

**DATA PACKAGE
SEMI-VOLATILE ORGANICS**

PROJECT NAME : USACE018-44 DOD

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

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

**ORDER ID : Q2815
ATTENTION : Al Smith**



Laboratory Certification ID # 20012



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Order ID : Q2815

Project ID : USACE018-44 DOD

Client : First Environment, Inc.

Lab Sample Number

Q2815-01
Q2815-02
Q2815-03
Q2815-04
Q2815-05
Q2815-06
Q2815-07
Q2815-08
Q2815-09
Q2815-10
Q2815-11
Q2815-12
Q2815-13
Q2815-14
Q2815-15
Q2815-16
Q2815-17
Q2815-18
Q2815-19
Q2815-20
Q2815-21
Q2815-22
Q2815-23
Q2815-24
Q2815-25
Q2815-26

Client Sample Number

TW-705R-S
TW-10PC-W
TW-10P-E
TW-10P-S
TW-10P-W
TW-10P-N
TW-88H-E
TW-88H-N
TW-88H-W
TW-88H-S
TW-22M-W
TW-22M-S
TW-22M-E
TW-22M-N
TW-17M-E
TW-17M-S
TW-84SB-S
TW-84SB-W
DUP
TW-11M-W
TW-11M-E
TW-11M-S
TW-11M-N
TB
TW-11M-W
FB

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:09 pm, Aug 22, 2025

Date: 8/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

First Environment, Inc.

Project Name: USACE018-44 DOD

Project # N/A

Order ID # Q2815

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

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

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for, TW-705R-S [2,4,6-Tribromophenol - 11%, 2-Fluorobiphenyl - 25%, 2-Fluorophenol - 7%, Nitrobenzene-d5 - 23%, Phenol-d6 - 9%, Terphenyl-d14 - 22%], Surrogates are failed due to Muddy matrix, As no extra volume was available for re-extraction and also the re-analysis, therefor no further corrective action was taken.

TW-22M-E [2,4,6-Tribromophenol - 14%, 2-Fluorobiphenyl - 27%, 2-Fluorophenol - 12%, Nitrobenzene-d5 - 26%, Phenol-d6 - 4%, Terphenyl-d14 - 30%], Surrogate are failed due to matrix interference. The Chromatogram also indicated presence of the non target hydro carbons, therefor no further corrective action was taken.

TW-22M-N [Terphenyl-d14 - 49%]. As per SOP one Base surrogate is allowed to fail, therefor no further corrective action was taken.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

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

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

The Continuous Calibration File ID BF143399.D met the requirements except for Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Di-n-octyl phthalate, Hexachlorocyclopentadiene, Pentachlorophenol, These compounds are failed high side and associated samples does not have hit for these compounds, therefor no further corrective action was taken. and Pyrene is failed marginally low, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025422.D met the requirements except for Benzaldehyde, This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BF143414.D met the requirements except for Butylbenzylphthalate, This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BF143539.D met the requirements except for Pentachlorophenol, This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025470.D met the requirements except for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene. These compounds are failed high side and associated samples does not have hit for these compounds, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025485.D met the requirements except for 2,4-Dinitrophenol. This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025487.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. These compounds are failed high side and associated samples does not have hit for these compounds, therefor no further corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

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

The not QT review data is reported in the Miscellaneous.

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

F. Manual Integration Comments:

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

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

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:11 pm, Aug 22, 2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

ORDER ID: Q2815

MATRIX: Water

METHOD: 8270E/3510

		N A	N O	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓

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

(CONTINUED)

NA NO YES

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

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

The Continuous Calibration File ID BF143399.D met the requirements except for Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Di-n-octyl phthalate, Hexachlorocyclopentadiene, Pentachlorophenol, These compounds are failed high side and associated samples does not have hit for these compounds, therefor no further corrective action was taken. and Pyrene is failed marginally low, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025422.D met the requirements except for Benzaldehyde, This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BF143414.D met the requirements except for Butylbenzylphthalate, This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BF143539.D met the requirements except for Pentachlorophenol, This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025470.D met the requirements except for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene. These compounds are failed high side and associated samples does not have hit for these compounds, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025485.D met the requirements except for 2,4-Dinitrophenol. This compound is failed high side and associated samples does not have hit for this compound, therefor no further corrective action was taken.

The Continuous Calibration File ID BP025487.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. These compounds are failed high side and associated samples does not have hit for these compounds, therefor no further corrective action was taken.

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

		NA	NO	YES
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries were met for all analysis except for, TW-705R-S [2,4,6-Tribromophenol - 11%, 2-Fluorobiphenyl - 25%, 2-Fluorophenol - 7%, Nitrobenzene-d5 - 23%, Phenol-d6 - 9%, Terphenyl-d14 - 22%], Surrogates are failed due to Muddy matrix, As no extra volume was available for re-extraction and also the re-analysis, therefor no further corrective action was taken.			
	TW-22M-E [2,4,6-Tribromophenol - 14%, 2-Fluorobiphenyl - 27%, 2-Fluorophenol - 12%, Nitrobenzene-d5 - 26%, Phenol-d6 - 4%, Terphenyl-d14 - 30%], Surrogate are failed due to matrix interference. The Chromatogram also indicated presence of the non target hydro carbons, therefor no further corrective action was taken.			
	TW-22M-N [Terphenyl-d14 - 49%]. As per SOP one Base surrogate is allowed to fail , therefor no further corrective action was taken.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike met requirements for all compounds.			
	The Blank Spike Duplicate met requirements for all compounds.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

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

NA NO YES

ADDITIONAL COMMENTS:

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

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

QA REVIEW

REVIEWED

Sohil Jodhani, QA/QC Director , 8/22/2025, 11:54:56 AM

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2815

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 08/22/2025

LAB CHRONICLE

OrderID:	Q2815	OrderDate:	8/11/2025 10:33:09 AM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2815-01	TW-705R-S	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/15/25	08/08/25
Q2815-02	TW-10PC-W	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/15/25	08/08/25
Q2815-03	TW-10P-E	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/15/25	08/08/25
Q2815-04	TW-10P-S	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/15/25	08/08/25
Q2815-05	TW-10P-W	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/15/25	08/08/25
Q2815-06	TW-10P-N	Water	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/15/25	08/08/25
Q2815-07	TW-88H-E	Water	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/15/25	08/08/25
Q2815-08	TW-88H-N	Water	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/21/25	08/08/25
Q2815-09	TW-88H-W	Water	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/15/25	08/08/25
Q2815-10	TW-88H-S	Water	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/21/25	08/08/25
Q2815-11	TW-22M-W	Water	SVOC-TCL BNA -20	8270E	08/08/25	08/12/25	08/21/25	08/08/25
Q2815-12	TW-22M-S	Water			08/08/25			08/08/25

LAB CHRONICLE

			SVOC-TCL BNA -20	8270E		08/12/25	08/21/25	
Q2815-13	TW-22M-E	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/19/25	
Q2815-14	TW-22M-N	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/19/25	
Q2815-15	TW-17M-E	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/12/25	08/21/25	
Q2815-16	TW-17M-S	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/20/25	
Q2815-17	TW-84SB-S	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/20/25	
Q2815-18	TW-84SB-W	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/19/25	
Q2815-19	DUP	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/19/25	
Q2815-20	TW-11M-W	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/19/25	
Q2815-21	TW-11M-E	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/19/25	
Q2815-22	TW-11M-S	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/19/25	
Q2815-23	TW-11M-N	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/19/25	
Q2815-26	FB	Water			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/19/25	

Hit Summary Sheet SW-846

SDG No.: Q2815
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	TW-705R-S								
Q2815-01	TW-705R-S	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	14.700	AB	0	0	ug/L
Q2815-01	TW-705R-S	WATER	Benzophenone	*	4.100	J	0	0	ug/L
Q2815-01	TW-705R-S	WATER	Butane, 2-methoxy-2-methyl-	*	38.800	J	0	0	ug/L
			Total Tics :				57.60		
			Total Concentration:				57.60		
Client ID :	TW-10PC-W								
Q2815-02	TW-10PC-W	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.500	AB	0	0	ug/L
Q2815-02	TW-10PC-W	WATER	Benzophenone	*	4.900	J	0	0	ug/L
Q2815-02	TW-10PC-W	WATER	Butane, 2-methoxy-2-methyl-	*	100.000	J	0	0	ug/L
			Total Tics :				112.40		
			Total Concentration:				112.40		
Client ID :	TW-10P-E								
Q2815-03	TW-10P-E	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	11.700	AB	0	0	ug/L
Q2815-03	TW-10P-E	WATER	Benzophenone	*	5.100	J	0	0	ug/L
Q2815-03	TW-10P-E	WATER	Butane, 2-methoxy-2-methyl-	*	91.500	J	0	0	ug/L
Q2815-03	TW-10P-E	WATER	n-Hexadecanoic acid	*	2.200	J	0	0	ug/L
			Total Tics :				110.50		
			Total Concentration:				110.50		
Client ID :	TW-10P-S								
Q2815-04	TW-10P-S	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	9.200	AB	0	0	ug/L
Q2815-04	TW-10P-S	WATER	Benzophenone	*	6.500	J	0	0	ug/L
Q2815-04	TW-10P-S	WATER	Butane, 2-methoxy-2-methyl-	*	92.600	J	0	0	ug/L
Q2815-04	TW-10P-S	WATER	n-Hexadecanoic acid	*	2.200	J	0	0	ug/L
			Total Tics :				110.50		
			Total Concentration:				110.50		
Client ID :	TW-10P-W								
Q2815-05	TW-10P-W	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	13.200	AB	0	0	ug/L
Q2815-05	TW-10P-W	WATER	Benzophenone	*	4.100	J	0	0	ug/L
Q2815-05	TW-10P-W	WATER	Butane, 2-methoxy-2-methyl-	*	89.400	J	0	0	ug/L
Q2815-05	TW-10P-W	WATER	Hexacosane	*	2.800	J	0	0	ug/L
			Total Tics :				109.50		
			Total Concentration:				109.50		
Client ID :	TW-10P-N								
Q2815-06	TW-10P-N	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	35.400	AB	0	0	ug/L
Q2815-06	TW-10P-N	WATER	Benzophenone	*	3.700	J	0	0	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q2815
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2815-06	TW-10P-N	WATER	Butane, 2-methoxy-2-methyl-	*	94.500	J	0	0	ug/L
Total Tics :					133.60				
Total Concentration:					133.60				
Client ID : TW-88H-E									
Q2815-07	TW-88H-E	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	11.100	AB	0	0	ug/L
Q2815-07	TW-88H-E	WATER	Benzophenone	*	6.800	J	0	0	ug/L
Q2815-07	TW-88H-E	WATER	Butane, 2-methoxy-2-methyl-	*	100.000	J	0	0	ug/L
Q2815-07	TW-88H-E	WATER	n-Hexadecanoic acid	*	2.900	J	0	0	ug/L
Q2815-07	TW-88H-E	WATER	Tetratetracontane	*	4.000	J	0	0	ug/L
Total Tics :					124.80				
Total Concentration:					124.80				
Client ID : TW-88H-N									
Q2815-08	TW-88H-N	WATER	Bis(2-ethylhexyl)phthalate		5.400	1.6	4	5	ug/L
Total Svoc :					5.40				
Q2815-08	TW-88H-N	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	9.500	AB	0	0	ug/L
Q2815-08	TW-88H-N	WATER	Benzophenone	*	7.600	J	0	0	ug/L
Q2815-08	TW-88H-N	WATER	Butane, 2-methoxy-2-methyl-	*	96.100	J	0	0	ug/L
Q2815-08	TW-88H-N	WATER	Hexadecanoic acid, 1,1-dimethyle	*	3.100	J	0	0	ug/L
Q2815-08	TW-88H-N	WATER	n-Hexadecanoic acid	*	5.900	J	0	0	ug/L
Total Tics :					122.20				
Total Concentration:					127.60				
Client ID : TW-88H-W									
Q2815-09	TW-88H-W	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	9.300	AB	0	0	ug/L
Q2815-09	TW-88H-W	WATER	Benzophenone	*	4.400	J	0	0	ug/L
Q2815-09	TW-88H-W	WATER	Butane, 2-methoxy-2-methyl-	*	110.000	J	0	0	ug/L
Q2815-09	TW-88H-W	WATER	n-Hexadecanoic acid	*	3.300	J	0	0	ug/L
Q2815-09	TW-88H-W	WATER	Tritetracontane	*	2.400	J	0	0	ug/L
Total Tics :					129.40				
Total Concentration:					129.40				
Client ID : TW-88H-S									
Q2815-10	TW-88H-S	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	6.200	AB	0	0	ug/L
Q2815-10	TW-88H-S	WATER	Benzophenone	*	6.300	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	Butane, 2-methoxy-2-methyl-	*	66.000	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	Eicosane	*	2.200	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	Hexadecanoic acid, 2-methylprop	*	4.100	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	Hexadecanoic acid, butyl ester	*	10.600	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	n-Hexadecanoic acid	*	10.300	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	Octacosane	*	2.400	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	Octadecane	*	2.100	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: Q2815
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2815-10	TW-88H-S	WATER	Octadecanoic acid	*	4.800	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	Octadecanoic acid, 2-methylpropy	*	2.100	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	Octadecanoic acid, butyl ester	*	7.800	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	Oxalic acid, isobutyl pentadecyl e	*	4.800	J	0	0	ug/L
Q2815-10	TW-88H-S	WATER	unknown20.595	*	6.800	J	0	0	ug/L
Total Tics :				136.50					
Total Concentration:				136.50					
Client ID : TW-22M-W									
Q2815-11	TW-22M-W	WATER	Naphthalene		3.700	J	0.5	4	5 ug/L
Total Svoc :				3.70					
Q2815-11	TW-22M-W	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	10.800	AB	0	0	ug/L
Q2815-11	TW-22M-W	WATER	Benzophenone	*	8.600	J	0	0	ug/L
Q2815-11	TW-22M-W	WATER	Bromoacetic acid, hexadecyl ester	*	2.900	J	0	0	ug/L
Q2815-11	TW-22M-W	WATER	Butane, 2-methoxy-2-methyl-	*	93.300	J	0	0	ug/L
Q2815-11	TW-22M-W	WATER	Hexadecanoic acid, butyl ester	*	3.800	J	0	0	ug/L
Total Tics :				119.40					
Total Concentration:				123.10					
Client ID : TW-22M-S									
Q2815-12	TW-22M-S	WATER	2,6-Naphthalenedione, octahydro-	*	4.900	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.000	AB	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Benzophenone	*	8.600	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Butane, 2-methoxy-2-methyl-	*	78.400	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Cyclohexane, 1,1,2-trimethyl-	*	4.700	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Cyclohexane, 2-butyl-1,1,3-trimet	*	4.300	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Decane, 2,6,7-trimethyl-	*	21.300	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Decane, 5-propyl-	*	39.600	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Dodecane, 2,6,10-trimethyl-	*	17.700	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Heptacosane	*	22.500	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Heptadecane, 4-methyl-	*	8.900	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Hexadecane, 1-iodo-	*	38.100	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Tridecane, 4-methyl-	*	66.700	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	Undecane, 2,6-dimethyl-	*	5.700	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	unknown10.222	*	9.100	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	unknown8.386	*	3.200	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	unknown9.086	*	4.300	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	unknown9.204	*	3.200	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	unknown9.369	*	22.200	J	0	0	ug/L
Q2815-12	TW-22M-S	WATER	unknown9.839	*	8.800	J	0	0	ug/L
Total Tics :				380.20					

Hit Summary Sheet SW-846

SDG No.: Q2815
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	380.20					
Client ID :	TW-22M-E								
Q2815-13	TW-22M-E	WATER	1-Heneicosanol	*	10.300	J	0	0	ug/L
Q2815-13	TW-22M-E	WATER	2-(N,N-Bis(2-chloroethyl)amino)1	*	5.100	J	0	0	ug/L
Q2815-13	TW-22M-E	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	310.000	AB	0	0	ug/L
Q2815-13	TW-22M-E	WATER	Benzophenone	*	17.500	J	0	0	ug/L
Q2815-13	TW-22M-E	WATER	Butane, 2-methoxy-2-methyl-	*	70.100	J	0	0	ug/L
Q2815-13	TW-22M-E	WATER	Maleic hydrazide	*	5.000	J	0	0	ug/L
Q2815-13	TW-22M-E	WATER	Methanone, (1-hydroxycyclohexy	*	2.200	J	0	0	ug/L
Q2815-13	TW-22M-E	WATER	unknown7.92	*	7.900	J	0	0	ug/L
			Total Tics :	428.10					
			Total Concentration:	428.10					
Client ID :	TW-22M-N								
Q2815-14	TW-22M-N	WATER	1-Docosene	*	8.100	J	0	0	ug/L
Q2815-14	TW-22M-N	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.400	AB	0	0	ug/L
Q2815-14	TW-22M-N	WATER	Benzophenone	*	8.000	J	0	0	ug/L
Q2815-14	TW-22M-N	WATER	Butane, 2-methoxy-2-methyl-	*	78.700	J	0	0	ug/L
Q2815-14	TW-22M-N	WATER	Hentriacontane, 3-methyl-	*	3.300	J	0	0	ug/L
Q2815-14	TW-22M-N	WATER	n-Hexadecanoic acid	*	9.600	J	0	0	ug/L
Q2815-14	TW-22M-N	WATER	Nonacosane	*	2.100	J	0	0	ug/L
Q2815-14	TW-22M-N	WATER	Octadecanoic acid	*	3.000	J	0	0	ug/L
Q2815-14	TW-22M-N	WATER	Triacontane	*	2.700	J	0	0	ug/L
			Total Tics :	123.90					
			Total Concentration:	123.90					
Client ID :	TW-17M-E								
Q2815-15	TW-17M-E	WATER	1-Acetoxynonadecane	*	2.000	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	11.200	AB	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Benzophenone	*	7.700	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Butane, 2-methoxy-2-methyl-	*	100.000	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Eicosane	*	2.400	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Ethanol, 2-(2-butoxyethoxy)-	*	8.800	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Heptadecane	*	2.500	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Hexacosane	*	2.300	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Hexadecanoic acid, 2-methylpropy	*	4.900	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Hexadecanoic acid, butyl ester	*	9.100	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Hexatriacontane	*	2.500	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	n-Hexadecanoic acid	*	5.600	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Octacosane	*	2.400	J	0	0	ug/L
Q2815-15	TW-17M-E	WATER	Octadecanoic acid, 2-methylpropy	*	3.000	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: Q2815
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2815-15	TW-17M-E	WATER	Octadecanoic acid, butyl ester	*	5.800	J	0	0	ug/L
Total Tics :					170.20				
Total Concentration:					170.20				
Client ID : TW-17M-S									
Q2815-16	TW-17M-S	WATER	1-Heneicosyl formate	*	7.000	J	0	0	ug/L
Q2815-16	TW-17M-S	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.900	AB	0	0	ug/L
Q2815-16	TW-17M-S	WATER	Benzophenone	*	11.100	J	0	0	ug/L
Q2815-16	TW-17M-S	WATER	Butane, 2-methoxy-2-methyl-	*	78.700	J	0	0	ug/L
Q2815-16	TW-17M-S	WATER	Ethanol, 1-(2-butoxyethoxy)-	*	2.000	J	0	0	ug/L
Q2815-16	TW-17M-S	WATER	n-Hexadecanoic acid	*	15.100	J	0	0	ug/L
Q2815-16	TW-17M-S	WATER	Octadecanoic acid	*	5.400	J	0	0	ug/L
Total Tics :					128.20				
Total Concentration:					128.20				
Client ID : TW-84SB-S									
Q2815-17	TW-84SB-S	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.300	AB	0	0	ug/L
Q2815-17	TW-84SB-S	WATER	Benzophenone	*	4.900	J	0	0	ug/L
Q2815-17	TW-84SB-S	WATER	Butane, 2-methoxy-2-methyl-	*	59.600	J	0	0	ug/L
Q2815-17	TW-84SB-S	WATER	Ethanol, 2-(tetradecyloxy)-	*	3.600	J	0	0	ug/L
Q2815-17	TW-84SB-S	WATER	n-Hexadecanoic acid	*	8.600	J	0	0	ug/L
Q2815-17	TW-84SB-S	WATER	Octadecanoic acid	*	2.600	J	0	0	ug/L
Total Tics :					86.60				
Total Concentration:					86.60				
Client ID : TW-84SB-W									
Q2815-18	TW-84SB-W	WATER	1-Nonadecene	*	3.200	J	0	0	ug/L
Q2815-18	TW-84SB-W	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.300	AB	0	0	ug/L
Q2815-18	TW-84SB-W	WATER	Benzophenone	*	5.800	J	0	0	ug/L
Q2815-18	TW-84SB-W	WATER	Butane, 2-methoxy-2-methyl-	*	120.000	J	0	0	ug/L
Q2815-18	TW-84SB-W	WATER	n-Hexadecanoic acid	*	8.700	J	0	0	ug/L
Total Tics :					145.00				
Total Concentration:					145.00				
Client ID : DUP									
Q2815-19	DUP	WATER	1-Tricosene	*	7.700	J	0	0	ug/L
Q2815-19	DUP	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.600	AB	0	0	ug/L
Q2815-19	DUP	WATER	Benzophenone	*	10.200	J	0	0	ug/L
Q2815-19	DUP	WATER	Butane, 2-methoxy-2-methyl-	*	92.600	J	0	0	ug/L
Q2815-19	DUP	WATER	n-Hexadecanoic acid	*	17.800	J	0	0	ug/L
Q2815-19	DUP	WATER	Octadecanoic acid	*	4.600	J	0	0	ug/L
Q2815-19	DUP	WATER	Propylene Glycol	*	13.400	J	0	0	ug/L
Q2815-19	DUP	WATER	Squalene	*	5.500	J	0	0	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q2815
Client: First Environment, Inc.

Sample ID	Client ID		Parameter		Concentration	C	MDL	LOD	RDL	Units
			Total Tics :		159.40					
			Total Concentration:		159.40					
Client ID :	TW-11M-W									
Q2815-20	TW-11M-W	WATER	1,3-Dioxolane, 2,2,4-trimethyl-	*	36.200	J	0		0	ug/L
Q2815-20	TW-11M-W	WATER	1-Tetracosene	*	4.200	J	0		0	ug/L
Q2815-20	TW-11M-W	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	6.400	AB	0		0	ug/L
Q2815-20	TW-11M-W	WATER	Benzophenone	*	6.200	J	0		0	ug/L
Q2815-20	TW-11M-W	WATER	Butane, 2-methoxy-2-methyl-	*	91.400	J	0		0	ug/L
Q2815-20	TW-11M-W	WATER	n-Hexadecanoic acid	*	7.100	J	0		0	ug/L
Q2815-20	TW-11M-W	WATER	Supraene	*	2.300	J	0		0	ug/L
			Total Tics :		153.80					
			Total Concentration:		153.80					
Client ID :	TW-11M-E									
Q2815-21	TW-11M-E	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	6.700	AB	0		0	ug/L
Q2815-21	TW-11M-E	WATER	6-Octadecenoic acid	*	2.700	J	0		0	ug/L
Q2815-21	TW-11M-E	WATER	Benzophenone	*	3.700	J	0		0	ug/L
Q2815-21	TW-11M-E	WATER	Butane, 2-methoxy-2-methyl-	*	90.400	J	0		0	ug/L
Q2815-21	TW-11M-E	WATER	Cyclotetracosane	*	3.500	J	0		0	ug/L
Q2815-21	TW-11M-E	WATER	n-Hexadecanoic acid	*	10.200	J	0		0	ug/L
Q2815-21	TW-11M-E	WATER	Squalene	*	5.700	J	0		0	ug/L
			Total Tics :		122.90					
			Total Concentration:		122.90					
Client ID :	TW-11M-S									
Q2815-22	TW-11M-S	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.600	AB	0		0	ug/L
Q2815-22	TW-11M-S	WATER	Benzophenone	*	9.900	J	0		0	ug/L
Q2815-22	TW-11M-S	WATER	Butane, 2-methoxy-2-methyl-	*	94.100	J	0		0	ug/L
Q2815-22	TW-11M-S	WATER	n-Hexadecanoic acid	*	12.500	J	0		0	ug/L
Q2815-22	TW-11M-S	WATER	Octadecanoic acid	*	2.900	J	0		0	ug/L
Q2815-22	TW-11M-S	WATER	Pentadecafluorooctanoic acid, pen	*	8.200	J	0		0	ug/L
Q2815-22	TW-11M-S	WATER	Propylene Glycol	*	4.400	J	0		0	ug/L
Q2815-22	TW-11M-S	WATER	Tetraglyme	*	3.400	J	0		0	ug/L
			Total Tics :		143.00					
			Total Concentration:		143.00					
Client ID :	TW-11M-N									
Q2815-23	TW-11M-N	WATER	1-Heneicosyl formate	*	4.100	J	0		0	ug/L
Q2815-23	TW-11M-N	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	6.300	AB	0		0	ug/L
Q2815-23	TW-11M-N	WATER	Benzophenone	*	6.300	J	0		0	ug/L
Q2815-23	TW-11M-N	WATER	Butane, 2-methoxy-2-methyl-	*	84.900	J	0		0	ug/L
Q2815-23	TW-11M-N	WATER	n-Hexadecanoic acid	*	5.600	J	0		0	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q2815
Client: First Environment, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2815-23	TW-11M-N	WATER	Propylene Glycol	*	6.700	J	0	0	ug/L
Total Tics :				113.90					
Total Concentration:				113.90					
Client ID : FB									
Q2815-26	FB	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	5.600	AB	0	0	ug/L
Q2815-26	FB	WATER	2-Propanol, 1-(2-butoxy-1-methyl	*	3.100	J	0	0	ug/L
Q2815-26	FB	WATER	Butane, 2-methoxy-2-methyl-	*	100.000	J	0	0	ug/L
Q2815-26	FB	WATER	Methane, diethoxy-	*	2.100	J	0	0	ug/L
Total Tics :				110.80					
Total Concentration:				110.80					



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2815

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169230BL	PB169230BL	2-Fluorophenol	150	124	83		19	119
		Phenol-d6	150	118	79		10	130
		Nitrobenzene-d5	100	77.2	77		44	120
		2-Fluorobiphenyl	100	77.3	77		44	119
		2,4,6-Tribromophenol	150	128	85		43	140
		Terphenyl-d14	100	74.2	74		50	134
PB169230BS	PB169230BS	2-Fluorophenol	150	113	75		19	119
		Phenol-d6	150	110	74		10	130
		Nitrobenzene-d5	100	69.6	70		44	120
		2-Fluorobiphenyl	100	68.6	69		44	119
		2,4,6-Tribromophenol	150	111	74		43	140
		Terphenyl-d14	100	65.8	66		50	134
PB169230BSD	PB169230BSD	2-Fluorophenol	150	124	83		19	119
		Phenol-d6	150	123	82		10	130
		Nitrobenzene-d5	100	77.4	77		44	120
		2-Fluorobiphenyl	100	76.8	77		44	119
		2,4,6-Tribromophenol	150	125	83		43	140
		Terphenyl-d14	100	77.3	77		50	134
Q2815-01	TW-705R-S	2-Fluorophenol	150	11.2	7	*	19	119
		Phenol-d6	150	14.1	9	*	10	130
		Nitrobenzene-d5	100	23.4	23	*	44	120
		2-Fluorobiphenyl	100	24.6	25	*	44	119
		2,4,6-Tribromophenol	150	16.7	11	*	43	140
		Terphenyl-d14	100	22.5	22	*	50	134
Q2815-02	TW-10PC-W	2-Fluorophenol	150	85.2	57		19	119
		Phenol-d6	150	63.6	42		10	130
		Nitrobenzene-d5	100	103	103		44	120
		2-Fluorobiphenyl	100	91.6	92		44	119
		2,4,6-Tribromophenol	150	161	107		43	140
		Terphenyl-d14	100	93.9	94		50	134
Q2815-03	TW-10P-E	2-Fluorophenol	150	95.0	63		19	119
		Phenol-d6	150	78.8	53		10	130
		Nitrobenzene-d5	100	93.2	93		44	120
		2-Fluorobiphenyl	100	82.9	83		44	119
		2,4,6-Tribromophenol	150	150	100		43	140
		Terphenyl-d14	100	72.0	72		50	134
Q2815-04	TW-10P-S	2-Fluorophenol	150	103	69		19	119
		Phenol-d6	150	83.3	56		10	130
		Nitrobenzene-d5	100	110	110		44	120
		2-Fluorobiphenyl	100	97.1	97		44	119
		2,4,6-Tribromophenol	150	182	122		43	140
		Terphenyl-d14	100	105	105		50	134
Q2815-05	TW-10P-W	2-Fluorophenol	150	117	78		19	119
		Phenol-d6	150	100	67		10	130
		Nitrobenzene-d5	100	113	113		44	120
		2-Fluorobiphenyl	100	97.6	98		44	119
		2,4,6-Tribromophenol	150	185	123		43	140
		Terphenyl-d14	100	96.3	96		50	134
Q2815-06	TW-10P-N	2-Fluorophenol	150	97.0	65		19	119
		Phenol-d6	150	75.4	50		10	130
		Nitrobenzene-d5	100	120	120		44	120

Surrogate Summary

SW-846

SDG No.: Q2815

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2815-06	TW-10P-N	2-Fluorobiphenyl	100	103	103		44	119
		2,4,6-Tribromophenol	150	131	88		43	140
		Terphenyl-d14	100	104	104		50	134
Q2815-07	TW-88H-E	2-Fluorophenol	150	83.8	56		19	119
		Phenol-d6	150	74.0	49		10	130
		Nitrobenzene-d5	100	73.8	74		44	120
Q2815-08	TW-88H-N	2-Fluorobiphenyl	100	68.8	69		44	119
		2,4,6-Tribromophenol	150	114	76		43	140
		Terphenyl-d14	100	63.6	64		50	134
Q2815-09	TW-88H-W	2-Fluorophenol	150	91.0	61		19	119
		Phenol-d6	150	77.9	52		10	130
		Nitrobenzene-d5	100	84.4	84		44	120
Q2815-10	TW-88H-S	2-Fluorobiphenyl	100	79.0	79		44	119
		2,4,6-Tribromophenol	150	123	82		43	140
		Terphenyl-d14	100	87.9	88		50	134
Q2815-11	TW-22M-W	2-Fluorophenol	150	97.6	65		19	119
		Phenol-d6	150	74.3	50		10	130
		Nitrobenzene-d5	100	108	108		44	120
Q2815-12	TW-22M-S	2-Fluorobiphenyl	100	99.3	99		44	119
		2,4,6-Tribromophenol	150	173	116		43	140
		Terphenyl-d14	100	88.8	89		50	134
Q2815-13	TW-22M-E	2-Fluorophenol	150	77.4	52		19	119
		Phenol-d6	150	57.2	38		10	130
		Nitrobenzene-d5	100	77.7	78		44	120
Q2815-14	TW-22M-N	2-Fluorobiphenyl	100	67.8	68		44	119
		2,4,6-Tribromophenol	150	120	80		43	140
		Terphenyl-d14	100	78.0	78		50	134
Q2815-15	TW-22M-N	2-Fluorophenol	150	67.0	45		19	119
		Phenol-d6	150	59.8	40		10	130
		Nitrobenzene-d5	100	72.8	73		44	120
Q2815-16	TW-22M-N	2-Fluorobiphenyl	100	68.4	68		44	119
		2,4,6-Tribromophenol	150	67.4	45		43	140
		Terphenyl-d14	100	69.4	69		50	134
Q2815-17	TW-22M-N	2-Fluorophenol	150	67.2	45		19	119
		Phenol-d6	150	60.1	40		10	130
		Nitrobenzene-d5	100	62.8	63		44	120
Q2815-18	TW-22M-N	2-Fluorobiphenyl	100	64.8	65		44	119
		2,4,6-Tribromophenol	150	88.4	59		43	140
		Terphenyl-d14	100	53.3	53		50	134
Q2815-19	TW-22M-N	2-Fluorophenol	150	17.9	12	*	19	119
		Phenol-d6	150	6.42	4	*	10	130
		Nitrobenzene-d5	100	26.3	26	*	44	120
Q2815-20	TW-22M-N	2-Fluorobiphenyl	100	27.1	27	*	44	119
		2,4,6-Tribromophenol	150	21.1	14	*	43	140
		Terphenyl-d14	100	30.2	30	*	50	134
Q2815-21	TW-22M-N	2-Fluorophenol	150	71.3	48		19	119
		Phenol-d6	150	60.6	40		10	130
		Nitrobenzene-d5	100	52.8	53		44	120
Q2815-22	TW-22M-N	2-Fluorobiphenyl	100	50.9	51		44	119
		2,4,6-Tribromophenol	150	90.4	60		43	140
		Terphenyl-d14	100	48.6	49	*	50	134

Surrogate Summary

SW-846

SDG No.: Q2815

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2815-15	TW-17M-E	2-Fluorophenol	150	76.5	51		19	119
		Phenol-d6	150	65.8	44		10	130
		Nitrobenzene-d5	100	71.4	71		44	120
		2-Fluorobiphenyl	100	69.4	69		44	119
		2,4,6-Tribromophenol	150	93.7	62		43	140
		Terphenyl-d14	100	58.5	59		50	134

Surrogate Summary

SW-846

SDG No.: Q2815

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169244BL	PB169244BL	2-Fluorophenol	150	129	86		19	119
		Phenol-d6	150	124	83		10	130
		Nitrobenzene-d5	100	77.8	78		44	120
		2-Fluorobiphenyl	100	75.3	75		44	119
		2,4,6-Tribromophenol	150	131	88		43	140
		Terphenyl-d14	100	76.5	76		50	134
PB169244BS	PB169244BS	2-Fluorophenol	150	138	92		19	119
		Phenol-d6	150	136	90		10	130
		Nitrobenzene-d5	100	82.4	82		44	120
		2-Fluorobiphenyl	100	81.1	81		44	119
		2,4,6-Tribromophenol	150	138	92		43	140
		Terphenyl-d14	100	81.9	82		50	134
PB169244BSD	PB169244BSD	2-Fluorophenol	150	141	94		19	119
		Phenol-d6	150	141	94		10	130
		Nitrobenzene-d5	100	84.6	85		44	120
		2-Fluorobiphenyl	100	79.2	79		44	119
		2,4,6-Tribromophenol	150	144	96		43	140
		Terphenyl-d14	100	84.2	84		50	134
Q2815-16	TW-17M-S	2-Fluorophenol	150	87.1	58		19	119
		Phenol-d6	150	71.4	48		10	130
		Nitrobenzene-d5	100	73.1	73		44	120
		2-Fluorobiphenyl	100	65.9	66		44	119
		2,4,6-Tribromophenol	150	124	83		43	140
		Terphenyl-d14	100	68.3	68		50	134
Q2815-17	TW-84SB-S	2-Fluorophenol	150	112	74		19	119
		Phenol-d6	150	92.9	62		10	130
		Nitrobenzene-d5	100	102	102		44	120
		2-Fluorobiphenyl	100	95.7	96		44	119
		2,4,6-Tribromophenol	150	190	127		43	140
		Terphenyl-d14	100	98.1	98		50	134
Q2815-18	TW-84SB-W	2-Fluorophenol	150	101	68		19	119
		Phenol-d6	150	75.3	50		10	130
		Nitrobenzene-d5	100	101	101		44	120
		2-Fluorobiphenyl	100	90.7	91		44	119
		2,4,6-Tribromophenol	150	176	117		43	140
		Terphenyl-d14	100	87.7	88		50	134
Q2815-19	DUP	2-Fluorophenol	150	90.4	60		19	119
		Phenol-d6	150	68.4	46		10	130
		Nitrobenzene-d5	100	83.5	84		44	120
		2-Fluorobiphenyl	100	77.4	77		44	119
		2,4,6-Tribromophenol	150	142	95		43	140
		Terphenyl-d14	100	78.8	79		50	134
Q2815-20	TW-11M-W	2-Fluorophenol	150	94.6	63		19	119
		Phenol-d6	150	68.0	45		10	130
		Nitrobenzene-d5	100	99.1	99		44	120
		2-Fluorobiphenyl	100	88.6	89		44	119
		2,4,6-Tribromophenol	150	171	114		43	140
		Terphenyl-d14	100	92.0	92		50	134
Q2815-21	TW-11M-E	2-Fluorophenol	150	91.5	61		19	119
		Phenol-d6	150	66.4	44		10	130
		Nitrobenzene-d5	100	94.5	95		44	120

Surrogate Summary

SW-846

SDG No.: Q2815

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2815-21	TW-11M-E	2-Fluorobiphenyl	100	86.5	87		44	119
		2,4,6-Tribromophenol	150	159	106		43	140
		Terphenyl-d14	100	89.3	89		50	134
Q2815-22	TW-11M-S	2-Fluorophenol	150	95.9	64		19	119
		Phenol-d6	150	74.0	49		10	130
		Nitrobenzene-d5	100	93.6	94		44	120
Q2815-23	TW-11M-N	2-Fluorobiphenyl	100	88.9	89		44	119
		2,4,6-Tribromophenol	150	158	106		43	140
		Terphenyl-d14	100	87.0	87		50	134
Q2815-23	TW-11M-N	2-Fluorophenol	150	85.8	57		19	119
		Phenol-d6	150	60.9	41		10	130
		Nitrobenzene-d5	100	95.8	96		44	120
Q2815-26	FB	2-Fluorobiphenyl	100	87.6	88		44	119
		2,4,6-Tribromophenol	150	159	106		43	140
		Terphenyl-d14	100	90.8	91		50	134
Q2815-26	FB	2-Fluorophenol	150	69.1	46		19	119
		Phenol-d6	150	42.2	28		10	130
		Nitrobenzene-d5	100	87.9	88		44	120
Q2815-26	FB	2-Fluorobiphenyl	100	80.0	80		44	119
		2,4,6-Tribromophenol	150	140	93		43	140
		Terphenyl-d14	100	80.6	81		50	134

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2815	Analytical Method: 8270E
Client: First Environment, Inc.	DataFile: BP025424.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169230BS	Benzaldehyde	50	23.9	ug/L	48				10	161	
	Phenol	50	40.4	ug/L	81				10	132	
	bis(2-Chloroethyl)ether	50	37.1	ug/L	74				43	118	
	2-Chlorophenol	50	39.9	ug/L	80				38	117	
	2-Methylphenol	50	39.7	ug/L	79				30	117	
	2,2-oxybis(1-Chloropropane)	50	37.4	ug/L	75				37	130	
	Acetophenone	50	38.4	ug/L	77				46	118	
	3+4-Methylphenols	50	38.8	ug/L	78				29	110	
	N-Nitroso-di-n-propylamine	50	35.3	ug/L	71				49	119	
	Hexachloroethane	50	38.7	ug/L	77				21	115	
	Nitrobenzene	50	39.7	ug/L	79				45	121	
	Isophorone	50	37.0	ug/L	74				42	124	
	2-Nitrophenol	50	39.2	ug/L	78				47	123	
	2,4-Dimethylphenol	50	40.8	ug/L	82				31	124	
	bis(2-Chloroethoxy)methane	50	37.6	ug/L	75				48	120	
	2,4-Dichlorophenol	50	41.5	ug/L	83				47	121	
	Naphthalene	50	38.6	ug/L	77				40	121	
	4-Chloroaniline	50	25.0	ug/L	50				33	117	
	Hexachlorobutadiene	50	38.4	ug/L	77				22	124	
	Caprolactam	50	38.5	ug/L	77				10	161	
	4-Chloro-3-methylphenol	50	40.8	ug/L	82				52	119	
	2-Methylnaphthalene	50	38.1	ug/L	76				40	121	
	Hexachlorocyclopentadiene	100	86.0	ug/L	86				10	155	
	2,4,6-Trichlorophenol	50	41.6	ug/L	83				50	125	
	2,4,5-Trichlorophenol	50	42.1	ug/L	84				53	123	
	1,1-Biphenyl	50	40.1	ug/L	80				49	115	
	2-Chloronaphthalene	50	39.6	ug/L	79				40	116	
	2-Nitroaniline	50	42.4	ug/L	85				55	127	
	Dimethylphthalate	50	39.4	ug/L	79				45	127	
	Acenaphthylene	50	39.5	ug/L	79				41	130	
	2,6-Dinitrotoluene	50	41.3	ug/L	83				57	124	
	3-Nitroaniline	50	30.4	ug/L	61				41	128	
	Acenaphthene	50	39.1	ug/L	78				47	122	
	2,4-Dinitrophenol	100	91.4	ug/L	91				23	143	
	4-Nitrophenol	100	84.2	ug/L	84				10	161	
	Dibenzofuran	50	39.0	ug/L	78				53	118	
	2,4-Dinitrotoluene	50	41.7	ug/L	83				57	128	
	Diethylphthalate	50	39.2	ug/L	78				56	125	
	4-Chlorophenyl-phenylether	50	38.0	ug/L	76				53	121	
	Fluorene	50	38.7	ug/L	77				52	124	
	4-Nitroaniline	50	38.9	ug/L	78				35	120	
	4,6-Dinitro-2-methylphenol	50	42.5	ug/L	85				44	137	
	N-Nitrosodiphenylamine	50	41.1	ug/L	82				51	123	
	4-Bromophenyl-phenylether	50	40.0	ug/L	80				55	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2815</u>	Analytical Method: <u>8270E</u>
Client: <u>First Environment, Inc.</u>	DataFile: <u>BP025424.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169230BS	Hexachlorobenzene	50	40.6	ug/L	81				53	125		
	Atrazine	50	40.0	ug/L	80				44	142		
	Pentachlorophenol	100	87.0	ug/L	87				35	138		
	Phenanthrene	50	41.1	ug/L	82				59	120		
	Anthracene	50	41.0	ug/L	82				57	123		
	Carbazole	50	40.6	ug/L	81				60	122		
	Di-n-butylphthalate	50	40.7	ug/L	81				59	127		
	Fluoranthene	50	40.6	ug/L	81				57	128		
	Pyrene	50	38.2	ug/L	76				57	126		
	Butylbenzylphthalate	50	39.3	ug/L	79				53	134		
	3,3-Dichlorobenzidine	50	30.3	ug/L	61				27	129		
	Benzo(a)anthracene	50	41.0	ug/L	82				58	125		
	Chrysene	50	41.0	ug/L	82				59	123		
	bis(2-Ethylhexyl)phthalate	50	40.4	ug/L	81				55	135		
	Di-n-octyl phthalate	50	41.6	ug/L	83				51	140		
	Benzo(b)fluoranthene	50	41.4	ug/L	83				53	131		
	Benzo(k)fluoranthene	50	40.4	ug/L	81				57	129		
	Benzo(a)pyrene	50	41.2	ug/L	82				54	128		
	Indeno(1,2,3-cd)pyrene	50	42.2	ug/L	84				52	134		
	Dibenz(a,h)anthracene	50	41.9	ug/L	84				51	134		
	Benzo(g,h,i)perylene	50	41.8	ug/L	84				50	134		
	1,2,4,5-Tetrachlorobenzene	50	39.5	ug/L	79				35	121		
	1,4-Dioxane	50	44.4	ug/L	89				70	130		
	2,3,4,6-Tetrachlorophenol	50	40.9	ug/L	82				50	128		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2815</u>	Analytical Method: <u>8270E</u>
Client: <u>First Environment, Inc.</u>	DataFile: <u>BP025425.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169230BSD	Benzaldehyde	50	26.6	ug/L	53	11			10	161	20	
	Phenol	50	44.9	ug/L	90	11			10	132	20	
	bis(2-Chloroethyl)ether	50	42.2	ug/L	84	13			43	118	20	
	2-Chlorophenol	50	44.7	ug/L	89	11			38	117	20	
	2-Methylphenol	50	44.2	ug/L	88	11			30	117	20	
	2,2-oxybis(1-Chloropropane)	50	42.6	ug/L	85	13			37	130	20	
	Acetophenone	50	42.9	ug/L	86	11			46	118	20	
	3+4-Methylphenols	50	43.5	ug/L	87	11			29	110	20	
	N-Nitroso-di-n-propylamine	50	39.9	ug/L	80	12			49	119	20	
	Hexachloroethane	50	42.8	ug/L	86	10			21	115	20	
	Nitrobenzene	50	45.0	ug/L	90	13			45	121	20	
	Isophorone	50	41.7	ug/L	83	12			42	124	20	
	2-Nitrophenol	50	44.5	ug/L	89	13			47	123	20	
	2,4-Dimethylphenol	50	45.3	ug/L	91	10			31	124	20	
	bis(2-Chloroethoxy)methane	50	42.8	ug/L	86	13			48	120	20	
	2,4-Dichlorophenol	50	45.8	ug/L	92	10			47	121	20	
	Naphthalene	50	43.1	ug/L	86	11			40	121	20	
	4-Chloroaniline	50	27.2	ug/L	54	8			33	117	20	
	Hexachlorobutadiene	50	42.6	ug/L	85	10			22	124	20	
	Caprolactam	50	43.9	ug/L	88	13			10	161	20	
	4-Chloro-3-methylphenol	50	44.6	ug/L	89	9			52	119	20	
	2-Methylnaphthalene	50	42.8	ug/L	86	12			40	121	20	
	Hexachlorocyclopentadiene	100	96.4	ug/L	96	11			10	155	20	
	2,4,6-Trichlorophenol	50	45.9	ug/L	92	10			50	125	20	
	2,4,5-Trichlorophenol	50	47.0	ug/L	94	11			53	123	20	
	1,1-Biphenyl	50	43.5	ug/L	87	8			49	115	20	
	2-Chloronaphthalene	50	43.5	ug/L	87	9			40	116	20	
	2-Nitroaniline	50	47.5	ug/L	95	11			55	127	20	
	Dimethylphthalate	50	43.9	ug/L	88	11			45	127	20	
	Acenaphthylene	50	43.7	ug/L	87	10			41	130	20	
	2,6-Dinitrotoluene	50	46.5	ug/L	93	12			57	124	20	
	3-Nitroaniline	50	33.4	ug/L	67	9			41	128	20	
	Acenaphthene	50	44.3	ug/L	89	12			47	122	20	
	2,4-Dinitrophenol	100	110	ug/L	110	18			23	143	20	
	4-Nitrophenol	100	95.3	ug/L	95	12			10	161	20	
	Dibenzofuran	50	42.9	ug/L	86	10			53	118	20	
	2,4-Dinitrotoluene	50	47.7	ug/L	95	13			57	128	20	
	Diethylphthalate	50	44.2	ug/L	88	12			56	125	20	
	4-Chlorophenyl-phenylether	50	42.7	ug/L	85	12			53	121	20	
	Fluorene	50	43.0	ug/L	86	11			52	124	20	
	4-Nitroaniline	50	43.3	ug/L	87	11			35	120	20	
	4,6-Dinitro-2-methylphenol	50	49.6	ug/L	99	15			44	137	20	
	N-Nitrosodiphenylamine	50	44.8	ug/L	90	9			51	123	20	
	4-Bromophenyl-phenylether	50	44.7	ug/L	89	11			55	124	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2815</u>	Analytical Method: <u>8270E</u>
Client: <u>First Environment, Inc.</u>	DataFile: <u>BP025425.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169230BSD	Hexachlorobenzene	50	44.5	ug/L	89	9			53	125		20
	Atrazine	50	46.2	ug/L	92	14			44	142		20
	Pentachlorophenol	100	98.0	ug/L	98	12			35	138		20
	Phenanthrene	50	44.8	ug/L	90	9			59	120		20
	Anthracene	50	45.2	ug/L	90	10			57	123		20
	Carbazole	50	45.9	ug/L	92	12			60	122		20
	Di-n-butylphthalate	50	45.9	ug/L	92	12			59	127		20
	Fluoranthene	50	44.5	ug/L	89	9			57	128		20
	Pyrene	50	44.7	ug/L	89	16			57	126		20
	Butylbenzylphthalate	50	46.5	ug/L	93	17			53	134		20
	3,3-Dichlorobenzidine	50	34.1	ug/L	68	12			27	129		20
	Benzo(a)anthracene	50	46.3	ug/L	93	12			58	125		20
	Chrysene	50	46.0	ug/L	92	11			59	123		20
	bis(2-Ethylhexyl)phthalate	50	46.2	ug/L	92	13			55	135		20
	Di-n-octyl phthalate	50	48.8	ug/L	98	16			51	140		20
	Benzo(b)fluoranthene	50	47.6	ug/L	95	14			53	131		20
	Benzo(k)fluoranthene	50	46.9	ug/L	94	15			57	129		20
	Benzo(a)pyrene	50	47.1	ug/L	94	13			54	128		20
	Indeno(1,2,3-cd)pyrene	50	46.9	ug/L	94	11			52	134		20
	Dibenz(a,h)anthracene	50	47.0	ug/L	94	11			51	134		20
	Benzo(g,h,i)perylene	50	46.7	ug/L	93	11			50	134		20
	1,2,4,5-Tetrachlorobenzene	50	43.3	ug/L	87	9			35	121		20
	1,4-Dioxane	50	37.1	ug/L	74	18			70	130		20
	2,3,4,6-Tetrachlorophenol	50	46.0	ug/L	92	12			50	128		20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2815

Analytical Method:

8270E

Client: First Environment, Inc.

DataFile:

BP025472.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169244BS	Benzaldehyde	50	27.4	ug/L	55				10	161		
	Phenol	50	48.2	ug/L	96				10	132		
	bis(2-Chloroethyl)ether	50	44.7	ug/L	89				43	118		
	2-Chlorophenol	50	47.9	ug/L	96				38	117		
	2-Methylphenol	50	46.9	ug/L	94				30	117		
	2,2-oxybis(1-Chloropropane)	50	45.2	ug/L	90				37	130		
	Acetophenone	50	45.4	ug/L	91				46	118		
	3+4-Methylphenols	50	46.6	ug/L	93				29	110		
	N-Nitroso-di-n-propylamine	50	42.1	ug/L	84				49	119		
	Hexachloroethane	50	45.2	ug/L	90				21	115		
	Nitrobenzene	50	46.6	ug/L	93				45	121		
	Isophorone	50	44.0	ug/L	88				42	124		
	2-Nitrophenol	50	46.8	ug/L	94				47	123		
	2,4-Dimethylphenol	50	47.7	ug/L	95				31	124		
	bis(2-Chloroethoxy)methane	50	45.0	ug/L	90				48	120		
	2,4-Dichlorophenol	50	49.2	ug/L	98				47	121		
	Naphthalene	50	45.8	ug/L	92				40	121		
	4-Chloroaniline	50	26.3	ug/L	53				33	117		
	Hexachlorobutadiene	50	44.9	ug/L	90				22	124		
	Caprolactam	50	47.5	ug/L	95				10	161		
	4-Chloro-3-methylphenol	50	48.5	ug/L	97				52	119		
	2-Methylnaphthalene	50	45.5	ug/L	91				40	121		
	Hexachlorocyclopentadiene	100	92.4	ug/L	92				10	155		
	2,4,6-Trichlorophenol	50	50.4	ug/L	101				50	125		
	2,4,5-Trichlorophenol	50	50.9	ug/L	102				53	123		
	1,1-Biphenyl	50	46.7	ug/L	93				49	115		
	2-Chloronaphthalene	50	46.6	ug/L	93				40	116		
	2-Nitroaniline	50	51.6	ug/L	103				55	127		
	Dimethylphthalate	50	48.5	ug/L	97				45	127		
	Acenaphthylene	50	48.2	ug/L	96				41	130		
	2,6-Dinitrotoluene	50	49.9	ug/L	100				57	124		
	3-Nitroaniline	50	35.3	ug/L	71				41	128		
	Acenaphthene	50	47.1	ug/L	94				47	122		
	2,4-Dinitrophenol	100	120	ug/L	120				23	143		
	4-Nitrophenol	100	100	ug/L	100				10	161		
	Dibenzofuran	50	47.2	ug/L	94				53	118		
	2,4-Dinitrotoluene	50	51.7	ug/L	103				57	128		
	Diethylphthalate	50	49.0	ug/L	98				56	125		
	4-Chlorophenyl-phenylether	50	46.7	ug/L	93				53	121		
	Fluorene	50	46.4	ug/L	93				52	124		
	4-Nitroaniline	50	47.8	ug/L	96				35	120		
	4,6-Dinitro-2-methylphenol	50	50.8	ug/L	102				44	137		
	N-Nitrosodiphenylamine	50	47.4	ug/L	95				51	123		
	4-Bromophenyl-phenylether	50	47.6	ug/L	95				55	124		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2815</u>	Analytical Method: <u>8270E</u>
Client: <u>First Environment, Inc.</u>	DataFile: <u>BP025472.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169244BS	Hexachlorobenzene	50	46.6	ug/L	93				53	125		
	Atrazine	50	47.8	ug/L	96				44	142		
	Pentachlorophenol	100	99.0	ug/L	99				35	138		
	Phenanthrene	50	47.6	ug/L	95				59	120		
	Anthracene	50	47.2	ug/L	94				57	123		
	Carbazole	50	47.3	ug/L	95				60	122		
	Di-n-butylphthalate	50	48.4	ug/L	97				59	127		
	Fluoranthene	50	47.4	ug/L	95				57	128		
	Pyrene	50	46.7	ug/L	93				57	126		
	Butylbenzylphthalate	50	48.4	ug/L	97				53	134		
	3,3-Dichlorobenzidine	50	32.2	ug/L	64				27	129		
	Benzo(a)anthracene	50	47.2	ug/L	94				58	125		
	Chrysene	50	47.0	ug/L	94				59	123		
	bis(2-Ethylhexyl)phthalate	50	49.0	ug/L	98				55	135		
	Di-n-octyl phthalate	50	50.6	ug/L	101				51	140		
	Benzo(b)fluoranthene	50	48.4	ug/L	97				53	131		
	Benzo(k)fluoranthene	50	47.7	ug/L	95				57	129		
	Benzo(a)pyrene	50	47.3	ug/L	95				54	128		
	Indeno(1,2,3-cd)pyrene	50	45.7	ug/L	91				52	134		
	Dibenz(a,h)anthracene	50	46.0	ug/L	92				51	134		
	Benzo(g,h,i)perylene	50	45.6	ug/L	91				50	134		
1,2,4,5-Tetrachlorobenzene	50	46.1	ug/L	92				35	121			
1,4-Dioxane	50	37.4	ug/L	75				70	130			
2,3,4,6-Tetrachlorophenol	50	50.6	ug/L	101				50	128			

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2815</u>	Analytical Method: <u>8270E</u>
Client: <u>First Environment, Inc.</u>	DataFile: <u>BP025473.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169244BSD	Benzaldehyde	50	28.3	ug/L	57	3			10	161	20	
	Phenol	50	50.3	ug/L	101	4			10	132	20	
	bis(2-Chloroethyl)ether	50	46.9	ug/L	94	5			43	118	20	
	2-Chlorophenol	50	49.9	ug/L	100	4			38	117	20	
	2-Methylphenol	50	49.7	ug/L	99	6			30	117	20	
	2,2-oxybis(1-Chloropropane)	50	47.3	ug/L	95	5			37	130	20	
	Acetophenone	50	46.4	ug/L	93	2			46	118	20	
	3+4-Methylphenols	50	49.1	ug/L	98	5			29	110	20	
	N-Nitroso-di-n-propylamine	50	44.7	ug/L	89	6			49	119	20	
	Hexachloroethane	50	46.8	ug/L	94	3			21	115	20	
	Nitrobenzene	50	47.5	ug/L	95	2			45	121	20	
	Isophorone	50	46.0	ug/L	92	4			42	124	20	
	2-Nitrophenol	50	49.3	ug/L	99	5			47	123	20	
	2,4-Dimethylphenol	50	50.8	ug/L	102	6			31	124	20	
	bis(2-Chloroethoxy)methane	50	46.9	ug/L	94	4			48	120	20	
	2,4-Dichlorophenol	50	51.8	ug/L	104	5			47	121	20	
	Naphthalene	50	46.7	ug/L	93	2			40	121	20	
	4-Chloroaniline	50	27.2	ug/L	54	3			33	117	20	
	Hexachlorobutadiene	50	46.0	ug/L	92	2			22	124	20	
	Caprolactam	50	52.5	ug/L	105	10			10	161	20	
	4-Chloro-3-methylphenol	50	51.6	ug/L	103	6			52	119	20	
	2-Methylnaphthalene	50	46.5	ug/L	93	2			40	121	20	
	Hexachlorocyclopentadiene	100	90.5	ug/L	91	2			10	155	20	
	2,4,6-Trichlorophenol	50	50.3	ug/L	101	0			50	125	20	
	2,4,5-Trichlorophenol	50	51.4	ug/L	103	1			53	123	20	
	1,1-Biphenyl	50	46.2	ug/L	92	1			49	115	20	
	2-Chloronaphthalene	50	45.6	ug/L	91	2			40	116	20	
	2-Nitroaniline	50	51.5	ug/L	103	0			55	127	20	
	Dimethylphthalate	50	48.6	ug/L	97	0			45	127	20	
	Acenaphthylene	50	47.6	ug/L	95	1			41	130	20	
	2,6-Dinitrotoluene	50	52.4	ug/L	105	5			57	124	20	
	3-Nitroaniline	50	35.4	ug/L	71	0			41	128	20	
	Acenaphthene	50	45.5	ug/L	91	3			47	122	20	
	2,4-Dinitrophenol	100	120	ug/L	120	0			23	143	20	
	4-Nitrophenol	100	110	ug/L	110	10			10	161	20	
	Dibenzofuran	50	47.3	ug/L	95	0			53	118	20	
	2,4-Dinitrotoluene	50	54.2	ug/L	108	5			57	128	20	
	Diethylphthalate	50	50.7	ug/L	101	3			56	125	20	
	4-Chlorophenyl-phenylether	50	47.4	ug/L	95	1			53	121	20	
	Fluorene	50	47.5	ug/L	95	2			52	124	20	
	4-Nitroaniline	50	50.8	ug/L	102	6			35	120	20	
	4,6-Dinitro-2-methylphenol	50	52.3	ug/L	105	3			44	137	20	
	N-Nitrosodiphenylamine	50	46.6	ug/L	93	2			51	123	20	
	4-Bromophenyl-phenylether	50	46.3	ug/L	93	3			55	124	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2815</u>	Analytical Method: <u>8270E</u>
Client: <u>First Environment, Inc.</u>	DataFile: <u>BP025473.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB169244BSD	Hexachlorobenzene	50	46.3	ug/L	93	1			53	125		20
	Atrazine	50	49.5	ug/L	99	3			44	142		20
	Pentachlorophenol	100	100	ug/L	100	1			35	138		20
	Phenanthrene	50	46.9	ug/L	94	1			59	120		20
	Anthracene	50	47.5	ug/L	95	1			57	123		20
	Carbazole	50	48.0	ug/L	96	1			60	122		20
	Di-n-butylphthalate	50	49.8	ug/L	100	3			59	127		20
	Fluoranthene	50	48.0	ug/L	96	1			57	128		20
	Pyrene	50	47.7	ug/L	95	2			57	126		20
	Butylbenzylphthalate	50	51.3	ug/L	103	6			53	134		20
	3,3-Dichlorobenzidine	50	30.7	ug/L	61	5			27	129		20
	Benzo(a)anthracene	50	48.7	ug/L	97	3			58	125		20
	Chrysene	50	47.3	ug/L	95	1			59	123		20
	bis(2-Ethylhexyl)phthalate	50	50.1	ug/L	100	2			55	135		20
	Di-n-octyl phthalate	50	51.1	ug/L	102	1			51	140		20
	Benzo(b)fluoranthene	50	48.3	ug/L	97	0			53	131		20
	Benzo(k)fluoranthene	50	48.8	ug/L	98	2			57	129		20
	Benzo(a)pyrene	50	48.1	ug/L	96	2			54	128		20
	Indeno(1,2,3-cd)pyrene	50	46.3	ug/L	93	1			52	134		20
	Dibenz(a,h)anthracene	50	46.8	ug/L	94	2			51	134		20
	Benzo(g,h,i)perylene	50	46.6	ug/L	93	2			50	134		20
	1,2,4,5-Tetrachlorobenzene	50	44.4	ug/L	89	4			35	121		20
	1,4-Dioxane	50	38.9	ug/L	78	4			70	130		20
	2,3,4,6-Tetrachlorophenol	50	51.2	ug/L	102	1			50	128		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169230BL

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2815

Lab File ID: BP025423.D Lab Sample ID: PB169230BL

Instrument ID: BNA_P Date Extracted: 08/12/2025

Matrix: (soil/water) Water Date Analyzed: 08/15/2025

Level: (low/med) LOW Time Analyzed: 11:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169230BS	PB169230BS	BP025424.D	08/15/2025
PB169230BSD	PB169230BSD	BP025425.D	08/15/2025
TW-705R-S	Q2815-01	BF143403.D	08/15/2025
TW-10PC-W	Q2815-02	BF143404.D	08/15/2025
TW-10P-E	Q2815-03	BF143405.D	08/15/2025
TW-10P-S	Q2815-04	BF143406.D	08/15/2025
TW-10P-W	Q2815-05	BF143407.D	08/15/2025
TW-10P-N	Q2815-06	BF143408.D	08/15/2025
TW-88H-E	Q2815-07	BF143409.D	08/15/2025
TW-88H-W	Q2815-09	BF143411.D	08/15/2025
TW-22M-S	Q2815-12	BF143502.D	08/21/2025
TW-22M-W	Q2815-11	BF143514.D	08/21/2025
TW-88H-N	Q2815-08	BF143515.D	08/21/2025
TW-17M-E	Q2815-15	BF143535.D	08/21/2025
TW-22M-E	Q2815-13	BP025483.D	08/19/2025
TW-22M-N	Q2815-14	BP025484.D	08/19/2025
TW-88H-S	Q2815-10	BP025525.D	08/21/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169244BL

Lab Name: Alliance Contract: FIRS02
Lab Code: ACE SDG NO.: Q2815
Lab File ID: BP025471.D Lab Sample ID: PB169244BL
Instrument ID: BNA_P Date Extracted: 08/14/2025
Matrix: (soil/water) Water Date Analyzed: 08/19/2025
Level: (low/med) LOW Time Analyzed: 11:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169244BS	PB169244BS	BP025472.D	08/19/2025
PB169244BSD	PB169244BSD	BP025473.D	08/19/2025
TW-84SB-W	Q2815-18	BP025474.D	08/19/2025
DUP	Q2815-19	BP025475.D	08/19/2025
TW-11M-W	Q2815-20	BP025476.D	08/19/2025
TW-11M-E	Q2815-21	BP025477.D	08/19/2025
TW-11M-S	Q2815-22	BP025478.D	08/19/2025
TW-11M-N	Q2815-23	BP025479.D	08/19/2025
FB	Q2815-26	BP025480.D	08/19/2025
TW-84SB-S	Q2815-17	BP025498.D	08/20/2025
TW-17M-S	Q2815-16	BP025499.D	08/20/2025

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: FIRS02
SDG NO.: Q2815
DFTPP Injection Date: 08/12/2025
DFTPP Injection Time: 08:34

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

1-Value is % mass 69

2-Value is % mass 442

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

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



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143398.D
Instrument ID: BNA_F

Contract: FIRS02
SDG NO.: Q2815
DFTPP Injection Date: 08/15/2025
DFTPP Injection Time: 01:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	81.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143399.D	08/15/2025	03:54
TW-705R-S	Q2815-01	BF143403.D	08/15/2025	05:52
TW-10PC-W	Q2815-02	BF143404.D	08/15/2025	06:22
TW-10P-E	Q2815-03	BF143405.D	08/15/2025	06:51
TW-10P-S	Q2815-04	BF143406.D	08/15/2025	07:20
TW-10P-W	Q2815-05	BF143407.D	08/15/2025	07:49
TW-10P-N	Q2815-06	BF143408.D	08/15/2025	08:18
TW-88H-E	Q2815-07	BF143409.D	08/15/2025	08:48
TW-88H-W	Q2815-09	BF143411.D	08/15/2025	09:46
SSTDCCC040EC	SSTDCCC040	BF143414.D	08/15/2025	12:45



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: FIRS02
SDG NO.: Q2815
DFTPP Injection Date: 08/20/2025
DFTPP Injection Time: 10:26

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

1-Value is % mass 69

2-Value is % mass 442

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

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



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: FIRS02
SDG NO.: Q2815
DFTPP Injection Date: 08/20/2025
DFTPP Injection Time: 21:36

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

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143498.D	08/20/2025	22:05
TW-22M-S	Q2815-12	BF143502.D	08/21/2025	00:00
TW-22M-W	Q2815-11	BF143514.D	08/21/2025	05:47
TW-88H-N	Q2815-08	BF143515.D	08/21/2025	06:15
SSTDCCC040EC	SSTDCCC040	BF143516.D	08/21/2025	06:44



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: FIRS02
SDG NO.: Q2815
DFTPP Injection Date: 08/21/2025
DFTPP Injection Time: 08:20

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

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143518.D	08/21/2025	09:21
TW-17M-E	Q2815-15	BF143535.D	08/21/2025	17:36
SSTDCCC040EC	SSTDCCC040	BF143539.D	08/21/2025	19:32



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: FIRS02
SDG NO.: Q2815
DFTPP Injection Date: 08/14/2025
DFTPP Injection Time: 10:30

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

1-Value is % mass 69

2-Value is % mass 442

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

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



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: FIRS02
SDG NO.: Q2815
DFTPP Injection Date: 08/15/2025
DFTPP Injection Time: 09:55

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

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025422.D	08/15/2025	10:36
PB169230BL	PB169230BL	BP025423.D	08/15/2025	11:17
PB169230BS	PB169230BS	BP025424.D	08/15/2025	11:59
PB169230BSD	PB169230BSD	BP025425.D	08/15/2025	13:26
SSTDCCC040EC	SSTDCCC040	BP025436.D	08/15/2025	21:03



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025469.D
Instrument ID: BNA_P

Contract: FIRS02
SDG NO.: Q2815
DFTPP Injection Date: 08/19/2025
DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	80.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025470.D	08/19/2025	10:44
PB169244BL	PB169244BL	BP025471.D	08/19/2025	11:25
PB169244BS	PB169244BS	BP025472.D	08/19/2025	12:06
PB169244BSD	PB169244BSD	BP025473.D	08/19/2025	12:47
TW-84SB-W	Q2815-18	BP025474.D	08/19/2025	13:29
DUP	Q2815-19	BP025475.D	08/19/2025	14:10
TW-11M-W	Q2815-20	BP025476.D	08/19/2025	14:51
TW-11M-E	Q2815-21	BP025477.D	08/19/2025	15:32
TW-11M-S	Q2815-22	BP025478.D	08/19/2025	16:13
TW-11M-N	Q2815-23	BP025479.D	08/19/2025	16:55
FB	Q2815-26	BP025480.D	08/19/2025	17:36
TW-22M-E	Q2815-13	BP025483.D	08/19/2025	19:39
TW-22M-N	Q2815-14	BP025484.D	08/19/2025	20:21
SSTDCCC040EC	SSTDCCC040	BP025485.D	08/19/2025	21:43



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP025486.D
Instrument ID: BNA_P

Contract: FIRS02
SDG NO.: Q2815
DFTPP Injection Date: 08/19/2025
DFTPP Injection Time: 23:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	78.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025487.D	08/19/2025	23:46
TW-84SB-S	Q2815-17	BP025498.D	08/20/2025	07:16
TW-17M-S	Q2815-16	BP025499.D	08/20/2025	07:57
SSTDCCC040EC	SSTDCCC040	BP025502.D	08/20/2025	10:41



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: FIRS02
SDG NO.: Q2815
DFTPP Injection Date: 08/20/2025
DFTPP Injection Time: 17:04

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

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025512.D	08/20/2025	18:27
TW-88H-S	Q2815-10	BP025525.D	08/21/2025	03:18
SSTDCCC040EC	SSTDCCC040	BP025526.D	08/21/2025	03:59

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID : SSTDCCC040

Date Analyzed: 08/15/2025

Lab File ID: BF143399.D

Time Analyzed: 03:54

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	154119	6.934	585558	8.22	307669	9.97
UPPER LIMIT	308238	7.434	1171120	8.716	615338	10.469
LOWER LIMIT	77059.5	6.434	292779	7.716	153835	9.469
EPA SAMPLE NO.						
01 TW-705R-S	139694	6.93	534216	8.21	279286	9.97
02 TW-10PC-W	137941	6.93	524967	8.21	279779	9.97
03 TW-10P-E	142072	6.93	539316	8.21	291303	9.97
04 TW-10P-S	135058	6.93	527993	8.21	282094	9.97
05 TW-10P-W	144249	6.93	549029	8.21	296630	9.97
06 TW-10P-N	137416	6.93	517426	8.22	279031	9.97
07 TW-88H-E	141186	6.93	541543	8.21	289147	9.97
08 TW-88H-W	140835	6.93	532467	8.21	273733	9.97

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID: SSTDCCC040

Date Analyzed: 08/15/2025

Lab File ID: BF143399.D

Time Analyzed: 03:54

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	448323	11.457	298922	14.098	377299	15.592
UPPER LIMIT	896646	11.957	597844	14.598	754598	16.092
LOWER LIMIT	224162	10.957	149461	13.598	188650	15.092
EPA SAMPLE NO.						
01 TW-705R-S	394740	11.45	244401	14.10	317027	15.59
02 TW-10PC-W	405971	11.46	246476	14.10	306529	15.59
03 TW-10P-E	417383	11.46	249094	14.10	314728	15.59
04 TW-10P-S	414730	11.46	243022	14.10	302866	15.59
05 TW-10P-W	438155	11.46	267853	14.10	326295	15.59
06 TW-10P-N	403823	11.46	244621	14.10	304602	15.59
07 TW-88H-E	429306	11.46	260079	14.10	317026	15.59
08 TW-88H-W	391193	11.46	269564	14.10	332981	15.59

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID : SSTDCCC040

Date Analyzed: 08/20/2025

Lab File ID: BF143498.D

Time Analyzed: 22:05

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	138596	6.928	522619	8.21	286971	9.97
UPPER LIMIT	277192	7.428	1045240	8.71	573942	10.469
LOWER LIMIT	69298	6.428	261310	7.71	143486	9.469
EPA SAMPLE NO.						
01 TW-88H-N	131555	6.93	502957	8.20	275165	9.96
02 TW-22M-W	127726	6.93	485532	8.20	258859	9.96
03 TW-22M-S	131776	6.93	484366	8.21	235399	9.97

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID: SSTDCCC040

Date Analyzed: 08/20/2025

Lab File ID: BF143498.D

Time Analyzed: 22:05

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	448105	11.451	253253	14.098	290056	15.592
UPPER LIMIT	896210	11.951	506506	14.598	580112	16.092
LOWER LIMIT	224053	10.951	126627	13.598	145028	15.092
EPA SAMPLE NO.						
01 TW-88H-N	407593	11.45	230062	14.09	280966	15.59
02 TW-22M-W	382887	11.45	214981	14.09	273080	15.59
03 TW-22M-S	314699	11.46	215069	14.09	267410	15.59

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID : SSTDCCC040

Date Analyzed: 08/21/2025

Lab File ID: BF143518.D

Time Analyzed: 09:21

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	118001	6.928	448774	8.21	244595	9.96
UPPER LIMIT	236002	7.428	897548	8.71	489190	10.463
LOWER LIMIT	59000.5	6.428	224387	7.71	122298	9.463
EPA SAMPLE NO.						
01 TW-17M-E	123661	6.93	463978	8.20	243046	9.96

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID: SSTDCCC040

Date Analyzed: 08/21/2025

Lab File ID: BF143518.D

Time Analyzed: 09:21

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	369706	11.451	222503	14.098	262934	15.592
UPPER LIMIT	739412	11.951	445006	14.598	525868	16.092
LOWER LIMIT	184853	10.951	111252	13.598	131467	15.092
EPA SAMPLE NO.						
01 TW-17M-E	340891	11.45	245599	14.09	286900	15.59

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID : SSTDCCC040

Date Analyzed: 08/15/2025

Lab File ID: BP025422.D

Time Analyzed: 10:36

Instrument ID: BNA_P

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	163210	7.79	699113	10.55	458301	14.41
UPPER LIMIT	326420	8.29	1398230	11.054	916602	14.907
LOWER LIMIT	81605	7.29	349557	10.054	229151	13.907
EPA SAMPLE NO.						
01 PB169230BL	154254	7.79	595195	10.56	376083	14.40
02 PB169230BS	169971	7.79	670319	10.56	424018	14.40
03 PB169230BSD	168072	7.78	666741	10.55	424927	14.40

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID: SSTDCCC040

Date Analyzed: 08/15/2025

Lab File ID: BP025422.D

Time Analyzed: 10:36

Instrument ID: BNA_P

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	913689	17.201	958309	21.648	1096860	25.012
UPPER LIMIT	1827380	17.701	1916620	22.148	2193720	25.512
LOWER LIMIT	456845	16.701	479155	21.148	548430	24.512
EPA SAMPLE NO.						
01 PB169230BL	774408	17.20	884552	21.65	1011780	25.02
02 PB169230BS	812951	17.19	911094	21.64	1094190	25.02
03 PB169230BSD	837407	17.21	883409	21.65	1035260	25.01

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID : SSTDCCC040

Date Analyzed: 08/19/2025

Lab File ID: BP025470.D

Time Analyzed: 10:44

Instrument ID: BNA_P

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	152340	7.784	634765	10.56	424501	14.40
UPPER LIMIT	304680	8.284	1269530	11.06	849002	14.895
LOWER LIMIT	76170	7.284	317383	10.06	212251	13.895
EPA SAMPLE NO.						
01 PB169244BL	171241	7.78	669280	10.56	431883	14.41
02 PB169244BS	161110	7.79	644957	10.56	415960	14.40
03 PB169244BSD	172374	7.79	704478	10.56	488785	14.40
04 TW-84SB-W	139862	7.79	556768	10.55	388092	14.40
05 DUP	168639	7.79	683732	10.57	469521	14.40
06 TW-11M-W	148632	7.79	590183	10.56	418235	14.40
07 TW-22M-E	189806	7.79	753920	10.56	487293	14.41
08 TW-22M-N	172969	7.79	690769	10.56	457523	14.40
09 TW-11M-E	173452	7.79	695938	10.55	476134	14.40
10 TW-11M-S	147618	7.79	586285	10.55	383766	14.41
11 TW-11M-N	176367	7.79	703475	10.56	480789	14.41
12 FB	167066	7.79	639641	10.56	412613	14.40

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID: SSTDCCC040

Date Analyzed: 08/19/2025

Lab File ID: BP025470.D

Time Analyzed: 10:44

Instrument ID: BNA_P

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	850052	17.195	848020	21.654	967213	25.018
	UPPER LIMIT	1700100	17.695	1696040	22.154	1934430	25.518
	LOWER LIMIT	425026	16.695	424010	21.154	483607	24.518
	EPA SAMPLE NO.						
01	PB169244BL	954940	17.20	1095780	21.64	1221510	25.02
02	PB169244BS	862003	17.19	910554	21.64	1045080	25.00
03	PB169244BSD	1043570	17.21	1070060	21.65	1176740	25.03
04	TW-84SB-W	881253	17.20	1055400	21.64	1148870	25.02
05	DUP	1016330	17.20	1089180	21.64	1207990	25.00
06	TW-11M-W	940535	17.20	1068310	21.65	1139630	25.02
07	TW-22M-E	1006080	17.21	1046080	21.64	1169210	25.02
08	TW-22M-N	948006	17.18	1011220	21.63	1092930	25.00
09	TW-11M-E	1011820	17.21	1102100	21.64	1196380	25.01
10	TW-11M-S	852196	17.21	989042	21.64	1090880	25.01
11	TW-11M-N	1017060	17.20	1121360	21.64	1227840	25.01
12	FB	881450	17.20	1063190	21.65	1155860	25.01

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID : SSTDCCC040

Date Analyzed: 08/19/2025

Lab File ID: BP025487.D

Time Analyzed: 23:46

Instrument ID: BNA_P

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	159158	7.79	679178	10.56	450864	14.41
UPPER LIMIT	318316	8.29	1358360	11.06	901728	14.913
LOWER LIMIT	79579	7.29	339589	10.06	225432	13.913
EPA SAMPLE NO.						
01 TW-17M-S	171668	7.79	676553	10.56	465606	14.40
02 TW-84SB-S	135355	7.78	532071	10.56	358845	14.41

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID: SSTDCCC040

Date Analyzed: 08/19/2025

Lab File ID: BP025487.D

Time Analyzed: 23:46

Instrument ID: BNA_P

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	905283	17.207	932001	21.642	1054170	25.012
UPPER LIMIT	1810570	17.707	1864000	22.142	2108340	25.512
LOWER LIMIT	452642	16.707	466001	21.142	527085	24.512
EPA SAMPLE NO.						
01 TW-17M-S	990987	17.19	1097800	21.64	1196410	25.00
02 TW-84SB-S	772879	17.20	930555	21.65	1053020	25.02

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID : SSTDCCC040

Date Analyzed: 08/20/2025

Lab File ID: BP025512.D

Time Analyzed: 18:27

Instrument ID: BNA_P

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	166180	7.79	619421	10.55	355189	14.40
UPPER LIMIT	332360	8.29	1238840	11.054	710378	14.895
LOWER LIMIT	83090	7.29	309711	10.054	177595	13.895
EPA SAMPLE NO.						
01 TW-88H-S	223815	7.78	911198	10.55	611112	14.40

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2815

Client ID: SSTDCCC040

Date Analyzed: 08/20/2025

Lab File ID: BP025512.D

Time Analyzed: 18:27

Instrument ID: BNA_P

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	670328	17.201	721835	21.648	911460	25.03
UPPER LIMIT	1340660	17.701	1443670	22.148	1822920	25.53
LOWER LIMIT	335164	16.701	360918	21.148	455730	24.53
EPA SAMPLE NO.						
01 TW-88H-S	1126780	17.20	954753	21.64	1099020	25.01

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
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- 16
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- 18

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-705R-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143403.D	1	08/12/25 11:39	08/15/25 05:52	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-705R-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143403.D	1	08/12/25 11:39	08/15/25 05:52	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-705R-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143403.D	1	08/12/25 11:39	08/15/25 05:52	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.56	4.00	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.60	4.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.68	4.00	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.70	4.00	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.53	4.00	5.10	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.73	4.00	5.10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	11.2	*	19 - 119		7%	SPK: 150
13127-88-3	Phenol-d6	14.1	*	10 - 130		9%	SPK: 150
4165-60-0	Nitrobenzene-d5	23.4	*	44 - 120		23%	SPK: 100
321-60-8	2-Fluorobiphenyl	24.6	*	44 - 119		25%	SPK: 100
118-79-6	2,4,6-Tribromophenol	16.7	*	43 - 140		11%	SPK: 150
1718-51-0	Terphenyl-d14	22.5	*	50 - 134		22%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	140000		6.934			
1146-65-2	Naphthalene-d8	534000		8.21			
15067-26-2	Acenaphthene-d10	279000		9.969			
1517-22-2	Phenanthrene-d10	395000		11.451			
1719-03-5	Chrysene-d12	244000		14.098			
1520-96-3	Perylene-d12	317000		15.592			
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	38.8	J			2.24	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	14.7	AB			5.15	ug/L
000119-61-9	Benzophenone	4.10	J			10.7	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-705R-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143403.D	1	08/12/25 11:39	08/15/25 05:52	PB169230

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143403.D
Acq On : 15 Aug 2025 05:52
Operator : RC/JU
Sample : Q2815-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-705R-S

Quant Time: Aug 15 07:48:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	139694	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	534216	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	279286	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	394740	20.000	ng	0.00
76) Chrysene-d12	14.098	240	244401	20.000	ng	0.00
86) Perylene-d12	15.592	264	317027	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	90828	11.244	ng	0.00
7) Phenol-d6	6.557	99	145982	14.092	ng	0.00
23) Nitrobenzene-d5	7.487	82	200671	23.392	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	34041	16.678	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	405033	24.593	ng	0.00
79) Terphenyl-d14	13.033	244	307440	22.458	ng	0.00

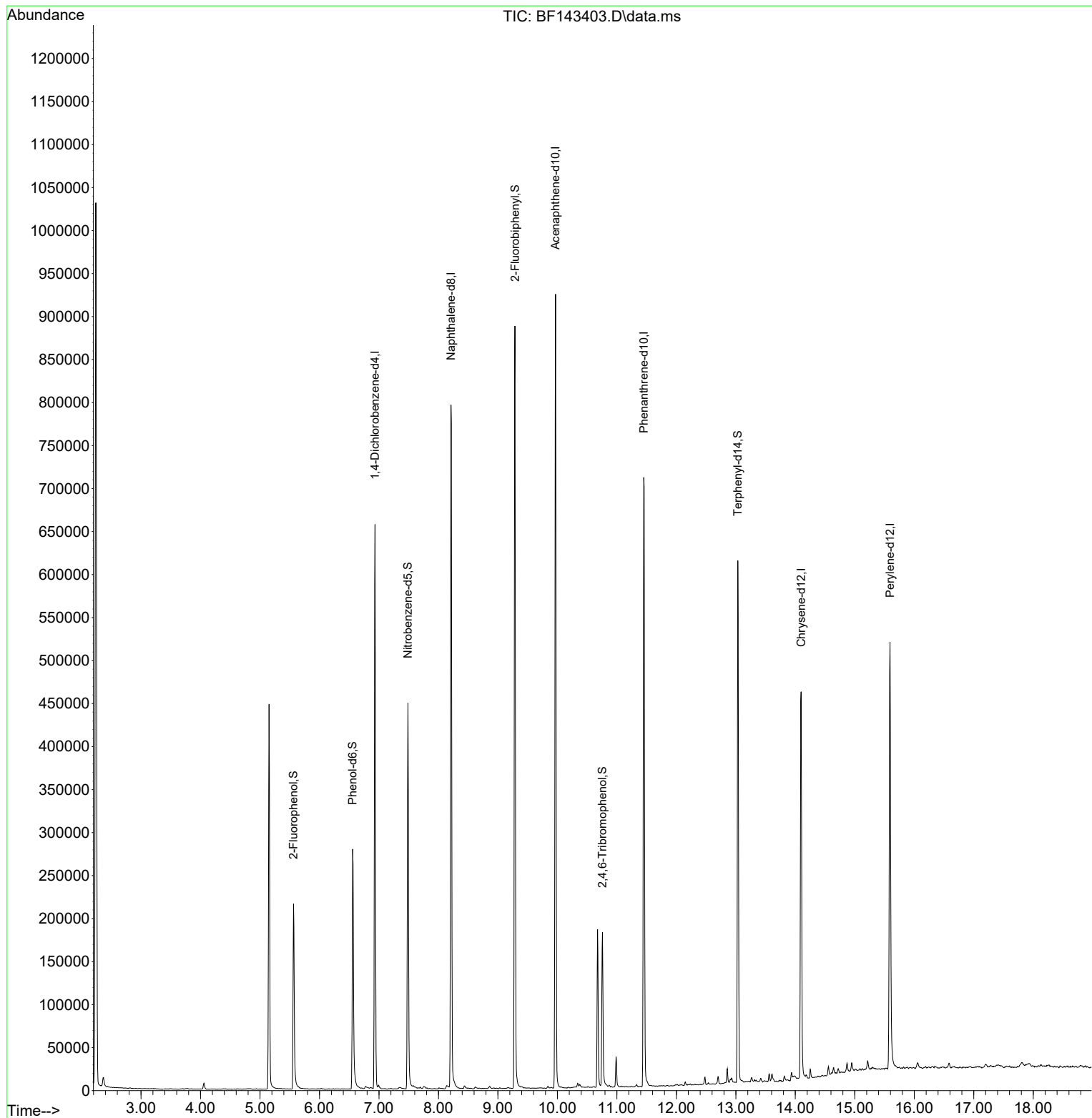
Target Compounds	Qvalue

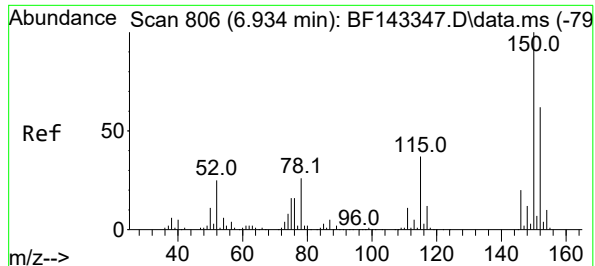
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143403.D
Acq On : 15 Aug 2025 05:52
Operator : RC/JU
Sample : Q2815-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-705R-S

Quant Time: Aug 15 07:48:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

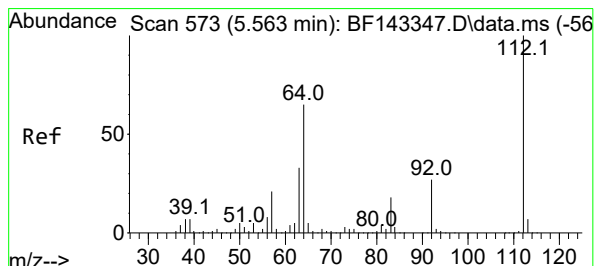
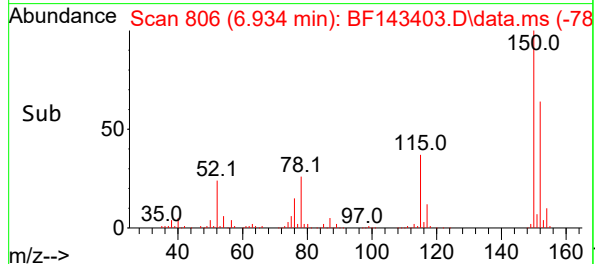
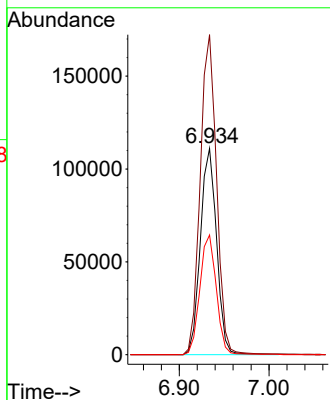
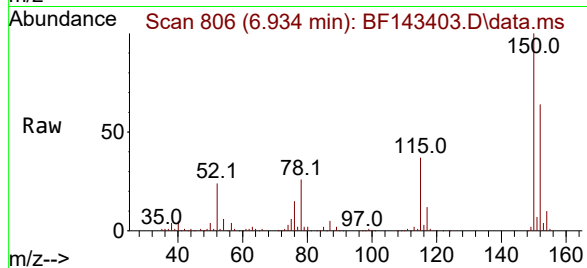




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

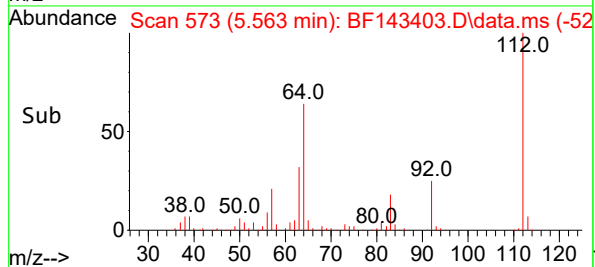
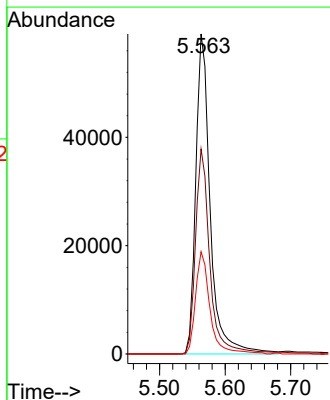
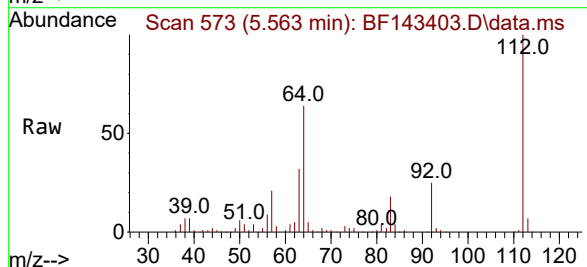
Instrument :
BNA_F
ClientSampleId :
TW-705R-S

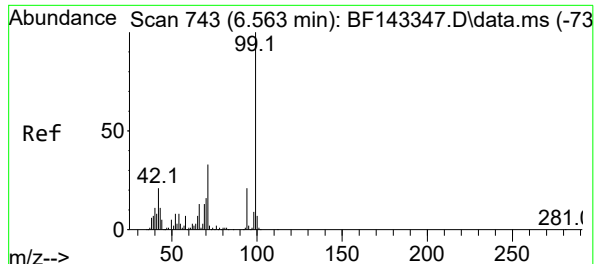
Tgt Ion:152 Resp: 139694
Ion Ratio Lower Upper
152 100
150 155.1 129.8 194.8
115 58.1 47.8 71.8



#5
2-Fluorophenol
Concen: 11.244 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

Tgt Ion:112 Resp: 90828
Ion Ratio Lower Upper
112 100
64 64.0 52.1 78.1
63 31.9 26.6 39.8





#7

Phenol-d6

Concen: 14.092 ng

RT: 6.557 min Scan# 743

Delta R.T. -0.006 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

Instrument :

BNA_F

ClientSampleId :

TW-705R-S

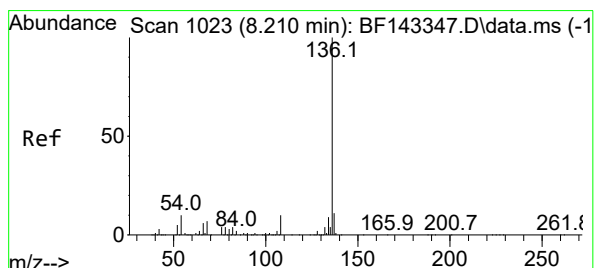
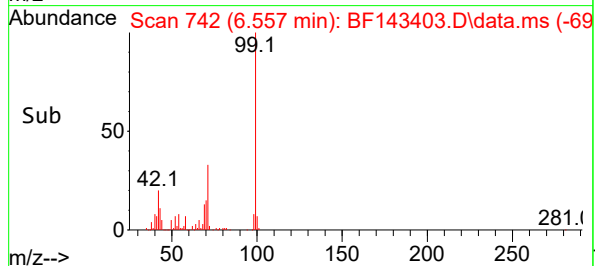
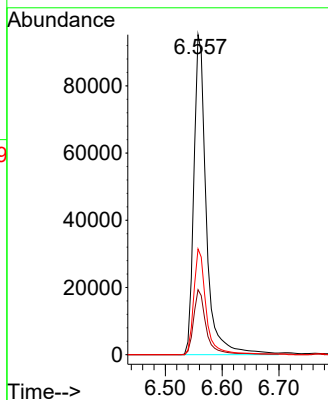
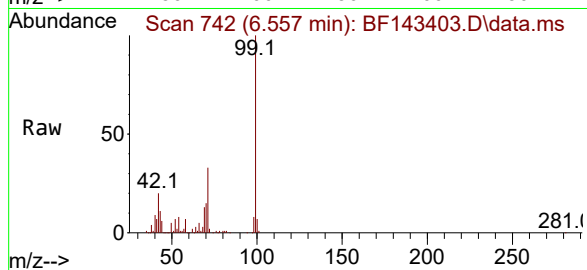
Tgt Ion: 99 Resp: 145982

Ion Ratio Lower Upper

99 100

42 20.3 16.6 25.0

71 33.0 26.2 39.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

Tgt Ion: 136 Resp: 534216

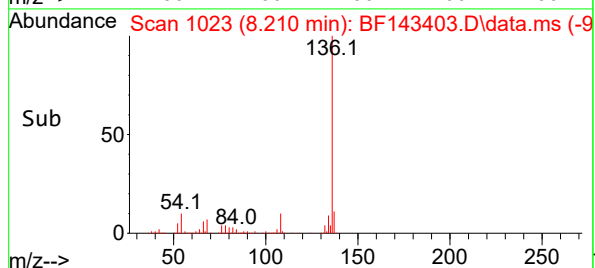
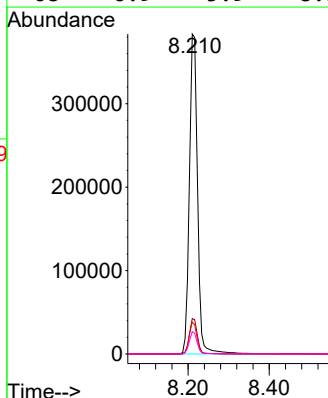
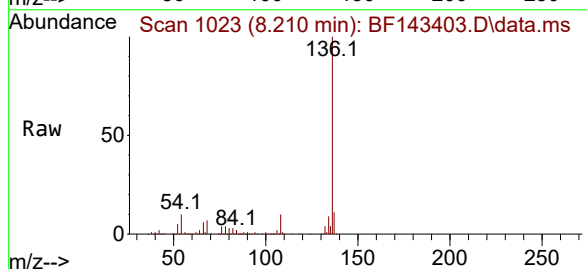
Ion Ratio Lower Upper

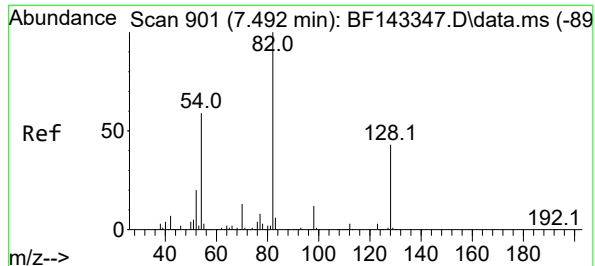
136 100

137 11.1 8.6 13.0

54 9.9 8.4 12.6

68 6.9 5.9 8.9





#23

Nitrobenzene-d5

Concen: 23.392 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

Instrument :

BNA_F

ClientSampleId :

TW-705R-S

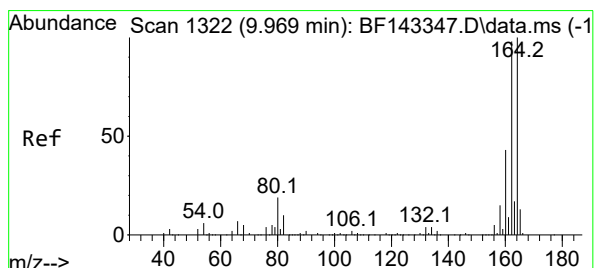
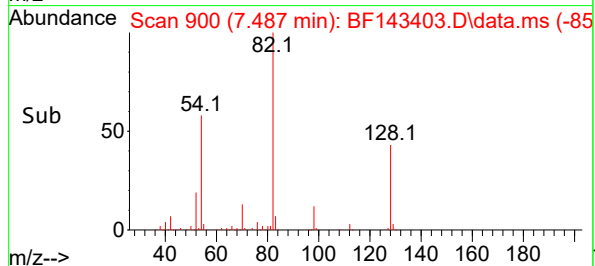
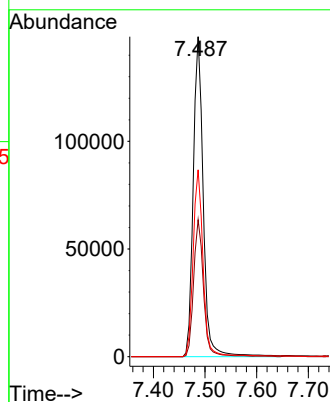
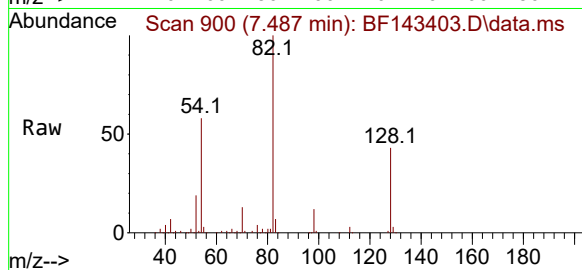
Tgt Ion: 82 Resp: 200671

Ion Ratio Lower Upper

82 100

128 42.8 33.5 50.3

54 58.4 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

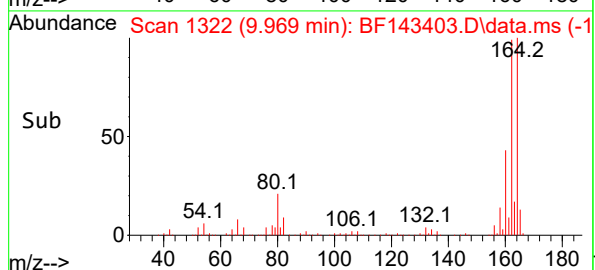
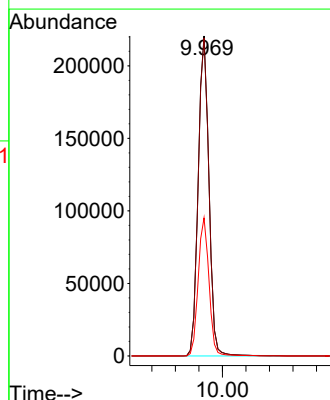
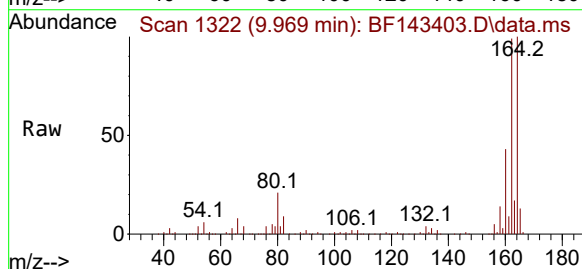
Tgt Ion: 164 Resp: 279286

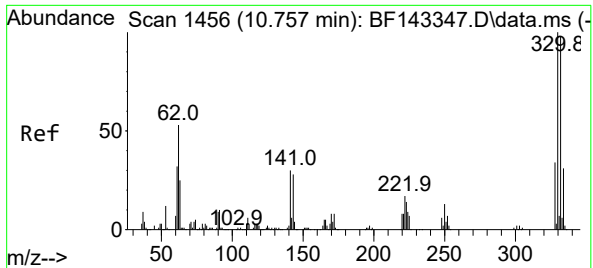
Ion Ratio Lower Upper

164 100

162 99.4 78.6 118.0

160 43.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 16.678 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF143403.D

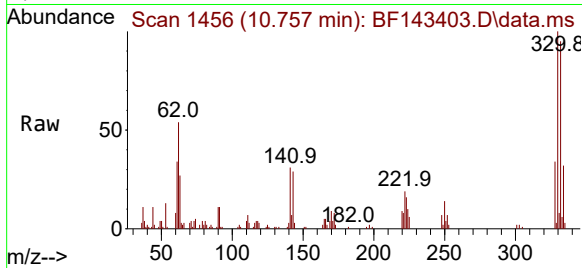
Acq: 15 Aug 2025 05:52

Instrument :

BNA_F

ClientSampleId :

TW-705R-S



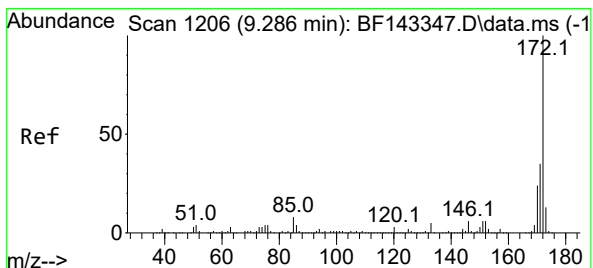
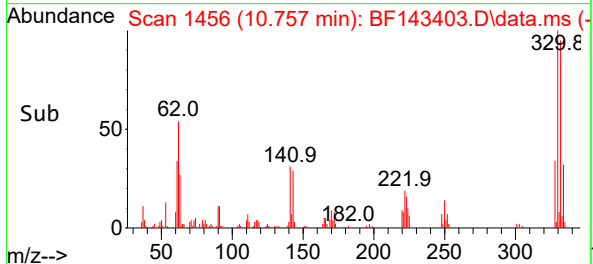
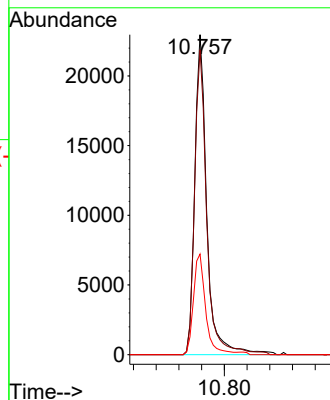
Tgt Ion:330 Resp: 34041

Ion Ratio Lower Upper

330 100

332 95.4 78.1 117.1

141 31.8 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 24.593 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

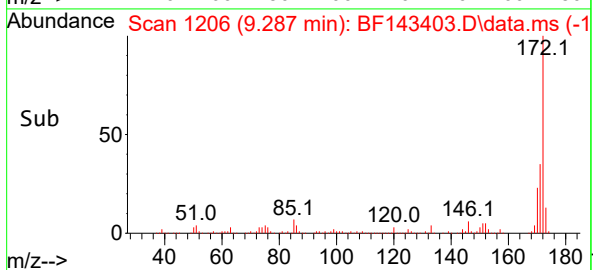
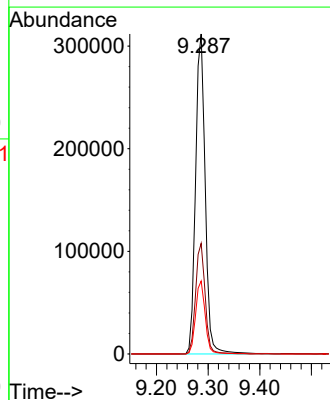
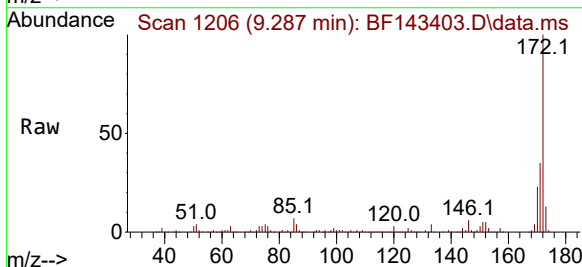
Tgt Ion:172 Resp: 405033

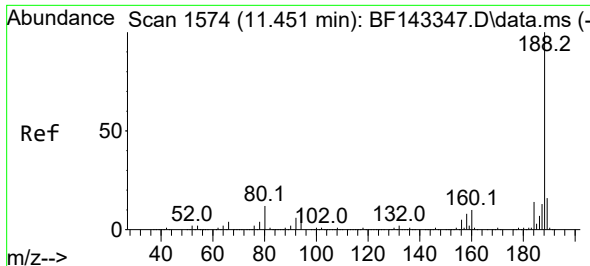
Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 22.8 19.1 28.7

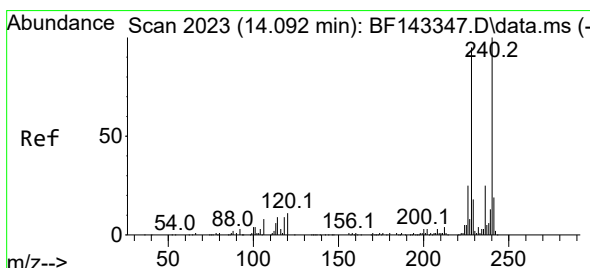
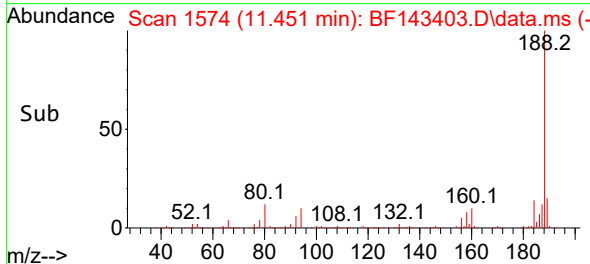
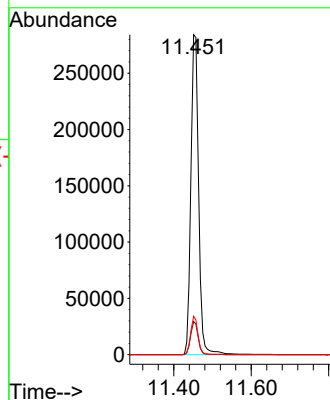
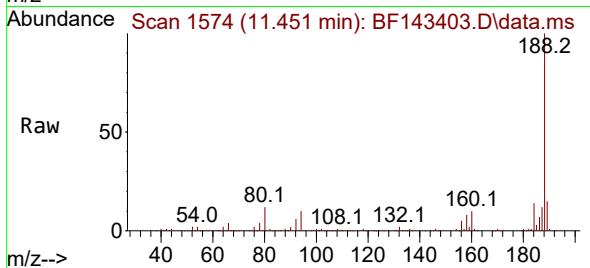




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

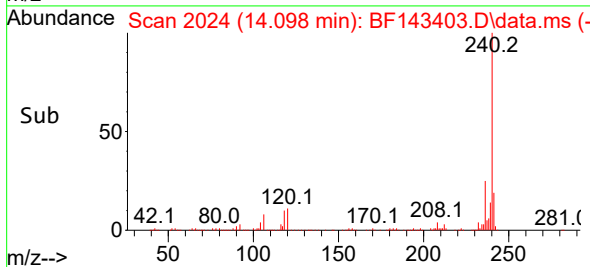
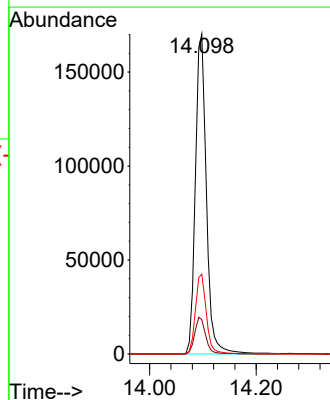
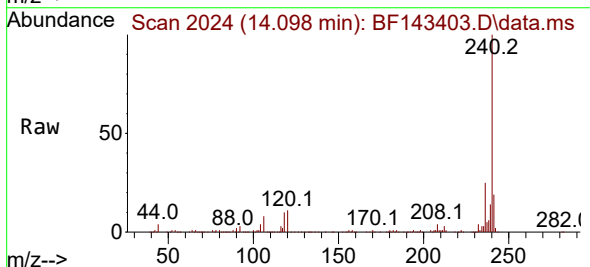
Instrument :
BNA_F
ClientSampleId :
TW-705R-S

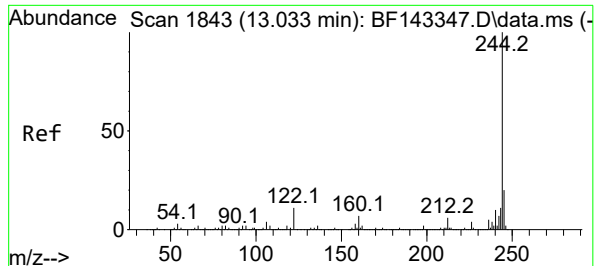
Tgt Ion:188 Resp: 394740
Ion Ratio Lower Upper
188 100
94 10.4 8.8 13.2
80 12.0 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143403.D
Acq: 15 Aug 2025 05:52

Tgt Ion:240 Resp: 244401
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 25.0 19.9 29.9





#79

Terphenyl-d14

Concen: 22.458 ng

RT: 13.033 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

Instrument :

BNA_F

ClientSampleId :

TW-705R-S

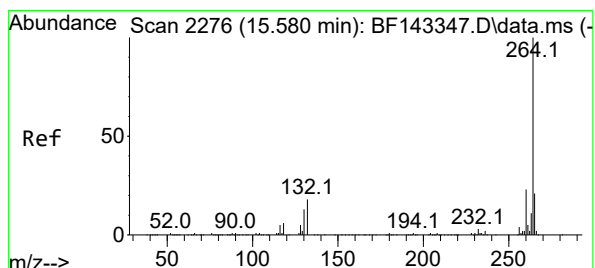
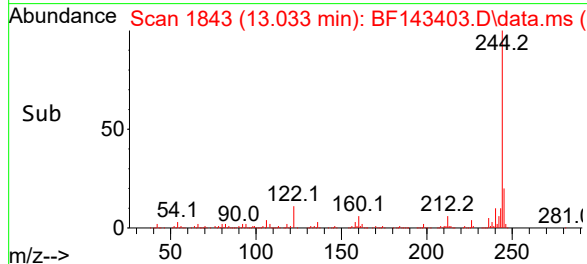
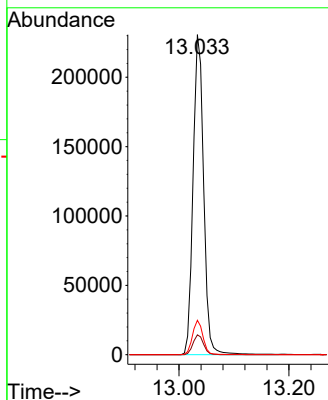
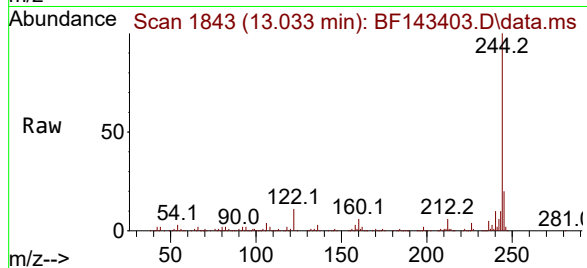
Tgt Ion:244 Resp: 307440

Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 10.8 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143403.D

Acq: 15 Aug 2025 05:52

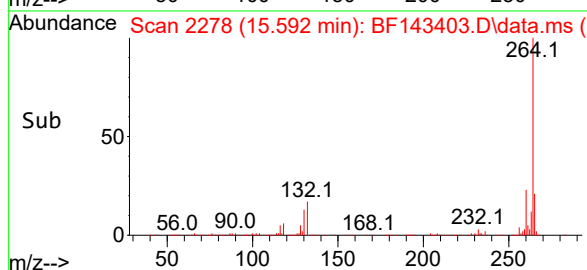
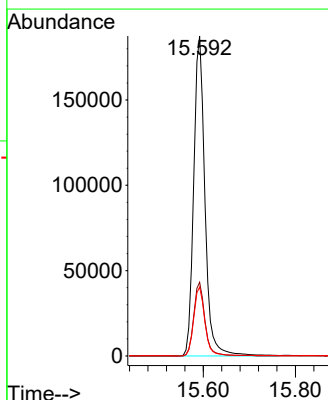
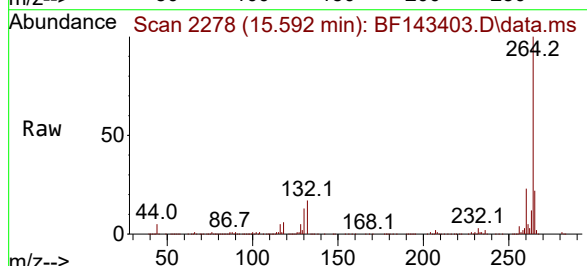
Tgt Ion:264 Resp: 317027

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 21.6 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143403.D
Acq On : 15 Aug 2025 05:52
Operator : RC/JU
Sample : Q2815-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-705R-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143403.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	3	8	23	rVB	1026814	1592683	100.00%	13.698%
2	2.363	25	29	38	rVB	10766	19901	1.25%	0.171%
3	5.151	497	503	518	rBV	447547	602973	37.86%	5.186%
4	5.563	568	573	591	rBV	215296	324328	20.36%	2.789%
5	6.557	737	742	766	rBV	279002	432158	27.13%	3.717%
6	6.934	801	806	813	rBV	655850	829787	52.10%	7.137%
7	7.487	895	900	913	rBV	448742	596183	37.43%	5.128%
8	8.210	1018	1023	1045	rVB	794733	1093623	68.67%	9.406%
9	9.287	1201	1206	1222	rBV	885947	1144835	71.88%	9.847%
10	9.969	1316	1322	1335	rBV	923170	1171854	73.58%	10.079%
11	10.675	1437	1442	1451	rBV	183588	238811	14.99%	2.054%
12	10.757	1451	1456	1472	rVB	179104	258909	16.26%	2.227%
13	10.986	1490	1495	1506	rVB	35058	46189	2.90%	0.397%
14	11.451	1569	1574	1590	rBV	708447	976511	61.31%	8.399%
15	12.857	1809	1813	1818	rBV	16201	19751	1.24%	0.170%
16	13.033	1838	1843	1853	rBV	606811	796538	50.01%	6.851%
17	14.098	2018	2024	2036	rBV	448900	637769	40.04%	5.485%
18	15.592	2271	2278	2292	rBV	496318	844009	52.99%	7.259%

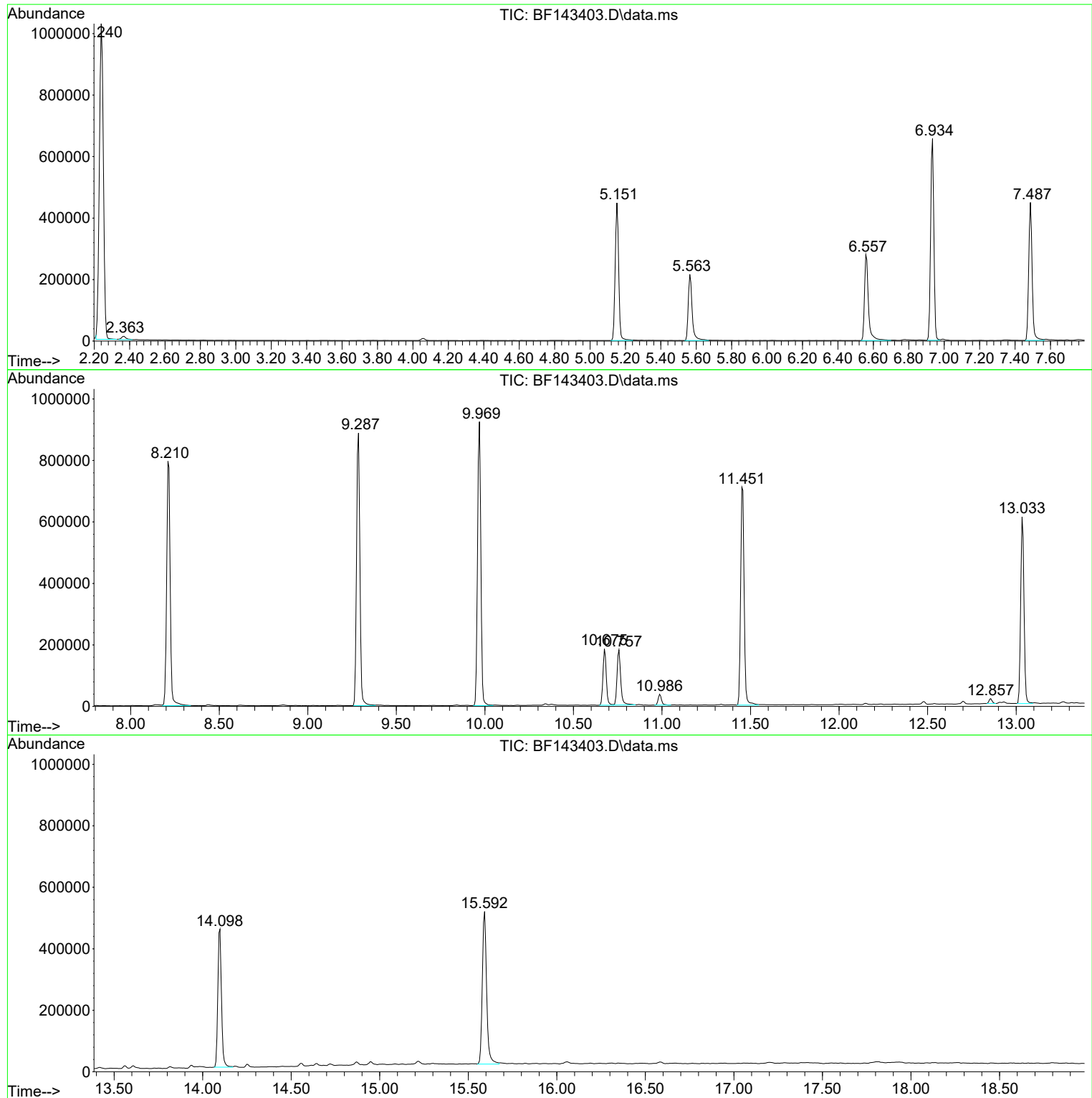
Sum of corrected areas: 11626812

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143403.D
Acq On : 15 Aug 2025 05:52
Operator : RC/JU
Sample : Q2815-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-705R-S

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143403.D
Acq On : 15 Aug 2025 05:52
Operator : RC/JU
Sample : Q2815-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-705R-S

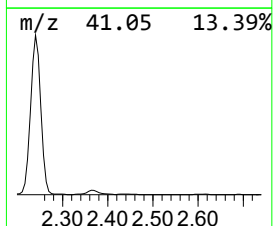
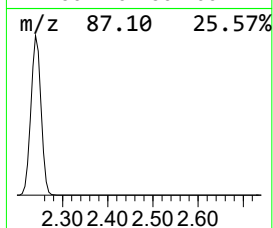
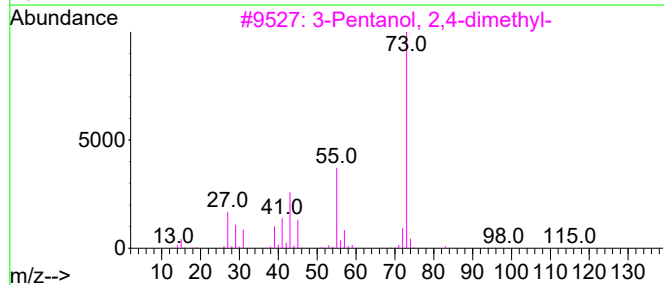
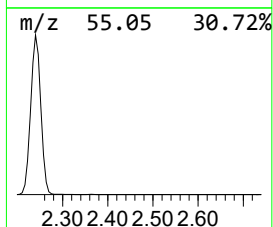
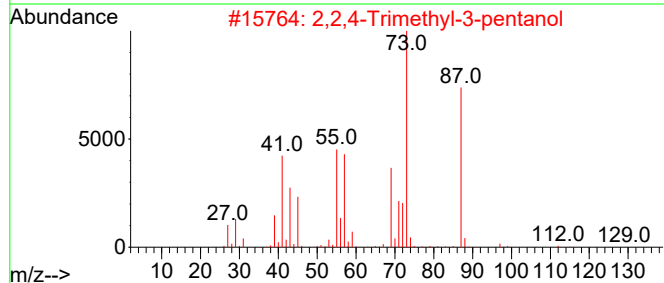
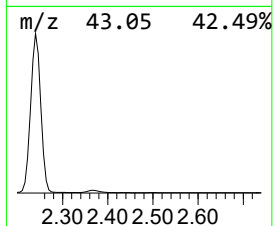
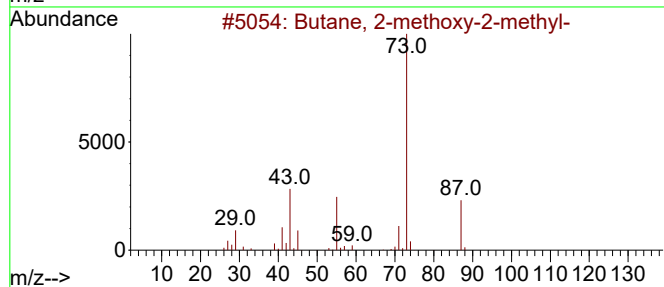
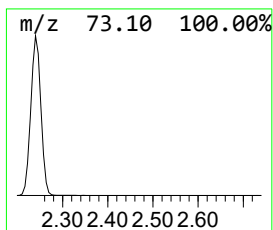
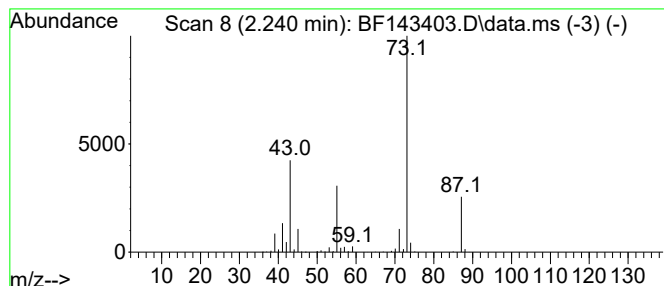
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.240	38.39 ng	1592680	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5			1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143403.D
Acq On : 15 Aug 2025 05:52
Operator : RC/JU
Sample : Q2815-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-705R-S

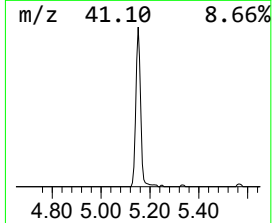
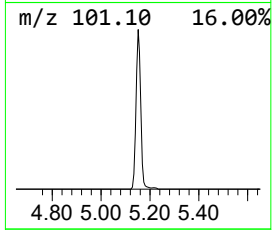
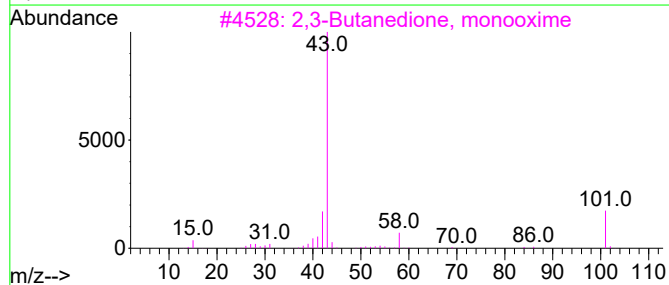
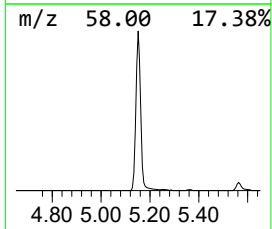
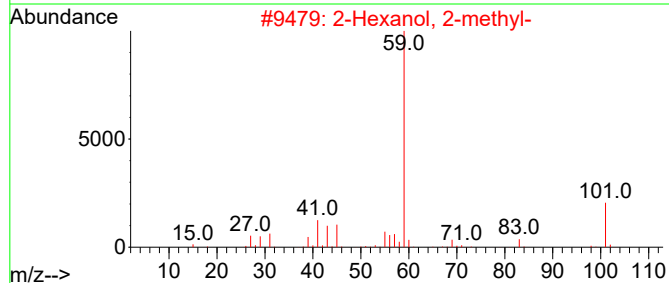
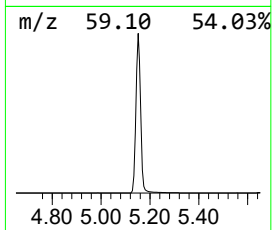
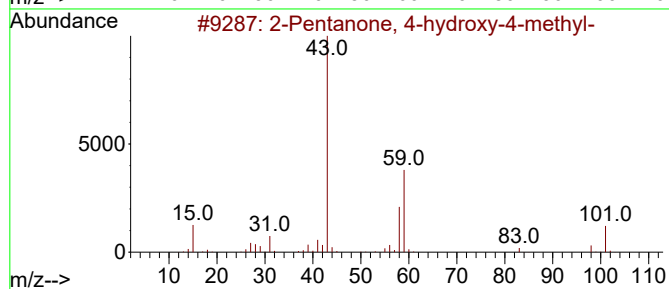
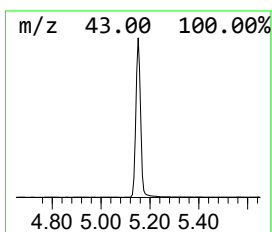
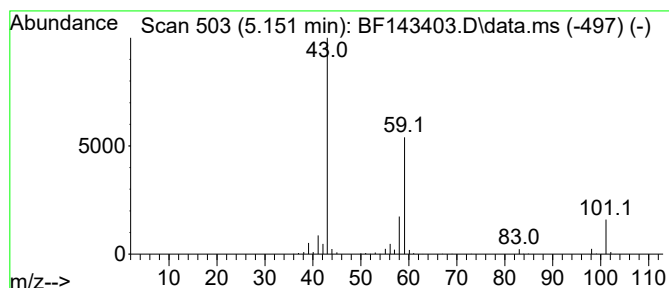
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.151	14.53 ng	602973	1,4-Dichlorobenzene-d4	6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33	
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27	
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23	
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143403.D
Acq On : 15 Aug 2025 05:52
Operator : RC/JU
Sample : Q2815-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-705R-S

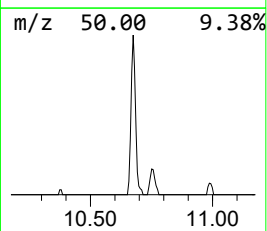
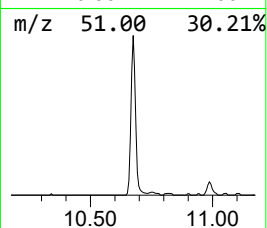
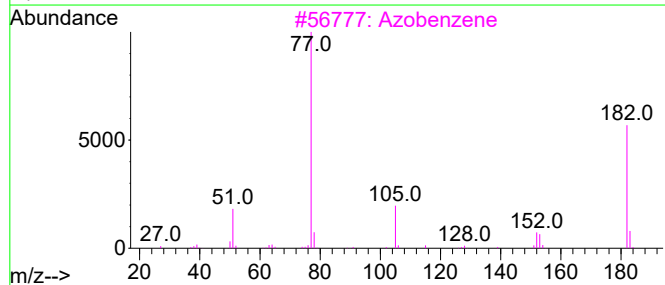
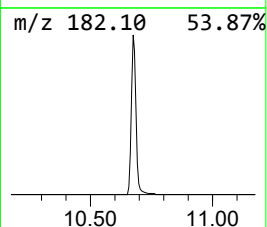
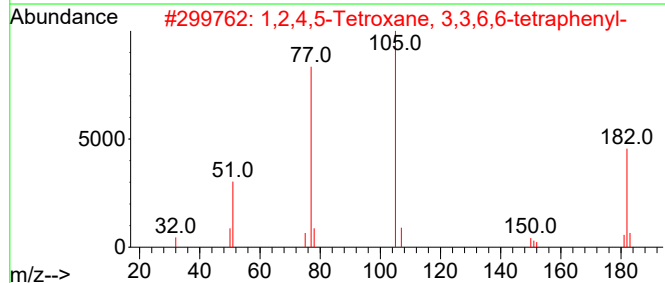
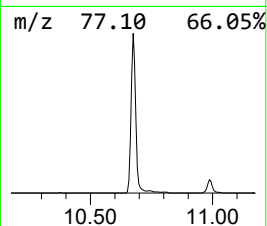
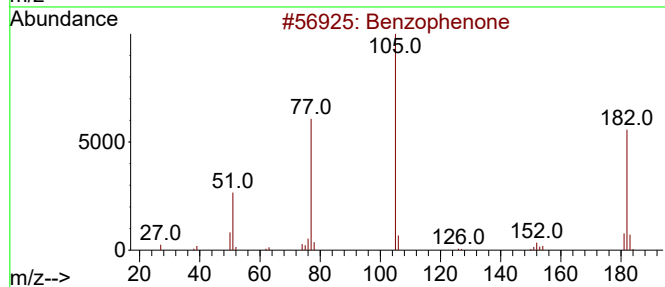
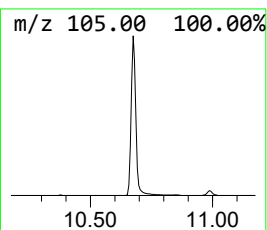
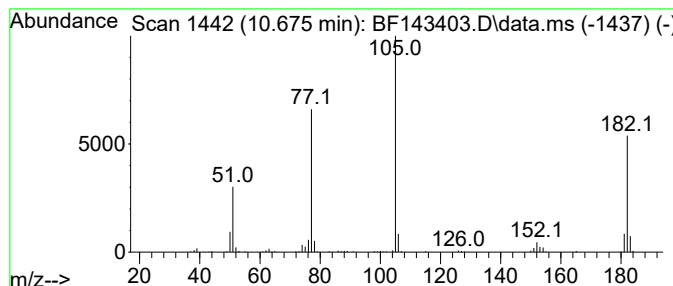
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	4.08 ng	238811	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3			Azobenzene	182	C12H10N2	000103-33-3	53
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50
5			Vinyl benzoate	148	C9H8O2	000769-78-8	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143403.D
Acq On : 15 Aug 2025 05:52
Operator : RC/JU
Sample : Q2815-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-705R-S

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.240	38.4	ng	1592680	1	6.934	829787	20.0
2-Pentanone, 4-...	5.151	14.5	ng	602973	1	6.934	829787	20.0
Benzophenone	10.675	4.1	ng	238811	3	9.969	1171850	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10PC-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143404.D	1	08/12/25 11:39	08/15/25 06:22	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10PC-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143404.D	1	08/12/25 11:39	08/15/25 06:22	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10PC-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143404.D	1	08/12/25 11:39	08/15/25 06:22	PB169230

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

SURROGATES

367-12-4	2-Fluorophenol	85.2		19 - 119		57%	SPK: 150
13127-88-3	Phenol-d6	63.6		10 - 130		42%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		44 - 120		103%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.6		44 - 119		92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		43 - 140		107%	SPK: 150
1718-51-0	Terphenyl-d14	93.9		50 - 134		94%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	138000	6.934
1146-65-2	Naphthalene-d8	525000	8.21
15067-26-2	Acenaphthene-d10	280000	9.969
1517-22-2	Phenanthrene-d10	406000	11.457
1719-03-5	Chrysene-d12	246000	14.098
1520-96-3	Perylene-d12	307000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	100	J		2.29	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.50	AB		5.17	ug/L
000119-61-9	Benzophenone	4.90	J		10.7	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10PC-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143404.D	1	08/12/25 11:39	08/15/25 06:22	PB169230

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143404.D
Acq On : 15 Aug 2025 06:22
Operator : RC/JU
Sample : Q2815-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

Quant Time: Aug 15 07:48:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	137941	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	524967	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	279779	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	405971	20.000	ng	0.00
76) Chrysene-d12	14.098	240	246476	20.000	ng	0.00
86) Perylene-d12	15.592	264	306529	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	679511	85.185	ng	0.00
7) Phenol-d6	6.557	99	650411	63.583	ng	0.00
23) Nitrobenzene-d5	7.492	82	868383	103.011	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	328633	160.725	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1510905	91.577	ng	0.00
79) Terphenyl-d14	13.039	244	1295774	93.859	ng	0.00

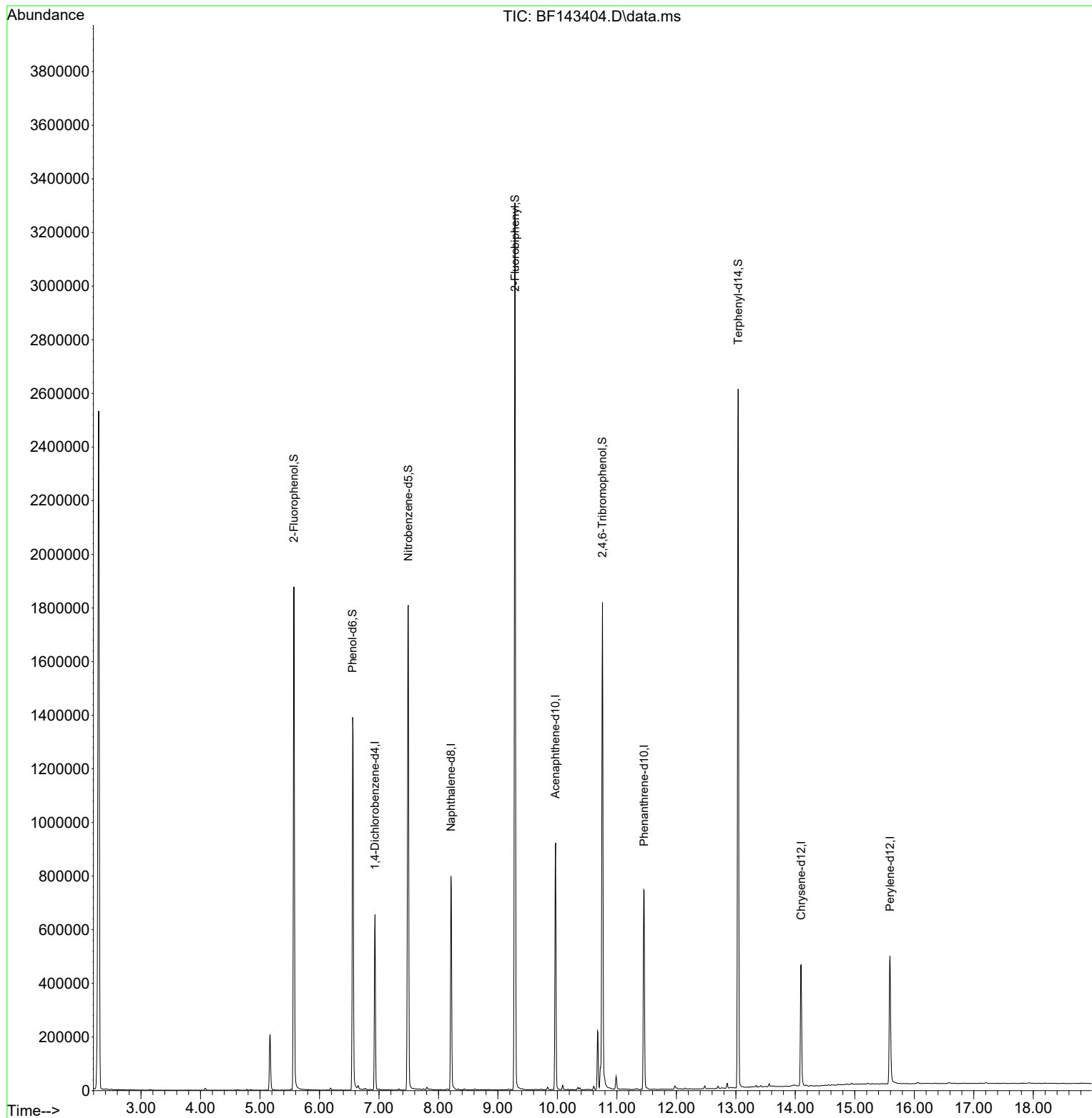
Target Compounds	Qvalue
------------------	--------

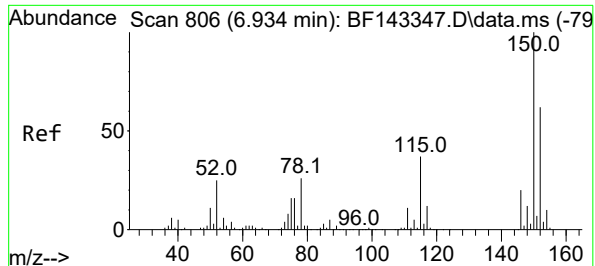
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143404.D
Acq On : 15 Aug 2025 06:22
Operator : RC/JU
Sample : Q2815-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

Quant Time: Aug 15 07:48:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

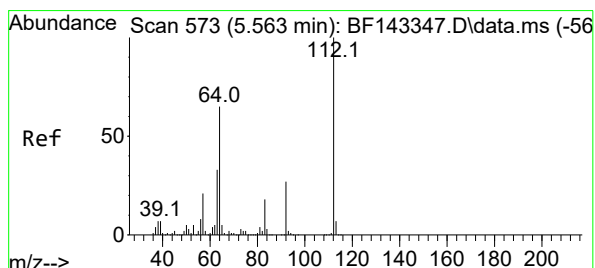
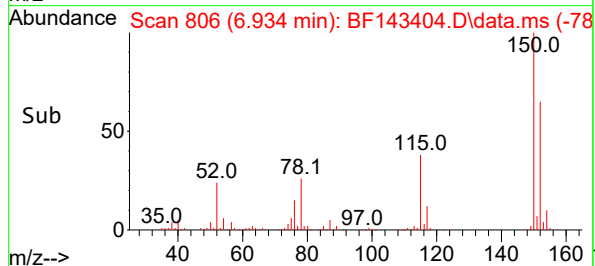
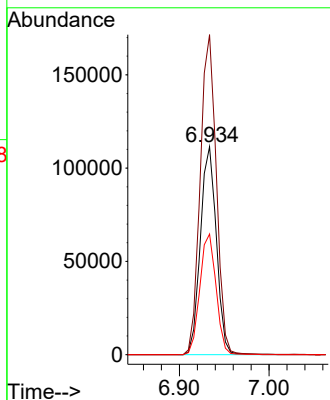
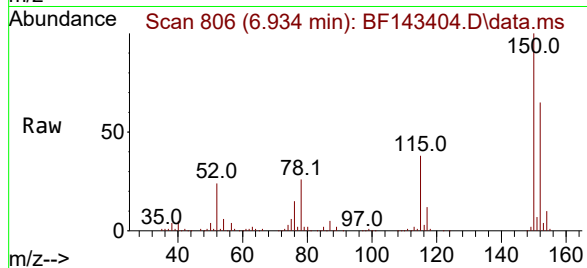




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

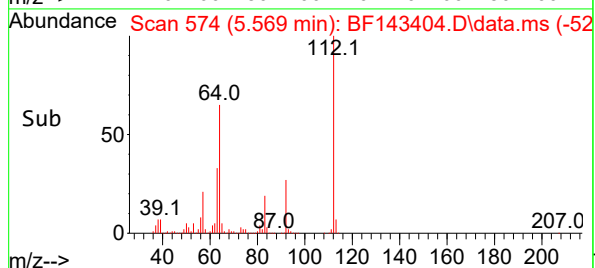
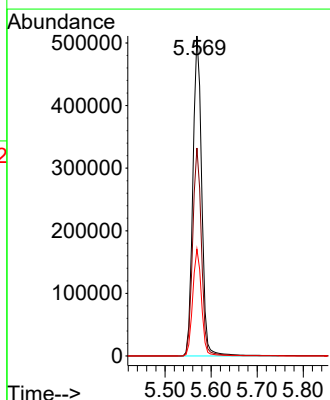
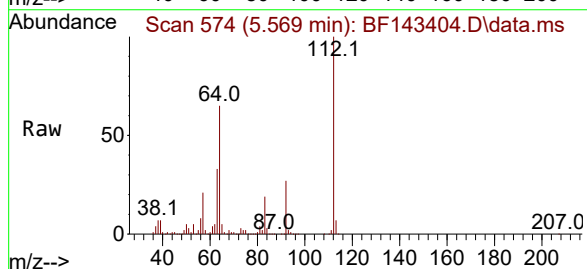
Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

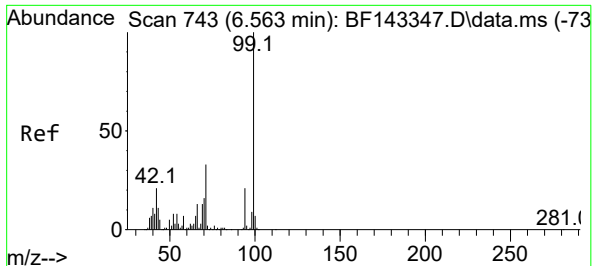
Tgt Ion:152 Resp: 137941
Ion Ratio Lower Upper
152 100
150 153.9 129.8 194.8
115 58.0 47.8 71.8



#5
2-Fluorophenol
Concen: 85.185 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion:112 Resp: 679511
Ion Ratio Lower Upper
112 100
64 65.0 52.1 78.1
63 33.4 26.6 39.8

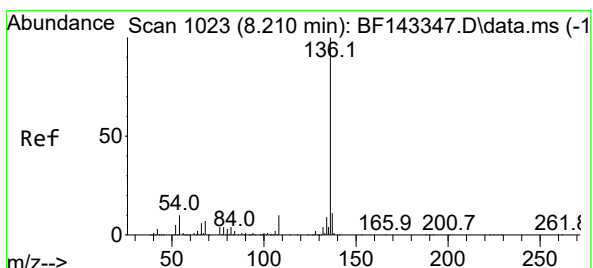
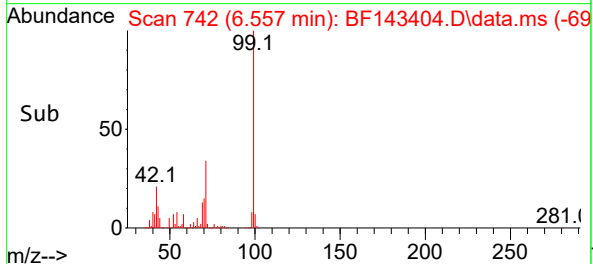
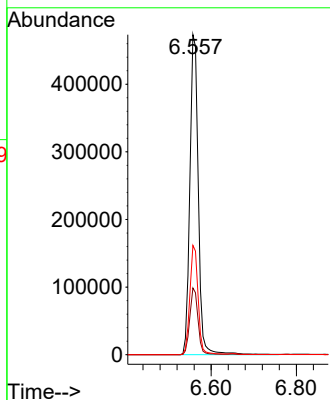
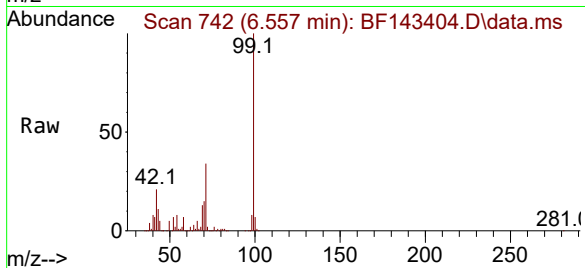




#7
Phenol-d6
Concen: 63.583 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

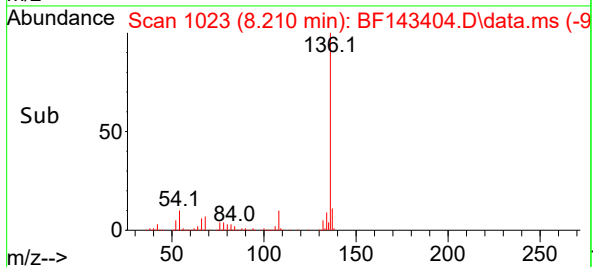
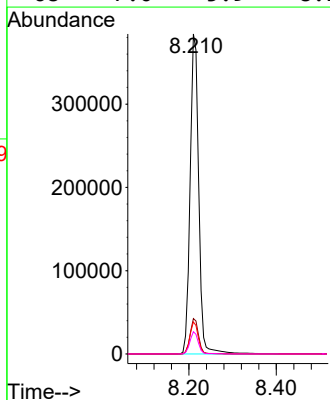
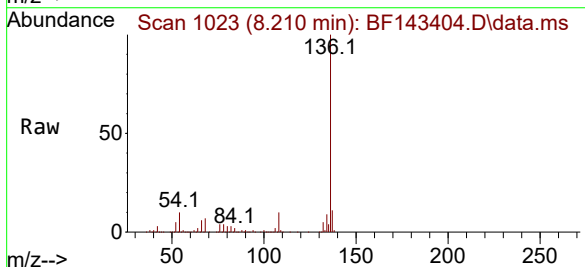
Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

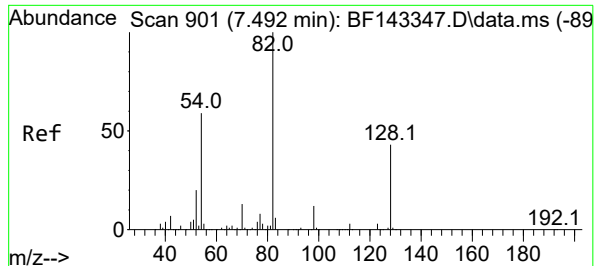
Tgt Ion: 99 Resp: 650411
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 34.2 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion: 136 Resp: 524967
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.0 8.4 12.6
68 7.0 5.9 8.9





#23

Nitrobenzene-d5

Concen: 103.011 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

Instrument :

BNA_F

ClientSampleId :

TW-10PC-W

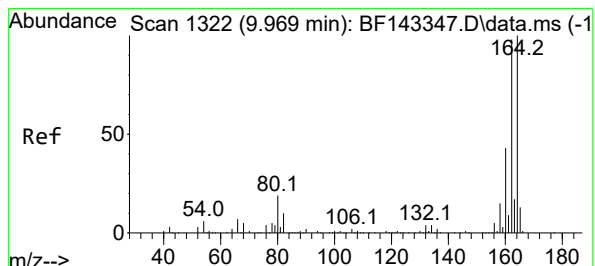
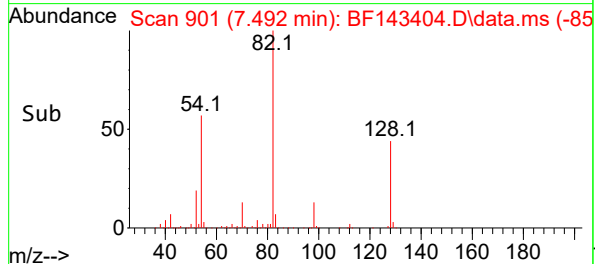
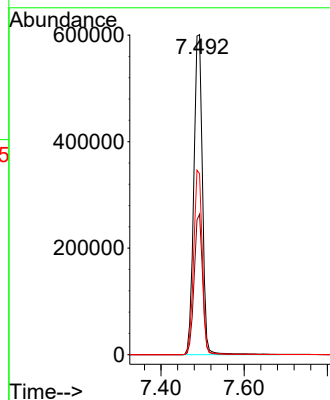
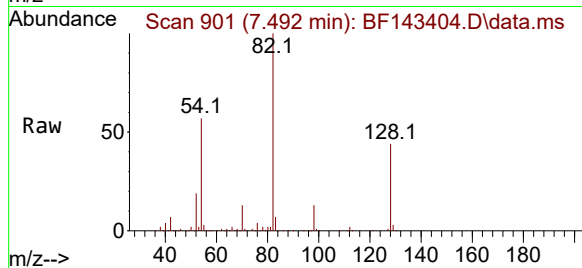
Tgt Ion: 82 Resp: 868383

Ion Ratio Lower Upper

82 100

128 43.9 33.5 50.3

54 56.5 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

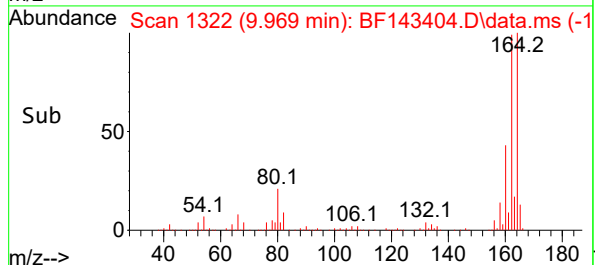
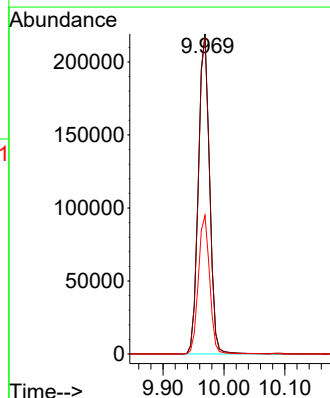
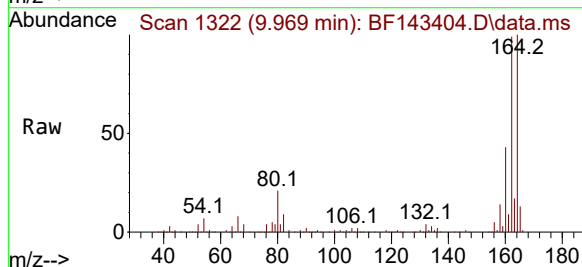
Tgt Ion: 164 Resp: 279779

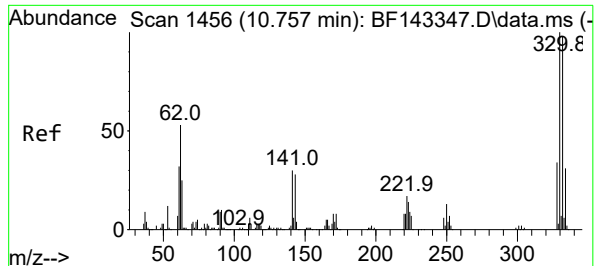
Ion Ratio Lower Upper

164 100

162 99.0 78.6 118.0

160 43.3 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 160.725 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143404.D

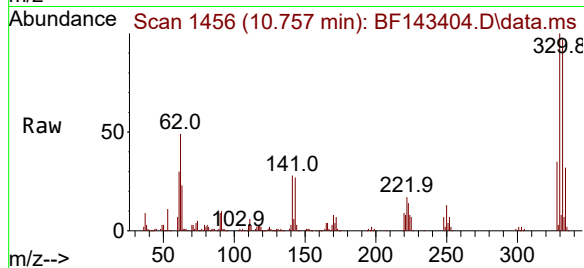
Acq: 15 Aug 2025 06:22

Instrument :

BNA_F

ClientSampleId :

TW-10PC-W



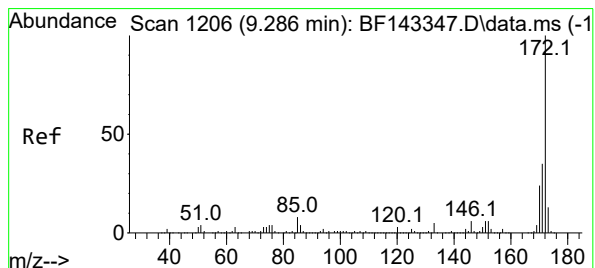
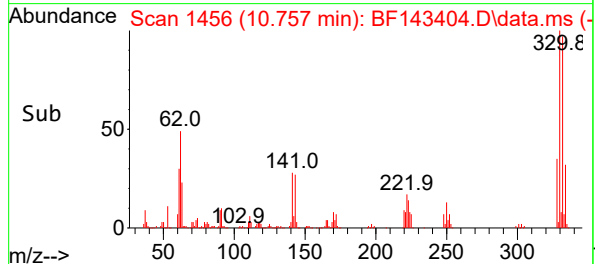
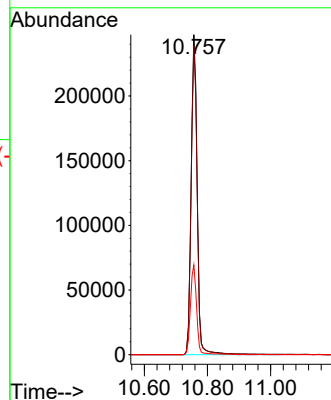
Tgt Ion:330 Resp: 328633

Ion Ratio Lower Upper

330 100

332 96.5 78.1 117.1

141 28.8 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 91.577 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

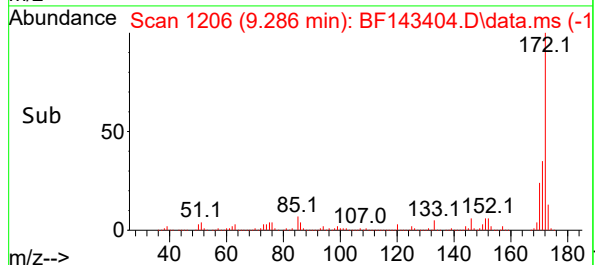
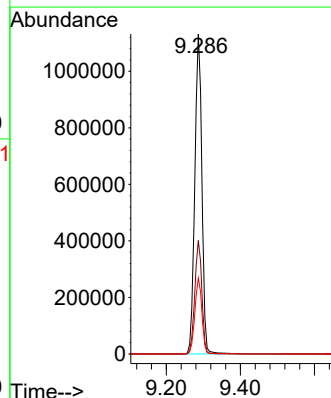
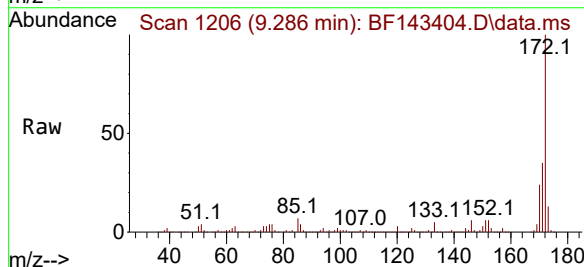
Tgt Ion:172 Resp: 1510905

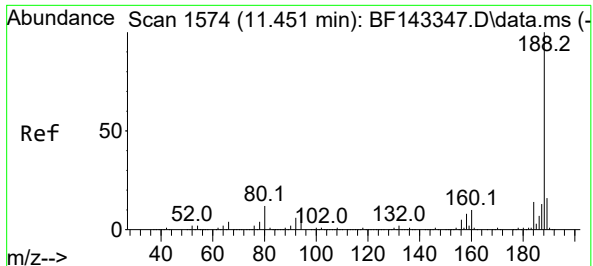
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.7 19.1 28.7

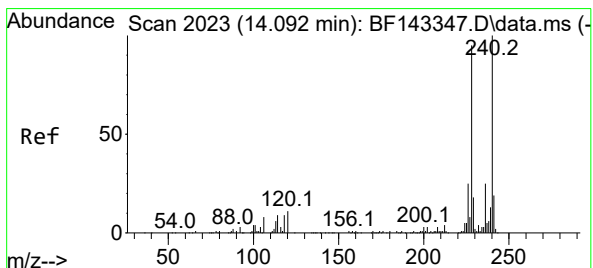
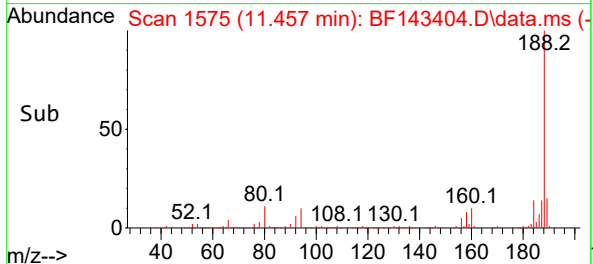
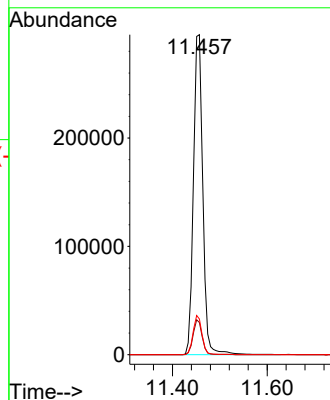
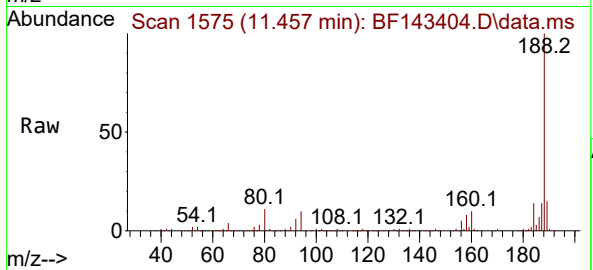




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

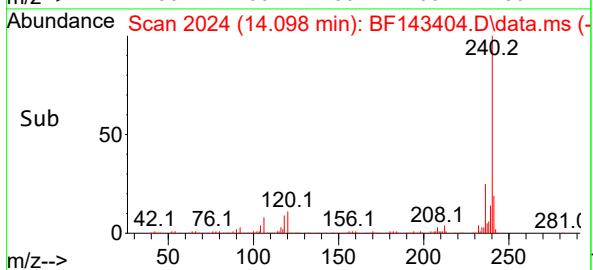
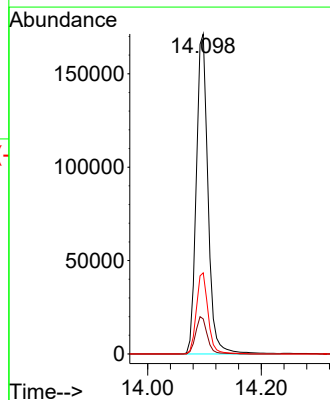
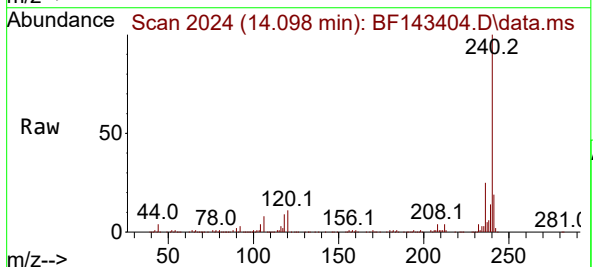
Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

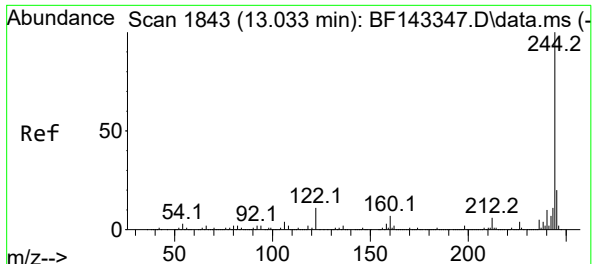
Tgt Ion:188 Resp: 405971
Ion Ratio Lower Upper
188 100
94 10.1 8.8 13.2
80 11.1 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143404.D
Acq: 15 Aug 2025 06:22

Tgt Ion:240 Resp: 246476
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 25.3 19.9 29.9





#79

Terphenyl-d14

Concen: 93.859 ng

RT: 13.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

Instrument :

BNA_F

ClientSampleId :

TW-10PC-W

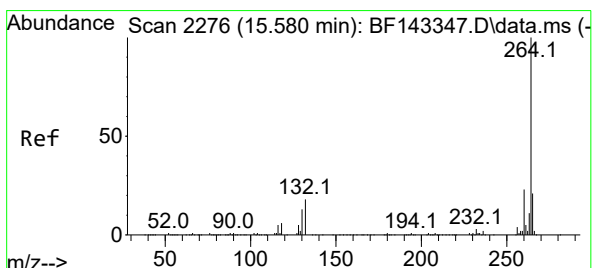
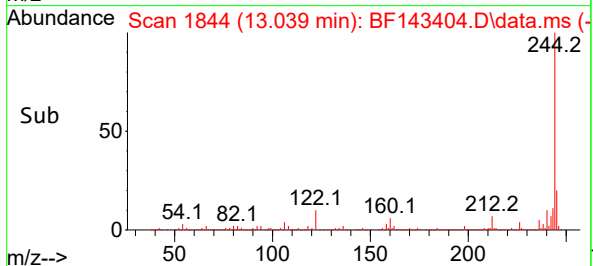
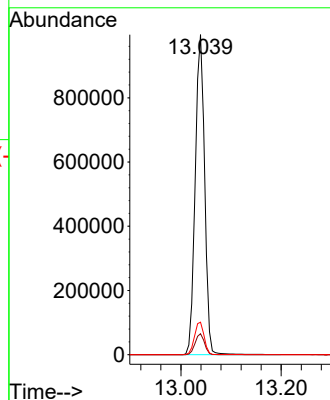
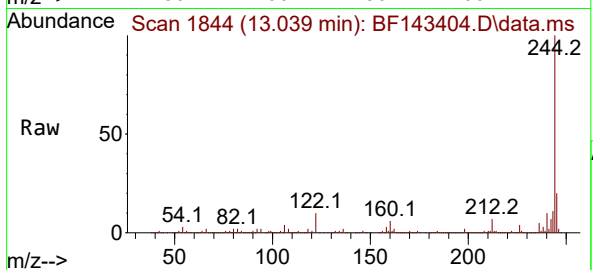
Tgt Ion:244 Resp: 1295774

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 10.1 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143404.D

Acq: 15 Aug 2025 06:22

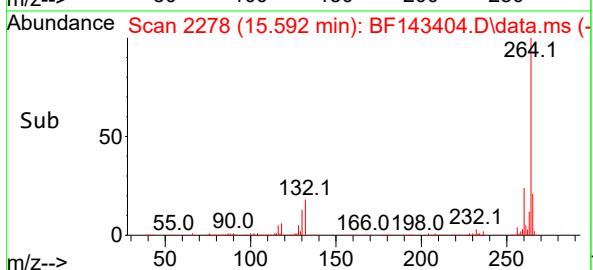
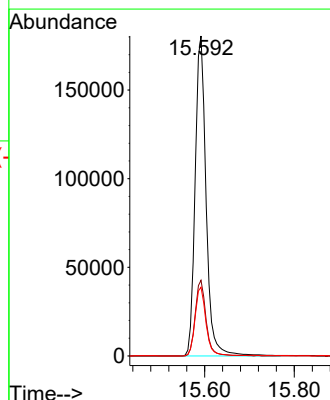
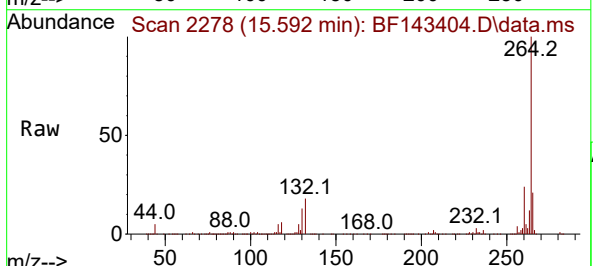
Tgt Ion:264 Resp: 306529

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.5 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143404.D
Acq On : 15 Aug 2025 06:22
Operator : RC/JU
Sample : Q2815-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143404.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.287	6	16	30	rVB	2528977	4262707	97.85%	15.475%
2	5.169	498	506	515	rBV	207129	307533	7.06%	1.116%
3	5.569	569	574	593	rBV	1874233	2465250	56.59%	8.949%
4	6.557	737	742	755	rBV	1389858	1898575	43.58%	6.892%
5	6.934	801	806	813	rBV	653437	817260	18.76%	2.967%
6	7.492	894	901	925	rBV	1807661	2625139	60.26%	9.530%
7	8.210	1018	1023	1040	rBV	796253	1070124	24.56%	3.885%
8	9.286	1200	1206	1211	rBV	3307575	4356499	100.00%	15.815%
9	9.969	1316	1322	1336	rVB	919604	1174990	26.97%	4.266%
10	10.675	1437	1442	1447	rBV	218472	288836	6.63%	1.049%
11	10.722	1447	1450	1451	rBV	74271	73306	1.68%	0.266%
12	10.757	1451	1456	1461	rVB	1770092	2277646	52.28%	8.268%
13	10.986	1490	1495	1500	rBV	47277	62449	1.43%	0.227%
14	11.451	1569	1574	1583	rBV	744395	1010056	23.19%	3.667%
15	13.039	1838	1844	1849	rBV	2606945	3387172	77.75%	12.296%
16	14.098	2018	2024	2036	rVB	452093	642860	14.76%	2.334%
17	15.592	2271	2278	2302	rBV	478085	825848	18.96%	2.998%

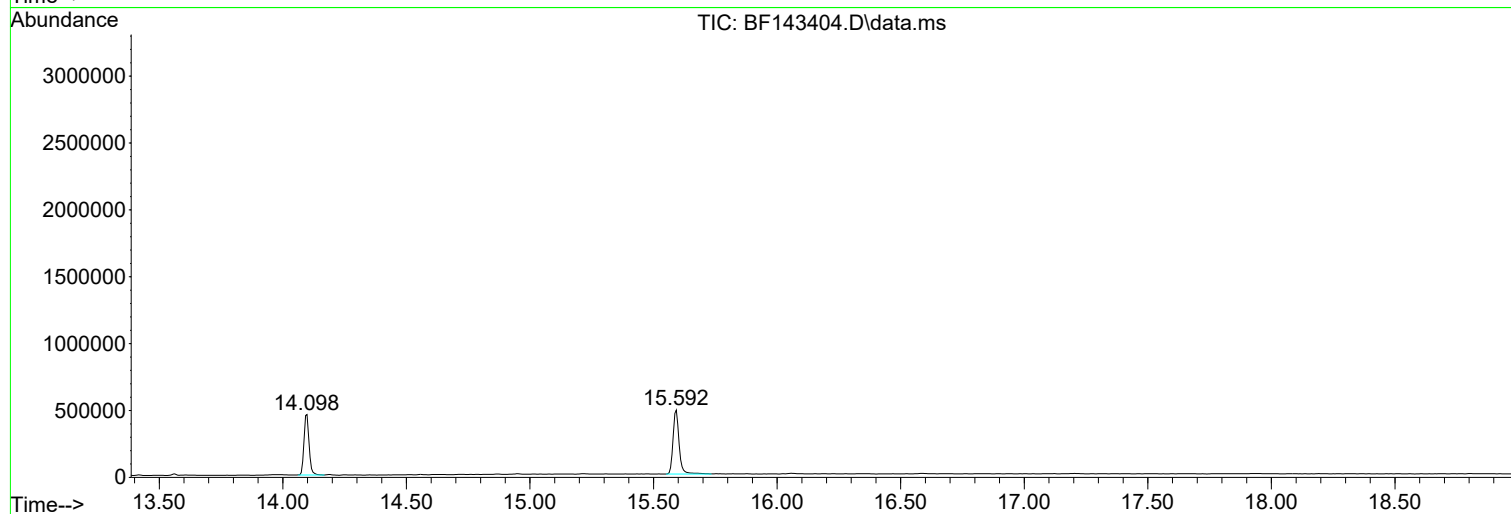
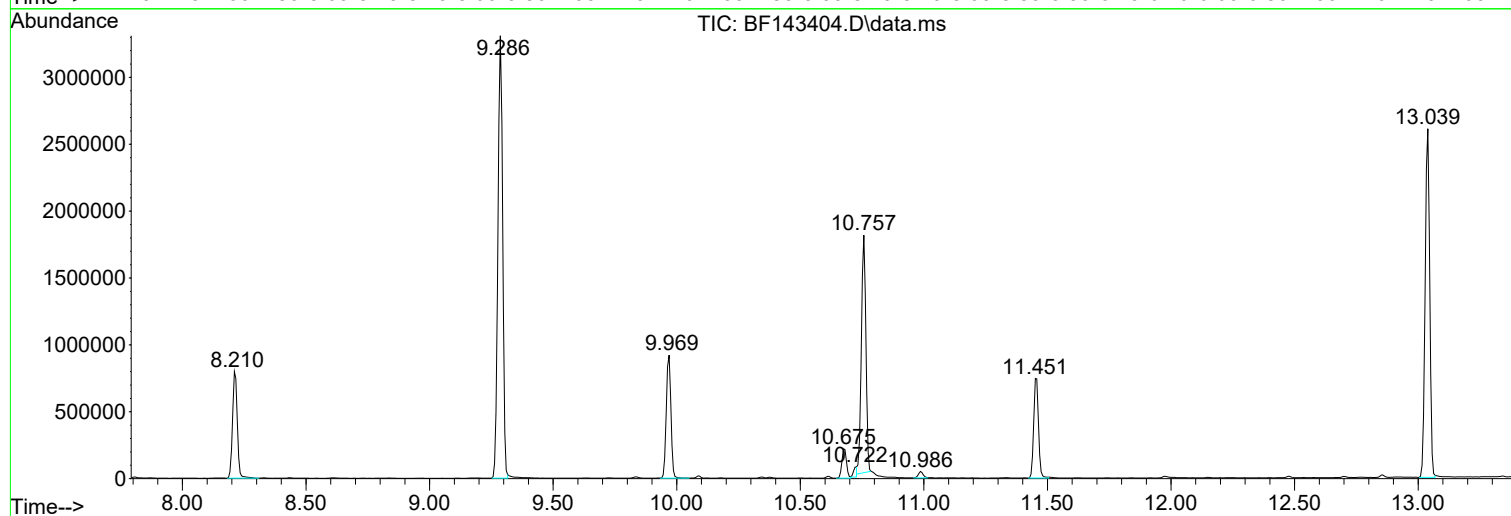
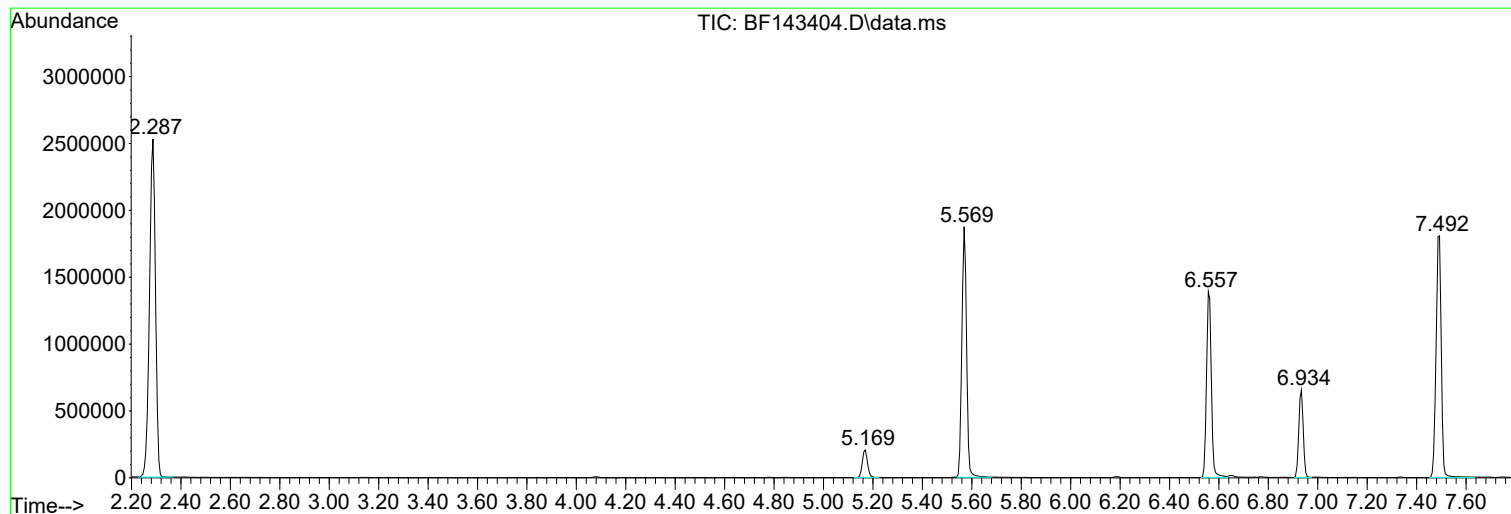
Sum of corrected areas: 27546250

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143404.D
Acq On : 15 Aug 2025 06:22
Operator : RC/JU
Sample : Q2815-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143404.D
Acq On : 15 Aug 2025 06:22
Operator : RC/JU
Sample : Q2815-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

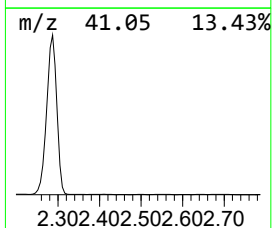
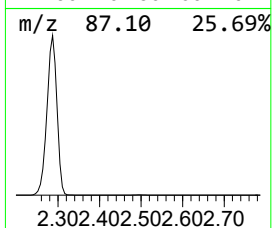
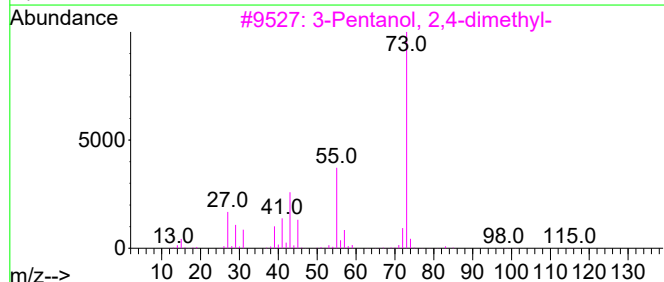
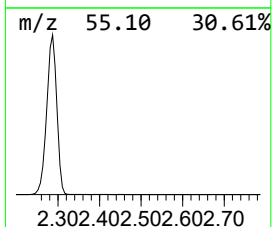
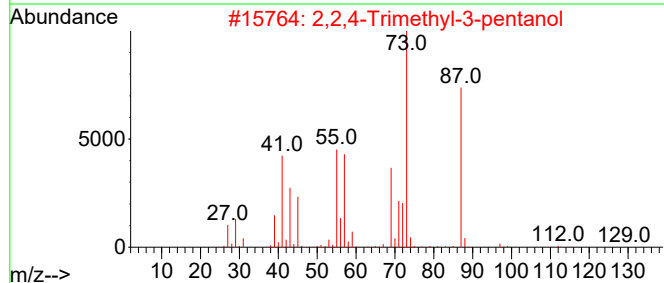
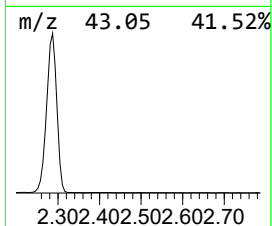
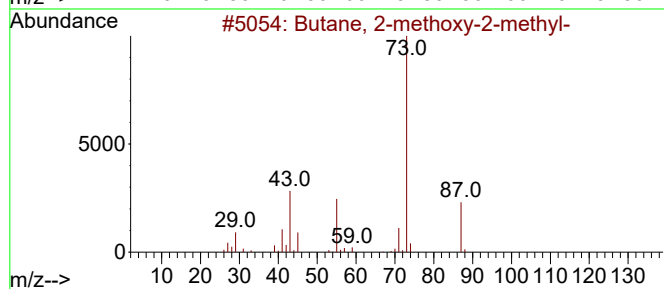
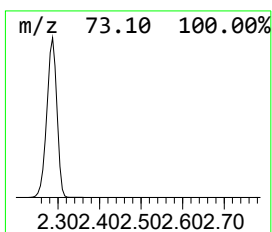
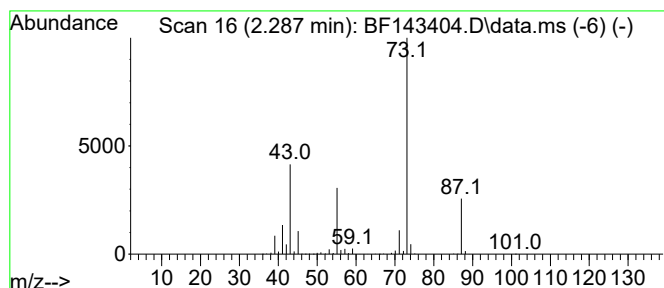
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.287	104.32 ng	4262710	1,4-Dichlorobenzene-d4	6.934

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143404.D
Acq On : 15 Aug 2025 06:22
Operator : RC/JU
Sample : Q2815-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

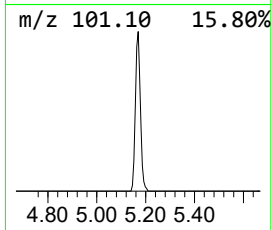
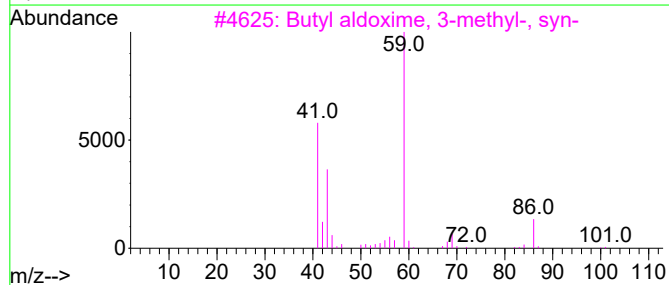
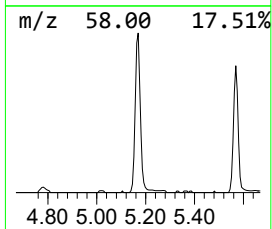
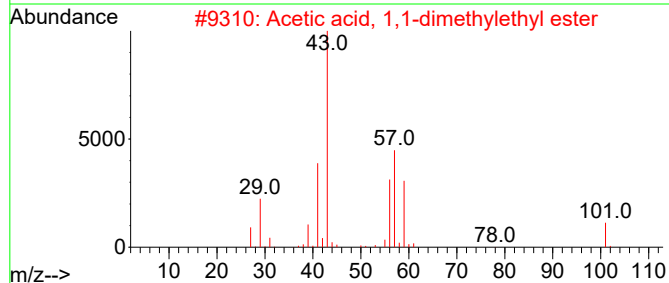
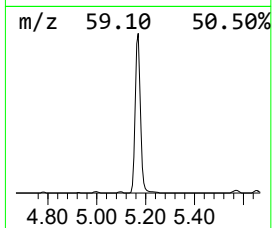
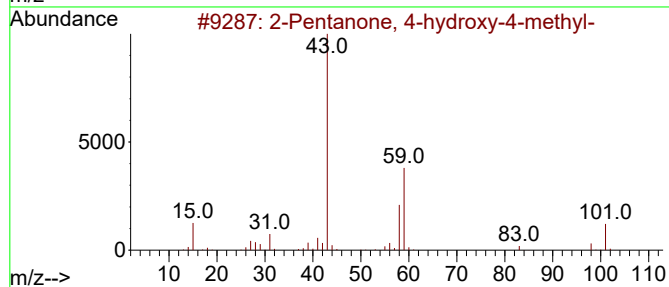
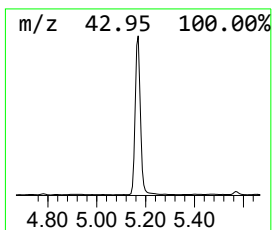
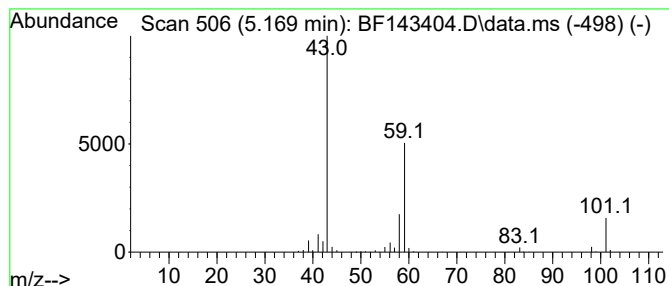
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.169	7.53 ng	307533	1,4-Dichlorobenzene-d4	6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3		Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	23
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143404.D
Acq On : 15 Aug 2025 06:22
Operator : RC/JU
Sample : Q2815-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

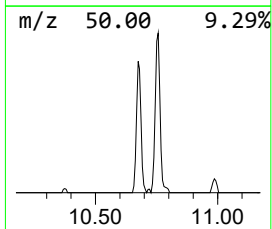
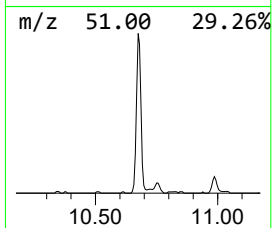
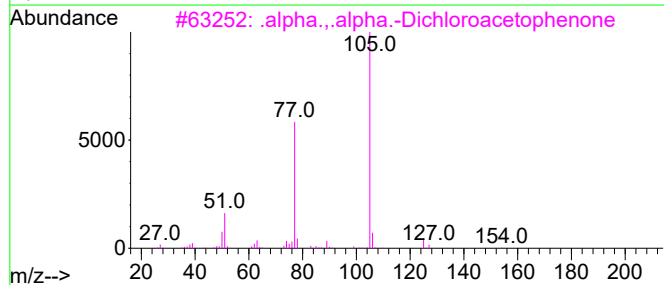
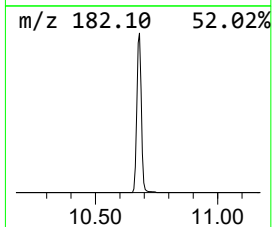
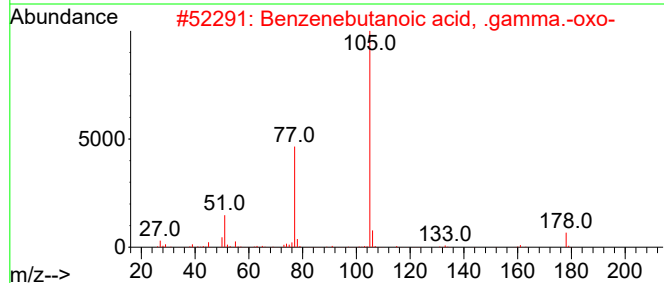
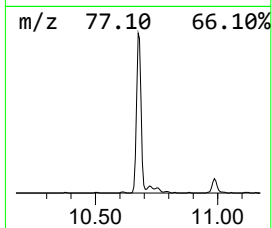
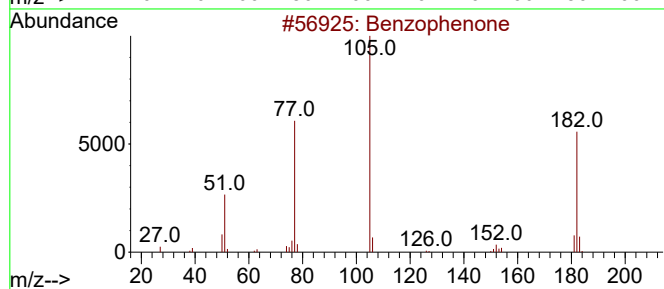
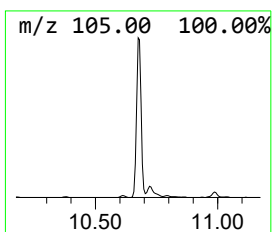
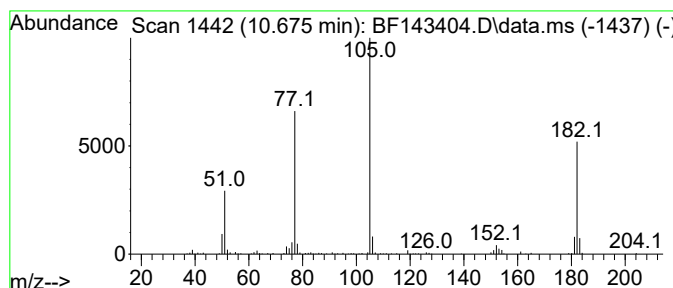
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	4.92 ng	288836	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50
3			.alpha.,.alpha.-Dichloroacetophe...	188	C8H6Cl2O	002648-61-5	50
4			2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	50
5			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143404.D
Acq On : 15 Aug 2025 06:22
Operator : RC/JU
Sample : Q2815-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10PC-W

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

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.287	104.3	ng	4262710	1	6.934	817260	20.0
2-Pentanone, 4-...	5.169	7.5	ng	307533	1	6.934	817260	20.0
Benzophenone	10.675	4.9	ng	288836	3	9.969	1174990	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143405.D	1	08/12/25 11:39	08/15/25 06:51	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143405.D	1	08/12/25 11:39	08/15/25 06:51	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143405.D	1	08/12/25 11:39	08/15/25 06:51	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	95.0		19 - 119		63%	SPK: 150
13127-88-3	Phenol-d6	78.8		10 - 130		53%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.2		44 - 120		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.9		44 - 119		83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		43 - 140		100%	SPK: 150
1718-51-0	Terphenyl-d14	72.0		50 - 134		72%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	142000		6.934			
1146-65-2	Naphthalene-d8	539000		8.21			
15067-26-2	Acenaphthene-d10	291000		9.969			
1517-22-2	Phenanthrene-d10	417000		11.457			
1719-03-5	Chrysene-d12	249000		14.098			
1520-96-3	Perylene-d12	315000		15.592			
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	91.5	J			2.29	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	11.7	AB			5.17	ug/L
000119-61-9	Benzophenone	5.10	J			10.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.20	J			12.0	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143405.D	1	08/12/25 11:39	08/15/25 06:51	PB169230

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143405.D
Acq On : 15 Aug 2025 06:51
Operator : RC/JU
Sample : Q2815-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-E

Quant Time: Aug 15 07:48:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	142072	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	539316	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	291303	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	417383	20.000	ng	0.00
76) Chrysene-d12	14.098	240	249094	20.000	ng	0.00
86) Perylene-d12	15.592	264	314728	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	780126	94.955	ng	0.00
7) Phenol-d6	6.563	99	830604	78.837	ng	0.00
23) Nitrobenzene-d5	7.492	82	807058	93.189	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	318911	149.800	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1424272	82.911	ng	0.00
79) Terphenyl-d14	13.039	244	1004920	72.026	ng	0.00

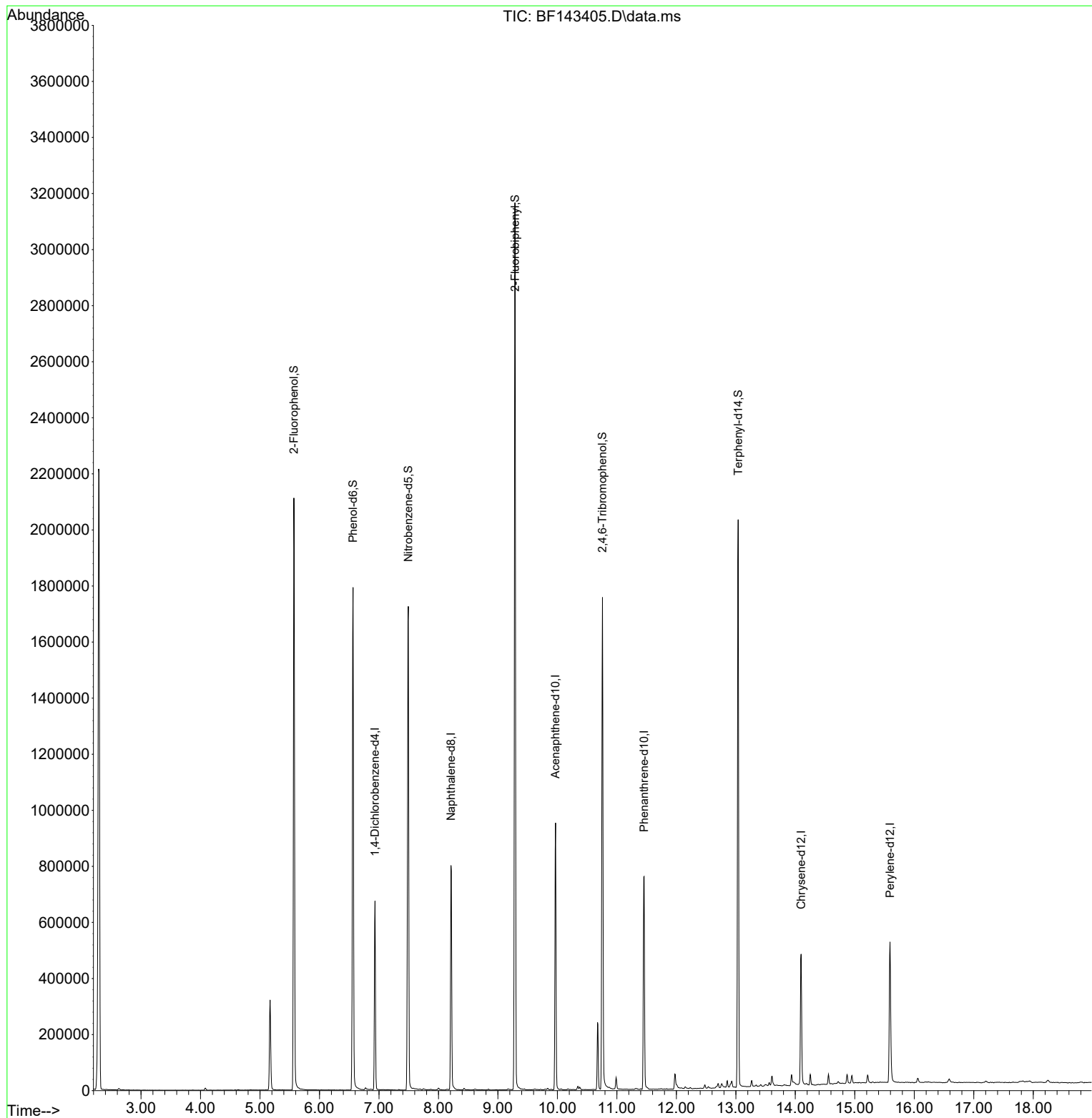
Target Compounds	Qvalue
------------------	--------

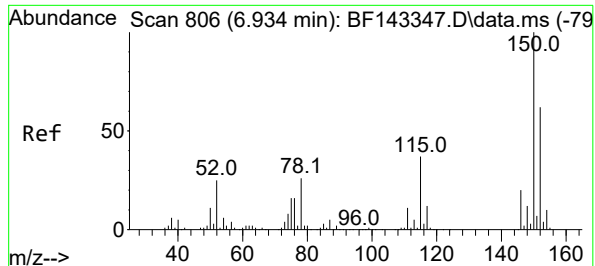
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143405.D
Acq On : 15 Aug 2025 06:51
Operator : RC/JU
Sample : Q2815-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-E

Quant Time: Aug 15 07:48:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

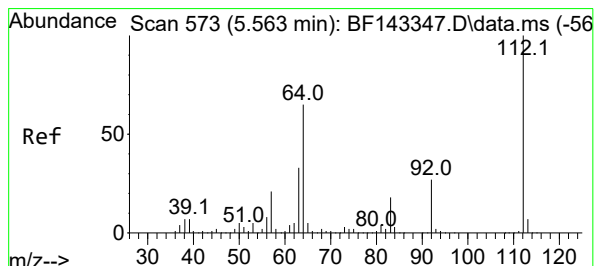
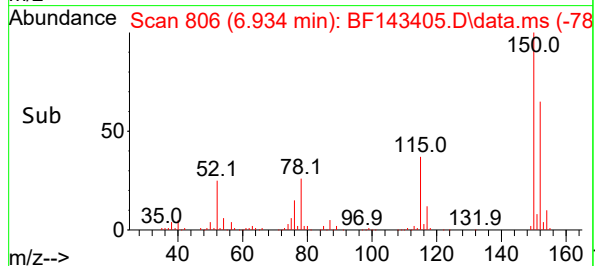
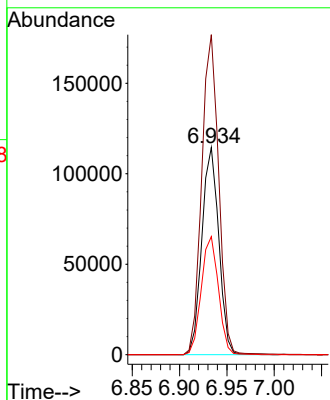
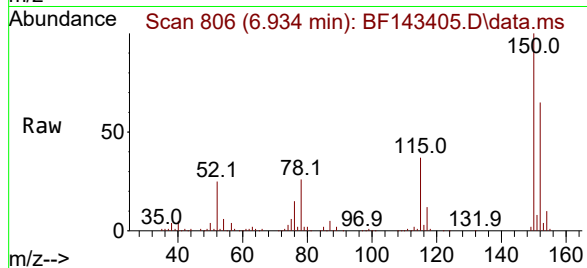




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143405.D
Acq: 15 Aug 2025 06:51

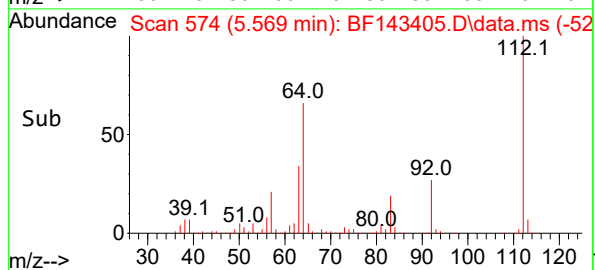
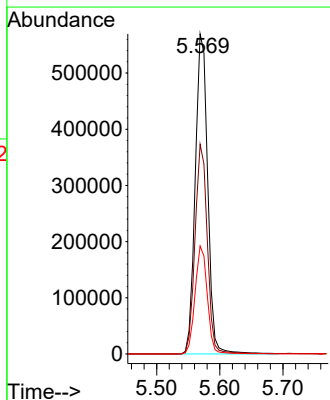
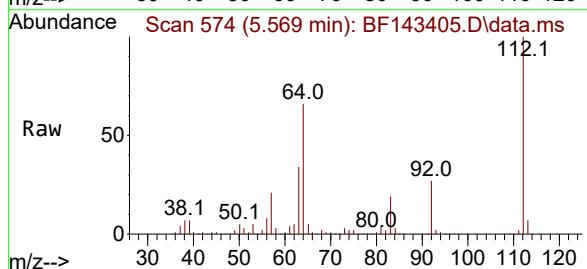
Instrument :
BNA_F
ClientSampleId :
TW-10P-E

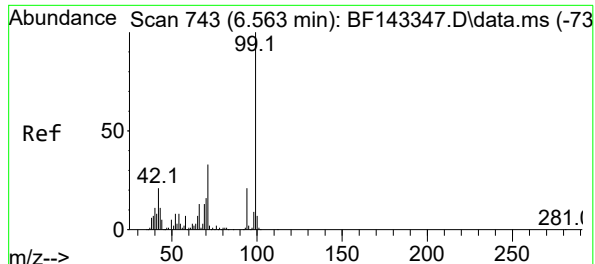
Tgt Ion:152 Resp: 142072
Ion Ratio Lower Upper
152 100
150 154.5 129.8 194.8
115 57.0 47.8 71.8



#5
2-Fluorophenol
Concen: 94.955 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143405.D
Acq: 15 Aug 2025 06:51

Tgt Ion:112 Resp: 780126
Ion Ratio Lower Upper
112 100
64 65.5 52.1 78.1
63 33.8 26.6 39.8

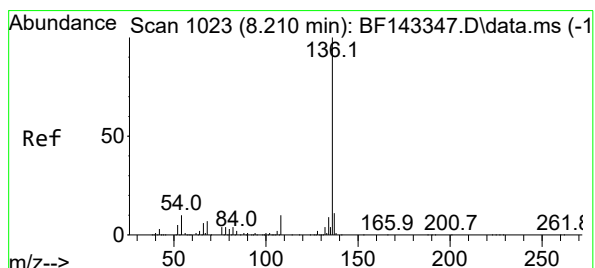
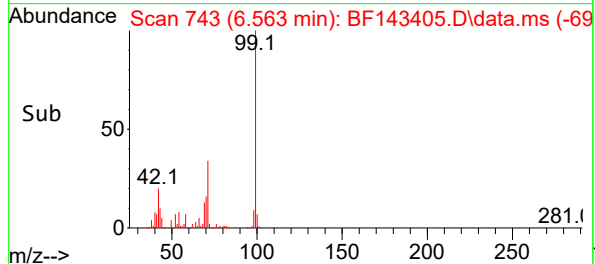
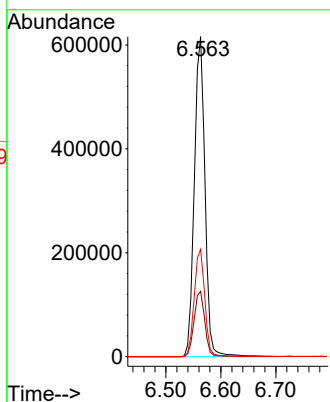
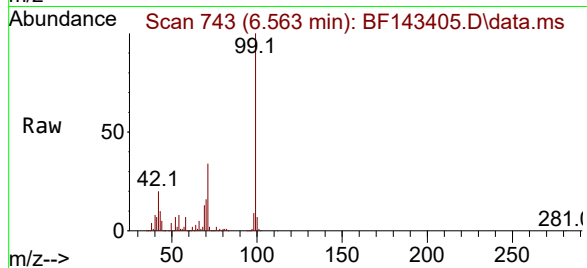




#7
Phenol-d6
Concen: 78.837 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143405.D
Acq: 15 Aug 2025 06:51

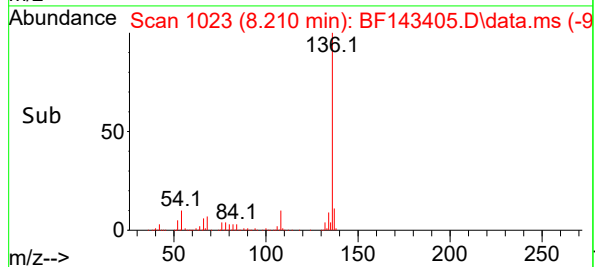
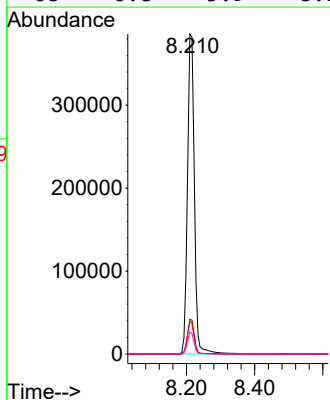
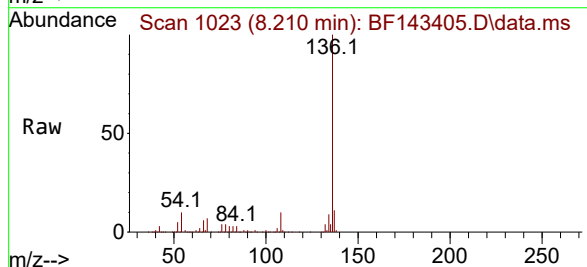
Instrument :
BNA_F
ClientSampleId :
TW-10P-E

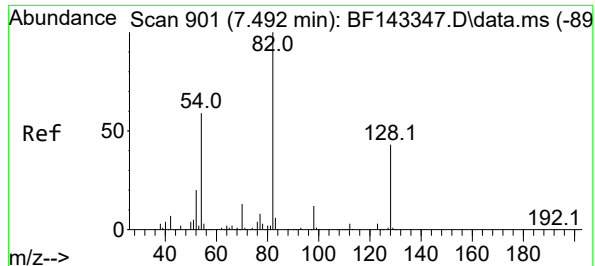
Tgt Ion: 99 Resp: 830604
Ion Ratio Lower Upper
99 100
42 20.4 16.6 25.0
71 33.6 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143405.D
Acq: 15 Aug 2025 06:51

Tgt Ion: 136 Resp: 539316
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.2 8.4 12.6
68 6.8 5.9 8.9





#23

Nitrobenzene-d5

Concen: 93.189 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143405.D

Acq: 15 Aug 2025 06:51

Instrument :

BNA_F

ClientSampleId :

TW-10P-E

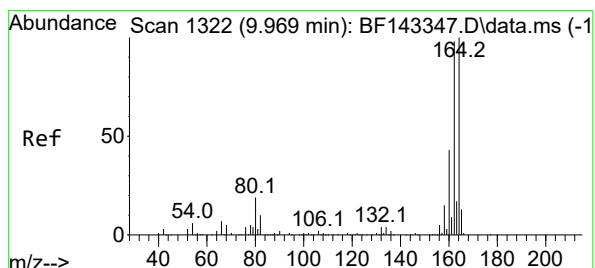
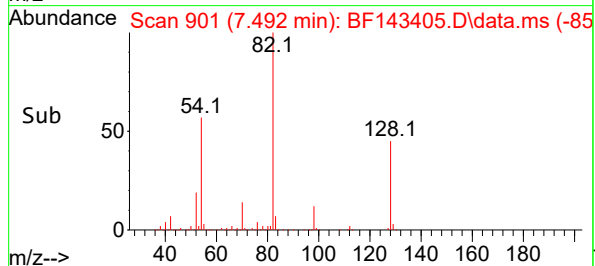
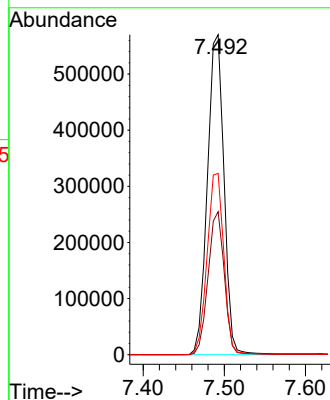
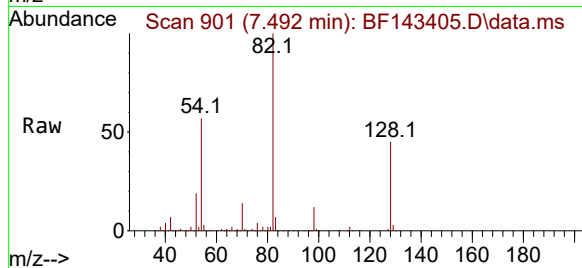
Tgt Ion: 82 Resp: 807058

Ion Ratio Lower Upper

82 100

128 44.7 33.5 50.3

54 56.6 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143405.D

Acq: 15 Aug 2025 06:51

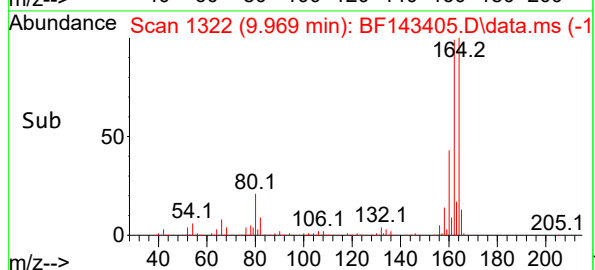
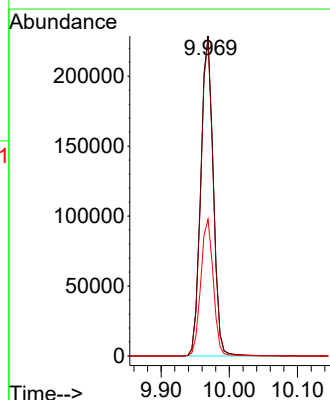
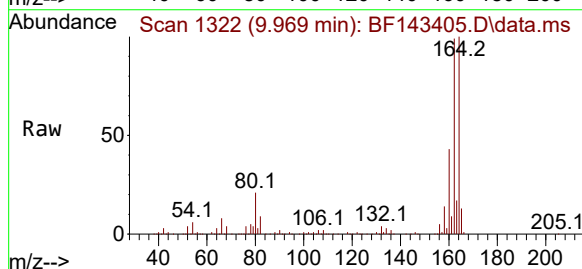
Tgt Ion: 164 Resp: 291303

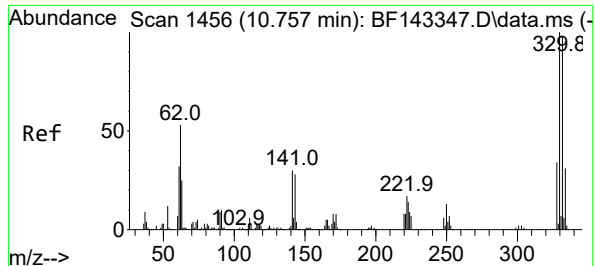
Ion Ratio Lower Upper

164 100

162 98.6 78.6 118.0

160 42.7 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 149.800 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143405.D

Acq: 15 Aug 2025 06:51

Instrument :

BNA_F

ClientSampleId :

TW-10P-E

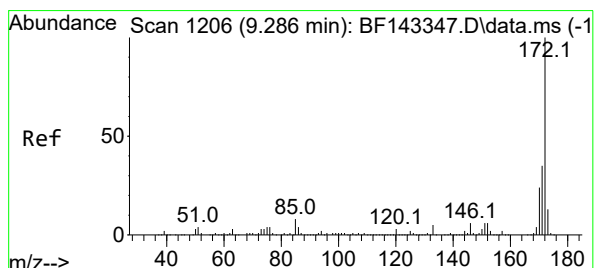
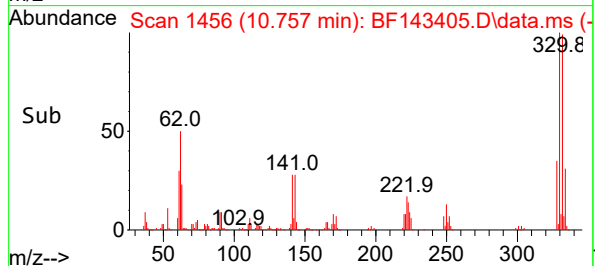
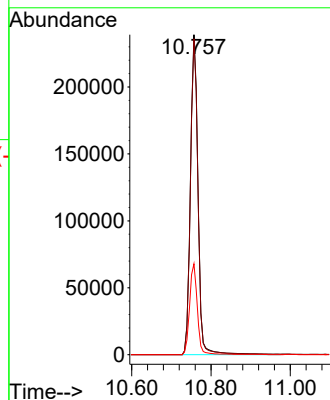
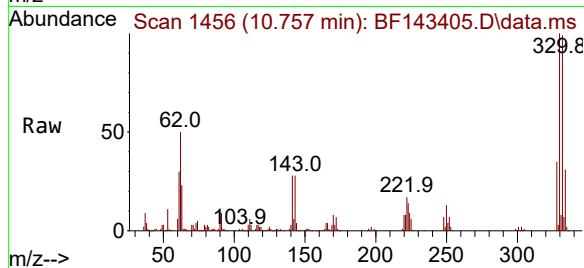
Tgt Ion:330 Resp: 318911

Ion Ratio Lower Upper

330 100

332 98.3 78.1 117.1

141 29.3 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 82.911 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143405.D

Acq: 15 Aug 2025 06:51

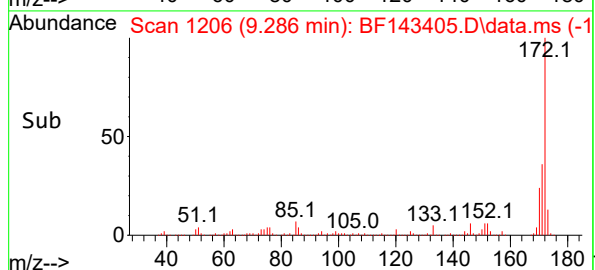
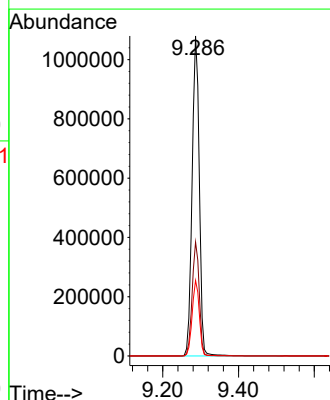
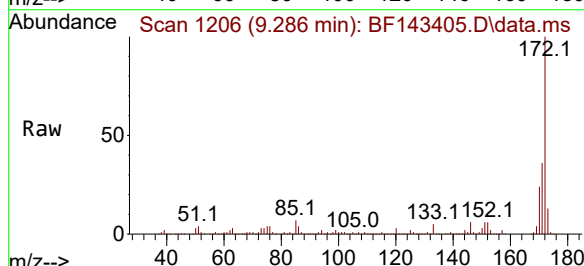
Tgt Ion:172 Resp: 1424272

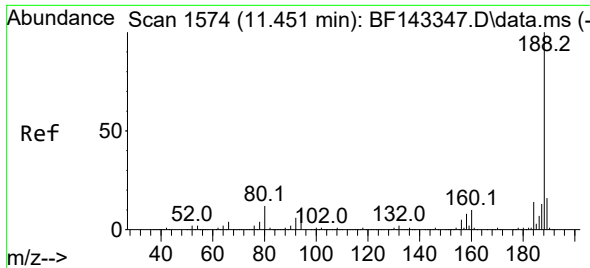
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.6 19.1 28.7

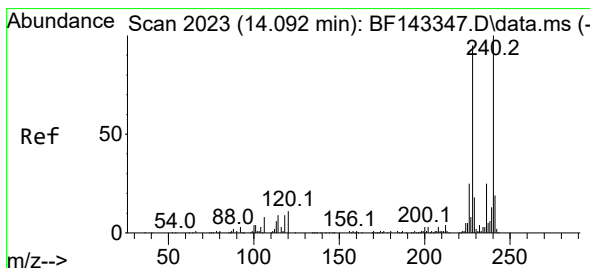
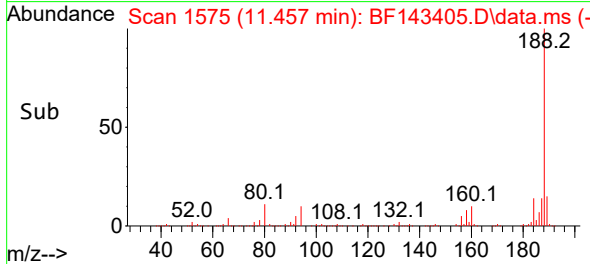
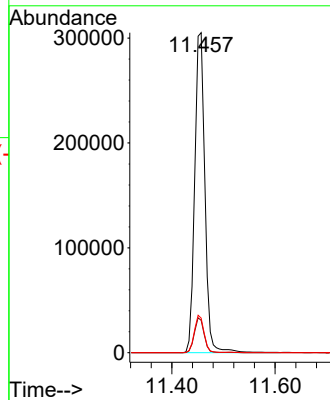
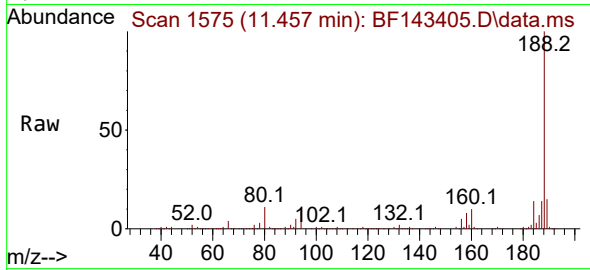




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143405.D
Acq: 15 Aug 2025 06:51

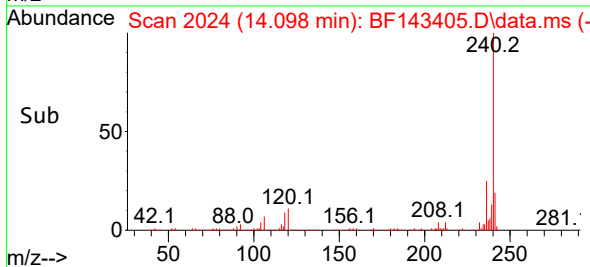
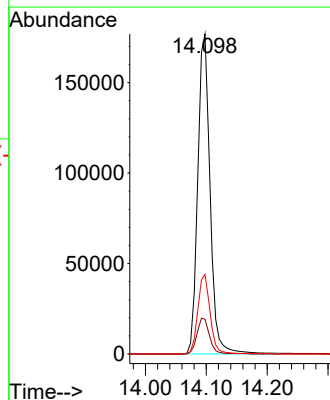
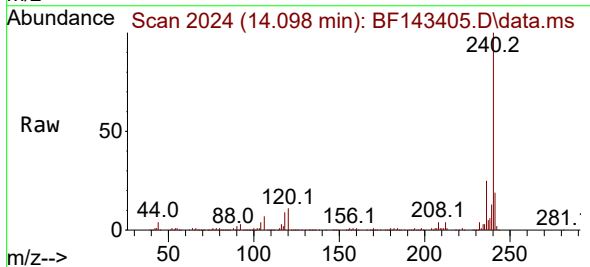
Instrument :
BNA_F
ClientSampleId :
TW-10P-E

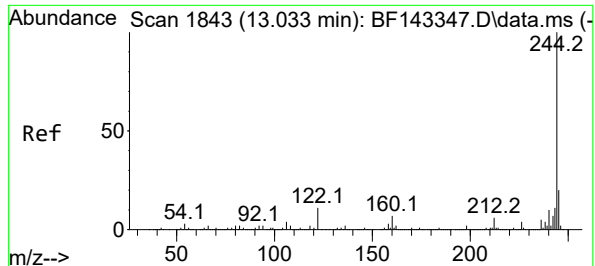
Tgt Ion:188 Resp: 417383
Ion Ratio Lower Upper
188 100
94 10.1 8.8 13.2
80 10.8 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143405.D
Acq: 15 Aug 2025 06:51

Tgt Ion:240 Resp: 249094
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 24.8 19.9 29.9





#79

Terphenyl-d14

Concen: 72.026 ng

RT: 13.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143405.D

Acq: 15 Aug 2025 06:51

Instrument :

BNA_F

ClientSampleId :

TW-10P-E

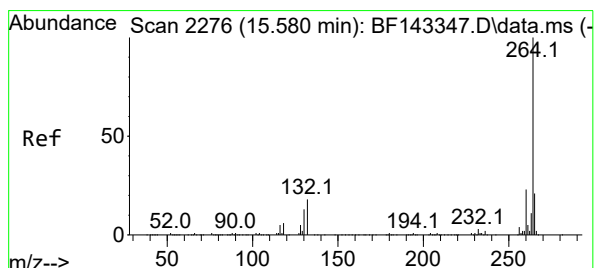
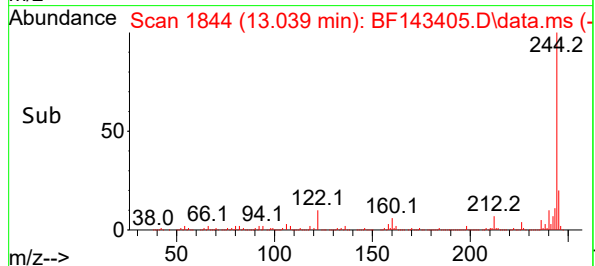
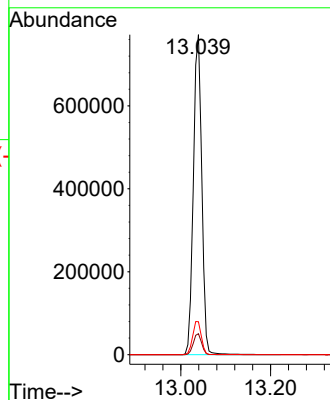
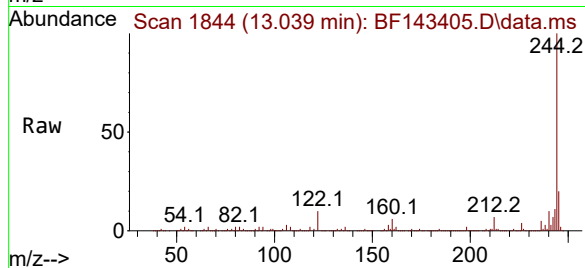
Tgt Ion:244 Resp: 1004920

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.3 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143405.D

Acq: 15 Aug 2025 06:51

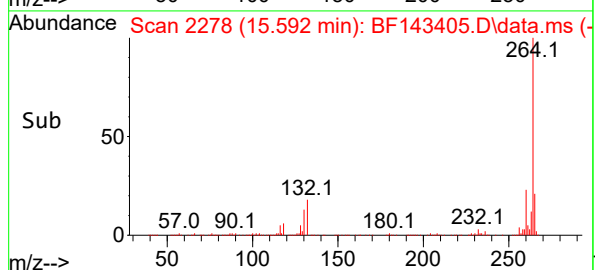
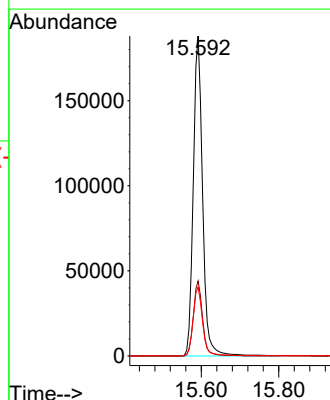
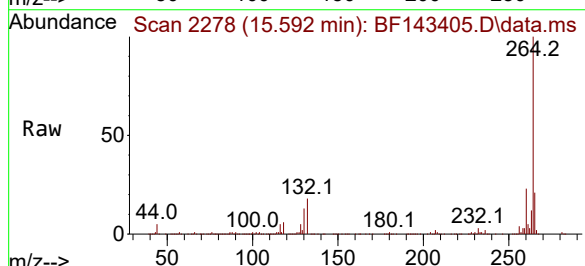
Tgt Ion:264 Resp: 314728

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.5 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143405.D
Acq On : 15 Aug 2025 06:51
Operator : RC/JU
Sample : Q2815-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143405.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.287	6	16	33	rVB	2214234	3856316	93.93%	13.920%
2	5.169	498	506	524	rBV	321157	491415	11.97%	1.774%
3	5.569	569	574	594	rBV	2111436	2861629	69.70%	10.330%
4	6.563	737	743	766	rBV	1792669	2433787	59.28%	8.785%
5	6.934	801	806	814	rBV	673504	843137	20.54%	3.043%
6	7.492	894	901	912	rBV	1724961	2445527	59.56%	8.828%
7	8.210	1018	1023	1041	rVB	800026	1098149	26.75%	3.964%
8	9.286	1200	1206	1211	rBV	3163581	4105728	100.00%	14.820%
9	9.969	1316	1322	1334	rBV	951787	1215557	29.61%	4.388%
10	10.674	1437	1442	1450	rBV	239197	312127	7.60%	1.127%
11	10.757	1450	1456	1473	rBV	1754304	2356904	57.41%	8.508%
12	10.986	1490	1495	1504	rVB	40531	54172	1.32%	0.196%
13	11.457	1569	1575	1590	rBV	759573	1039413	25.32%	3.752%
14	11.974	1658	1663	1678	rBV2	53938	113757	2.77%	0.411%
15	12.933	1818	1826	1833	rBV3	21258	41132	1.00%	0.148%
16	13.039	1838	1844	1856	rBV	2025003	2646944	64.47%	9.555%
17	13.610	1936	1941	1949	rVB	32640	51401	1.25%	0.186%
18	13.933	1992	1996	2000	rBV	38241	57957	1.41%	0.209%
19	14.098	2018	2024	2035	rVB	464378	647543	15.77%	2.337%
20	14.251	2046	2050	2055	rBV	36546	46698	1.14%	0.169%
21	14.557	2098	2102	2107	rBV	35282	45084	1.10%	0.163%
22	14.868	2151	2155	2163	rBV	31269	44686	1.09%	0.161%
23	15.215	2210	2214	2224	rVB	27429	43935	1.07%	0.159%
24	15.592	2272	2278	2294	rBV	500446	850442	20.71%	3.070%

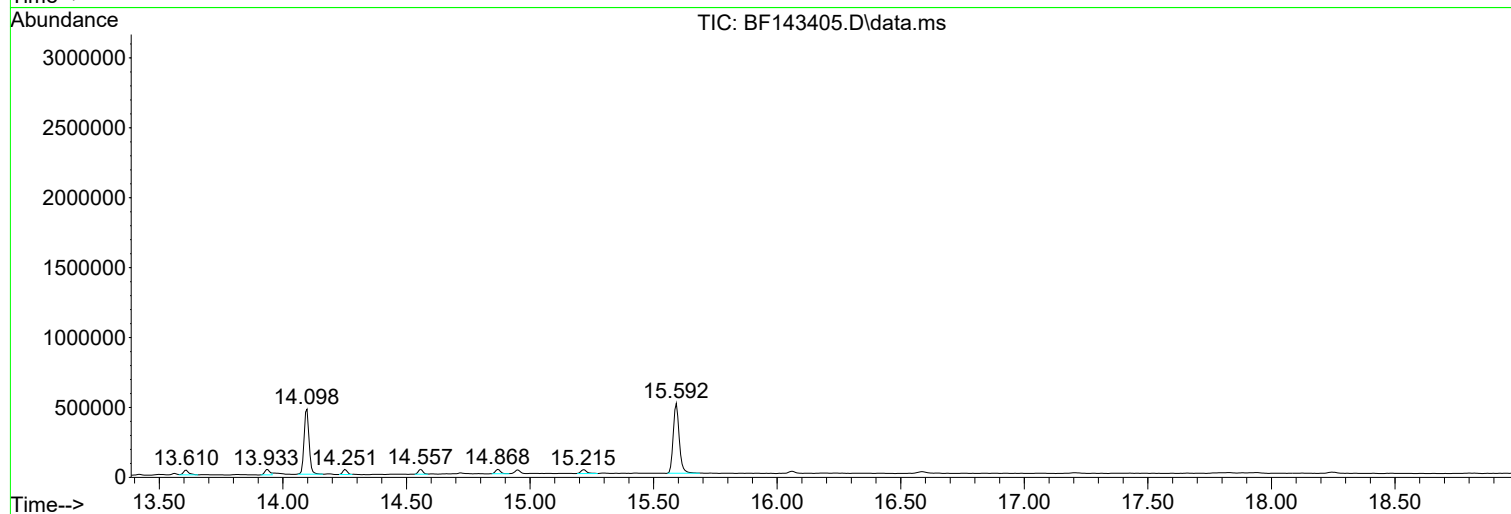
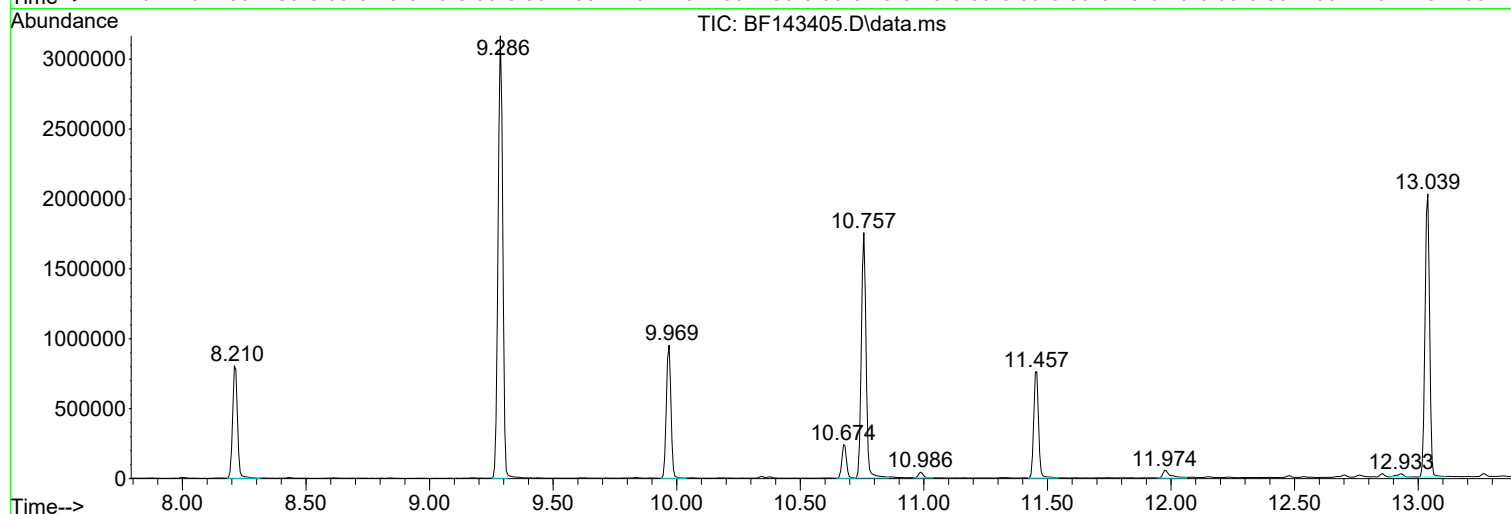
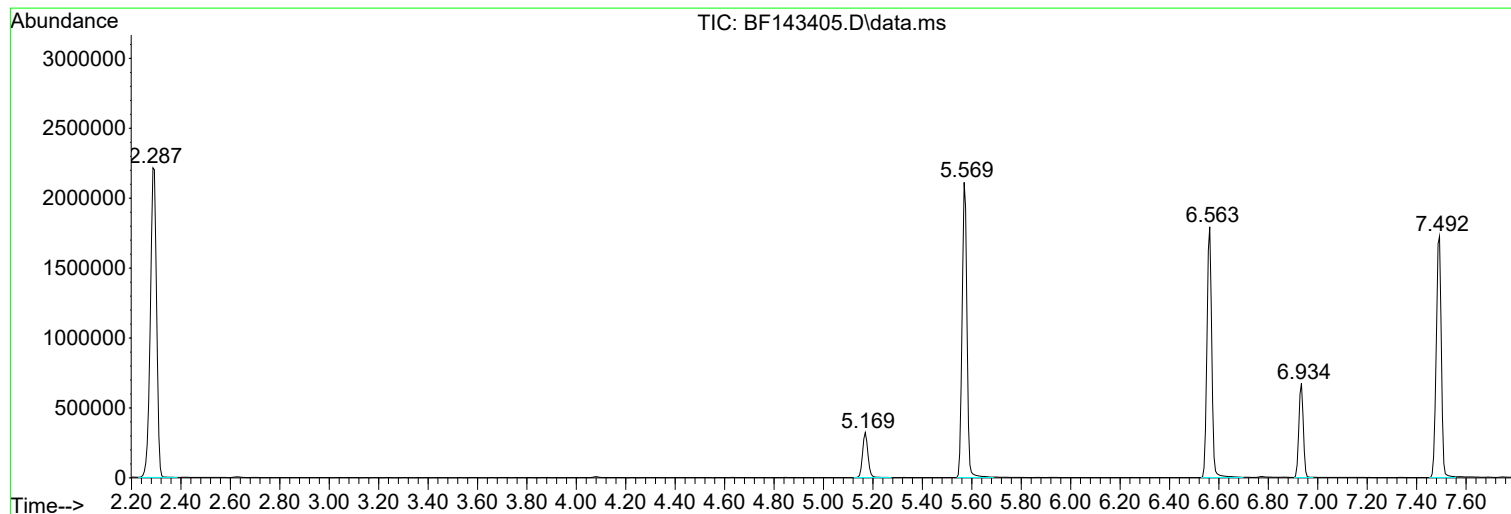
Sum of corrected areas: 27703440

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143405.D
Acq On : 15 Aug 2025 06:51
Operator : RC/JU
Sample : Q2815-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-E

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143405.D
Acq On : 15 Aug 2025 06:51
Operator : RC/JU
Sample : Q2815-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-E

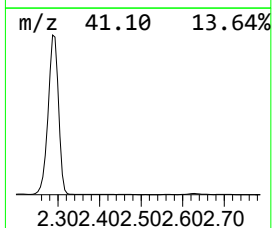
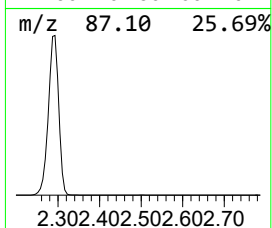
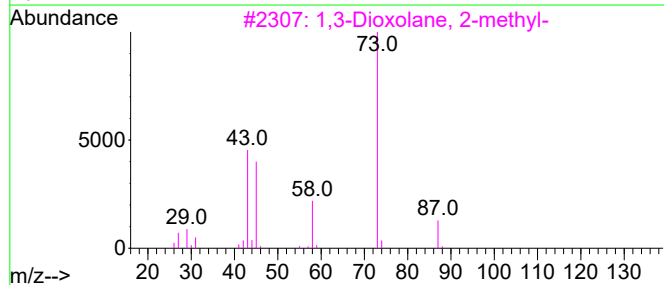
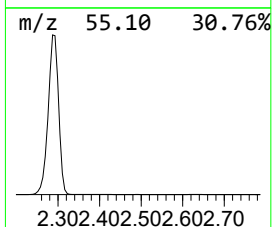
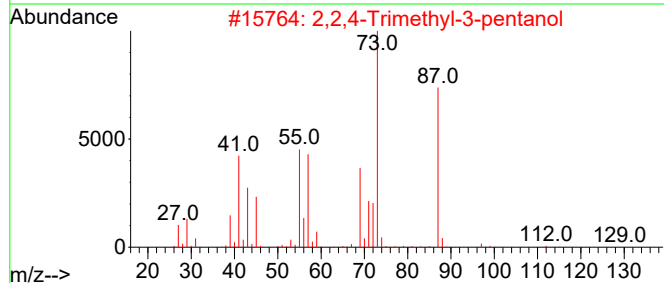
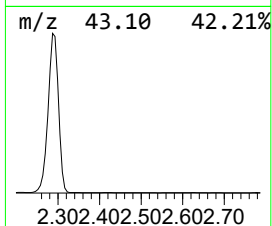
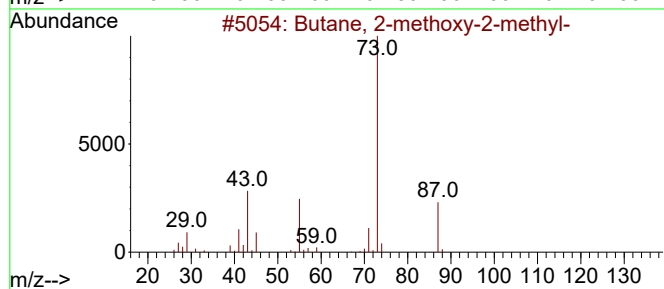
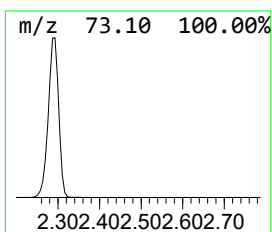
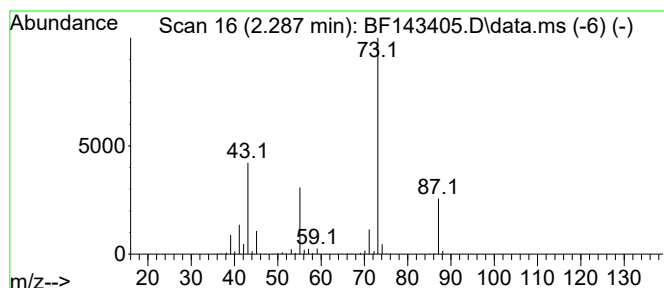
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.287	91.48 ng	3856320	1,4-Dichlorobenzene-d4	6.934

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143405.D
Acq On : 15 Aug 2025 06:51
Operator : RC/JU
Sample : Q2815-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

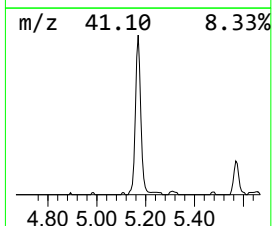
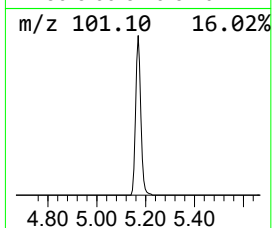
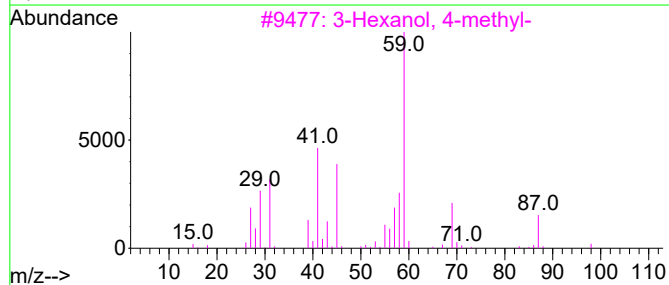
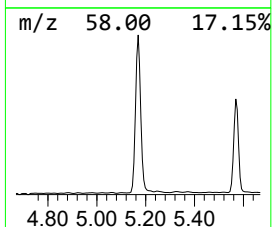
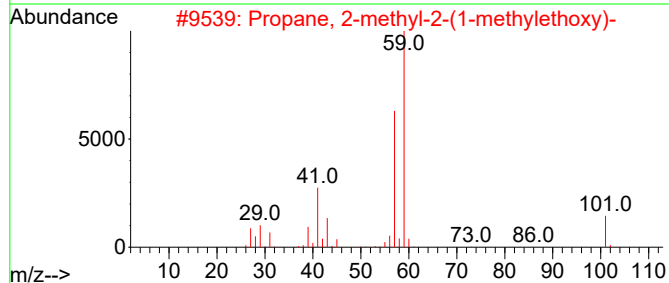
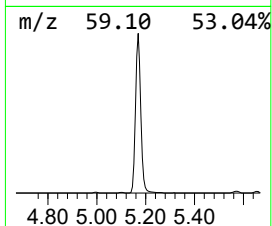
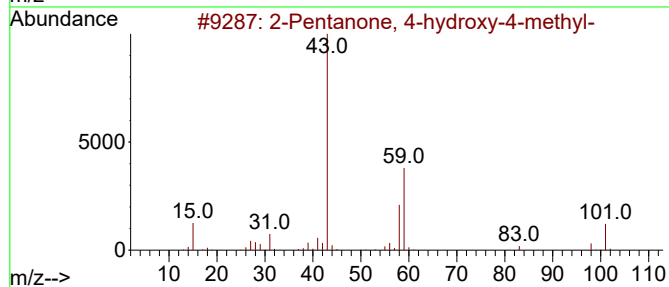
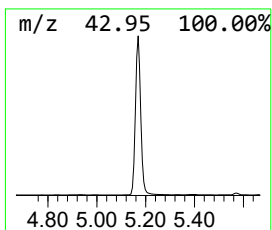
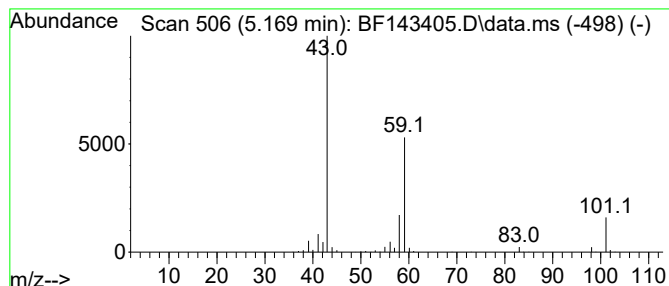
Instrument :
BNA_F
ClientSampleId :
TW-10P-E

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

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.169	11.66 ng	491415	1,4-Dichlorobenzene-d4			6.934
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...		116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-		116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-		116	C7H16O	000625-23-0	33
5	2,3-Butanedione, monooxime		101	C4H7NO2	000057-71-6	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143405.D
Acq On : 15 Aug 2025 06:51
Operator : RC/JU
Sample : Q2815-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-E

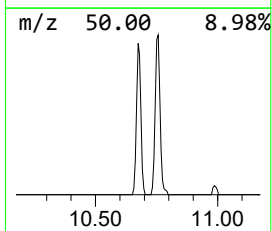
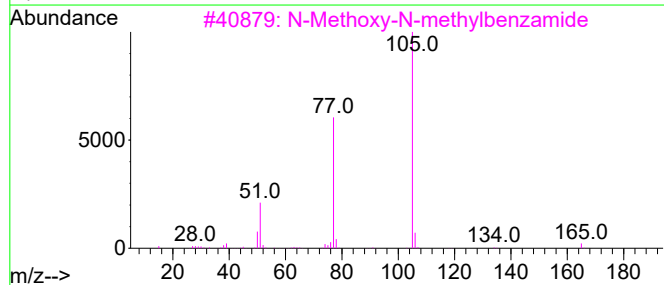
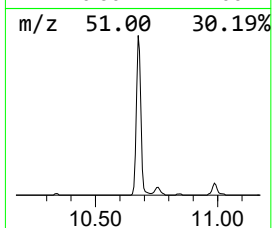
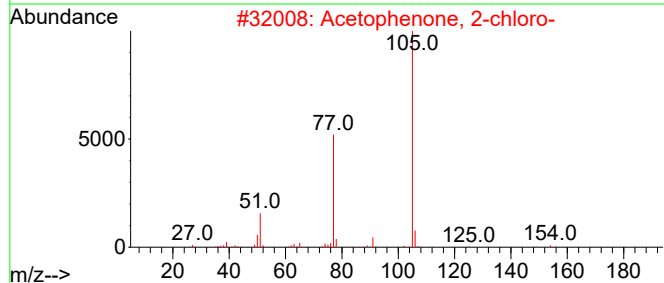
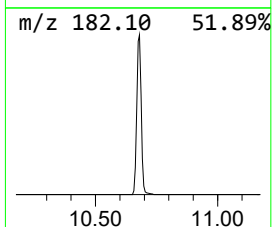
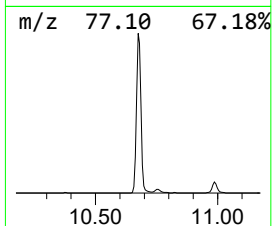
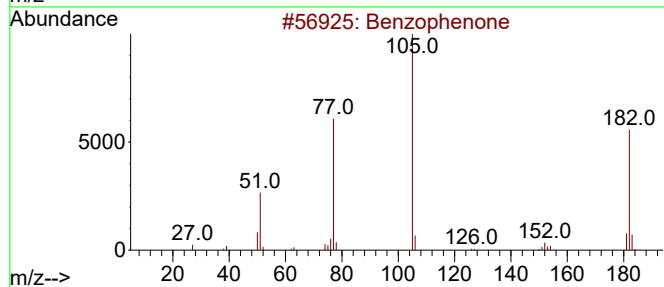
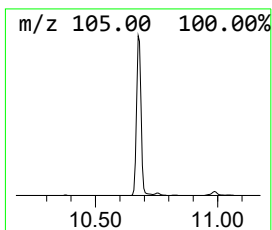
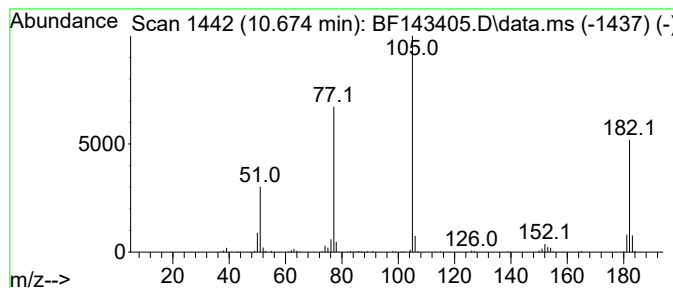
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	5.14 ng	312127	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	47
3			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
4			Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
5			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143405.D
Acq On : 15 Aug 2025 06:51
Operator : RC/JU
Sample : Q2815-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-E

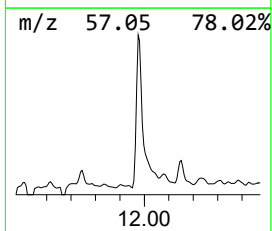
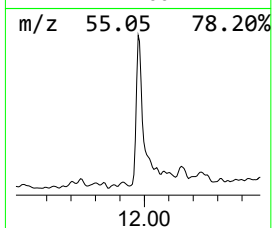
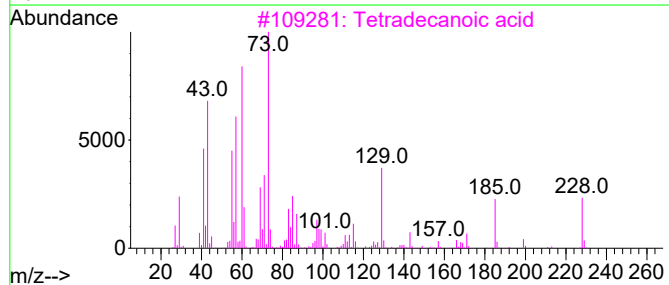
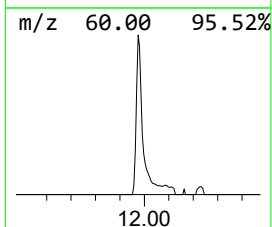
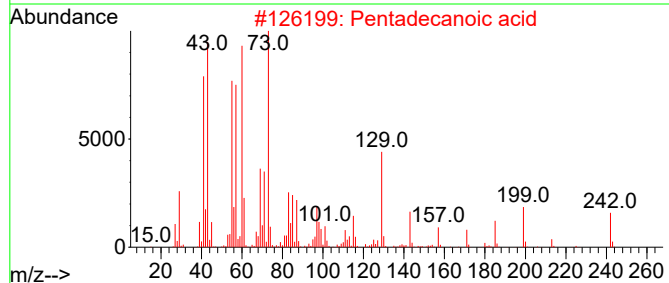
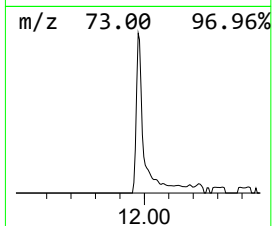
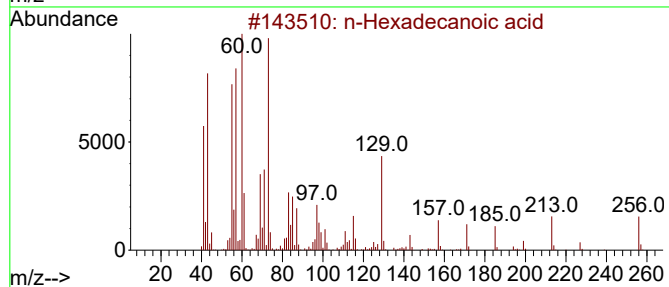
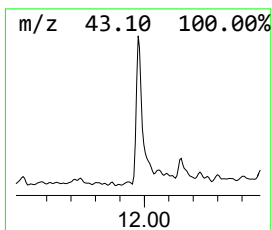
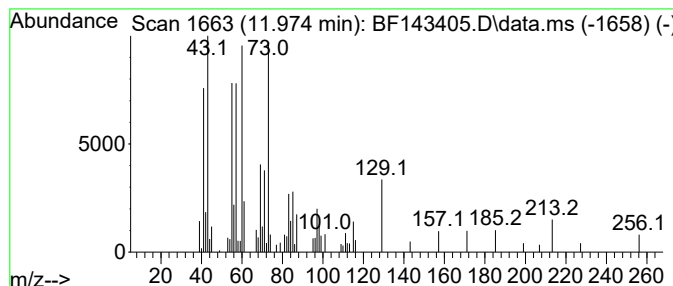
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	2.19 ng	113757	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4			Tridecanoic acid	214	C13H26O2	000638-53-9	64
5			Undecanoic acid	186	C11H22O2	000112-37-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143405.D
Acq On : 15 Aug 2025 06:51
Operator : RC/JU
Sample : Q2815-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-E

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.287	91.5	ng	3856320	1	6.934	843137	20.0
2-Pentanone, 4-...	5.169	11.7	ng	491415	1	6.934	843137	20.0
Benzophenone	10.675	5.1	ng	312127	3	9.969	1215560	20.0
n-Hexadecanoic ...	11.974	2.2	ng	113757	4	11.457	1039410	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143406.D	1	08/12/25 11:39	08/15/25 07:20	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.20	U	4.00	8.20	10.2	ug/L
108-95-2	Phenol	4.10	U	0.93	4.10	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.10	U	0.83	4.10	5.10	ug/L
95-57-8	2-Chlorophenol	4.10	U	0.59	4.10	5.10	ug/L
95-48-7	2-Methylphenol	4.10	U	1.10	4.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.10	U	1.30	4.10	5.10	ug/L
98-86-2	Acetophenone	4.10	U	0.76	4.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.20	U	1.10	8.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.60	U	1.40	2.60	2.60	ug/L
67-72-1	Hexachloroethane	4.10	U	0.66	4.10	5.10	ug/L
98-95-3	Nitrobenzene	4.10	U	0.78	4.10	5.10	ug/L
78-59-1	Isophorone	4.10	U	0.77	4.10	5.10	ug/L
88-75-5	2-Nitrophenol	4.10	U	1.80	4.10	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.10	U	1.90	4.10	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.10	U	0.69	4.10	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.10	U	0.53	4.10	5.10	ug/L
91-20-3	Naphthalene	4.10	U	0.51	4.10	5.10	ug/L
106-47-8	4-Chloroaniline	4.10	U	0.86	4.10	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.10	U	0.55	4.10	5.10	ug/L
105-60-2	Caprolactam	8.20	U	1.20	8.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	4.10	U	0.60	4.10	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.10	U	0.57	4.10	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.20	U	3.70	8.20	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	4.10	U	0.52	4.10	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.10	U	0.63	4.10	5.10	ug/L
92-52-4	1,1-Biphenyl	4.10	U	0.54	4.10	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.10	U	0.62	4.10	5.10	ug/L
88-74-4	2-Nitroaniline	4.10	U	1.30	4.10	5.10	ug/L
131-11-3	Dimethylphthalate	4.10	U	0.62	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143406.D	1	08/12/25 11:39	08/15/25 07:20	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.10	U	0.77	4.10	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.10	U	0.94	4.10	5.10	ug/L
99-09-2	3-Nitroaniline	4.10	U	1.10	4.10	5.10	ug/L
83-32-9	Acenaphthene	4.10	U	0.56	4.10	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.20	U	6.10	8.20	10.2	ug/L
100-02-7	4-Nitrophenol	8.20	U	2.40	8.20	10.2	ug/L
132-64-9	Dibenzofuran	4.10	U	0.62	4.10	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.10	U	1.20	4.10	5.10	ug/L
84-66-2	Diethylphthalate	4.10	U	0.70	4.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.10	U	0.69	4.10	5.10	ug/L
86-73-7	Fluorene	4.10	U	0.64	4.10	5.10	ug/L
100-01-6	4-Nitroaniline	4.10	U	1.50	4.10	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.20	U	2.90	8.20	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	4.10	U	0.59	4.10	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.10	U	0.41	4.10	5.10	ug/L
118-74-1	Hexachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
1912-24-9	Atrazine	4.10	U	1.00	4.10	5.10	ug/L
87-86-5	Pentachlorophenol	8.20	U	1.60	8.20	10.2	ug/L
85-01-8	Phenanthrene	4.10	U	0.51	4.10	5.10	ug/L
120-12-7	Anthracene	4.10	U	0.62	4.10	5.10	ug/L
86-74-8	Carbazole	4.10	U	0.73	4.10	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.10	U	1.20	4.10	5.10	ug/L
206-44-0	Fluoranthene	4.10	U	0.84	4.10	5.10	ug/L
129-00-0	Pyrene	4.10	U	0.51	4.10	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.10	U	2.00	4.10	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.20	U	0.95	8.20	10.2	ug/L
56-55-3	Benzo(a)anthracene	4.10	U	0.46	4.10	5.10	ug/L
218-01-9	Chrysene	4.10	U	0.45	4.10	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.10	U	1.60	4.10	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.20	U	2.40	8.20	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	4.10	U	0.50	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143406.D	1	08/12/25 11:39	08/15/25 07:20	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.10	U	0.49	4.10	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.10	U	0.56	4.10	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.10	U	0.60	4.10	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.10	U	0.68	4.10	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.10	U	0.70	4.10	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
123-91-1	1,4-Dioxane	4.10	U	1.00	4.10	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.10	U	0.73	4.10	5.10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	103		19 - 119		69%	SPK: 150
13127-88-3	Phenol-d6	83.3		10 - 130		56%	SPK: 150
4165-60-0	Nitrobenzene-d5	110		44 - 120		110%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.1		44 - 119		97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	182		43 - 140		122%	SPK: 150
1718-51-0	Terphenyl-d14	105		50 - 134		105%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	135000		6.934			
1146-65-2	Naphthalene-d8	528000		8.21			
15067-26-2	Acenaphthene-d10	282000		9.969			
1517-22-2	Phenanthrene-d10	415000		11.457			
1719-03-5	Chrysene-d12	243000		14.098			
1520-96-3	Perylene-d12	303000		15.592			
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	92.6	J			2.30	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.20	AB			5.17	ug/L
000119-61-9	Benzophenone	6.50	J			10.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.20	J			12.0	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143406.D	1	08/12/25 11:39	08/15/25 07:20	PB169230

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143406.D
Acq On : 15 Aug 2025 07:20
Operator : RC/JU
Sample : Q2815-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-S

Quant Time: Aug 15 07:48:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	135058	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	527993	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	282094	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	414730	20.000	ng	0.00
76) Chrysene-d12	14.098	240	243022	20.000	ng	0.00
86) Perylene-d12	15.592	264	302866	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	808096	103.467	ng	0.01
7) Phenol-d6	6.563	99	833797	83.250	ng	0.00
23) Nitrobenzene-d5	7.492	82	936433	110.447	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	376036	182.400	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1614545	97.055	ng	0.00
79) Terphenyl-d14	13.039	244	1423396	104.568	ng	0.00

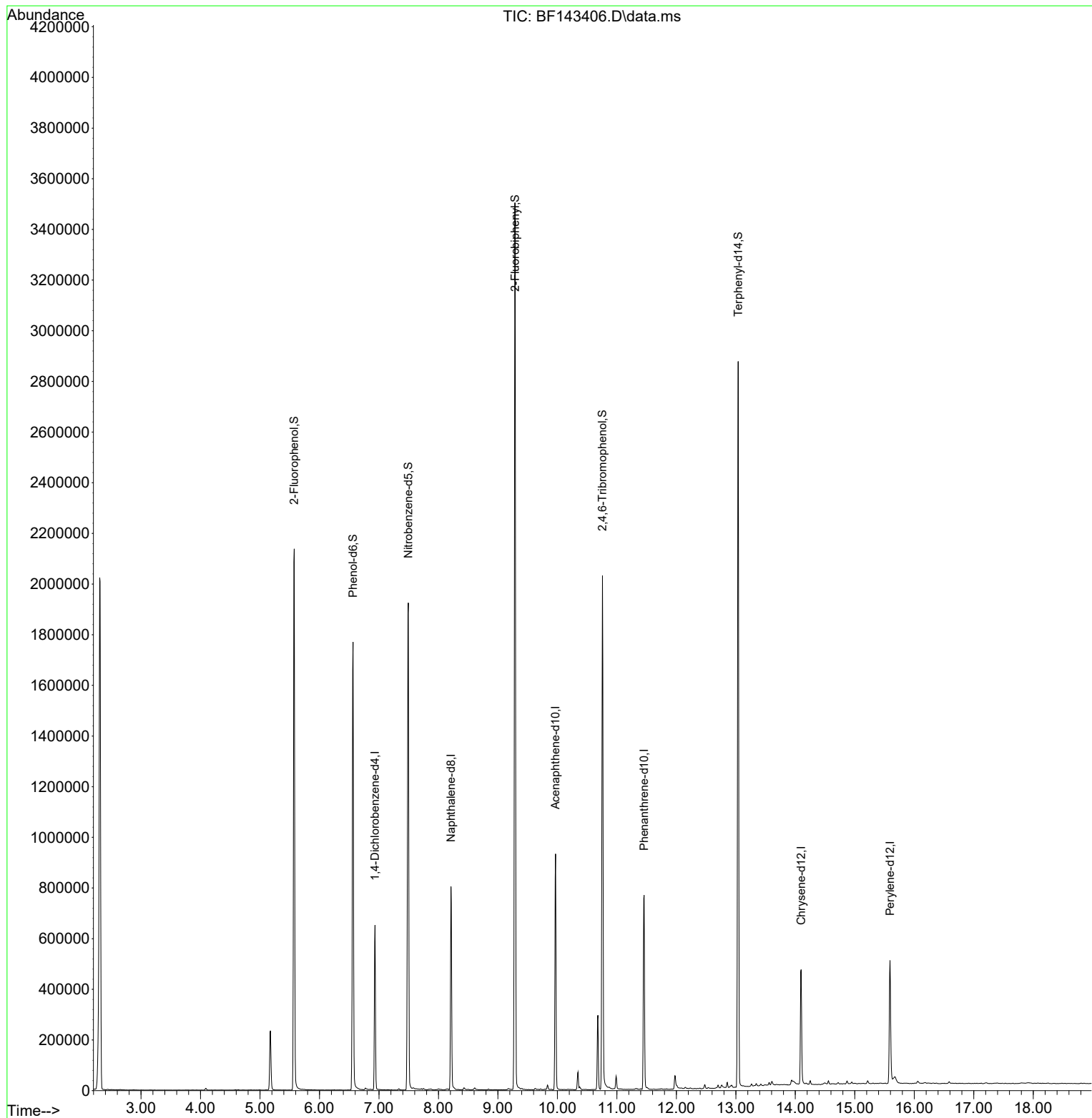
Target Compounds	Qvalue
------------------	--------

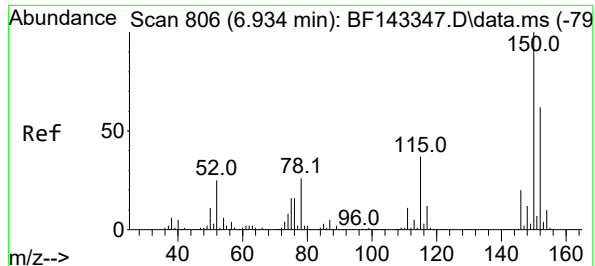
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143406.D
Acq On : 15 Aug 2025 07:20
Operator : RC/JU
Sample : Q2815-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-S

Quant Time: Aug 15 07:48:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

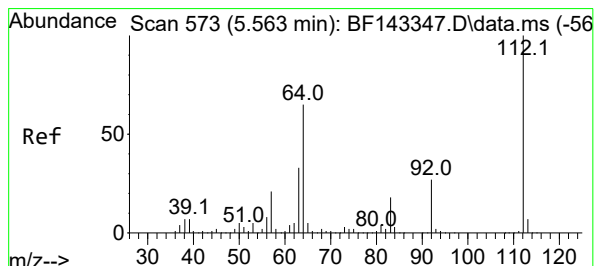
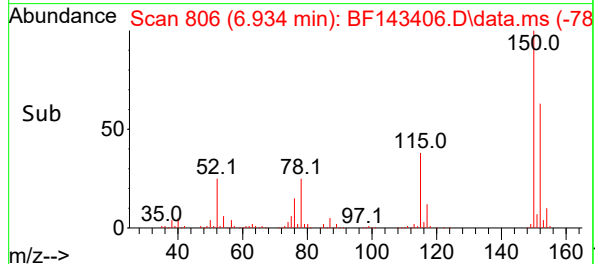
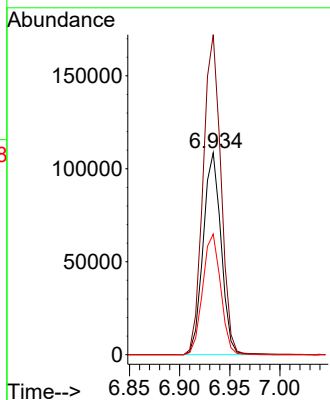
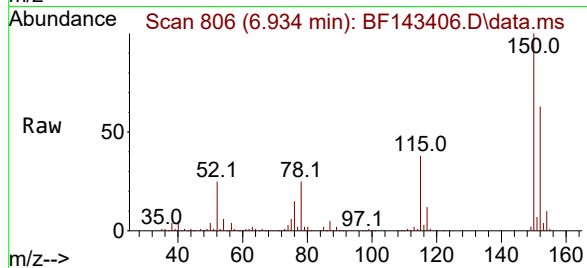




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

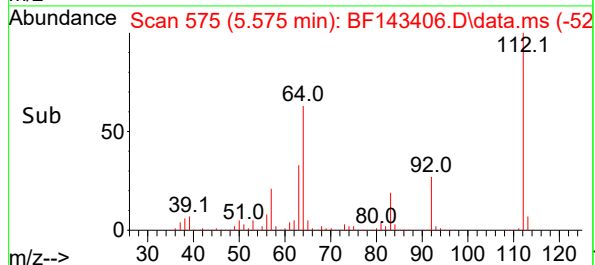
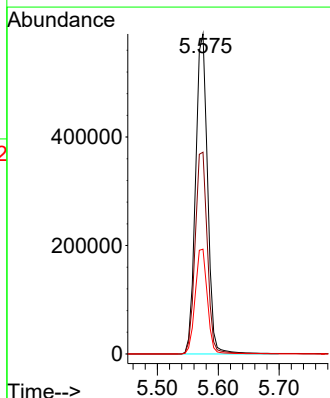
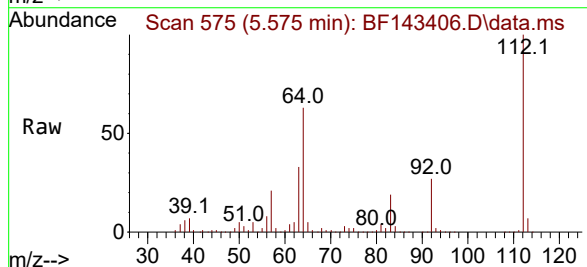
Instrument :
BNA_F
ClientSampleId :
TW-10P-S

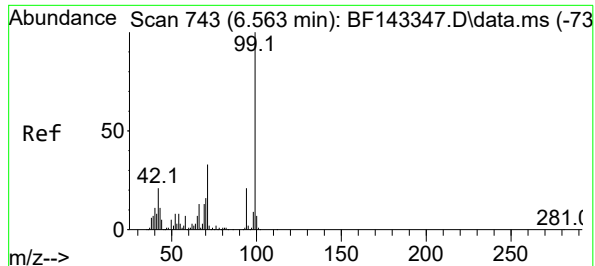
Tgt Ion:152 Resp: 135058
Ion Ratio Lower Upper
152 100
150 158.5 129.8 194.8
115 59.8 47.8 71.8



#5
2-Fluorophenol
Concen: 103.467 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

Tgt Ion:112 Resp: 808096
Ion Ratio Lower Upper
112 100
64 63.0 52.1 78.1
63 32.8 26.6 39.8

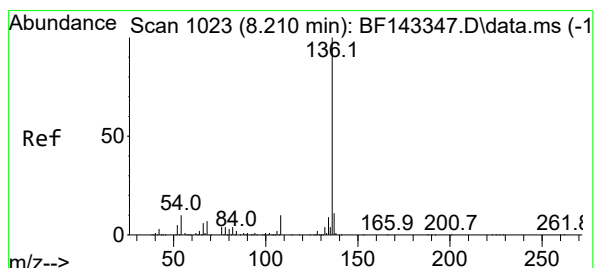
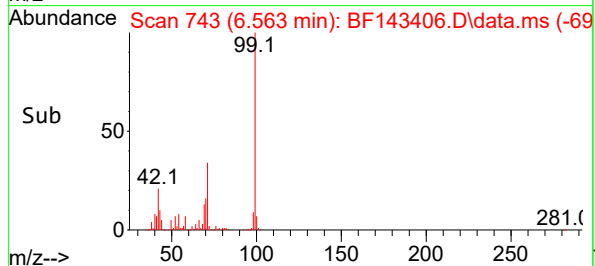
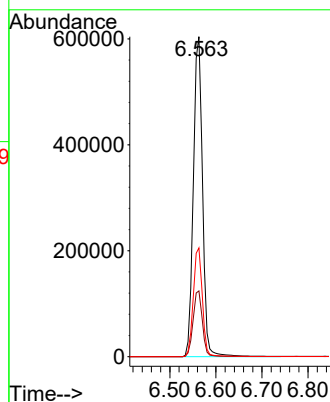
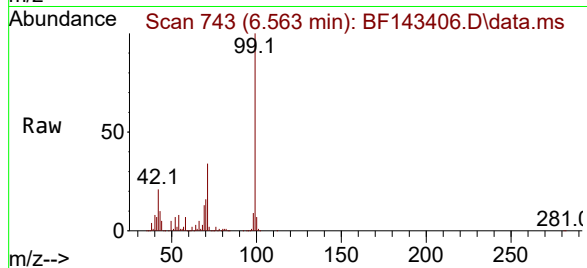




#7
Phenol-d6
Concen: 83.250 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

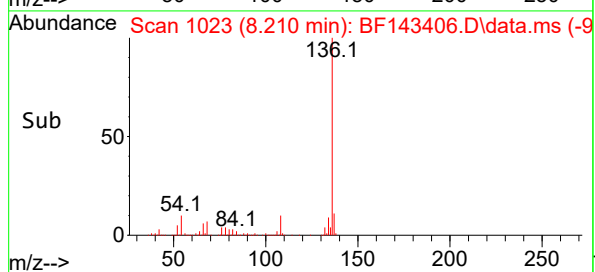
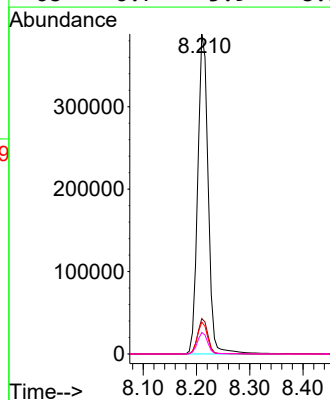
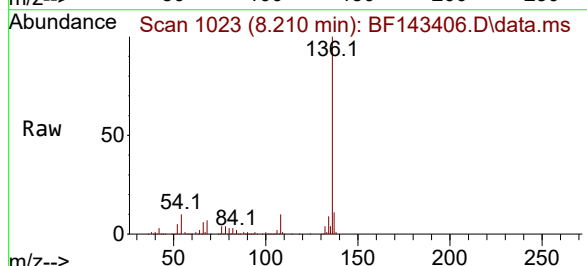
Instrument :
BNA_F
ClientSampleId :
TW-10P-S

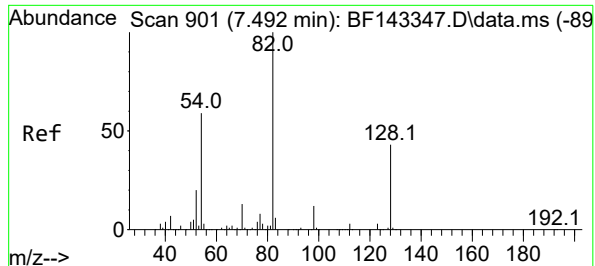
Tgt Ion: 99 Resp: 833797
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 34.0 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143406.D
Acq: 15 Aug 2025 07:20

Tgt Ion: 136 Resp: 527993
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.0 8.4 12.6
68 6.7 5.9 8.9





#23

Nitrobenzene-d5

Concen: 110.447 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

Instrument :

BNA_F

ClientSampleId :

TW-10P-S

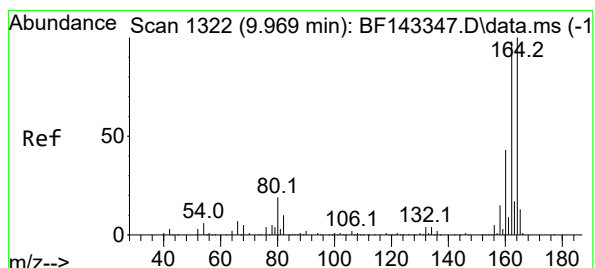
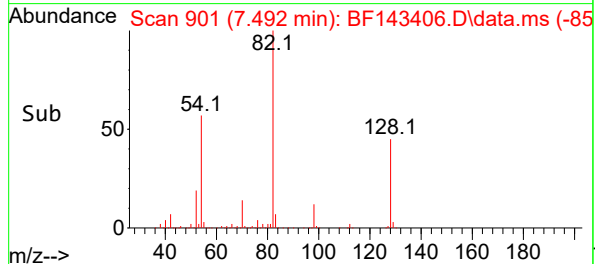
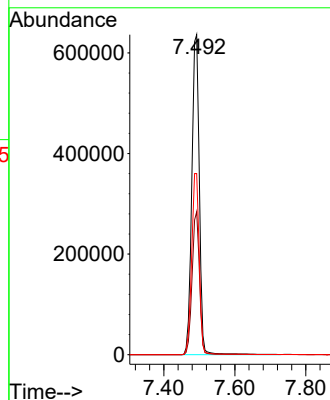
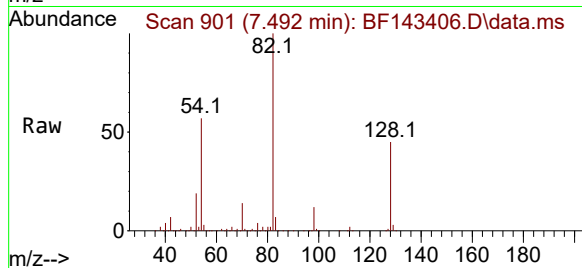
Tgt Ion: 82 Resp: 936433

Ion Ratio Lower Upper

82 100

128 44.6 33.5 50.3

54 56.6 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

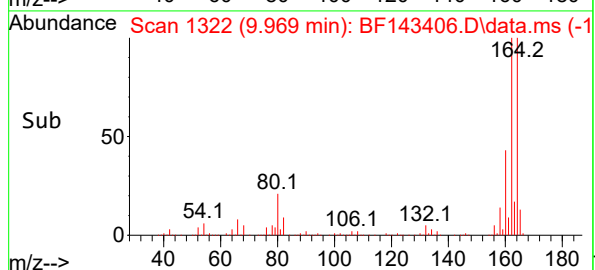
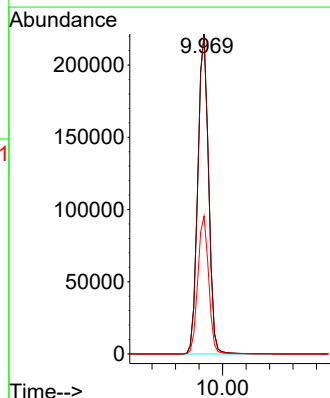
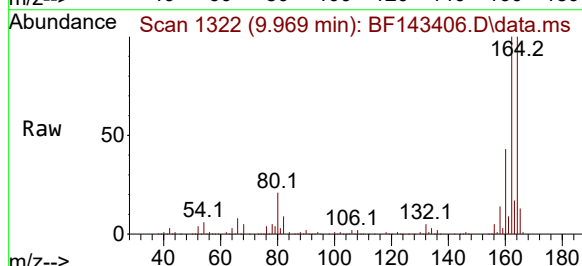
Tgt Ion: 164 Resp: 282094

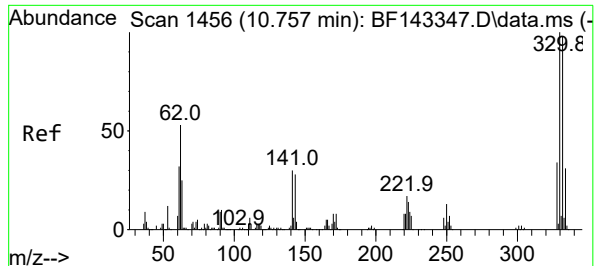
Ion Ratio Lower Upper

164 100

162 99.7 78.6 118.0

160 43.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 182.400 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143406.D

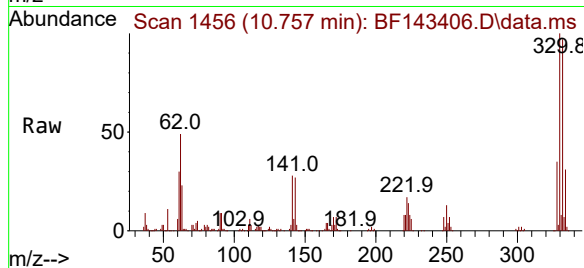
Acq: 15 Aug 2025 07:20

Instrument :

BNA_F

ClientSampleId :

TW-10P-S



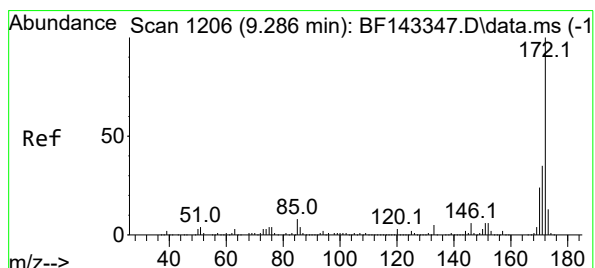
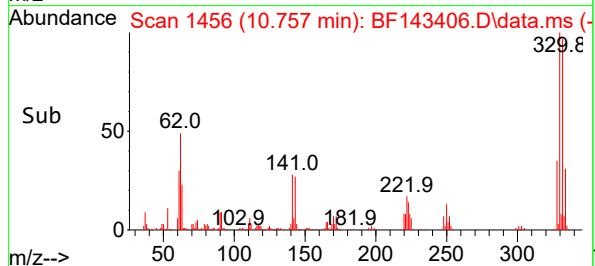
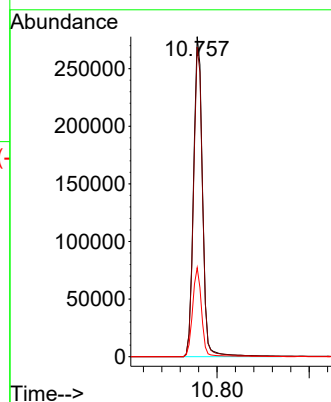
Tgt Ion:330 Resp: 376036

Ion Ratio Lower Upper

330 100

332 96.9 78.1 117.1

141 28.0 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 97.055 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

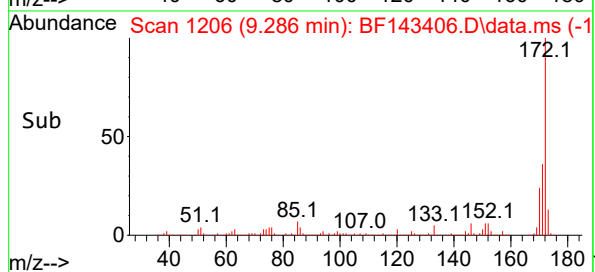
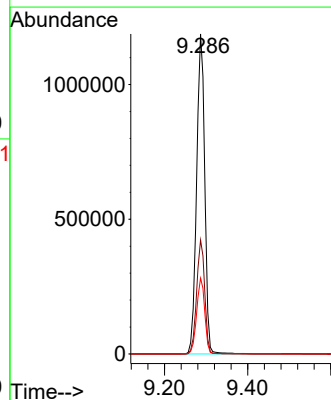
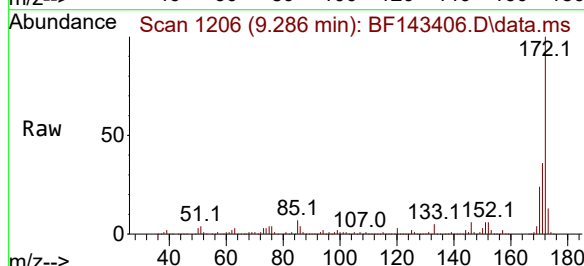
Tgt Ion:172 Resp: 1614545

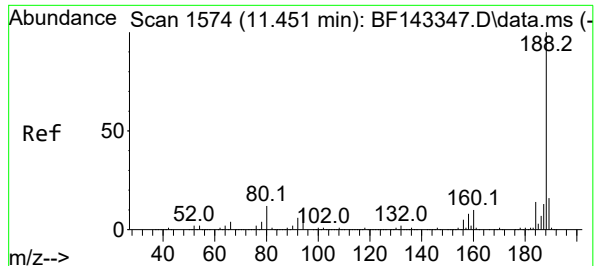
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.7 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

Instrument :

BNA_F

ClientSampleId :

TW-10P-S

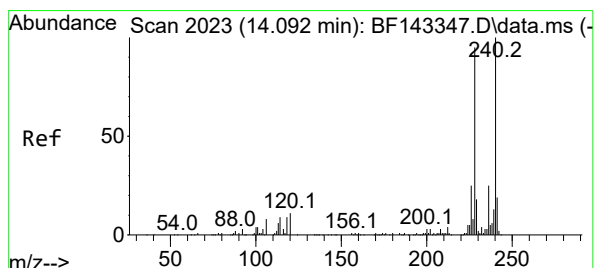
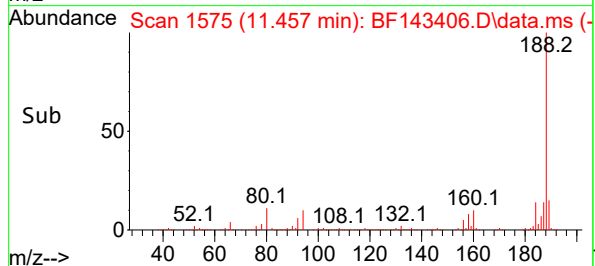
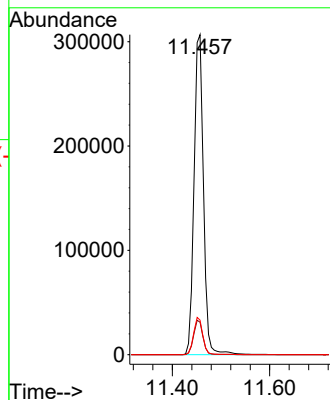
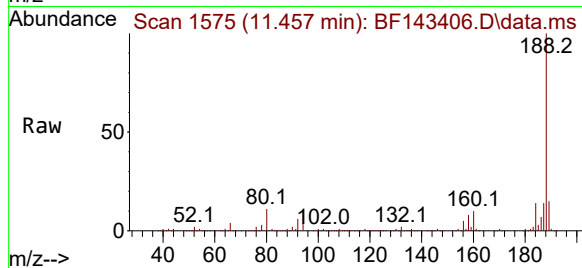
Tgt Ion:188 Resp: 414730

Ion Ratio Lower Upper

188 100

94 10.1 8.8 13.2

80 10.8 9.7 14.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

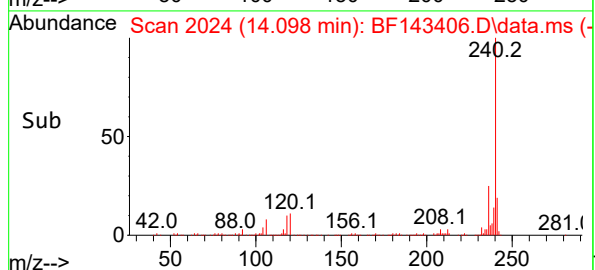
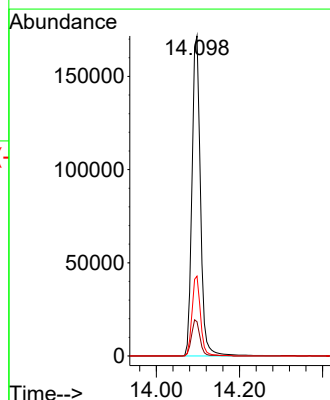
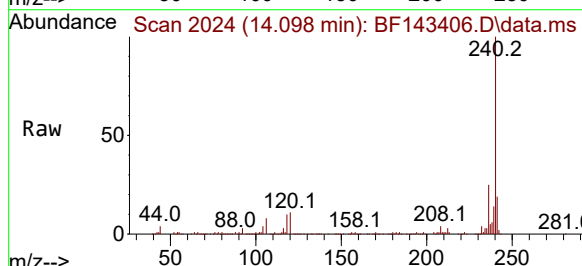
Tgt Ion:240 Resp: 243022

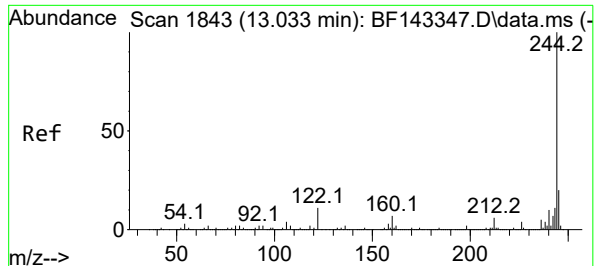
Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.6

236 24.9 19.9 29.9





#79

Terphenyl-d14

Concen: 104.568 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

Instrument :

BNA_F

ClientSampleId :

TW-10P-S

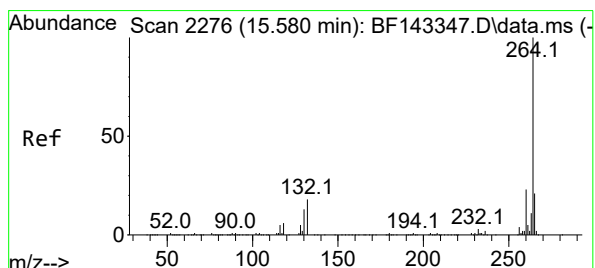
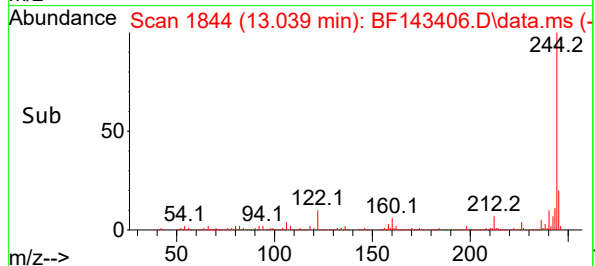
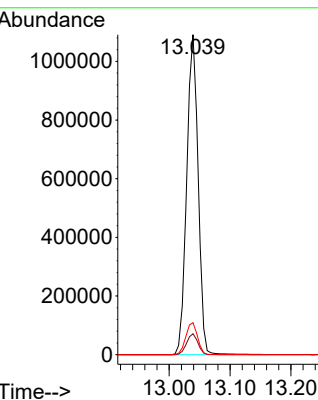
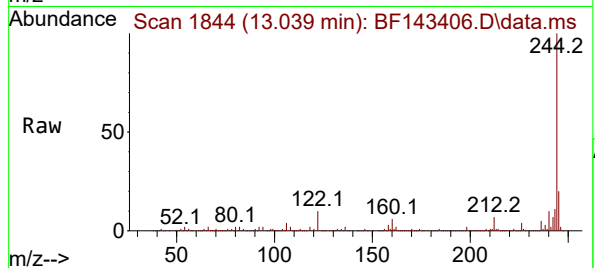
Tgt Ion:244 Resp: 1423396

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.0 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143406.D

Acq: 15 Aug 2025 07:20

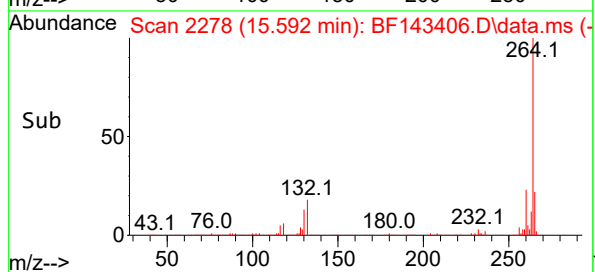
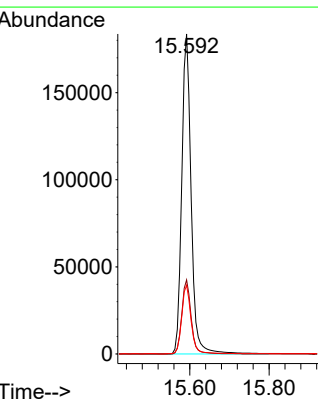
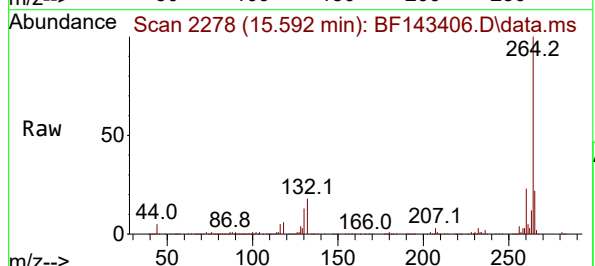
Tgt Ion:264 Resp: 302866

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.5 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143406.D
Acq On : 15 Aug 2025 07:20
Operator : RC/JU
Sample : Q2815-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143406.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.304	7	19	37	rVB	2021850	3695405	78.86%	12.468%
2	5.175	498	507	522	rBV	234344	368785	7.87%	1.244%
3	5.575	569	575	597	rBV	2136516	2958652	63.14%	9.982%
4	6.563	737	743	766	rBV	1768604	2453727	52.36%	8.279%
5	6.934	801	806	815	rBV	649909	814386	17.38%	2.748%
6	7.492	894	901	912	rBV	1923068	2818752	60.15%	9.510%
7	8.210	1018	1023	1038	rBV	801598	1078983	23.03%	3.640%
8	9.286	1199	1206	1211	rBV	3501054	4685861	100.00%	15.810%
9	9.969	1316	1322	1335	rBV	930700	1191968	25.44%	4.022%
10	10.345	1379	1386	1389	rBV	69419	89323	1.91%	0.301%
11	10.680	1436	1443	1450	rBV	292712	380861	8.13%	1.285%
12	10.757	1450	1456	1473	rBV	2027496	2733073	58.33%	9.221%
13	10.986	1490	1495	1502	rVB	49590	64679	1.38%	0.218%
14	11.457	1569	1575	1582	rBV	766068	1029466	21.97%	3.473%
15	11.974	1658	1663	1679	rBV2	52883	111247	2.37%	0.375%
16	13.039	1838	1844	1849	rBV	2865071	3738785	79.79%	12.615%
17	14.098	2018	2024	2035	rBV	451019	632463	13.50%	2.134%
18	15.592	2272	2278	2285	rBV	484707	792227	16.91%	2.673%

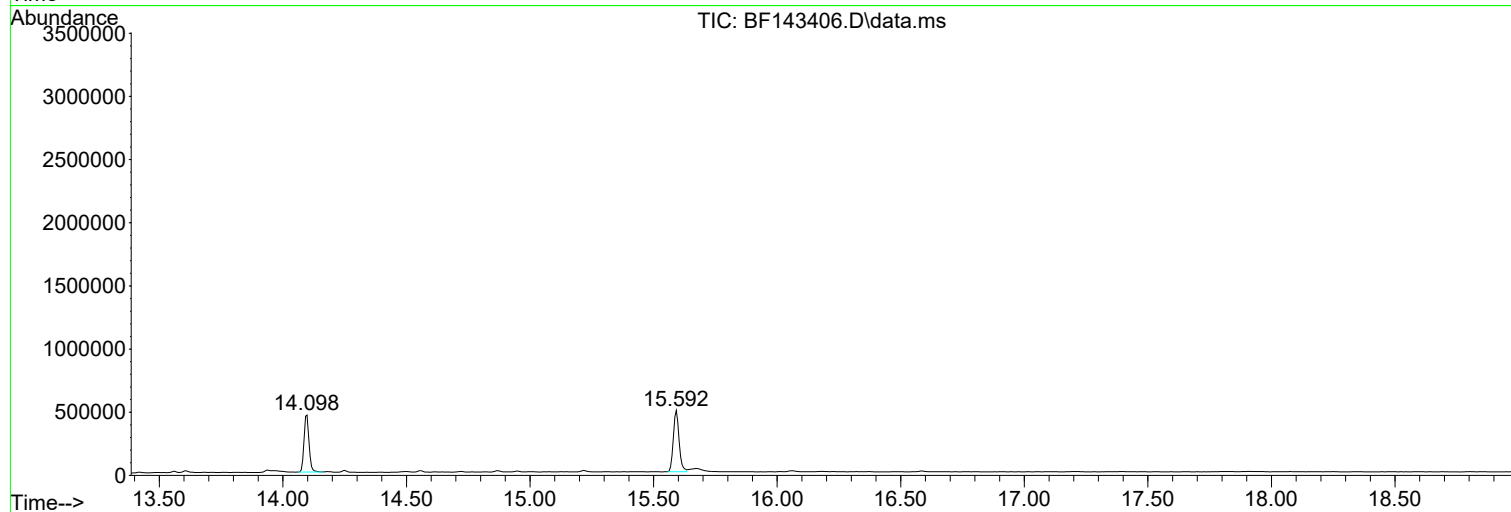
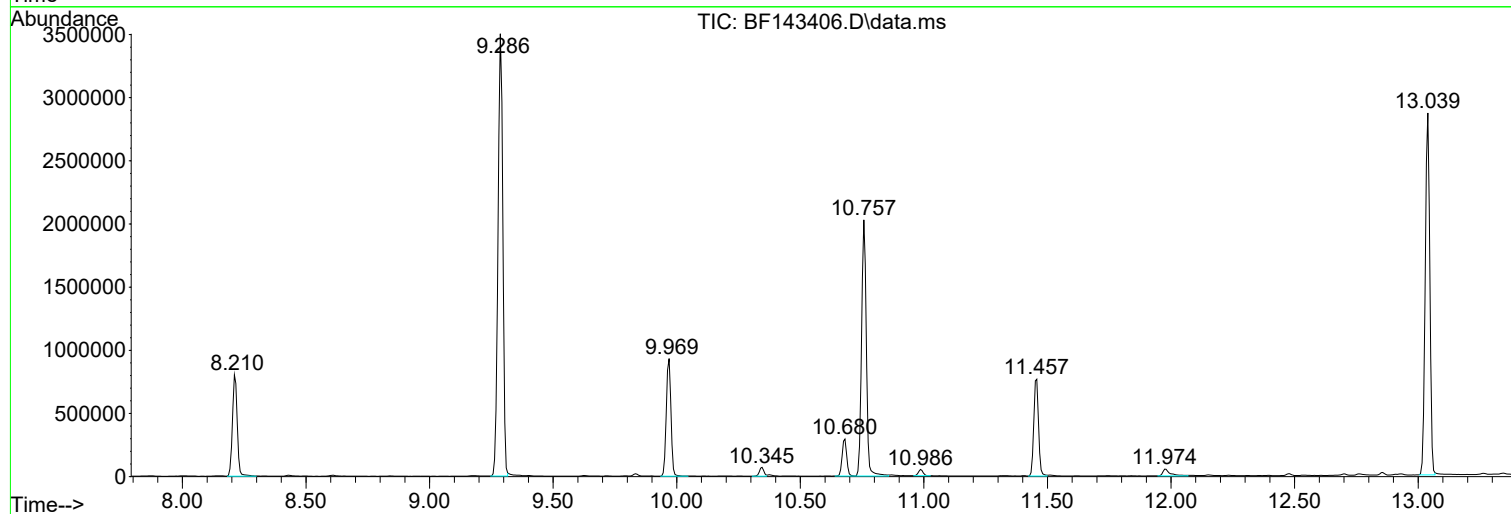
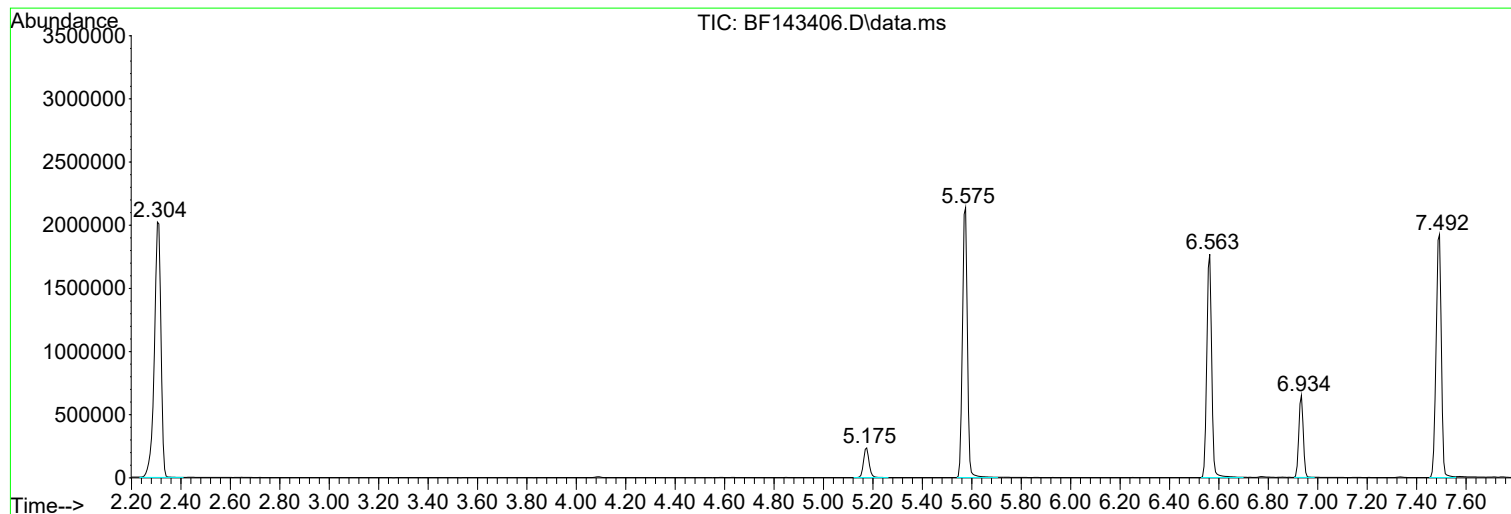
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Acq On : 15 Aug 2025 07:20
Operator : RC/JU
Sample : Q2815-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-S

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143406.D
Acq On : 15 Aug 2025 07:20
Operator : RC/JU
Sample : Q2815-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-S

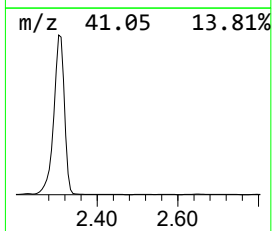
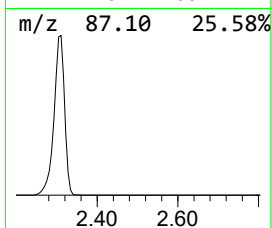
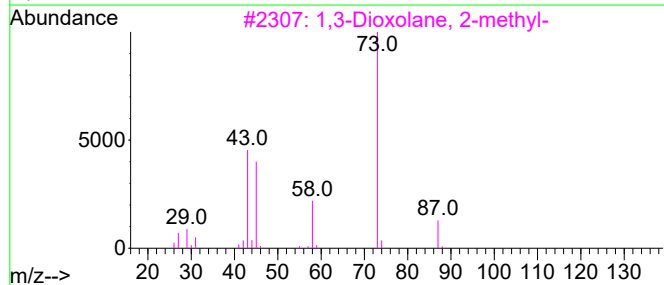
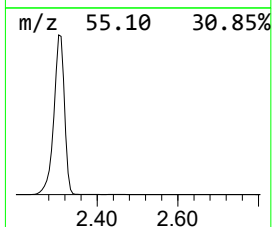
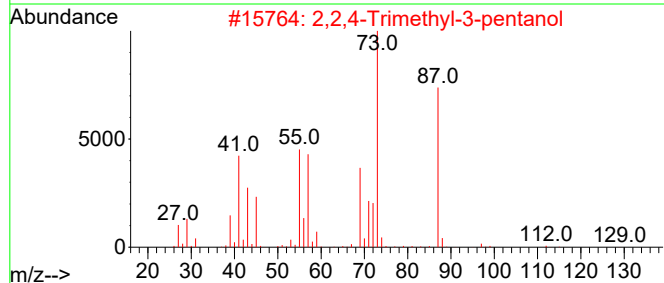
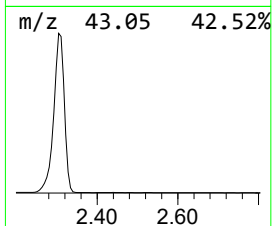
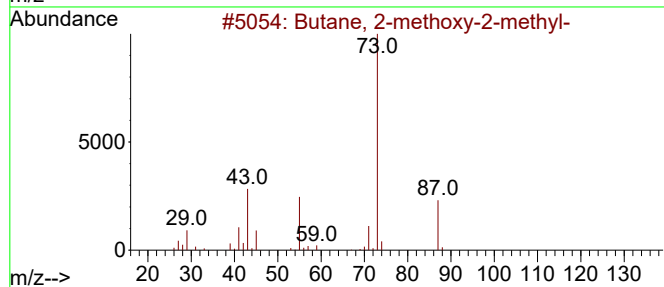
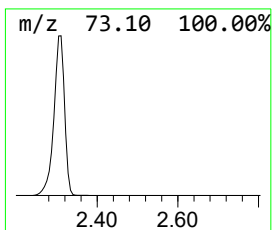
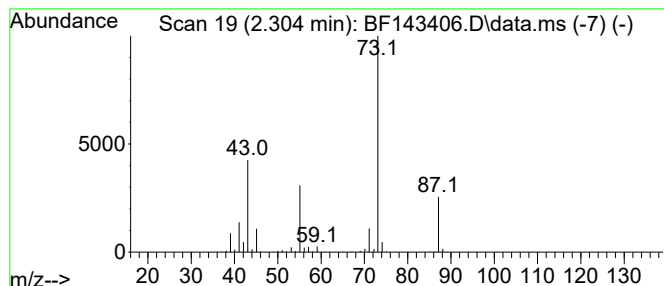
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.304	90.75 ng	3695410	1,4-Dichlorobenzene-d4	6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143406.D
Acq On : 15 Aug 2025 07:20
Operator : RC/JU
Sample : Q2815-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

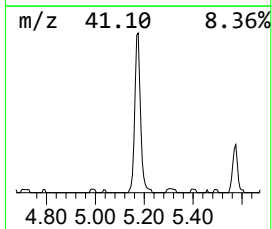
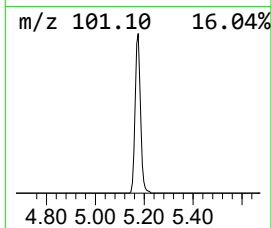
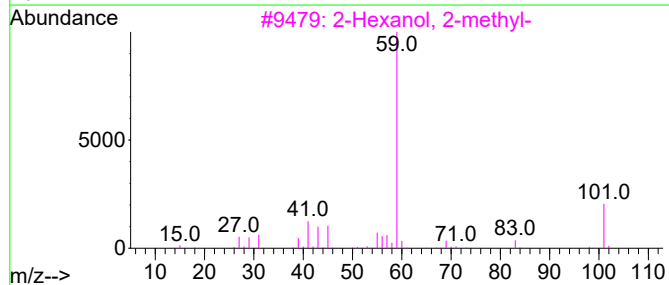
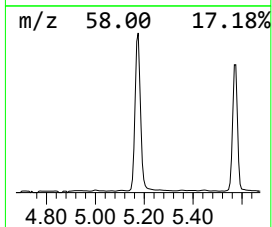
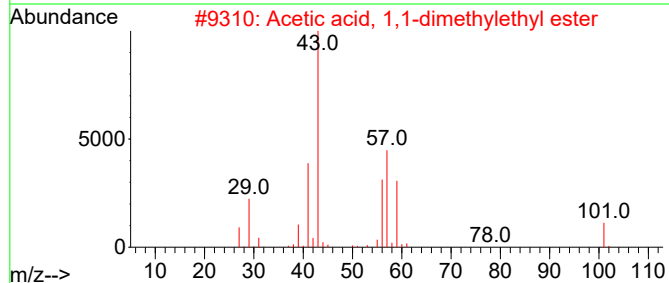
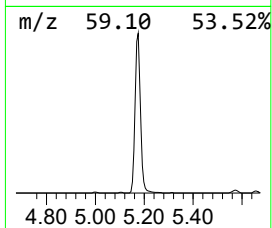
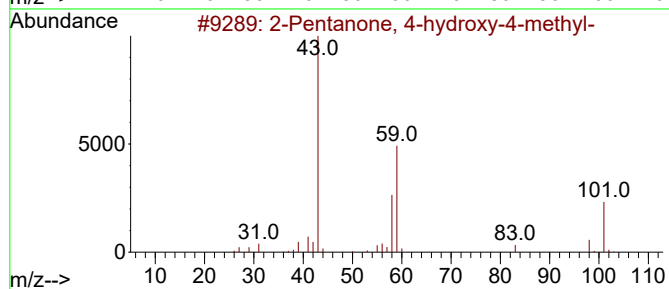
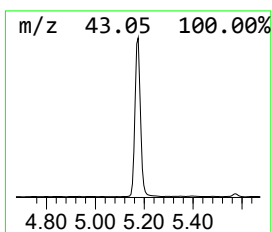
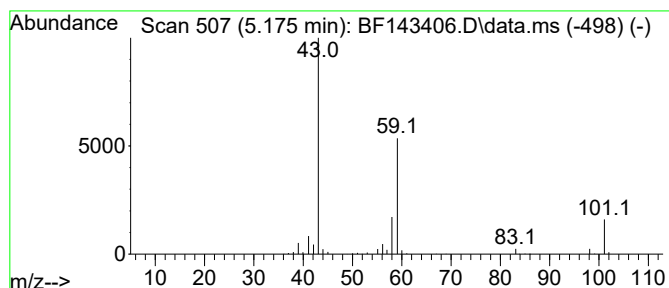
Instrument :
BNA_F
ClientSampleId :
TW-10P-S

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

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.175	9.06 ng	368785	1,4-Dichlorobenzene-d4	6.934	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143406.D
Acq On : 15 Aug 2025 07:20
Operator : RC/JU
Sample : Q2815-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-S

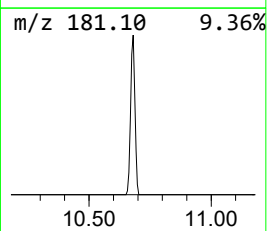
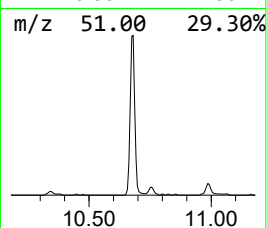
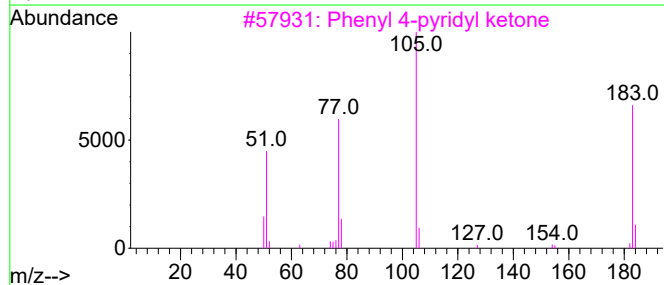
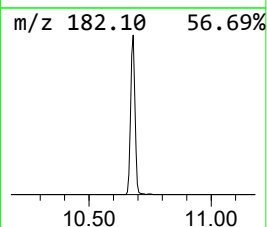
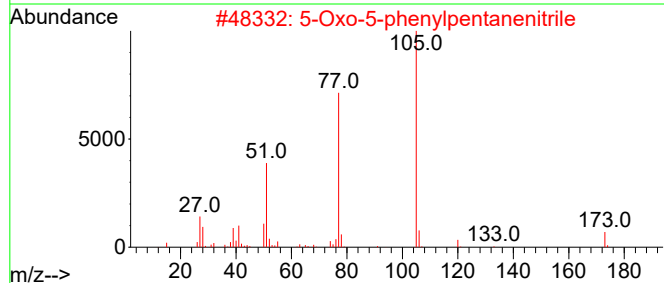
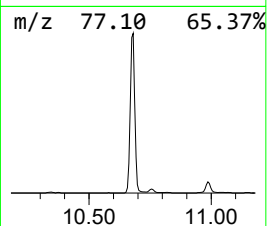
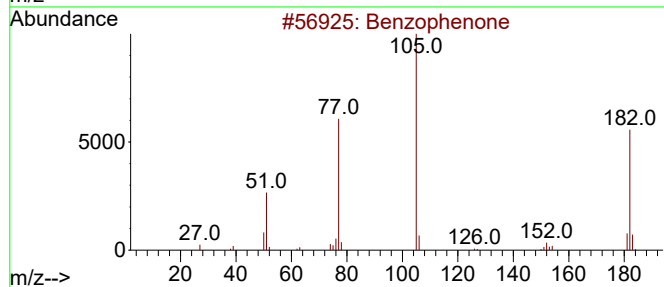
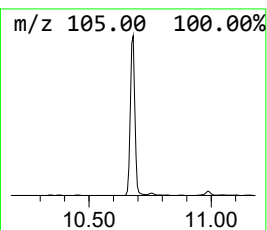
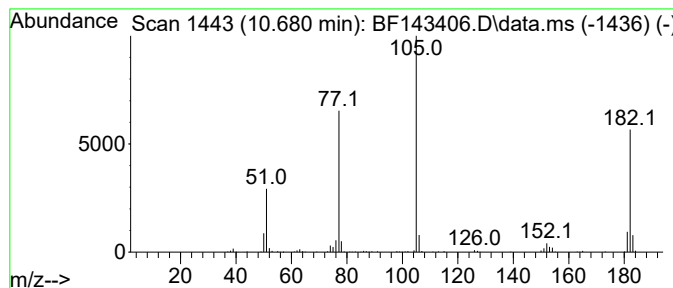
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	6.39 ng	380861	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	47
3			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	47
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143406.D
Acq On : 15 Aug 2025 07:20
Operator : RC/JU
Sample : Q2815-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-S

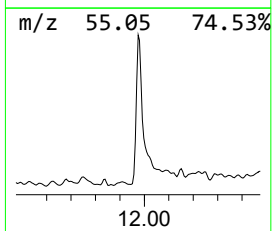
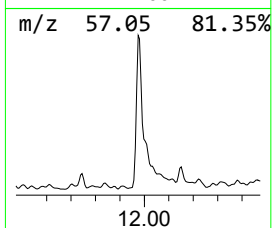
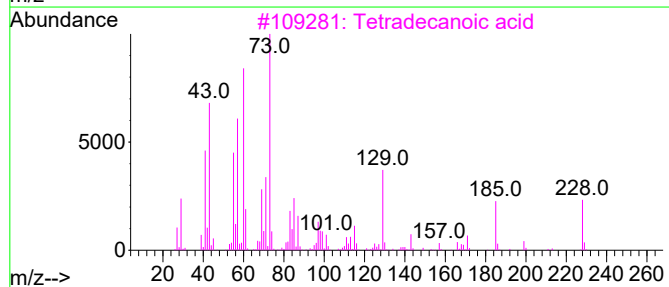
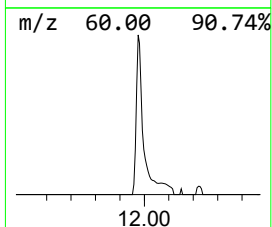
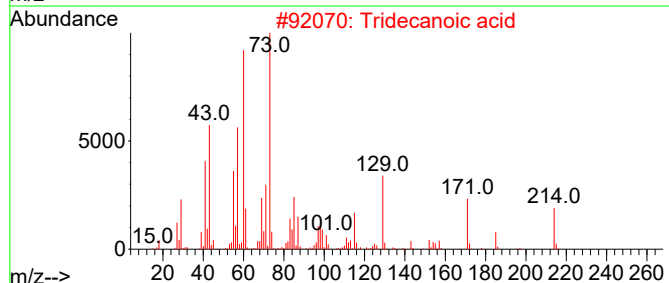
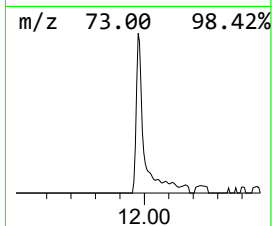
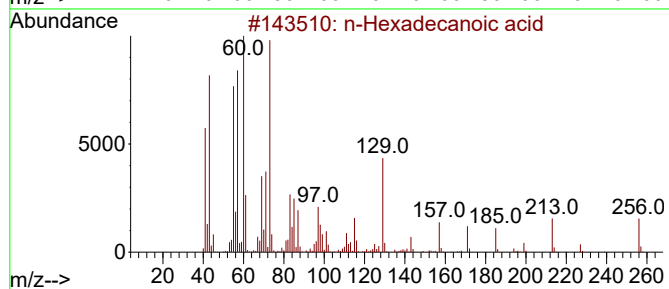
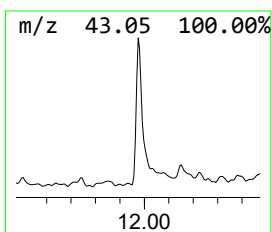
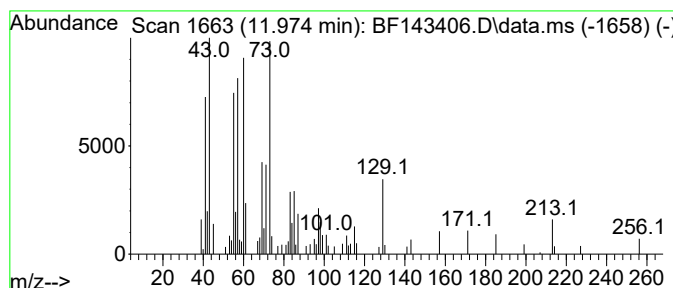
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	2.16 ng	111247	Phenanthrene-d10	11.457

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tridecanoic acid	214	C13H26O2	000638-53-9	90
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5		Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143406.D
Acq On : 15 Aug 2025 07:20
Operator : RC/JU
Sample : Q2815-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-S

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.304	90.8	ng	3695410	1	6.934	814386	20.0
2-Pentanone, 4-...	5.175	9.1	ng	368785	1	6.934	814386	20.0
Benzophenone	10.680	6.4	ng	380861	3	9.969	1191970	20.0
n-Hexadecanoic ...	11.974	2.2	ng	111247	4	11.457	1029470	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143407.D	1	08/12/25 11:39	08/15/25 07:49	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143407.D	1	08/12/25 11:39	08/15/25 07:49	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143407.D	1	08/12/25 11:39	08/15/25 07:49	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.56	4.00	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.60	4.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.68	4.00	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.70	4.00	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.53	4.00	5.10	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.73	4.00	5.10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	117		19 - 119		78%	SPK: 150
13127-88-3	Phenol-d6	100		10 - 130		67%	SPK: 150
4165-60-0	Nitrobenzene-d5	113		44 - 120		113%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.6		44 - 119		98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	185		43 - 140		123%	SPK: 150
1718-51-0	Terphenyl-d14	96.3		50 - 134		96%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	144000	6.934				
1146-65-2	Naphthalene-d8	549000	8.21				
15067-26-2	Acenaphthene-d10	297000	9.969				
1517-22-2	Phenanthrene-d10	438000	11.457				
1719-03-5	Chrysene-d12	268000	14.098				
1520-96-3	Perylene-d12	326000	15.592				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	89.4	J			2.31	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	13.2	AB			5.17	ug/L
000119-61-9	Benzophenone	4.10	J			10.7	ug/L
000630-01-3	Hexacosane	2.80	J			13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143407.D	1	08/12/25 11:39	08/15/25 07:49	PB169230

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143407.D
Acq On : 15 Aug 2025 07:49
Operator : RC/JU
Sample : Q2815-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-W

Quant Time: Aug 15 08:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	144249	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	549029	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	296630	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	438155	20.000	ng	0.00
76) Chrysene-d12	14.098	240	267853	20.000	ng	0.00
86) Perylene-d12	15.592	264	326295	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	976687	117.085	ng	0.01
7) Phenol-d6	6.563	99	1070241	100.049	ng	0.00
23) Nitrobenzene-d5	7.492	82	992560	112.581	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	400602	184.794	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1707363	97.605	ng	0.00
79) Terphenyl-d14	13.039	244	1444513	96.282	ng	0.00

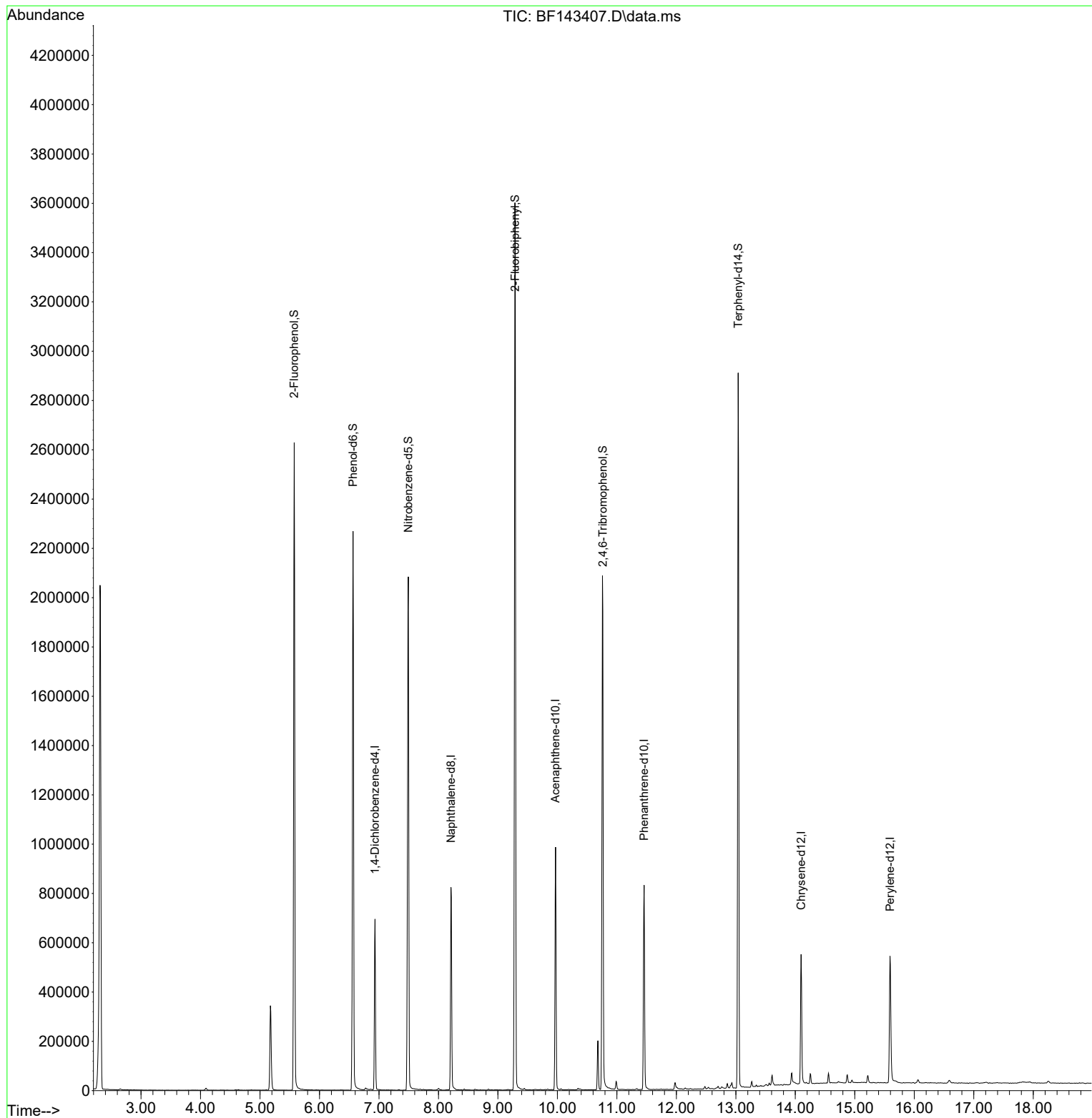
Target Compounds	Qvalue
------------------	--------

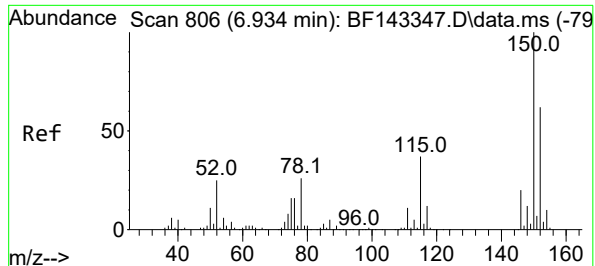
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143407.D
Acq On : 15 Aug 2025 07:49
Operator : RC/JU
Sample : Q2815-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-W

Quant Time: Aug 15 08:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

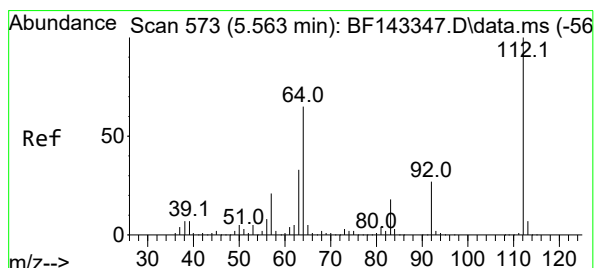
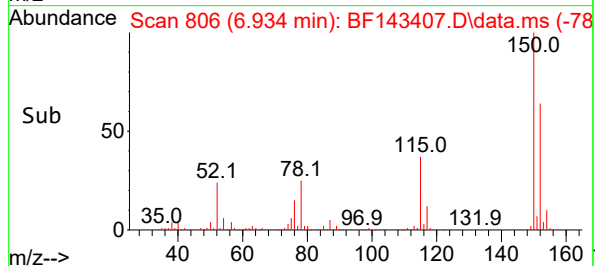
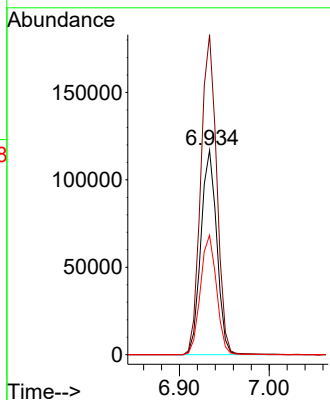
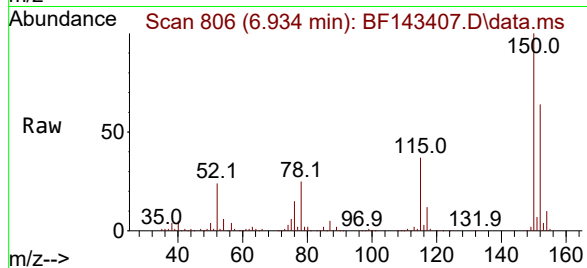




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

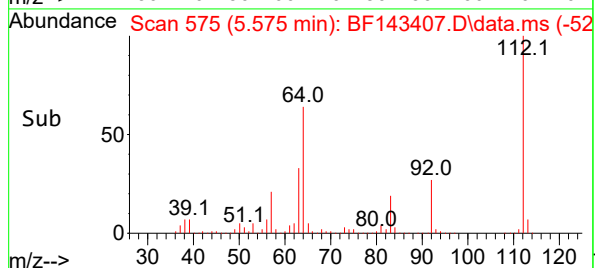
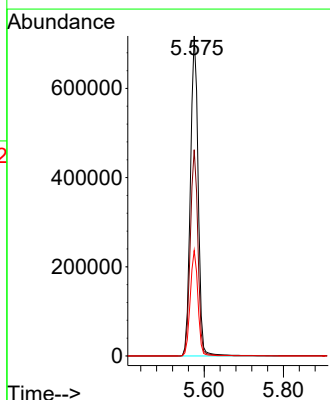
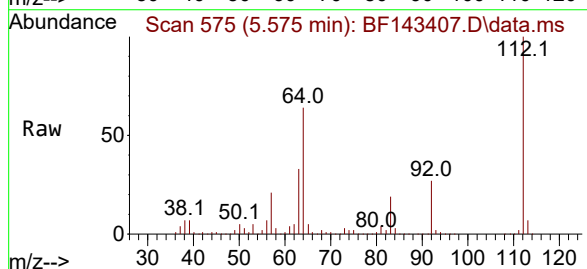
Instrument :
BNA_F
ClientSampleId :
TW-10P-W

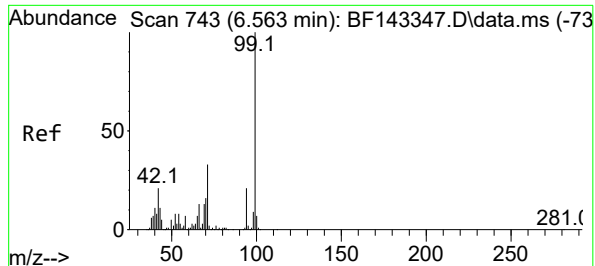
Tgt Ion:152 Resp: 144249
Ion Ratio Lower Upper
152 100
150 156.5 129.8 194.8
115 58.5 47.8 71.8



#5
2-Fluorophenol
Concen: 117.085 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

Tgt Ion:112 Resp: 976687
Ion Ratio Lower Upper
112 100
64 64.5 52.1 78.1
63 33.0 26.6 39.8

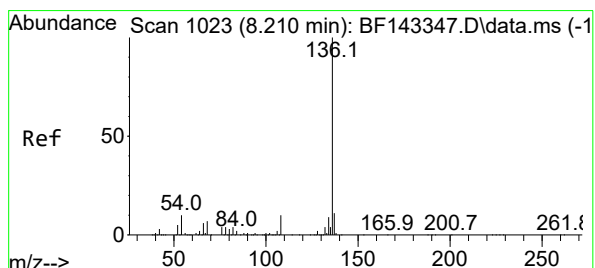
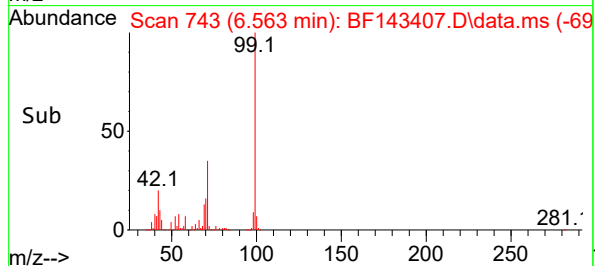
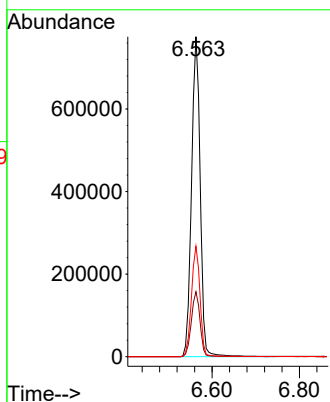
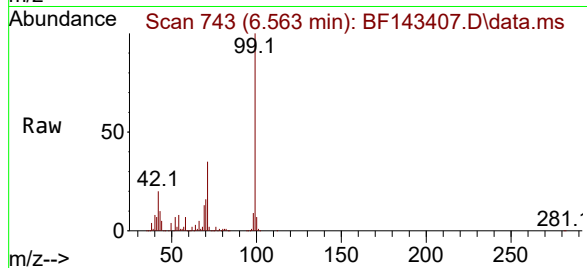




#7
Phenol-d6
Concen: 100.049 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

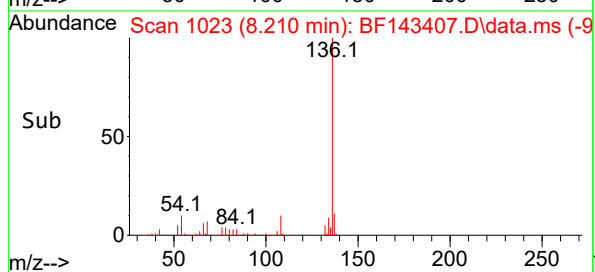
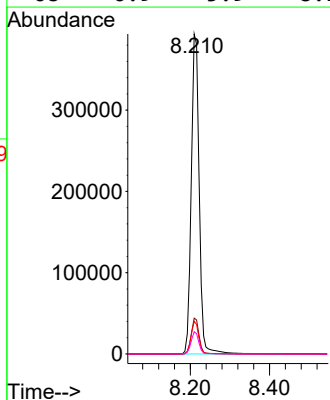
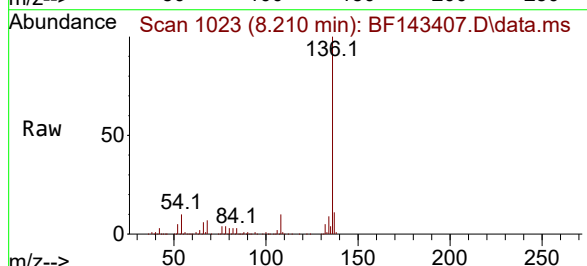
Instrument :
BNA_F
ClientSampleId :
TW-10P-W

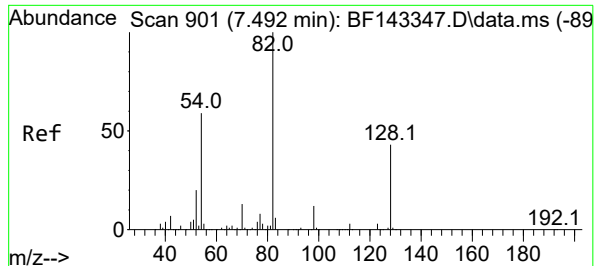
Tgt Ion: 99 Resp: 1070241
Ion Ratio Lower Upper
99 100
42 20.3 16.6 25.0
71 34.5 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143407.D
Acq: 15 Aug 2025 07:49

Tgt Ion: 136 Resp: 549029
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 10.2 8.4 12.6
68 6.9 5.9 8.9





#23

Nitrobenzene-d5

Concen: 112.581 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

Instrument :

BNA_F

ClientSampleId :

TW-10P-W

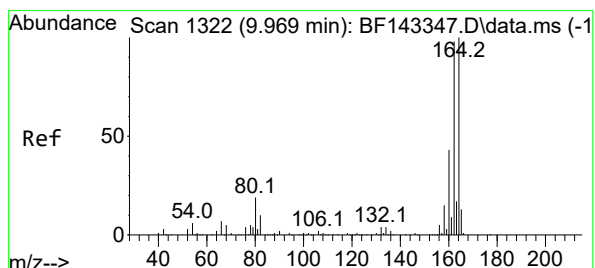
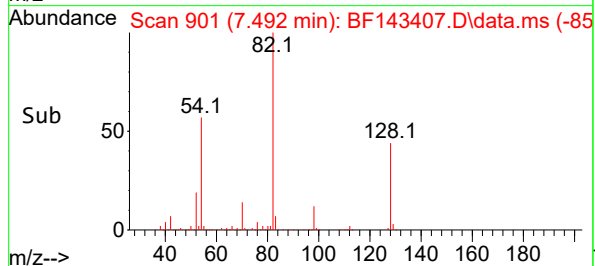
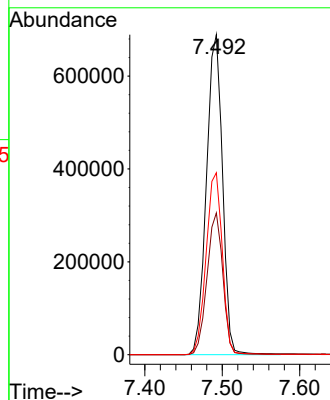
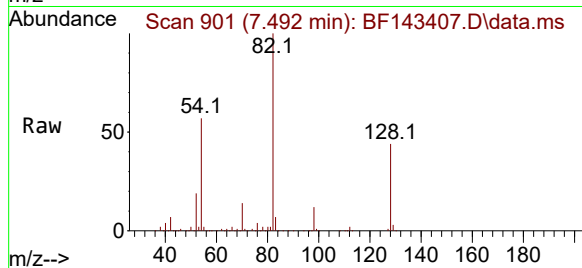
Tgt Ion: 82 Resp: 992560

Ion Ratio Lower Upper

82 100

128 44.3 33.5 50.3

54 56.8 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

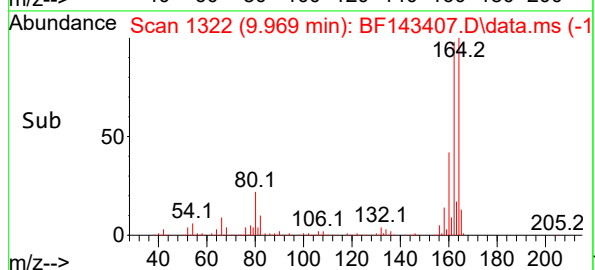
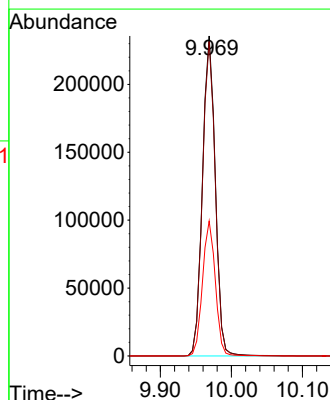
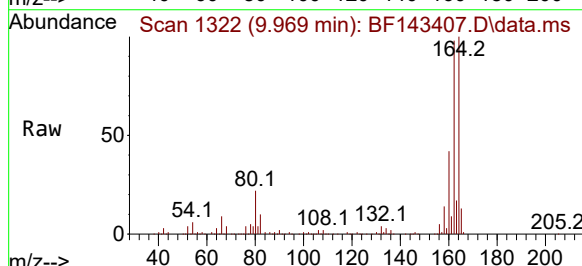
Tgt Ion: 164 Resp: 296630

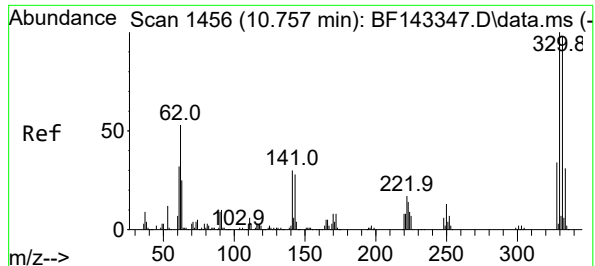
Ion Ratio Lower Upper

164 100

162 98.2 78.6 118.0

160 42.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 184.794 ng

RT: 10.763 min Scan# 1456

Delta R.T. 0.006 min

Lab File: BF143407.D

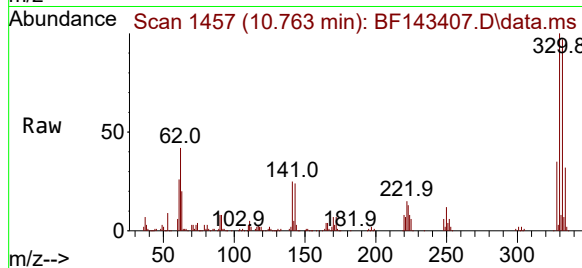
Acq: 15 Aug 2025 07:49

Instrument :

BNA_F

ClientSampleId :

TW-10P-W



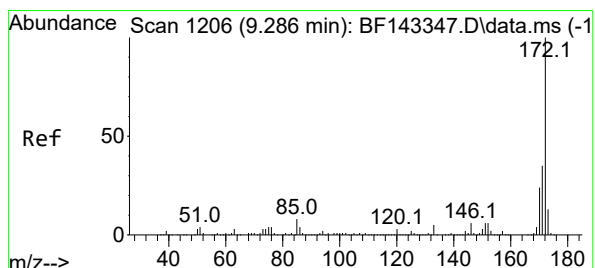
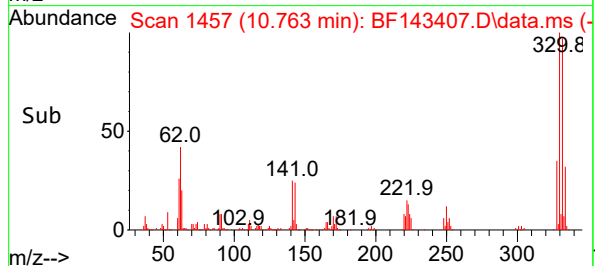
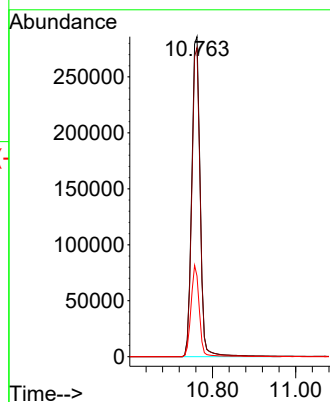
Tgt Ion:330 Resp: 400602

Ion Ratio Lower Upper

330 100

332 96.4 78.1 117.1

141 28.3 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 97.605 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

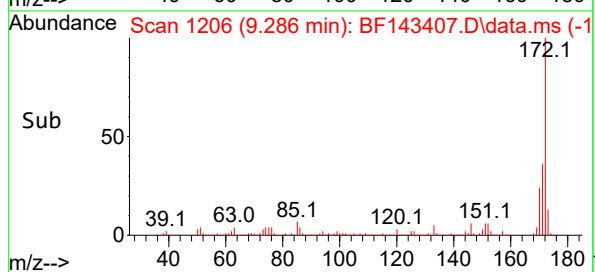
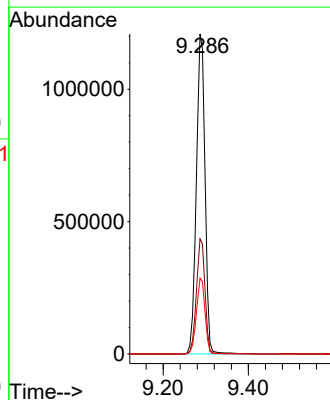
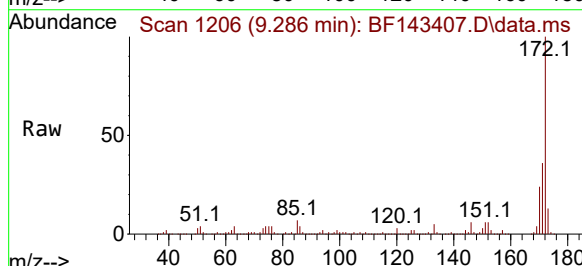
Tgt Ion:172 Resp: 1707363

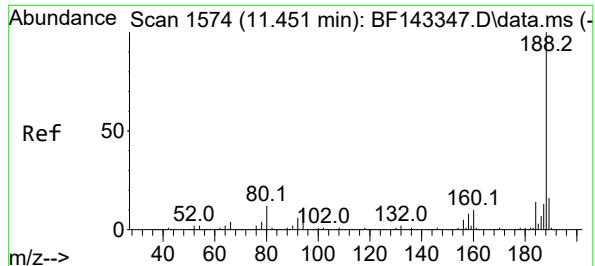
Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.7 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

Instrument :

BNA_F

ClientSampleId :

TW-10P-W

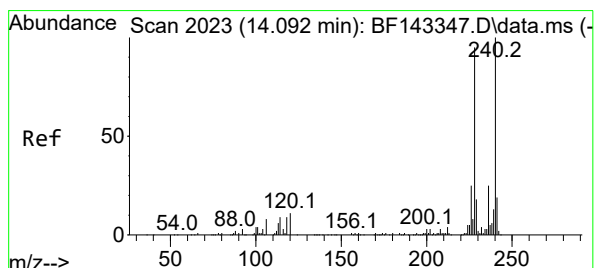
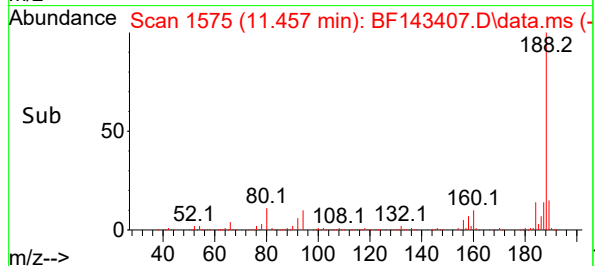
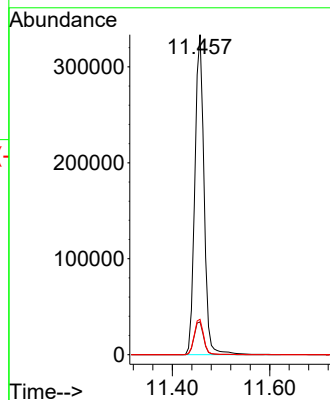
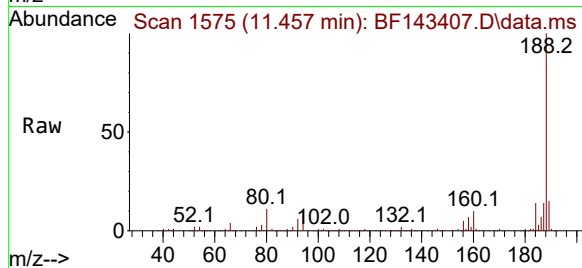
Tgt Ion:188 Resp: 438155

Ion Ratio Lower Upper

188 100

94 10.2 8.8 13.2

80 11.1 9.7 14.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

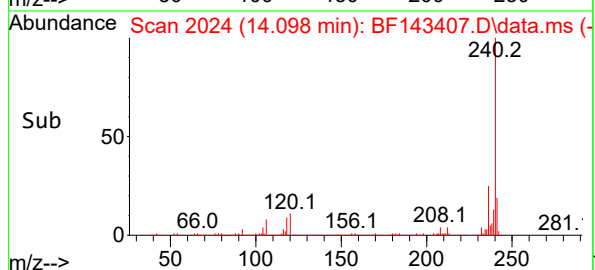
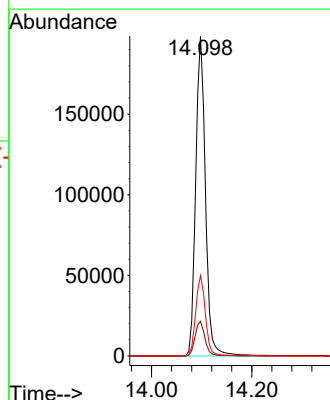
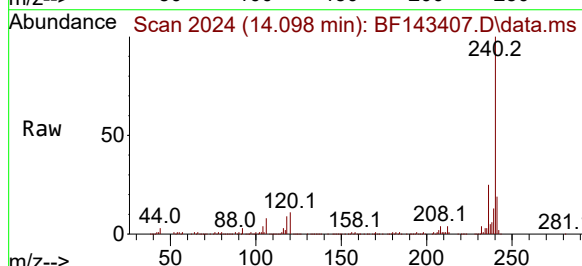
Tgt Ion:240 Resp: 267853

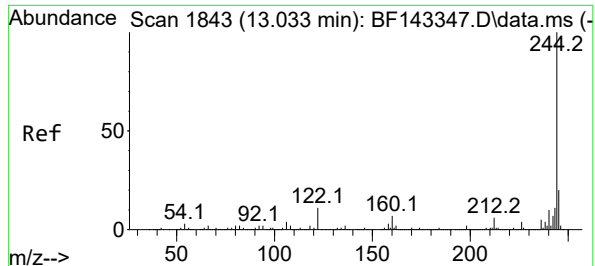
Ion Ratio Lower Upper

240 100

120 10.8 9.0 13.6

236 25.1 19.9 29.9





#79

Terphenyl-d14

Concen: 96.282 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

Instrument :

BNA_F

ClientSampleId :

TW-10P-W

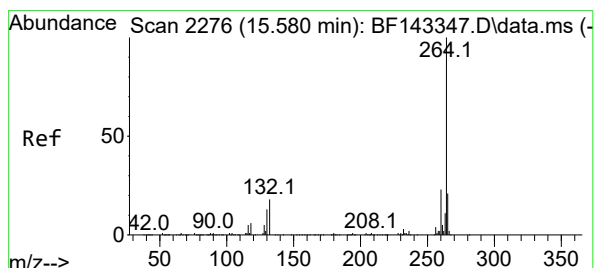
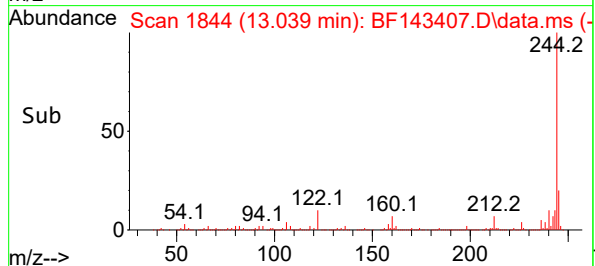
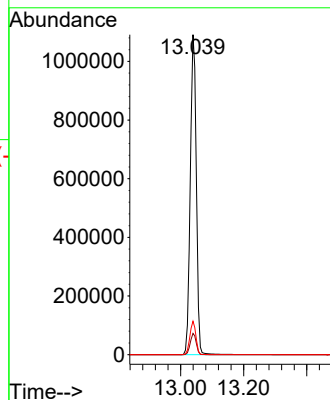
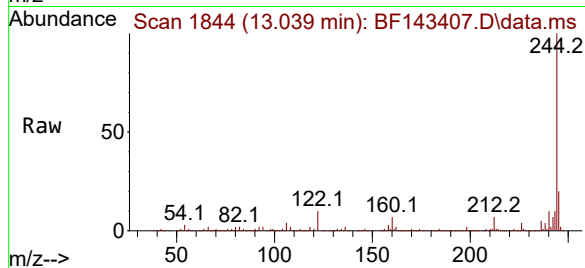
Tgt Ion:244 Resp: 1444513

Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 10.5 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143407.D

Acq: 15 Aug 2025 07:49

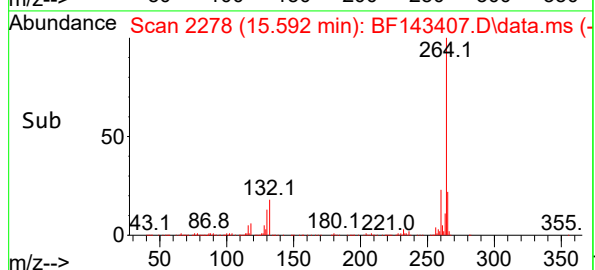
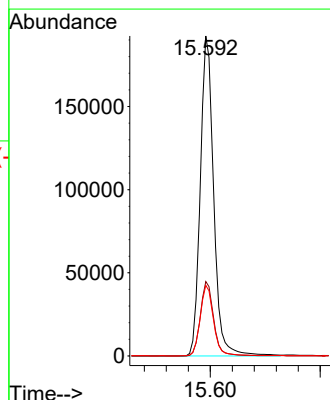
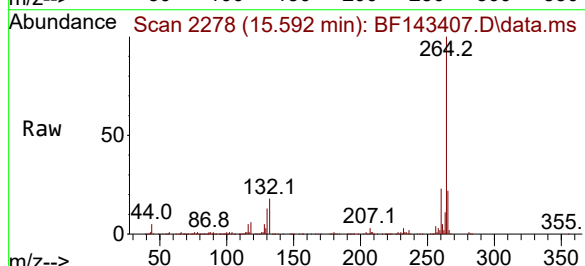
Tgt Ion:264 Resp: 326295

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 22.1 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143407.D
Acq On : 15 Aug 2025 07:49
Operator : RC/JU
Sample : Q2815-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143407.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.310	7	20	37	rVB	2045242	3782930	75.53%	11.742%
2	5.175	499	507	528	rBV	342625	560254	11.19%	1.739%
3	5.575	569	575	596	rBV	2626873	3555742	70.99%	11.037%
4	6.563	737	743	770	rBV	2267149	3138605	62.66%	9.742%
5	6.934	801	806	811	rBV	692061	854867	17.07%	2.654%
6	7.492	894	901	906	rBV	2082813	2986561	59.63%	9.270%
7	8.210	1017	1023	1040	rBV	821593	1128465	22.53%	3.503%
8	9.286	1199	1206	1224	rBV	3599573	5008592	100.00%	15.547%
9	9.969	1316	1322	1335	rBV	984661	1240871	24.77%	3.852%
10	10.680	1438	1443	1450	rBV	199088	250005	4.99%	0.776%
11	10.757	1450	1456	1473	rBV	2083728	2890881	57.72%	8.973%
12	11.457	1569	1575	1594	rVB	828784	1085790	21.68%	3.370%
13	11.980	1659	1664	1673	rBV2	27151	53635	1.07%	0.166%
14	13.039	1838	1844	1855	rBV	2901909	3809116	76.05%	11.824%
15	13.610	1937	1941	1949	rVB	39391	57065	1.14%	0.177%
16	13.939	1992	1997	2015	rBV	45890	95858	1.91%	0.298%
17	14.098	2019	2024	2036	rVV	523891	702895	14.03%	2.182%
18	14.251	2046	2050	2056	rBV	40184	52811	1.05%	0.164%
19	14.557	2098	2102	2108	rBV	39803	50664	1.01%	0.157%
20	15.592	2272	2278	2303	rBV	513820	910635	18.18%	2.827%

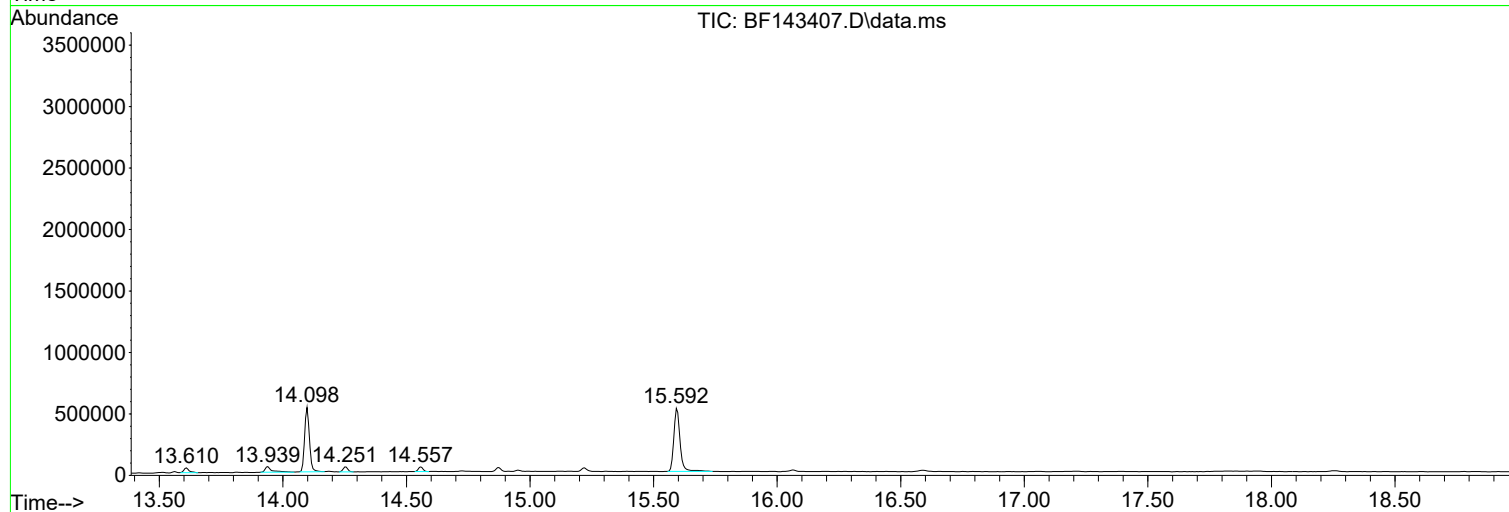
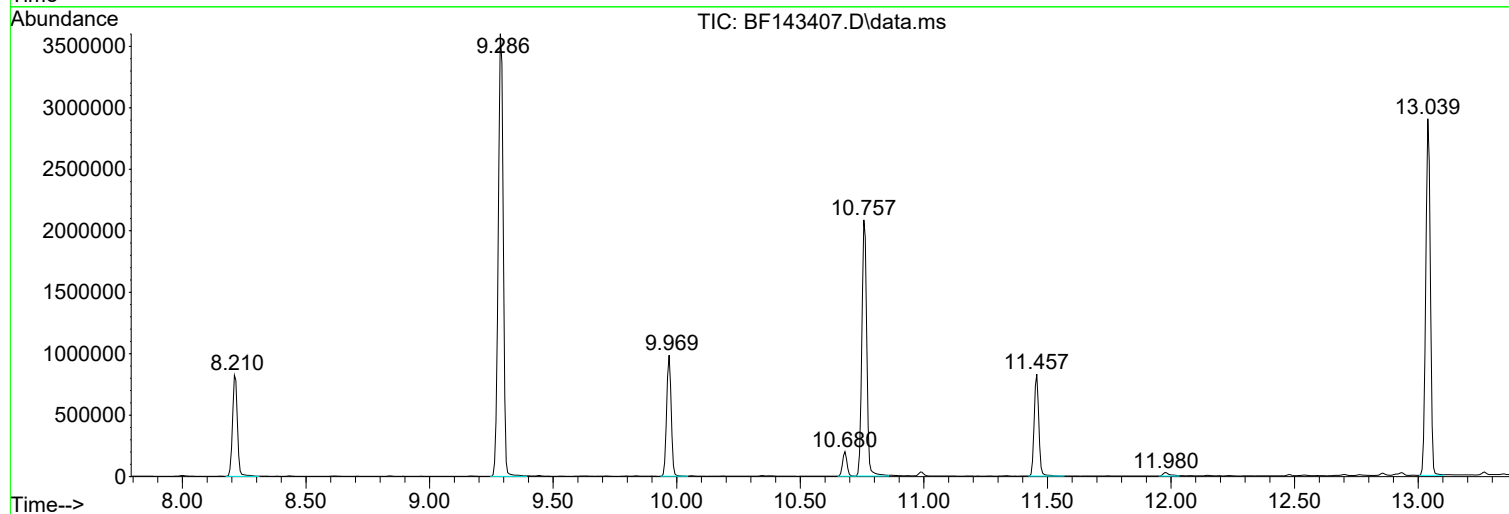
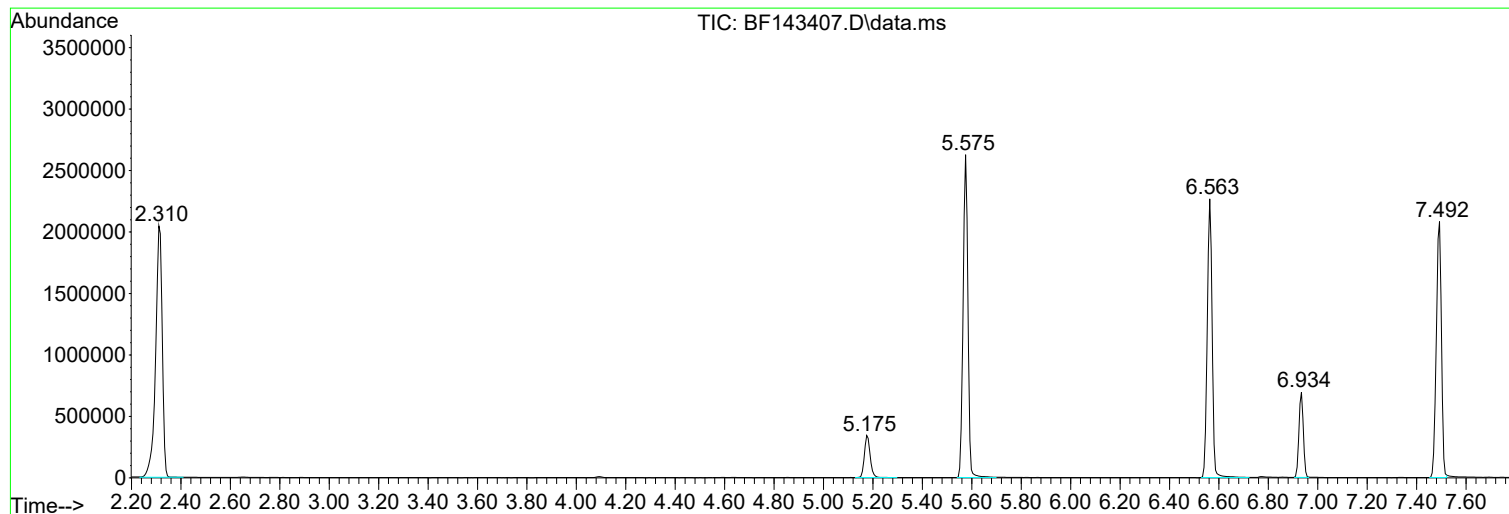
Sum of corrected areas: 32216242

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143407.D
Acq On : 15 Aug 2025 07:49
Operator : RC/JU
Sample : Q2815-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-W

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143407.D
Acq On : 15 Aug 2025 07:49
Operator : RC/JU
Sample : Q2815-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-W

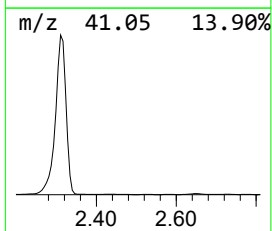
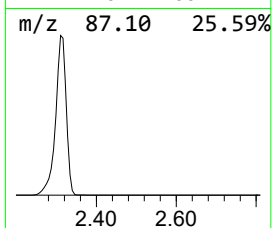
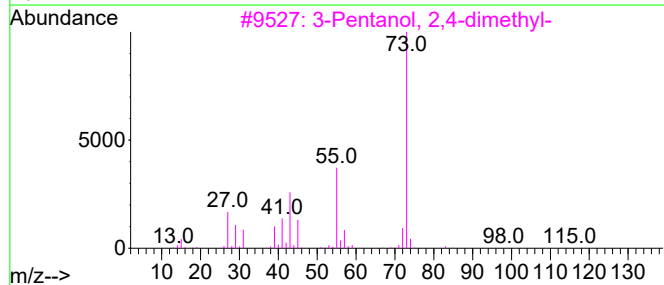
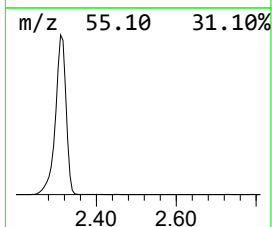
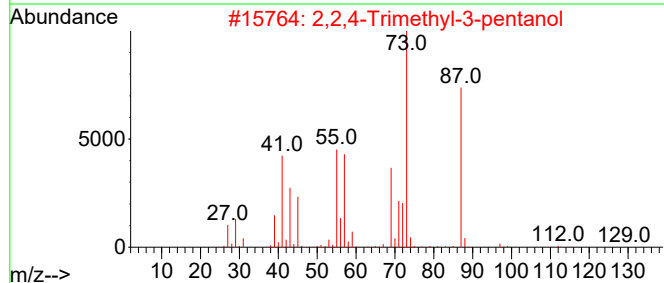
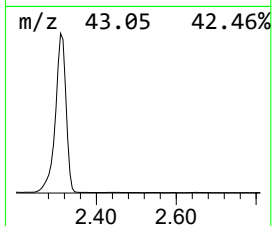
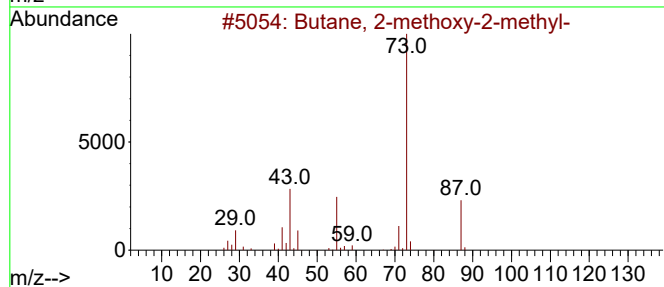
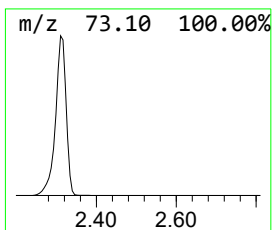
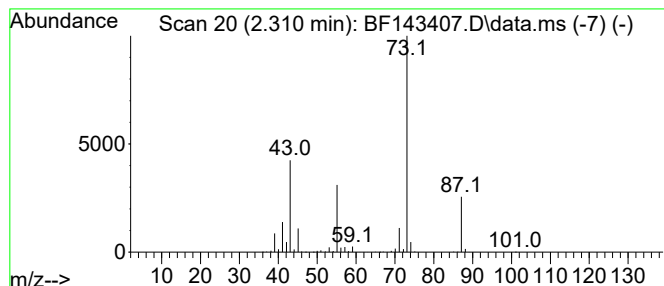
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.310	88.50 ng	3782930	1,4-Dichlorobenzene-d4	6.934

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143407.D
Acq On : 15 Aug 2025 07:49
Operator : RC/JU
Sample : Q2815-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-W

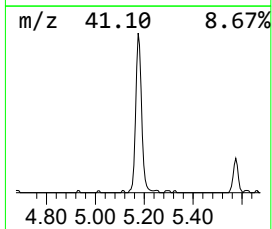
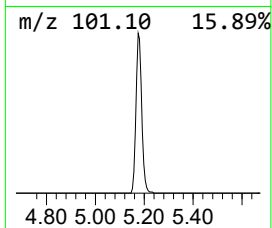
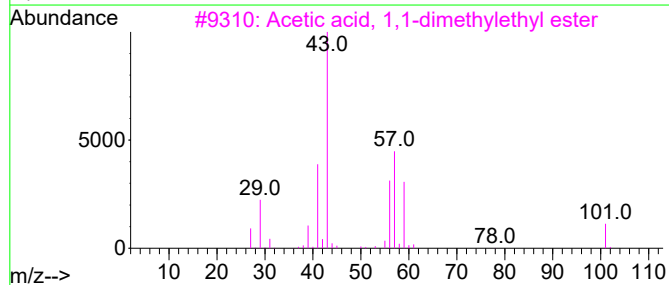
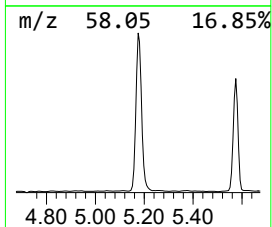
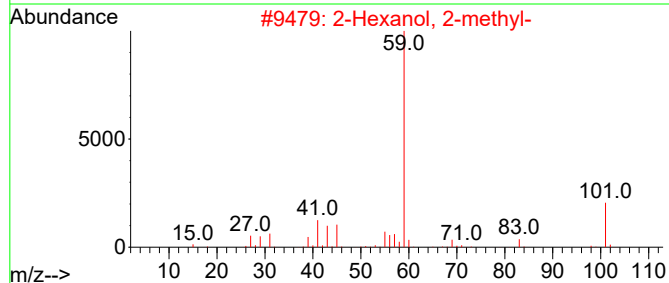
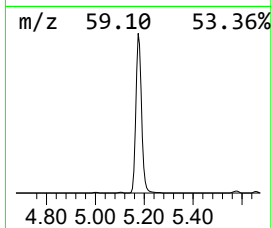
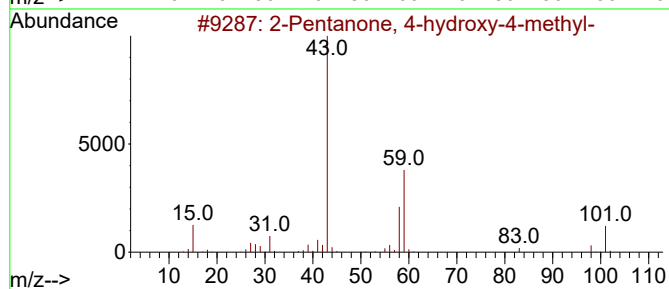
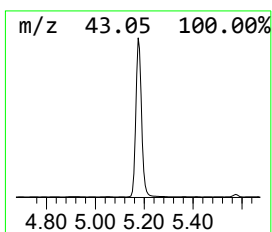
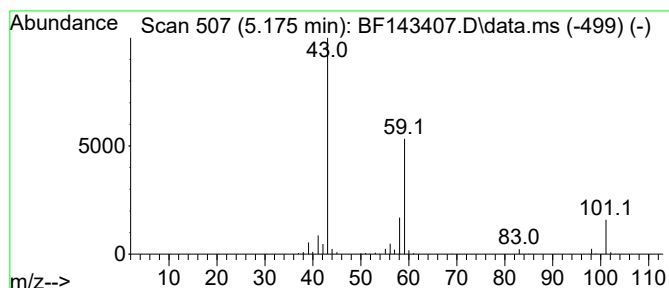
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.175	13.11 ng	560254	1,4-Dichlorobenzene-d4	6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33	
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	32	
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23	
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143407.D
Acq On : 15 Aug 2025 07:49
Operator : RC/JU
Sample : Q2815-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-W

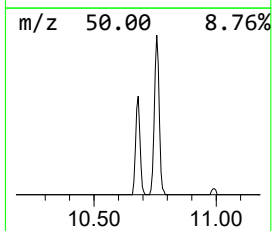
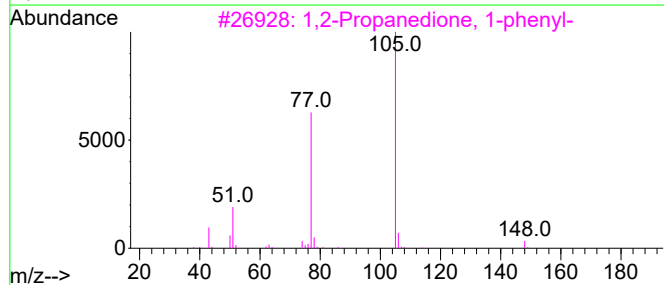
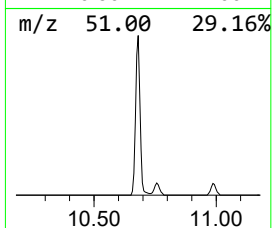
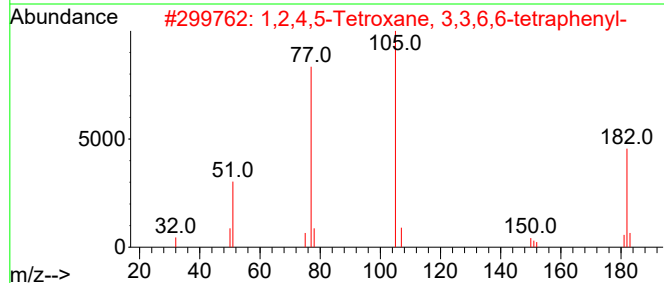
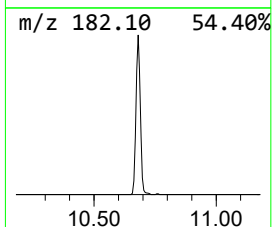
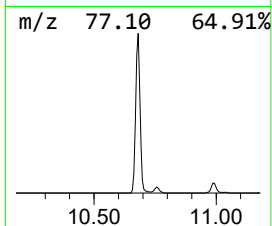
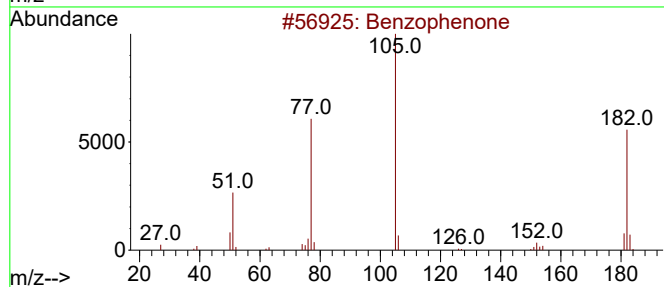
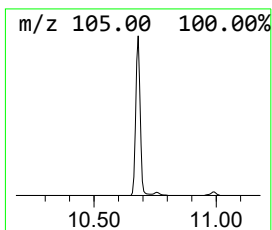
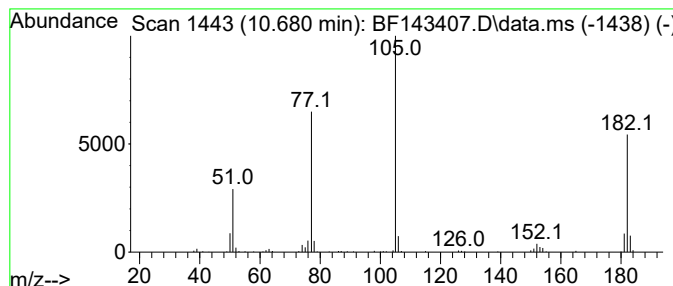
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	4.03 ng	250005	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
4			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	47
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143407.D
Acq On : 15 Aug 2025 07:49
Operator : RC/JU
Sample : Q2815-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-W

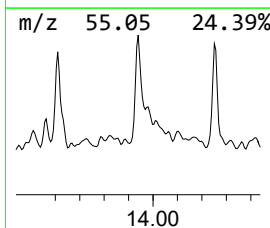
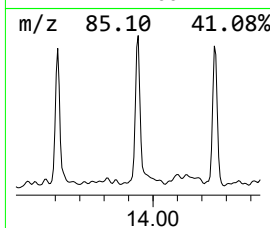
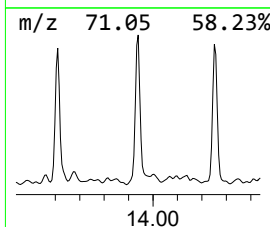
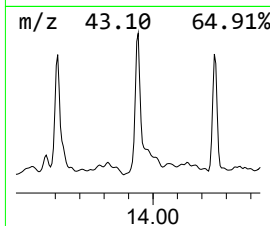
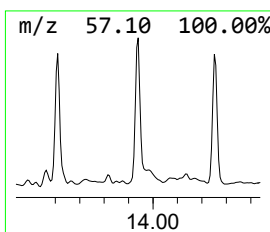
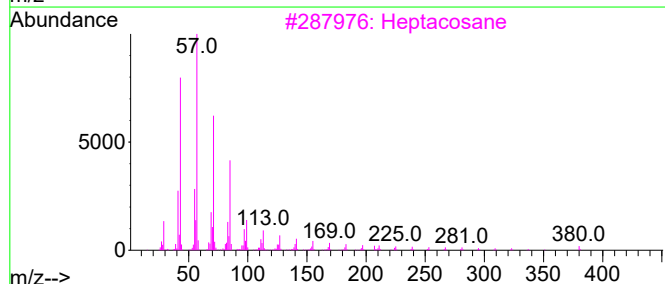
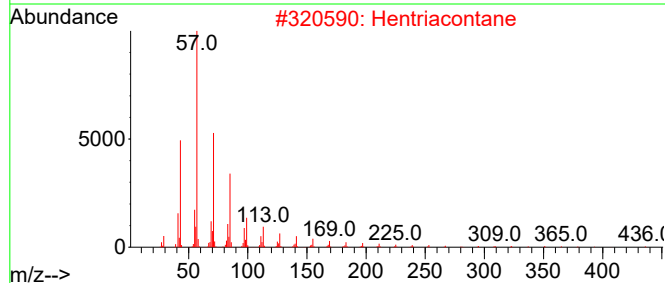
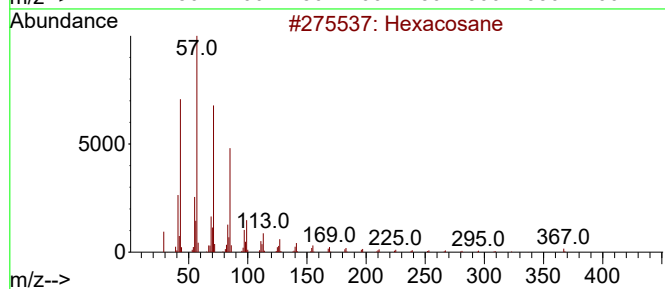
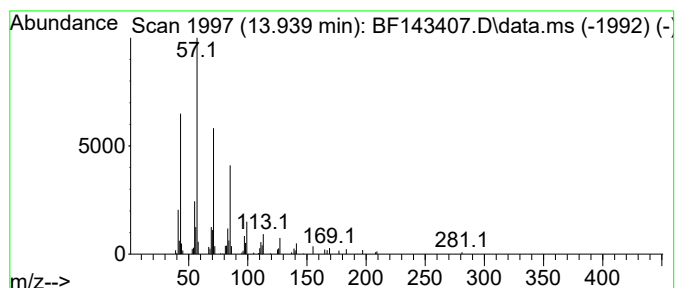
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Hexacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	2.73 ng	95858	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane	366	C26H54	000630-01-3	91
2			Hentriacontane	437	C31H64	000630-04-6	91
3			Heptacosane	380	C27H56	000593-49-7	91
4			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5			Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143407.D
Acq On : 15 Aug 2025 07:49
Operator : RC/JU
Sample : Q2815-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-W

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.310	88.5	ng	3782930	1	6.934	854867	20.0
2-Pentanone, 4-...	5.175	13.1	ng	560254	1	6.934	854867	20.0
Benzophenone	10.680	4.0	ng	250005	3	9.969	1240870	20.0
Hexacosane	13.939	2.7	ng	95858	5	14.098	702895	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143408.D	1	08/12/25 11:39	08/15/25 08:18	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143408.D	1	08/12/25 11:39	08/15/25 08:18	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143408.D	1	08/12/25 11:39	08/15/25 08:18	PB169230

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

SURROGATES

367-12-4	2-Fluorophenol	97.0		19 - 119		65%	SPK: 150
13127-88-3	Phenol-d6	75.4		10 - 130		50%	SPK: 150
4165-60-0	Nitrobenzene-d5	120		44 - 120		120%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		44 - 119		103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		43 - 140		88%	SPK: 150
1718-51-0	Terphenyl-d14	104		50 - 134		104%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	137000	6.934
1146-65-2	Naphthalene-d8	517000	8.216
15067-26-2	Acenaphthene-d10	279000	9.969
1517-22-2	Phenanthrene-d10	404000	11.457
1719-03-5	Chrysene-d12	245000	14.098
1520-96-3	Perylene-d12	305000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	94.5	J		2.30	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	35.4	AB		5.17	ug/L
000119-61-9	Benzophenone	3.70	J		10.7	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-10P-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-06	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143408.D	1	08/12/25 11:39	08/15/25 08:18	PB169230

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143408.D
Acq On : 15 Aug 2025 08:18
Operator : RC/JU
Sample : Q2815-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-N

Quant Time: Aug 15 11:04:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	137416	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	517426	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	279031	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	403823	20.000	ng	0.00
76) Chrysene-d12	14.098	240	244621	20.000	ng	0.00
86) Perylene-d12	15.592	264	304602	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	770773	96.995	ng	0.01
7) Phenol-d6	6.563	99	768070	75.372	ng	0.00
23) Nitrobenzene-d5	7.492	82	993177	119.531	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	267970	131.408	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1695733	103.055	ng	0.00
79) Terphenyl-d14	13.039	244	1427221	104.164	ng	0.00

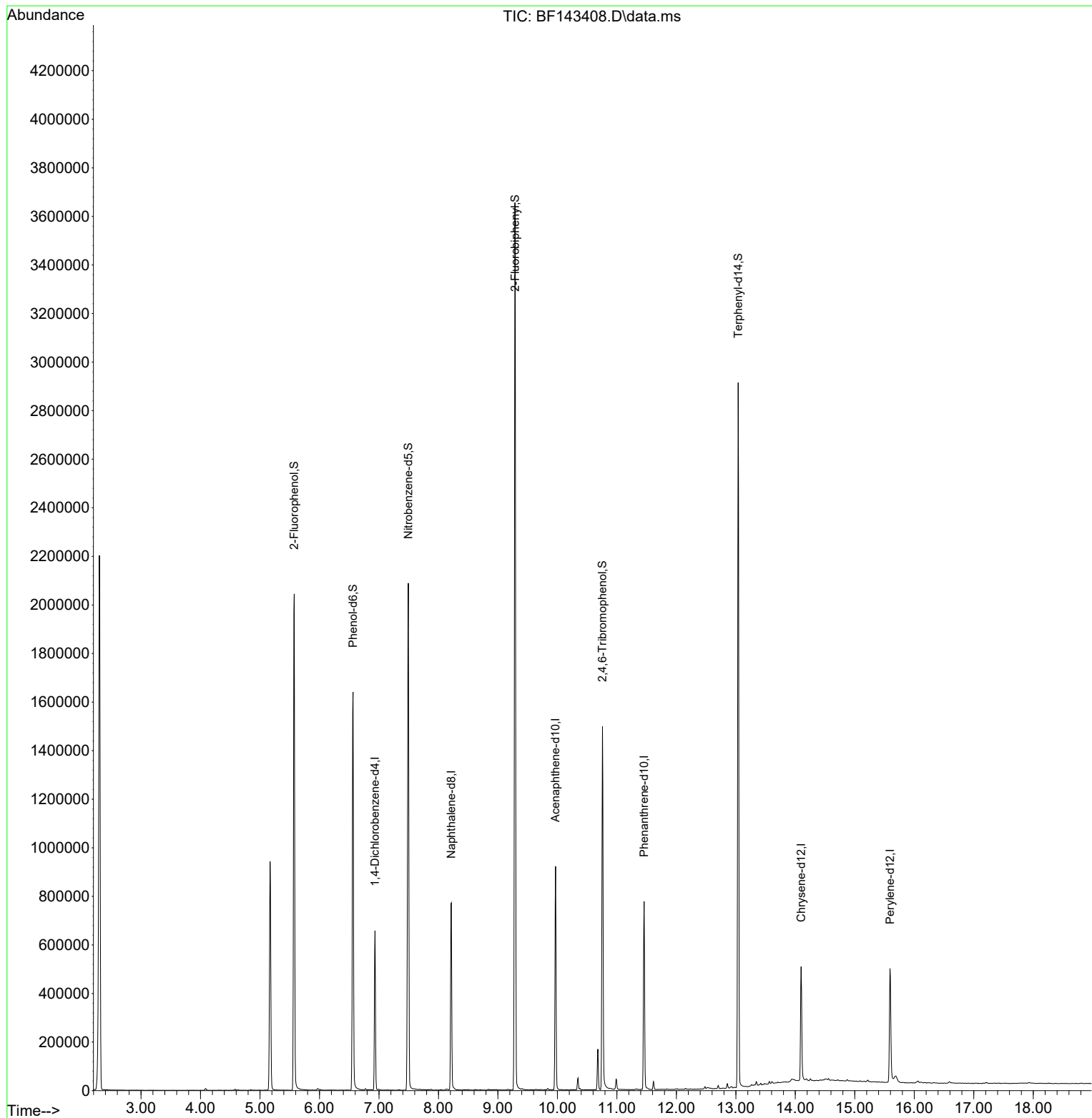
Target Compounds	Qvalue
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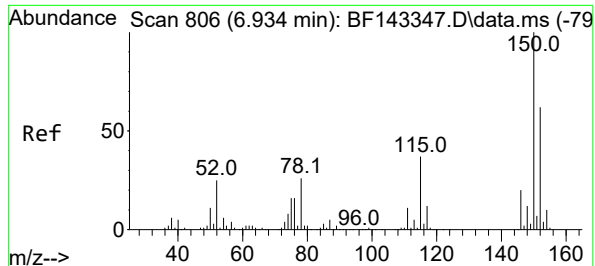
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143408.D
Acq On : 15 Aug 2025 08:18
Operator : RC/JU
Sample : Q2815-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-N

Quant Time: Aug 15 11:04:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

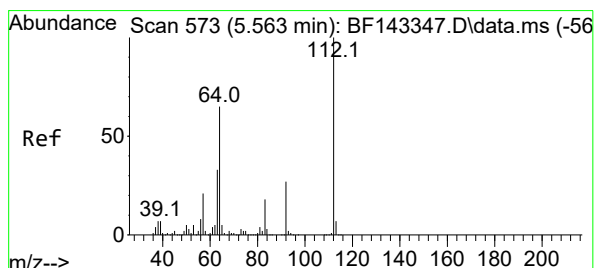
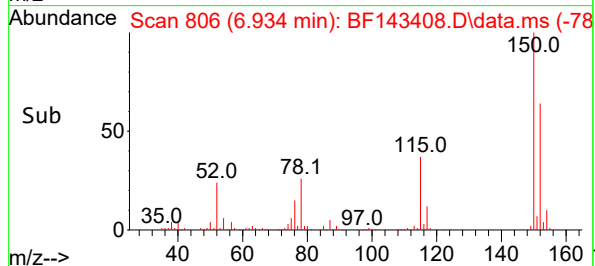
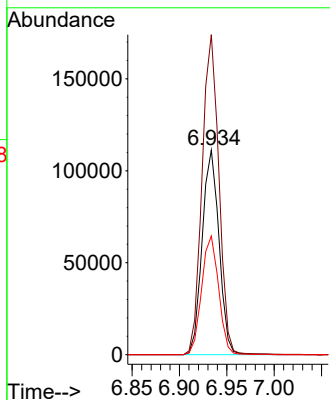
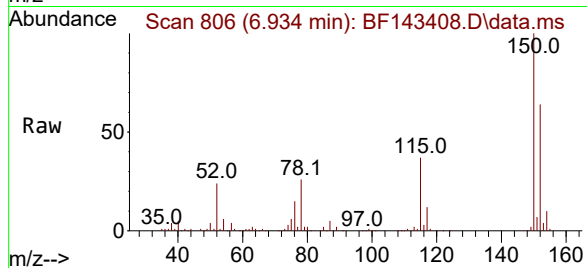




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

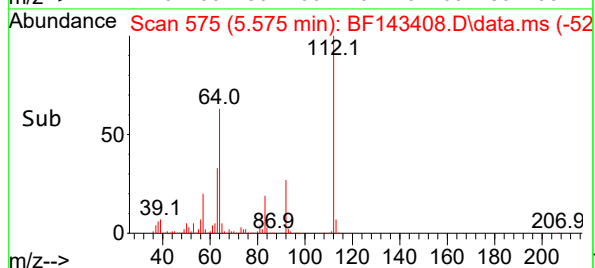
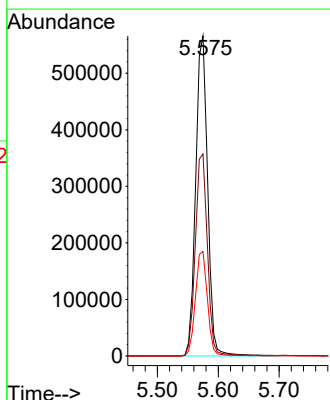
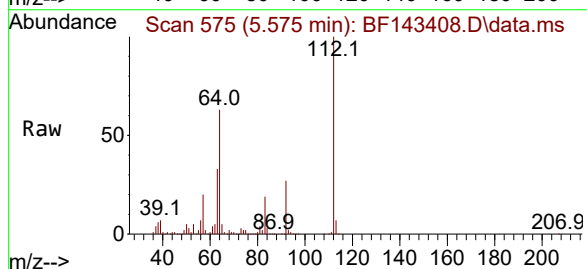
Instrument :
BNA_F
ClientSampleId :
TW-10P-N

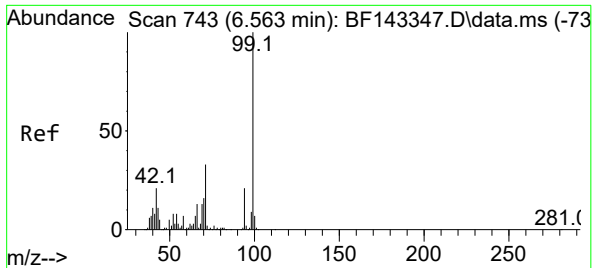
Tgt Ion:152 Resp: 137416
Ion Ratio Lower Upper
152 100
150 156.4 129.8 194.8
115 58.0 47.8 71.8



#5
2-Fluorophenol
Concen: 96.995 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

Tgt Ion:112 Resp: 770773
Ion Ratio Lower Upper
112 100
64 63.1 52.1 78.1
63 32.7 26.6 39.8

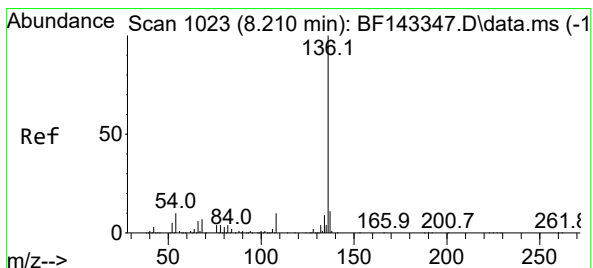
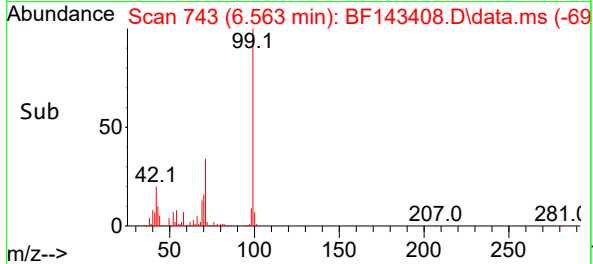
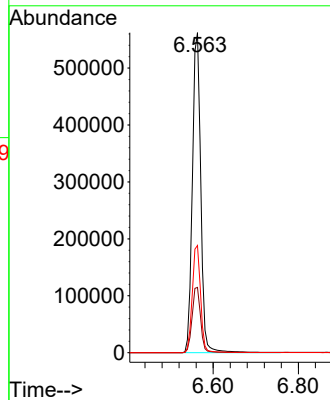
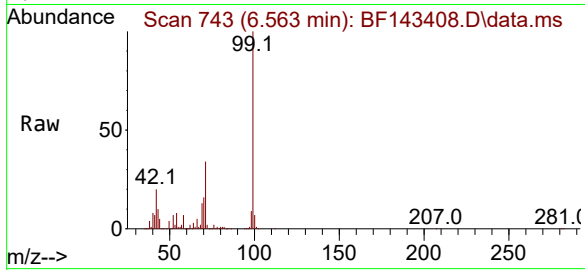




#7
Phenol-d6
Concen: 75.372 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

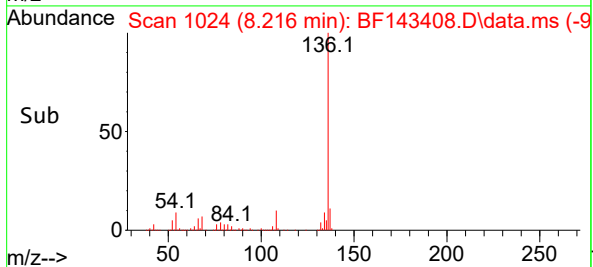
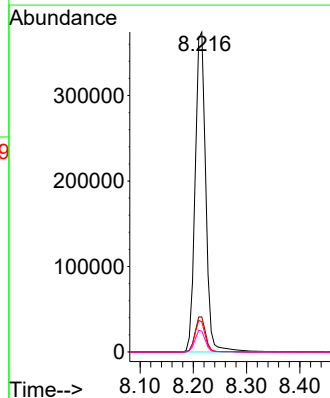
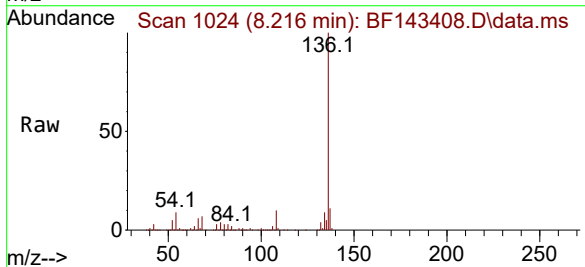
Instrument :
BNA_F
ClientSampleId :
TW-10P-N

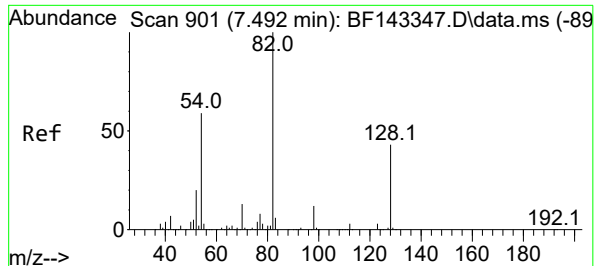
Tgt Ion: 99 Resp: 768070
Ion Ratio Lower Upper
99 100
42 20.4 16.6 25.0
71 33.5 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143408.D
Acq: 15 Aug 2025 08:18

Tgt Ion: 136 Resp: 517426
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.4 8.4 12.6
68 6.5 5.9 8.9





#23

Nitrobenzene-d5

Concen: 119.531 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

Instrument :

BNA_F

ClientSampleId :

TW-10P-N

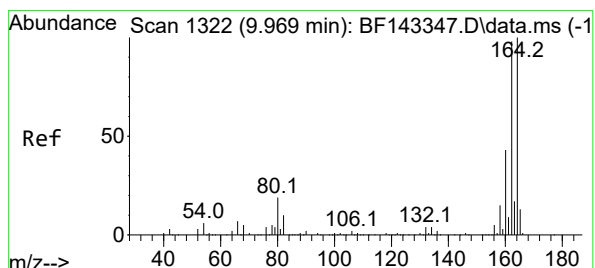
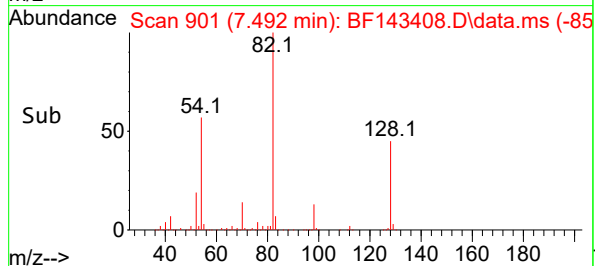
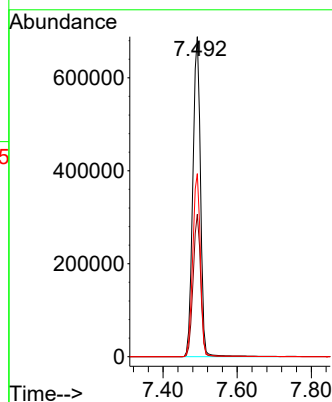
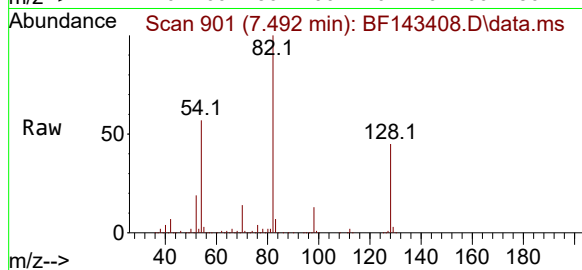
Tgt Ion: 82 Resp: 993177

Ion Ratio Lower Upper

82 100

128 44.5 33.5 50.3

54 57.2 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

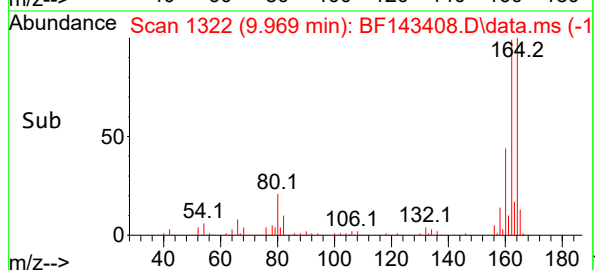
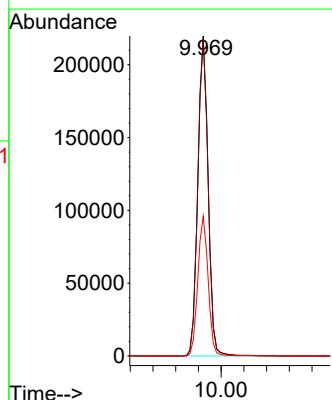
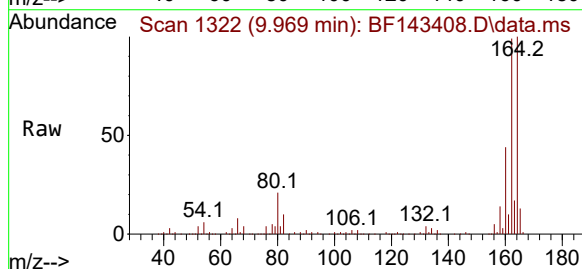
Tgt Ion: 164 Resp: 279031

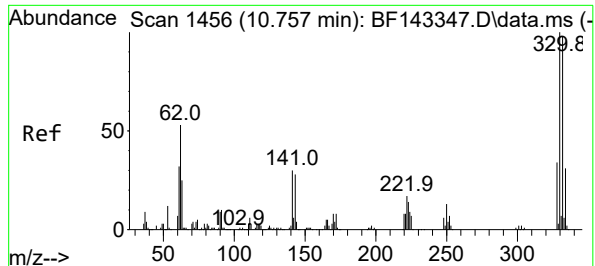
Ion Ratio Lower Upper

164 100

162 98.8 78.6 118.0

160 43.7 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 131.408 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

Instrument :

BNA_F

ClientSampleId :

TW-10P-N

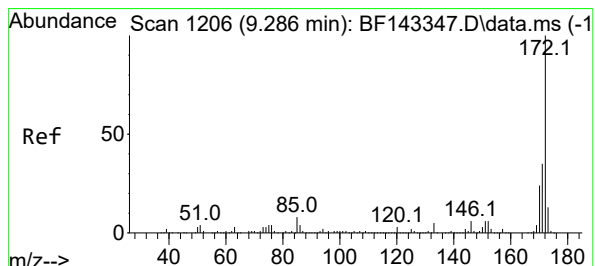
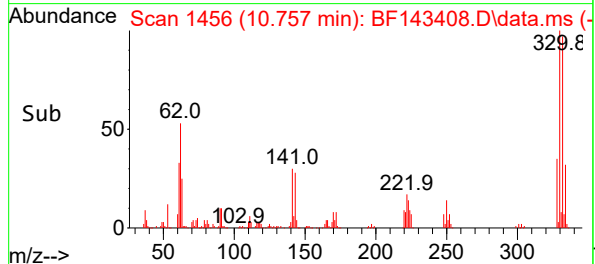
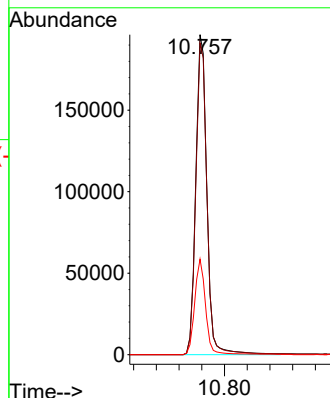
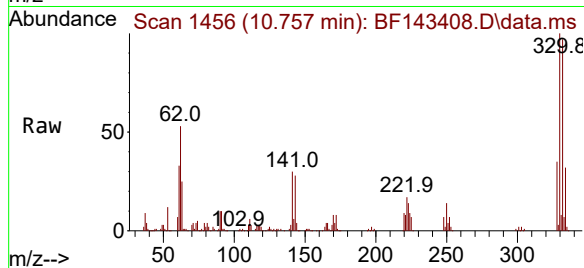
Tgt Ion:330 Resp: 267970

Ion Ratio Lower Upper

330 100

332 98.3 78.1 117.1

141 29.7 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 103.055 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

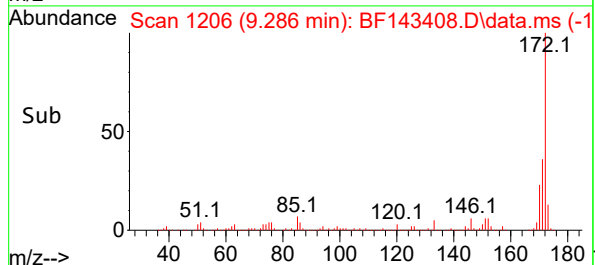
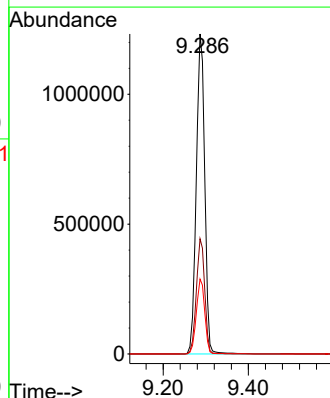
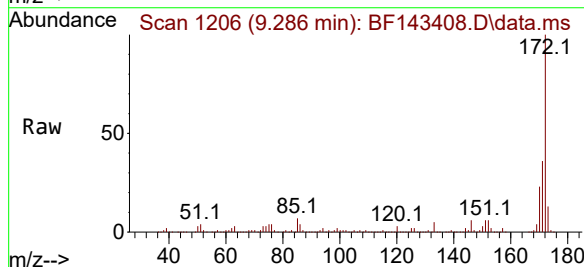
Tgt Ion:172 Resp: 1695733

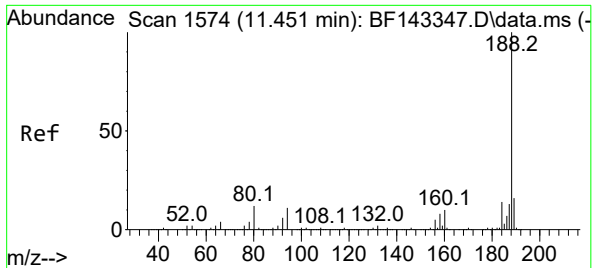
Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.4 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

Instrument :

BNA_F

ClientSampleId :

TW-10P-N

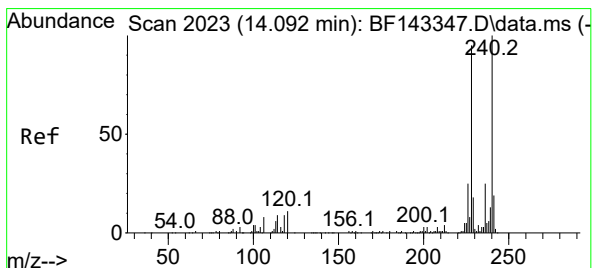
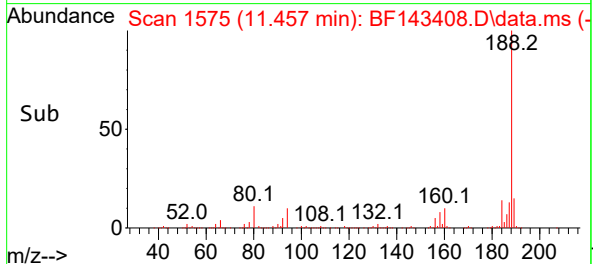
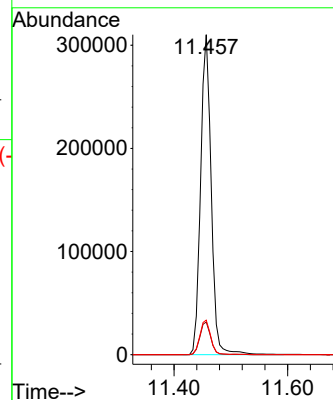
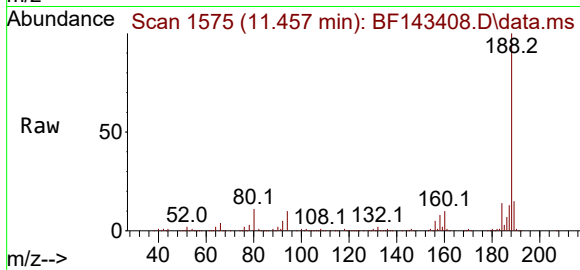
Tgt Ion:188 Resp: 403823

Ion Ratio Lower Upper

188 100

94 10.2 8.8 13.2

80 10.8 9.7 14.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

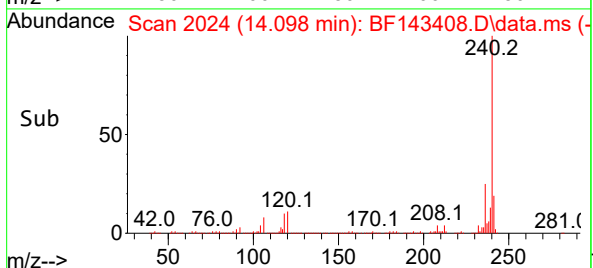
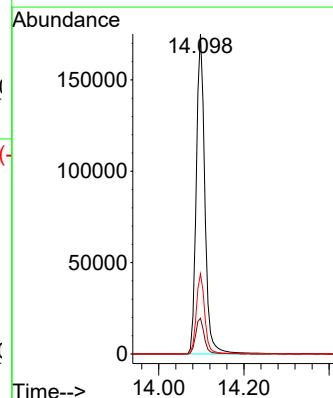
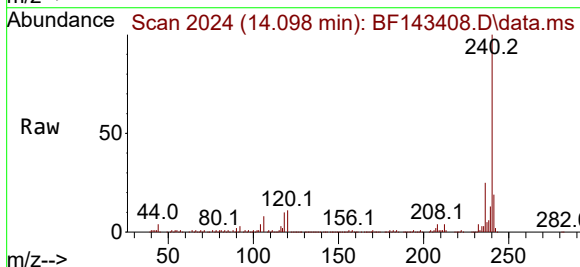
Tgt Ion:240 Resp: 244621

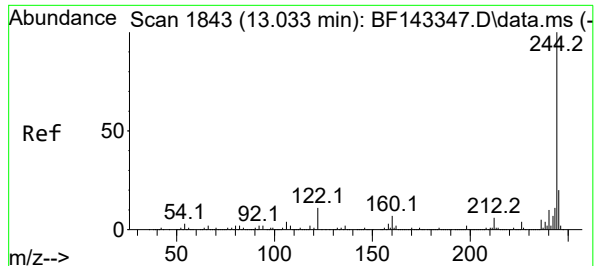
Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.6

236 25.0 19.9 29.9





#79

Terphenyl-d14

Concen: 104.164 ng

RT: 13.039 min Scan# 1843

Delta R.T. 0.006 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

Instrument :

BNA_F

ClientSampleId :

TW-10P-N

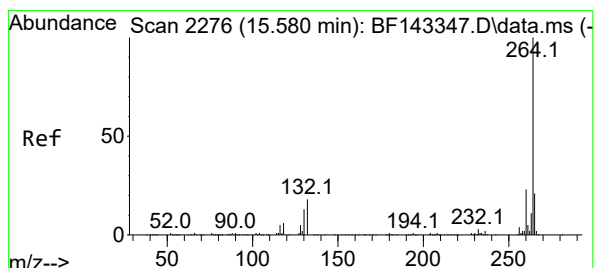
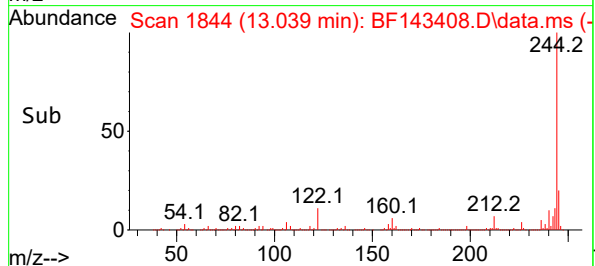
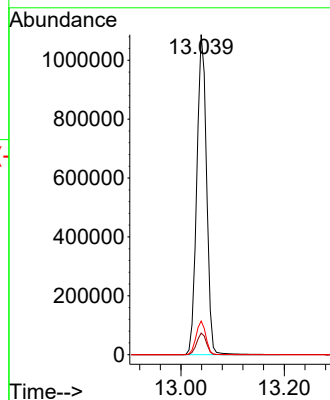
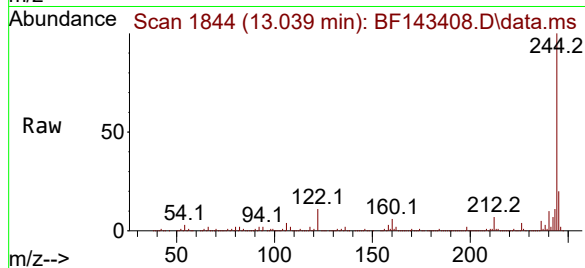
Tgt Ion:244 Resp: 1427221

Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 10.5 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143408.D

Acq: 15 Aug 2025 08:18

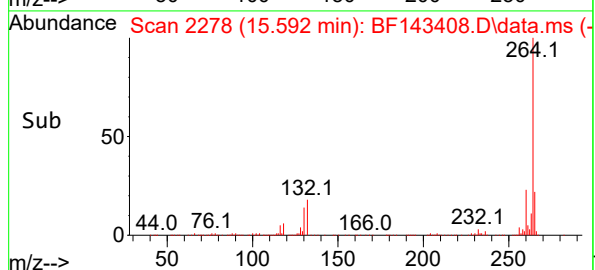
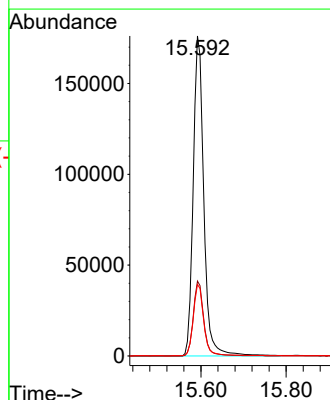
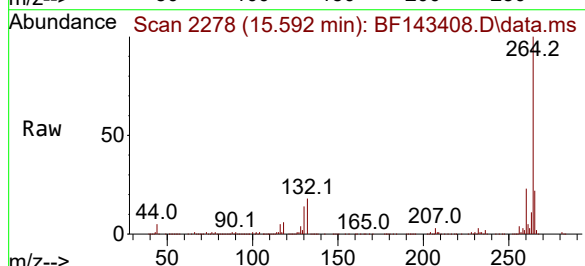
Tgt Ion:264 Resp: 304602

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 22.3 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143408.D
Acq On : 15 Aug 2025 08:18
Operator : RC/JU
Sample : Q2815-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-N

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143408.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.299	6	18	29	rVB	2199715	3835814	77.15%	12.830%
2	5.169	499	506	524	rBV	940836	1434816	28.86%	4.799%
3	5.575	569	575	597	rBV	2043198	2812813	56.57%	9.409%
4	6.563	737	743	773	rBV	1638856	2249667	45.25%	7.525%
5	6.934	801	806	813	rBV	656106	811655	16.32%	2.715%
6	7.492	894	901	906	rBV	2086707	2964071	59.62%	9.915%
7	8.216	1018	1024	1042	rVB	768971	1062936	21.38%	3.555%
8	9.286	1200	1206	1223	rBV	3653426	4971954	100.00%	16.631%
9	9.969	1316	1322	1337	rVB	919416	1165262	23.44%	3.898%
10	10.345	1381	1386	1390	rBV	47838	60764	1.22%	0.203%
11	10.680	1438	1443	1451	rBV	167187	214553	4.32%	0.718%
12	10.757	1451	1456	1474	rBV	1494841	2010661	40.44%	6.725%
13	10.986	1489	1495	1504	rVB	42286	60789	1.22%	0.203%
14	11.457	1570	1575	1583	rBV	773912	994421	20.00%	3.326%
15	13.039	1838	1844	1858	rBV	2902605	3804376	76.52%	12.725%
16	14.098	2019	2024	2035	rBV	467277	644388	12.96%	2.155%
17	15.592	2272	2278	2287	rBV	467813	797153	16.03%	2.666%

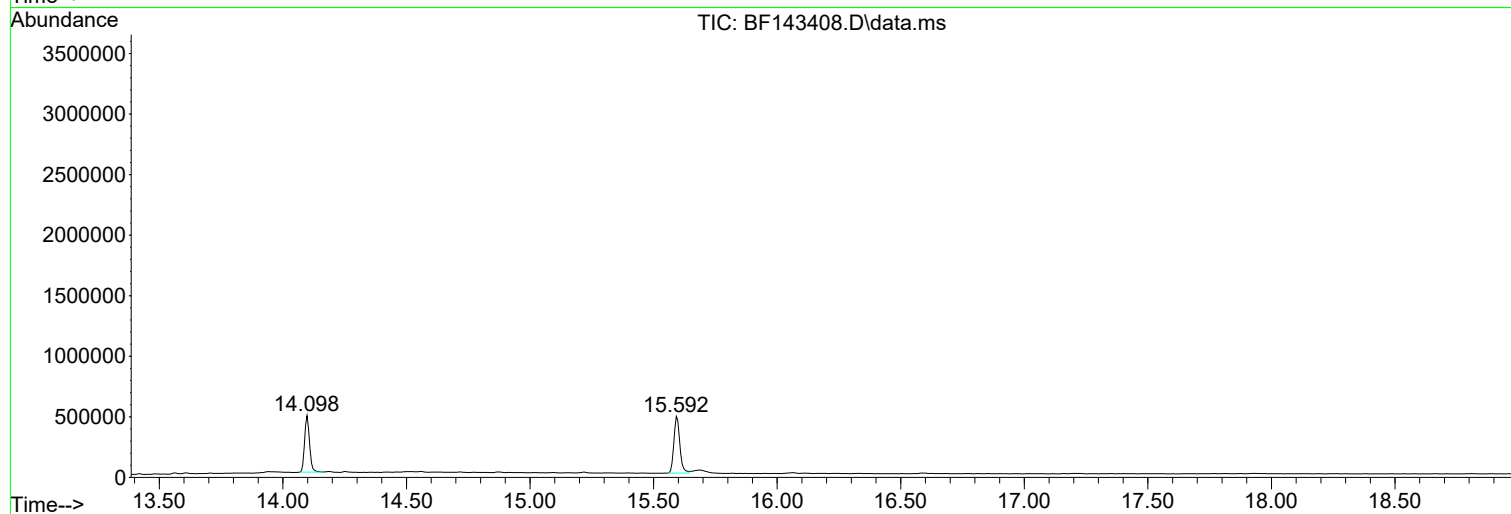
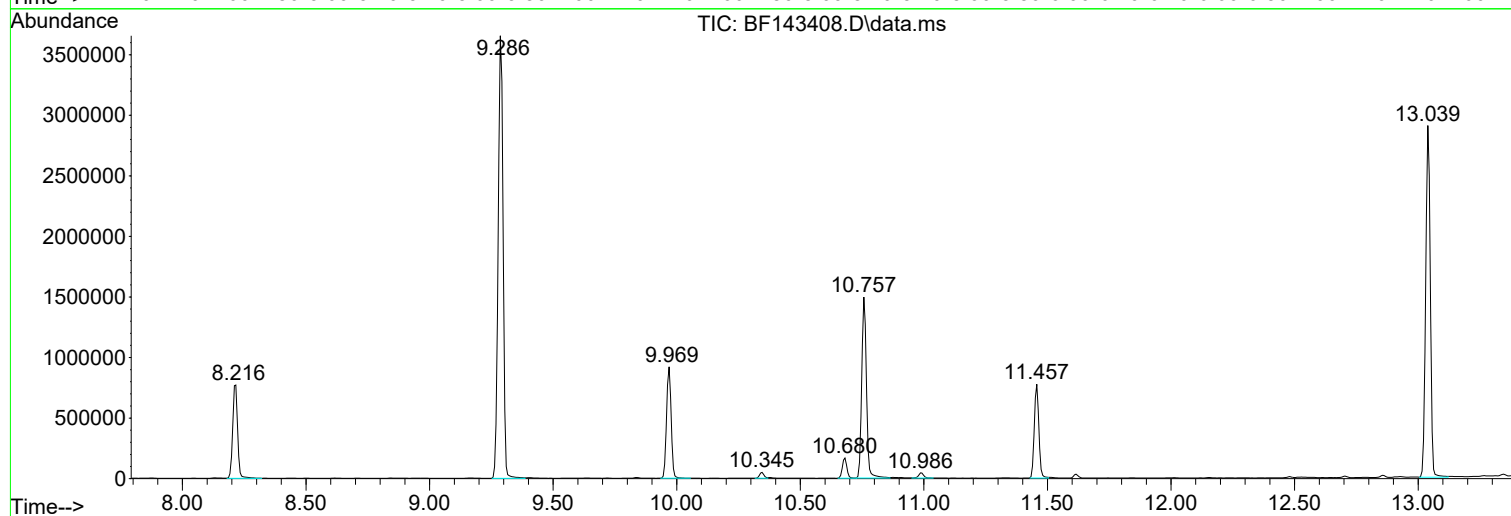
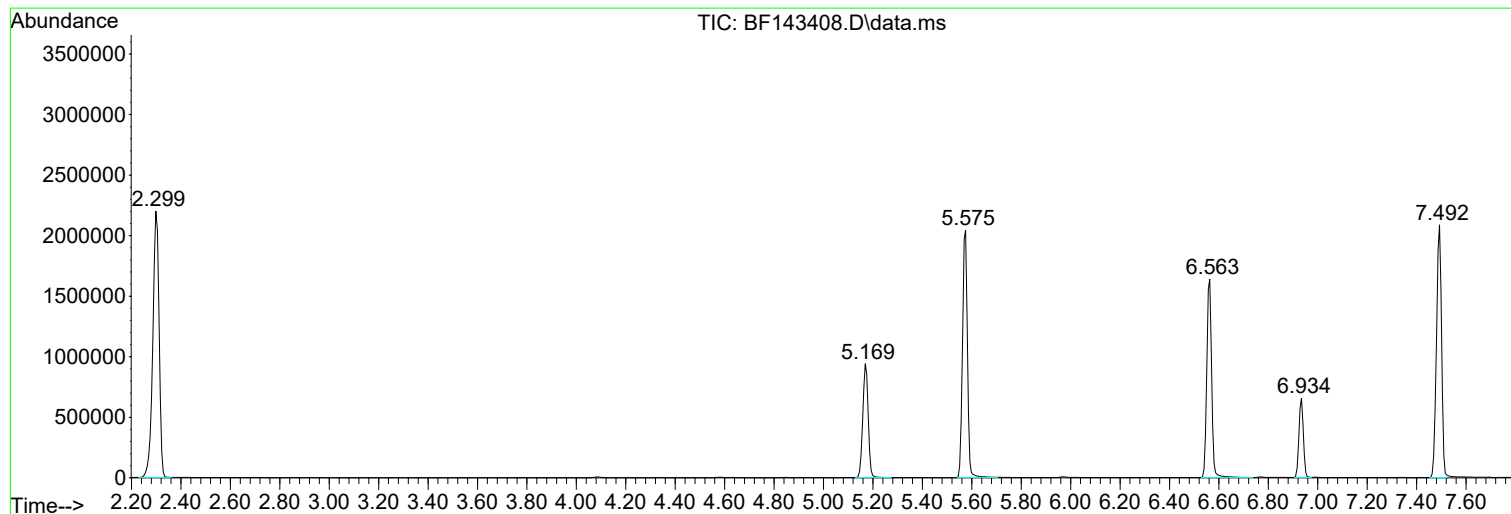
Sum of corrected areas: 29896093

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143408.D
Acq On : 15 Aug 2025 08:18
Operator : RC/JU
Sample : Q2815-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-N

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143408.D
Acq On : 15 Aug 2025 08:18
Operator : RC/JU
Sample : Q2815-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-N

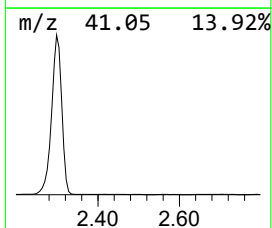
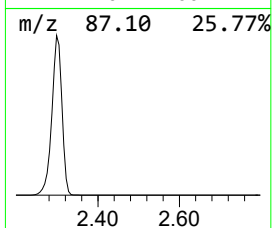
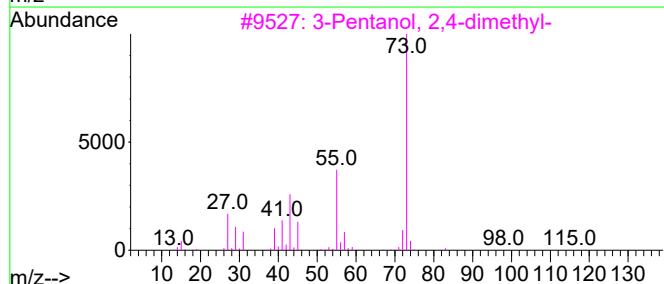
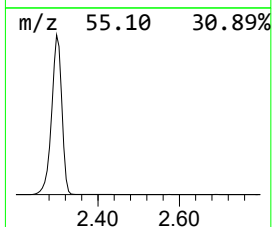
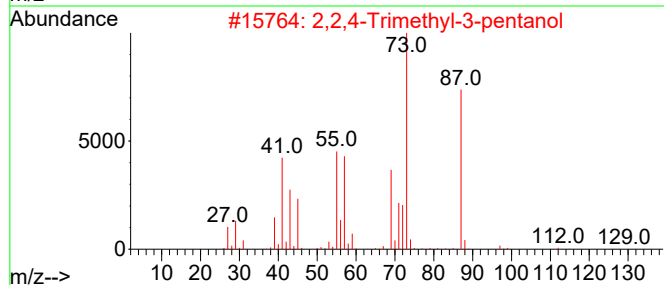
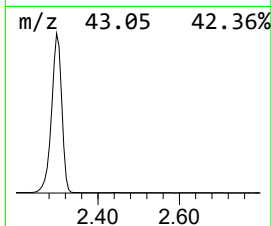
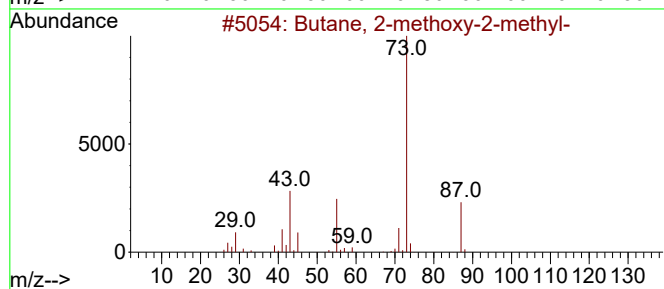
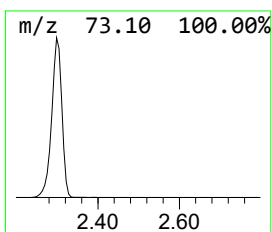
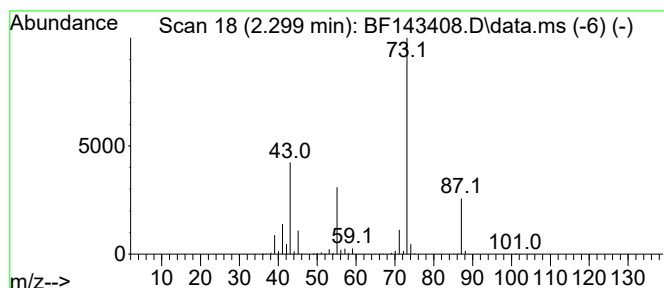
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.299	94.52 ng	3835810	1,4-Dichlorobenzene-d4	6.934

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143408.D
Acq On : 15 Aug 2025 08:18
Operator : RC/JU
Sample : Q2815-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-N

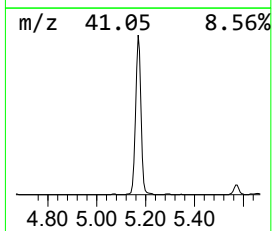
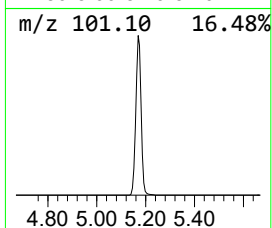
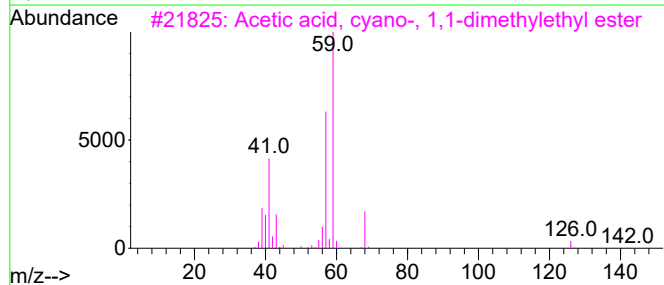
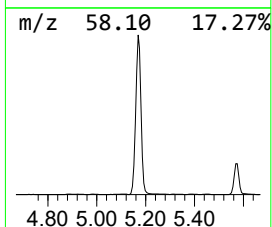
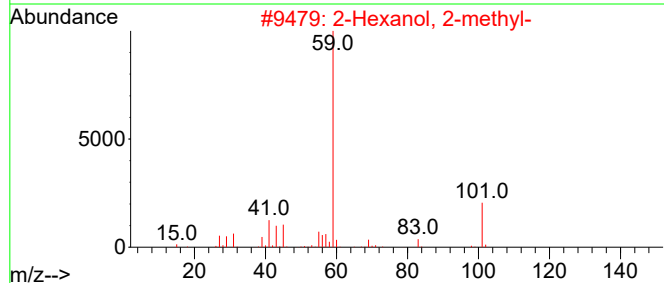
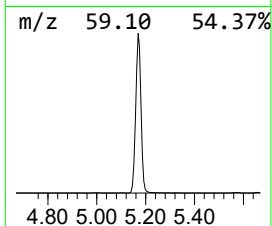
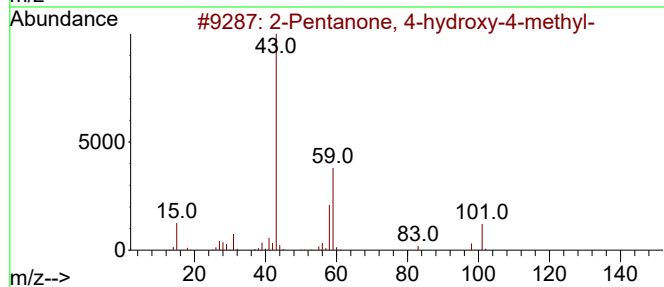
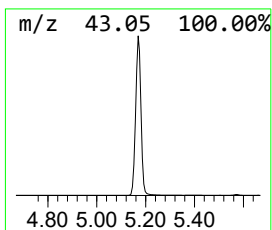
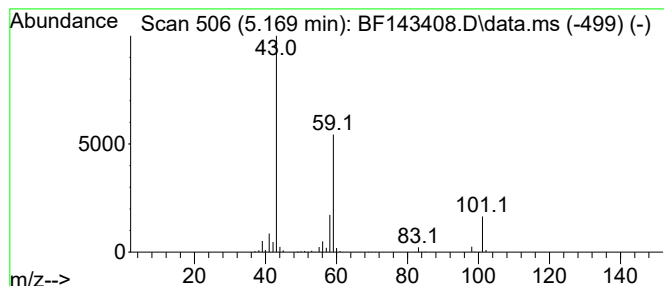
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.169	35.36 ng	1434820	1,4-Dichlorobenzene-d4			6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2		000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O		000625-23-0	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2		001116-98-9	25
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2		000540-88-5	17
5	2,3-Butanedione, monooxime	101	C4H7NO2		000057-71-6	16



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143408.D
Acq On : 15 Aug 2025 08:18
Operator : RC/JU
Sample : Q2815-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-N

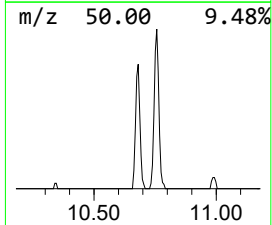
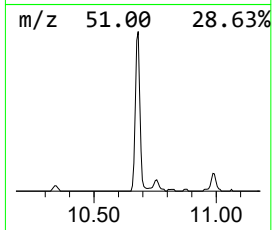
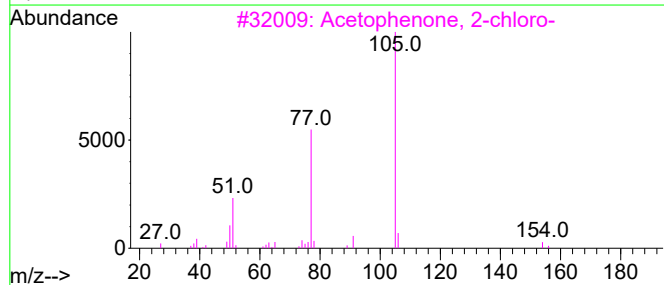
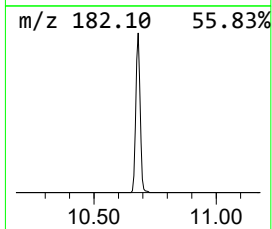
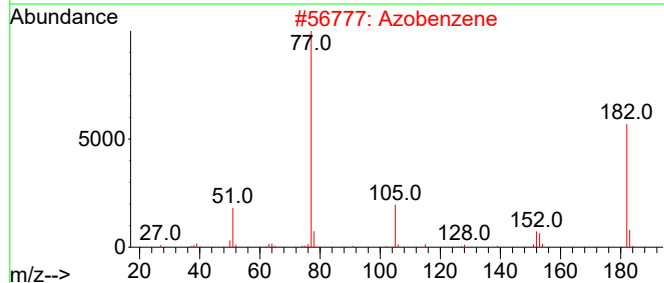
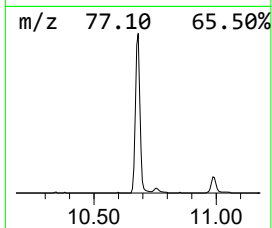
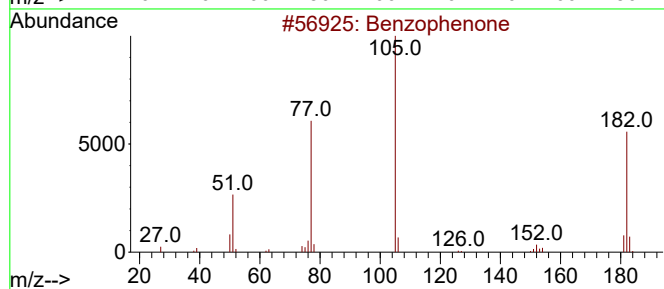
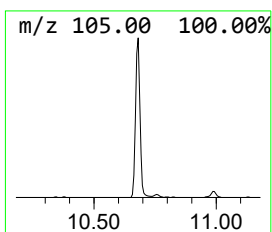
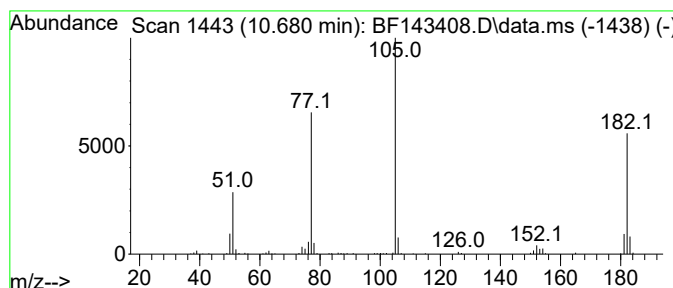
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	3.68 ng	214553	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	53
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
5			Benzeneacetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143408.D
Acq On : 15 Aug 2025 08:18
Operator : RC/JU
Sample : Q2815-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-10P-N

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.299	94.5	ng	3835810	1	6.934	811655	20.0
2-Pentanone, 4-...	5.169	35.4	ng	1434820	1	6.934	811655	20.0
Benzophenone	10.680	3.7	ng	214553	3	9.969	1165260	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143409.D	1	08/12/25 11:39	08/15/25 08:48	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143409.D	1	08/12/25 11:39	08/15/25 08:48	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143409.D	1	08/12/25 11:39	08/15/25 08:48	PB169230

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

SURROGATES

367-12-4	2-Fluorophenol	83.8		19 - 119	56%	SPK: 150
13127-88-3	Phenol-d6	74.0		10 - 130	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.8		44 - 120	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.8		44 - 119	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	114		43 - 140	76%	SPK: 150
1718-51-0	Terphenyl-d14	63.6		50 - 134	64%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	141000	6.934
1146-65-2	Naphthalene-d8	542000	8.21
15067-26-2	Acenaphthene-d10	289000	9.969
1517-22-2	Phenanthrene-d10	429000	11.457
1719-03-5	Chrysene-d12	260000	14.098
1520-96-3	Perylene-d12	317000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	100	J	2.28	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	11.1	AB	5.16	ug/L
000119-61-9	Benzophenone	6.80	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.90	J	12.0	ug/L
007098-22-8	Tetratetracontane	4.00	J	13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-07	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
Prep Method :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143409.D	1	08/12/25 11:39	08/15/25 08:48	PB169230

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143409.D
Acq On : 15 Aug 2025 08:48
Operator : RC/JU
Sample : Q2815-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-E

Quant Time: Aug 15 11:04:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	141186	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	541543	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	289147	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	429306	20.000	ng	0.00
76) Chrysene-d12	14.098	240	260079	20.000	ng	0.00
86) Perylene-d12	15.592	264	317026	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	684088	83.788	ng	0.00
7) Phenol-d6	6.563	99	775193	74.040	ng	0.00
23) Nitrobenzene-d5	7.487	82	641463	73.764	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	241633	114.347	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1172491	68.763	ng	0.00
79) Terphenyl-d14	13.039	244	926747	63.617	ng	0.00

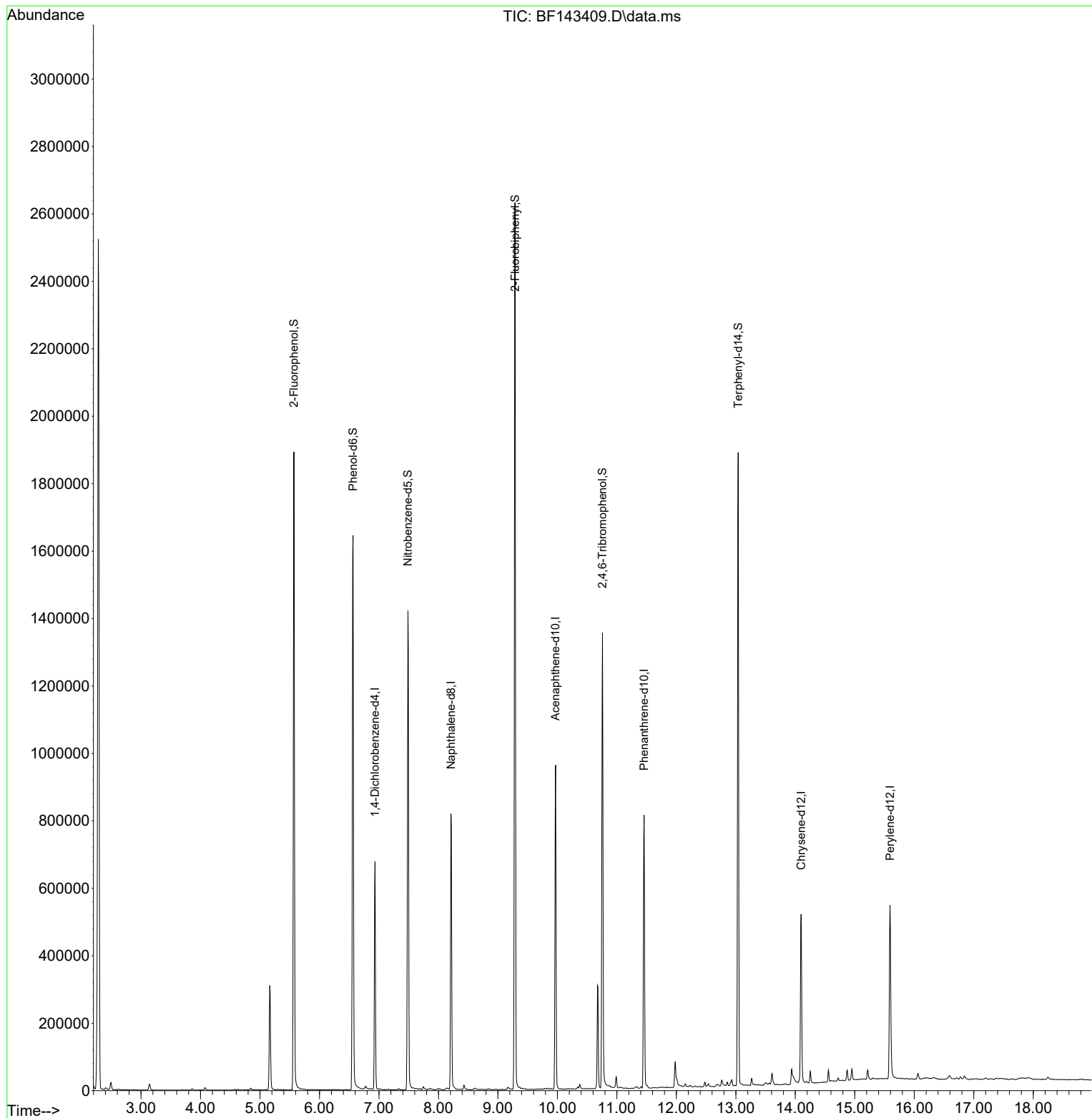
Target Compounds	Qvalue
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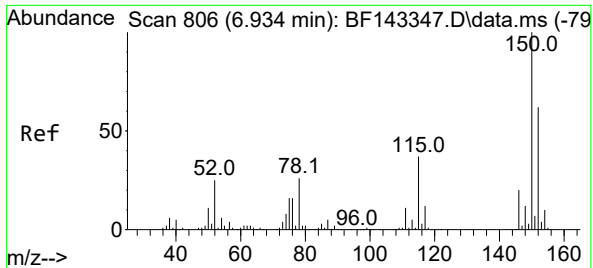
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143409.D
Acq On : 15 Aug 2025 08:48
Operator : RC/JU
Sample : Q2815-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-E

Quant Time: Aug 15 11:04:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

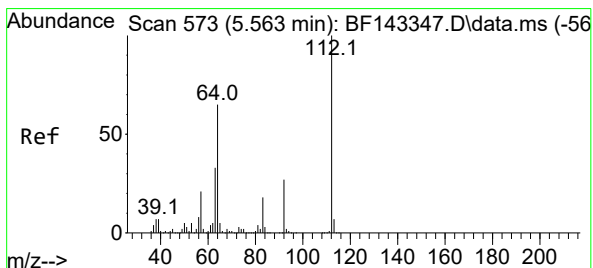
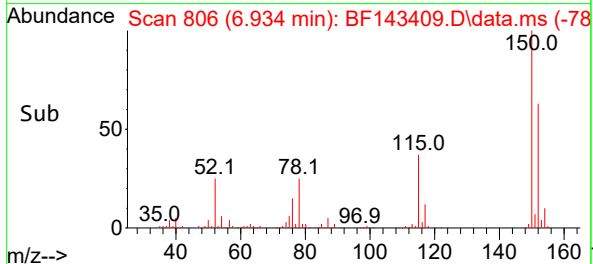
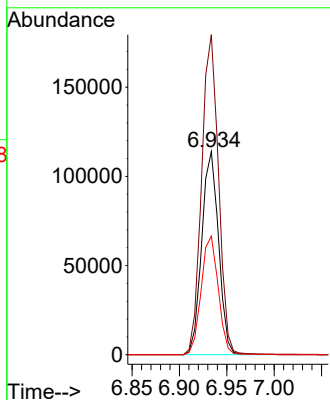
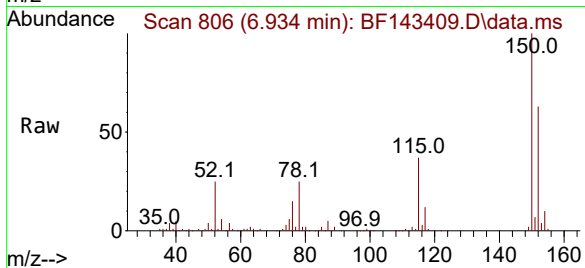




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

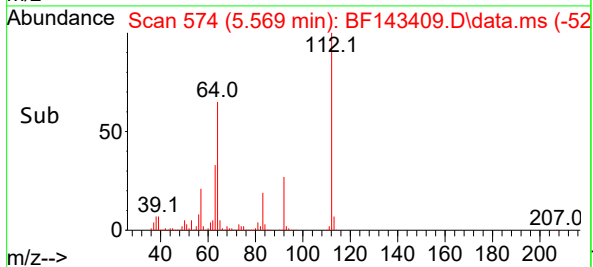
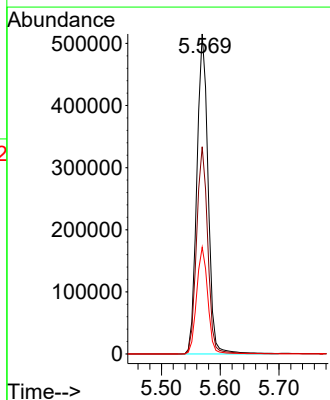
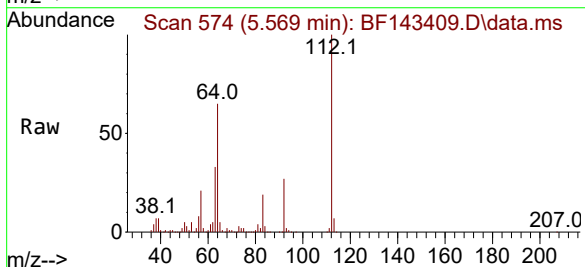
Instrument :
BNA_F
ClientSampleId :
TW-88H-E

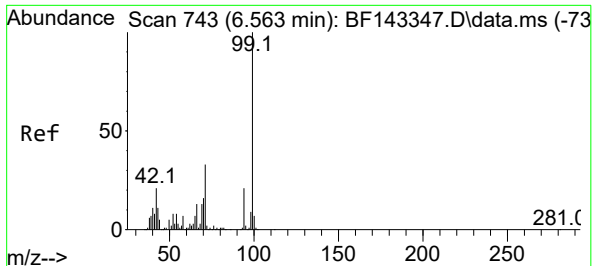
Tgt Ion:152 Resp: 141186
Ion Ratio Lower Upper
152 100
150 157.6 129.8 194.8
115 58.4 47.8 71.8



#5
2-Fluorophenol
Concen: 83.788 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

Tgt Ion:112 Resp: 684088
Ion Ratio Lower Upper
112 100
64 64.7 52.1 78.1
63 33.3 26.6 39.8

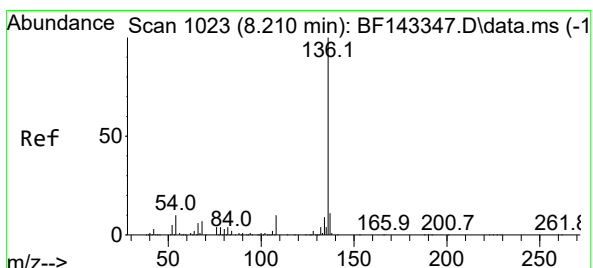
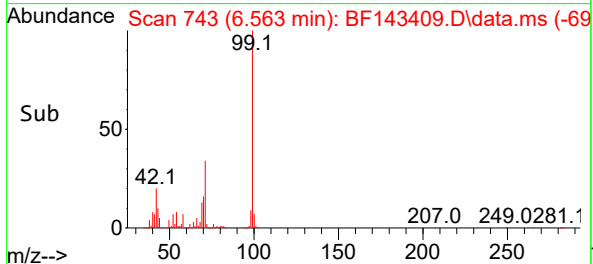
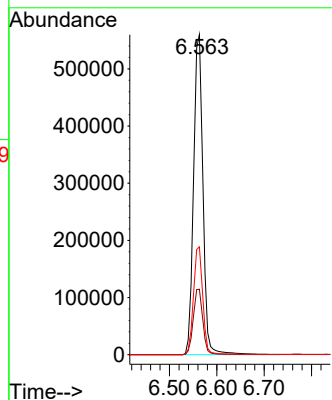
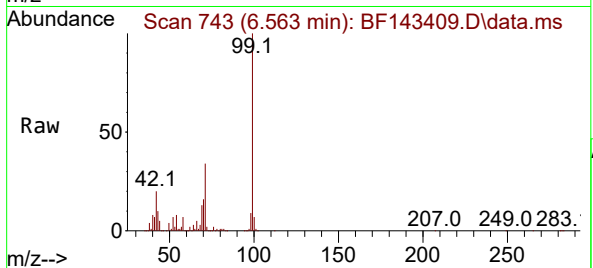




#7
Phenol-d6
Concen: 74.040 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

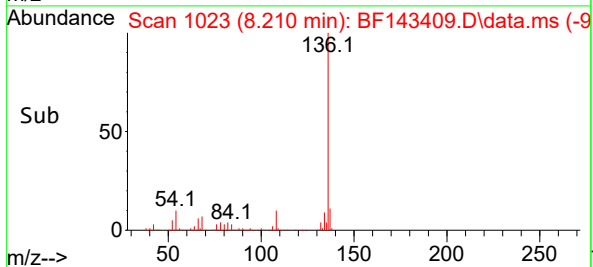
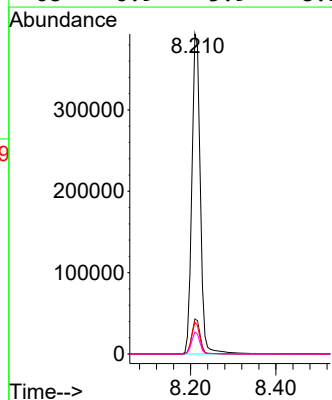
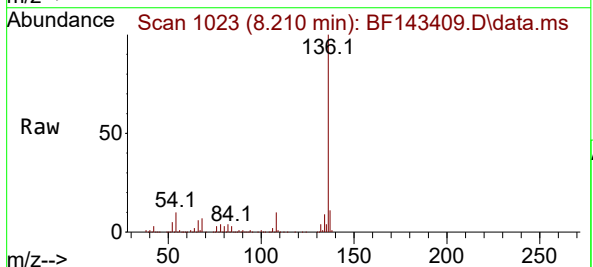
Instrument :
BNA_F
ClientSampleId :
TW-88H-E

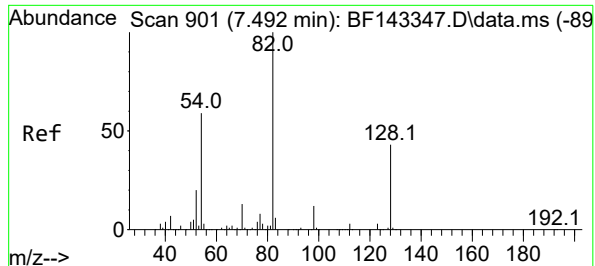
Tgt Ion: 99 Resp: 775193
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 33.7 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

Tgt Ion: 136 Resp: 541543
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.9 8.4 12.6
68 6.9 5.9 8.9





#23

Nitrobenzene-d5

Concen: 73.764 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

Instrument :

BNA_F

ClientSampleId :

TW-88H-E

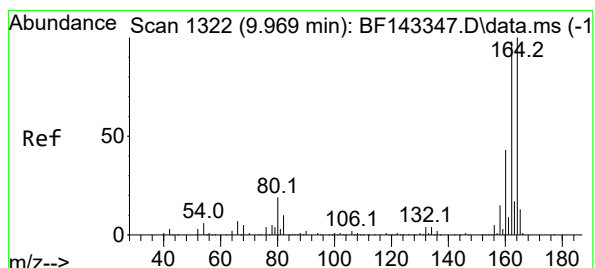
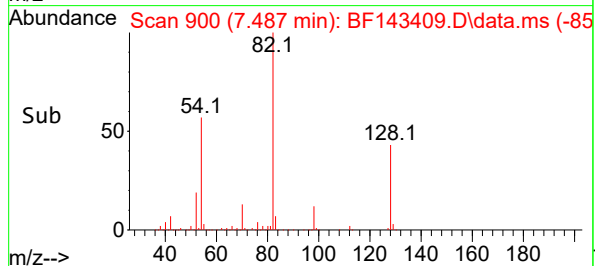
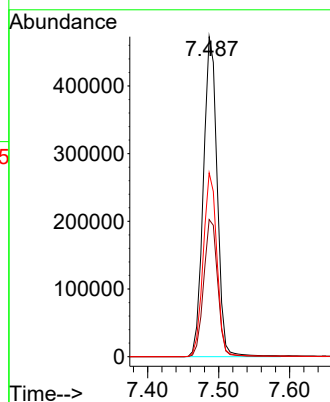
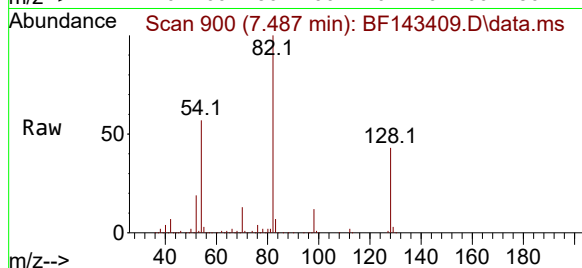
Tgt Ion: 82 Resp: 641463

Ion Ratio Lower Upper

82 100

128 42.9 33.5 50.3

54 57.4 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

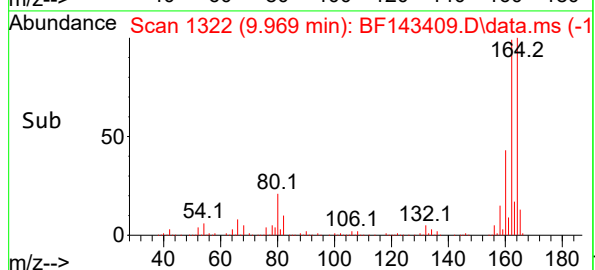
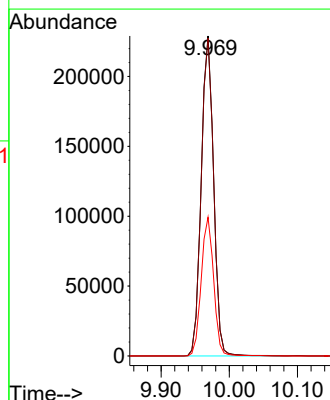
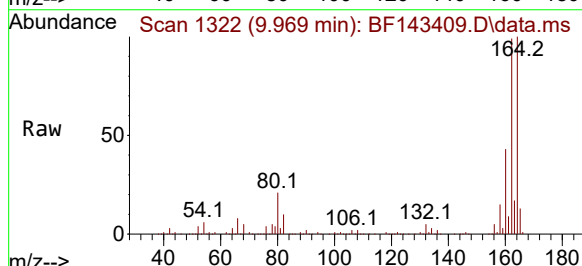
Tgt Ion: 164 Resp: 289147

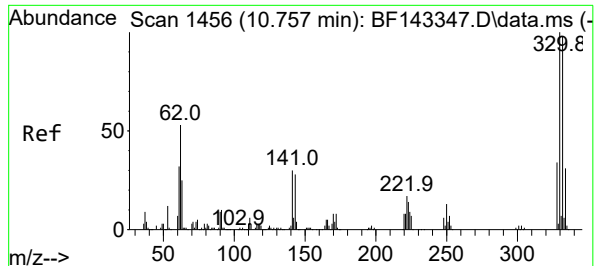
Ion Ratio Lower Upper

164 100

162 99.4 78.6 118.0

160 43.3 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 114.347 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

Instrument :

BNA_F

ClientSampleId :

TW-88H-E

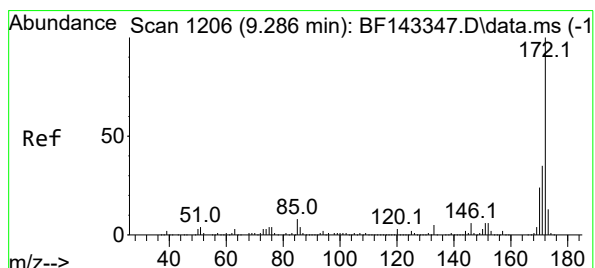
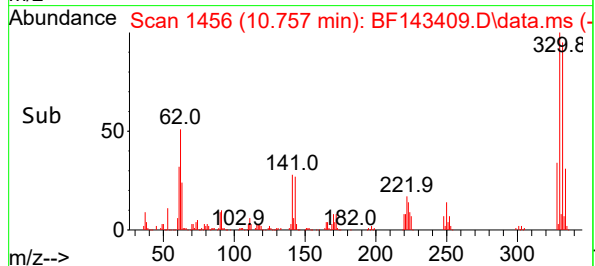
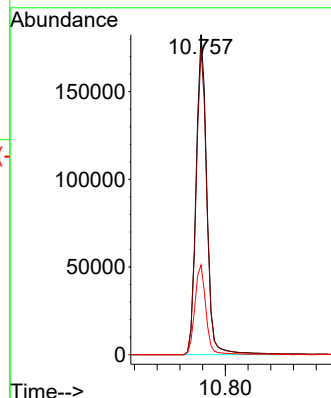
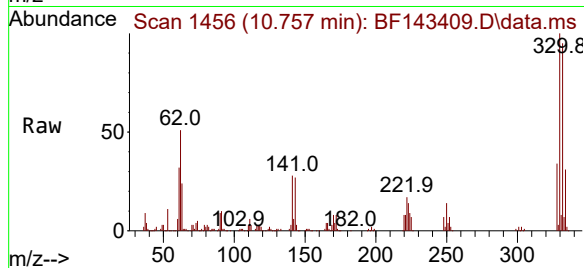
Tgt Ion:330 Resp: 241633

Ion Ratio Lower Upper

330 100

332 95.9 78.1 117.1

141 29.1 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 68.763 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

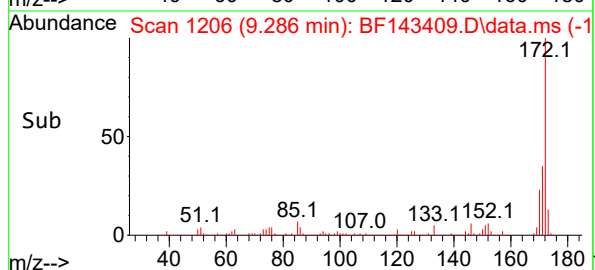
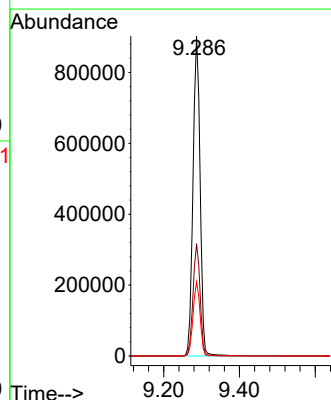
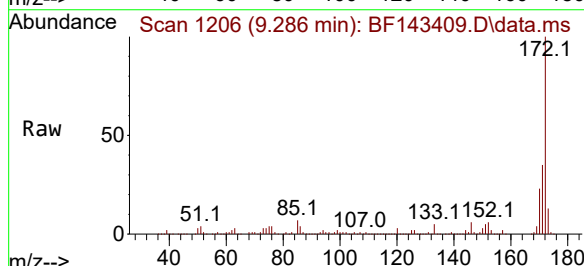
Tgt Ion:172 Resp: 1172491

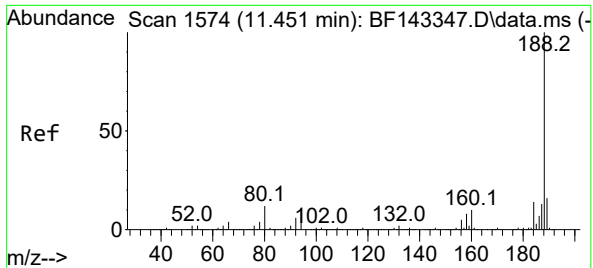
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.2 19.1 28.7

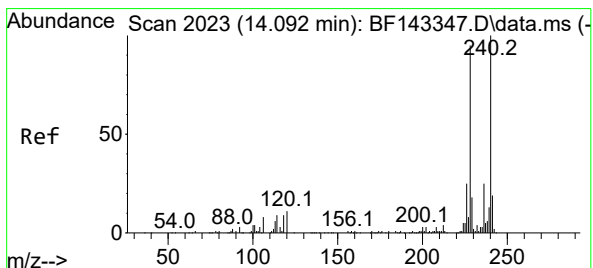
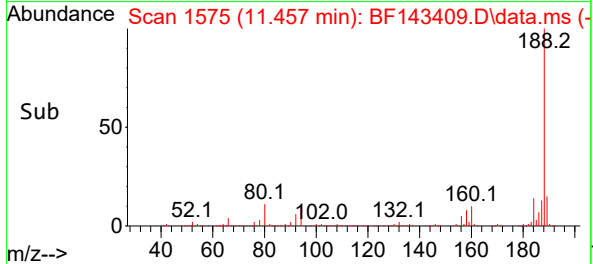
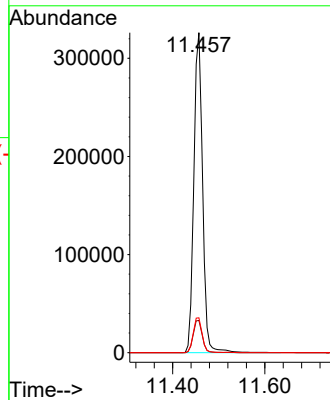
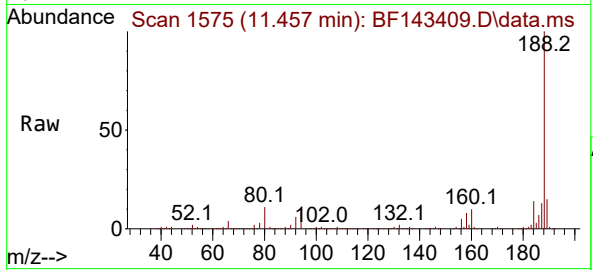




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

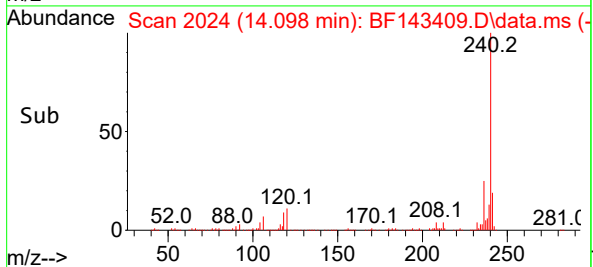
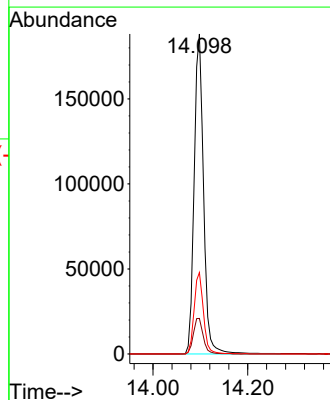
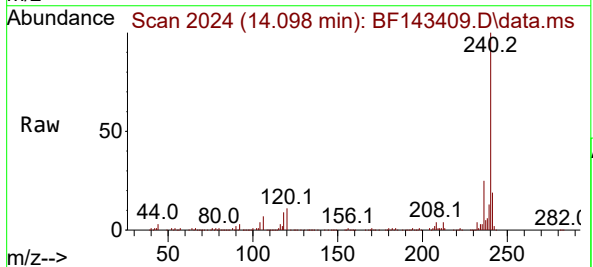
Instrument :
BNA_F
ClientSampleId :
TW-88H-E

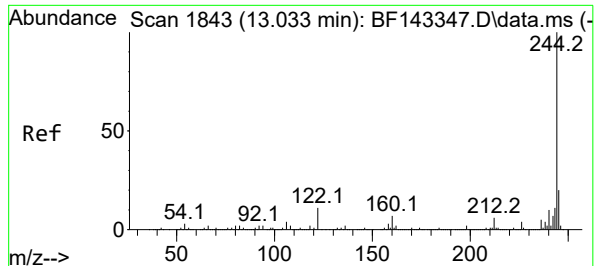
Tgt Ion:188 Resp: 429306
Ion Ratio Lower Upper
188 100
94 10.1 8.8 13.2
80 10.9 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143409.D
Acq: 15 Aug 2025 08:48

Tgt Ion:240 Resp: 260079
Ion Ratio Lower Upper
240 100
120 11.1 9.0 13.6
236 25.4 19.9 29.9





#79

Terphenyl-d14

Concen: 63.617 ng

RT: 13.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

Instrument :

BNA_F

ClientSampleId :

TW-88H-E

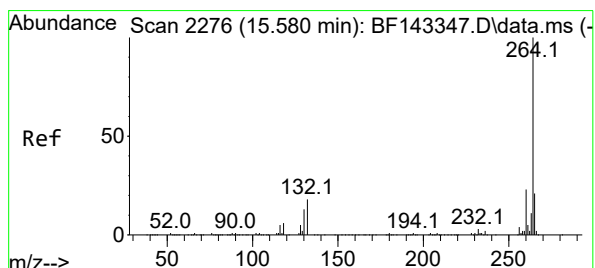
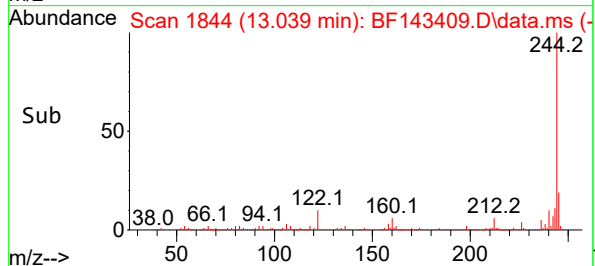
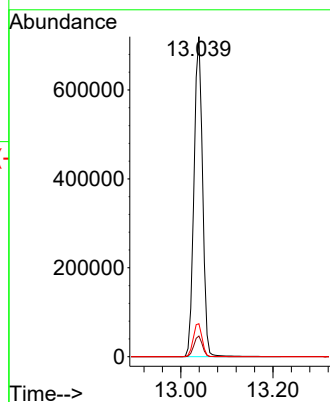
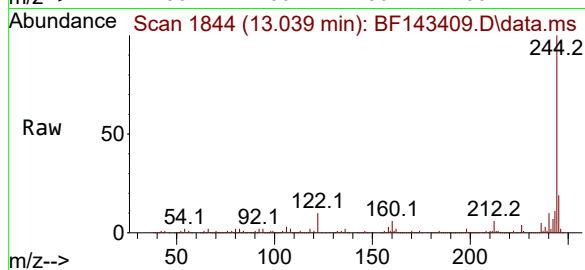
Tgt Ion:244 Resp: 926747

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 10.3 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143409.D

Acq: 15 Aug 2025 08:48

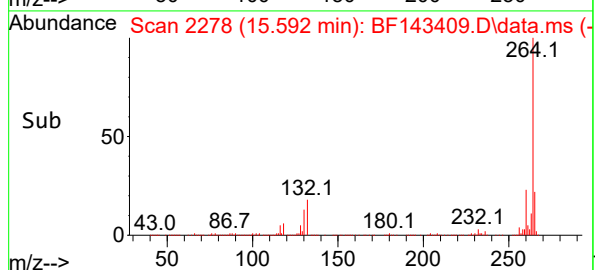
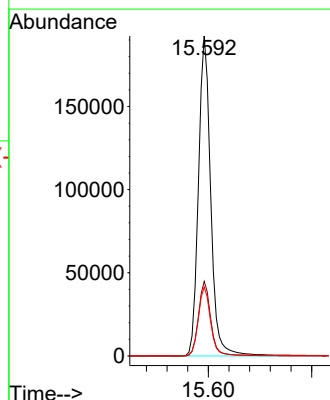
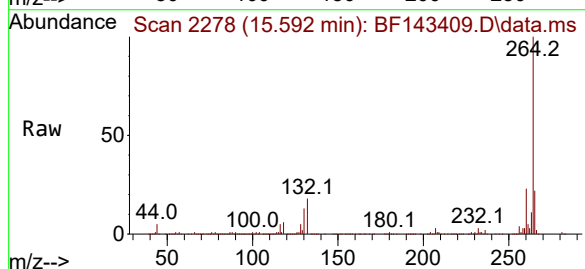
Tgt Ion:264 Resp: 317026

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.6 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143409.D
Acq On : 15 Aug 2025 08:48
Operator : RC/JU
Sample : Q2815-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143409.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.281	6	15	31	rVB	2520702	4233510	100.00%	16.393%
2	5.163	498	505	516	rBV	309225	468036	11.06%	1.812%
3	5.569	568	574	593	rBV	1891748	2502671	59.12%	9.691%
4	6.563	737	743	769	rBV	1644277	2298468	54.29%	8.900%
5	6.934	801	806	814	rBV	675517	843496	19.92%	3.266%
6	7.487	894	900	912	rBV	1420993	1934909	45.70%	7.493%
7	8.210	1018	1023	1041	rVB	816684	1106498	26.14%	4.285%
8	9.286	1200	1206	1211	rBV	2629037	3371306	79.63%	13.055%
9	9.969	1316	1322	1333	rBV	960677	1220344	28.83%	4.726%
10	10.675	1435	1442	1450	rBV	306231	417103	9.85%	1.615%
11	10.757	1450	1456	1473	rBV	1348841	1803312	42.60%	6.983%
12	10.986	1491	1495	1502	rVB	33182	45559	1.08%	0.176%
13	11.457	1570	1575	1583	rBV	809190	1056889	24.96%	4.093%
14	11.980	1659	1664	1675	rBV2	76106	151652	3.58%	0.587%
15	13.039	1838	1844	1862	rBV	1878138	2436835	57.56%	9.436%
16	13.610	1936	1941	1950	rVB	33589	54918	1.30%	0.213%
17	13.939	1992	1997	2015	rBV3	45023	139339	3.29%	0.540%
18	14.098	2016	2024	2034	rVV	500082	699542	16.52%	2.709%
19	14.251	2046	2050	2055	rBV	33926	44588	1.05%	0.173%
20	14.557	2098	2102	2106	rBV	35179	43843	1.04%	0.170%
21	14.951	2165	2169	2175	rVB	31534	43431	1.03%	0.168%
22	15.215	2210	2214	2222	rBV	27880	42969	1.01%	0.166%
23	15.592	2272	2278	2291	rBV	514735	865117	20.43%	3.350%

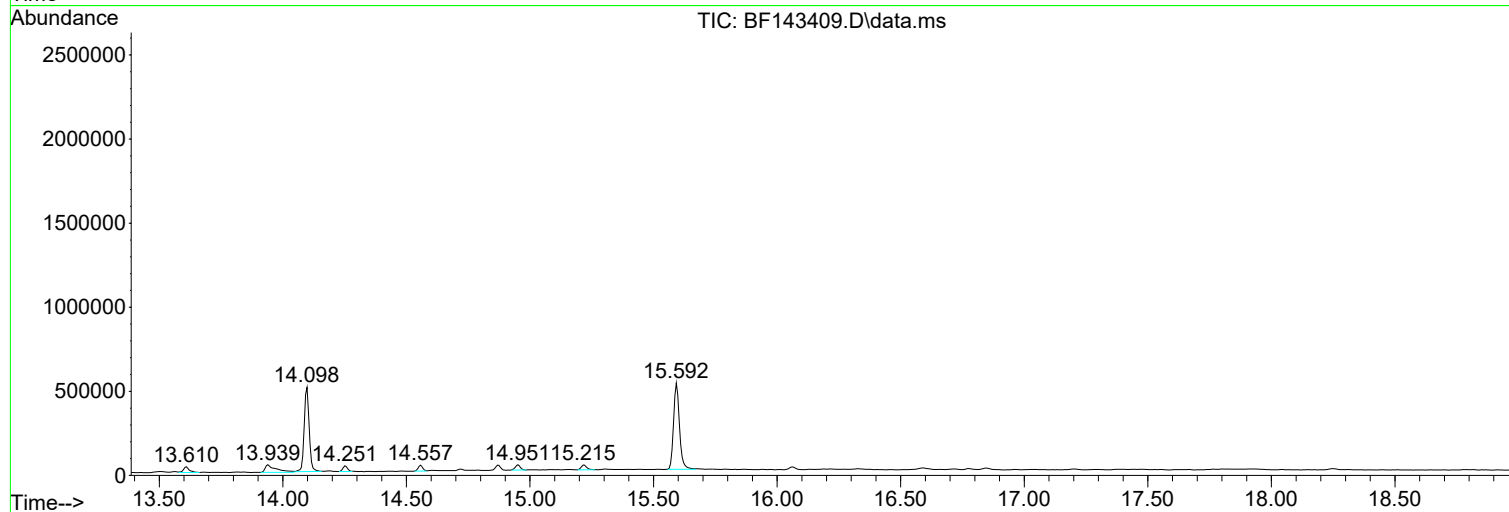
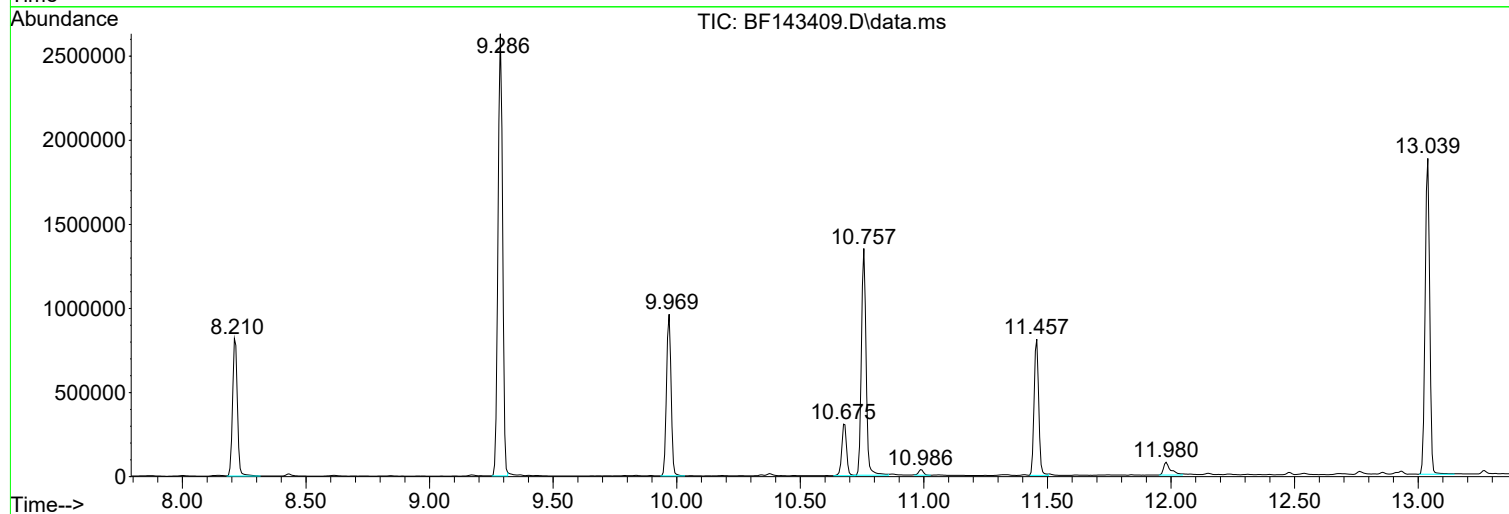
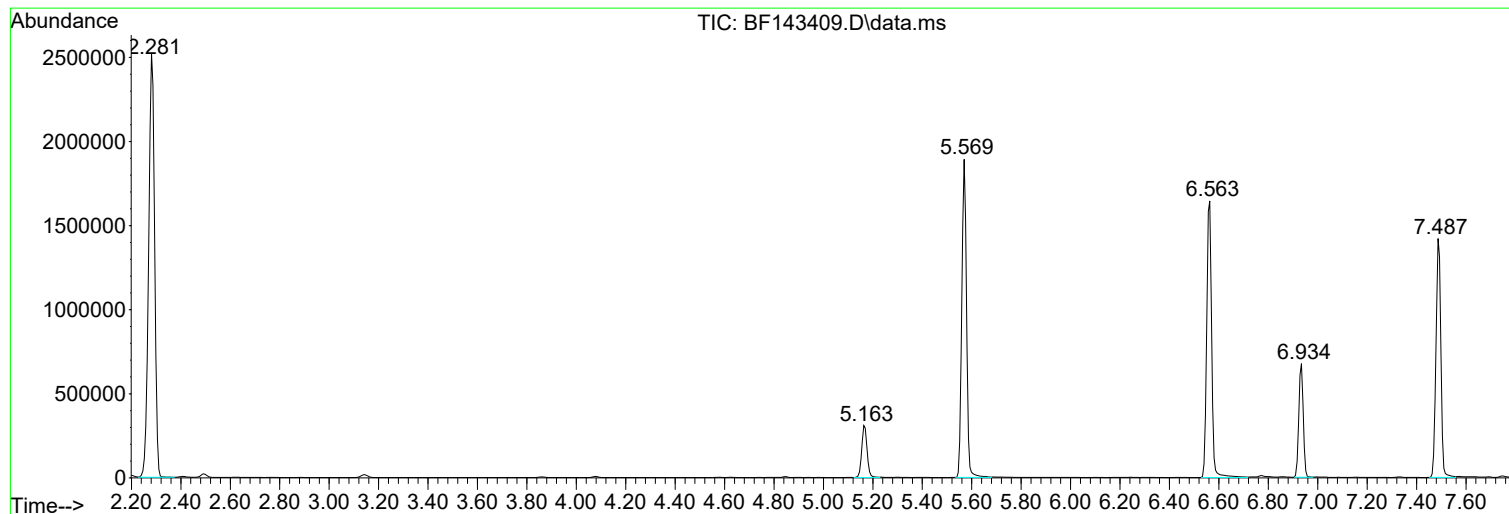
Sum of corrected areas: 25824335

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143409.D
Acq On : 15 Aug 2025 08:48
Operator : RC/JU
Sample : Q2815-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-E

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143409.D
Acq On : 15 Aug 2025 08:48
Operator : RC/JU
Sample : Q2815-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-E

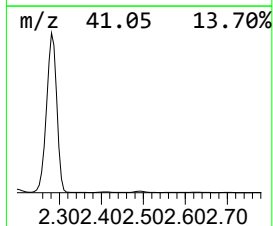
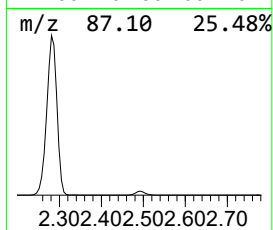
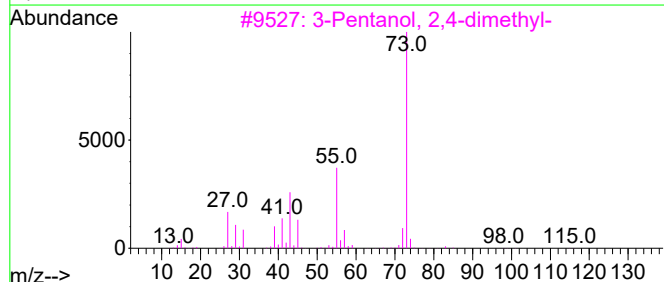
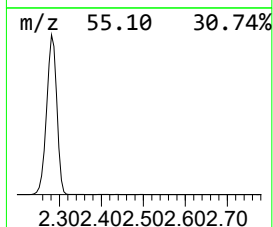
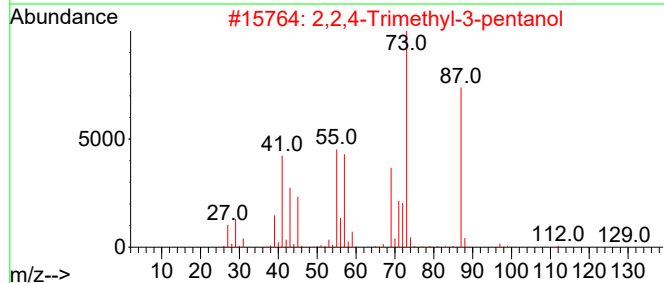
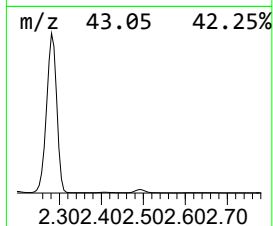
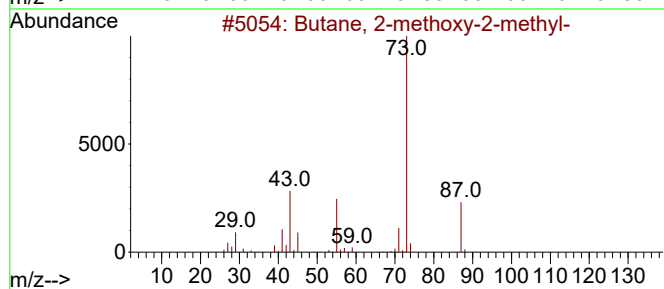
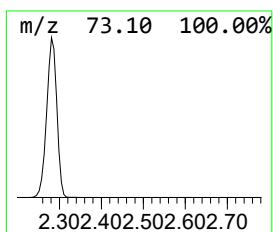
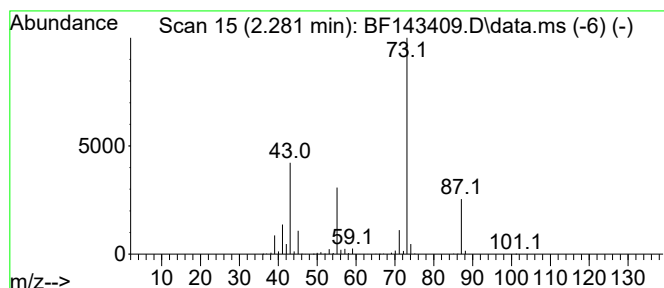
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.281	100.38 ng	4233510	1,4-Dichlorobenzene-d4	6.934

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143409.D
Acq On : 15 Aug 2025 08:48
Operator : RC/JU
Sample : Q2815-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

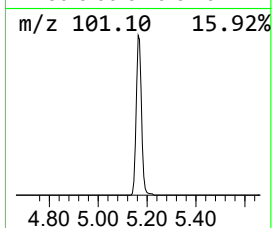
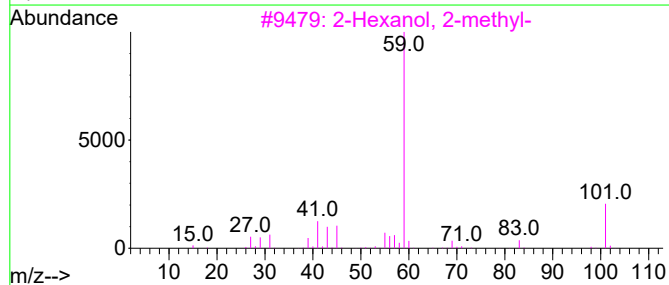
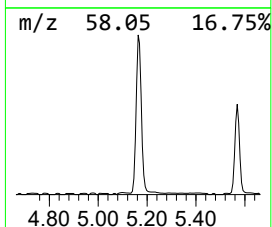
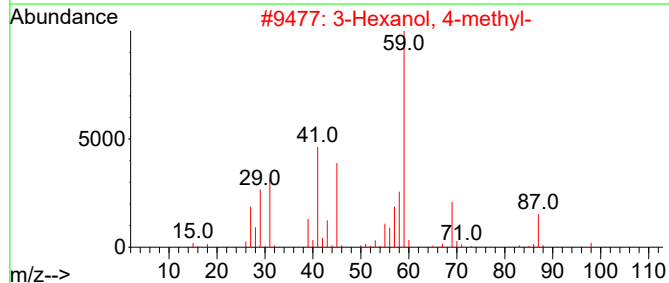
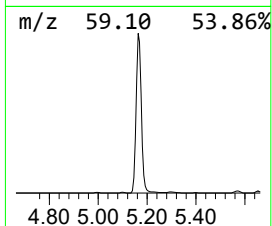
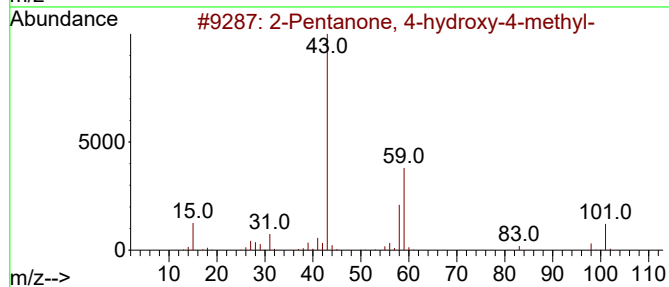
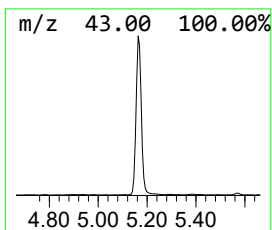
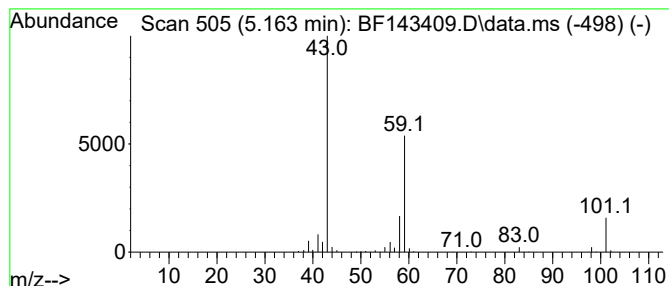
Instrument :
BNA_F
ClientSampleId :
TW-88H-E

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

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.163	11.10 ng	468036	1,4-Dichlorobenzene-d4			6.934
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59	
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33	
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33	
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27	
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143409.D
Acq On : 15 Aug 2025 08:48
Operator : RC/JU
Sample : Q2815-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-E

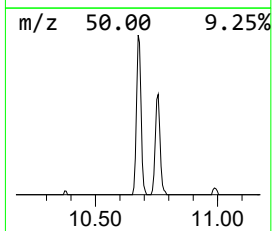
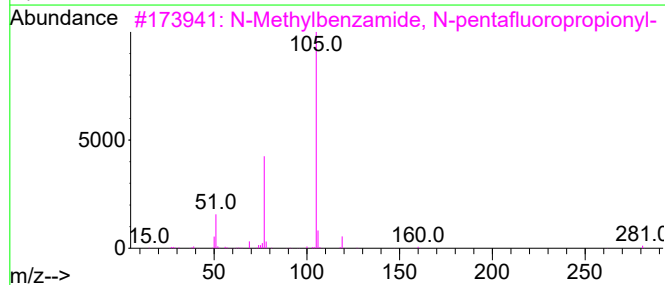
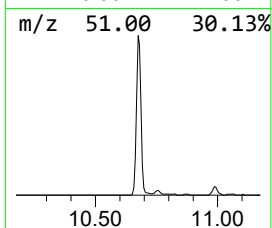
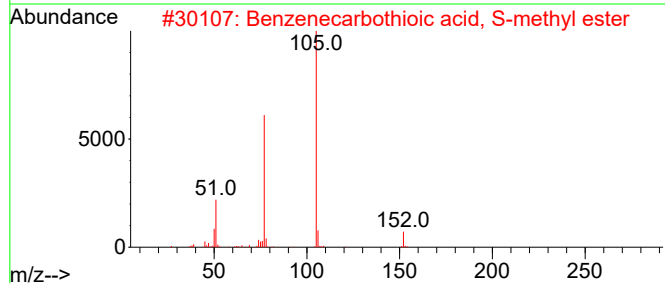
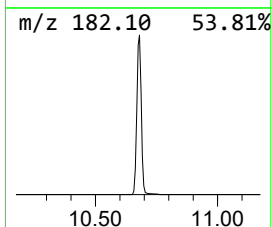
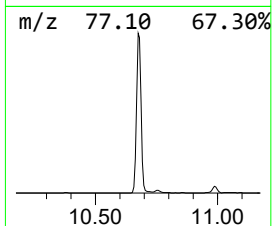
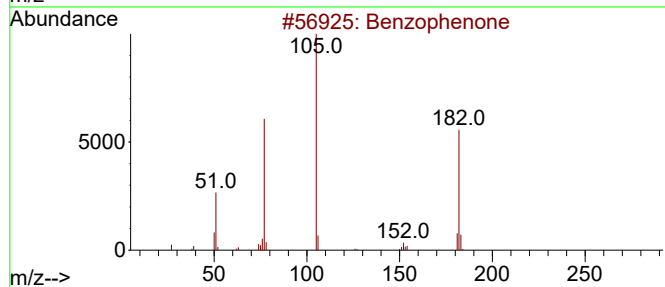
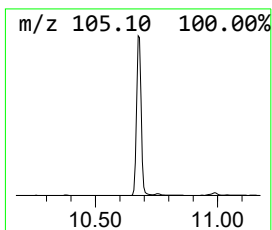
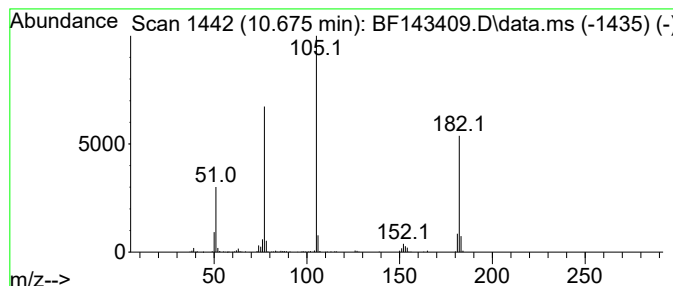
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	6.84 ng	417103	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
3			N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	50
4			Ethanone, 2-bromo-1,2-diphenyl-	274	C14H11BrO	001484-50-0	50
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143409.D
Acq On : 15 Aug 2025 08:48
Operator : RC/JU
Sample : Q2815-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-E

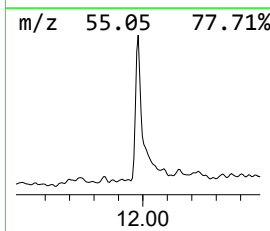
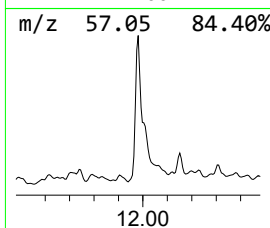
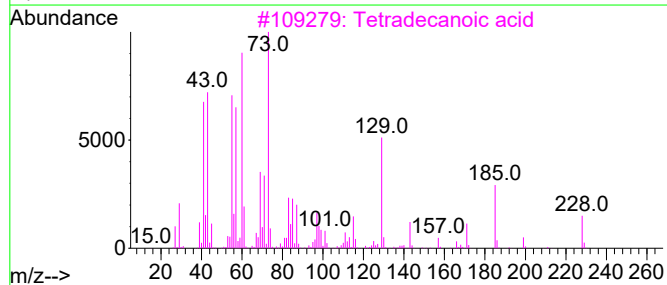
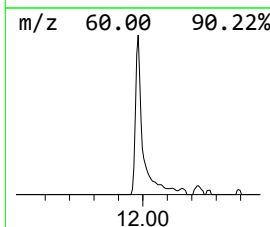
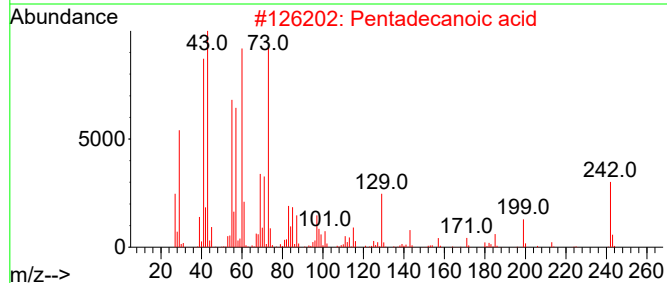
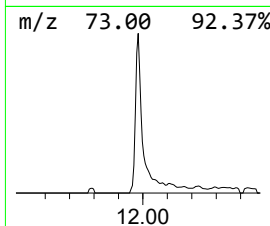
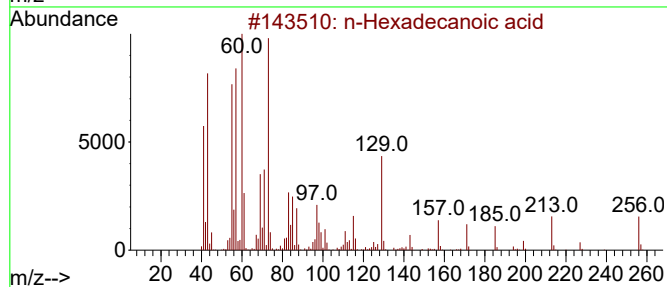
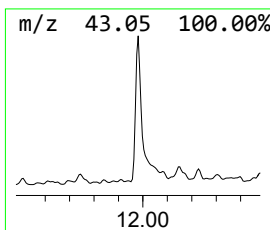
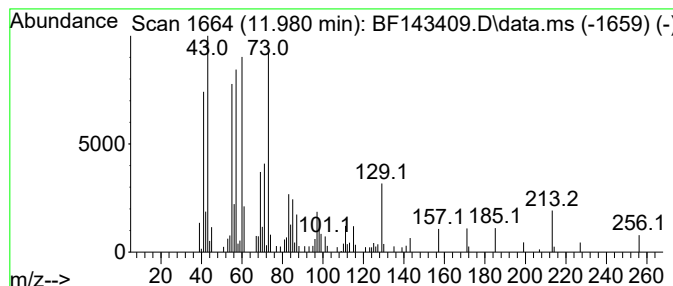
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	2.87 ng	151652	Phenanthrene-d10	11.457

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4		Tridecanoic acid	214	C13H26O2	000638-53-9	76
5		n-Decanoic acid	172	C10H20O2	000334-48-5	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143409.D
Acq On : 15 Aug 2025 08:48
Operator : RC/JU
Sample : Q2815-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-E

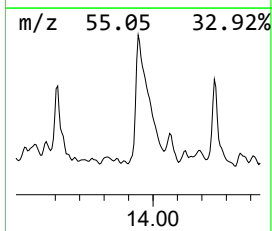
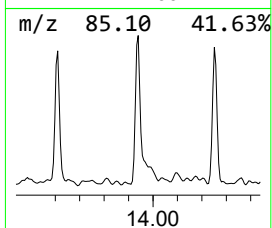
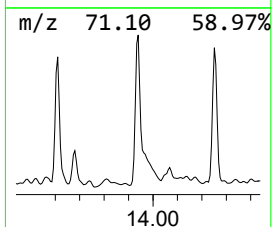
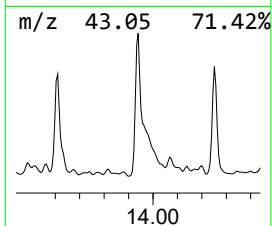
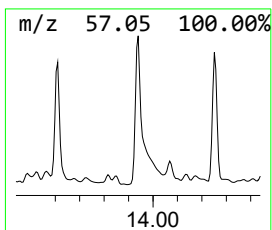
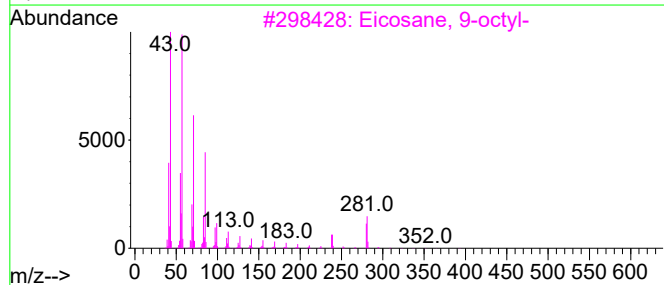
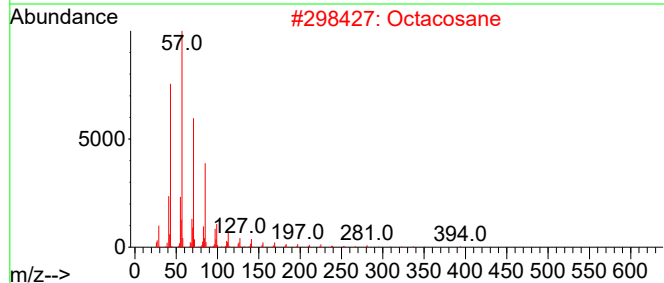
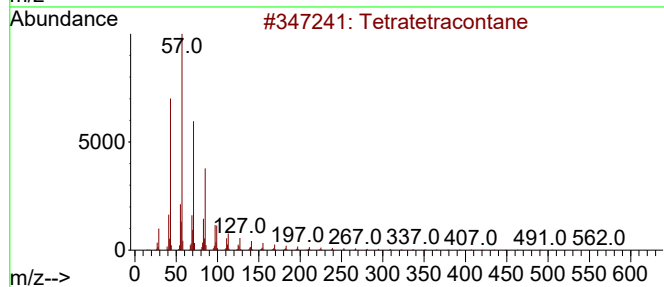
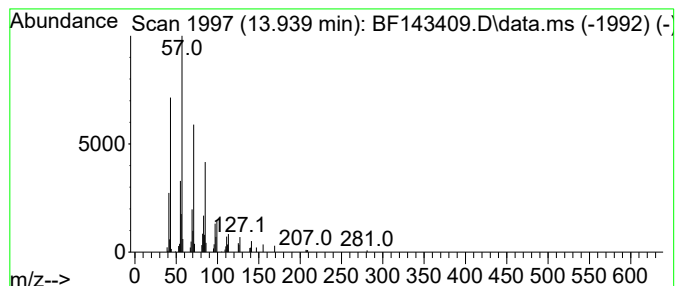
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetratetracontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	3.98 ng	139339	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetratetracontane	619	C44H90	007098-22-8	91
2			Octacosane	394	C28H58	000630-02-4	91
3			Eicosane, 9-octyl-	394	C28H58	013475-77-9	91
4			Hentriacontane	437	C31H64	000630-04-6	91
5			Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143409.D
Acq On : 15 Aug 2025 08:48
Operator : RC/JU
Sample : Q2815-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-E

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.281	100.4	ng	4233510	1	6.934	843496	20.0
2-Pentanone, 4-...	5.163	11.1	ng	468036	1	6.934	843496	20.0
Benzophenone	10.675	6.8	ng	417103	3	9.969	1220340	20.0
n-Hexadecanoic ...	11.980	2.9	ng	151652	4	11.457	1056890	20.0
Tetratetracontane	13.939	4.0	ng	139339	5	14.098	699542	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143515.D	1	08/12/25 11:39	08/21/25 06:15	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143515.D	1	08/12/25 11:39	08/21/25 06:15	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.40		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143515.D	1	08/12/25 11:39	08/21/25 06:15	PB169230

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

SURROGATES

367-12-4	2-Fluorophenol	91.0		19 - 119		61%	SPK: 150
13127-88-3	Phenol-d6	77.9		10 - 130		52%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.4		44 - 120		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.0		44 - 119		79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		43 - 140		82%	SPK: 150
1718-51-0	Terphenyl-d14	87.9		50 - 134		88%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	132000	6.928
1146-65-2	Naphthalene-d8	503000	8.204
15067-26-2	Acenaphthene-d10	275000	9.963
1517-22-2	Phenanthrene-d10	408000	11.451
1719-03-5	Chrysene-d12	230000	14.092
1520-96-3	Perylene-d12	281000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	96.1	J		2.28	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.50	AB		5.16	ug/L
000119-61-9	Benzophenone	7.60	J		10.7	ug/L
000057-10-3	n-Hexadecanoic acid	5.90	J		12.0	ug/L
031158-91-5	Hexadecanoic acid, 1,1-dimethyleth	3.10	J		12.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143515.D	1	08/12/25 11:39	08/21/25 06:15	PB169230

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143515.D
Acq On : 21 Aug 2025 06:15
Operator : RC/JU
Sample : Q2815-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-N

Quant Time: Aug 21 07:07:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

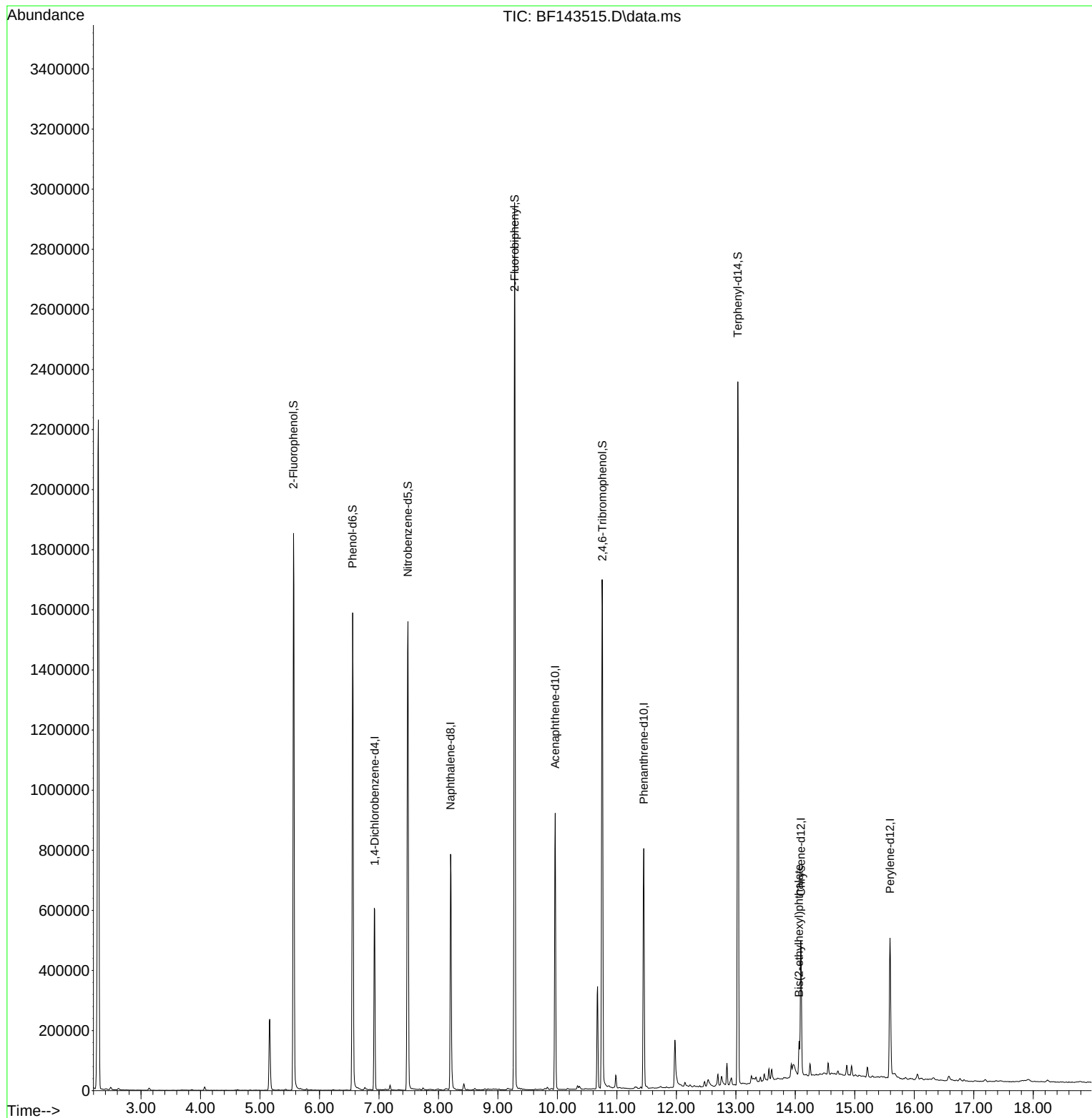
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131555	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	502957	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	275165	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	407593	20.000	ng	0.00
76) Chrysene-d12	14.092	240	230062	20.000	ng	-0.01
86) Perylene-d12	15.592	264	280966	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	685414	90.977	ng	0.00
7) Phenol-d6	6.557	99	724585	77.910	ng	-0.02
23) Nitrobenzene-d5	7.487	82	727020	84.351	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	315296	123.096	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1315624	79.018	ng	0.00
79) Terphenyl-d14	13.033	244	1158463	87.870	ng	0.00
Target Compounds						
84) Bis(2-ethylhexyl)phtha...	14.063	149	42503	5.398	ng	Qvalue 100

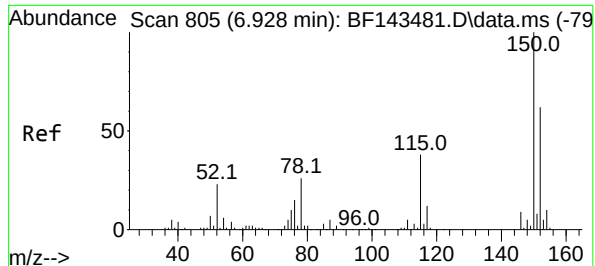
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143515.D
Acq On : 21 Aug 2025 06:15
Operator : RC/JU
Sample : Q2815-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-N

Quant Time: Aug 21 07:07:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

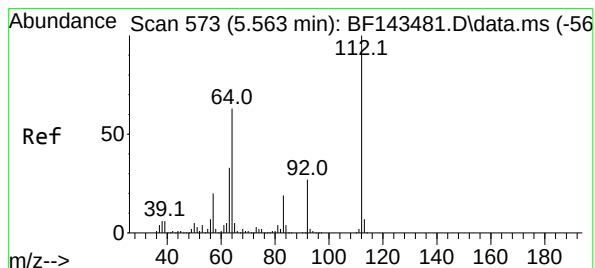
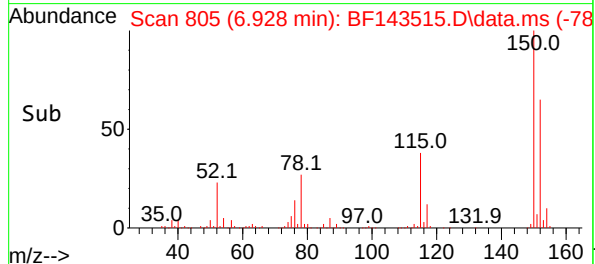
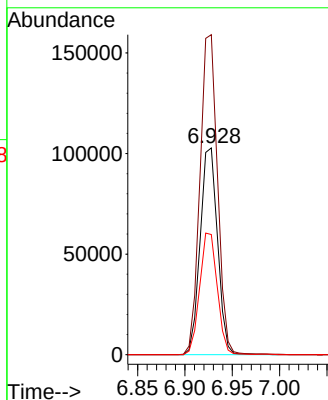
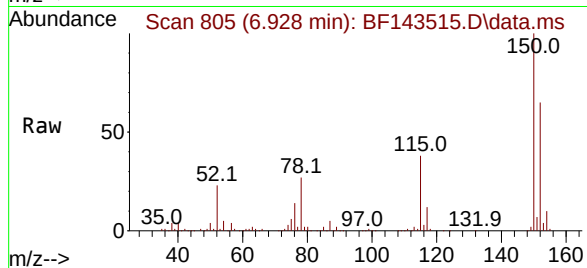




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143515.D
Acq: 21 Aug 2025 06:15

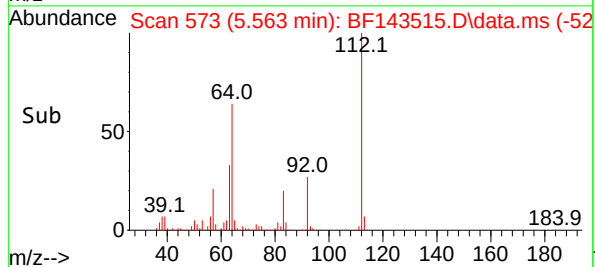
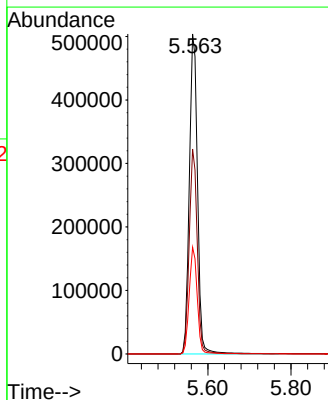
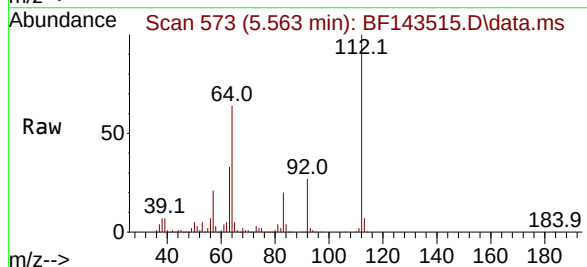
Instrument :
BNA_F
ClientSampleId :
TW-88H-N

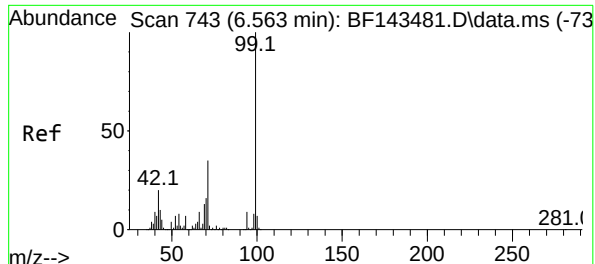
Tgt Ion:152 Resp: 131555
Ion Ratio Lower Upper
152 100
150 154.8 128.9 193.3
115 58.2 49.2 73.8



#5
2-Fluorophenol
Concen: 90.977 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143515.D
Acq: 21 Aug 2025 06:15

Tgt Ion:112 Resp: 685414
Ion Ratio Lower Upper
112 100
64 64.1 50.4 75.6
63 33.4 26.4 39.6





#7

Phenol-d6

Concen: 77.910 ng

RT: 6.557 min Scan# 743

Delta R.T. -0.018 min

Lab File: BF143515.D

Acq: 21 Aug 2025 06:15

Instrument :

BNA_F

ClientSampleId :

TW-88H-N

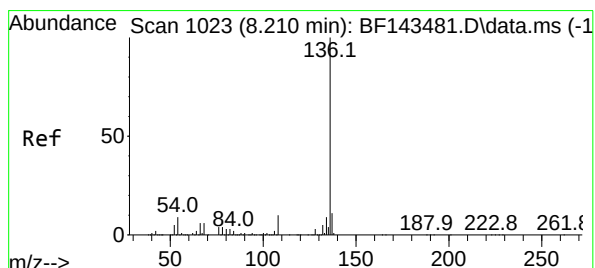
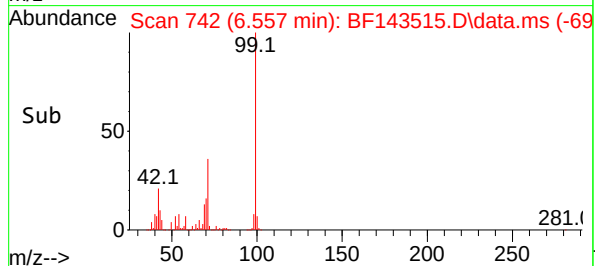
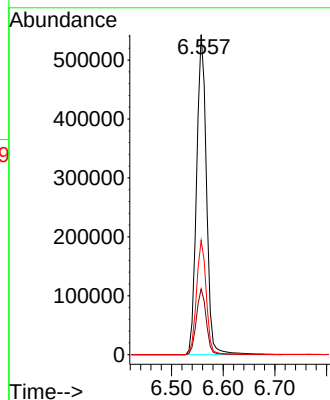
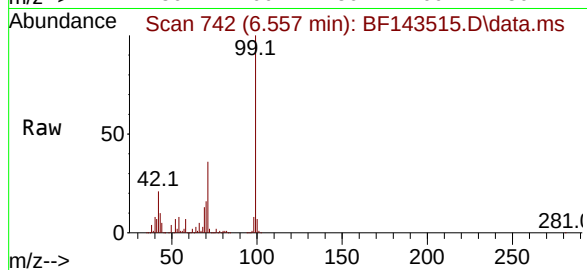
Tgt Ion: 99 Resp: 724585

Ion Ratio Lower Upper

99 100

42 20.5 16.3 24.5

71 35.7 28.2 42.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.204 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF143515.D

Acq: 21 Aug 2025 06:15

Tgt Ion: 136 Resp: 502957

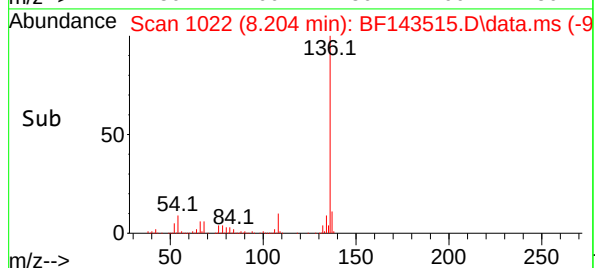
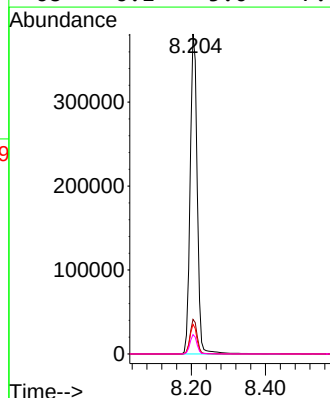
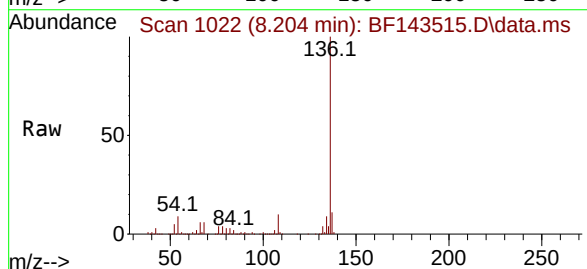
Ion Ratio Lower Upper

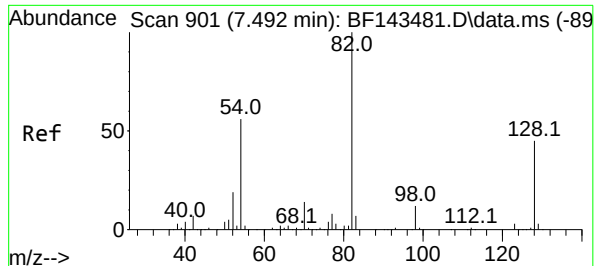
136 100

137 10.8 9.0 13.4

54 9.3 7.4 11.2

68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 84.351 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143515.D

Acq: 21 Aug 2025 06:15

Instrument :

BNA_F

ClientSampleId :

TW-88H-N

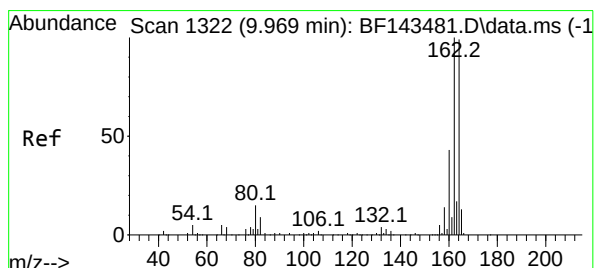
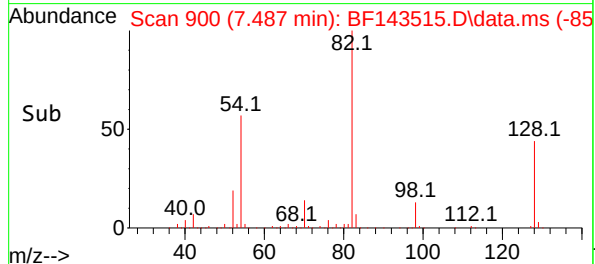
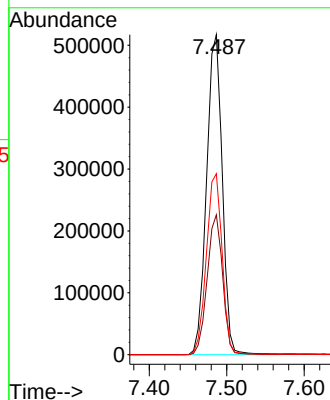
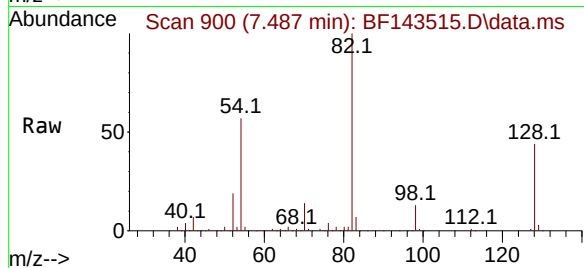
Tgt Ion: 82 Resp: 727020

Ion Ratio Lower Upper

82 100

128 43.7 35.5 53.3

54 56.5 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143515.D

Acq: 21 Aug 2025 06:15

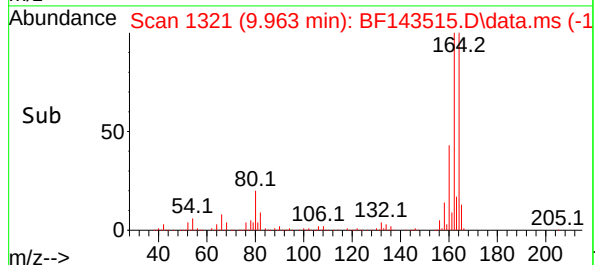
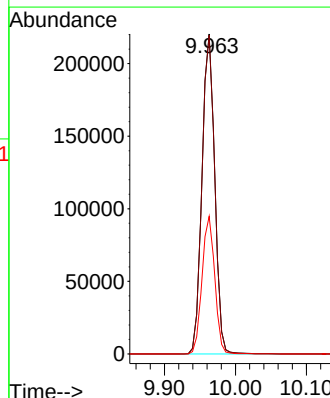
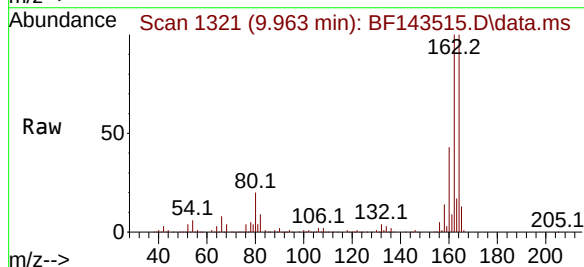
Tgt Ion: 164 Resp: 275165

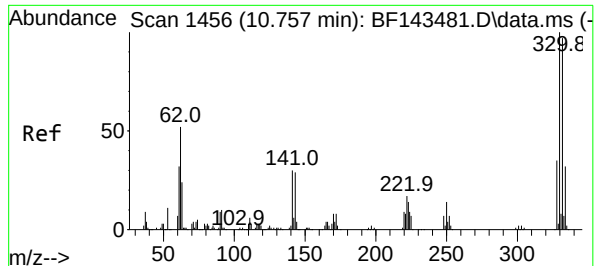
Ion Ratio Lower Upper

164 100

162 99.6 80.5 120.7

160 43.0 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 123.096 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143515.D

Acq: 21 Aug 2025 06:15

Instrument :

BNA_F

ClientSampleId :

TW-88H-N

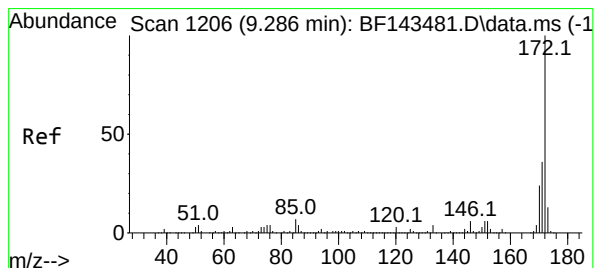
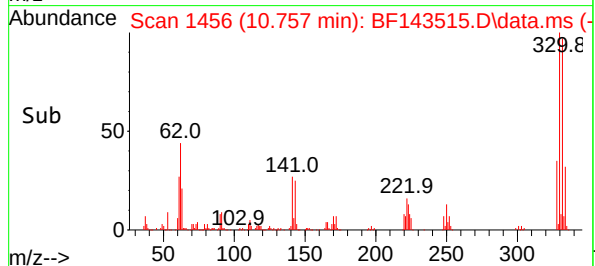
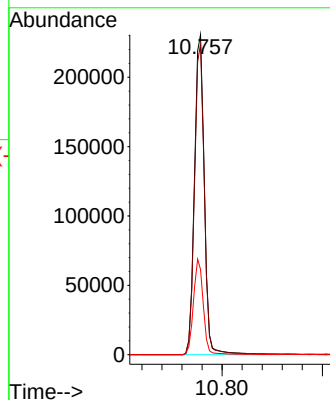
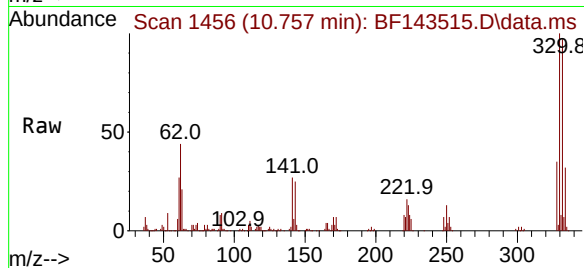
Tgt Ion:330 Resp: 315296

Ion Ratio Lower Upper

330 100

332 96.8 78.0 117.0

141 29.5 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 79.018 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143515.D

Acq: 21 Aug 2025 06:15

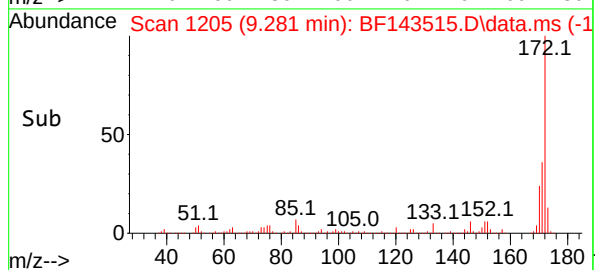
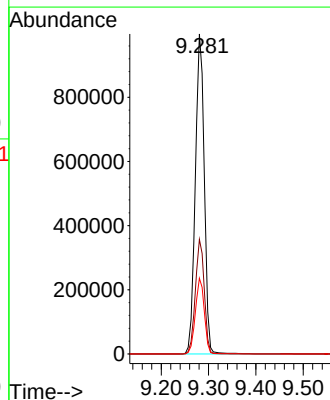
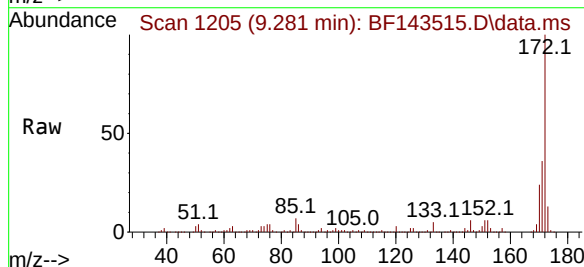
Tgt Ion:172 Resp: 1315624

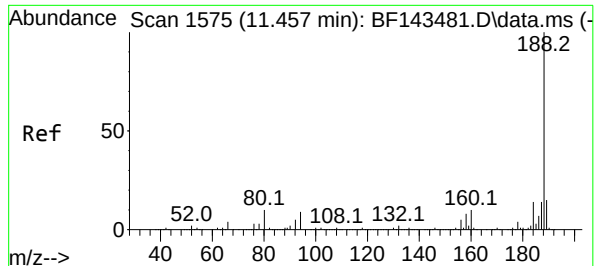
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.7 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143515.D

Acq: 21 Aug 2025 06:15

Instrument :

BNA_F

ClientSampleId :

TW-88H-N

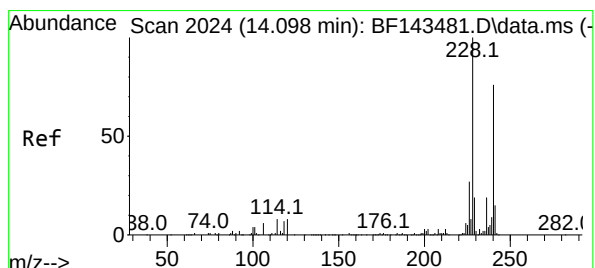
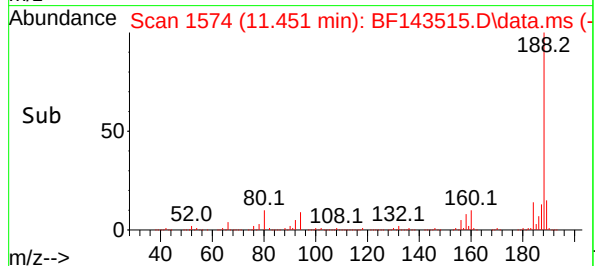
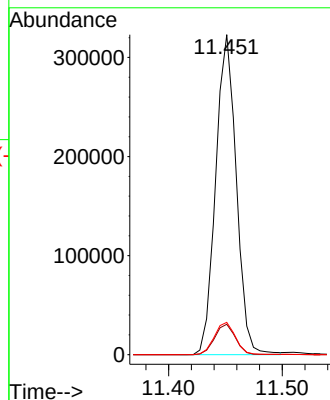
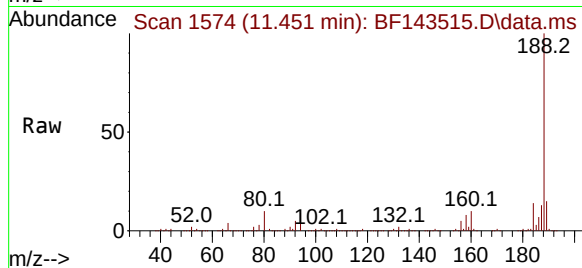
Tgt Ion:188 Resp: 407593

Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.2

80 10.1 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF143515.D

Acq: 21 Aug 2025 06:15

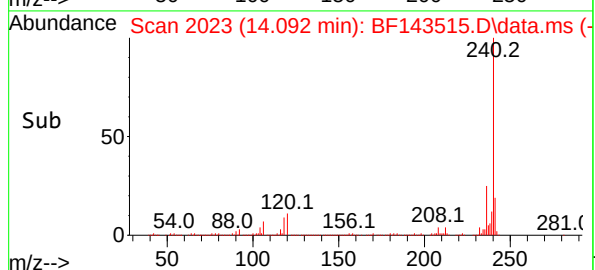
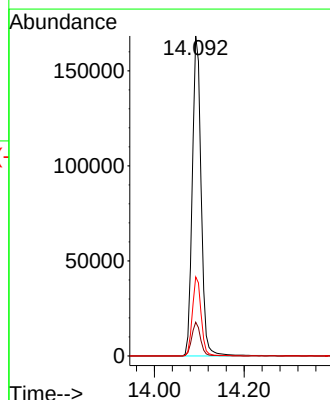
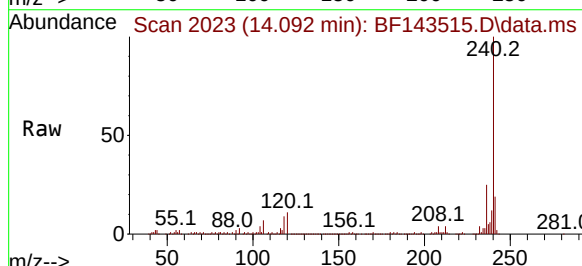
Tgt Ion:240 Resp: 230062

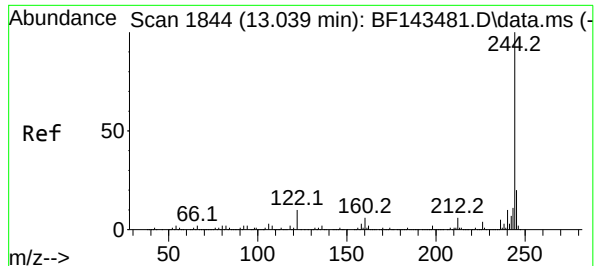
Ion Ratio Lower Upper

240 100

120 10.6 8.6 12.8

236 24.7 20.4 30.6





#79

Terphenyl-d14

Concen: 87.870 ng

RT: 13.033 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143515.D

Acq: 21 Aug 2025 06:15

Instrument :

BNA_F

ClientSampleId :

TW-88H-N

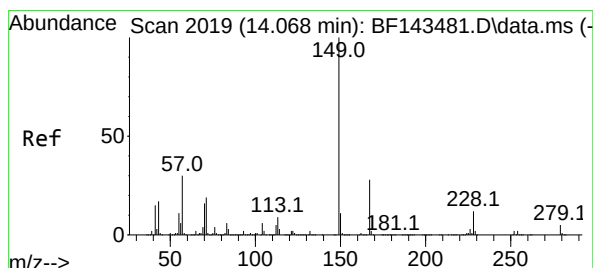
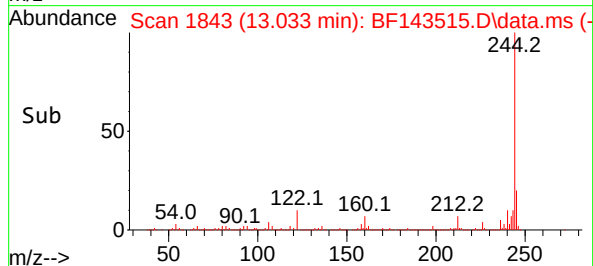
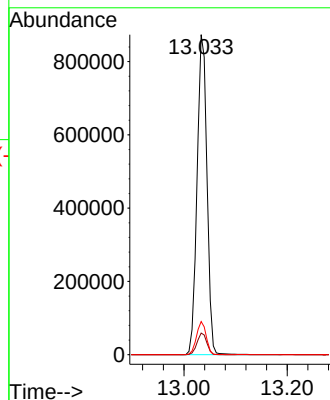
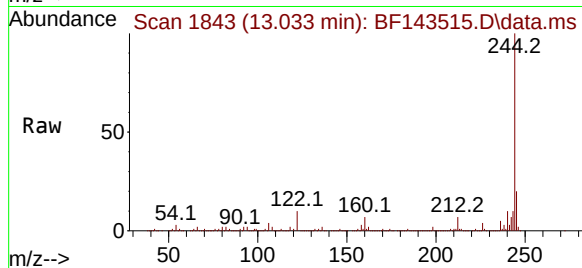
Tgt Ion:244 Resp: 1158463

Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

122 10.4 7.9 11.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.398 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF143515.D

Acq: 21 Aug 2025 06:15

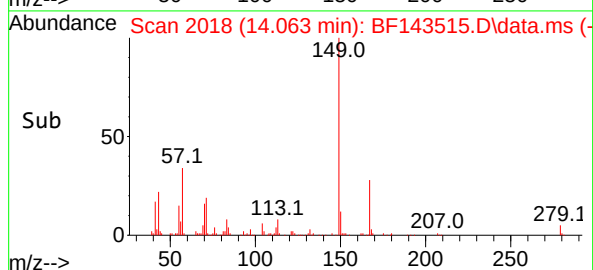
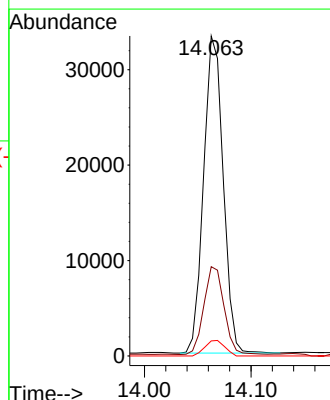
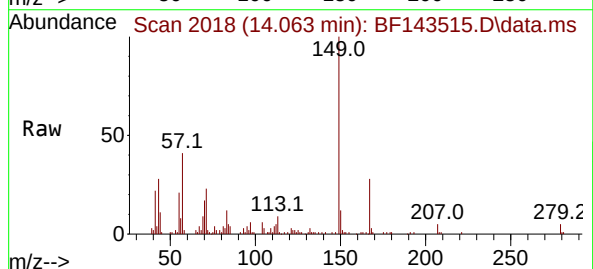
Tgt Ion:149 Resp: 42503

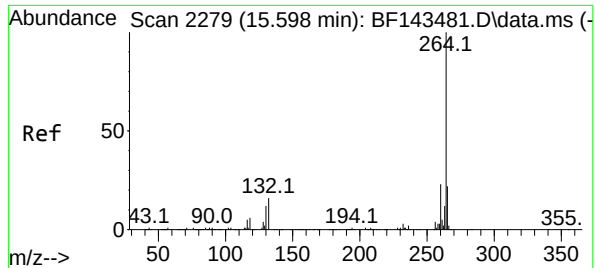
Ion Ratio Lower Upper

149 100

167 27.9 22.2 33.2

279 4.7 3.6 5.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143515.D

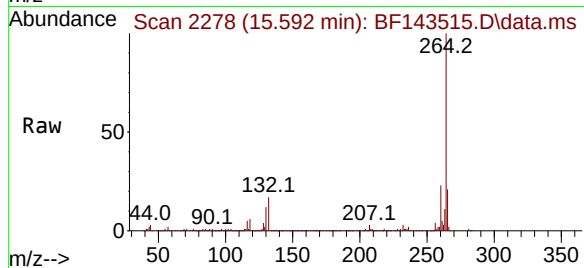
Acq: 21 Aug 2025 06:15

Instrument :

BNA_F

ClientSampleId :

TW-88H-N



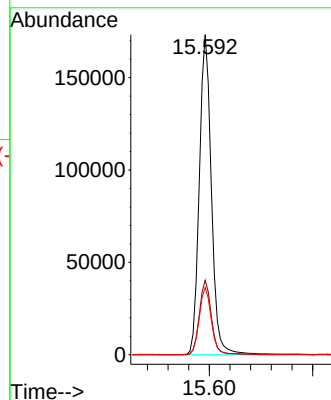
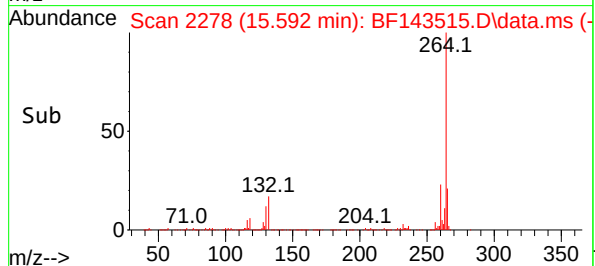
Tgt Ion:264 Resp: 280966

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.0 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143515.D
Acq On : 21 Aug 2025 06:15
Operator : RC/JU
Sample : Q2815-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-N

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143515.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.281	6	15	29	rVB	2228484	3746746	97.33%	13.773%
2	5.163	497	505	522	rBV	236438	368939	9.58%	1.356%
3	5.563	568	573	590	rBV	1852191	2477208	64.35%	9.106%
4	6.557	736	742	755	rBV	1588696	2116379	54.98%	7.780%
5	6.922	799	804	813	rBV	606270	780165	20.27%	2.868%
6	7.487	893	900	911	rBV	1559276	2194760	57.01%	8.068%
7	8.204	1017	1022	1040	rVB	783646	1068048	27.75%	3.926%
8	9.281	1199	1205	1210	rBV	2951280	3849459	100.00%	14.150%
9	9.963	1315	1321	1332	rVB	919449	1153963	29.98%	4.242%
10	10.675	1437	1442	1450	rBV	340439	438652	11.40%	1.612%
11	10.751	1450	1455	1470	rBV	1692550	2324703	60.39%	8.545%
12	10.981	1490	1494	1500	rVB	42202	55724	1.45%	0.205%
13	11.451	1569	1574	1581	rBV	798194	1008082	26.19%	3.706%
14	11.975	1658	1663	1678	rBV2	157499	299516	7.78%	1.101%
15	12.533	1752	1758	1774	rVB3	22372	64362	1.67%	0.237%
16	12.698	1779	1786	1791	rVV	37772	55363	1.44%	0.204%
17	12.763	1792	1797	1807	rVV2	30166	64997	1.69%	0.239%
18	12.851	1808	1812	1817	rVV	72839	91721	2.38%	0.337%
19	12.922	1818	1824	1832	rVB3	23322	46818	1.22%	0.172%
20	13.033	1837	1843	1855	rBV	2341067	3096861	80.45%	11.384%
21	13.557	1928	1932	1936	rBV	36737	47509	1.23%	0.175%
22	13.604	1936	1940	1947	rVB	33796	50876	1.32%	0.187%
23	13.933	1992	1996	1998	rBV	41360	57149	1.48%	0.210%
24	14.063	2014	2018	2020	rBV	109873	141893	3.69%	0.522%
25	14.092	2020	2023	2032	rVB	447022	599459	15.57%	2.204%
26	14.245	2046	2049	2054	rVB	37923	47376	1.23%	0.174%
27	14.551	2098	2101	2107	rVB	37159	46629	1.21%	0.171%
28	14.863	2151	2154	2159	rVB	32031	43697	1.14%	0.161%
29	14.945	2164	2168	2174	rVB	33730	47672	1.24%	0.175%
30	15.210	2209	2213	2223	rVB	33958	53806	1.40%	0.198%
31	15.592	2272	2278	2286	rBV	465128	765922	19.90%	2.815%

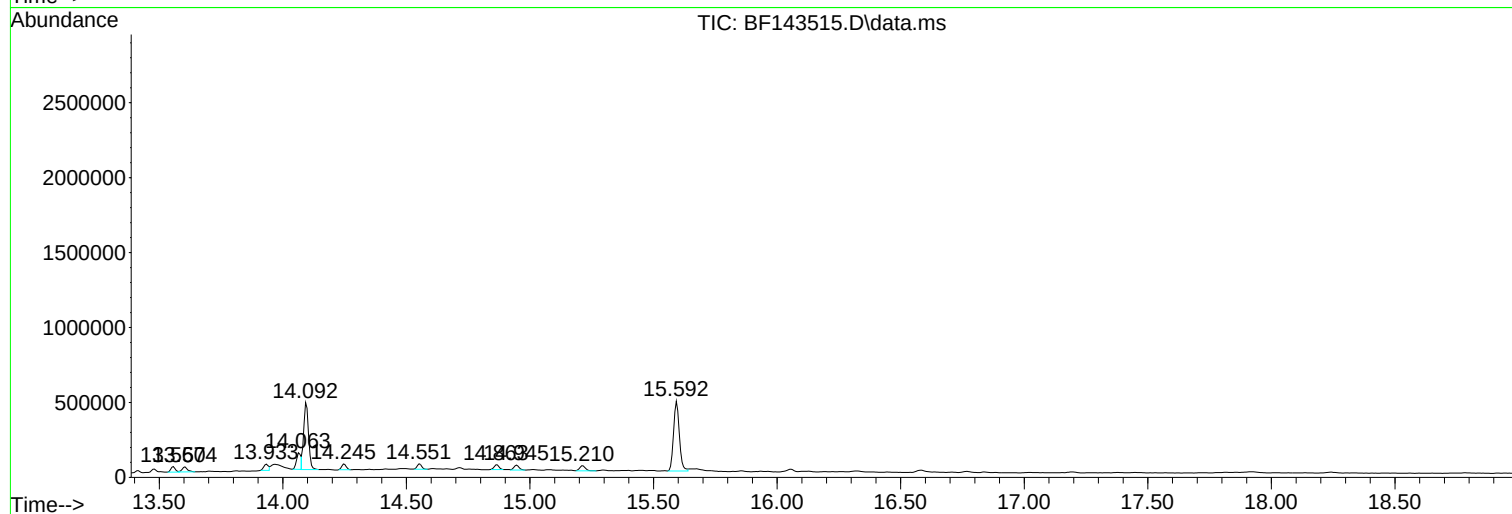
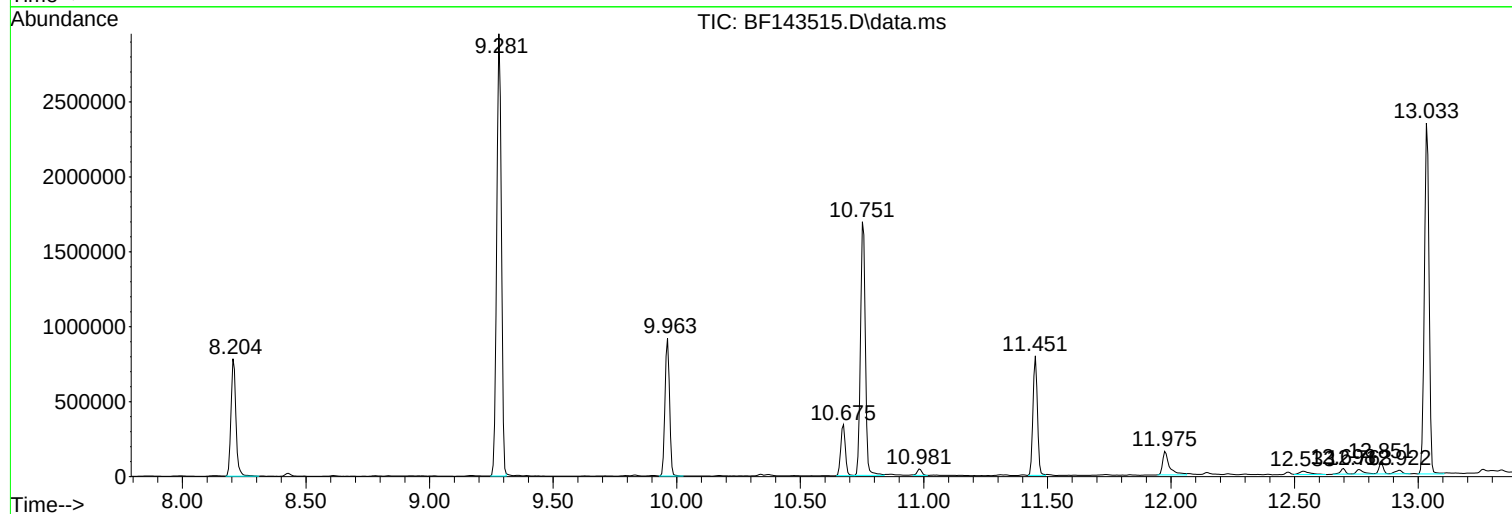
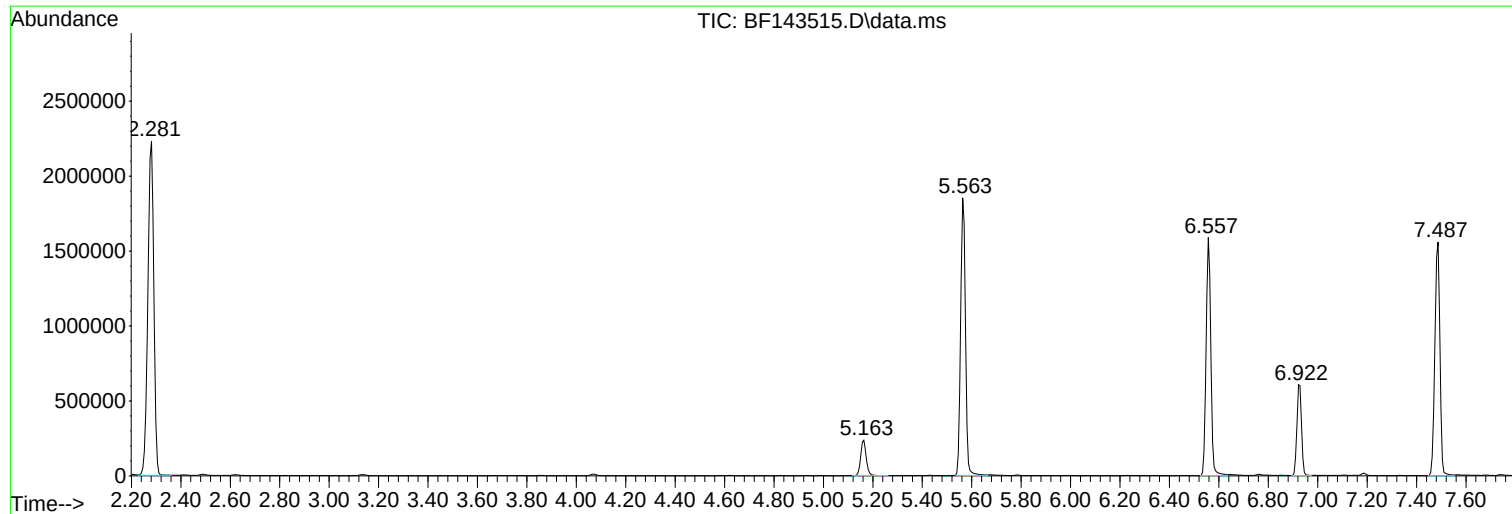
Sum of corrected areas: 27204454

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143515.D
Acq On : 21 Aug 2025 06:15
Operator : RC/JU
Sample : Q2815-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-N

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143515.D
Acq On : 21 Aug 2025 06:15
Operator : RC/JU
Sample : Q2815-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-N

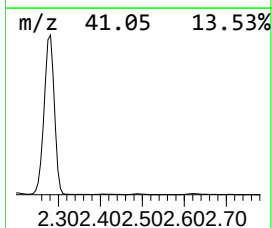
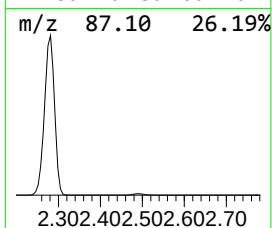
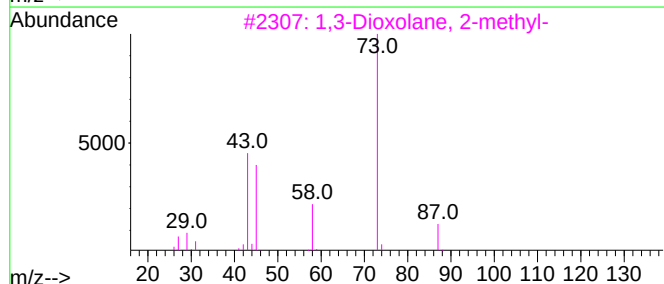
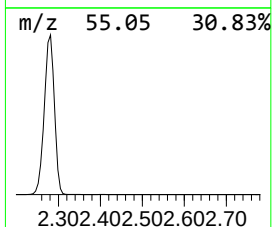
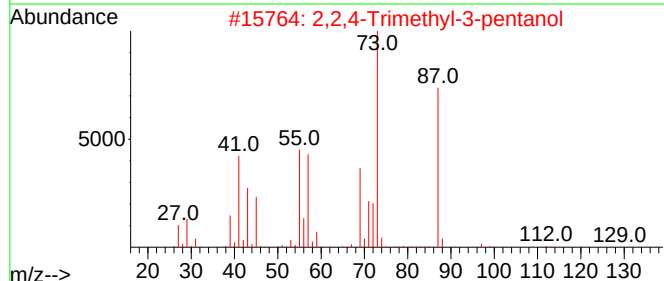
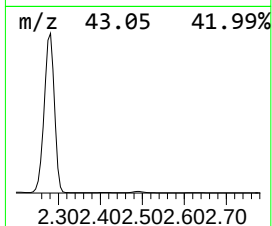
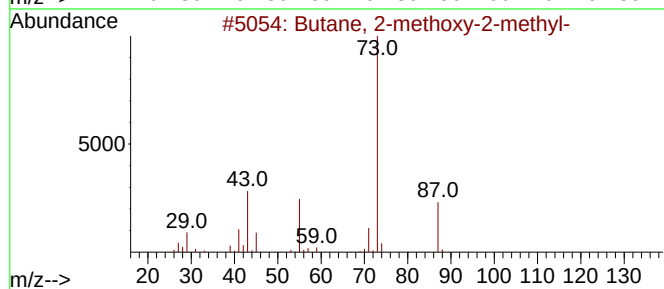
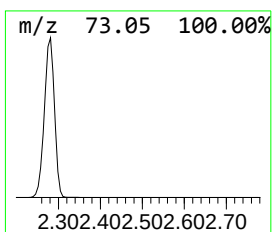
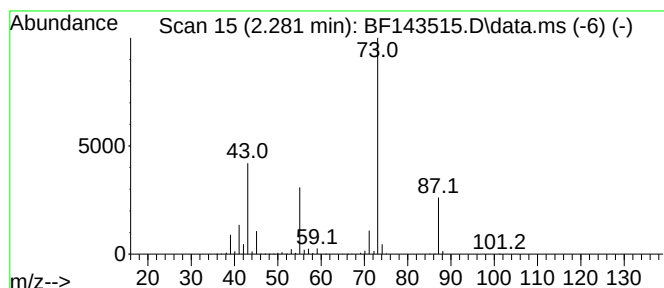
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.281	96.05 ng	3746750	1,4-Dichlorobenzene-d4	6.928

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4		Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143515.D
Acq On : 21 Aug 2025 06:15
Operator : RC/JU
Sample : Q2815-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-N

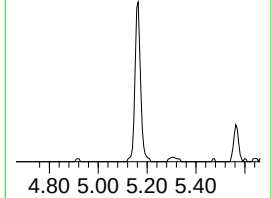
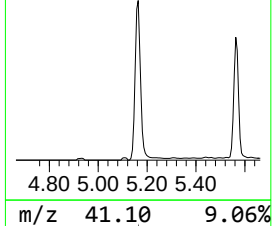
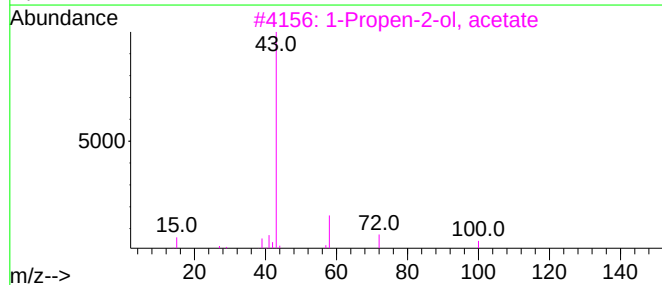
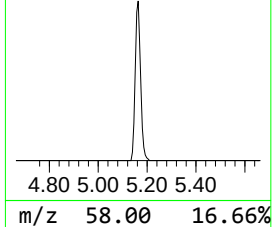
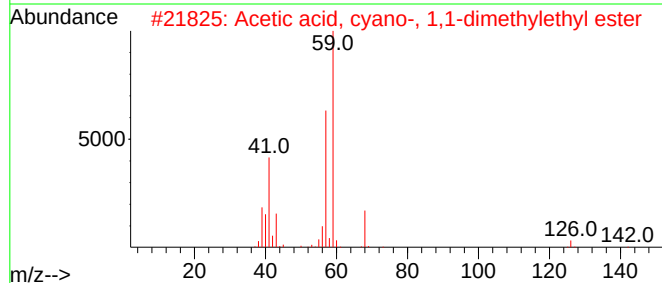
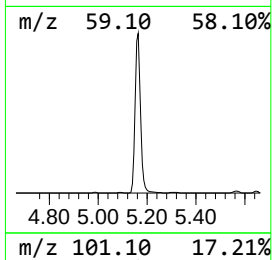
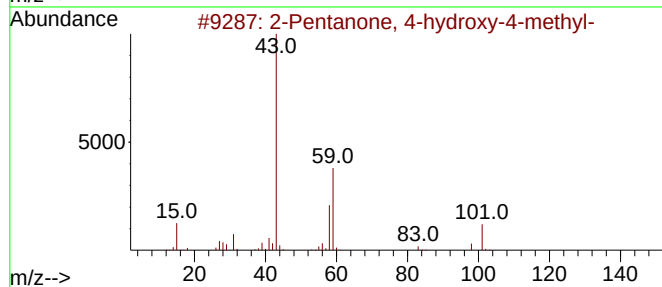
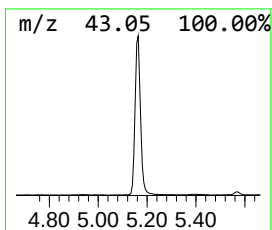
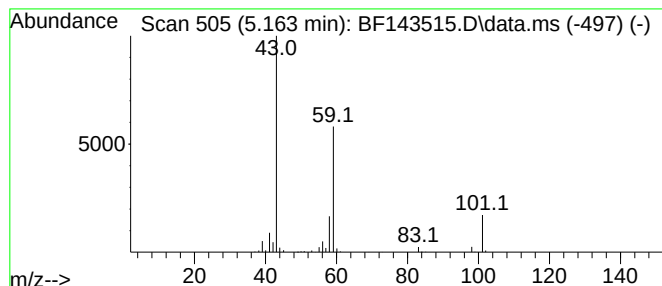
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.163	9.46 ng	368939	1,4-Dichlorobenzene-d4	6.928

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143515.D
Acq On : 21 Aug 2025 06:15
Operator : RC/JU
Sample : Q2815-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-N

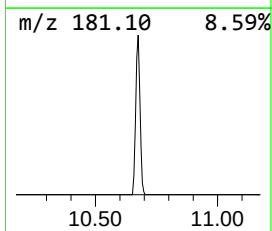
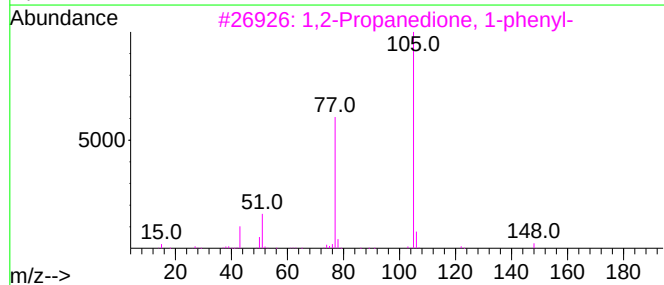
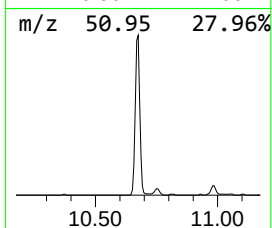
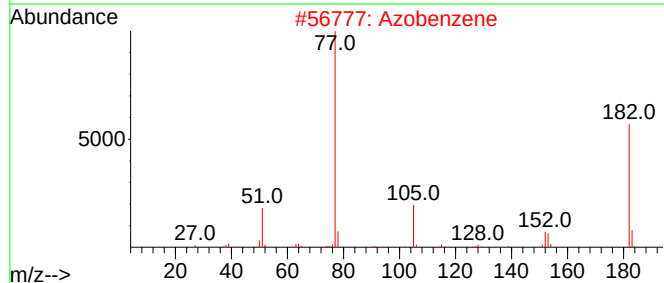
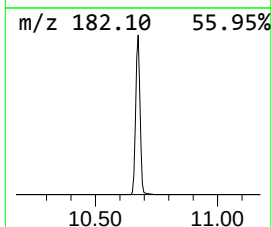
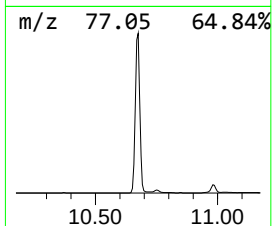
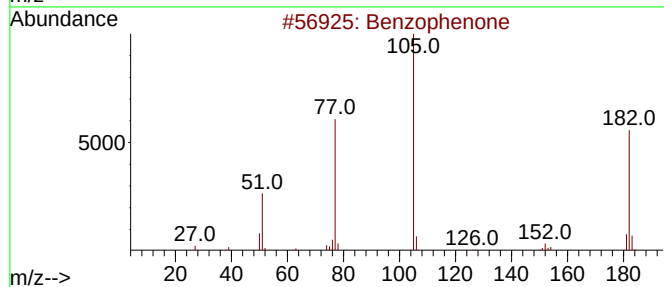
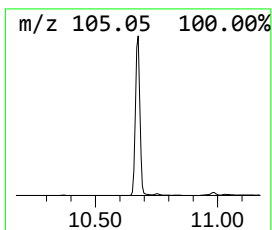
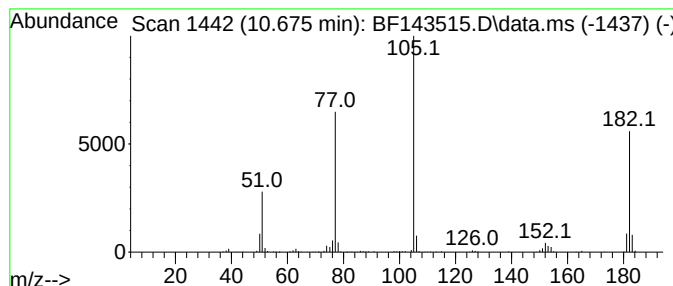
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	7.60 ng	438652	Acenaphthene-d10	9.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	64
3			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
4			Vinyl benzoate	148	C9H8O2	000769-78-8	47
5			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143515.D
Acq On : 21 Aug 2025 06:15
Operator : RC/JU
Sample : Q2815-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-N

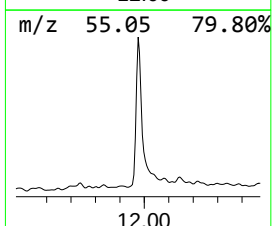
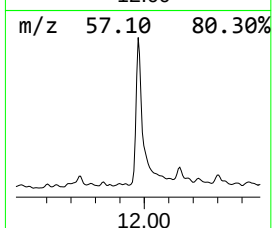
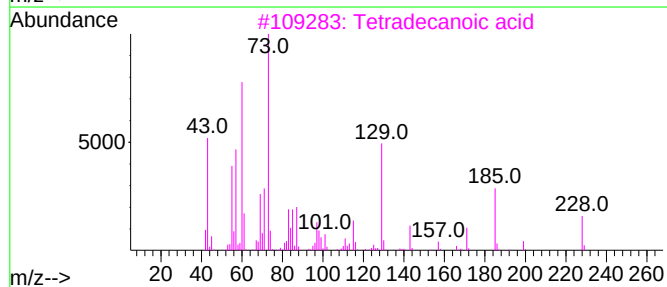
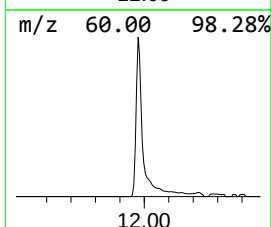
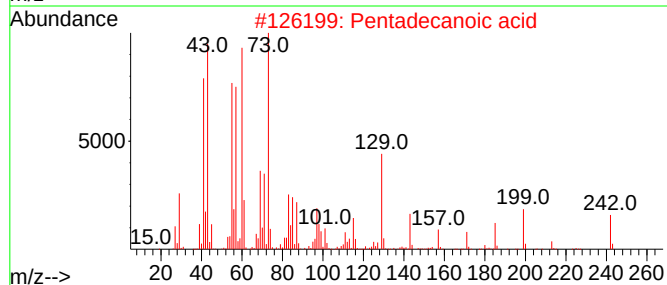
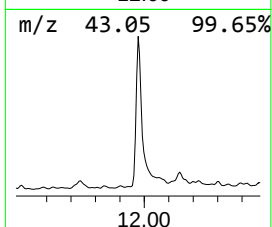
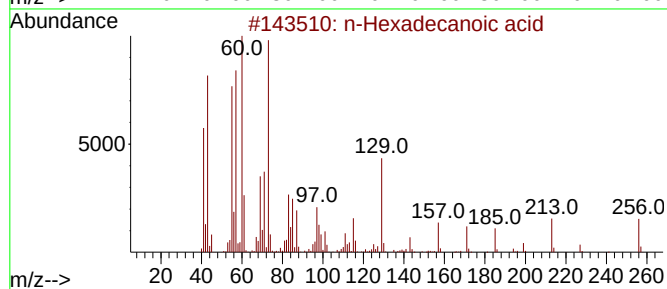
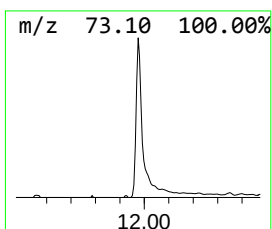
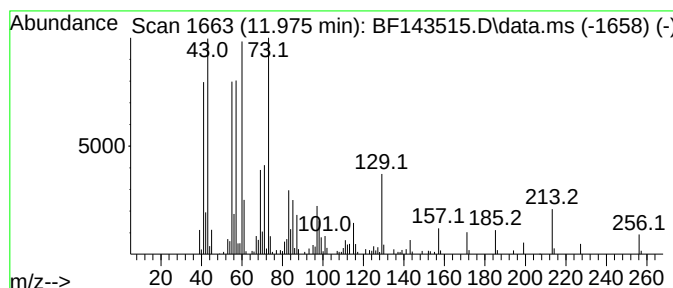
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	5.94 ng	299516	Phenanthrene-d10	11.451

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4		Tridecanoic acid	214	C13H26O2	000638-53-9	64
5		Undecanoic acid	186	C11H22O2	000112-37-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143515.D
Acq On : 21 Aug 2025 06:15
Operator : RC/JU
Sample : Q2815-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

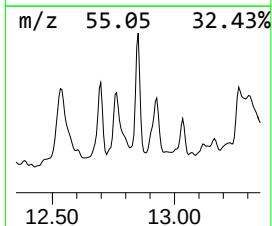
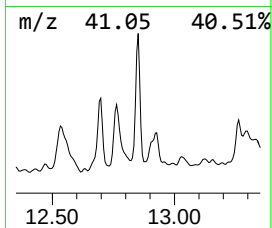
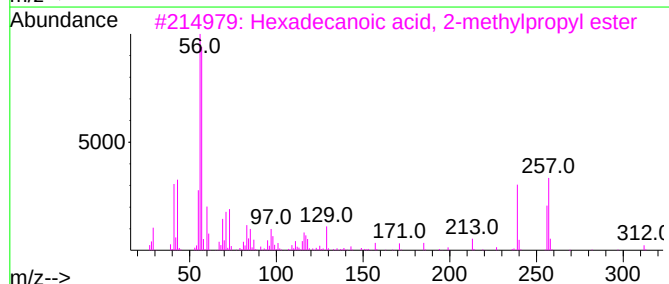
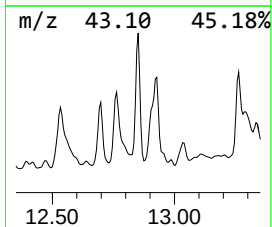
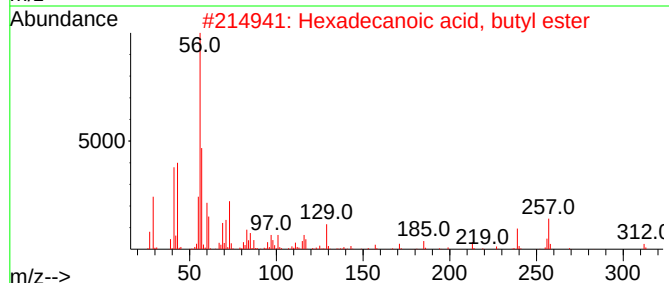
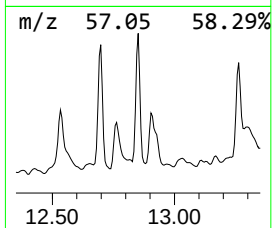
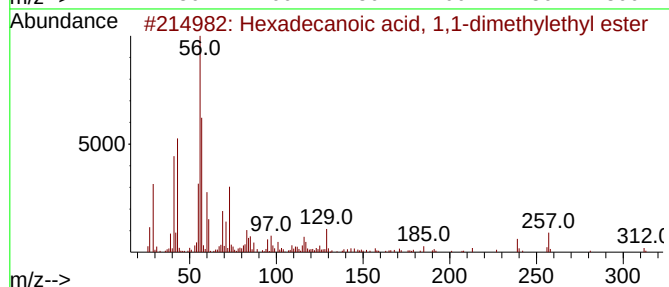
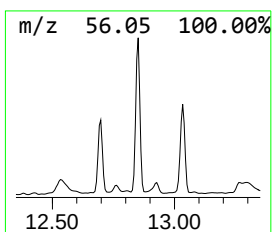
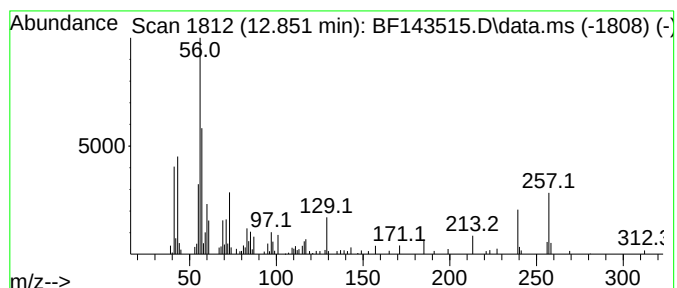
Instrument :
BNA_F
ClientSampleId :
TW-88H-N

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

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

Peak Number 5 Hexadecanoic acid, 1,1-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.851	3.06 ng	91721	Chrysene-d12	14.092	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	98
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	95
3	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	91
4	1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	43
5	Oxirane, 2,3-bis(1-methvlethyl)-...	128	C8H16O	054644-32-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143515.D
Acq On : 21 Aug 2025 06:15
Operator : RC/JU
Sample : Q2815-08
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-N

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.281	96.0	ng	3746750	1	6.928	780165	20.0
2-Pentanone, 4-...	5.163	9.5	ng	368939	1	6.928	780165	20.0
Benzophenone	10.675	7.6	ng	438652	3	9.963	1153960	20.0
n-Hexadecanoic ...	11.975	5.9	ng	299516	4	11.451	1008080	20.0
Hexadecanoic ac...	12.851	3.1	ng	91721	5	14.092	599459	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-09	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143411.D	1	08/12/25 11:39	08/15/25 09:46	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-09	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143411.D	1	08/12/25 11:39	08/15/25 09:46	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-09	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143411.D	1	08/12/25 11:39	08/15/25 09:46	PB169230

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

SURROGATES

367-12-4	2-Fluorophenol	97.6		19 - 119	65%	SPK: 150
13127-88-3	Phenol-d6	74.3		10 - 130	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		44 - 120	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.3		44 - 119	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	173		43 - 140	116%	SPK: 150
1718-51-0	Terphenyl-d14	88.8		50 - 134	89%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	141000	6.934
1146-65-2	Naphthalene-d8	532000	8.21
15067-26-2	Acenaphthene-d10	274000	9.969
1517-22-2	Phenanthrene-d10	391000	11.457
1719-03-5	Chrysene-d12	270000	14.098
1520-96-3	Perylene-d12	333000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	110	J	2.30	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.30	AB	5.17	ug/L
000119-61-9	Benzophenone	4.40	J	10.7	ug/L
000057-10-3	n-Hexadecanoic acid	3.30	J	12.0	ug/L
007098-21-7	Tritetracontane	2.40	J	13.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-09	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143411.D	1	08/12/25 11:39	08/15/25 09:46	PB169230

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143411.D
Acq On : 15 Aug 2025 09:46
Operator : RC/JU
Sample : Q2815-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-W

Quant Time: Aug 15 11:05:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	140835	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	532467	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	273733	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	391193	20.000	ng	0.00
76) Chrysene-d12	14.098	240	269564	20.000	ng	0.00
86) Perylene-d12	15.592	264	332981	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	794538	97.558	ng	0.00
7) Phenol-d6	6.563	99	775874	74.289	ng	0.00
23) Nitrobenzene-d5	7.492	82	923757	108.036	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	346974	173.444	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1602519	99.275	ng	0.00
79) Terphenyl-d14	13.039	244	1340995	88.815	ng	0.00

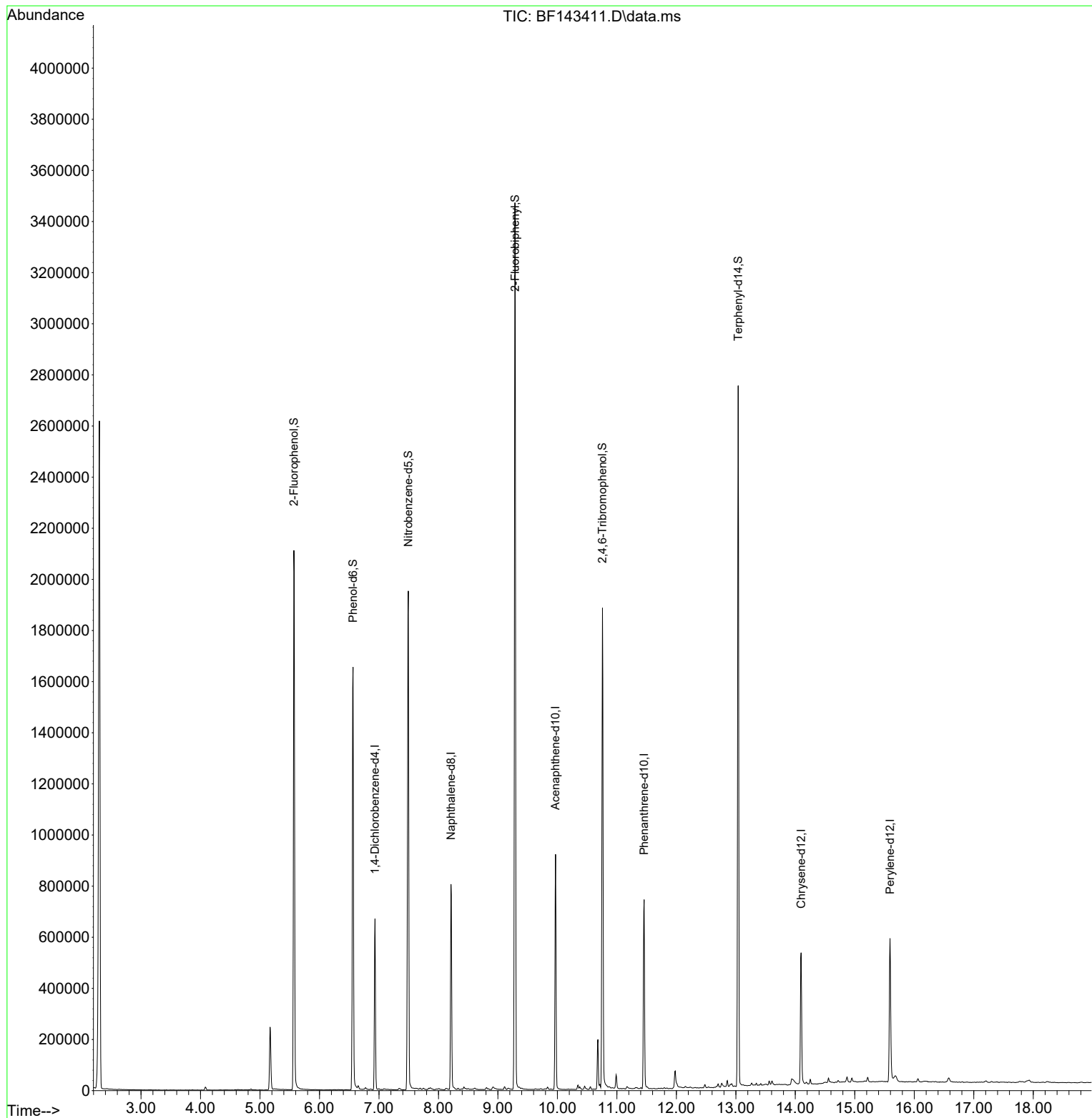
Target Compounds	Qvalue

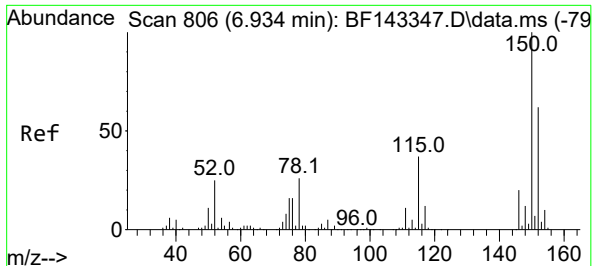
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143411.D
Acq On : 15 Aug 2025 09:46
Operator : RC/JU
Sample : Q2815-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-W

Quant Time: Aug 15 11:05:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

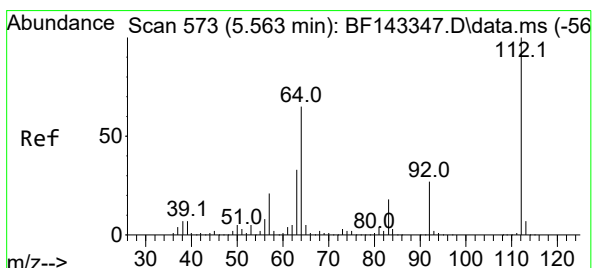
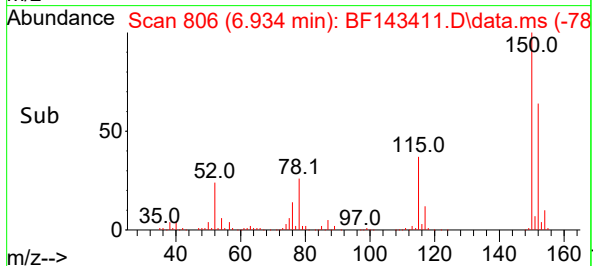
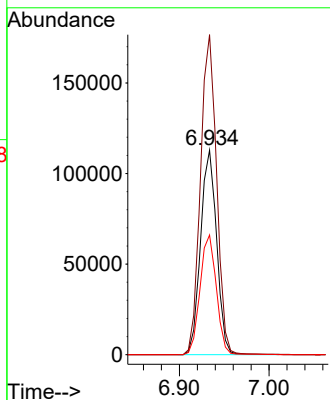
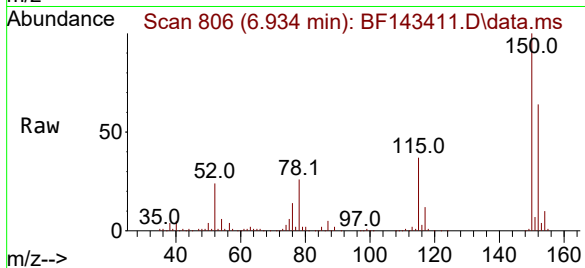




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143411.D
Acq: 15 Aug 2025 09:46

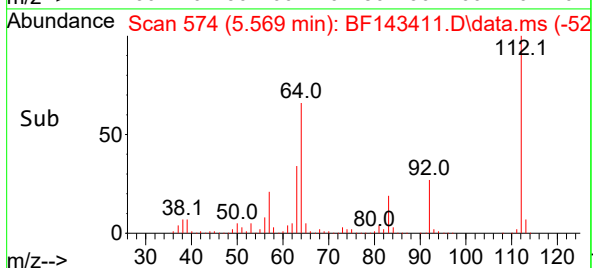
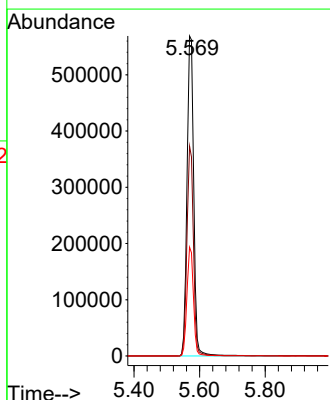
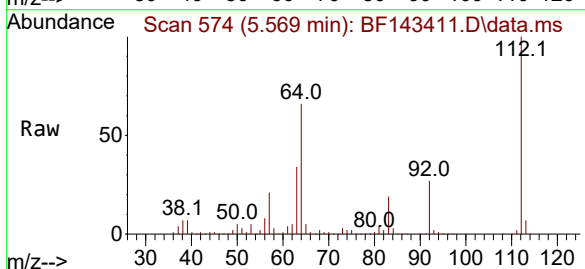
Instrument :
BNA_F
ClientSampleId :
TW-88H-W

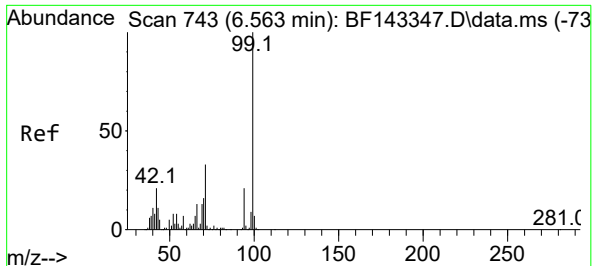
Tgt Ion:152 Resp: 140835
Ion Ratio Lower Upper
152 100
150 156.4 129.8 194.8
115 58.5 47.8 71.8



#5
2-Fluorophenol
Concen: 97.558 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143411.D
Acq: 15 Aug 2025 09:46

Tgt Ion:112 Resp: 794538
Ion Ratio Lower Upper
112 100
64 65.5 52.1 78.1
63 34.0 26.6 39.8

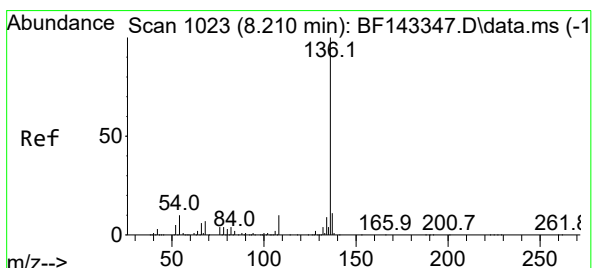
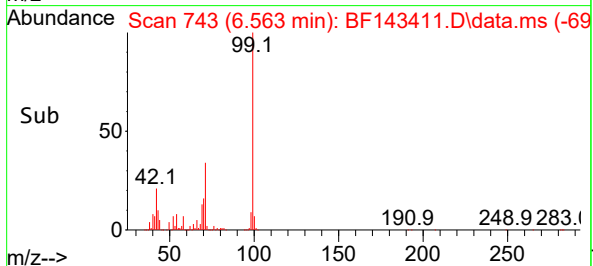
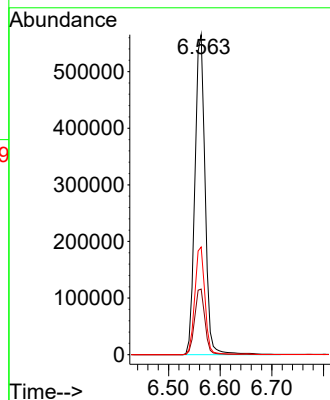
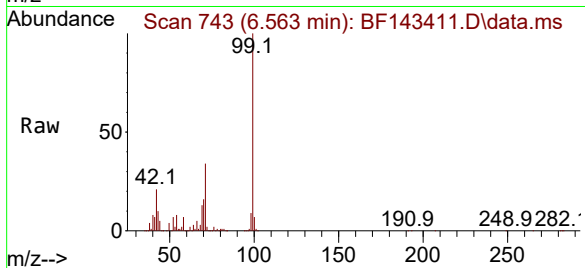




#7
Phenol-d6
Concen: 74.289 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143411.D
Acq: 15 Aug 2025 09:46

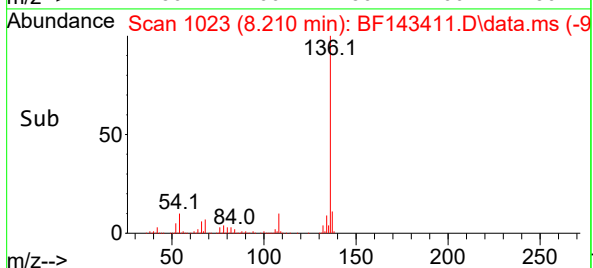
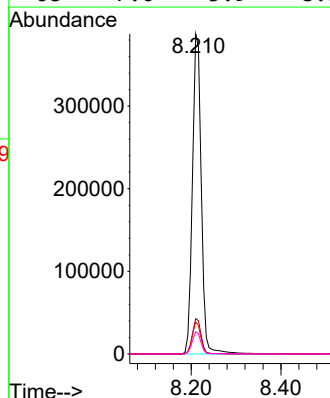
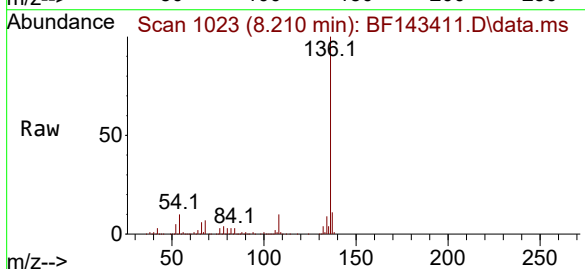
Instrument :
BNA_F
ClientSampleId :
TW-88H-W

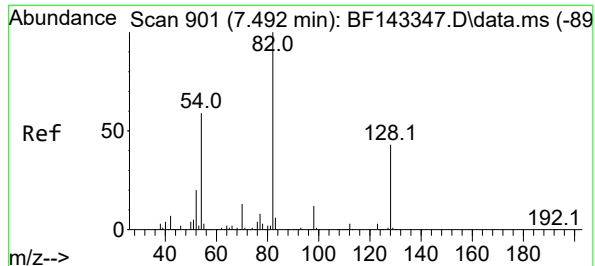
Tgt Ion: 99 Resp: 775874
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 33.6 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143411.D
Acq: 15 Aug 2025 09:46

Tgt Ion: 136 Resp: 532467
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.0 8.4 12.6
68 7.0 5.9 8.9





#23

Nitrobenzene-d5

Concen: 108.036 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143411.D

Acq: 15 Aug 2025 09:46

Instrument :

BNA_F

ClientSampleId :

TW-88H-W

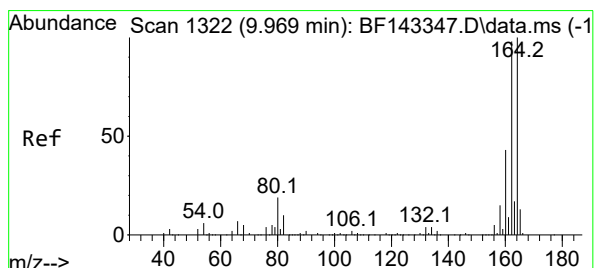
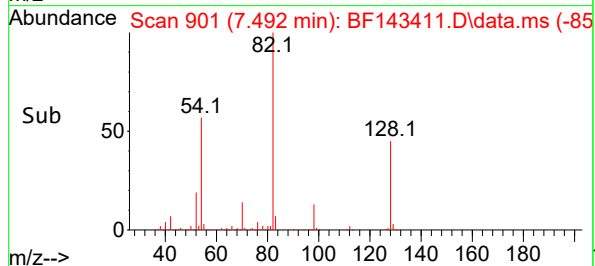
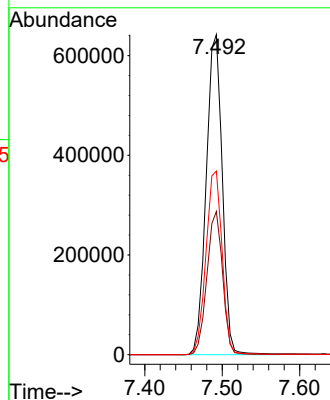
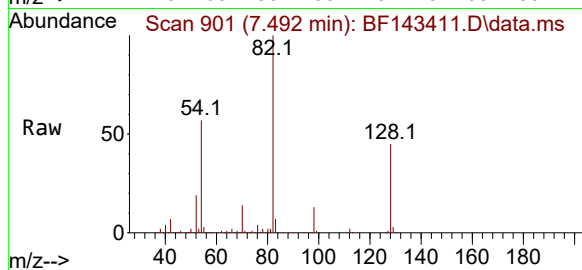
Tgt Ion: 82 Resp: 923757

Ion Ratio Lower Upper

82 100

128 44.7 33.5 50.3

54 57.4 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143411.D

Acq: 15 Aug 2025 09:46

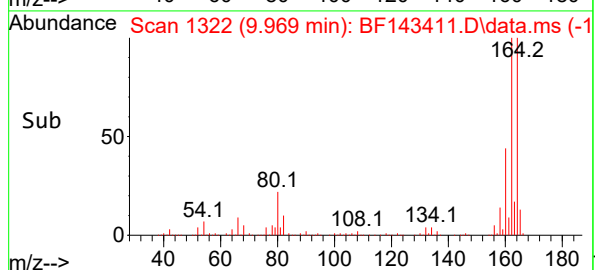
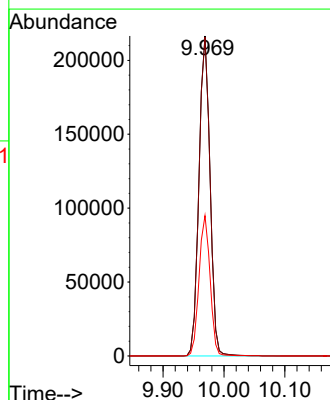
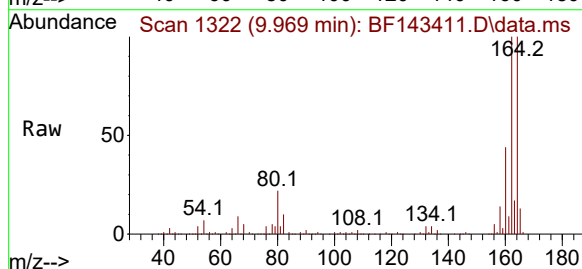
Tgt Ion: 164 Resp: 273733

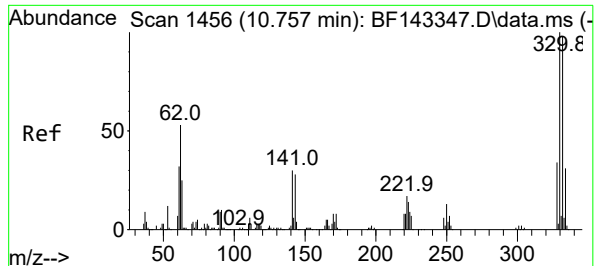
Ion Ratio Lower Upper

164 100

162 99.6 78.6 118.0

160 43.8 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 173.444 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143411.D

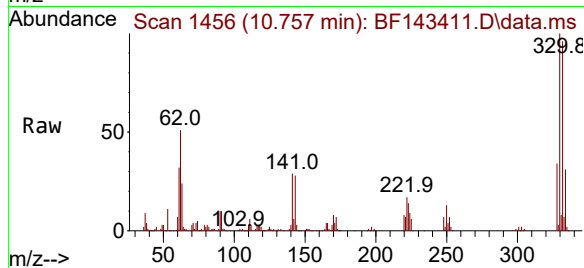
Acq: 15 Aug 2025 09:46

Instrument :

BNA_F

ClientSampleId :

TW-88H-W



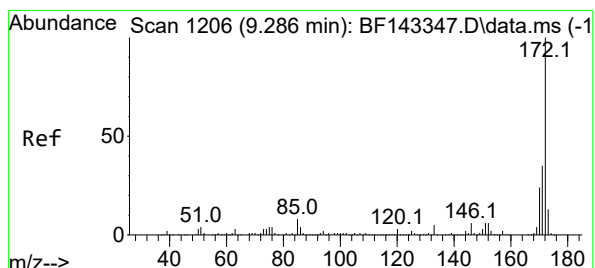
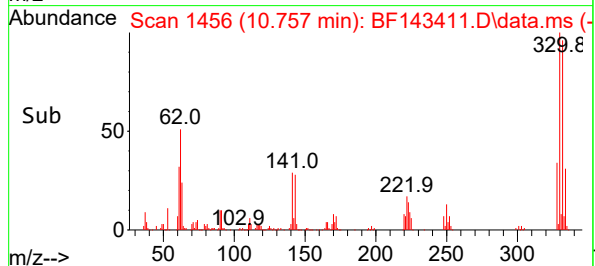
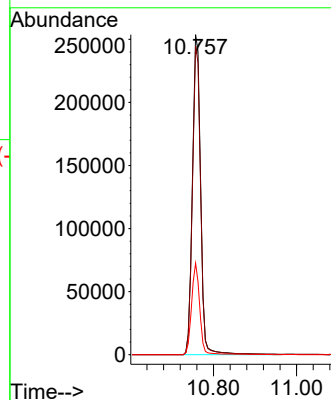
Tgt Ion:330 Resp: 346974

Ion Ratio Lower Upper

330 100

332 96.3 78.1 117.1

141 28.6 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 99.275 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143411.D

Acq: 15 Aug 2025 09:46

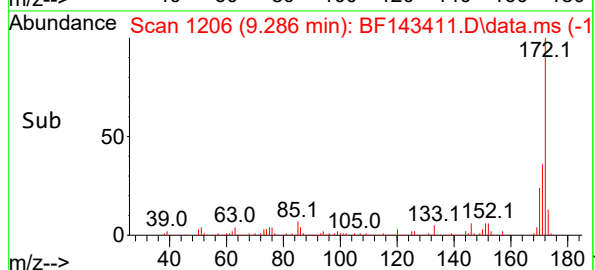
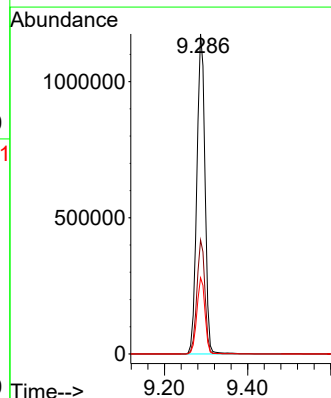
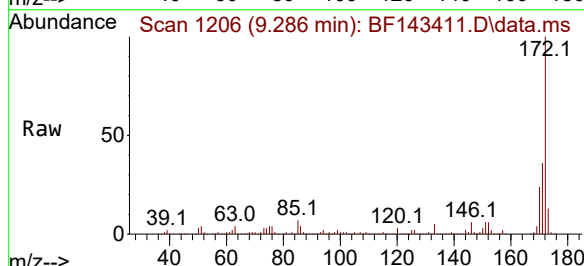
Tgt Ion:172 Resp: 1602519

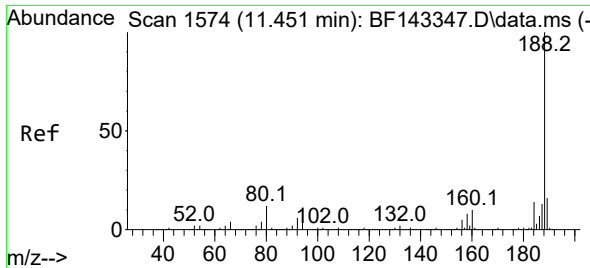
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.8 19.1 28.7

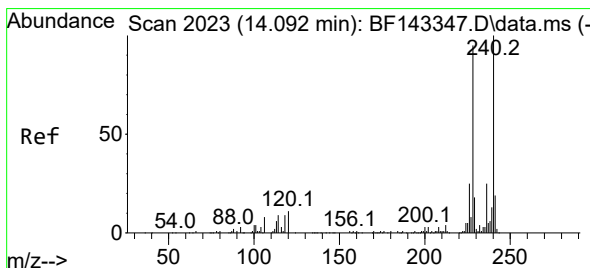
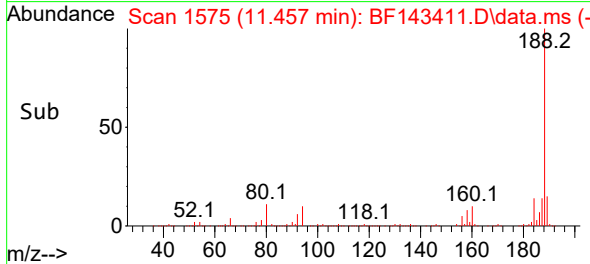
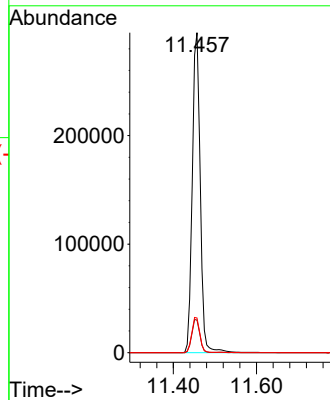
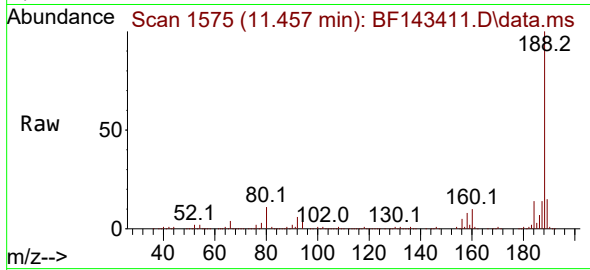




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143411.D
Acq: 15 Aug 2025 09:46

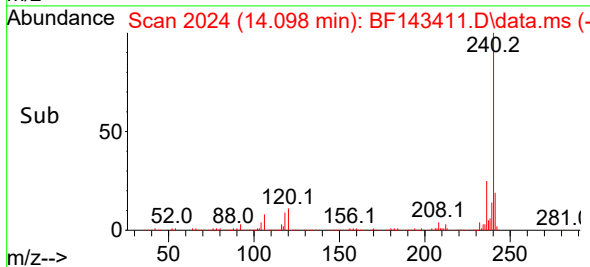
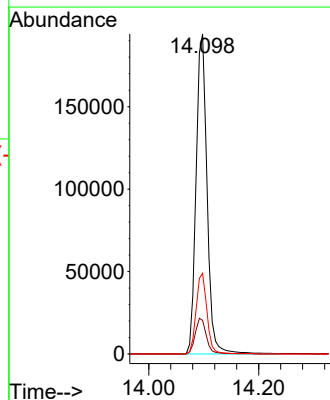
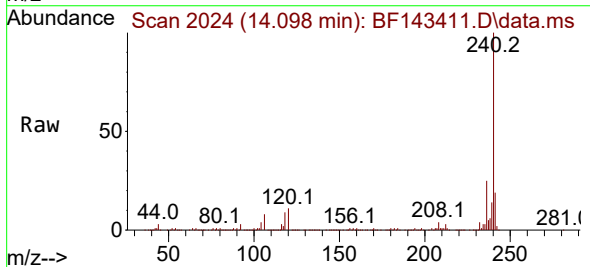
Instrument :
BNA_F
ClientSampleId :
TW-88H-W

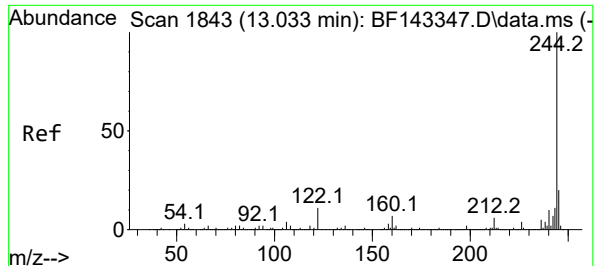
Tgt Ion:188 Resp: 391193
Ion Ratio Lower Upper
188 100
94 10.2 8.8 13.2
80 10.9 9.7 14.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143411.D
Acq: 15 Aug 2025 09:46

Tgt Ion:240 Resp: 269564
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.6
236 25.2 19.9 29.9





#79

Terphenyl-d14

Concen: 88.815 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF143411.D

Acq: 15 Aug 2025 09:46

Instrument :

BNA_F

ClientSampleId :

TW-88H-W

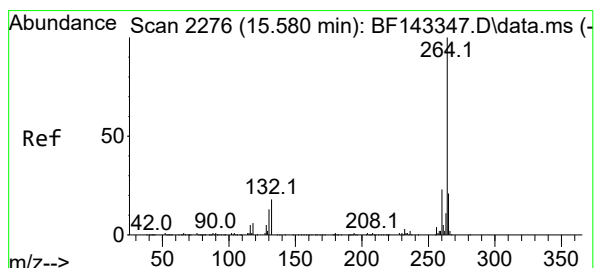
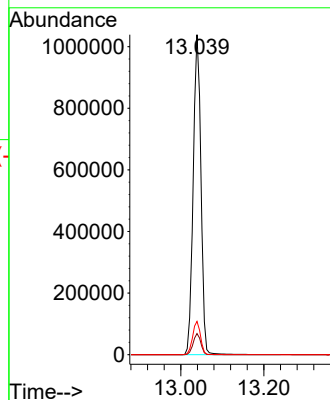
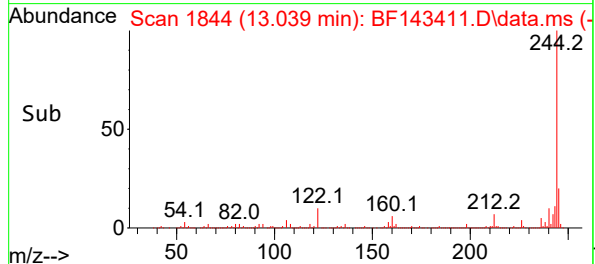
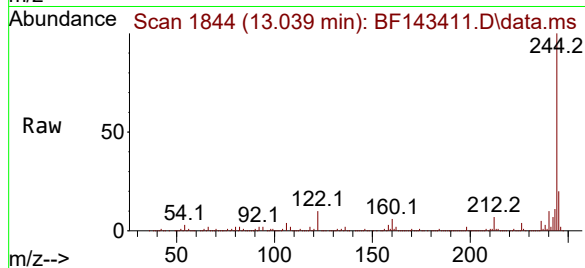
Tgt Ion:244 Resp: 1340995

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 10.4 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143411.D

Acq: 15 Aug 2025 09:46

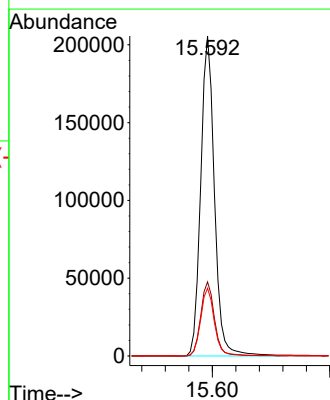
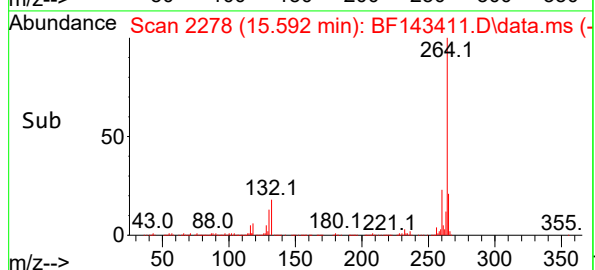
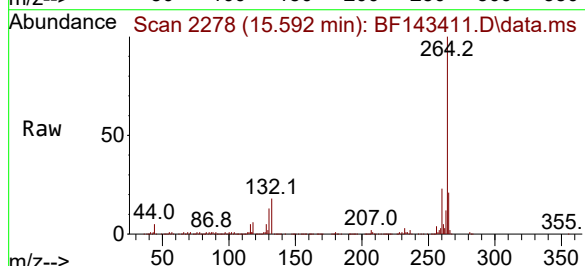
Tgt Ion:264 Resp: 332981

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.2 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143411.D
Acq On : 15 Aug 2025 09:46
Operator : RC/JU
Sample : Q2815-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143411.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.299	7	18	33	rVB	2613121	4531742	96.94%	15.176%
2	5.169	498	506	514	rBV	246325	387212	8.28%	1.297%
3	5.569	569	574	593	rBV	2109607	2884712	61.71%	9.660%
4	6.563	737	743	755	rBV	1653563	2267152	48.50%	7.592%
5	6.934	801	806	814	rBV	669591	843796	18.05%	2.826%
6	7.492	894	901	906	rBV	1951084	2789514	59.67%	9.341%
7	8.210	1018	1023	1040	rVB	802728	1086022	23.23%	3.637%
8	9.286	1200	1206	1217	rBV	3468627	4674812	100.00%	15.655%
9	9.969	1316	1322	1344	rVB	919690	1173039	25.09%	3.928%
10	10.680	1438	1443	1447	rBV	194270	255701	5.47%	0.856%
11	10.757	1451	1456	1472	rVV	1877124	2514616	53.79%	8.421%
12	10.986	1490	1495	1504	rVB	54112	77144	1.65%	0.258%
13	11.457	1569	1575	1582	rBV	739332	971073	20.77%	3.252%
14	11.980	1655	1664	1678	rBV2	69326	157780	3.38%	0.528%
15	13.039	1838	1844	1849	rBV	2741675	3523556	75.37%	11.799%
16	13.939	1993	1997	2015	rBV5	21601	84450	1.81%	0.283%
17	14.098	2018	2024	2035	rVB	512316	714953	15.29%	2.394%
18	15.592	2272	2278	2287	rBV	560336	924915	19.79%	3.097%

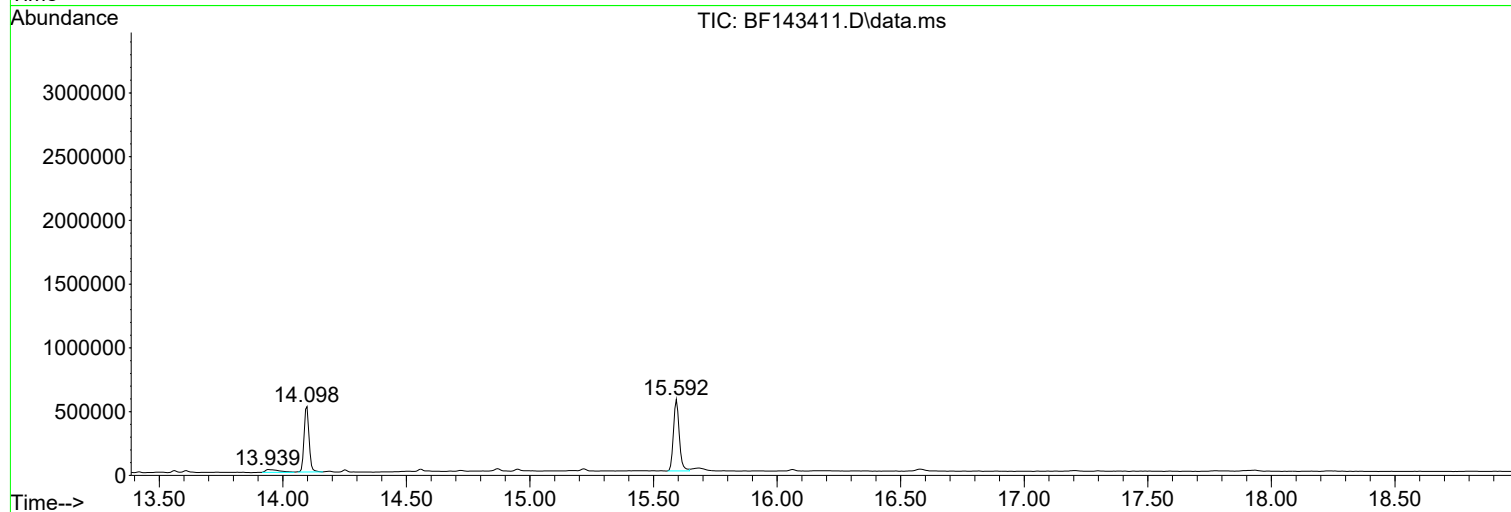
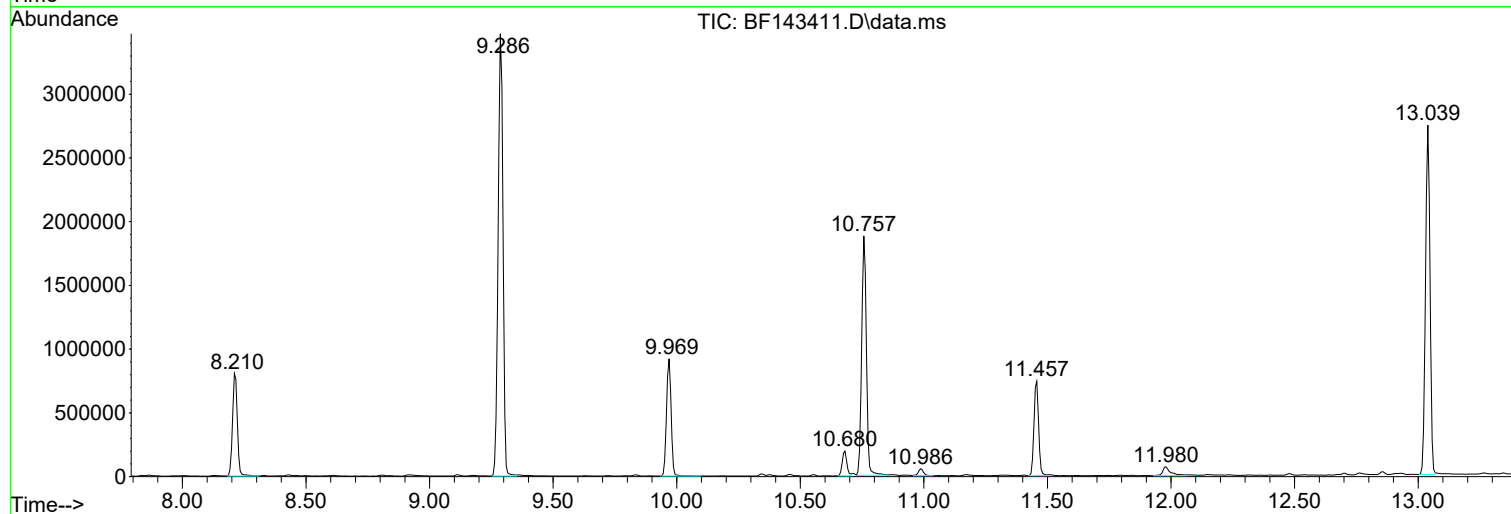
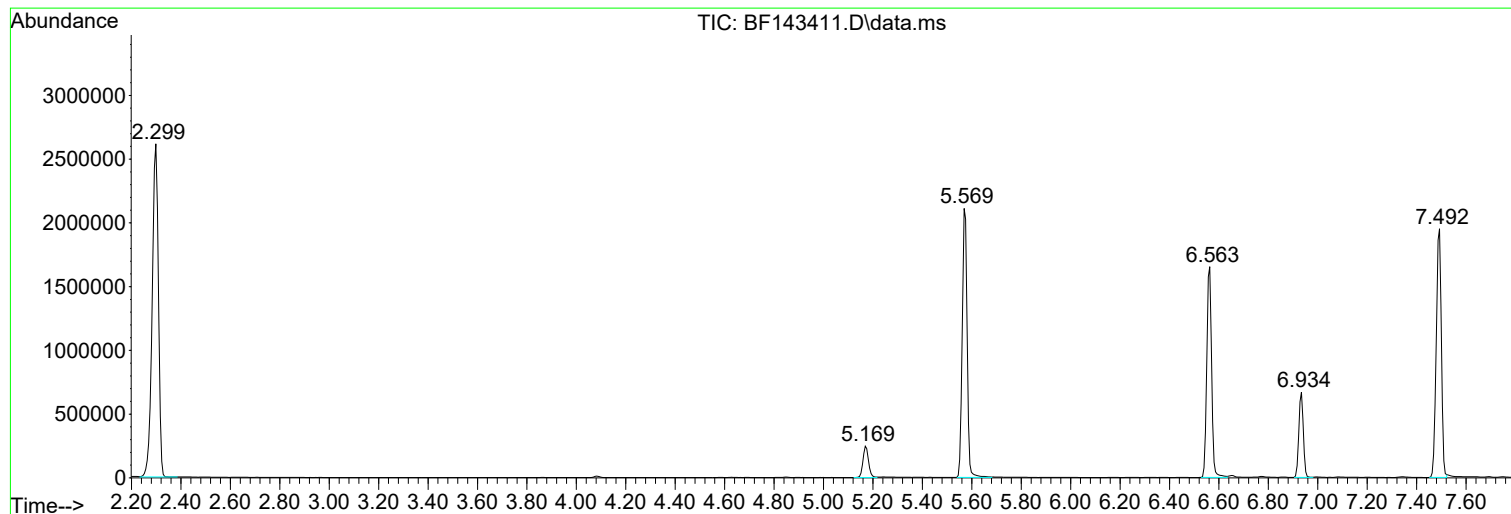
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Data File : BF143411.D
Acq On : 15 Aug 2025 09:46
Operator : RC/JU
Sample : Q2815-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-W

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143411.D
Acq On : 15 Aug 2025 09:46
Operator : RC/JU
Sample : Q2815-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-W

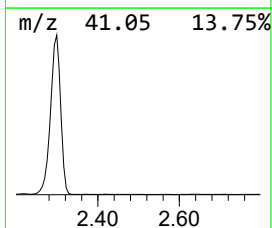
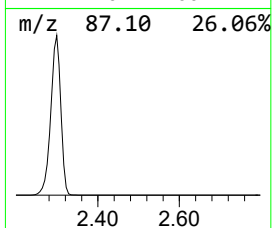
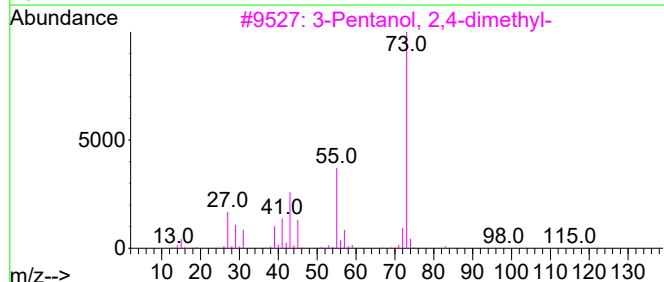
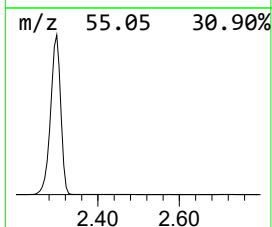
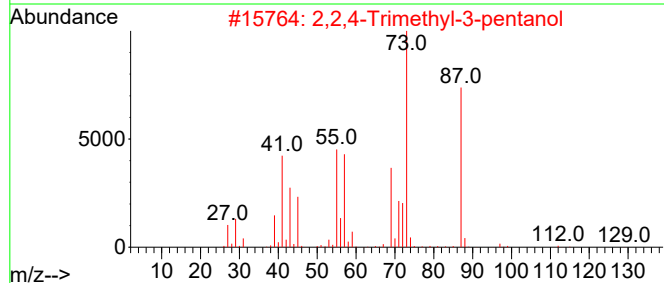
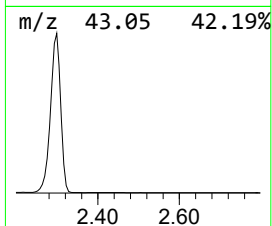
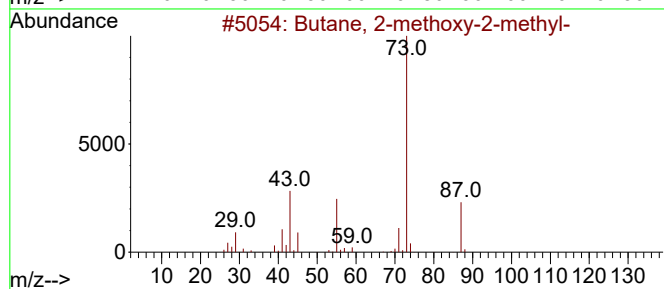
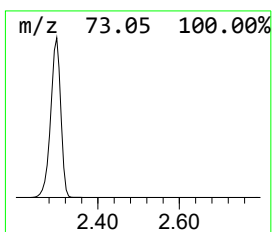
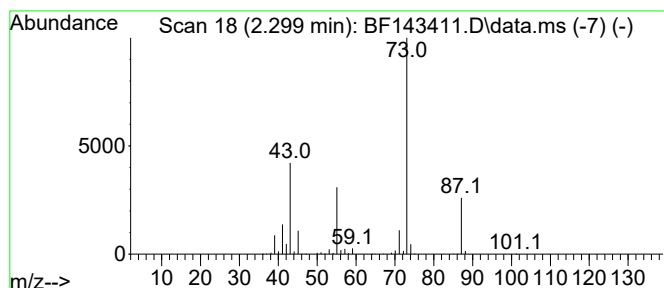
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.299	107.41 ng	4531740	1,4-Dichlorobenzene-d4	6.934

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143411.D
Acq On : 15 Aug 2025 09:46
Operator : RC/JU
Sample : Q2815-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-88H-W

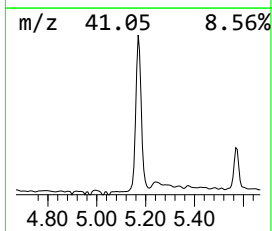
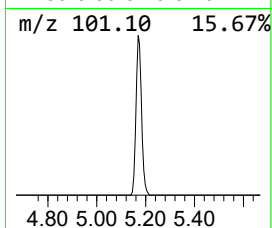
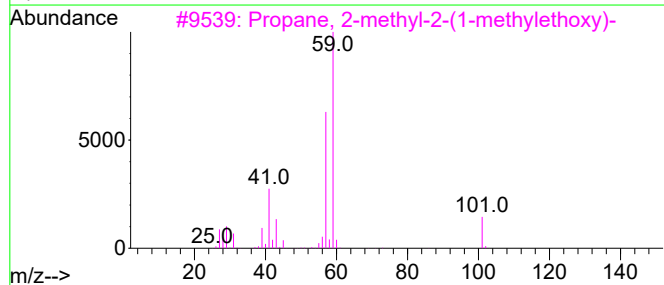
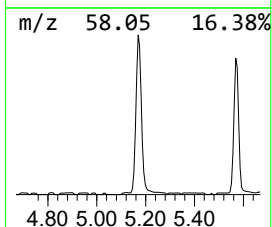
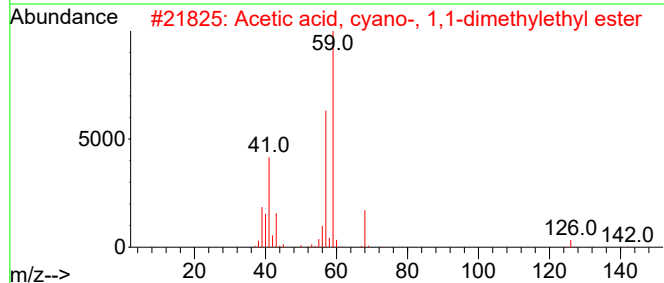
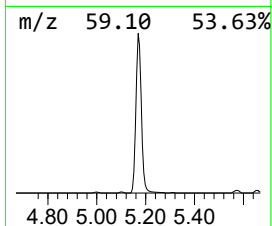
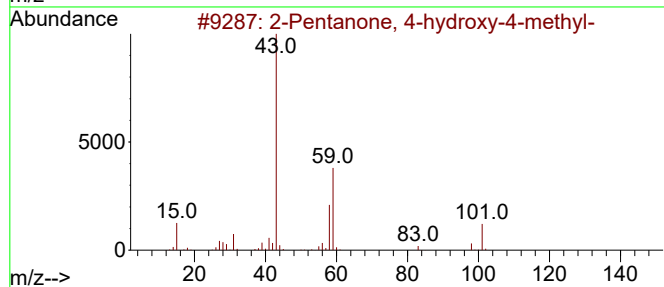
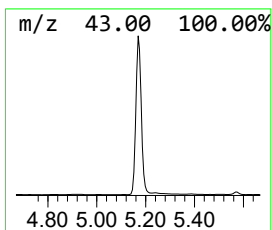
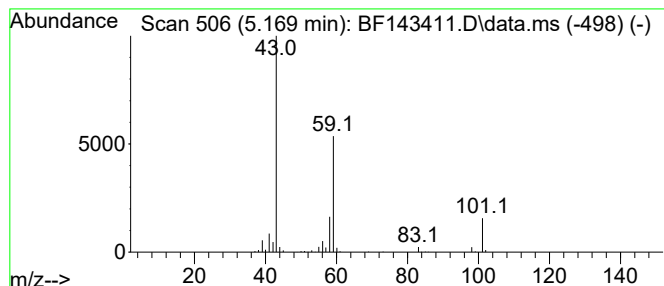
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.169	9.18 ng	387212	1,4-Dichlorobenzene-d4			6.934

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2		000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2		001116-98-9	37
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O		017348-59-3	36
4	3-Hexanol, 4-methyl-	116	C7H16O		000615-29-2	33
5	2-Hexanol, 2-methyl-	116	C7H16O		000625-23-0	28



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143411.D
Acq On : 15 Aug 2025 09:46
Operator : RC/JU
Sample : Q2815-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-W

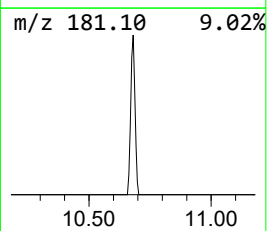
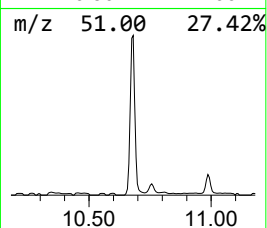
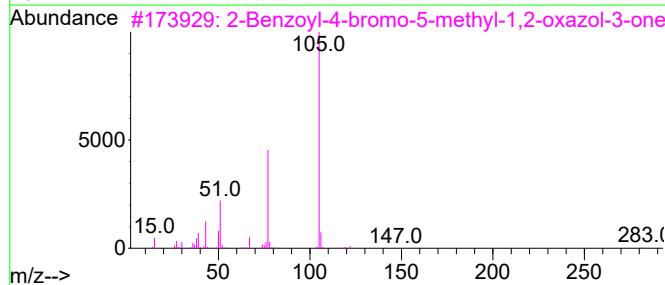
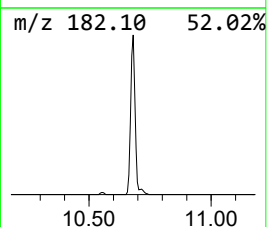
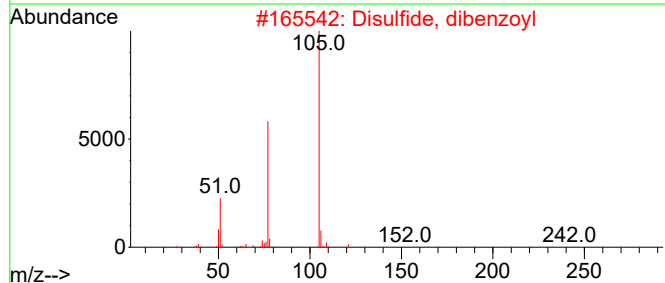
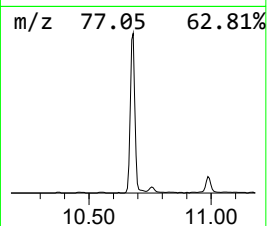
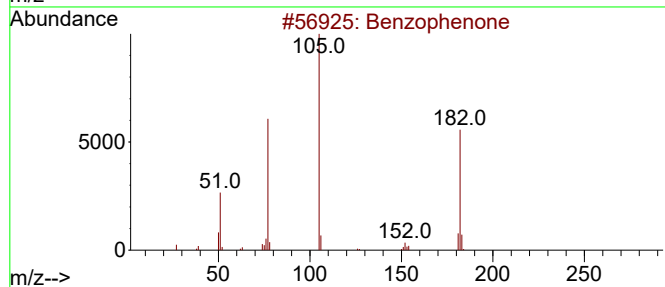
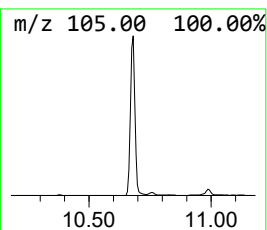
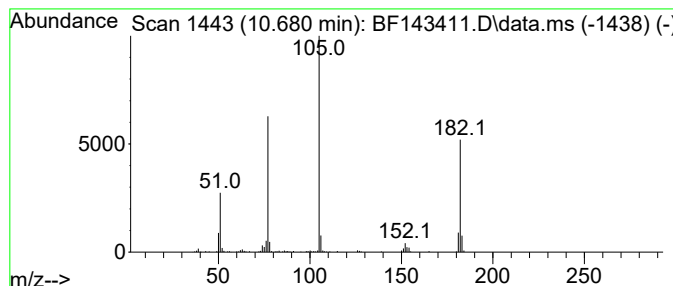
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.681	4.36 ng	255701	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49
3			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
4			2-Chloro-1-phenyl-1-propanone	168	C9H9ClO	006084-17-9	47
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143411.D
Acq On : 15 Aug 2025 09:46
Operator : RC/JU
Sample : Q2815-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-88H-W

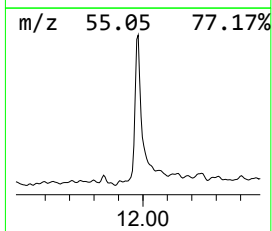
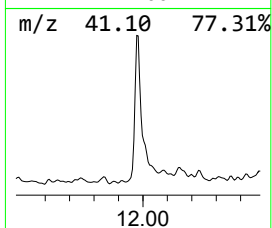
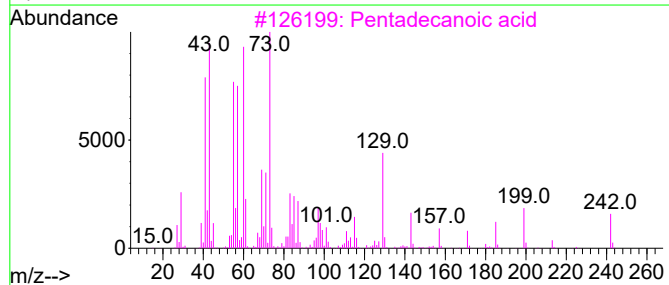
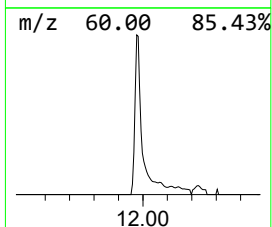
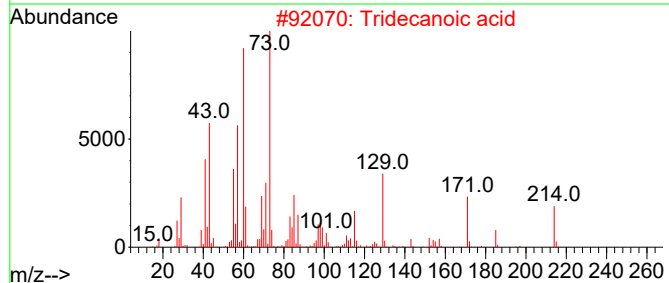
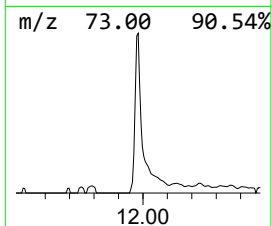
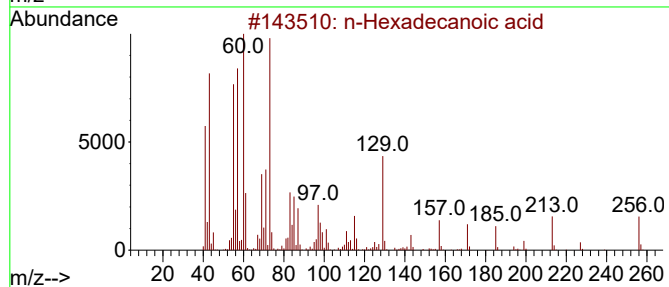
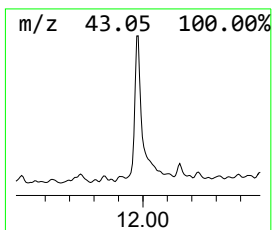
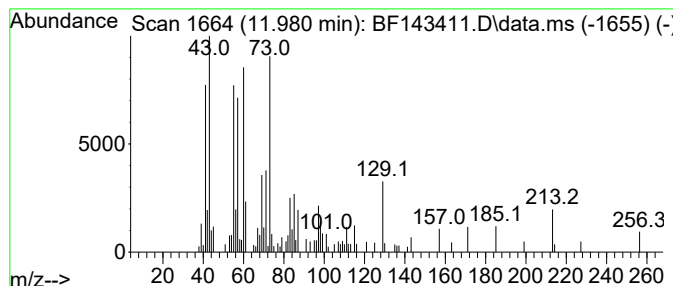
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	3.25 ng	157780	Phenanthrene-d10	11.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Tridecanoic acid	214	C13H26O2	000638-53-9	81
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5			Dodecanoic acid	200	C12H24O2	000143-07-7	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143411.D
Acq On : 15 Aug 2025 09:46
Operator : RC/JU
Sample : Q2815-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-W

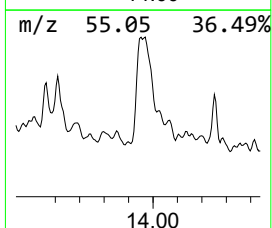
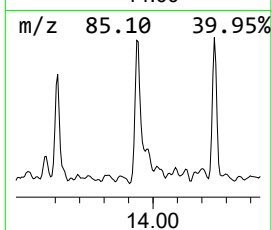
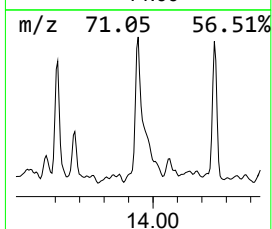
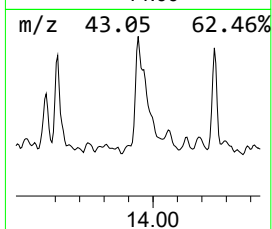
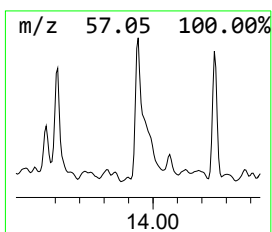
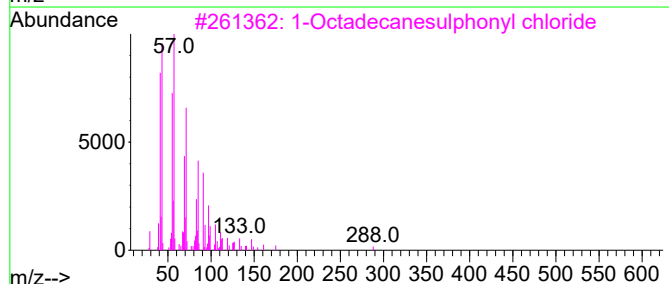
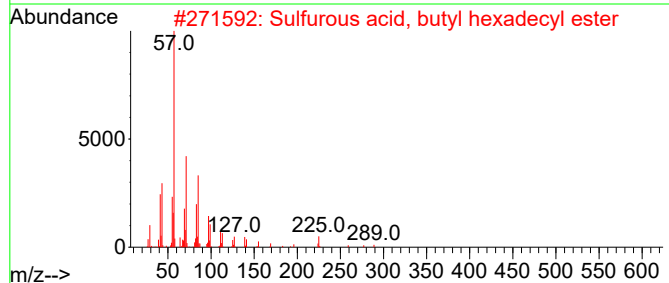
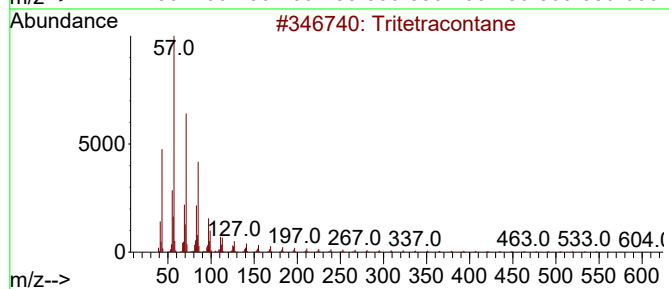
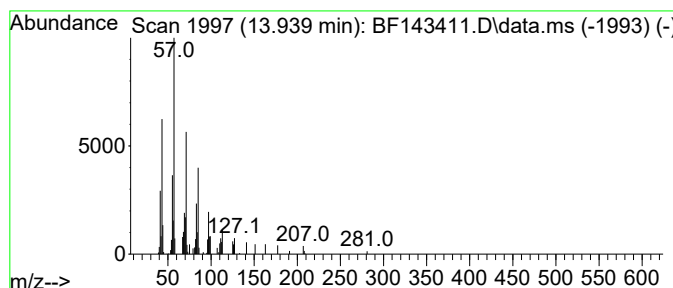
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tritetracontane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	2.36 ng	84450	Chrysene-d12	14.098

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tritetracontane	605	C43H88	007098-21-7	91
2			Sulfurous acid, butyl hexadecyl ...	362	C20H42O3S	1000309-18-3	90
3			1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	87
4			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	86
5			Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-88H-W

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.299	107.4	ng	4531740	1	6.934	843796	20.0
2-Pentanone, 4-...	5.169	9.2	ng	387212	1	6.934	843796	20.0
Benzophenone	10.681	4.4	ng	255701	3	9.969	1173040	20.0
n-Hexadecanoic ...	11.980	3.3	ng	157780	4	11.457	971073	20.0
Tritetracontane	13.939	2.4	ng	84450	5	14.098	714953	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025525.D	1	08/12/25 11:39	08/21/25 03:18	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025525.D	1	08/12/25 11:39	08/21/25 03:18	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025525.D	1	08/12/25 11:39	08/21/25 03:18	PB169230

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

SURROGATES

367-12-4	2-Fluorophenol	77.4		19 - 119		52%	SPK: 150
13127-88-3	Phenol-d6	57.2		10 - 130		38%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.7		44 - 120		78%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.8		44 - 119		68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		43 - 140		80%	SPK: 150
1718-51-0	Terphenyl-d14	78.0		50 - 134		78%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	224000	7.784				
1146-65-2	Naphthalene-d8	911000	10.554				
15067-26-2	Acenaphthene-d10	611000	14.395				
1517-22-2	Phenanthrene-d10	1130000	17.195				
1719-03-5	Chrysene-d12	955000	21.636				
1520-96-3	Perylene-d12	1100000	25.006				

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	66.0	J			3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.20	AB			4.95	ug/L
000119-61-9	Benzophenone	6.30	J			15.8	ug/L
000057-10-3	n-Hexadecanoic acid	10.3	J			18.1	ug/L
000110-34-9	Hexadecanoic acid, 2-methylpropyl	4.10	J			19.4	ug/L
000057-11-4	Octadecanoic acid	4.80	J			19.5	ug/L
000111-06-8	Hexadecanoic acid, butyl ester	10.6	J			19.6	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-88H-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-10	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025525.D	1	08/12/25 11:39	08/21/25 03:18	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000646-13-9	Octadecanoic acid, 2-methylpropyl	2.10	J			20.5	ug/L
	unknown20.595	6.80	J			20.6	ug/L
000123-95-5	Octadecanoic acid, butyl ester	7.80	J			20.7	ug/L
1000309-38-0	Oxalic acid, isobutyl pentadecyl e	4.80	J			21.3	ug/L
000112-95-8	Eicosane	2.20	J			21.9	ug/L
000593-45-3	Octadecane	2.10	J			22.6	ug/L
000630-02-4	Octacosane	2.40	J			23.3	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-88H-S

Quant Time: Aug 21 05:11:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	223815	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	911198	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	611112	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	1126779	20.000	ng	0.00
76) Chrysene-d12	21.636	240	954753	20.000	ng	-0.01
86) Perylene-d12	25.006	264	1099019	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	1043652	77.439	ng	0.00
7) Phenol-d6	6.966	99	987626	57.158	ng	0.00
23) Nitrobenzene-d5	8.931	82	1400365	77.742	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	985098	119.760	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	3032844	67.826	ng	0.00
79) Terphenyl-d14	19.918	244	4072129	78.033	ng	0.00

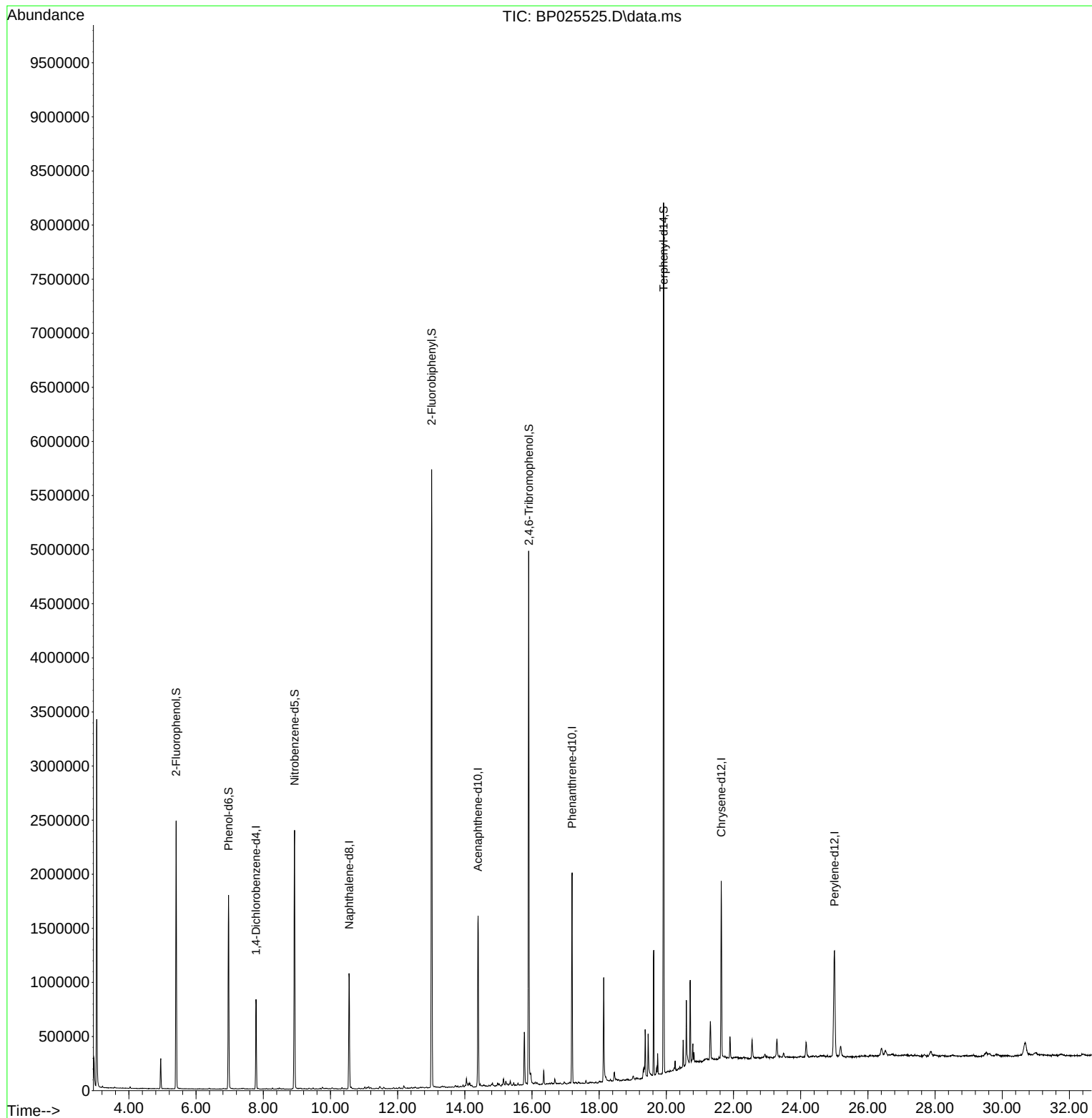
Target Compounds	Qvalue

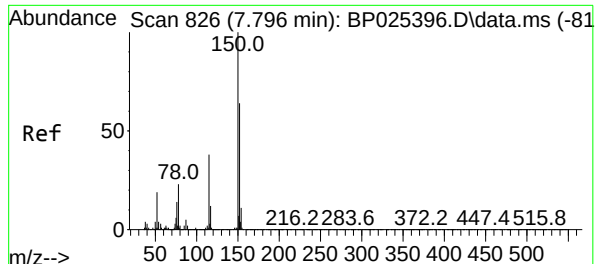
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-88H-S

Quant Time: Aug 21 05:11:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

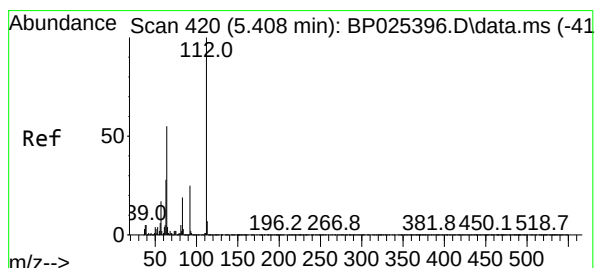
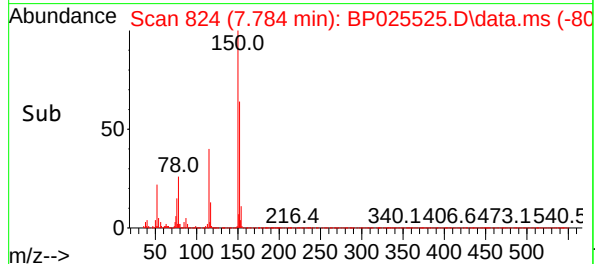
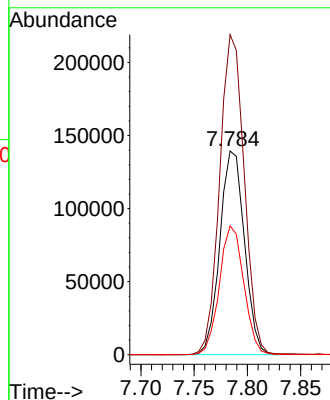
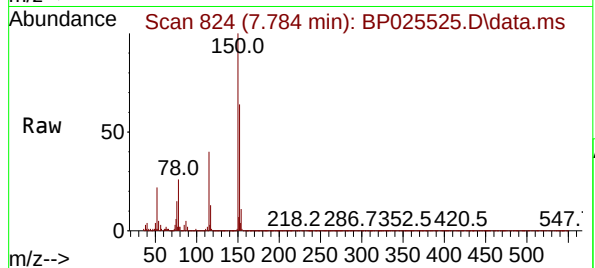




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025525.D
Acq: 21 Aug 2025 03:18

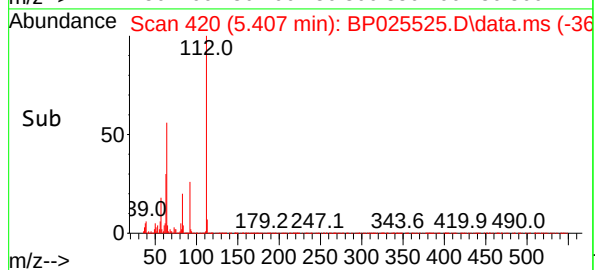
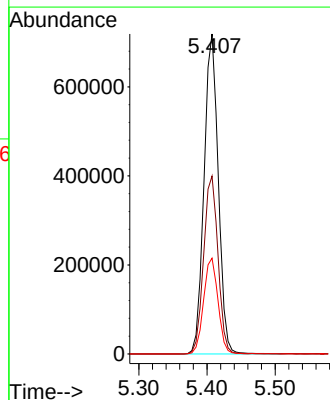
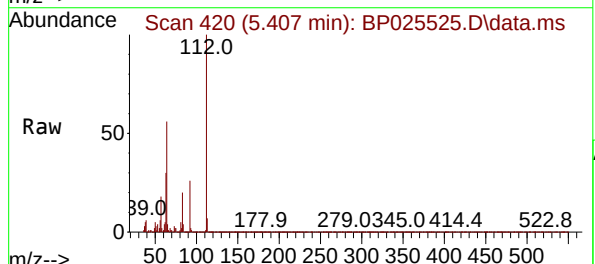
Instrument :
BNA_P
ClientSampleId :
TW-88H-S

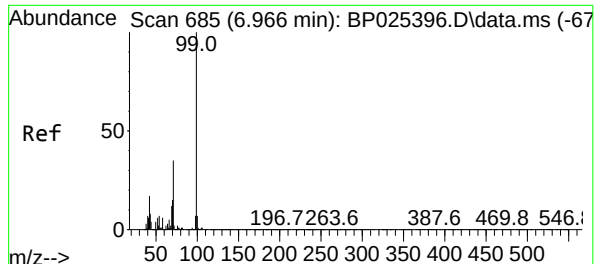
Tgt Ion:152 Resp: 223815
Ion Ratio Lower Upper
152 100
150 157.1 125.9 188.9
115 63.2 48.5 72.7



#5
2-Fluorophenol
Concen: 77.439 ng
RT: 5.407 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025525.D
Acq: 21 Aug 2025 03:18

Tgt Ion:112 Resp: 1043652
Ion Ratio Lower Upper
112 100
64 55.6 43.8 65.8
63 29.9 22.7 34.1

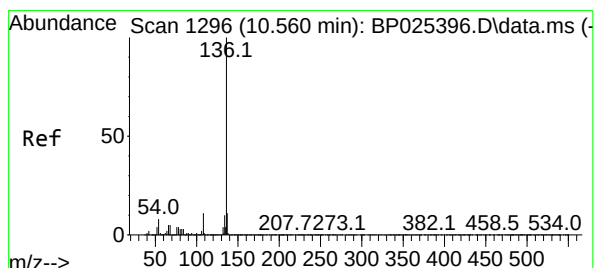
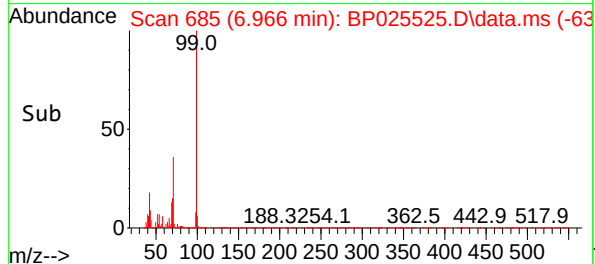
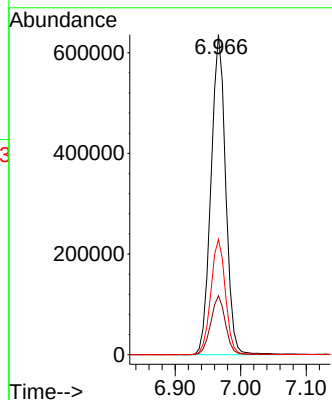
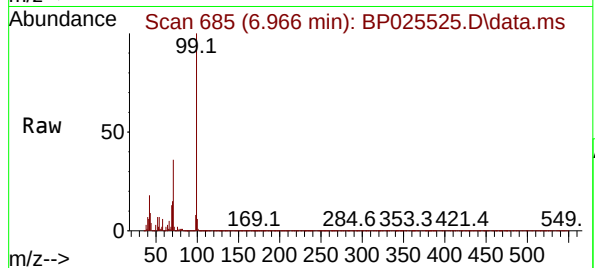




#7
Phenol-d6
Concen: 57.158 ng
RT: 6.966 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025525.D
Acq: 21 Aug 2025 03:18

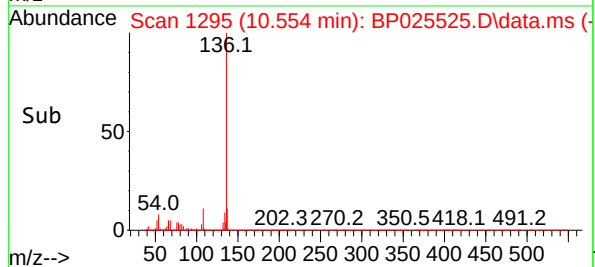
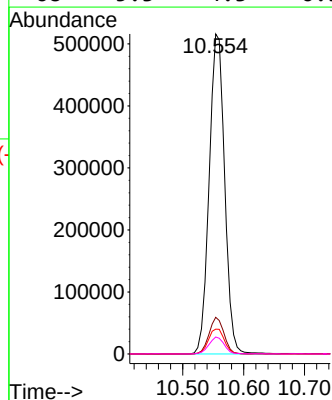
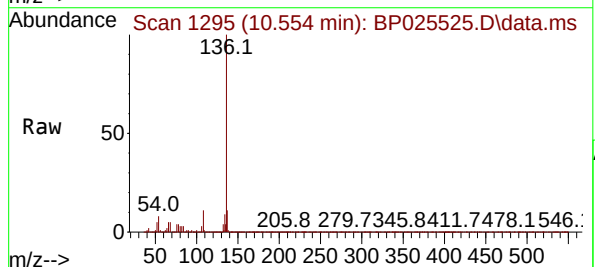
Instrument :
BNA_P
ClientSampleId :
TW-88H-S

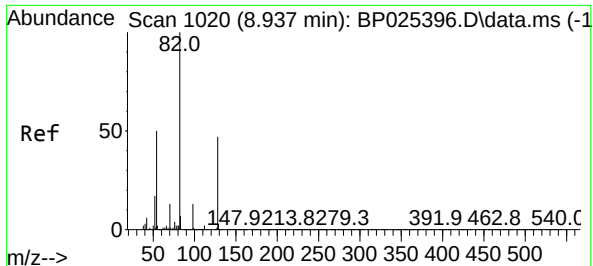
Tgt Ion: 99 Resp: 987626
Ion Ratio Lower Upper
99 100
42 18.4 13.7 20.5
71 36.1 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025525.D
Acq: 21 Aug 2025 03:18

Tgt Ion: 136 Resp: 911198
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 7.8 6.0 9.0
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 77.742 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025525.D

Acq: 21 Aug 2025 03:18

Instrument :

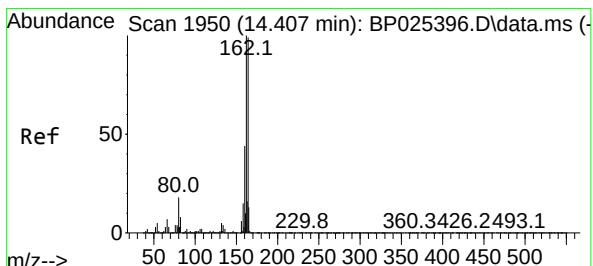
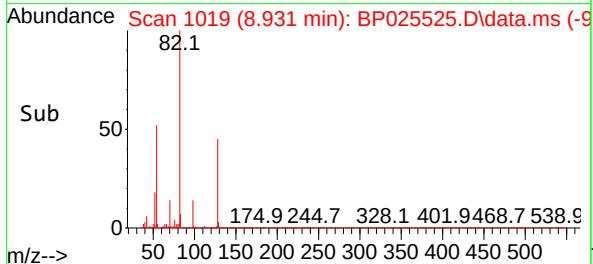
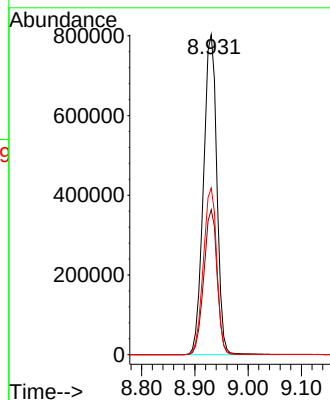
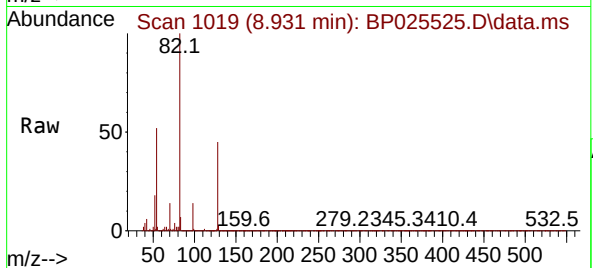
BNA_P

ClientSampleId :

TW-88H-S

Tgt Ion: 82 Resp: 1400365

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.7	56.5
54	52.1	39.8	59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.395 min Scan# 1948

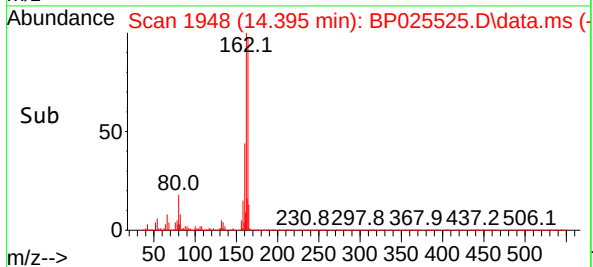
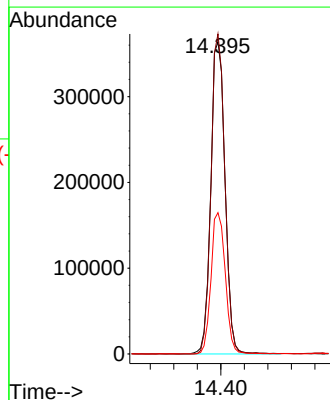
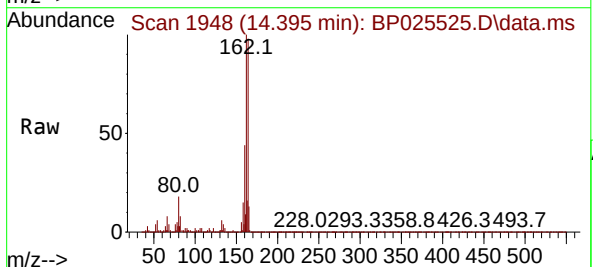
Delta R.T. -0.012 min

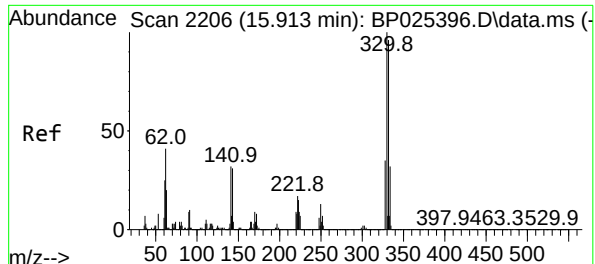
Lab File: BP025525.D

Acq: 21 Aug 2025 03:18

Tgt Ion: 164 Resp: 611112

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.0	121.6
160	45.3	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 119.760 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025525.D

Acq: 21 Aug 2025 03:18

Instrument :

BNA_P

ClientSampleId :

TW-88H-S

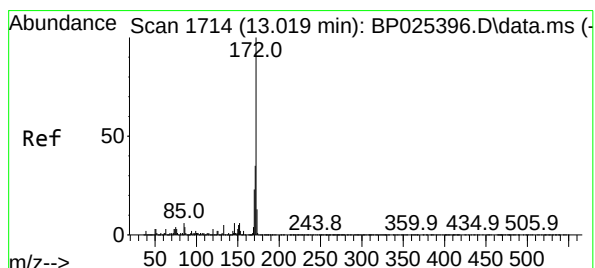
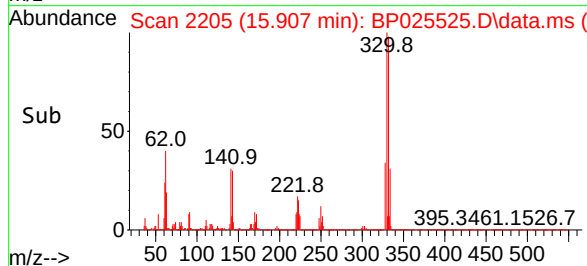
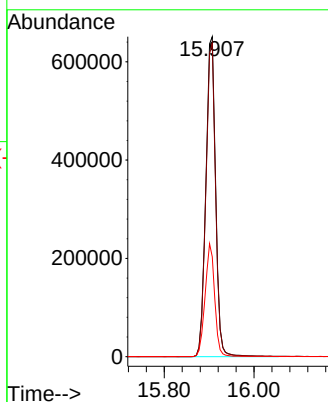
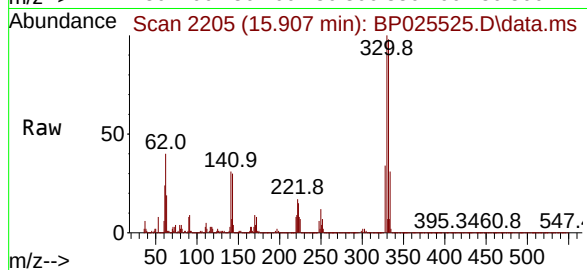
Tgt Ion:330 Resp: 985098

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

141 34.7 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 67.826 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025525.D

Acq: 21 Aug 2025 03:18

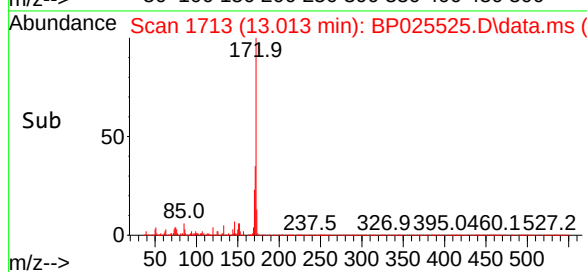
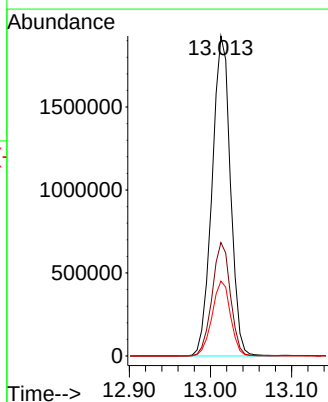
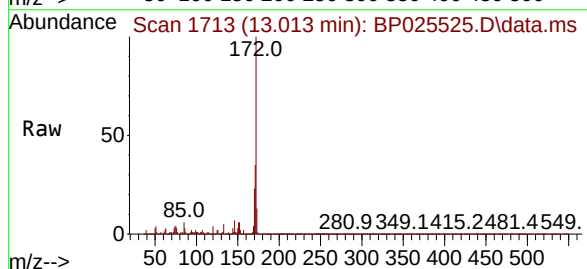
Tgt Ion:172 Resp: 3032844

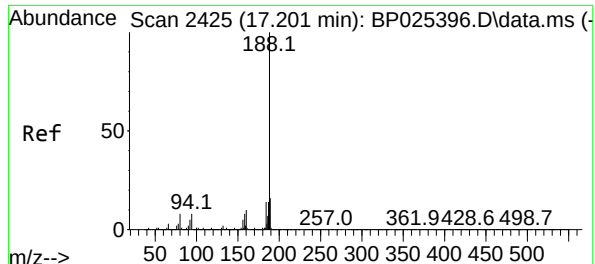
Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 23.4 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP025525.D

Acq: 21 Aug 2025 03:18

Instrument :

BNA_P

ClientSampleId :

TW-88H-S

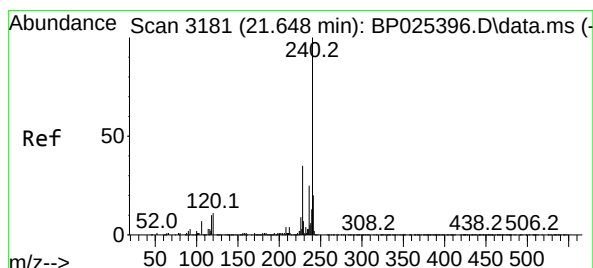
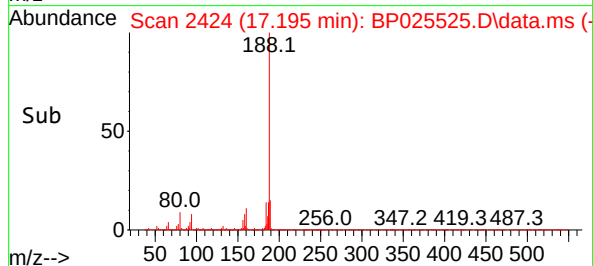
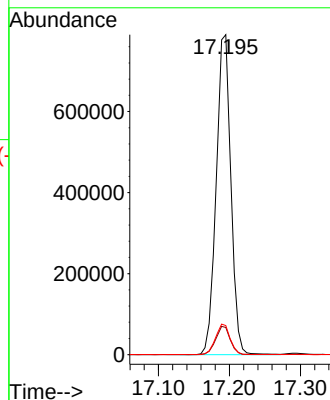
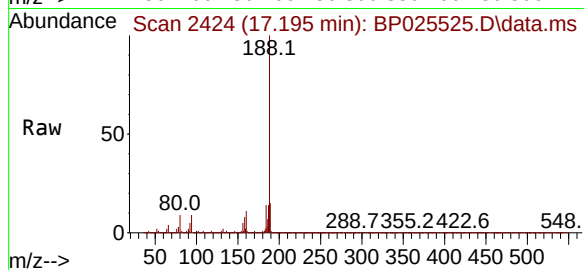
Tgt Ion:188 Resp: 1126779

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.1 6.7 10.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 3179

Delta R.T. -0.012 min

Lab File: BP025525.D

Acq: 21 Aug 2025 03:18

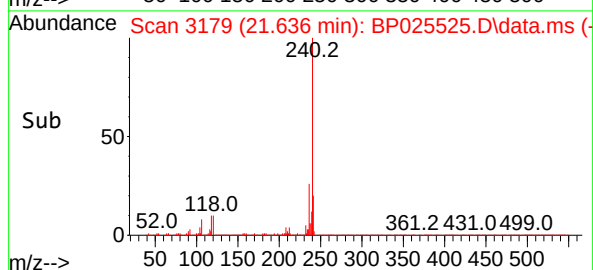
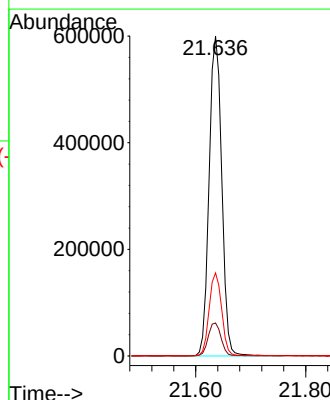
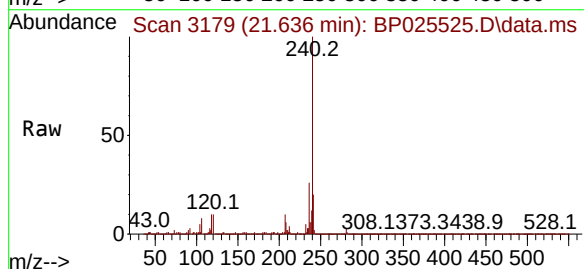
Tgt Ion:240 Resp: 954753

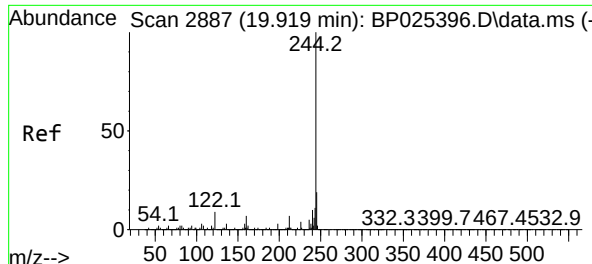
Ion Ratio Lower Upper

240 100

120 10.3 8.9 13.3

236 26.0 19.8 29.8

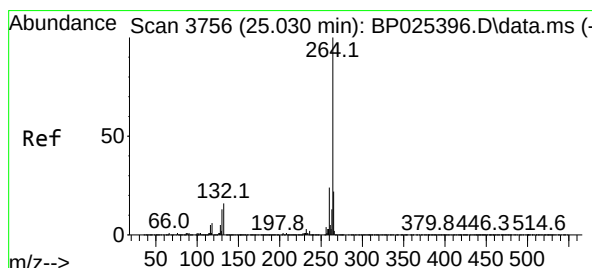
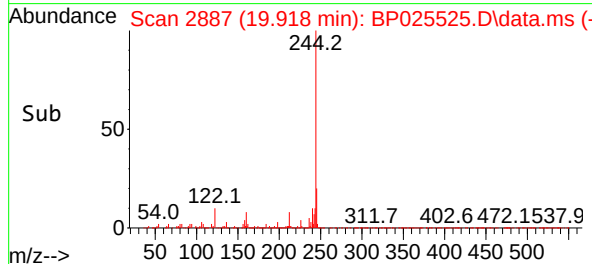
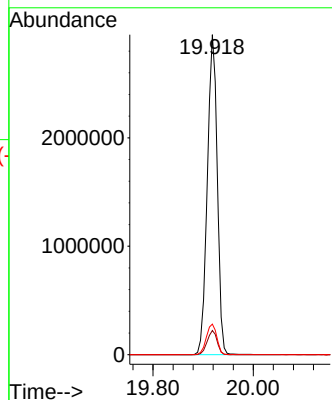
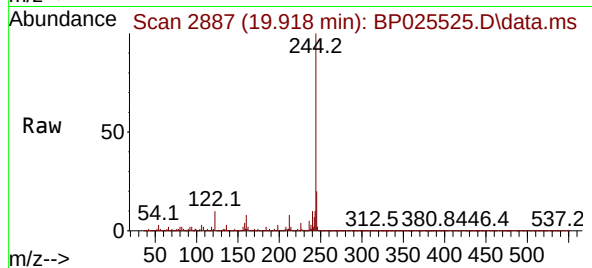




#79
 Terphenyl-d14
 Concen: 78.033 ng
 RT: 19.918 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP025525.D
 Acq: 21 Aug 2025 03:18

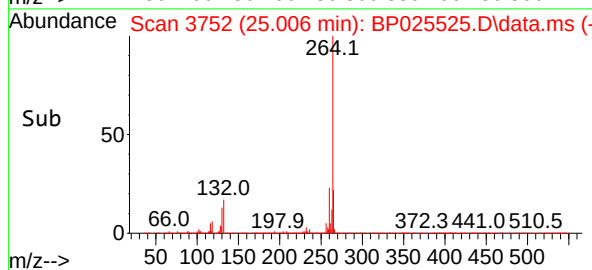
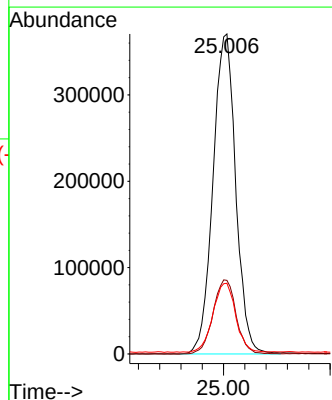
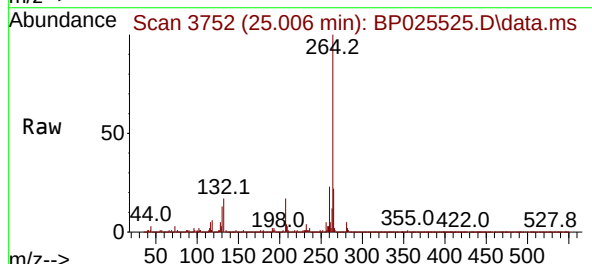
Instrument :
 BNA_P
 ClientSampleId :
 TW-88H-S

Tgt Ion:244 Resp: 4072129
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.6
 122 9.6 7.4 11.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.006 min Scan# 3752
 Delta R.T. -0.024 min
 Lab File: BP025525.D
 Acq: 21 Aug 2025 03:18

Tgt Ion:264 Resp: 1099019
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.3 28.9
 265 22.1 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-88H-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025525.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.043	13	18	35	rVB	3399777	4373107	39.16%	6.592%
2	4.949	335	342	348	rBV	280157	411508	3.68%	0.620%
3	5.407	413	420	431	rBV	2476195	3613440	32.35%	5.447%
4	6.966	675	685	701	rBV	1792001	2842464	25.45%	4.285%
5	7.784	817	824	831	rBV	827647	1324642	11.86%	1.997%
6	8.931	1011	1019	1033	rBV	2387273	4140616	37.07%	6.242%
7	10.554	1288	1295	1303	rBV	1066333	1864588	16.70%	2.811%
8	13.013	1705	1713	1725	rBV	5711740	8922432	79.89%	13.450%
9	14.395	1938	1948	1956	rBV	1579419	2696795	24.15%	4.065%
10	15.771	2176	2182	2191	rBV	486857	845985	7.57%	1.275%
11	15.901	2197	2204	2212	rBV	4928797	7443291	66.65%	11.220%
12	16.348	2276	2280	2289	rVB	127608	179683	1.61%	0.271%
13	17.195	2417	2424	2432	rBV	1945086	2779530	24.89%	4.190%
14	18.136	2578	2584	2594	rBV	959169	1432832	12.83%	2.160%
15	18.454	2633	2638	2645	rBV4	76558	152081	1.36%	0.229%
16	19.312	2780	2784	2786	rBV2	80783	113624	1.02%	0.171%
17	19.371	2790	2794	2800	rVB	432968	567409	5.08%	0.855%
18	19.460	2805	2809	2823	rVV	390265	622206	5.57%	0.938%
19	19.624	2832	2837	2842	rBV	1156917	1374247	12.30%	2.072%
20	19.742	2854	2857	2862	rVB	191927	204487	1.83%	0.308%
21	19.918	2881	2887	2899	rBV	8046396	11168430	100.00%	16.835%
22	20.501	2983	2986	2991	rVB2	243098	265077	2.37%	0.400%
23	20.595	2998	3002	3016	rBV	592619	880299	7.88%	1.327%
24	20.712	3017	3022	3027	rVB	759130	1011503	9.06%	1.525%
25	20.789	3032	3035	3038	rVV	170949	204322	1.83%	0.308%
26	21.312	3119	3124	3132	rVB2	345103	616717	5.52%	0.930%
27	21.636	3173	3179	3186	rBV2	1635947	2587954	23.17%	3.901%
28	21.895	3220	3223	3229	rVB	197247	287830	2.58%	0.434%
29	22.553	3331	3335	3341	rVB	155066	267275	2.39%	0.403%
30	23.295	3456	3461	3468	rVB	161305	309734	2.77%	0.467%
31	25.006	3743	3752	3763	rVB	971116	2835536	25.39%	4.274%

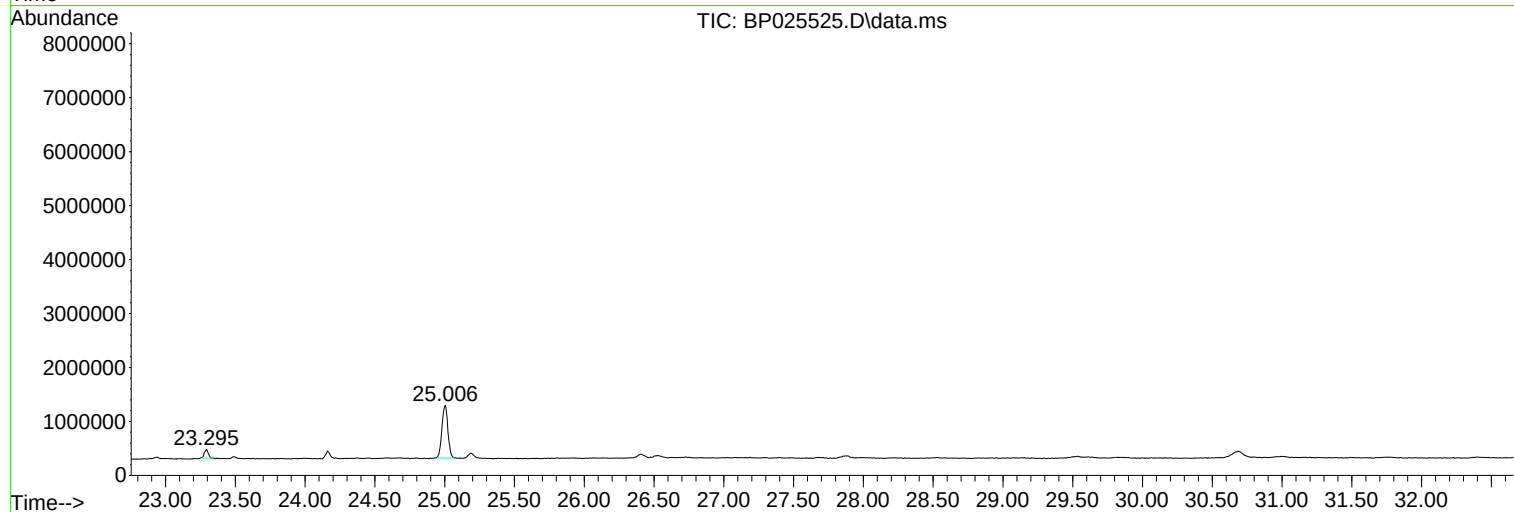
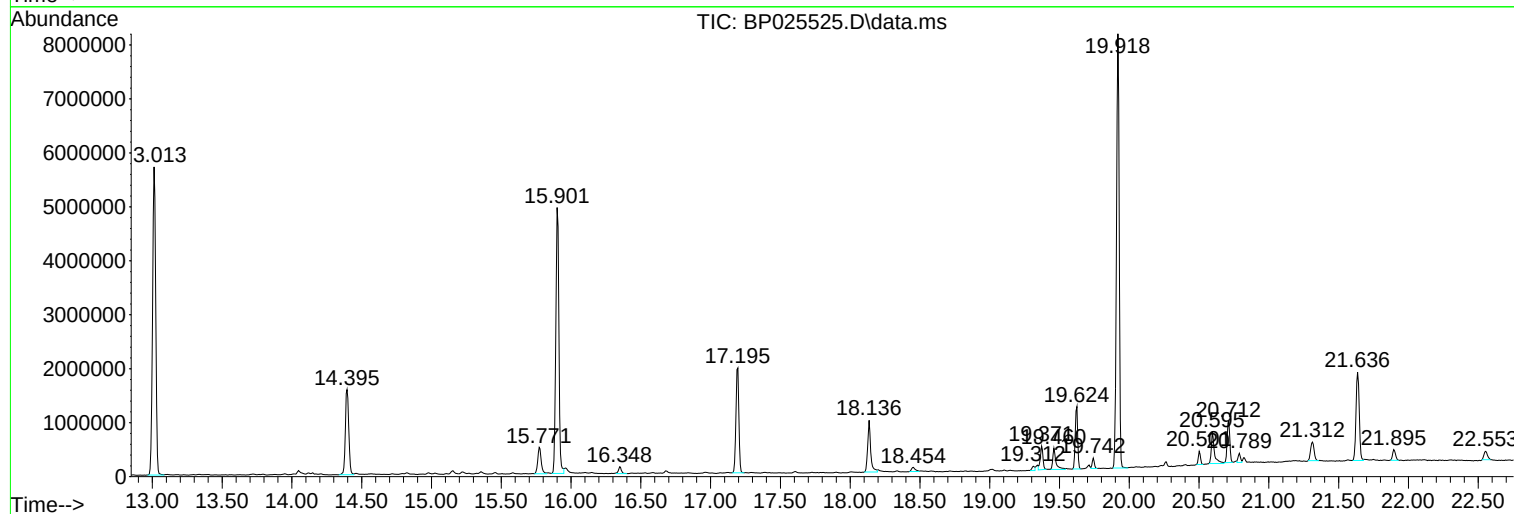
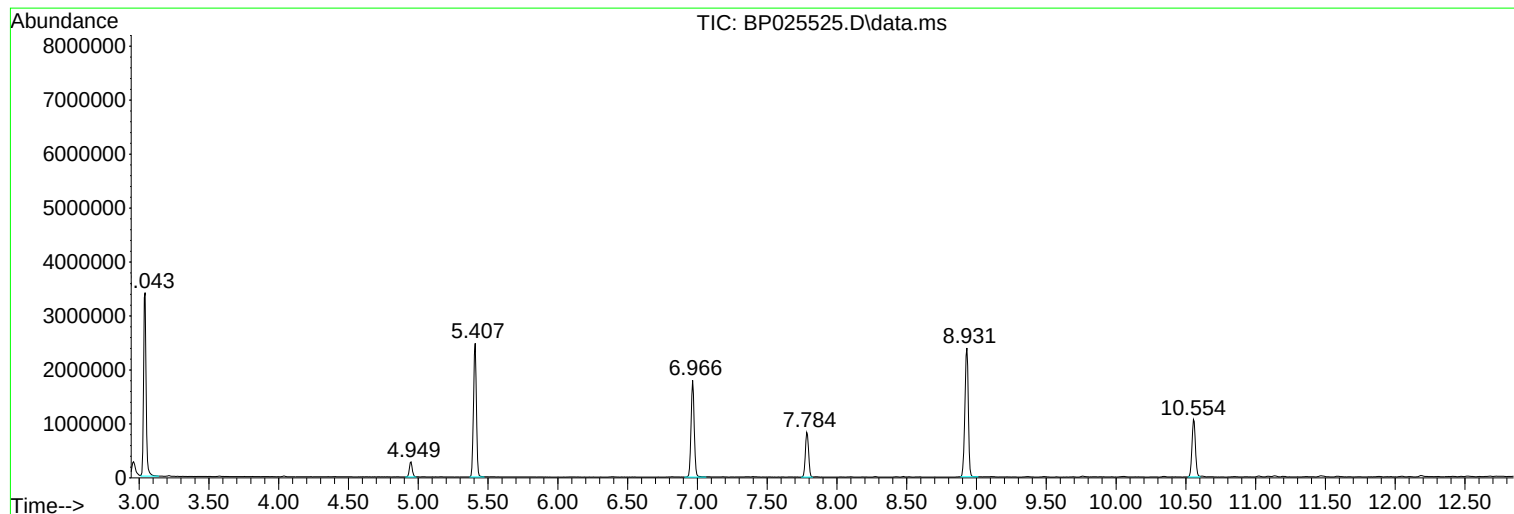
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-88H-S

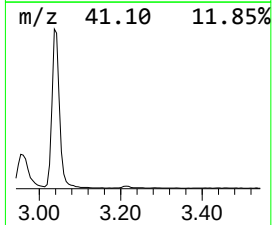
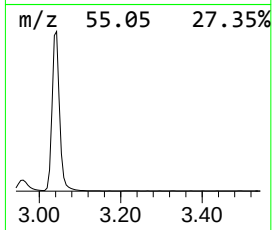
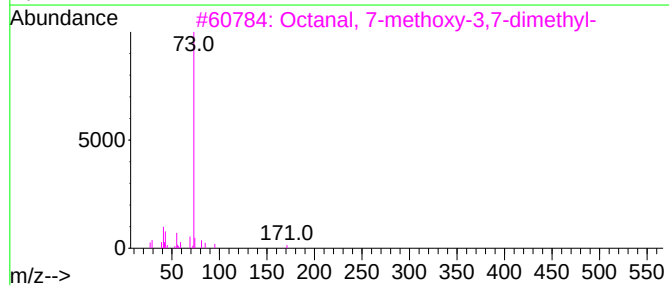
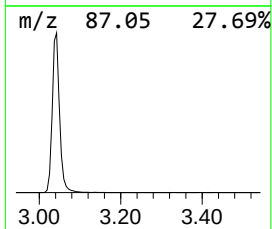
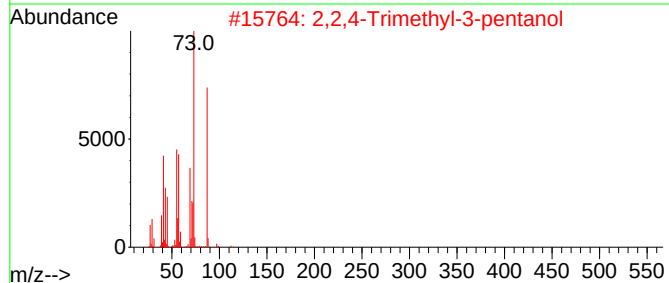
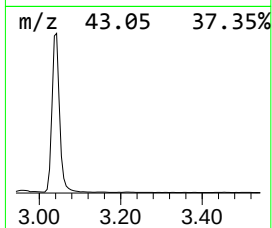
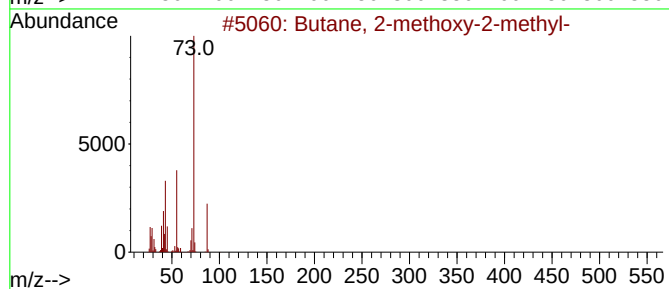
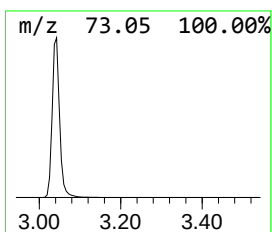
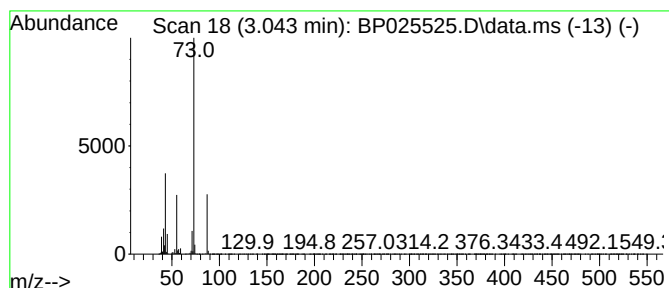
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	66.03 ng	4373110	1,4-Dichlorobenzene-d4	7.784

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

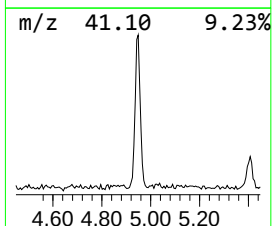
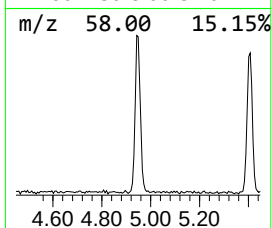
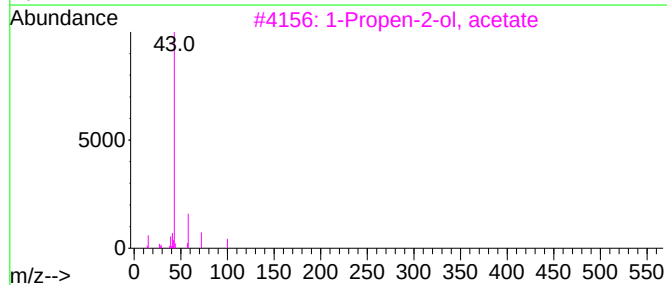
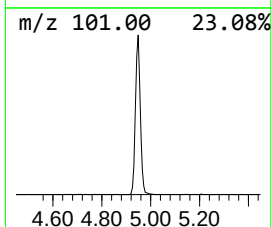
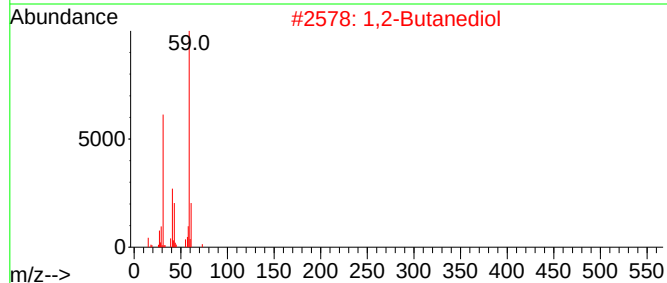
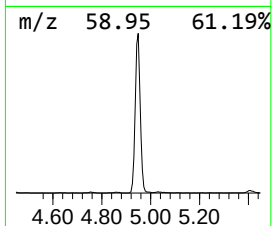
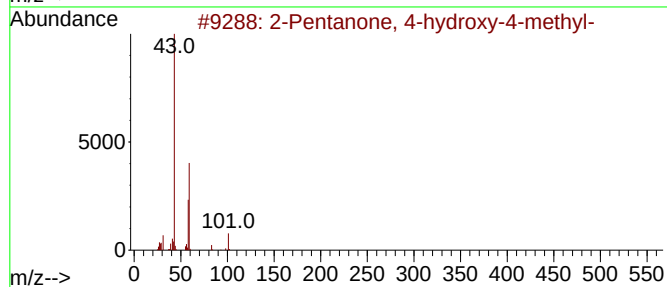
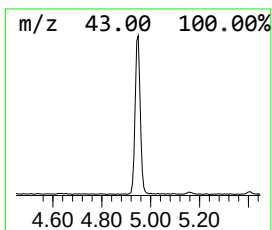
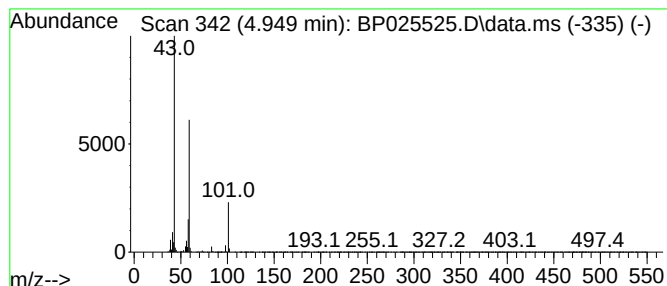
Instrument :
BNA_P
ClientSampleId :
TW-88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD			R.T.
4.949	6.21 ng	411508	1,4-Dichlorobenzene-d4			7.784
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	56
2	1,2-Butanediol		90	C4H10O2	000584-03-2	17
3	1-Propen-2-ol, acetate		100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime		101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-		101	C5H11NO	000109-02-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-88H-S

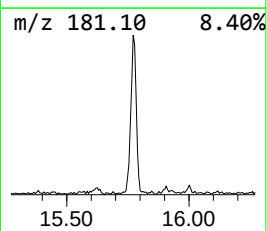
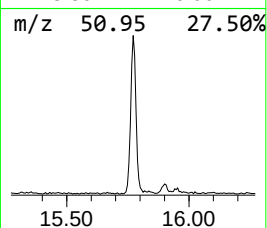
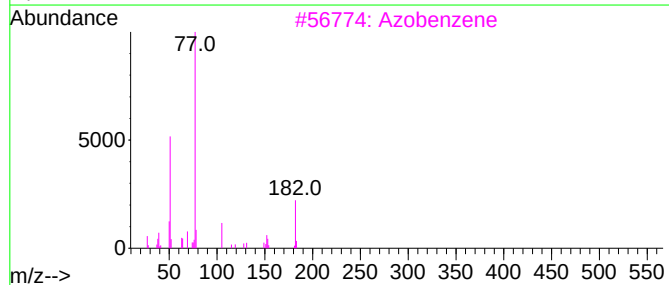
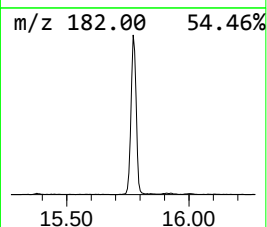
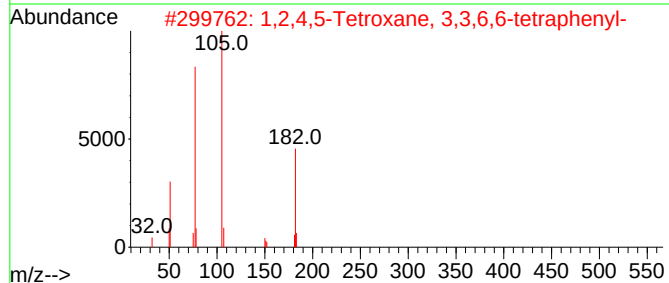
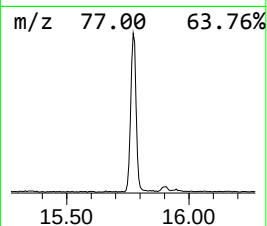
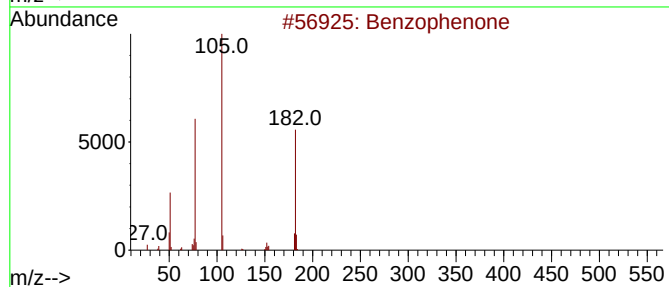
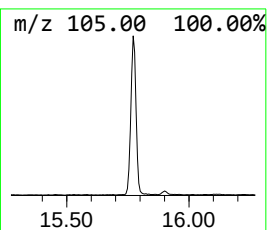
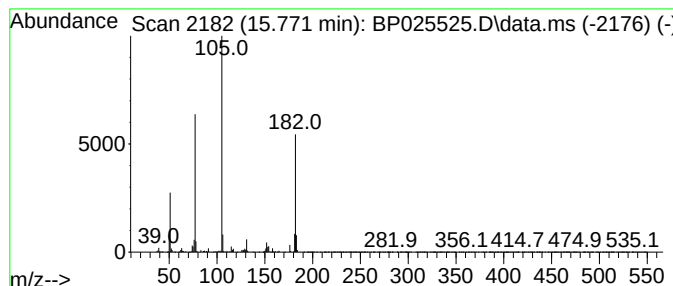
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	6.27 ng	845985	Acenaphthene-d10	14.395

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Azobenzene	182	C12H10N2	000103-33-3	45
4			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42
5			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

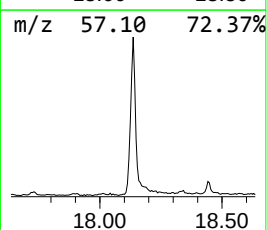
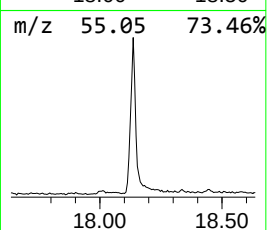
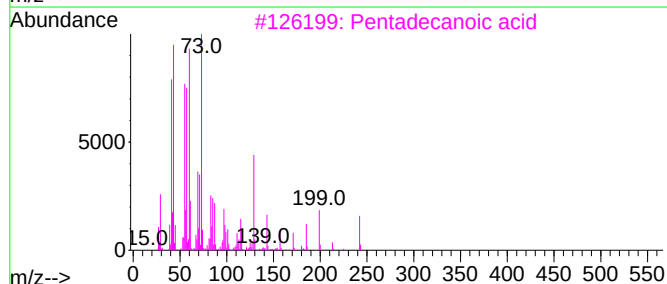
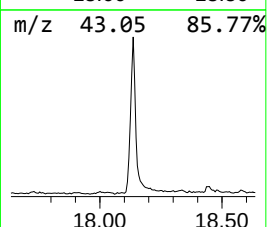
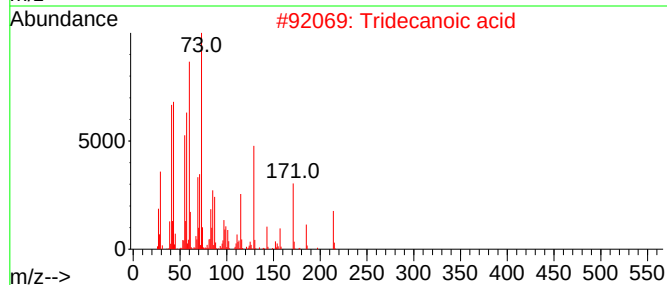
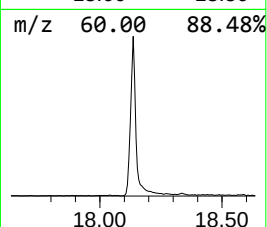
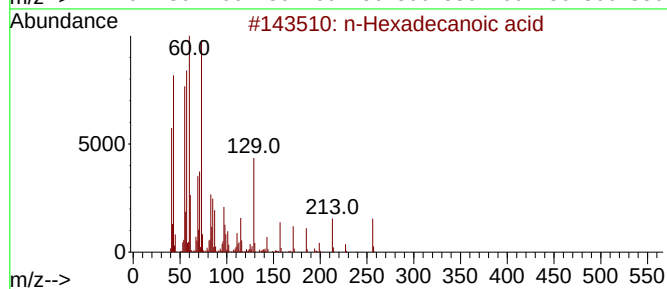
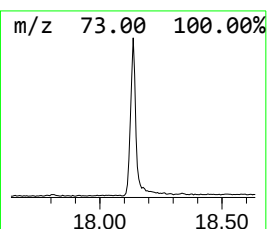
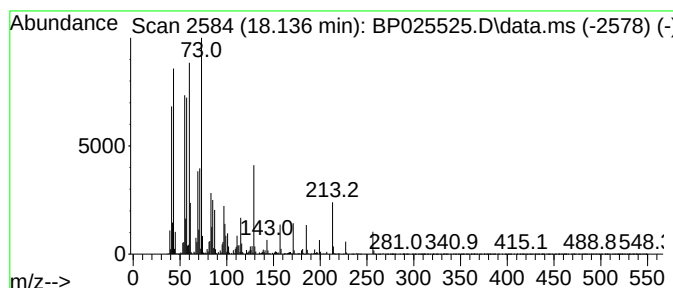
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ClientSampleId :
TW-88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD			R.T.
18.136	10.31 ng	1432830	Phenanthrene-d10			17.195
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Tridecanoic acid		214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid		242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	91
5	n-Decanoic acid		172	C10H20O2	000334-48-5	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-88H-S

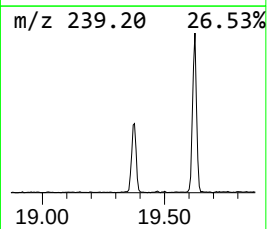
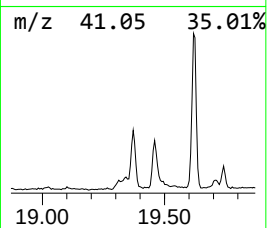
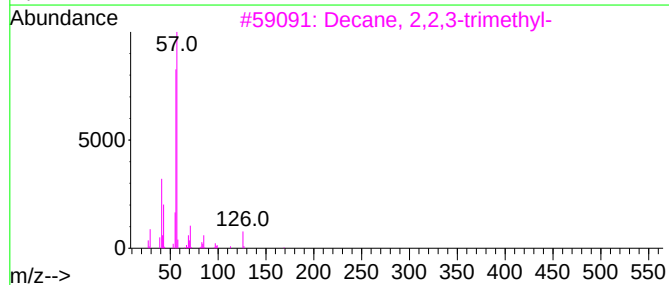
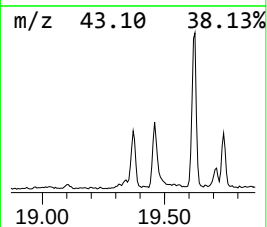
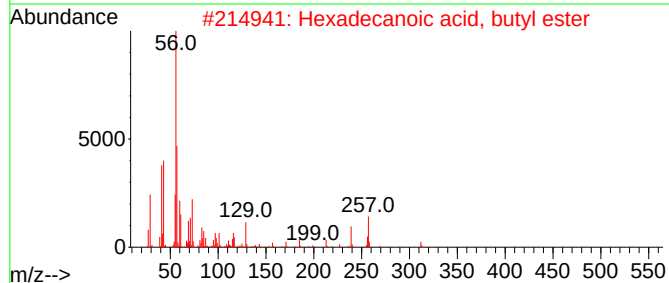
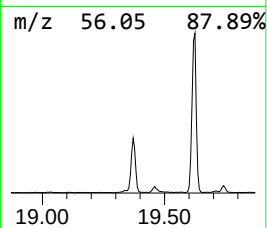
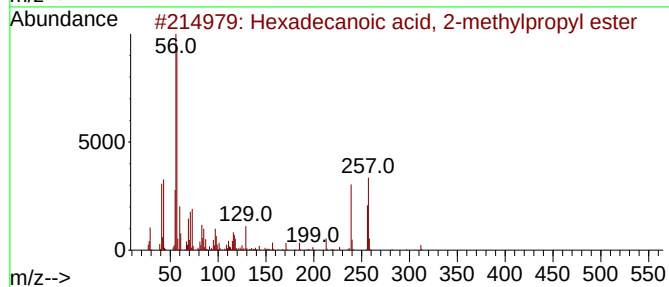
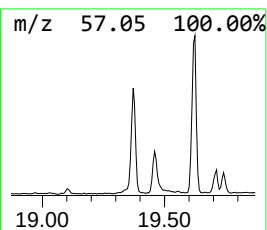
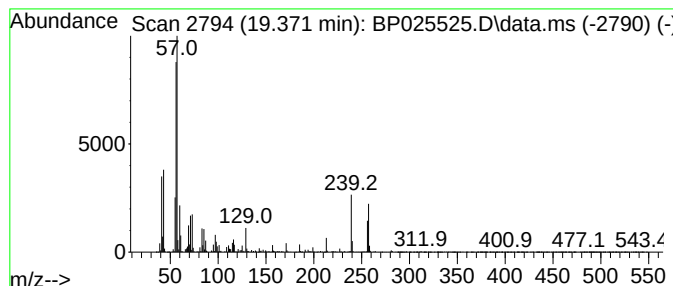
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecanoic acid, 2-methyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.371	4.08 ng	567409	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	91
2			Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	59
3			Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	38
4			Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	040482-05-1	35
5			Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-88H-S

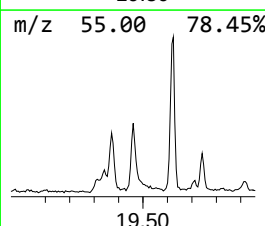
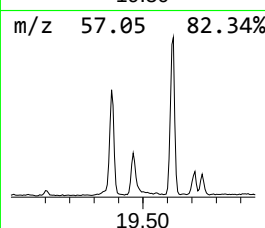
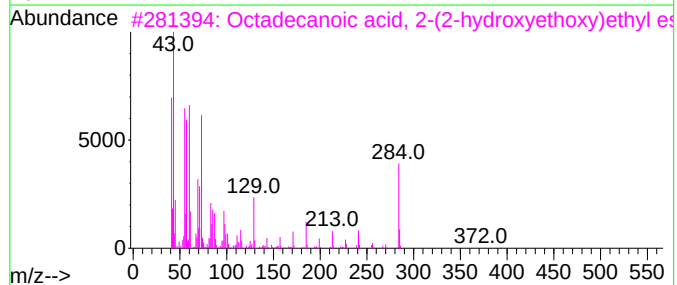
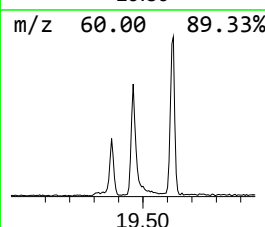
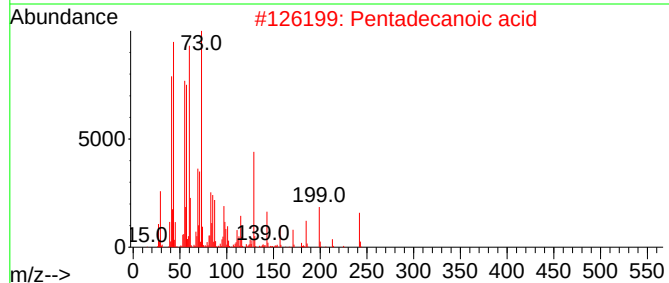
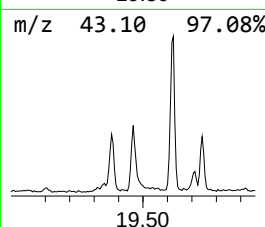
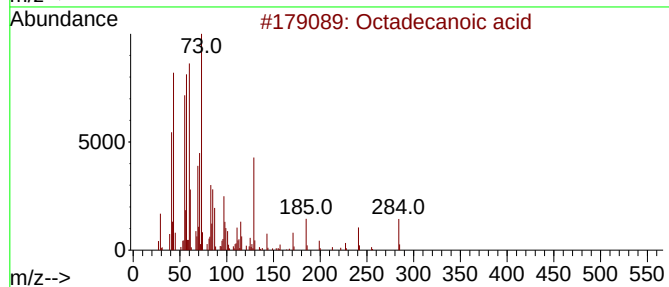
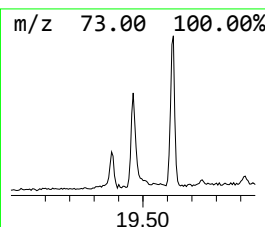
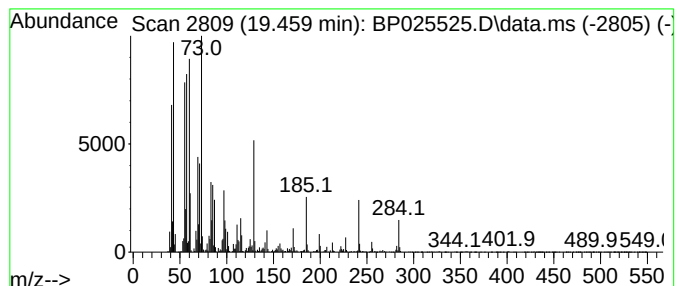
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.459	4.81 ng	622206	Chrysene-d12	21.636

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
4			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-88H-S

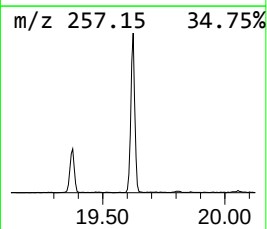
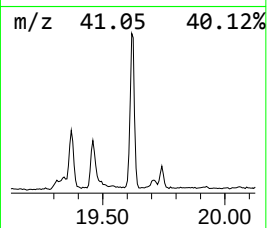
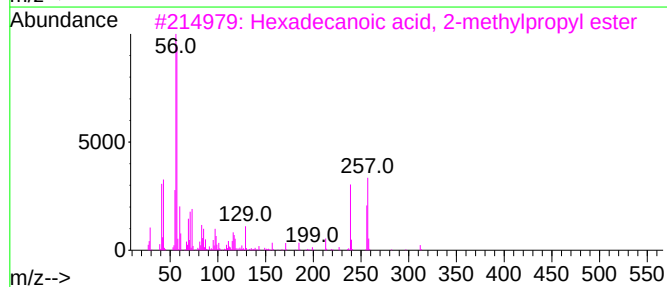
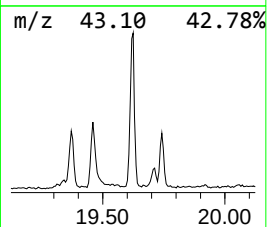
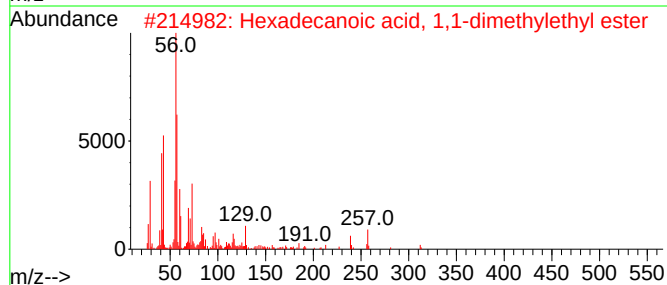
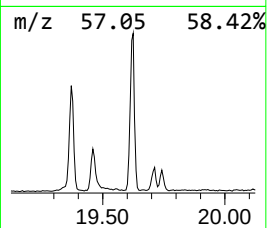
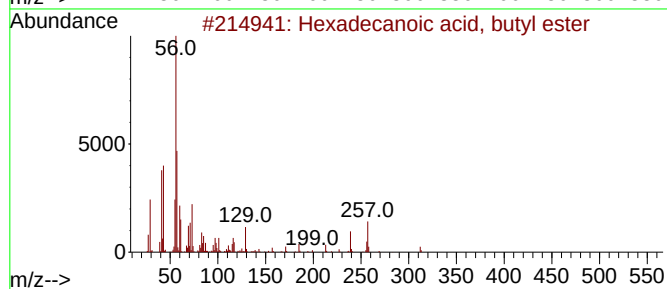
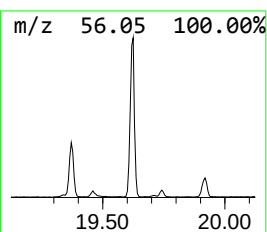
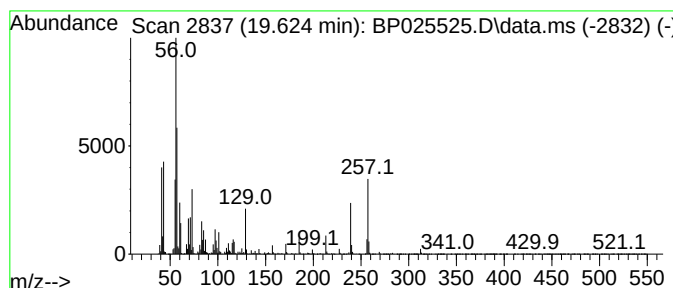
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecanoic acid, butyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.624	10.62 ng	1374250	Chrysene-d12	21.636

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	98
2			Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	96
3			Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	78
4			Nipecotic acid	129	C6H11NO2	000498-95-3	47
5			Cyclohexanol, 4-amino-, trans-	115	C6H13NO	027489-62-9	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
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Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

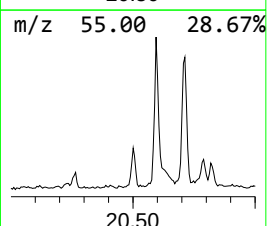
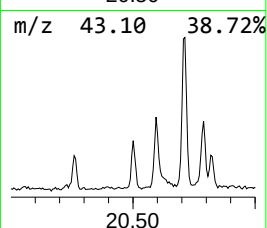
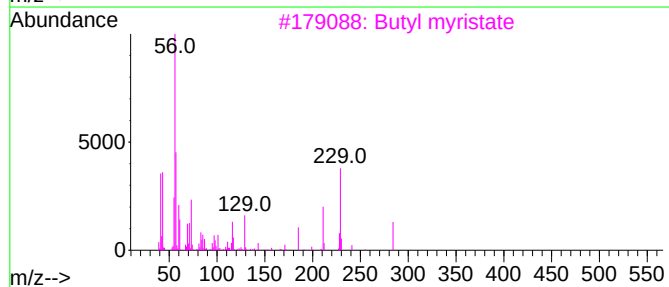
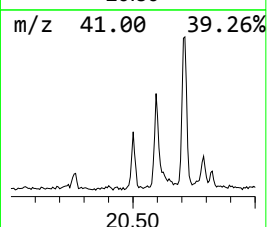
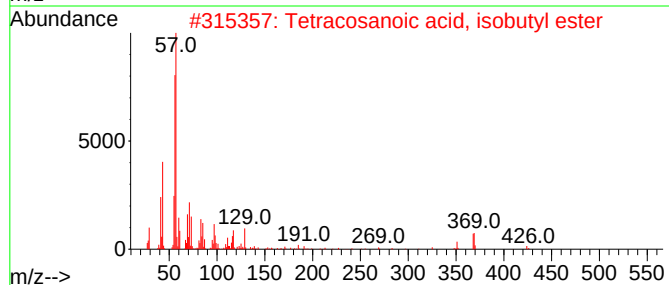
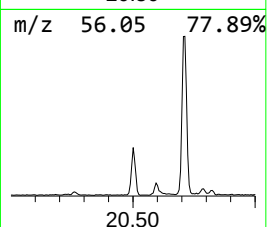
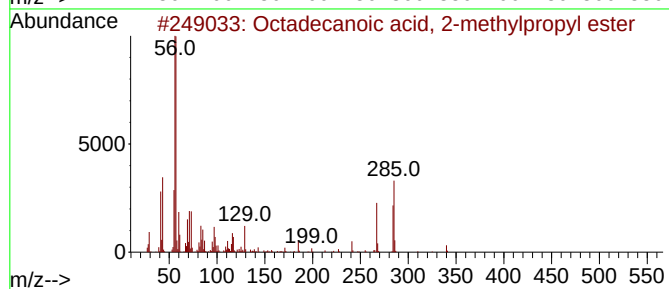
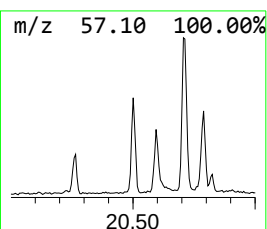
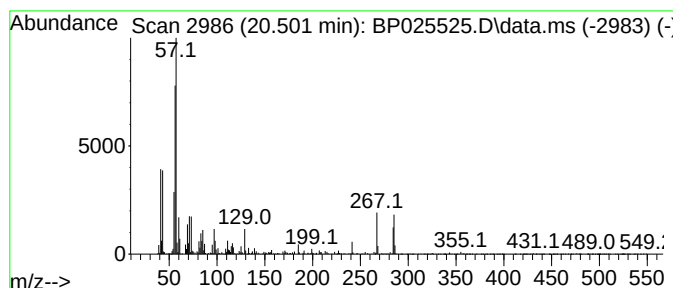
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecanoic acid, 2-methyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.501	2.05 ng	265077	Chrysene-d12	21.636	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	91
2	Tetracosanoic acid, isobutyl ester	424	C28H56O2	1010405-17-3	70
3	Butyl myristate	284	C18H36O2	000110-36-1	53
4	Tricosanoic acid, isobutyl ester	410	C27H54O2	1000405-17-2	53
5	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
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ALS Vial : 15 Sample Multiplier: 1

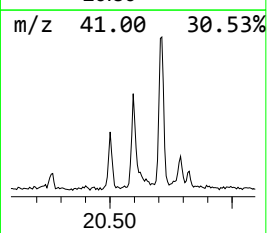
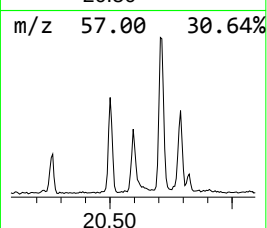
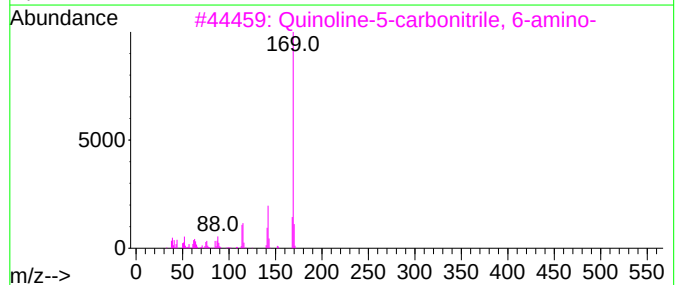
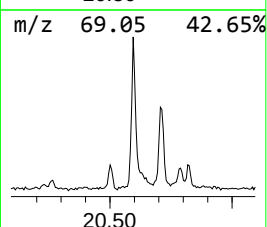
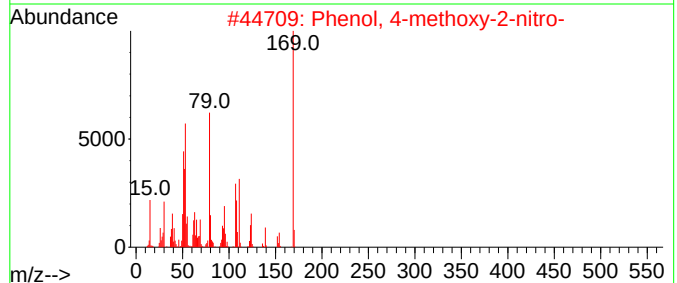
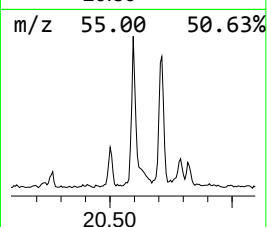
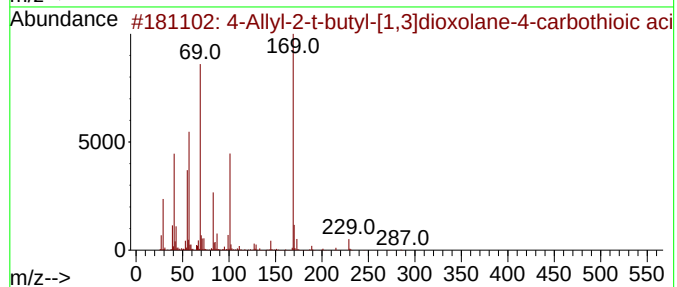
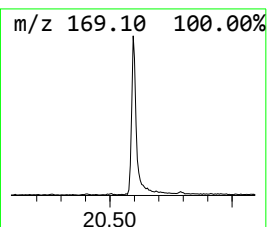
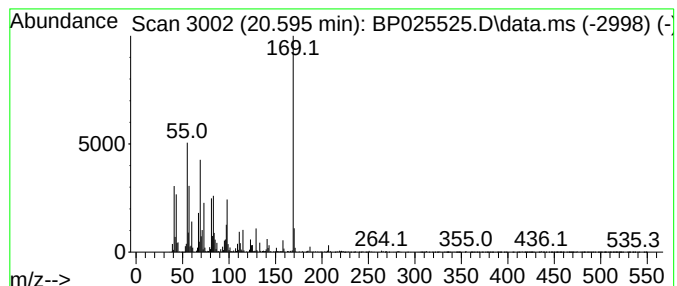
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown20.595 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.595	6.80 ng	880299	Chrysene-d12	21.636	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Allyl-2-t-butyl-[1,3]dioxolane...	286	C15H26O3S	098041-27-1	38
2	Phenol, 4-methoxy-2-nitro-	169	C7H7NO4	001568-70-3	38
3	Quinoline-5-carbonitrile, 6-amino-	169	C10H7N3	1000317-01-9	38
4	Fumaric acid, 4-heptyl pentyl ester	284	C16H28O4	1000348-51-4	38
5	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
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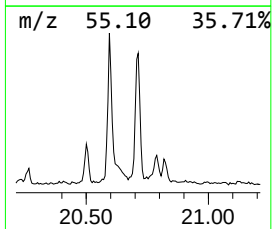
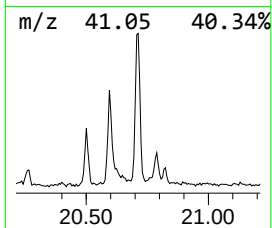
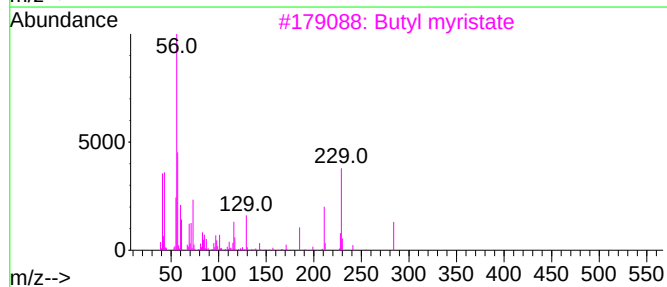
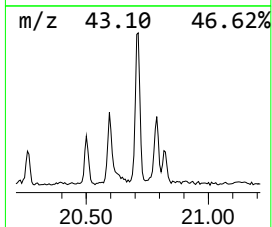
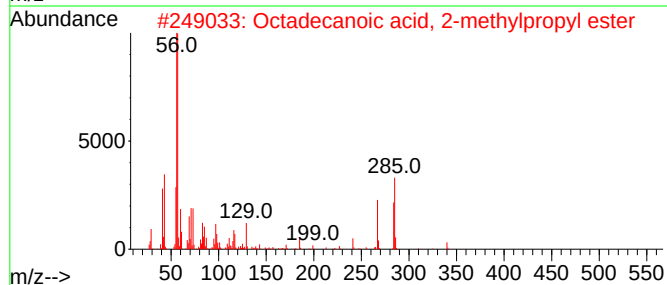
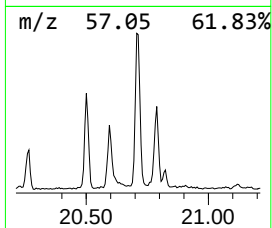
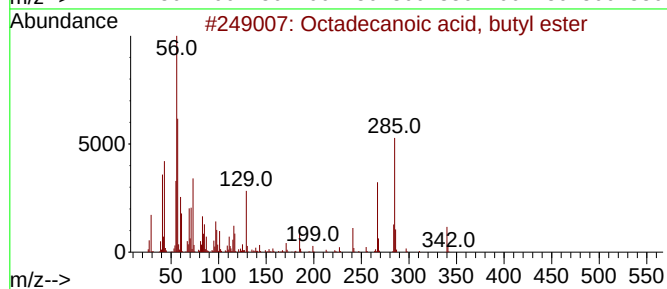
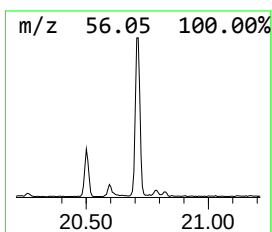
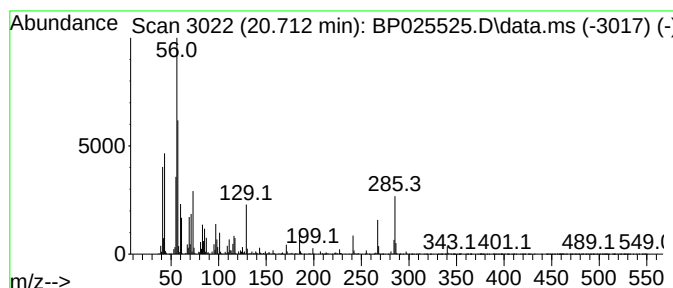
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octadecanoic acid, butyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.712	7.82 ng	1011500	Chrysene-d12	21.636

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	90
2		Octadecanoic acid, 2-methylpropyl...	340	C22H44O2	000646-13-9	87
3		Butyl myristate	284	C18H36O2	000110-36-1	53
4		Cyclopropane, propyl-	84	C6H12	002415-72-7	30
5		Cyclohexane, (1,1-dimethylethyl)-	140	C10H20	003178-22-1	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-88H-S

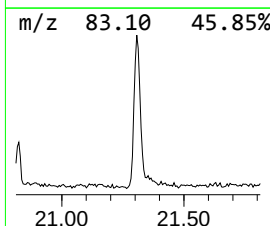
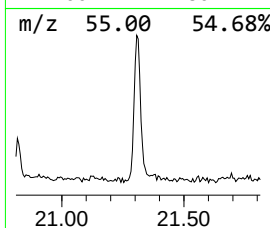
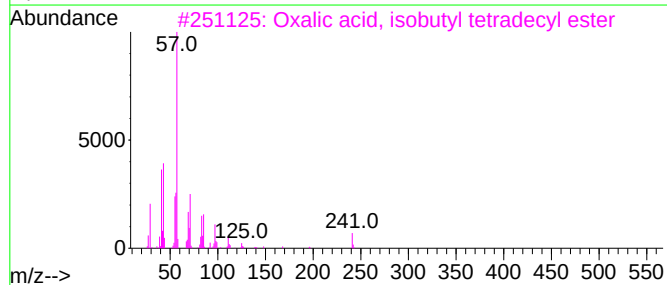
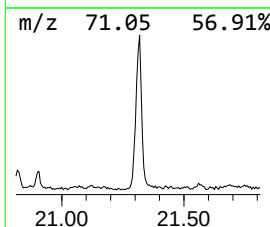
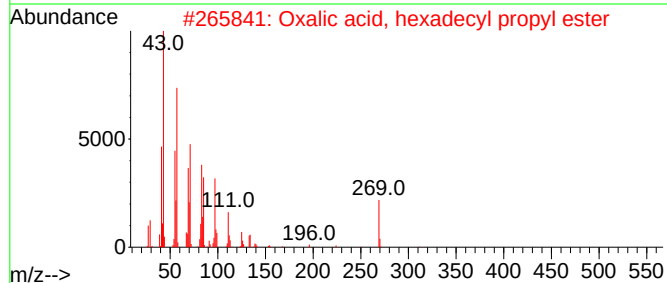
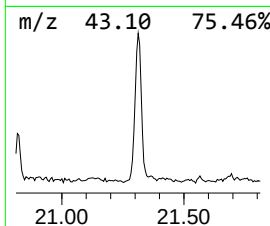
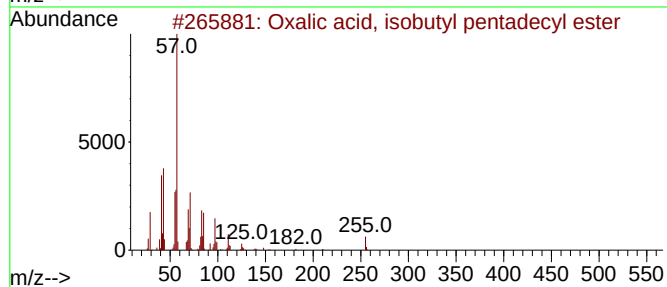
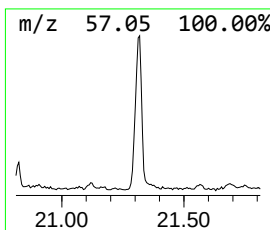
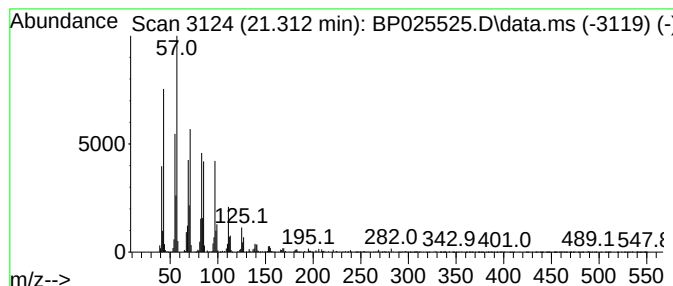
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Oxalic acid, isobutyl penta... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.312	4.77 ng	616717	Chrysene-d12	21.636

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	91
2			Oxalic acid, hexadecyl propyl ester	356	C21H40O4	1000309-26-9	91
3			Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	91
4			Oxalic acid, octadecyl propyl ester	384	C23H44O4	1000309-27-0	91
5			Henicos-1-ene	294	C21H42	001599-68-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

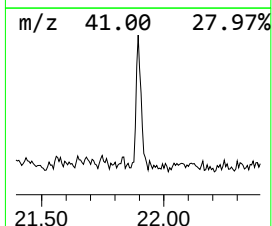
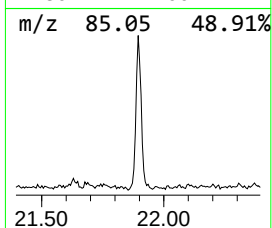
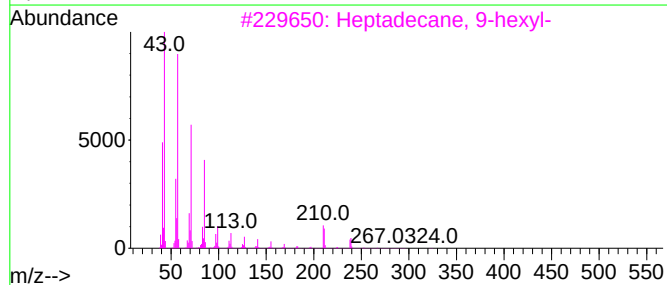
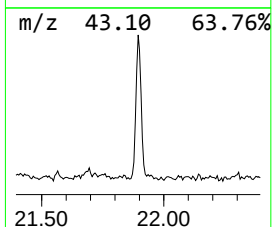
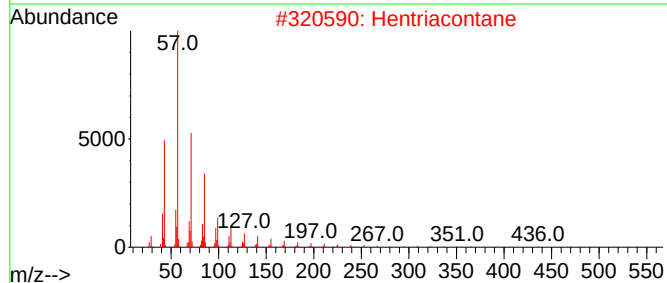
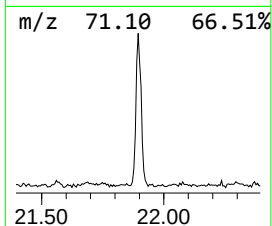
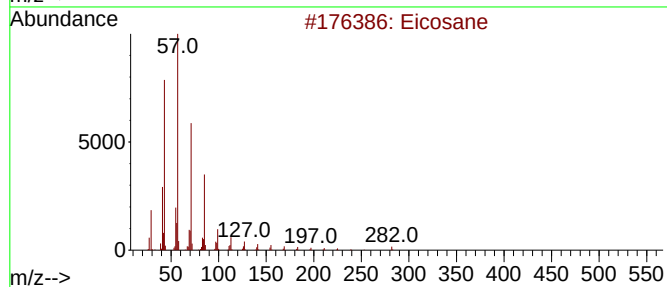
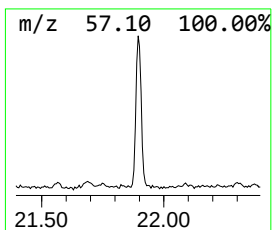
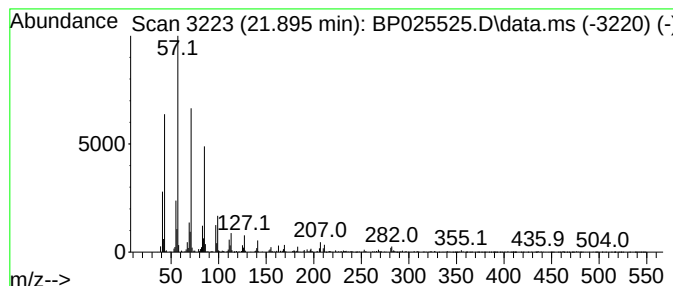
Instrument :
BNA_P
ClientSampleId :
TW-88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.895	2.22 ng	287830	Chrysene-d12	21.636	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Hentriacontane	437	C31H64	000630-04-6	94
3	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	90
4	9-Methylheneicosane	310	C22H46	070475-51-3	90
5	11-Methyltricosane	338	C24H50	027538-41-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

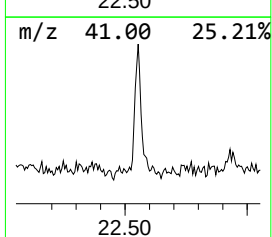
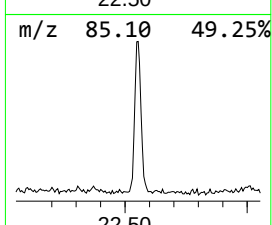
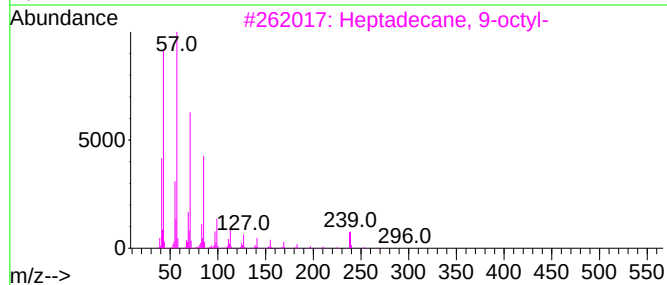
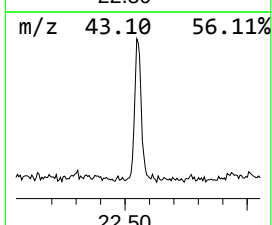
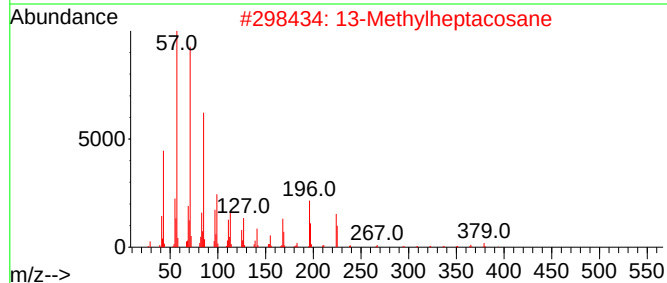
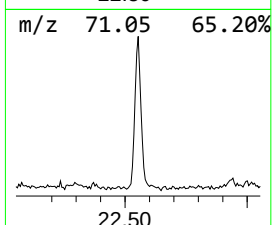
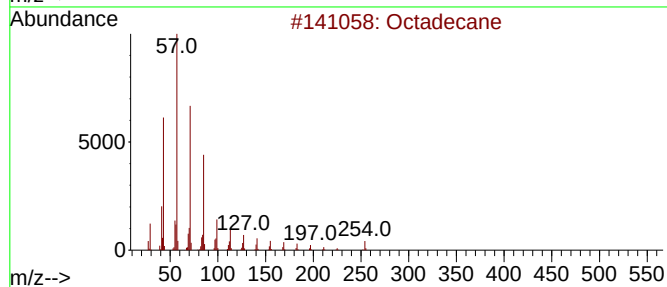
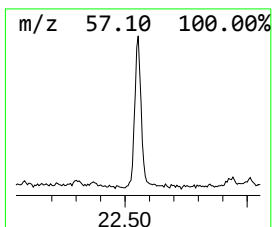
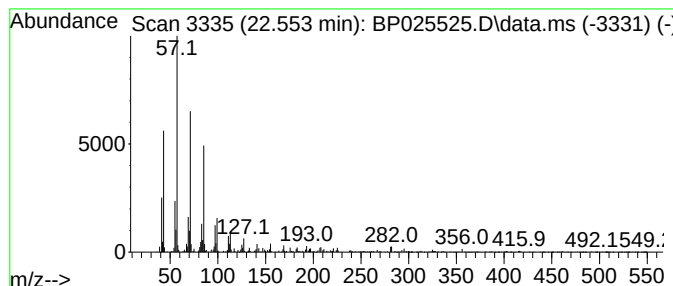
Instrument :
BNA_P
ClientSampleId :
TW-88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
22.554	2.07 ng	267275	Chrysene-d12	21.636	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	94
2	13-Methylheptacosane	394	C28H58	015689-72-2	93
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
4	Eicosane	282	C20H42	000112-95-8	93
5	11-Methyltricosane	338	C24H50	027538-41-6	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

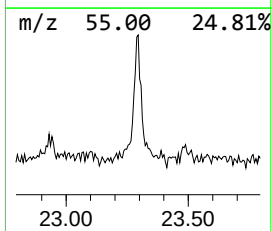
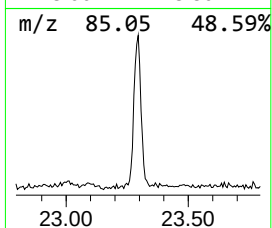
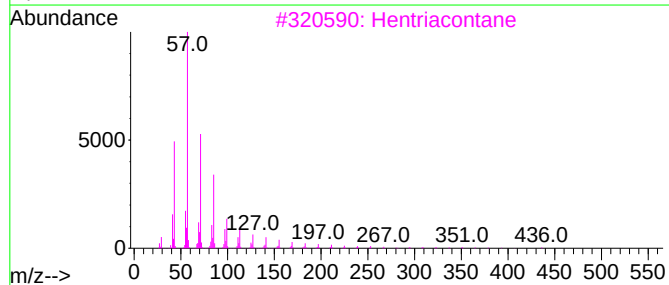
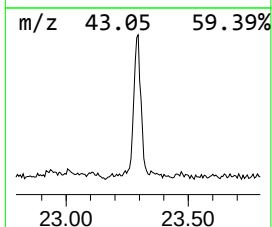
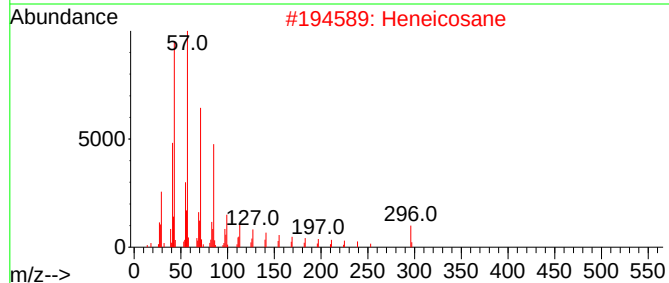
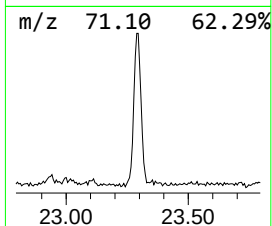
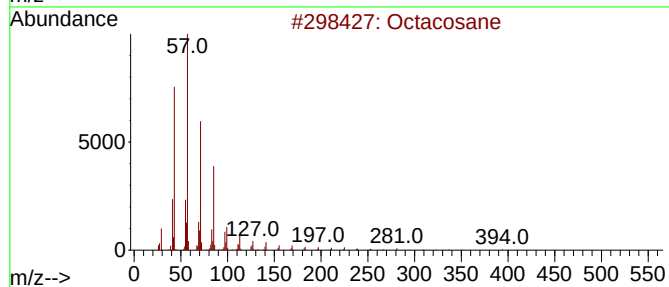
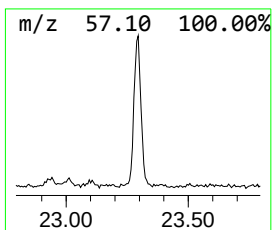
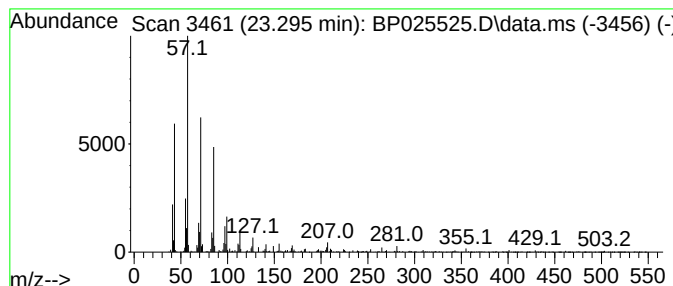
Instrument :
BNA_P
ClientSampleId :
TW-88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
23.295	2.39 ng	309734	Chrysene-d12		21.636	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octacosane		394	C28H58	000630-02-4	96
2	Heneicosane		296	C21H44	000629-94-7	91
3	Hentriacontane		437	C31H64	000630-04-6	91
4	Hexacosane		366	C26H54	000630-01-3	90
5	Docosane		310	C22H46	000629-97-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025525.D
Acq On : 21 Aug 2025 03:18
Operator : CG/JU
Sample : Q2815-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.043	66.0	ng	4373110	1	7.784	1324640	20.0
2-Pentanone, 4-...	4.949	6.2	ng	411508	1	7.784	1324640	20.0
Benzophenone	15.772	6.3	ng	845985	3	14.395	2696800	20.0
n-Hexadecanoic ...	18.136	10.3	ng	1432830	4	17.195	2779530	20.0
Hexadecanoic ac...	19.371	4.1	ng	567409	4	17.195	2779530	20.0
Octadecanoic acid	19.459	4.8	ng	622206	5	21.636	2587950	20.0
Hexadecanoic ac...	19.624	10.6	ng	1374250	5	21.636	2587950	20.0
Octadecanoic ac...	20.501	2.0	ng	265077	5	21.636	2587950	20.0
unknown20.595	20.595	6.8	ng	880299	5	21.636	2587950	20.0
Octadecanoic ac...	20.712	7.8	ng	1011500	5	21.636	2587950	20.0
Oxalic acid, is...	21.312	4.8	ng	616717	5	21.636	2587950	20.0
Eicosane	21.895	2.2	ng	287830	5	21.636	2587950	20.0
Octadecane	22.554	2.1	ng	267275	5	21.636	2587950	20.0
Octacosane	23.295	2.4	ng	309734	5	21.636	2587950	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-11	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143514.D	1	08/12/25 11:39	08/21/25 05:47	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	3.70	J	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-11	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143514.D	1	08/12/25 11:39	08/21/25 05:47	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-11	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143514.D	1	08/12/25 11:39	08/21/25 05:47	PB169230

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

SURROGATES

367-12-4	2-Fluorophenol	67.0		19 - 119	45%	SPK: 150
13127-88-3	Phenol-d6	59.8		10 - 130	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.8		44 - 120	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.4		44 - 119	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.4		43 - 140	45%	SPK: 150
1718-51-0	Terphenyl-d14	69.4		50 - 134	69%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	128000	6.928
1146-65-2	Naphthalene-d8	486000	8.204
15067-26-2	Acenaphthene-d10	259000	9.963
1517-22-2	Phenanthrene-d10	383000	11.451
1719-03-5	Chrysene-d12	215000	14.092
1520-96-3	Perylene-d12	273000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	93.3	J	2.27	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	10.8	AB	5.16	ug/L
000119-61-9	Benzophenone	8.60	J	10.7	ug/L
000111-06-8	Hexadecanoic acid, butyl ester	3.80	J	12.9	ug/L
005454-48-8	Bromoacetic acid, hexadecyl ester	2.90	J	14.0	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-11	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143514.D	1	08/12/25 11:39	08/21/25 05:47	PB169230

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143514.D
Acq On : 21 Aug 2025 05:47
Operator : RC/JU
Sample : Q2815-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-W

Quant Time: Aug 21 07:07:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

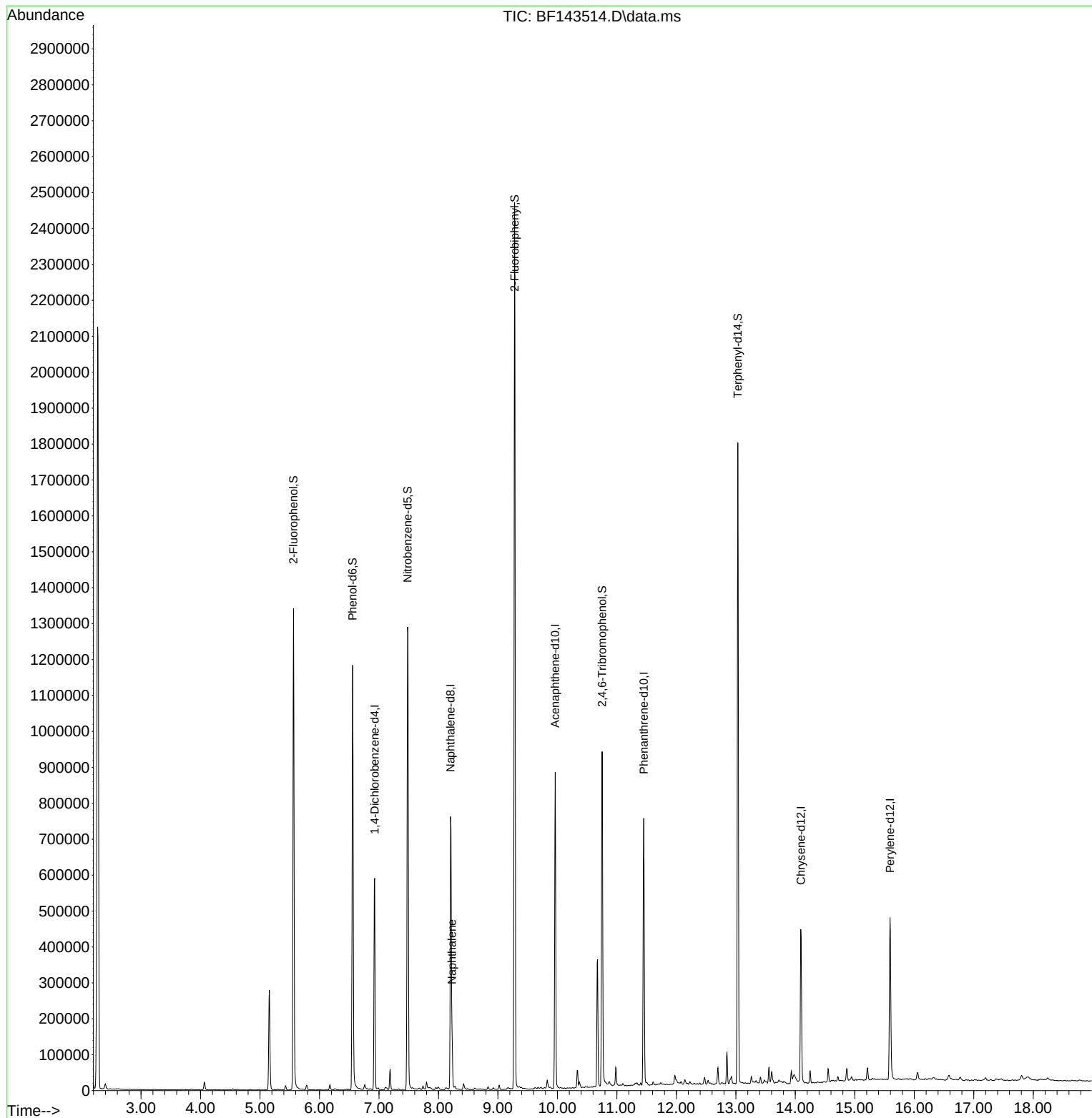
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	127726	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	485532	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	258859	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	382887	20.000	ng	0.00
76) Chrysene-d12	14.092	240	214981	20.000	ng	-0.01
86) Perylene-d12	15.592	264	273080	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	489925	66.978	ng	0.00
7) Phenol-d6	6.557	99	539974	59.801	ng	-0.02
23) Nitrobenzene-d5	7.481	82	605589	72.784	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	162433	67.411	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	1072072	68.446	ng	0.00
79) Terphenyl-d14	13.033	244	854665	69.375	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.228	128	86571	3.714	ng	99

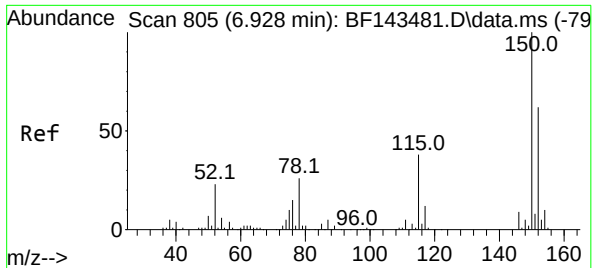
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143514.D
Acq On : 21 Aug 2025 05:47
Operator : RC/JU
Sample : Q2815-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-W

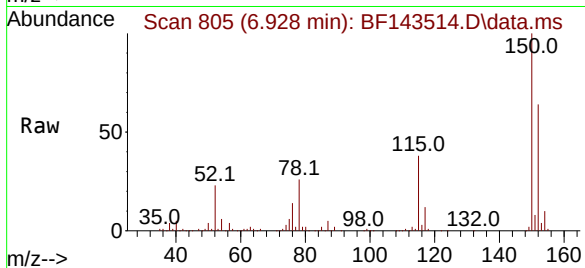
Quant Time: Aug 21 07:07:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



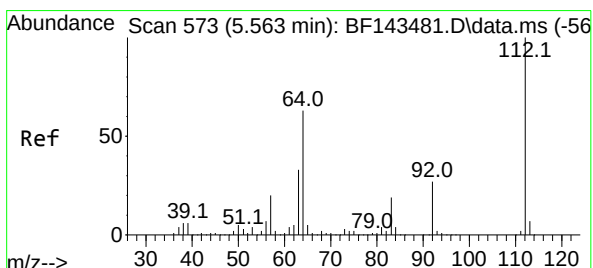
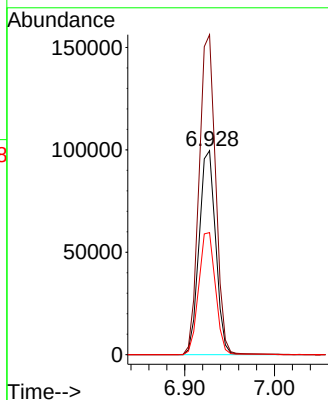
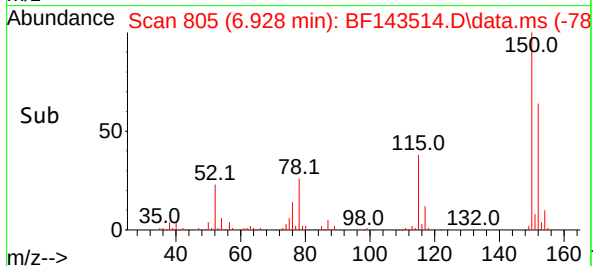


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

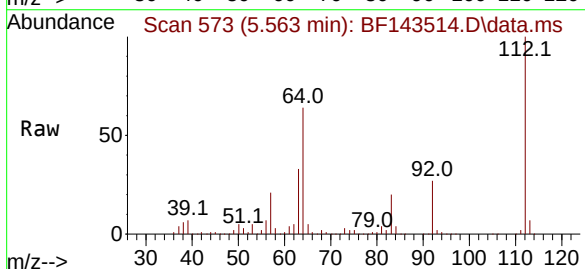
Instrument :
BNA_F
ClientSampleId :
TW-22M-W



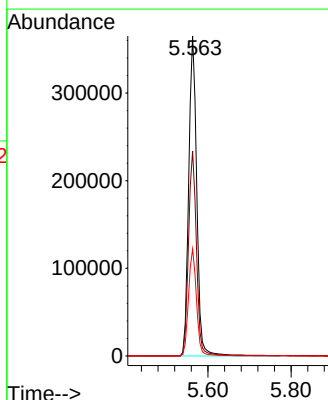
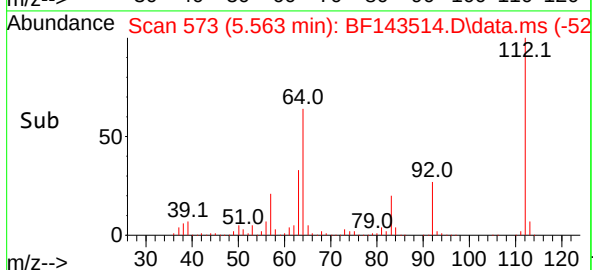
Tgt Ion:152 Resp: 127726
Ion Ratio Lower Upper
152 100
150 156.9 128.9 193.3
115 59.8 49.2 73.8

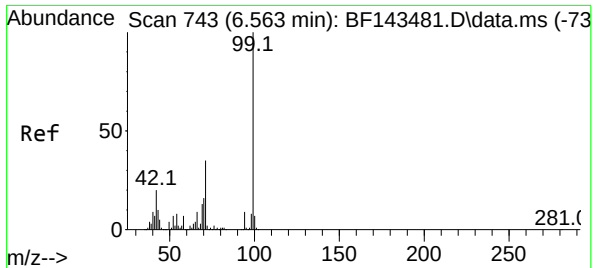


#5
2-Fluorophenol
Concen: 66.978 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47



Tgt Ion:112 Resp: 489925
Ion Ratio Lower Upper
112 100
64 64.1 50.4 75.6
63 33.4 26.4 39.6

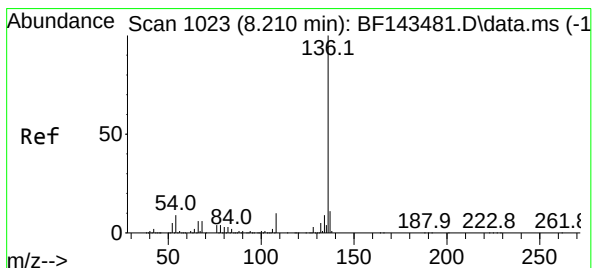
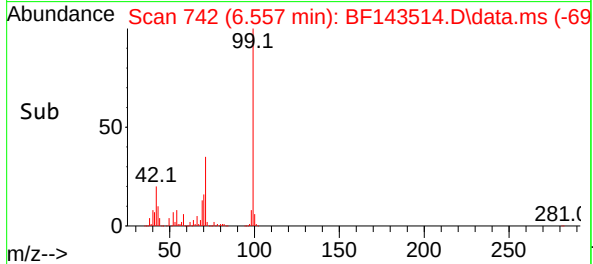
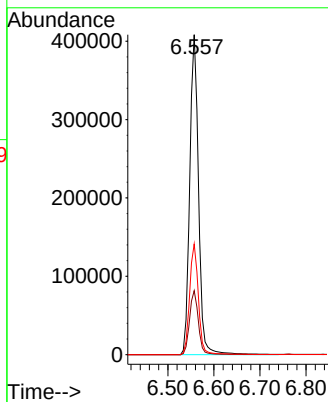
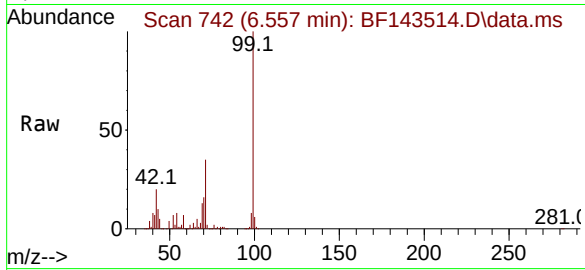




#7
Phenol-d6
Concen: 59.801 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

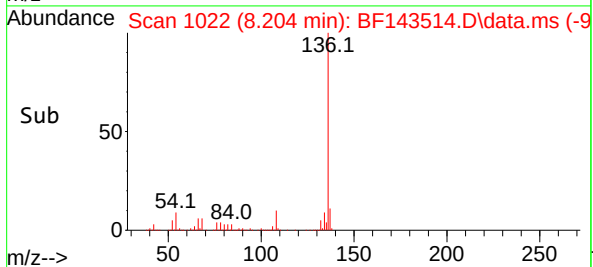
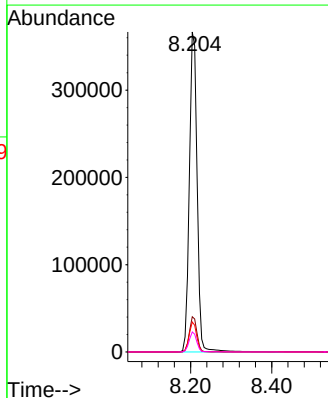
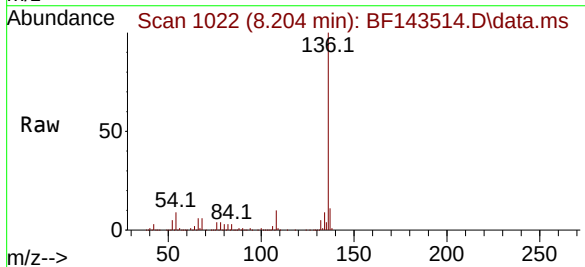
Instrument :
BNA_F
ClientSampleId :
TW-22M-W

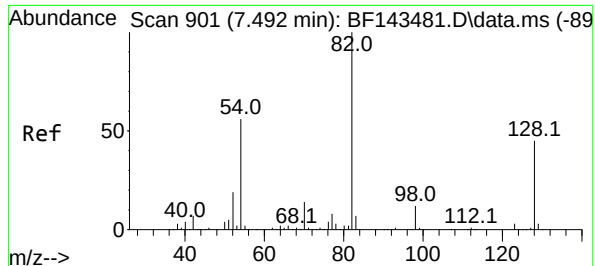
Tgt Ion: 99 Resp: 539974
Ion Ratio Lower Upper
99 100
42 20.0 16.3 24.5
71 34.6 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

Tgt Ion: 136 Resp: 485532
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.3 7.4 11.2
68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 72.784 ng

RT: 7.481 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143514.D

Acq: 21 Aug 2025 05:47

Instrument :

BNA_F

ClientSampleId :

TW-22M-W

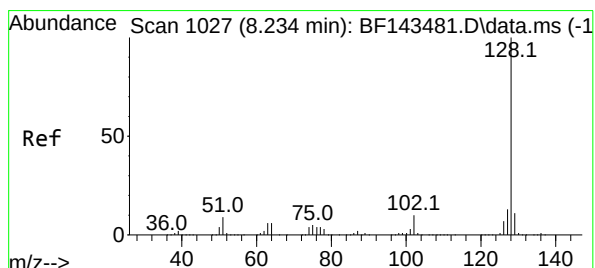
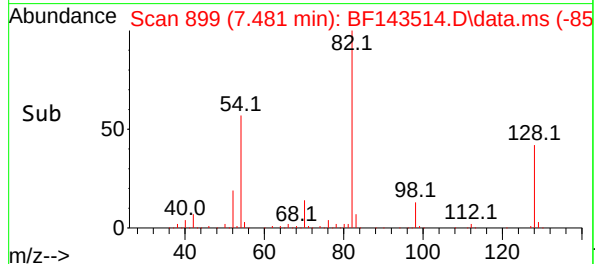
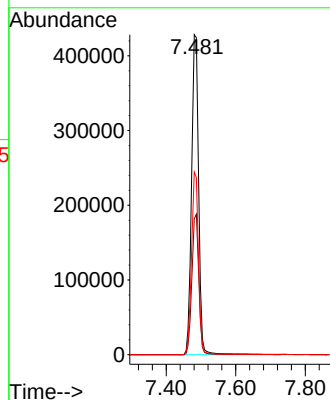
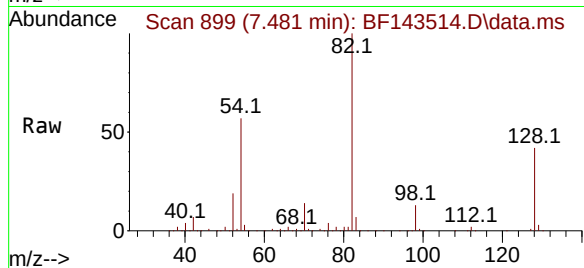
Tgt Ion: 82 Resp: 605589

Ion Ratio Lower Upper

82 100

128 42.4 35.5 53.3

54 57.1 44.3 66.5



#31

Naphthalene

Concen: 3.714 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF143514.D

Acq: 21 Aug 2025 05:47

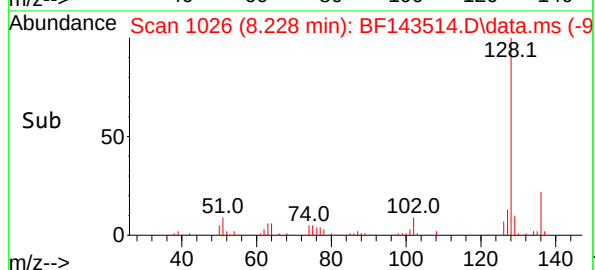
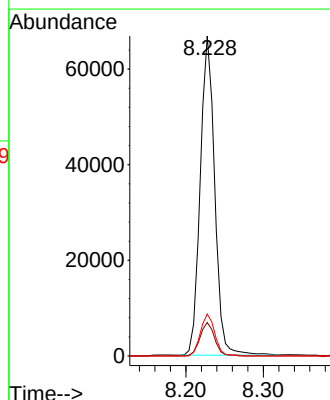
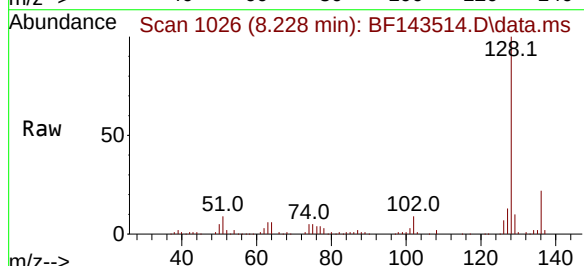
Tgt Ion: 128 Resp: 86571

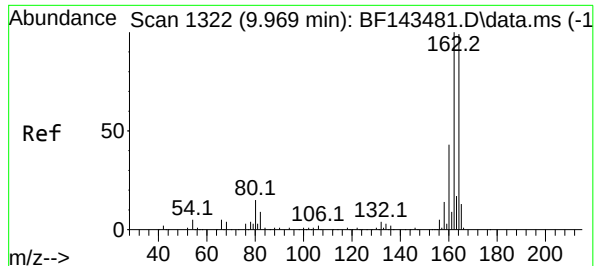
Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

127 13.1 10.6 16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143514.D

Acq: 21 Aug 2025 05:47

Instrument :

BNA_F

ClientSampleId :

TW-22M-W

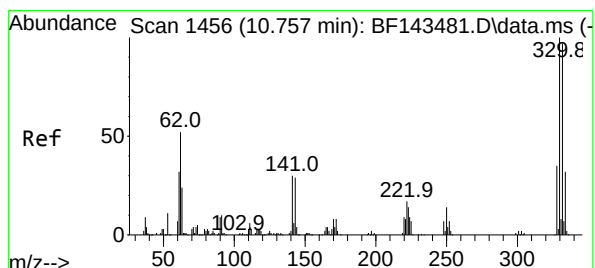
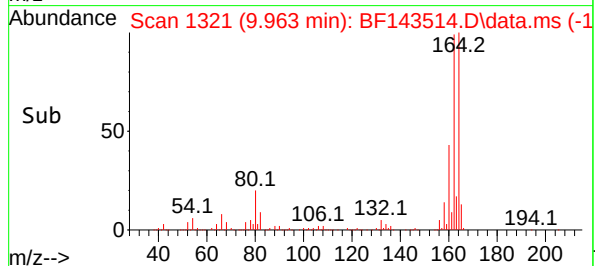
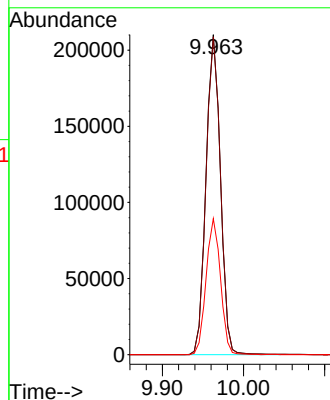
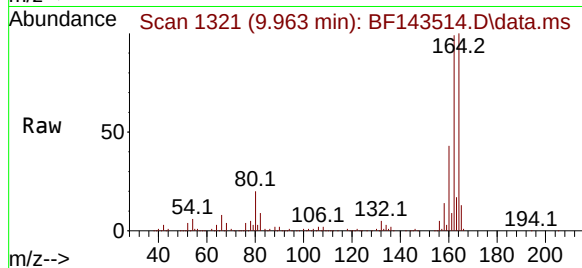
Tgt Ion:164 Resp: 258859

Ion Ratio Lower Upper

164 100

162 99.3 80.5 120.7

160 42.5 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 67.411 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BF143514.D

Acq: 21 Aug 2025 05:47

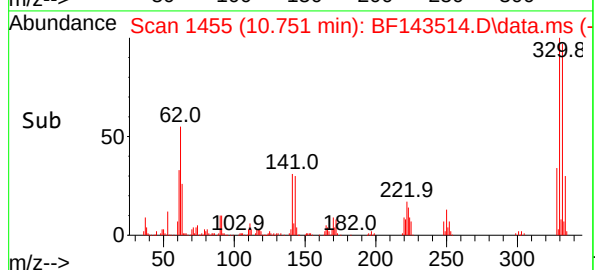
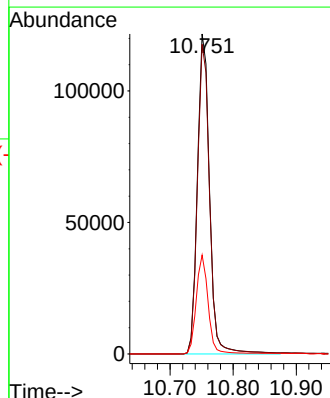
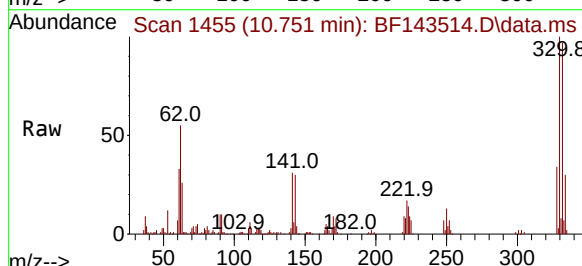
Tgt Ion:330 Resp: 162433

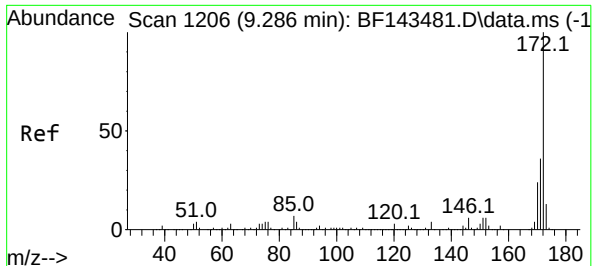
Ion Ratio Lower Upper

330 100

332 97.6 78.0 117.0

141 30.5 23.7 35.5





#45

2-Fluorobiphenyl

Concen: 68.446 ng

RT: 9.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143514.D

Acq: 21 Aug 2025 05:47

Instrument :

BNA_F

ClientSampleId :

TW-22M-W

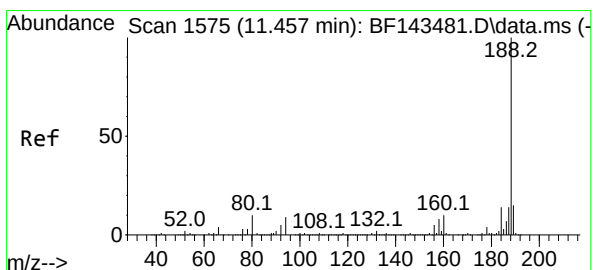
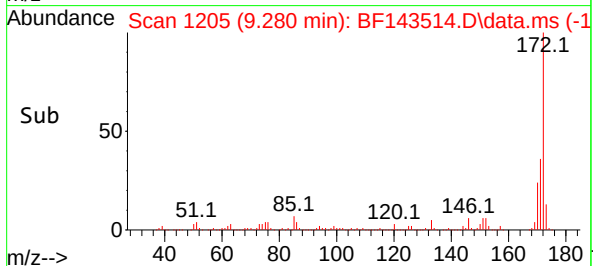
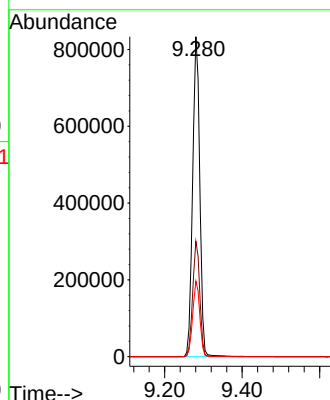
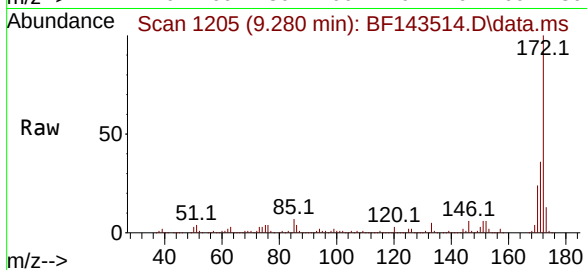
Tgt Ion:172 Resp: 1072072

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.6 18.8 28.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF143514.D

Acq: 21 Aug 2025 05:47

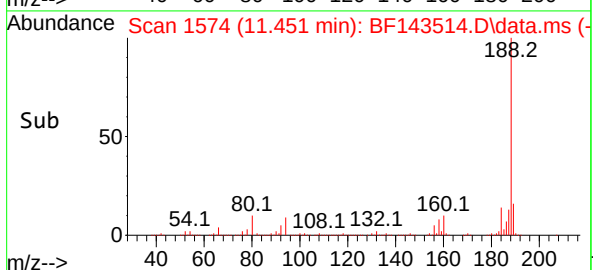
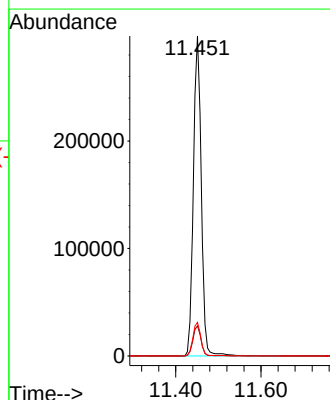
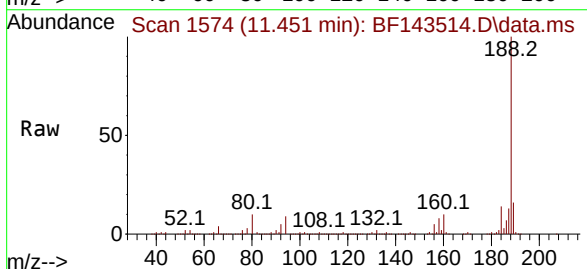
Tgt Ion:188 Resp: 382887

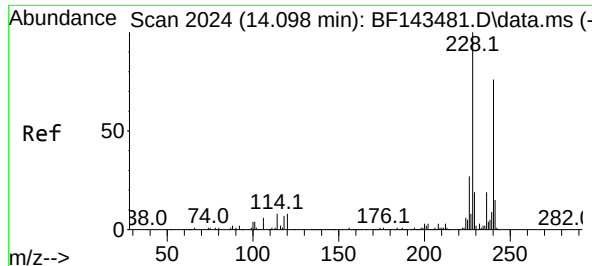
Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

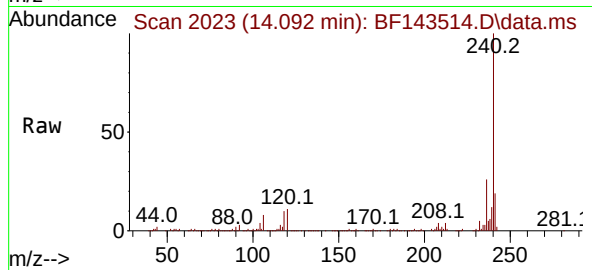
80 10.5 8.2 12.4



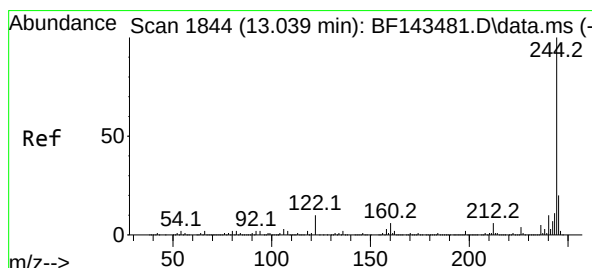
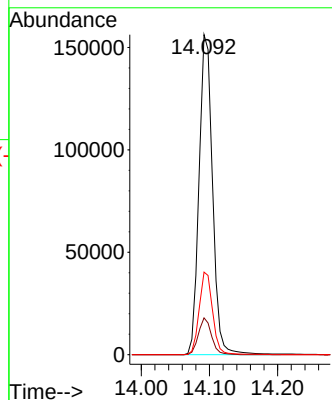
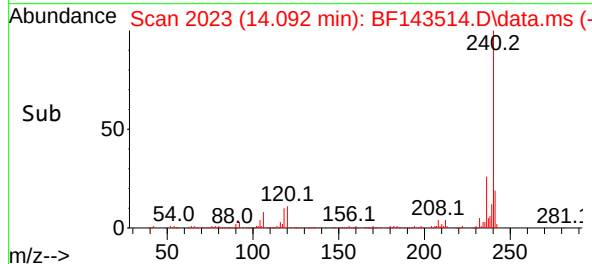


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47

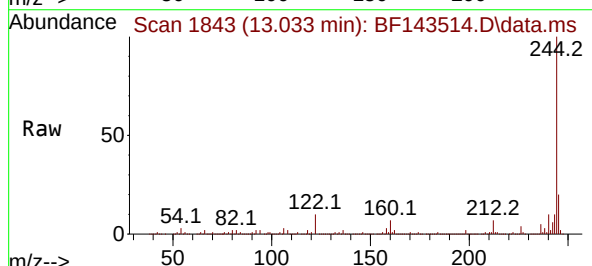
Instrument :
BNA_F
ClientSampleId :
TW-22M-W



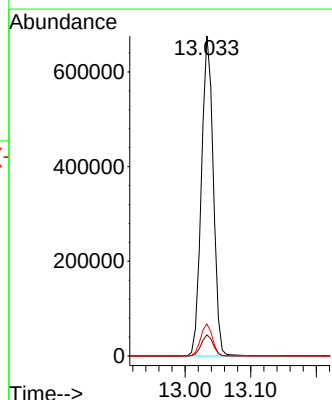
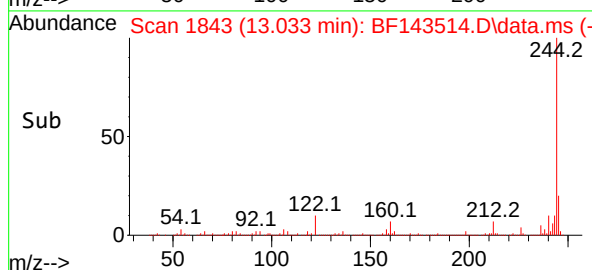
Tgt Ion:240 Resp: 214981
Ion Ratio Lower Upper
240 100
120 11.5 8.6 12.8
236 25.8 20.4 30.6

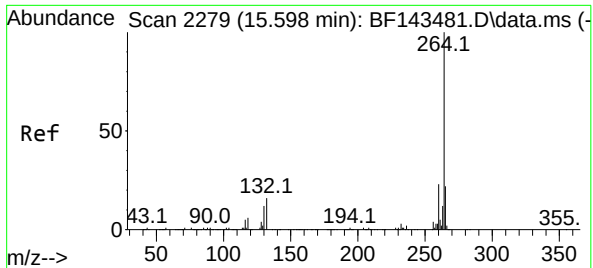


#79
Terphenyl-d14
Concen: 69.375 ng
RT: 13.033 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF143514.D
Acq: 21 Aug 2025 05:47



Tgt Ion:244 Resp: 854665
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.0 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143514.D

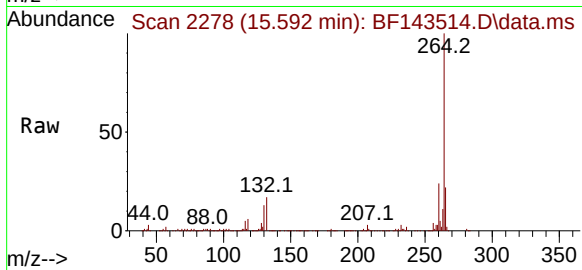
Acq: 21 Aug 2025 05:47

Instrument :

BNA_F

ClientSampleId :

TW-22M-W



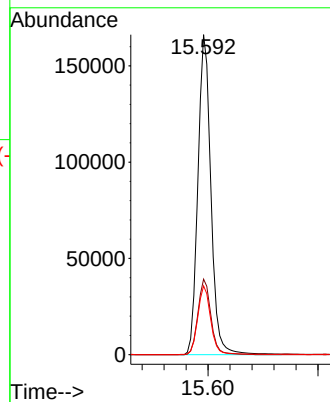
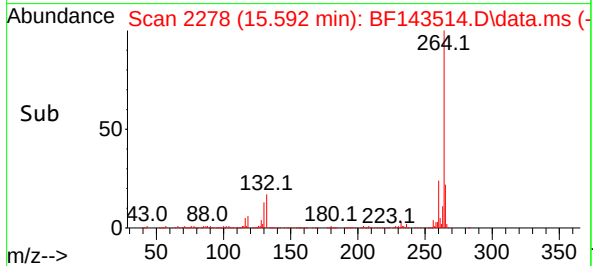
Tgt Ion:264 Resp: 273080

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.5 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143514.D
Acq On : 21 Aug 2025 05:47
Operator : RC/JU
Sample : Q2815-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143514.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.269	5	13	22	rVB	2120451	3554161	100.00%	15.858%
2	5.157	496	504	519	rBV	277624	409465	11.52%	1.827%
3	5.563	564	573	591	rBV	1339995	1784910	50.22%	7.964%
4	6.557	736	742	760	rBV	1182092	1574186	44.29%	7.024%
5	6.928	799	805	812	rBV	588472	761690	21.43%	3.399%
6	7.186	844	849	855	rBV	56895	69725	1.96%	0.311%
7	7.481	893	899	911	rBV	1288796	1810208	50.93%	8.077%
8	8.204	1017	1022	1032	rBV2	758546	1159419	32.62%	5.173%
9	9.280	1199	1205	1210	rBV	2466992	3127303	87.99%	13.954%
10	9.963	1315	1321	1326	rBV	880227	1091594	30.71%	4.871%
11	10.333	1380	1384	1388	rBV	47762	63696	1.79%	0.284%
12	10.674	1436	1442	1450	rBV	353963	470384	13.23%	2.099%
13	10.751	1450	1455	1471	rVV	931887	1240999	34.92%	5.537%
14	10.980	1490	1494	1504	rVB	49774	67647	1.90%	0.302%
15	11.451	1569	1574	1581	rBV	742990	951153	26.76%	4.244%
16	11.974	1659	1663	1674	rBV3	22741	49422	1.39%	0.221%
17	12.698	1782	1786	1793	rVB	45282	58369	1.64%	0.260%
18	12.851	1807	1812	1817	rBV	89974	109675	3.09%	0.489%
19	12.927	1818	1825	1833	rVB2	19534	39440	1.11%	0.176%
20	13.033	1837	1843	1848	rBV	1784828	2250042	63.31%	10.039%
21	13.557	1928	1932	1936	rBV	44681	55594	1.56%	0.248%
22	13.604	1936	1940	1948	rVB	30906	49004	1.38%	0.219%
23	13.933	1991	1996	1999	rBV	33987	48714	1.37%	0.217%
24	13.980	1999	2004	2015	rVV8	24424	85413	2.40%	0.381%
25	14.092	2018	2023	2034	rVB	427966	585365	16.47%	2.612%
26	14.251	2045	2050	2054	rBV	34076	44616	1.26%	0.199%
27	14.551	2097	2101	2107	rBV	35996	46378	1.30%	0.207%
28	14.862	2150	2154	2160	rVB	32979	49255	1.39%	0.220%
29	15.215	2209	2214	2221	rVB	33361	50803	1.43%	0.227%
30	15.592	2272	2278	2291	rBV	451103	753493	21.20%	3.362%

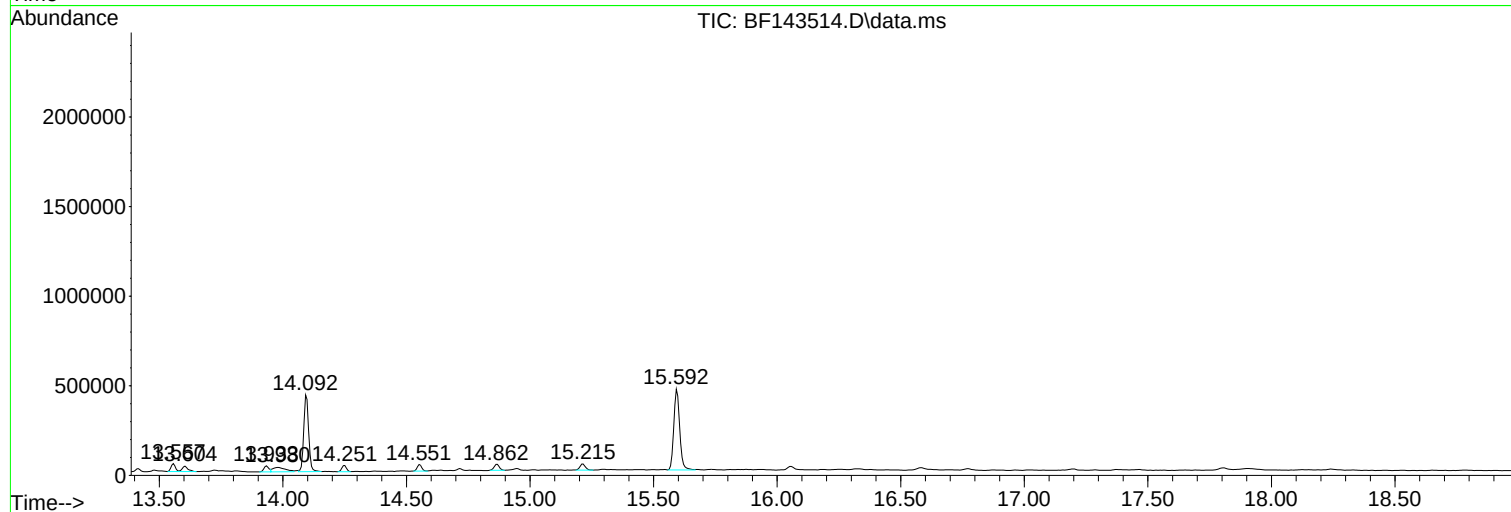
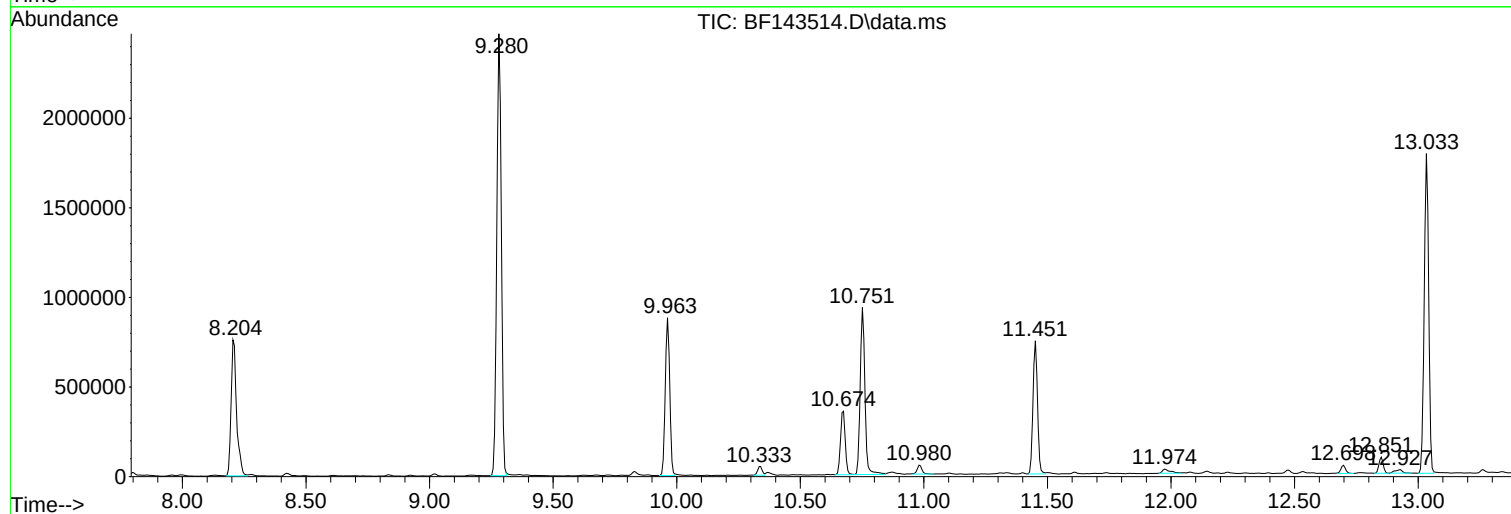
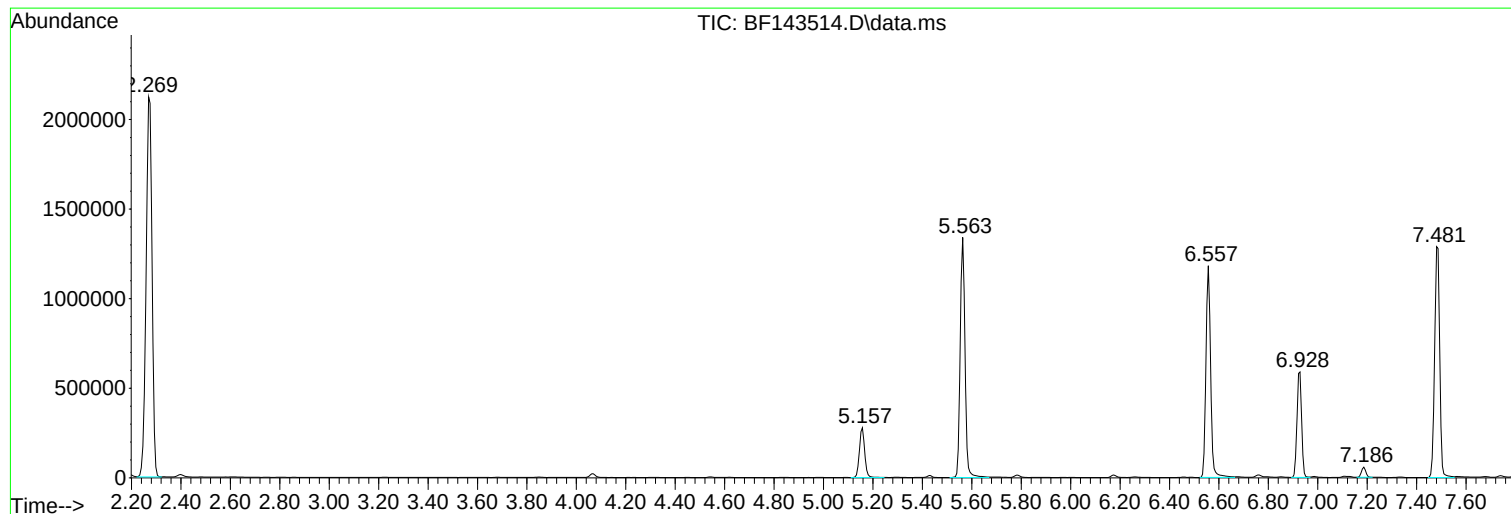
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143514.D
Acq On : 21 Aug 2025 05:47
Operator : RC/JU
Sample : Q2815-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-W

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143514.D
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Instrument :
BNA_F
ClientSampleId :
TW-22M-W

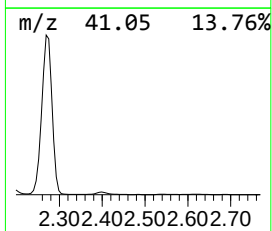
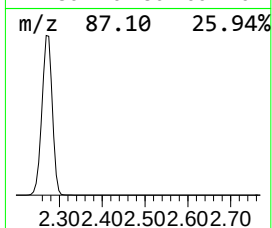
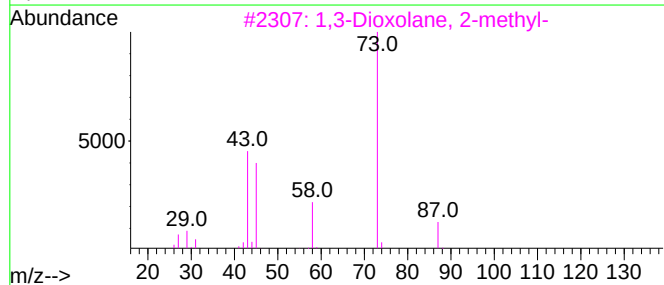
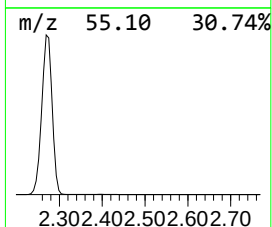
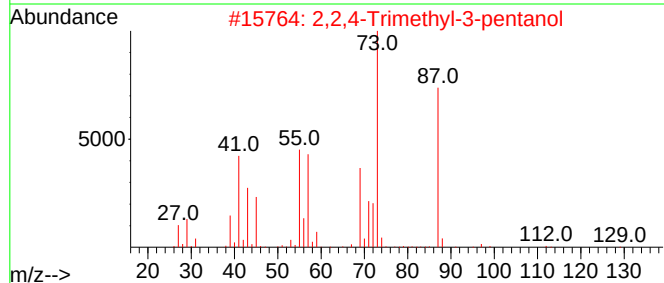
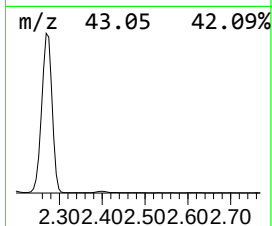
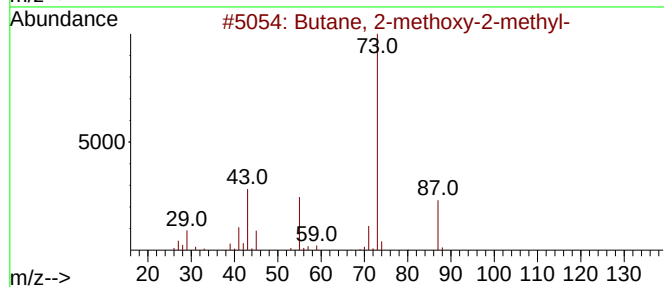
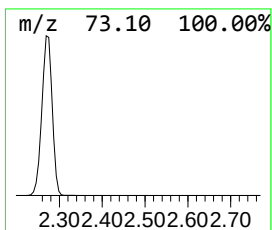
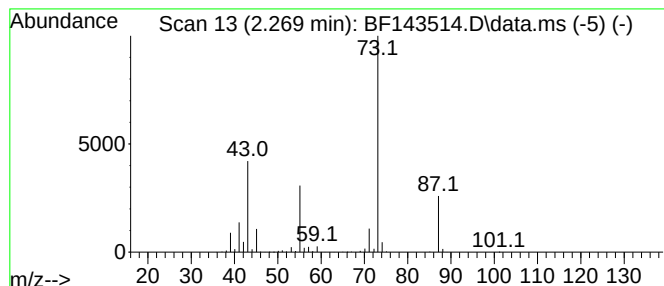
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.269	93.32 ng	3554160	1,4-Dichlorobenzene-d4	6.928

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4		Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143514.D
Acq On : 21 Aug 2025 05:47
Operator : RC/JU
Sample : Q2815-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-W

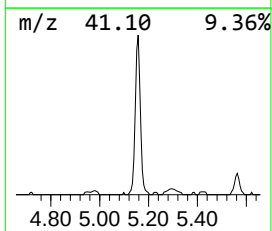
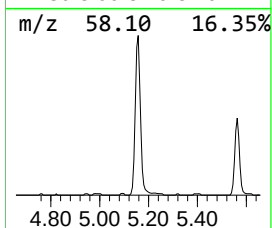
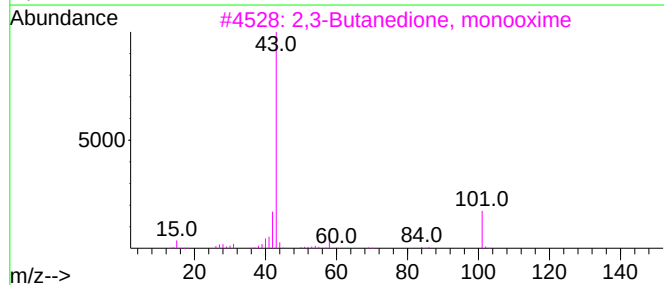
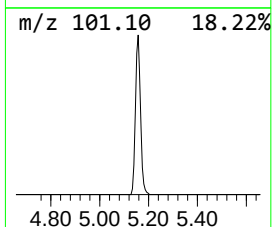
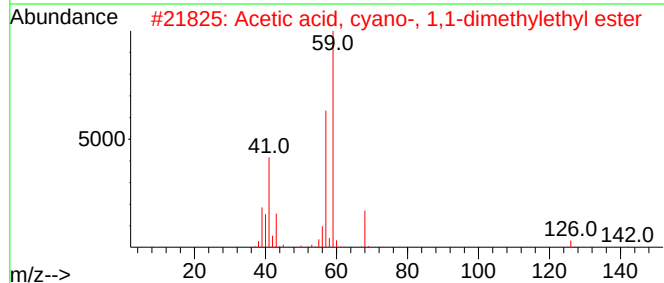
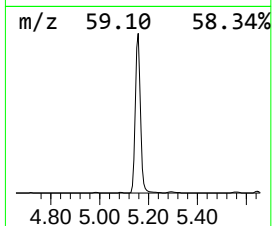
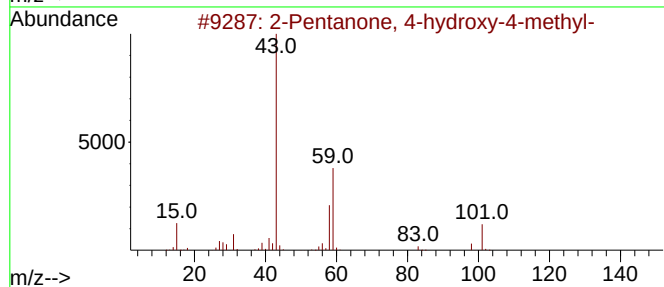
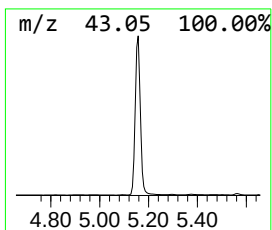
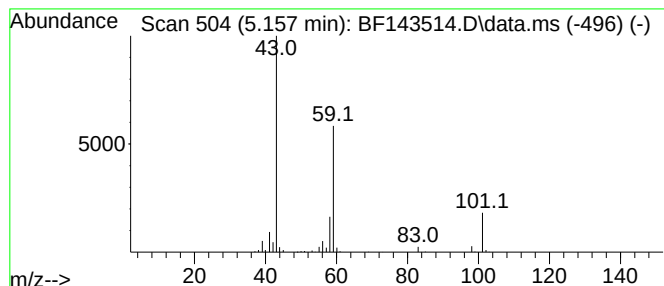
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.157	10.75 ng	409465	1,4-Dichlorobenzene-d4	6.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5			Ethanol, pentamethyl-	116	C7H16O	000594-83-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143514.D
Acq On : 21 Aug 2025 05:47
Operator : RC/JU
Sample : Q2815-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-W

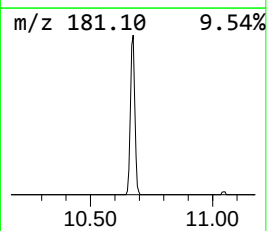
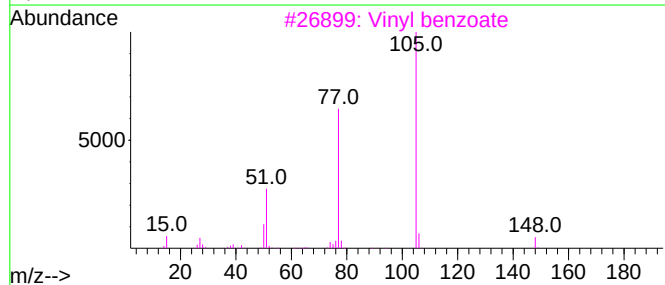
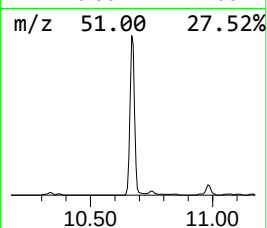
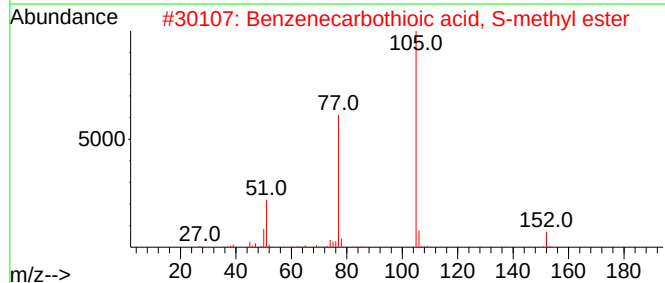
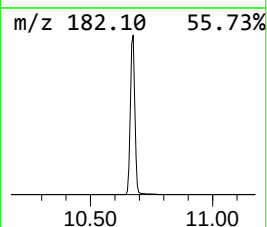
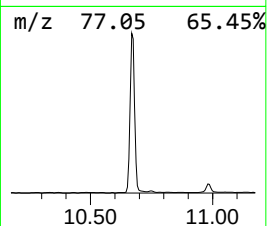
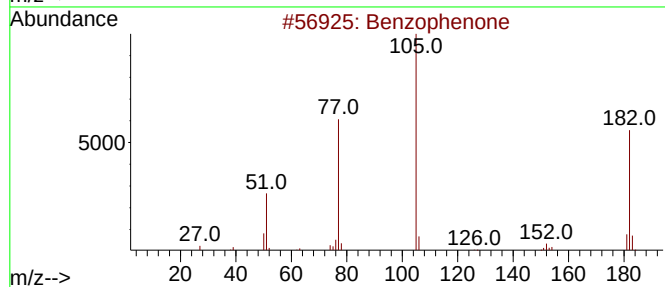
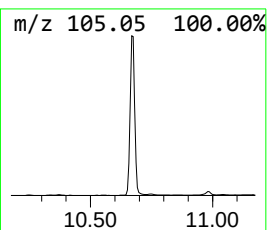
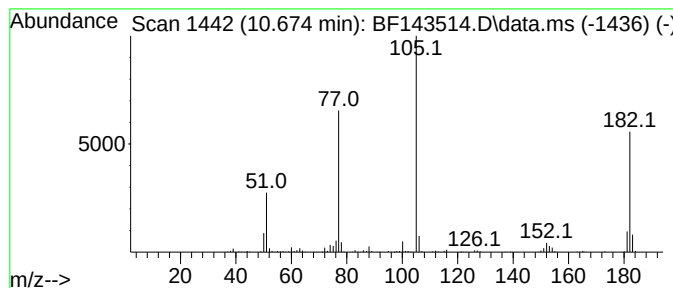
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	8.62 ng	470384	Acenaphthene-d10	9.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
3			Vinyl benzoate	148	C9H8O2	000769-78-8	43
4			Benzenecarboxylic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	43
5			4-Acetylphenylbenzoate	240	C15H12O3	001523-18-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143514.D
Acq On : 21 Aug 2025 05:47
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Sample : Q2815-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-W

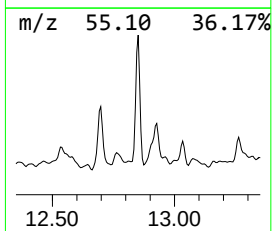
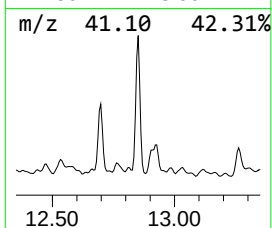
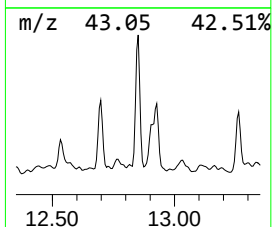
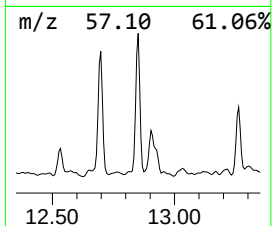
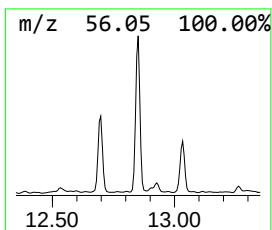
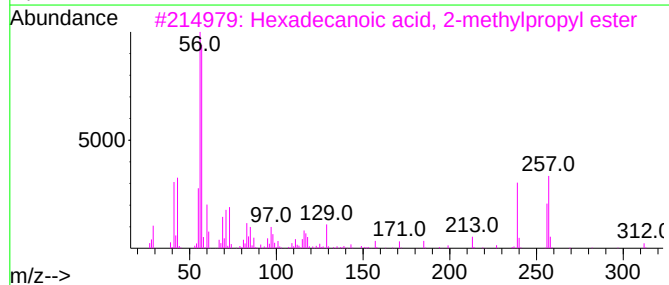
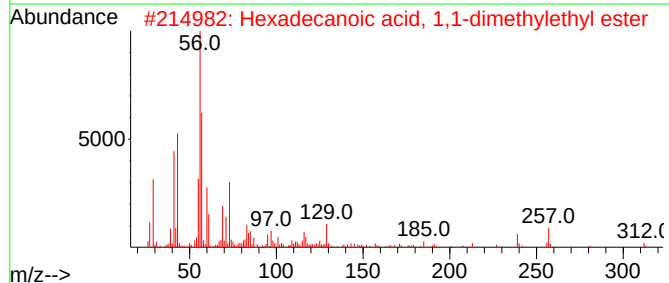
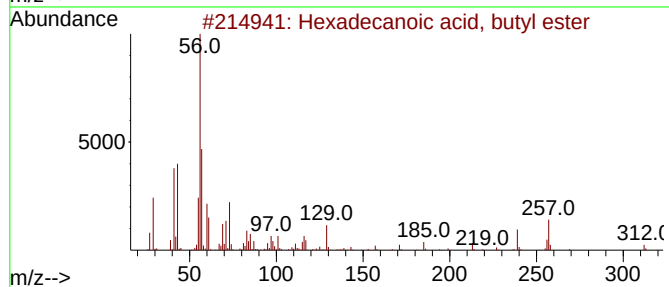
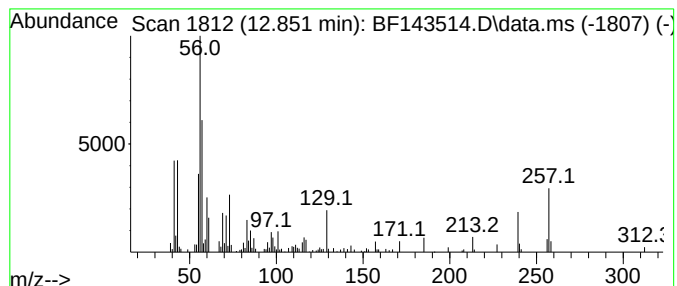
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Hexadecanoic acid, butyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.851	3.75 ng	109675	Chrysene-d12	14.092

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	98
2			Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	96
3			Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	87
4			Cyclohexanol, 4-amino-, trans-	115	C6H13NO	027489-62-9	30
5			Pentanal, 3-methyl-	100	C6H12O	015877-57-3	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
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Sample : Q2815-11
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-W

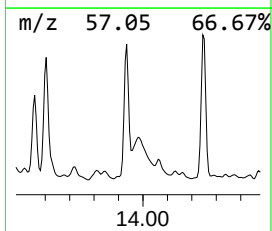
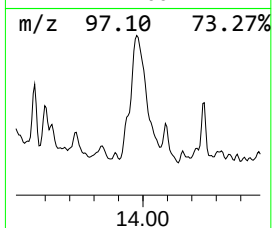
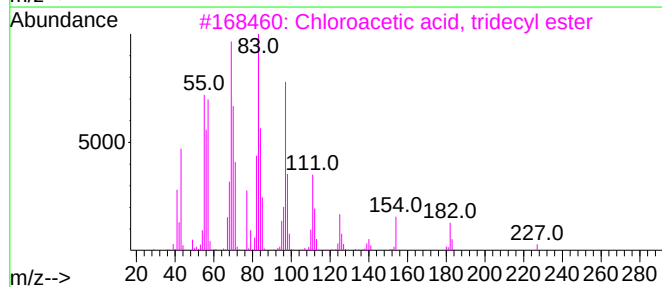
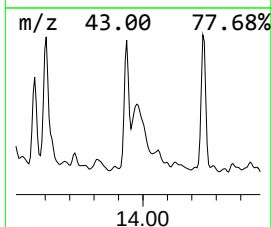
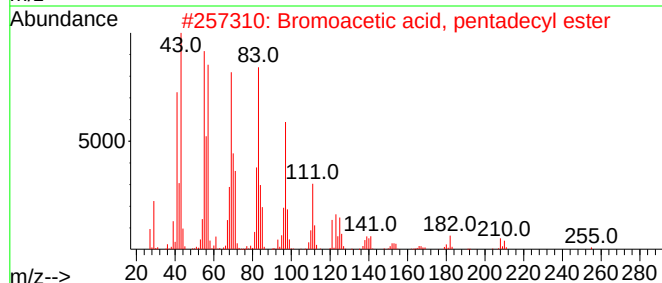
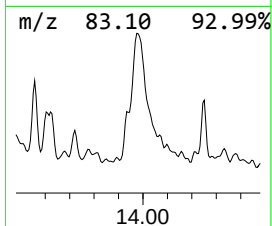
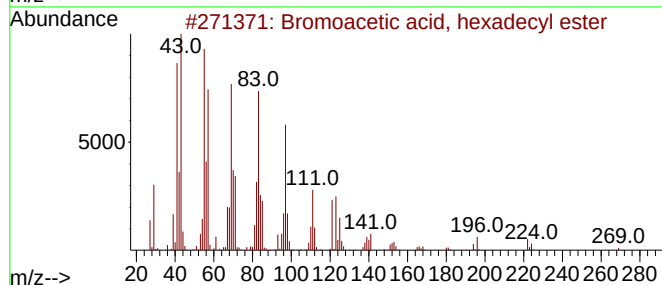
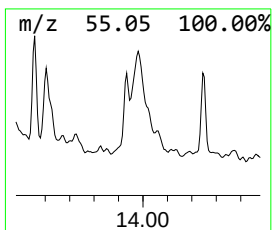
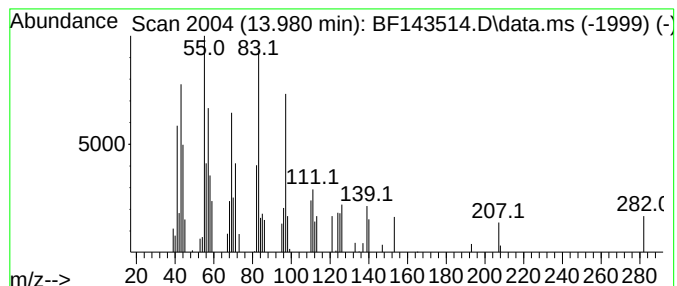
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Bromoacetic acid, hexadecyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.980	2.92 ng	85413	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	72
2		Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	72
3		Chloroacetic acid, tridecyl ester	276	C15H29ClO2	018277-85-5	72
4		Chloroacetic acid, pentadecyl ester	304	C17H33ClO2	070301-47-2	52
5		13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
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Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-W

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.269	93.3	ng	3554160	1	6.928	761690	20.0
2-Pentanone, 4-...	5.157	10.8	ng	409465	1	6.928	761690	20.0
Benzophenone	10.675	8.6	ng	470384	3	9.963	1091590	20.0
Hexadecanoic ac...	12.851	3.8	ng	109675	5	14.092	585365	20.0
Bromoacetic aci...	13.980	2.9	ng	85413	5	14.092	585365	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-12	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143502.D	1	08/12/25 11:39	08/21/25 00:00	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.20	U	4.00	8.20	10.2	ug/L
108-95-2	Phenol	4.10	U	0.93	4.10	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.10	U	0.83	4.10	5.10	ug/L
95-57-8	2-Chlorophenol	4.10	U	0.59	4.10	5.10	ug/L
95-48-7	2-Methylphenol	4.10	U	1.10	4.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.10	U	1.30	4.10	5.10	ug/L
98-86-2	Acetophenone	4.10	U	0.76	4.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.20	U	1.10	8.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.60	U	1.40	2.60	2.60	ug/L
67-72-1	Hexachloroethane	4.10	U	0.66	4.10	5.10	ug/L
98-95-3	Nitrobenzene	4.10	U	0.78	4.10	5.10	ug/L
78-59-1	Isophorone	4.10	U	0.77	4.10	5.10	ug/L
88-75-5	2-Nitrophenol	4.10	U	1.80	4.10	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.10	U	1.90	4.10	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.10	U	0.69	4.10	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.10	U	0.53	4.10	5.10	ug/L
91-20-3	Naphthalene	4.10	U	0.51	4.10	5.10	ug/L
106-47-8	4-Chloroaniline	4.10	U	0.86	4.10	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.10	U	0.55	4.10	5.10	ug/L
105-60-2	Caprolactam	8.20	U	1.20	8.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	4.10	U	0.60	4.10	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.10	U	0.57	4.10	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.20	U	3.70	8.20	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	4.10	U	0.52	4.10	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.10	U	0.63	4.10	5.10	ug/L
92-52-4	1,1-Biphenyl	4.10	U	0.54	4.10	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.10	U	0.62	4.10	5.10	ug/L
88-74-4	2-Nitroaniline	4.10	U	1.30	4.10	5.10	ug/L
131-11-3	Dimethylphthalate	4.10	U	0.62	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-12	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143502.D	1	08/12/25 11:39	08/21/25 00:00	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.10	U	0.77	4.10	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.10	U	0.94	4.10	5.10	ug/L
99-09-2	3-Nitroaniline	4.10	U	1.10	4.10	5.10	ug/L
83-32-9	Acenaphthene	4.10	U	0.56	4.10	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.20	U	6.10	8.20	10.2	ug/L
100-02-7	4-Nitrophenol	8.20	U	2.40	8.20	10.2	ug/L
132-64-9	Dibenzofuran	4.10	U	0.62	4.10	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.10	U	1.20	4.10	5.10	ug/L
84-66-2	Diethylphthalate	4.10	U	0.70	4.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.10	U	0.69	4.10	5.10	ug/L
86-73-7	Fluorene	4.10	U	0.64	4.10	5.10	ug/L
100-01-6	4-Nitroaniline	4.10	U	1.50	4.10	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.20	U	2.90	8.20	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	4.10	U	0.59	4.10	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.10	U	0.41	4.10	5.10	ug/L
118-74-1	Hexachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
1912-24-9	Atrazine	4.10	U	1.00	4.10	5.10	ug/L
87-86-5	Pentachlorophenol	8.20	U	1.60	8.20	10.2	ug/L
85-01-8	Phenanthrene	4.10	U	0.51	4.10	5.10	ug/L
120-12-7	Anthracene	4.10	U	0.62	4.10	5.10	ug/L
86-74-8	Carbazole	4.10	U	0.73	4.10	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.10	U	1.20	4.10	5.10	ug/L
206-44-0	Fluoranthene	4.10	U	0.84	4.10	5.10	ug/L
129-00-0	Pyrene	4.10	U	0.51	4.10	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.10	U	2.00	4.10	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.20	U	0.95	8.20	10.2	ug/L
56-55-3	Benzo(a)anthracene	4.10	U	0.46	4.10	5.10	ug/L
218-01-9	Chrysene	4.10	U	0.45	4.10	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.10	U	1.60	4.10	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.20	U	2.40	8.20	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	4.10	U	0.50	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-12	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143502.D	1	08/12/25 11:39	08/21/25 00:00	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.10	U	0.49	4.10	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.10	U	0.56	4.10	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.10	U	0.60	4.10	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.10	U	0.68	4.10	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.10	U	0.70	4.10	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
123-91-1	1,4-Dioxane	4.10	U	1.00	4.10	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.10	U	0.73	4.10	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	67.2		19 - 119	45%	SPK: 150
13127-88-3	Phenol-d6	60.1		10 - 130	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.8		44 - 120	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.8		44 - 119	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.4		43 - 140	59%	SPK: 150
1718-51-0	Terphenyl-d14	53.3		50 - 134	53%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	132000	6.928
1146-65-2	Naphthalene-d8	484000	8.21
15067-26-2	Acenaphthene-d10	235000	9.969
1517-22-2	Phenanthrene-d10	315000	11.457
1719-03-5	Chrysene-d12	215000	14.092
1520-96-3	Perylene-d12	267000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	78.4	J	2.26	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.00	AB	5.15	ug/L
017301-23-4	Undecane, 2,6-dimethyl-	5.70	J	8.27	ug/L
	unknown8.386	3.20	J	8.39	ug/L
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	4.30	J	8.42	ug/L
062108-25-2	Decane, 2,6,7-trimethyl-	21.3	J	8.63	ug/L
007094-26-0	Cyclohexane, 1,1,2-trimethyl-	4.70	J	8.75	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-12	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143502.D	1	08/12/25 11:39	08/21/25 00:00	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown9.086	4.30	J			9.09	ug/L
	unknown9.204	3.20	J			9.20	ug/L
003891-98-3	Dodecane, 2,6,10-trimethyl-	17.7	J			9.23	ug/L
	unknown9.369	22.2	J			9.37	ug/L
017312-62-8	Decane, 5-propyl-	39.6	J			9.69	ug/L
	unknown9.839	8.80	J			9.84	ug/L
	unknown10.222	9.10	J			10.2	ug/L
057289-16-4	2,6-Naphthalenedione, octahydro-1,	4.90	J			10.4	ug/L
000593-49-7	Heptacosane	22.5	J			10.6	ug/L
000119-61-9	Benzophenone	8.60	J			10.7	ug/L
026730-12-1	Tridecane, 4-methyl-	66.7	J			10.9	ug/L
000544-77-4	Hexadecane, 1-iodo-	38.1	J			11.3	ug/L
026429-11-8	Heptadecane, 4-methyl-	8.90	J			11.7	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

Quant Time: Aug 21 02:08:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131776	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	484366	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	235399	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	314699	20.000	ng	0.00
76) Chrysene-d12	14.092	240	215069	20.000	ng	-0.01
86) Perylene-d12	15.592	264	267410	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	507155	67.203	ng	0.00
7) Phenol-d6	6.557	99	559763	60.087	ng	-0.02
23) Nitrobenzene-d5	7.481	82	521166	62.788	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	193627	88.365	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	922326	64.754	ng	0.00
79) Terphenyl-d14	13.033	244	656359	53.256	ng	0.00

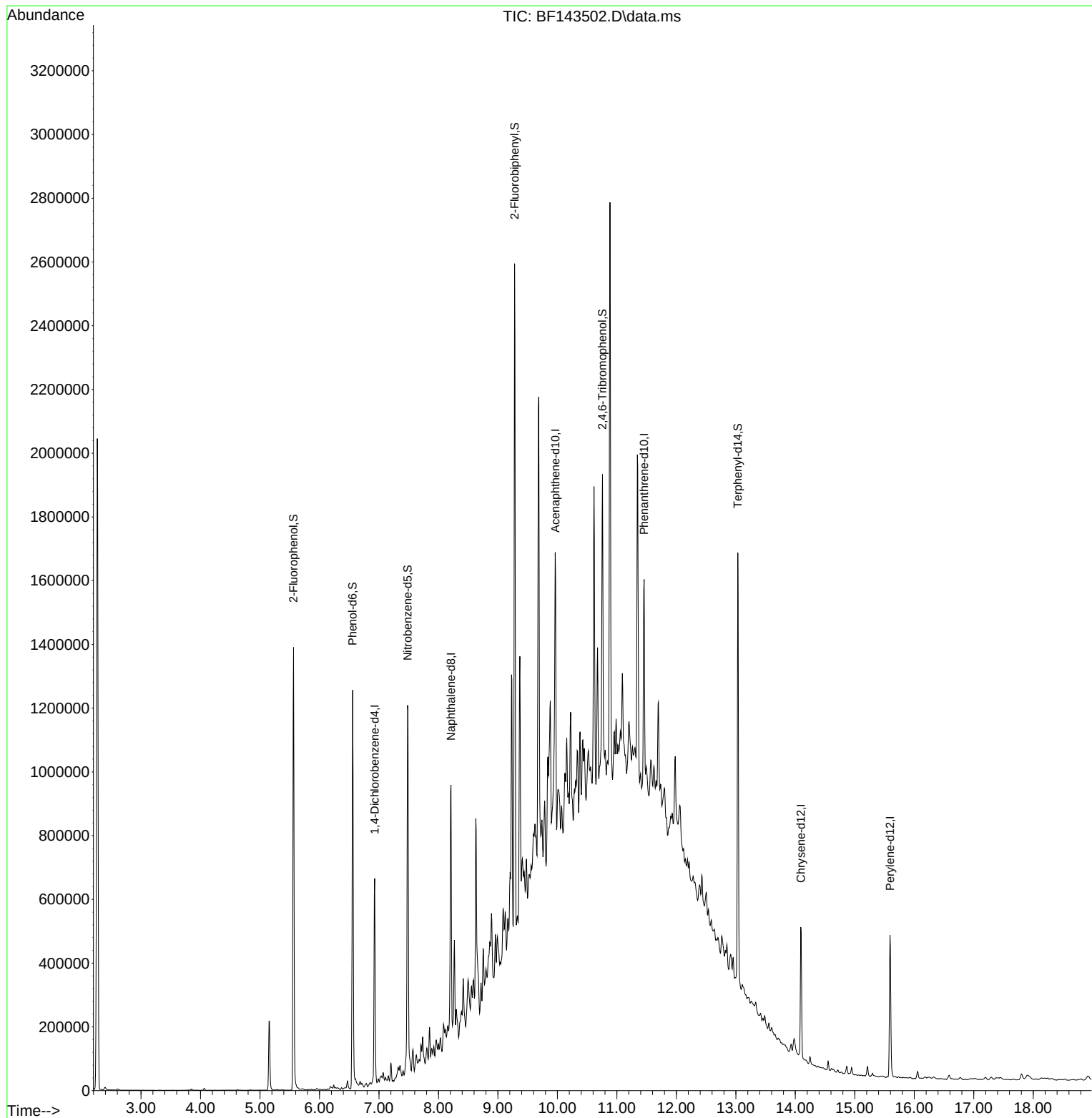
Target Compounds	Qvalue

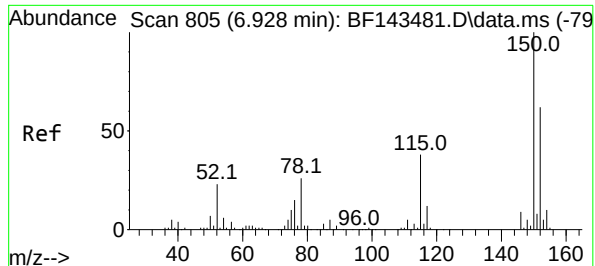
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

Quant Time: Aug 21 02:08:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

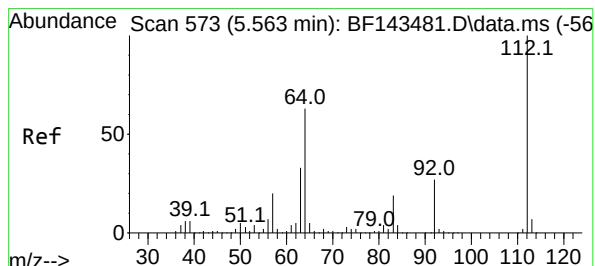
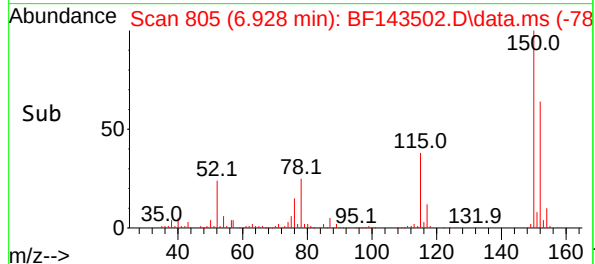
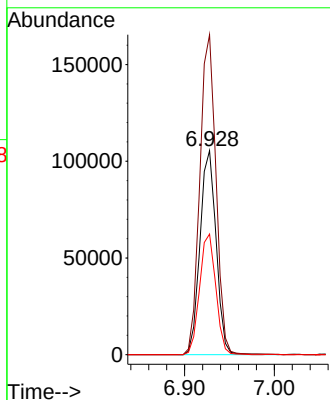
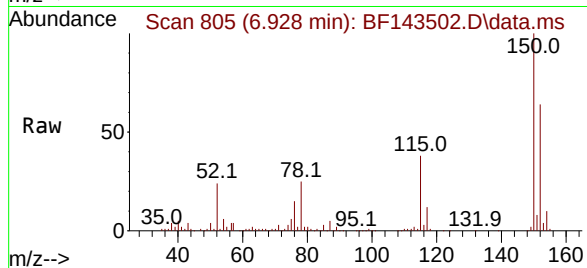




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

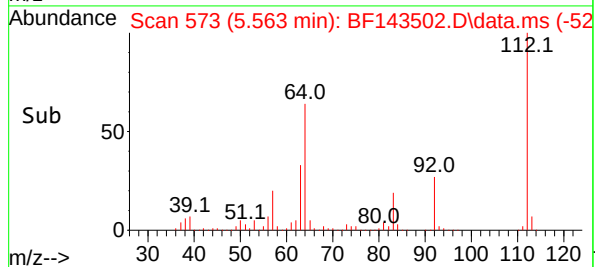
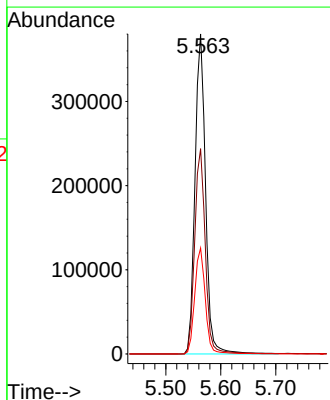
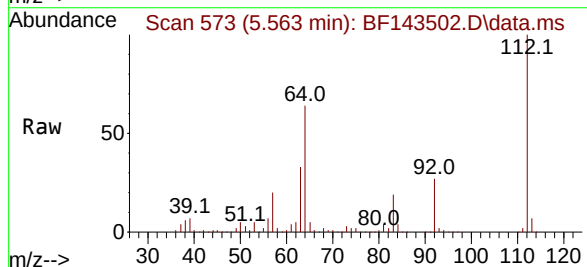
Instrument :
BNA_F
ClientSampleId :
TW-22M-S

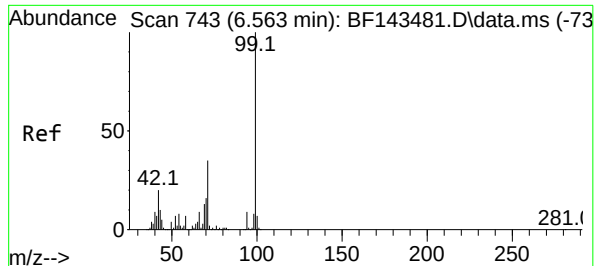
Tgt Ion:152 Resp: 131776
Ion Ratio Lower Upper
152 100
150 156.9 128.9 193.3
115 59.2 49.2 73.8



#5
2-Fluorophenol
Concen: 67.203 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143502.D
Acq: 21 Aug 2025 00:00

Tgt Ion:112 Resp: 507155
Ion Ratio Lower Upper
112 100
64 64.2 50.4 75.6
63 33.1 26.4 39.6





#7

Phenol-d6

Concen: 60.087 ng

RT: 6.557 min Scan# 743

Delta R.T. -0.018 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

Instrument :

BNA_F

ClientSampleId :

TW-22M-S

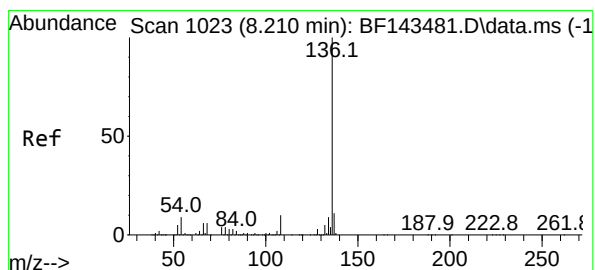
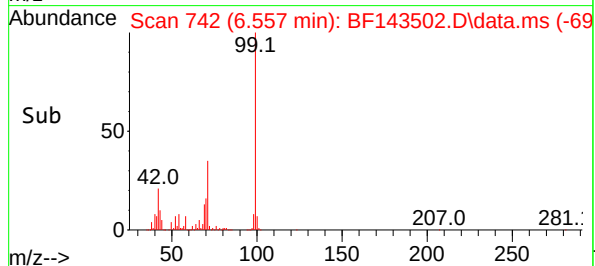
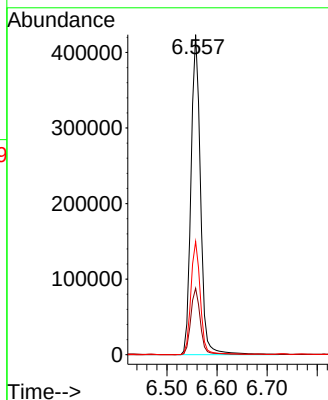
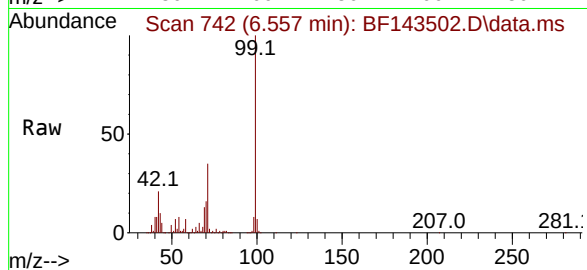
Tgt Ion: 99 Resp: 559763

Ion Ratio Lower Upper

99 100

42 20.7 16.3 24.5

71 35.4 28.2 42.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

Tgt Ion: 136 Resp: 484366

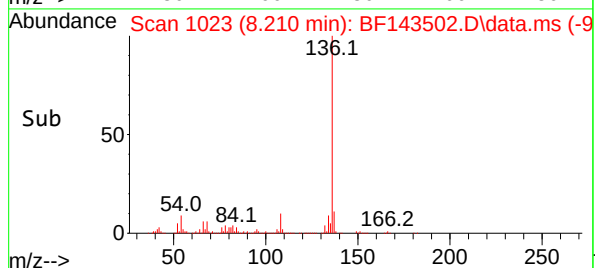
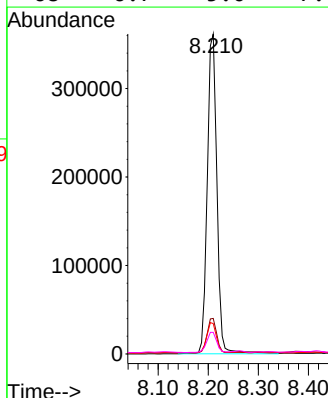
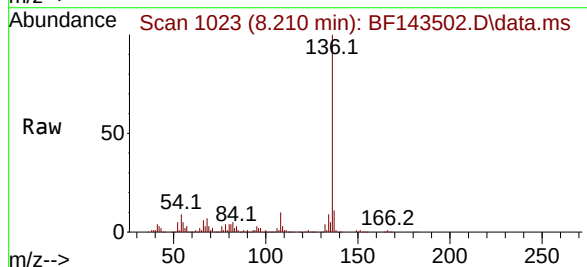
Ion Ratio Lower Upper

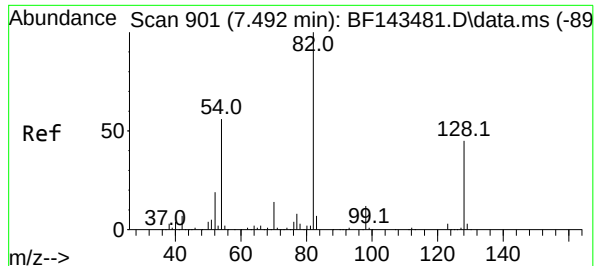
136 100

137 11.1 9.0 13.4

54 9.5 7.4 11.2

68 6.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 62.788 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

Instrument :

BNA_F

ClientSampleId :

TW-22M-S

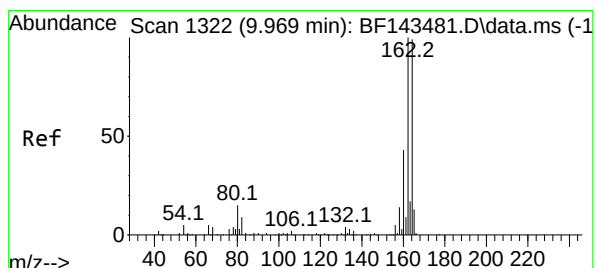
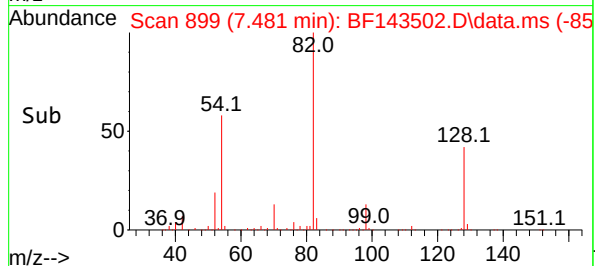
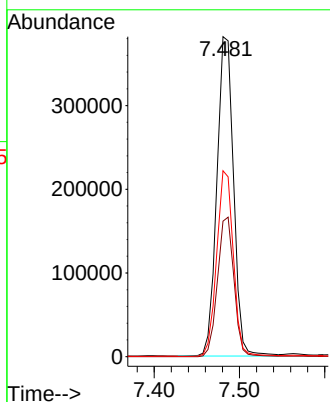
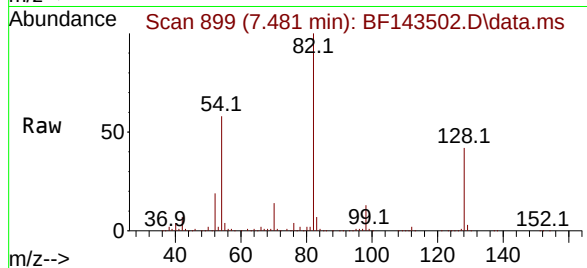
Tgt Ion: 82 Resp: 521166

Ion Ratio Lower Upper

82 100

128 42.4 35.5 53.3

54 58.1 44.3 66.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

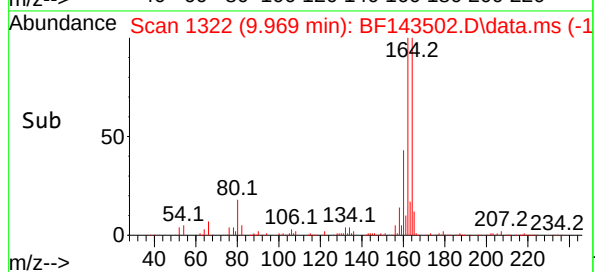
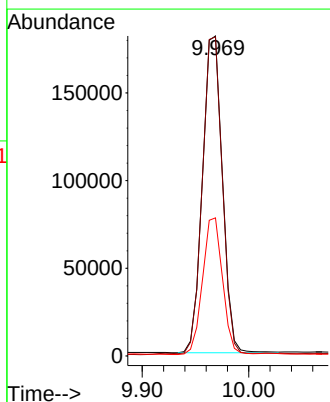
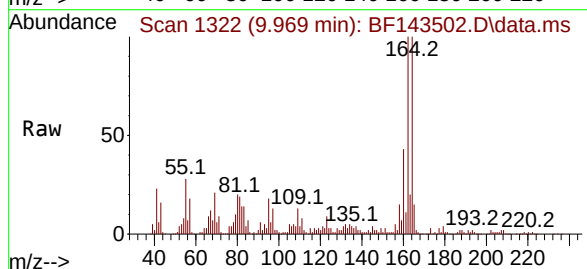
Tgt Ion: 164 Resp: 235399

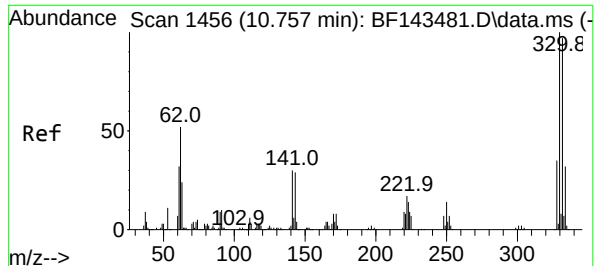
Ion Ratio Lower Upper

164 100

162 99.7 80.5 120.7

160 43.2 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 88.365 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143502.D

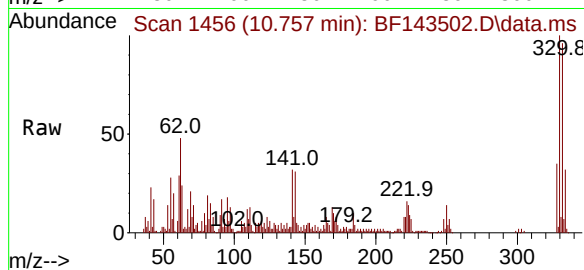
Acq: 21 Aug 2025 00:00

Instrument :

BNA_F

ClientSampleId :

TW-22M-S



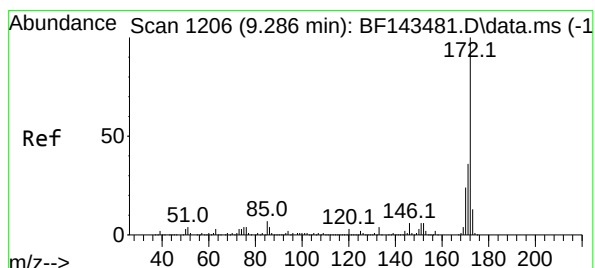
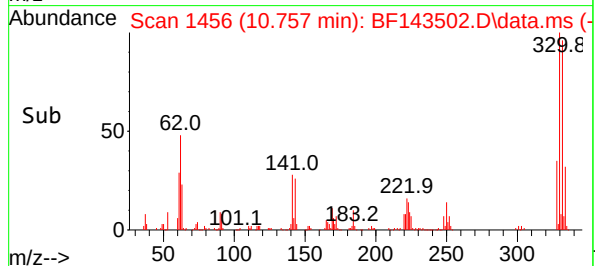
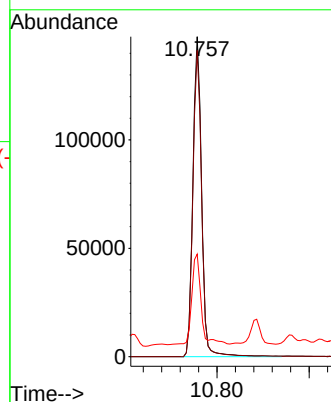
Tgt Ion:330 Resp: 193627

Ion Ratio Lower Upper

330 100

332 95.6 78.0 117.0

141 30.1 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 64.754 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

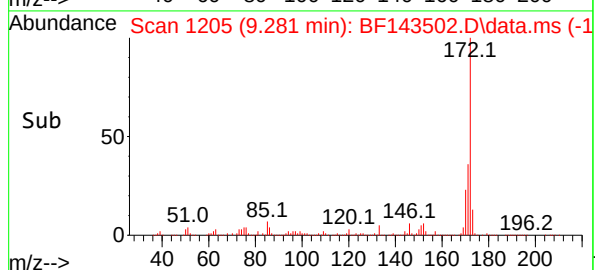
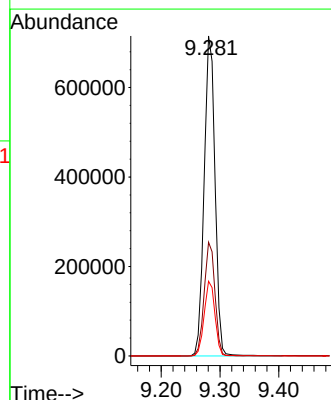
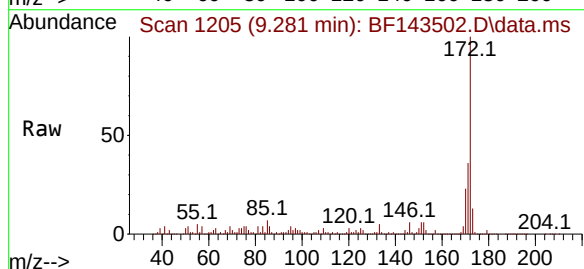
Tgt Ion:172 Resp: 922326

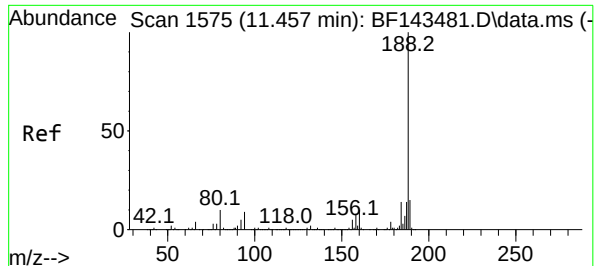
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.4 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

Instrument :

BNA_F

ClientSampleId :

TW-22M-S

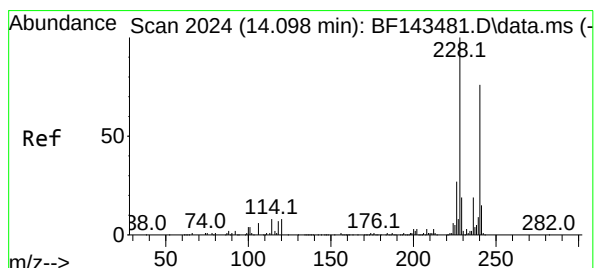
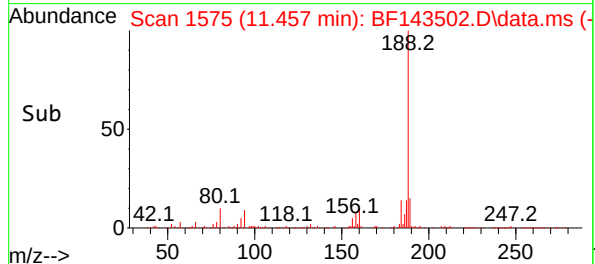
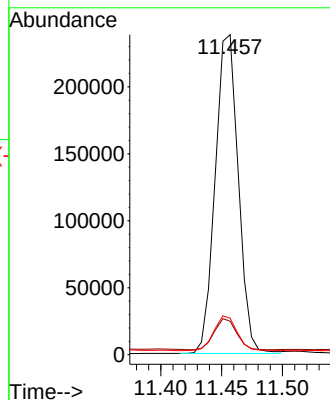
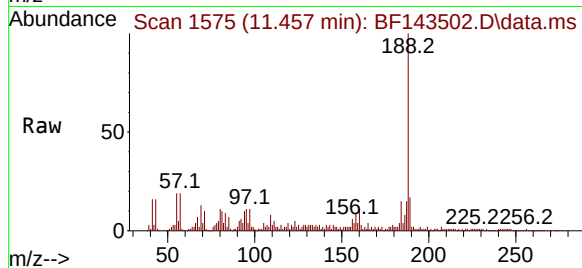
Tgt Ion:188 Resp: 314699

Ion Ratio Lower Upper

188 100

94 10.5 7.4 11.2

80 11.4 8.2 12.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

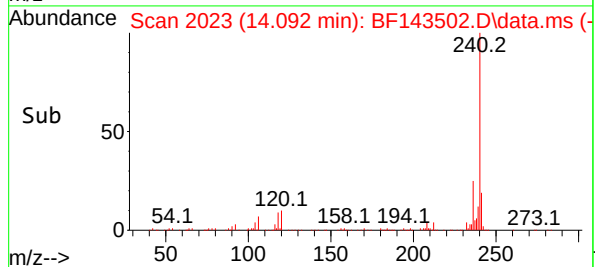
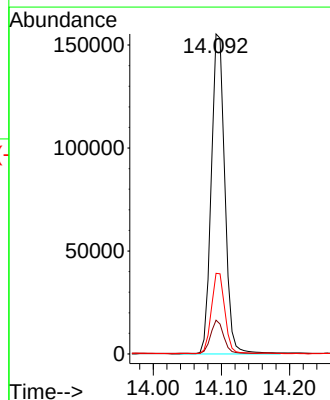
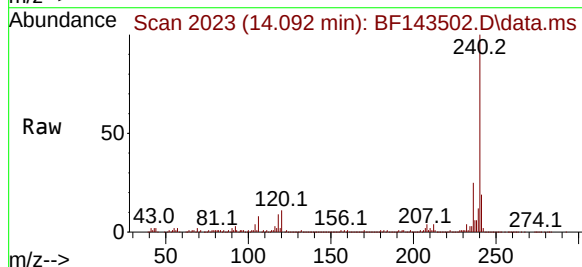
Tgt Ion:240 Resp: 215069

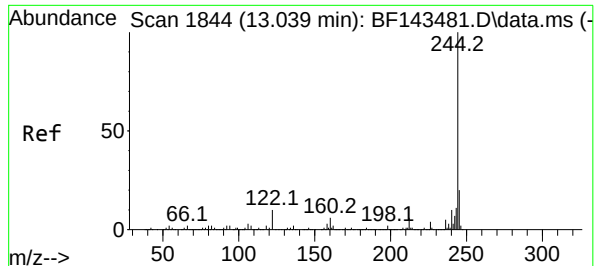
Ion Ratio Lower Upper

240 100

120 10.6 8.6 12.8

236 25.2 20.4 30.6





#79

Terphenyl-d14

Concen: 53.256 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

Instrument :

BNA_F

ClientSampleId :

TW-22M-S

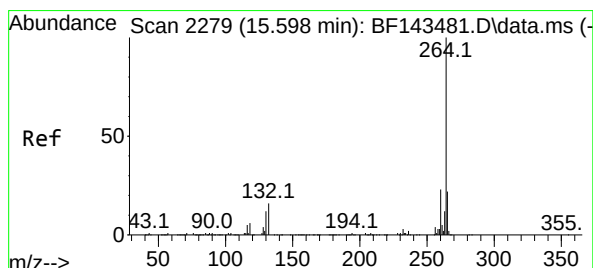
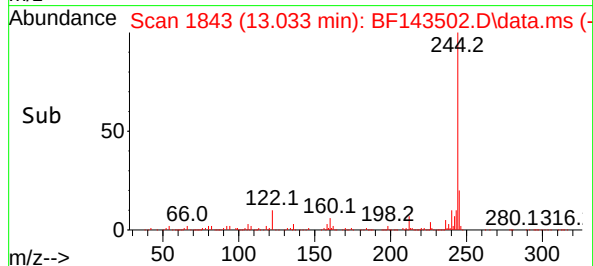
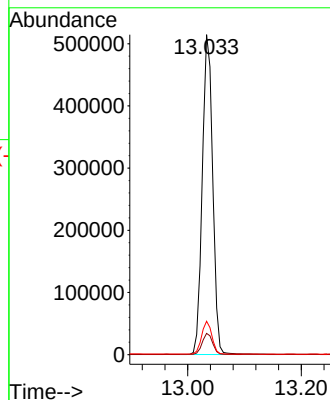
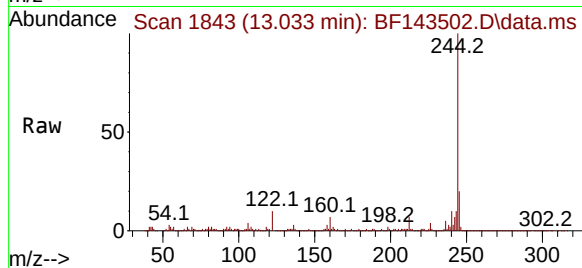
Tgt Ion:244 Resp: 656359

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 10.5 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143502.D

Acq: 21 Aug 2025 00:00

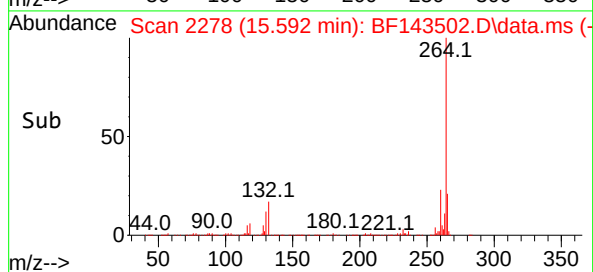
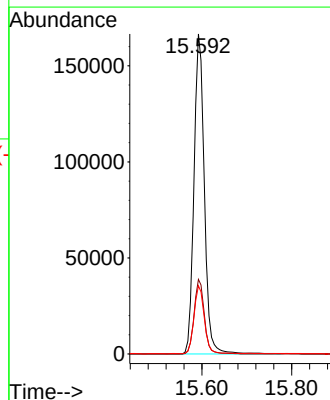
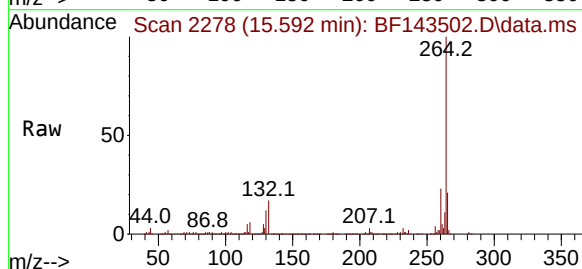
Tgt Ion:264 Resp: 267410

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 21.3 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143502.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.263	4	12	22	rVB	2042099	3303875	100.00%	9.161%
2	5.151	496	503	518	rBV	216933	335618	10.16%	0.931%
3	5.563	567	573	585	rBV	1389317	1848340	55.94%	5.125%
4	6.469	723	727	734	rVB2	24059	35894	1.09%	0.100%
5	6.557	737	742	749	rBV	1250058	1643523	49.75%	4.557%
6	6.928	800	805	811	rVB	642123	860214	26.04%	2.385%
7	7.198	847	851	856	rVB2	57098	78172	2.37%	0.217%
8	7.322	866	872	875	rBV7	33530	64923	1.97%	0.180%
9	7.351	875	877	883	rVB2	33562	50295	1.52%	0.139%
10	7.481	889	899	910	rBV	1160603	1770670	53.59%	4.910%
11	7.569	910	914	918	rVB3	68478	102058	3.09%	0.283%
12	7.628	918	924	928	rBV3	50372	109351	3.31%	0.303%
13	7.704	934	937	939	rBV	52369	58845	1.78%	0.163%
14	7.734	939	942	949	rVB3	83986	126516	3.83%	0.351%
15	7.804	950	954	958	rBV4	44885	74391	2.25%	0.206%
16	7.851	958	962	965	rBV2	100595	119291	3.61%	0.331%
17	7.963	977	981	985	rBV3	49614	89932	2.72%	0.249%
18	8.034	990	993	997	rVB4	42624	57258	1.73%	0.159%
19	8.087	998	1002	1005	rBV2	84855	142401	4.31%	0.395%
20	8.210	1017	1023	1027	rBV	770276	1072676	32.47%	2.974%
21	8.269	1029	1033	1036	rVB	266504	298795	9.04%	0.828%
22	8.298	1036	1038	1045	rVB5	89338	154865	4.69%	0.429%
23	8.386	1046	1053	1055	rBV4	75347	168199	5.09%	0.466%
24	8.416	1055	1058	1065	rVB3	150139	224655	6.80%	0.623%
25	8.498	1069	1072	1078	rVB4	94474	156047	4.72%	0.433%
26	8.557	1079	1082	1084	rBV3	66725	84172	2.55%	0.233%
27	8.628	1090	1094	1105	rVB	610705	1121999	33.96%	3.111%
28	8.716	1106	1109	1111	rBV	88349	100240	3.03%	0.278%
29	8.751	1112	1115	1119	rBV2	164329	245032	7.42%	0.679%
30	8.957	1147	1150	1153	rBV4	124058	152784	4.62%	0.424%
31	9.086	1169	1172	1175	rBV5	145134	224134	6.78%	0.621%
32	9.204	1189	1192	1193	rBV	178780	182434	5.52%	0.506%
33	9.228	1193	1196	1201	rVV	794496	1010148	30.57%	2.801%
34	9.281	1201	1205	1210	rVV	2080929	2584246	78.22%	7.166%
35	9.369	1215	1220	1224	rBV	836825	1271234	38.48%	3.525%
36	9.686	1269	1274	1280	rBV2	1438594	2263388	68.51%	6.276%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.839	1296	1300	1302	rBV	324550	504473	15.27%	1.399%
38	9.963	1318	1321	1325	rVB	870314	1167841	35.35%	3.238%
39	10.222	1362	1365	1372	rVB2	338769	521739	15.79%	1.447%
40	10.380	1389	1392	1396	rBV3	216501	278057	8.42%	0.771%
41	10.616	1428	1432	1437	rVB	934772	1288735	39.01%	3.573%
42	10.675	1439	1442	1446	rVB	413521	493651	14.94%	1.369%
43	10.757	1452	1456	1462	rVB	887185	1100420	33.31%	3.051%
44	10.880	1473	1477	1485	rVB	1810185	2631769	79.66%	7.297%
45	11.345	1552	1556	1562	rVB	1028038	1502117	45.47%	4.165%
46	11.457	1571	1575	1579	rBV	629280	804903	24.36%	2.232%
47	11.698	1613	1616	1620	rVB2	274453	351586	10.64%	0.975%
48	13.033	1839	1843	1852	rVB	1370489	1804778	54.63%	5.004%
49	14.092	2019	2023	2036	rVB	417865	588874	17.82%	1.633%
50	14.551	2098	2101	2106	rVB	28904	36234	1.10%	0.100%
51	14.945	2165	2168	2176	rVB	22722	33537	1.02%	0.093%
52	15.215	2210	2214	2220	rVB	30755	49023	1.48%	0.136%
53	15.592	2272	2278	2289	rBV	444777	720319	21.80%	1.997%

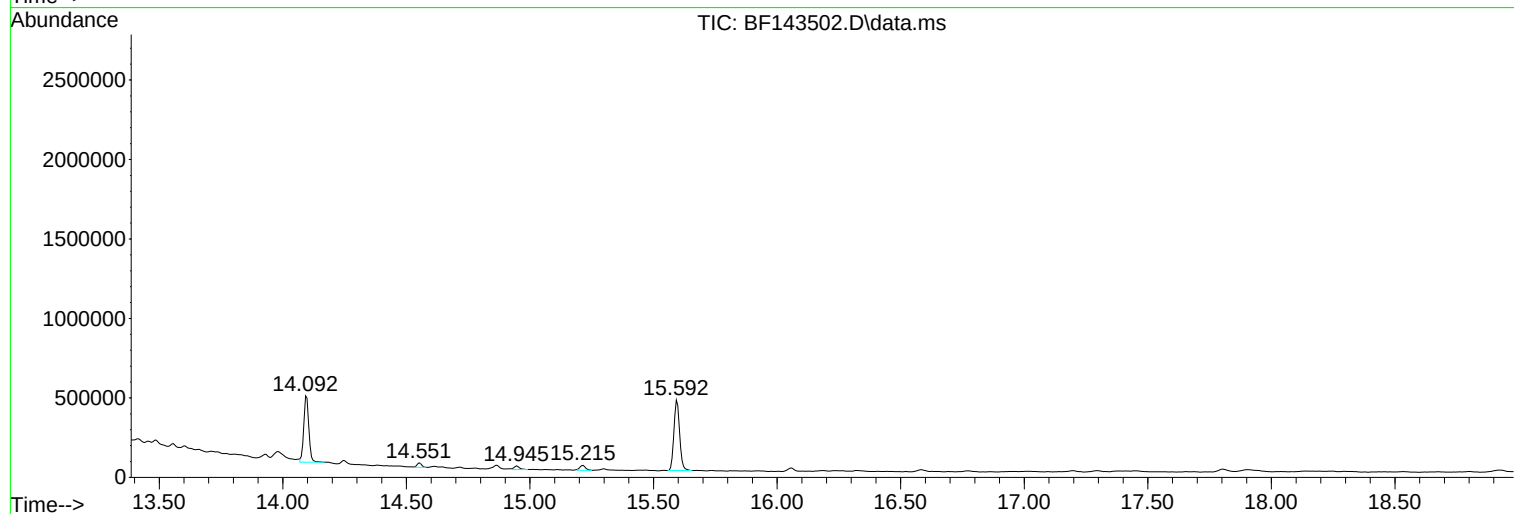
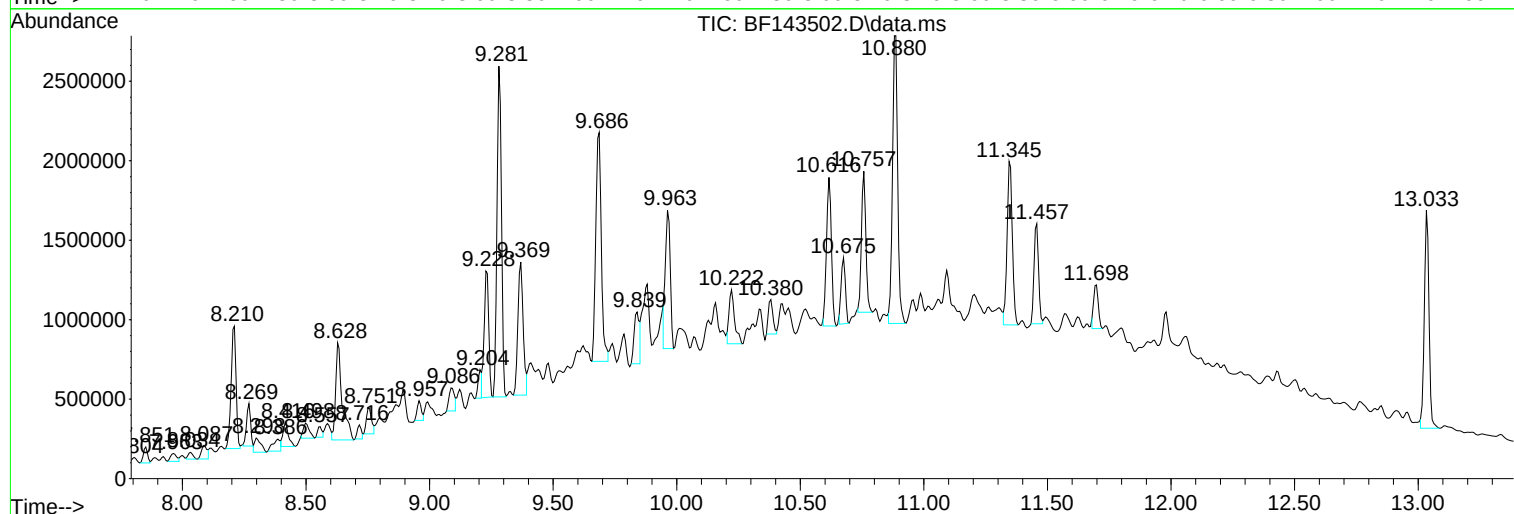
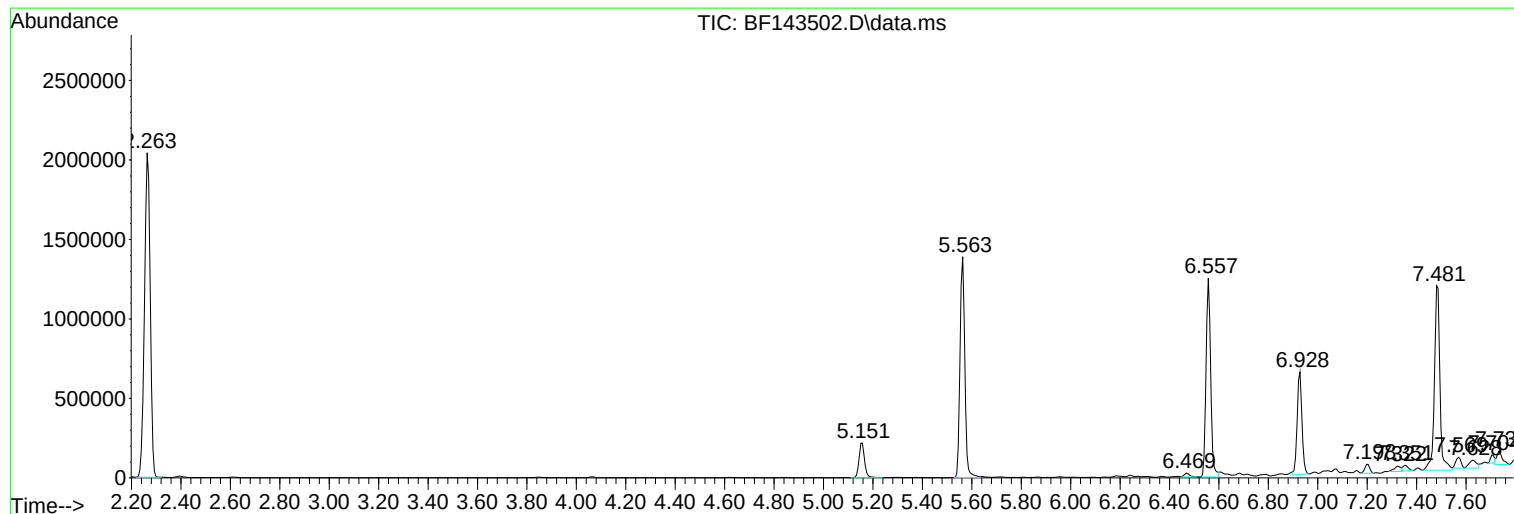
Sum of corrected areas: 36064671

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

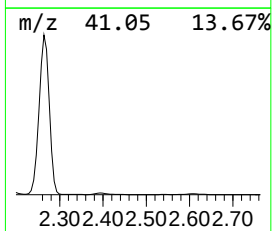
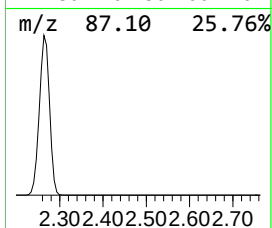
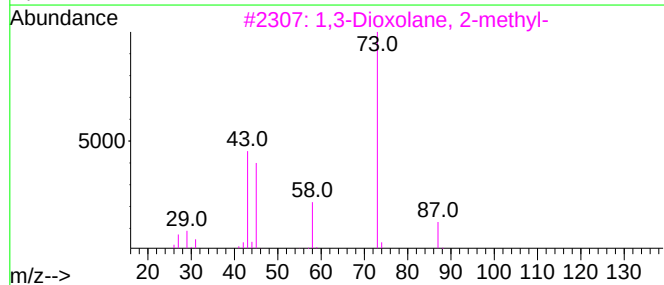
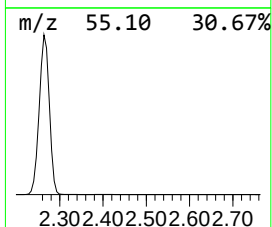
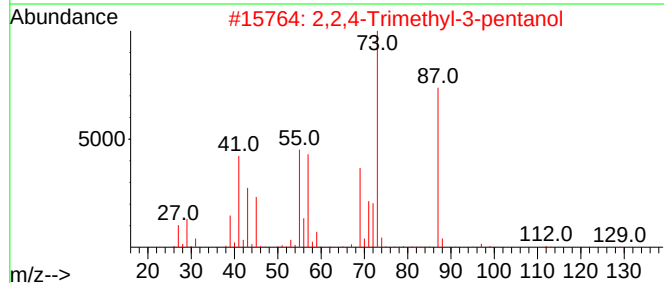
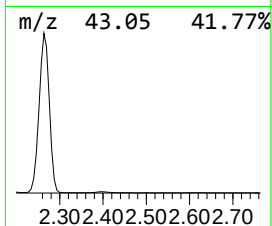
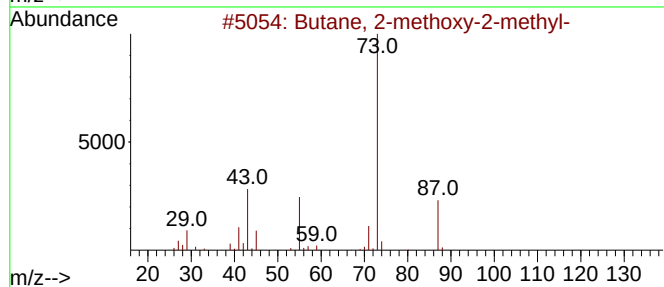
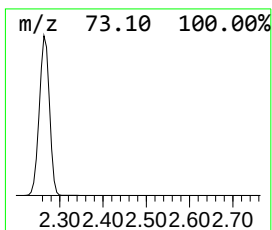
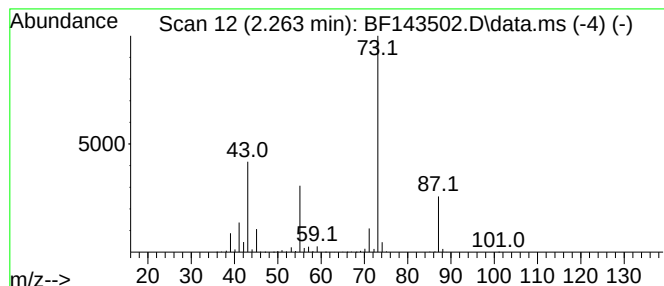
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.263	76.82 ng	3303880	1,4-Dichlorobenzene-d4	6.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

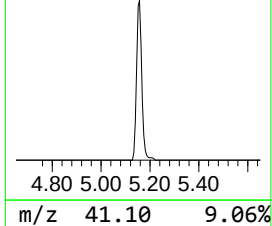
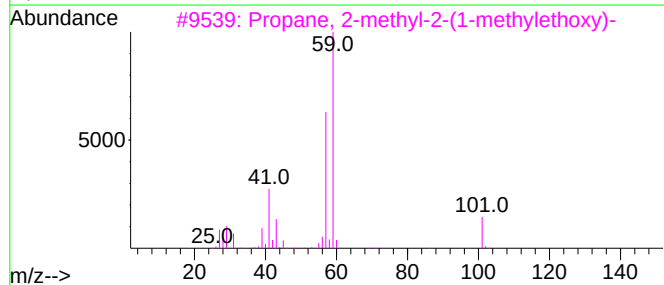
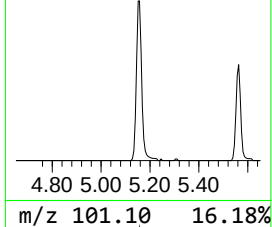
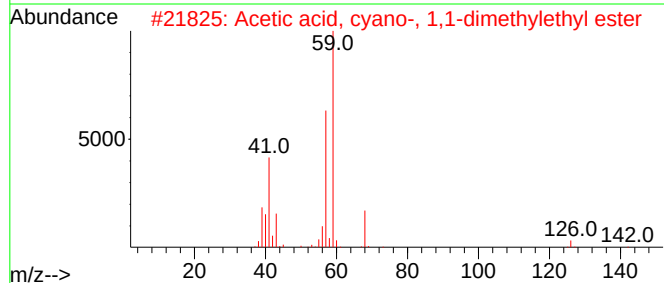
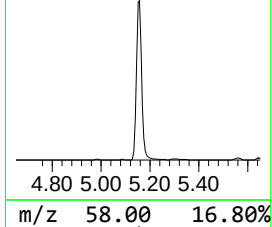
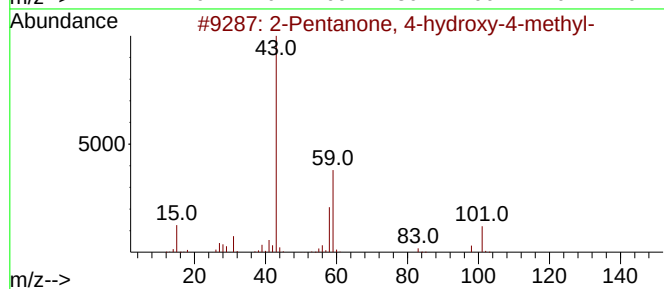
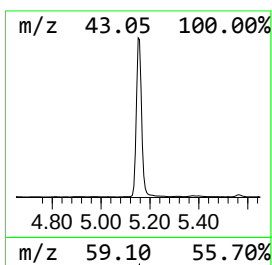
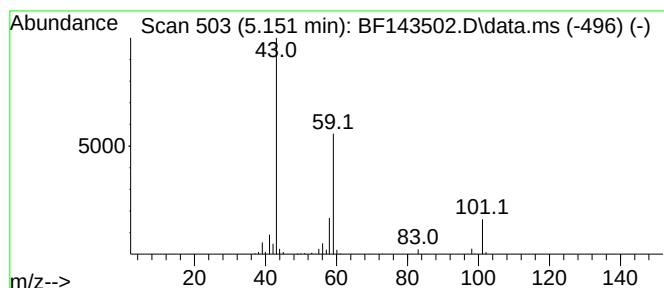
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ClientSampleId :
TW-22M-S

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

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.151	7.80 ng	335618	1,4-Dichlorobenzene-d4	6.928	
Hit# of 5	Tentative ID		MW MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116 C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...		141 C7H11NO2	001116-98-9	37
3	Propane, 2-methyl-2-(1-methyleth...		116 C7H16O	017348-59-3	36
4	2-Hexanol, 2-methyl-		116 C7H16O	000625-23-0	28
5	Acetic acid, 1,1-dimethylethyl e...		116 C6H12O2	000540-88-5	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

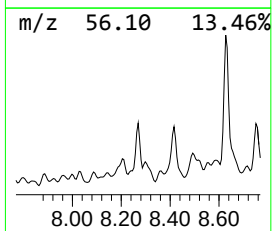
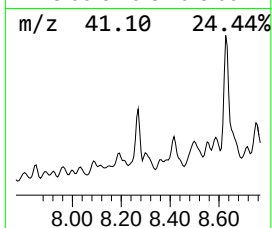
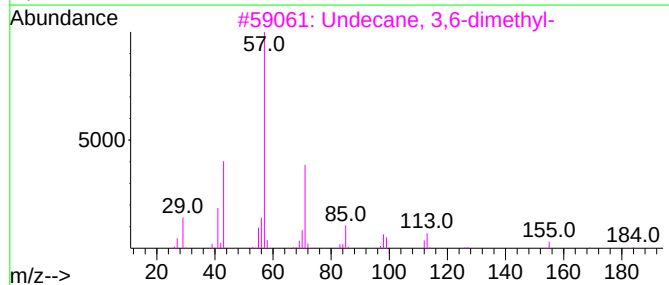
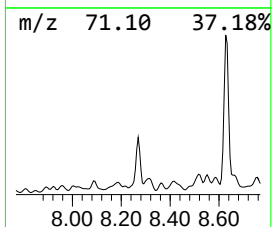
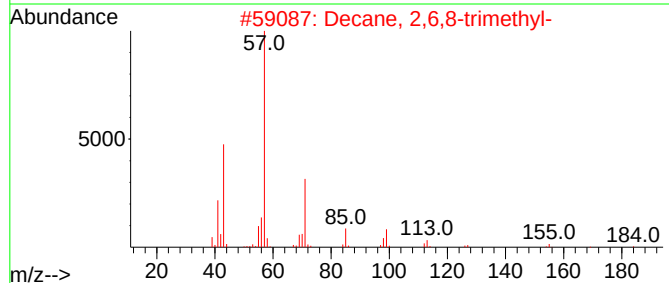
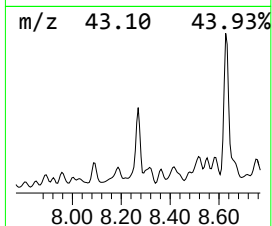
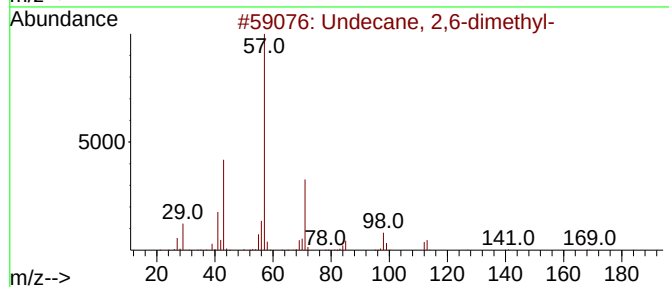
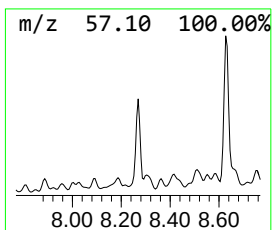
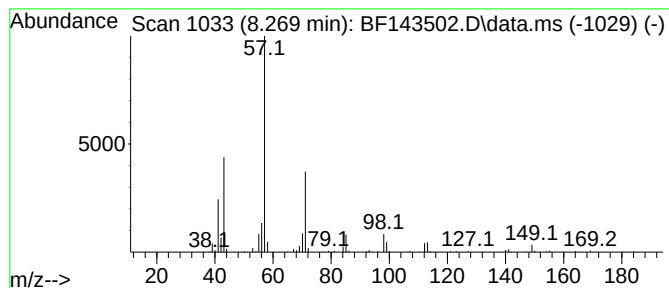
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Undecane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.269	5.57 ng	298795	Naphthalene-d8	8.210

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	72
3		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	68
5		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

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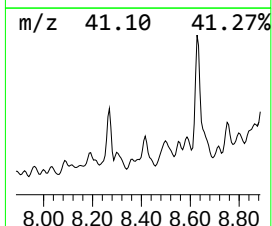
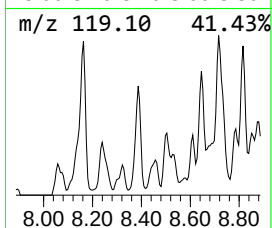
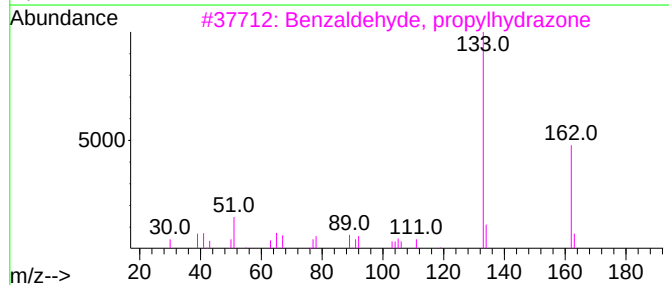
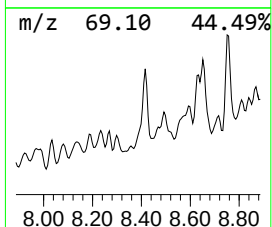
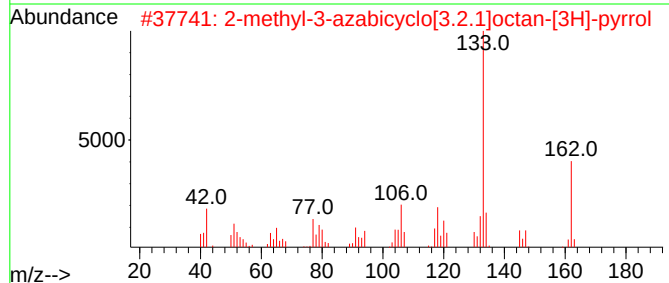
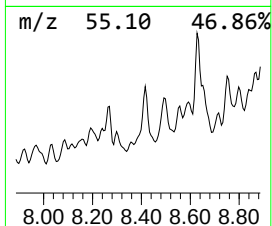
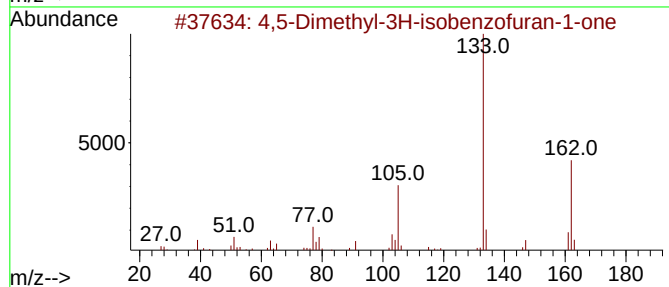
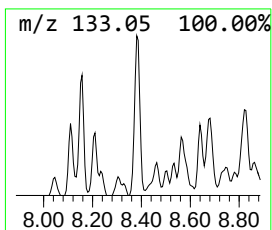
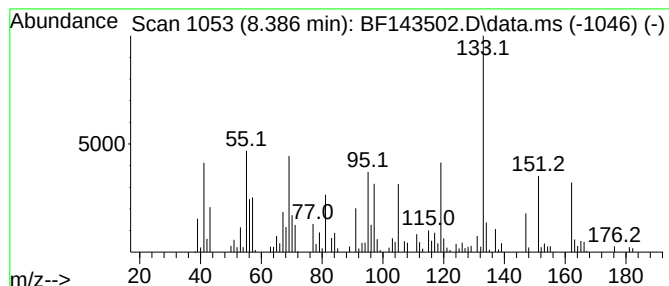
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown8.386 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.386	3.14 ng	168199	Naphthalene-d8	8.210

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dimethyl-3H-isobenzofuran-1-one	162	C10H10O2	1000188-08-0	49		
2	2-methyl-3-azabicyclo[3.2.1]octa...	162	C10H14N2	1000451-79-1	35		
3	Benzaldehyde, propylhydrazone	162	C10H14N2	022162-27-2	35		
4	Benzene, (1-ethyl-1-methylpropyl)-	162	C12H18	001985-97-3	35		
5	3-Phenyl-2-penten-1-ol	162	C11H14O	105330-11-8	35		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

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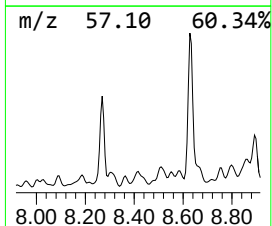
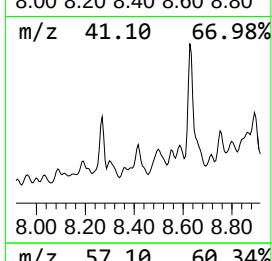
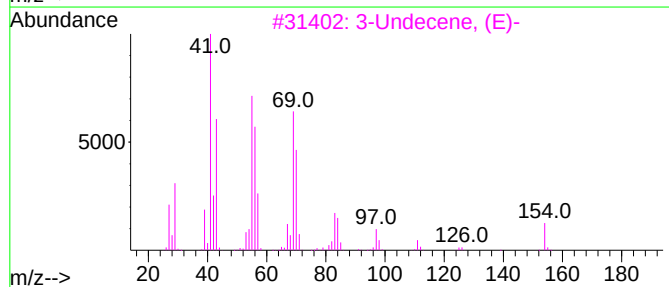
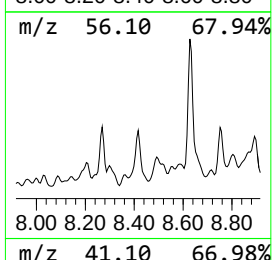
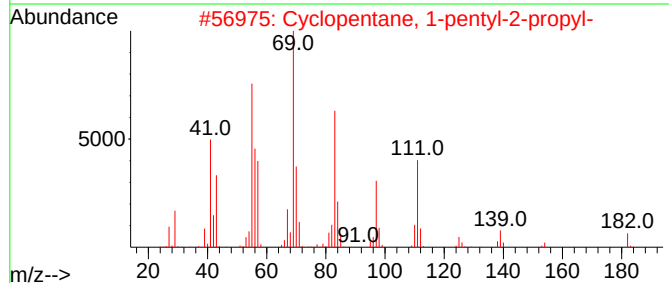
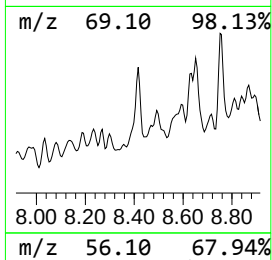
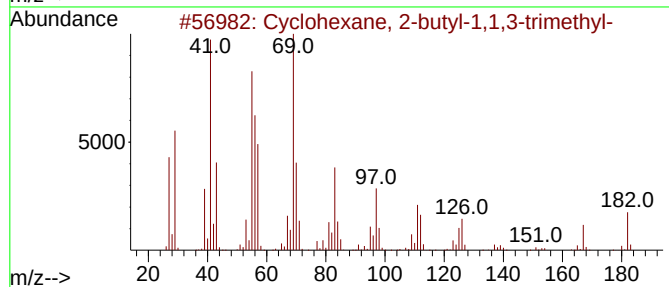
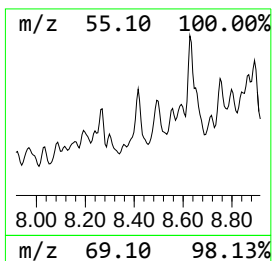
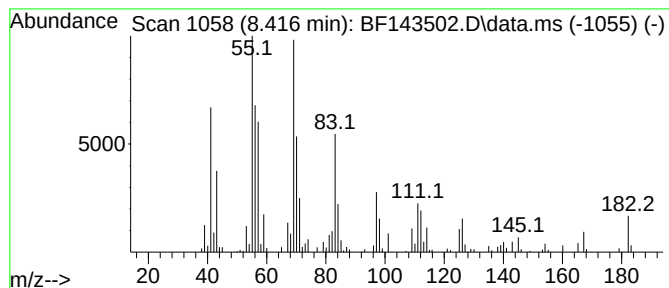
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.416	4.19 ng	224655	Naphthalene-d8	8.210

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	93
2			Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	83
3			3-Undecene, (E)-	154	C11H22	001002-68-2	58
4			Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	52
5			4-Nonene, 5-butyl-	182	C13H26	007367-38-6	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-22M-S

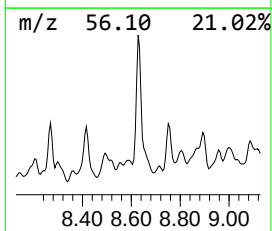
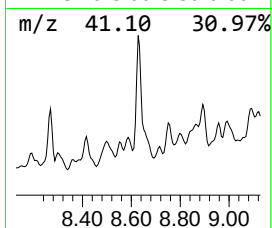
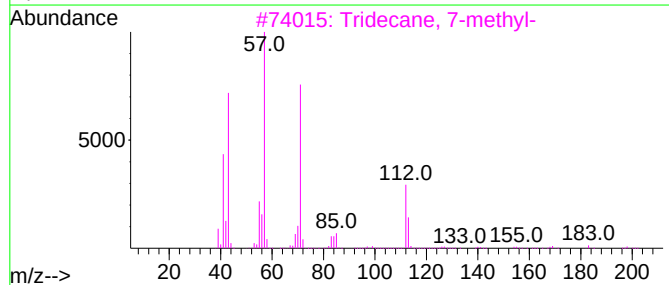
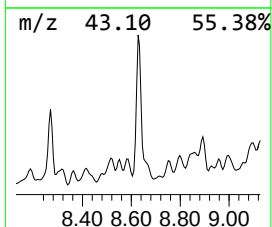
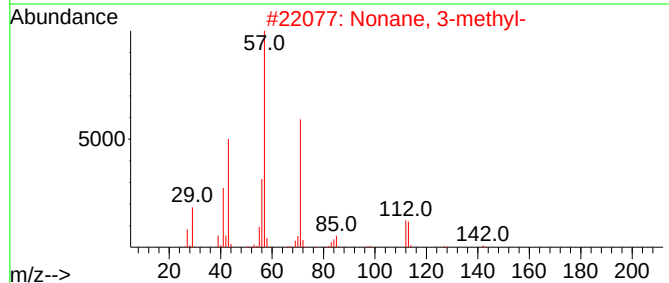
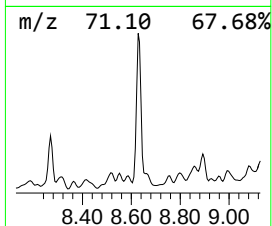
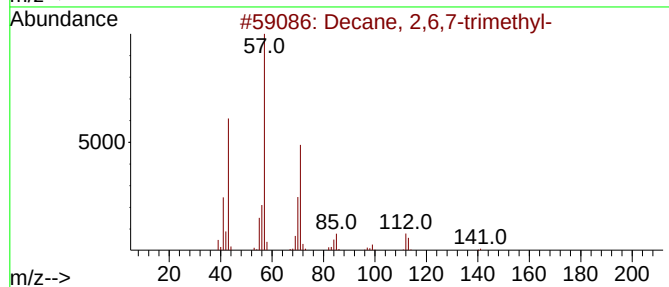
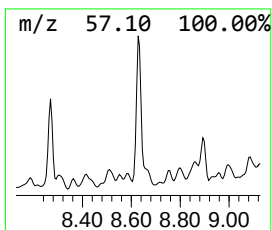
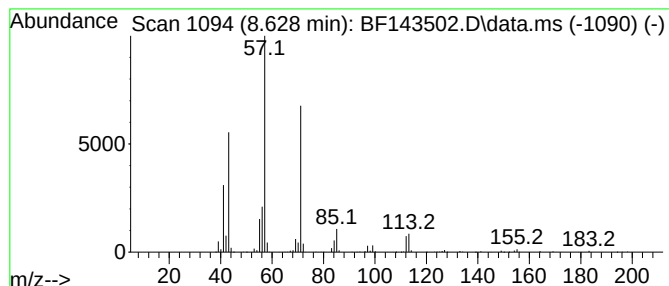
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Decane, 2,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.628	20.92 ng	1122000	Naphthalene-d8	8.210

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	83
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	78
3		Tridecane, 7-methyl-	198	C14H30	026730-14-3	78
4		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	78
5		Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-22M-S

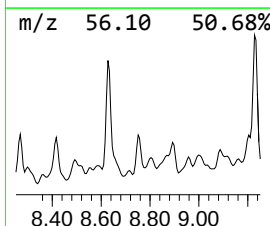
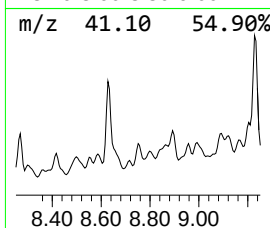
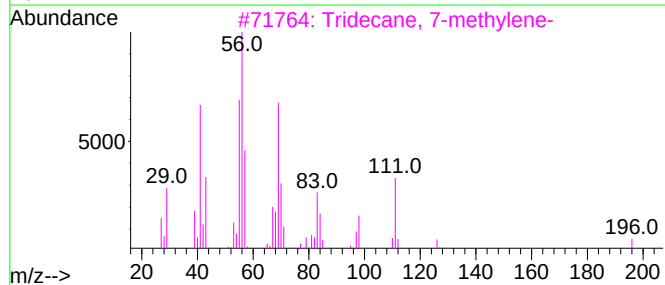
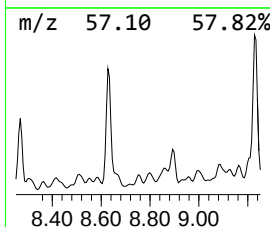
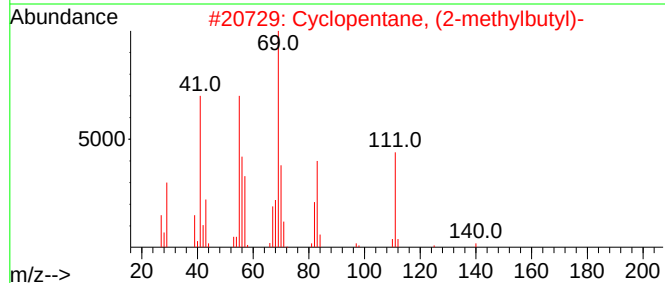
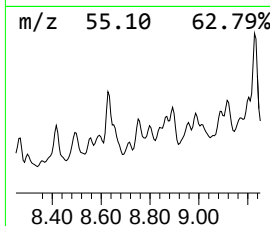
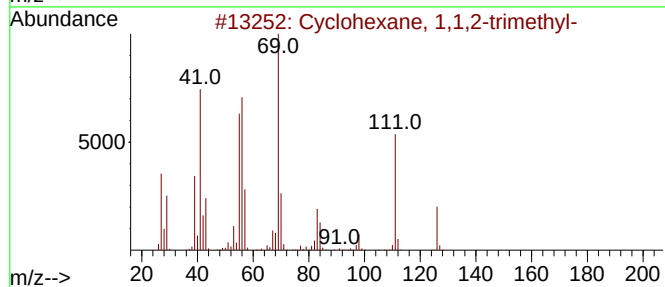
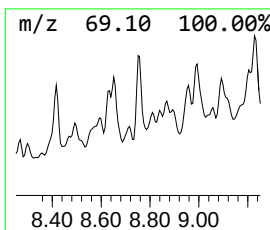
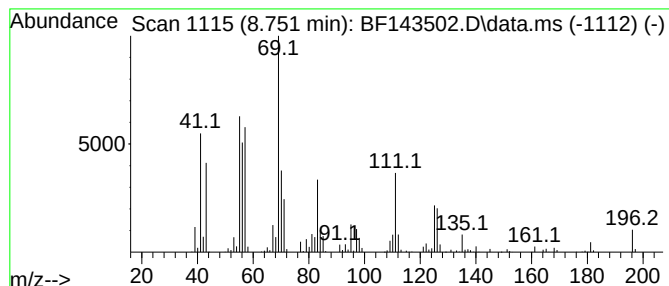
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclohexane, 1,1,2-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.751	4.57 ng	245032	Naphthalene-d8	8.210

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	68
2			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	62
3			Tridecane, 7-methylene-	196	C14H28	019780-80-4	60
4			6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	55
5			1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
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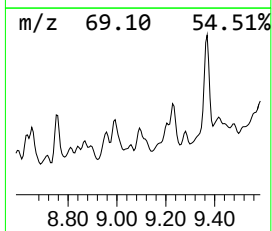
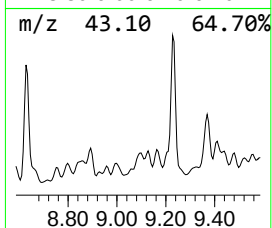
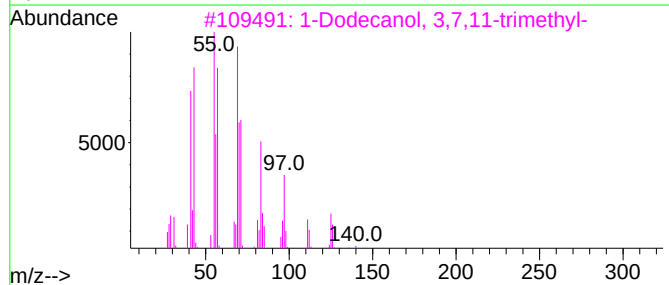
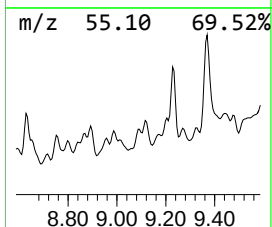
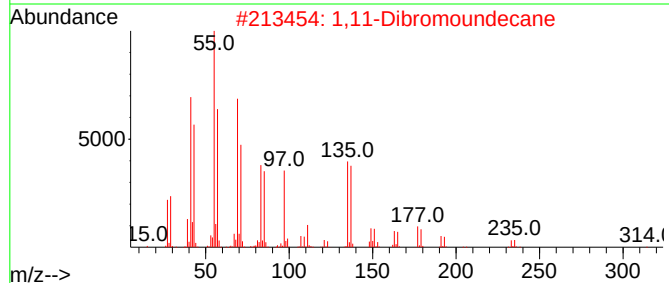
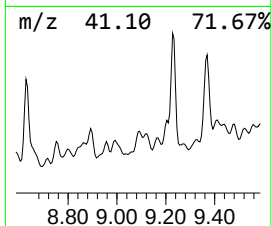
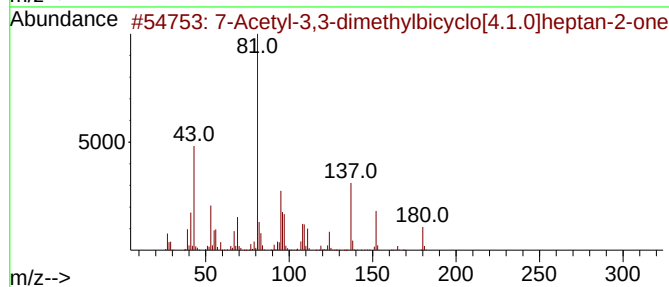
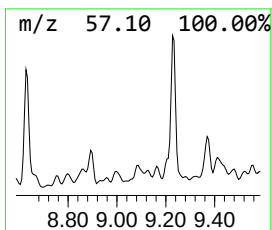
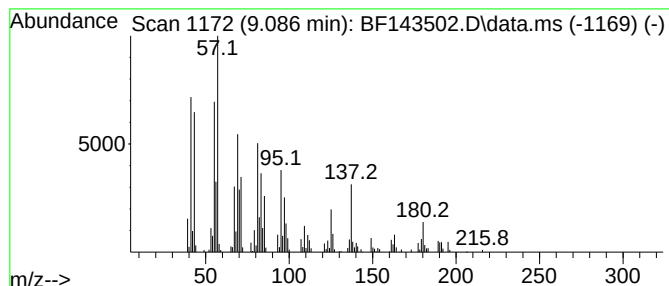
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown9.086 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.086	4.18 ng	224134	Naphthalene-d8	8.210

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Acetyl-3,3-dimethylbicyclo[4.1...	180	C11H16O2	1000185-00-8	45		
2	1,11-Dibromoundecane	312	C11H22Br2	016696-65-4	43		
3	1-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	006750-34-1	38		
4	Carbonic acid, isobutyl pentadec...	328	C20H40O3	1000314-61-2	35		
5	6-Tetradecene, (E)-	196	C14H28	041446-64-4	30		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-22M-S

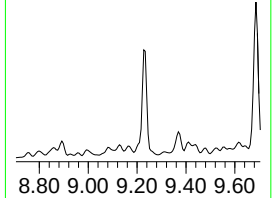
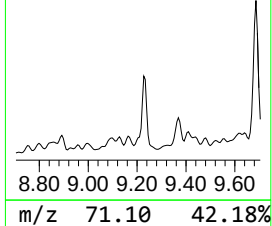
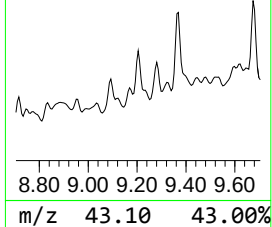
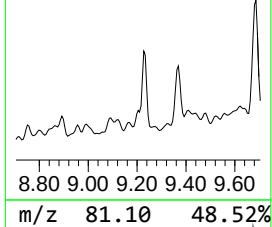
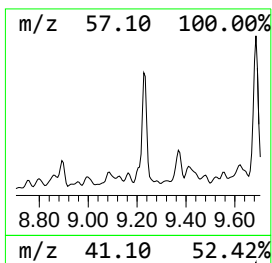
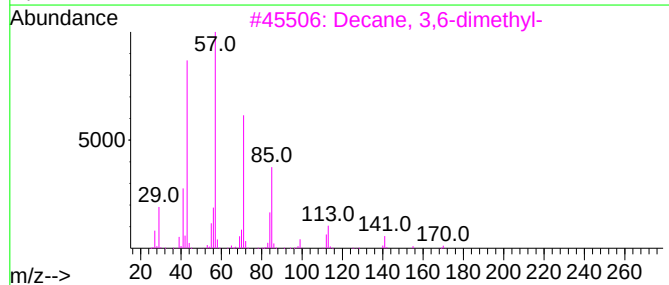
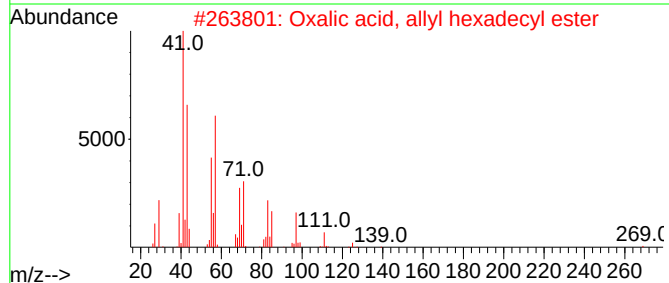
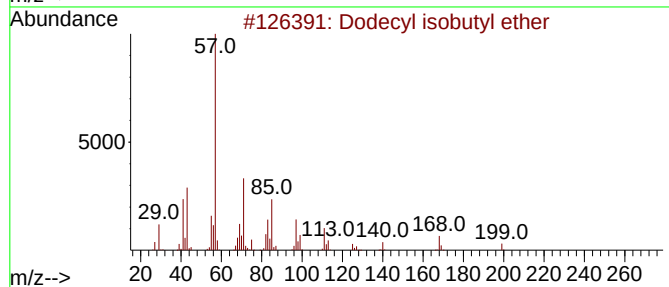
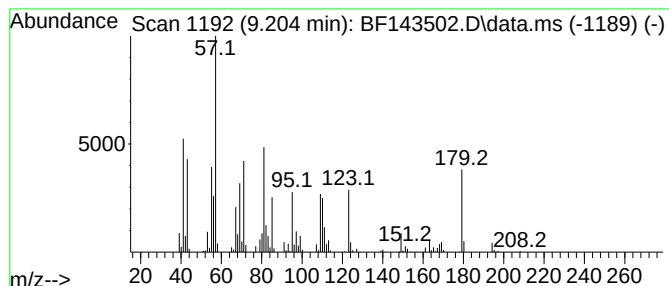
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown9.204 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.204	3.12 ng	182434	Acenaphthene-d10	9.969

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecyl isobutyl ether	242	C16H34O	1000406-32-6	22
2			Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	22
3			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	18
4			4-Fluorophenethyl alcohol, tert....	196	C12H17FO	1000394-94-8	14
5			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

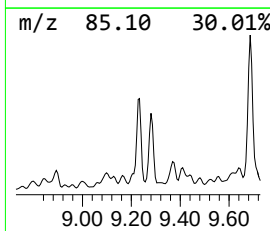
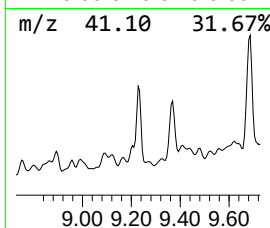
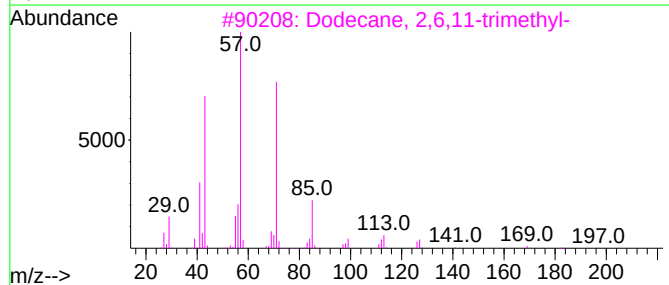
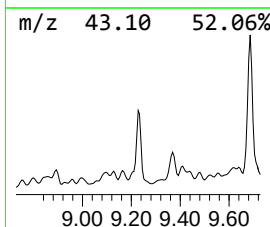
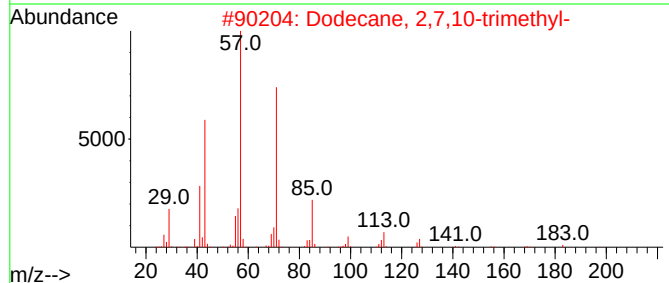
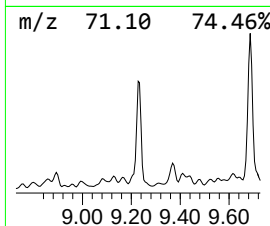
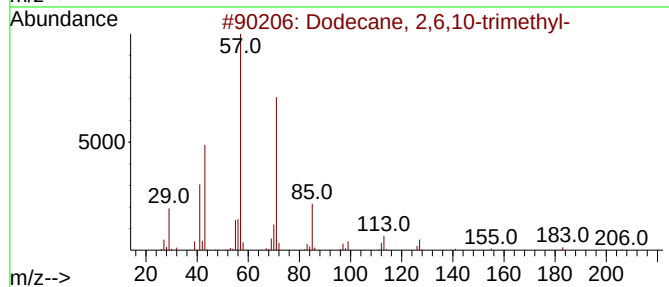
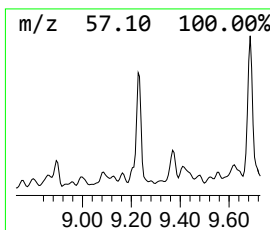
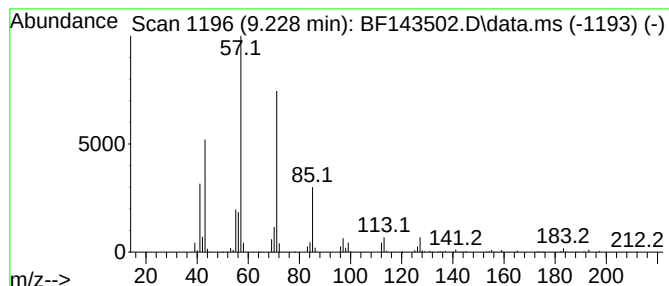
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dodecane, 2,6,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.228	17.30 ng	1010150	Acenaphthene-d10	9.969

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
4		Decane, 5-propyl-	184	C13H28	017312-62-8	86
5		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
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Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-22M-S

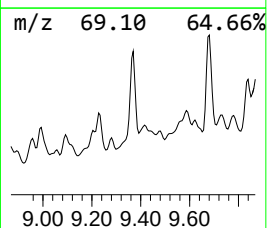
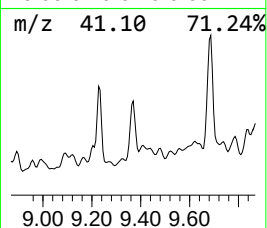
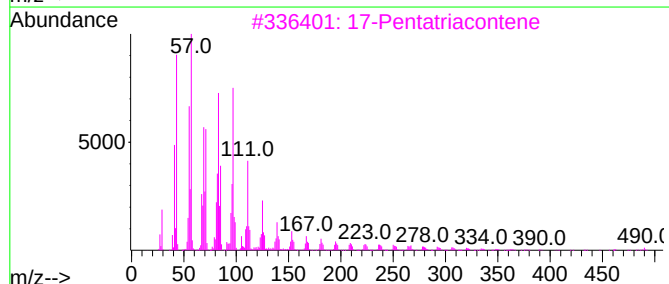
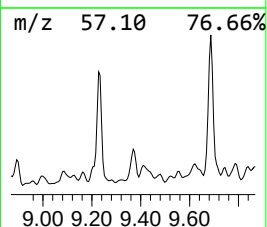
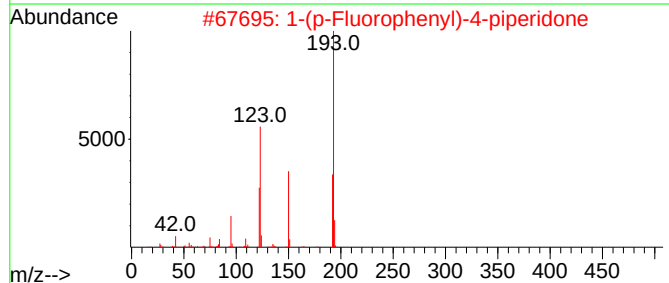
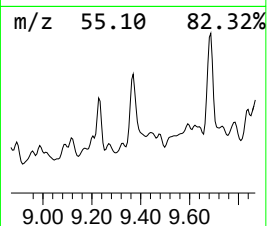
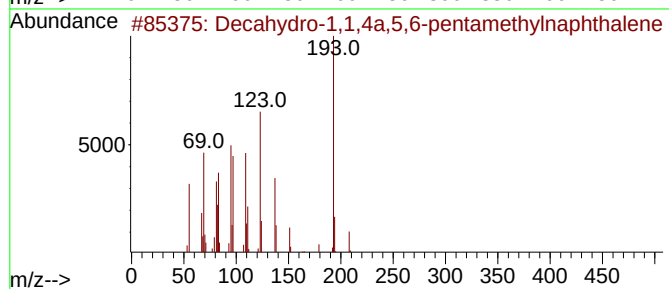
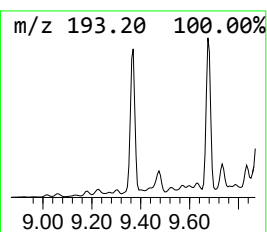
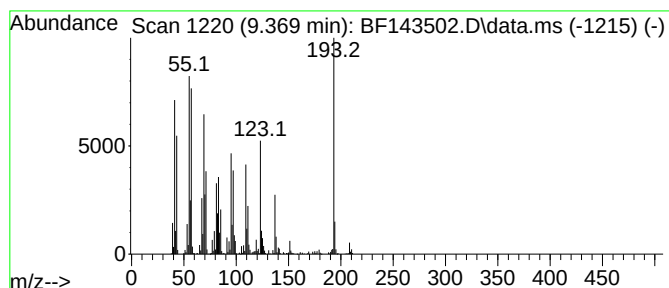
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown9.369 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.369	21.77 ng	1271230	Acenaphthene-d10	9.969

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	30
2		1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	30
3		17-Pentatriacontene	491	C35H70	006971-40-0	25
4		2H-Spiro[1-benzofuran-3,2'-[1,3]...	193	C10H11NO3	1000387-33-4	25
5		3-Methyl-2-(2-oxopropyl)furan	138	C8H10O2	087773-62-4	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
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Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

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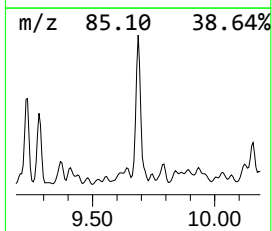
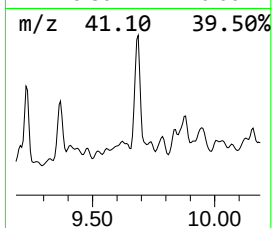
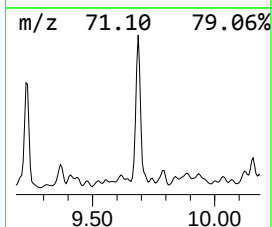
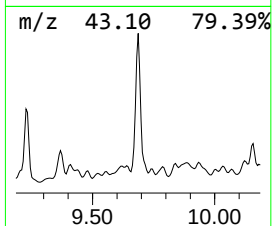
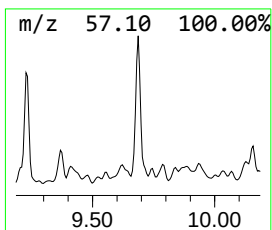
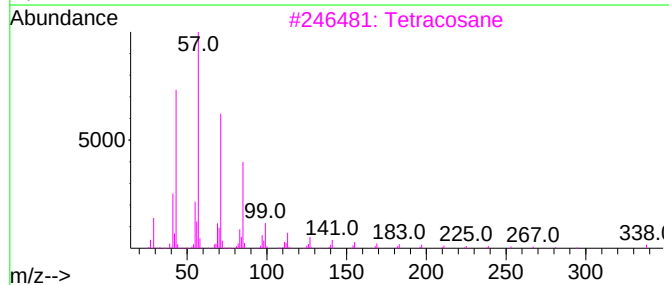
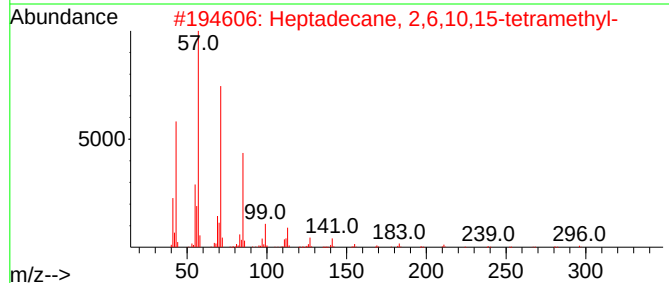
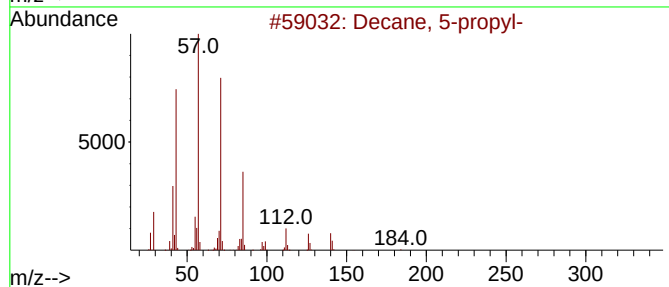
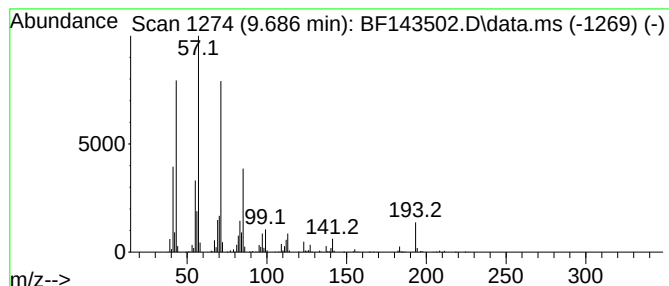
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Decane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.686	38.76 ng	2263390	Acenaphthene-d10	9.969

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 5-propyl-	184	C13H28	017312-62-8	83
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
3		Tetracosane	338	C24H50	000646-31-1	80
4		Sulfurous acid, decyl pentyl ester	292	C15H32O3S	1000309-14-3	72
5		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
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Sample : Q2815-12
Misc :
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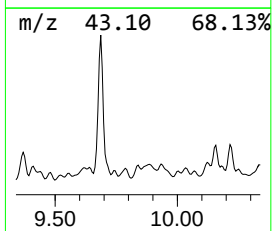
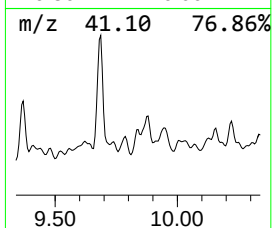
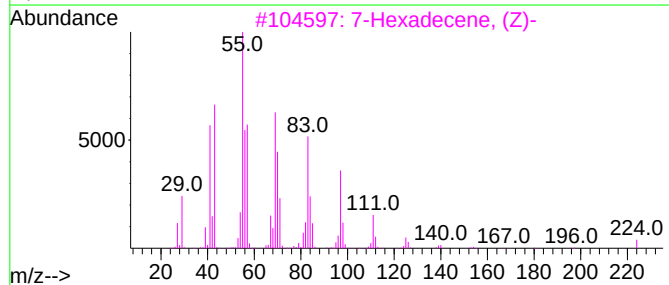
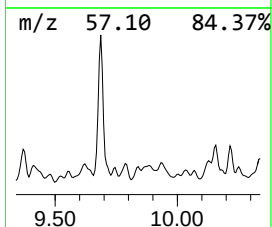
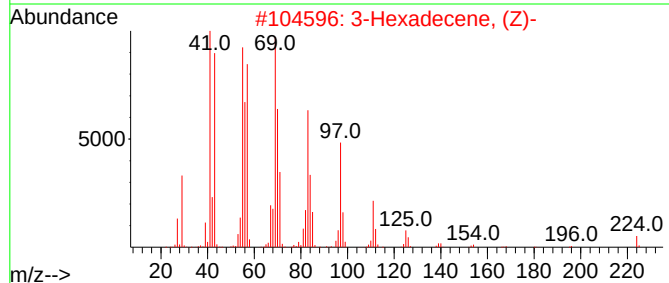
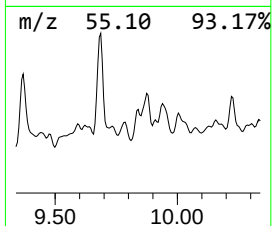
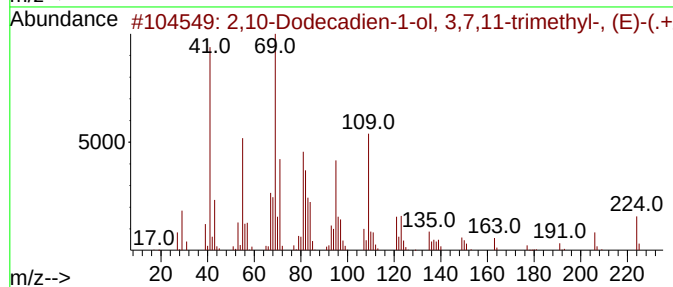
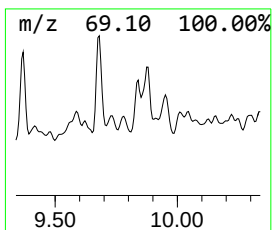
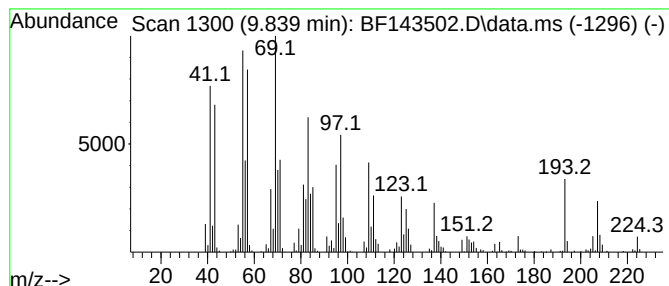
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown9.839 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.839	8.64 ng	504473	Acenaphthene-d10	9.969	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,10-Dodecadien-1-ol, 3,7,11-tri...	224	C15H28O	020576-59-4	49
2	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	46
3	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	42
4	4-Heptafluorobutyroxytetradecane	410	C18H29F7O2	1000245-49-9	41
5	1-Cyclohexyl-1-(4-methylcyclohex...	208	C15H28	002027-12-5	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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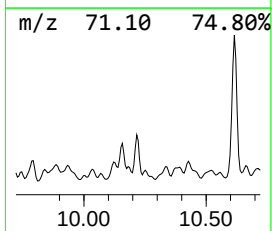
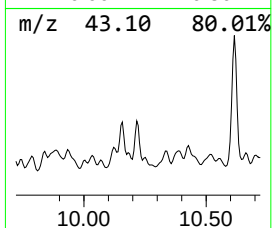
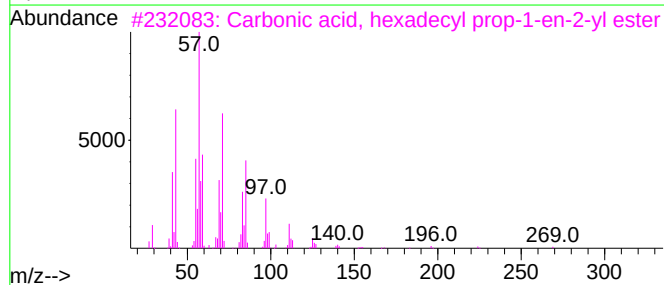
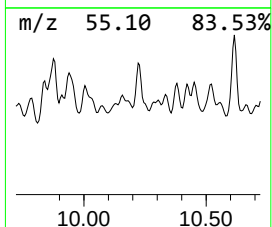
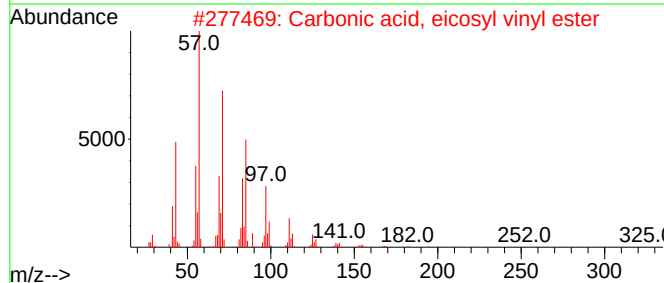
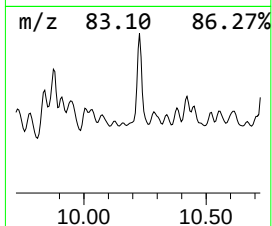
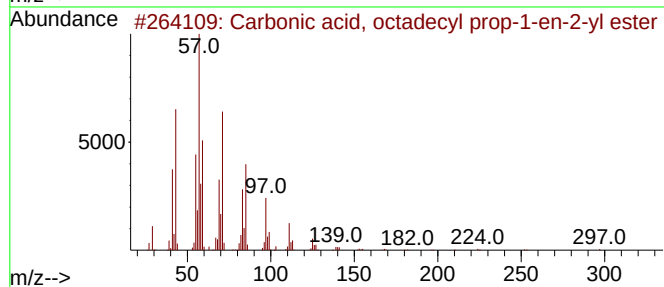
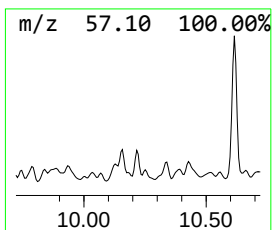
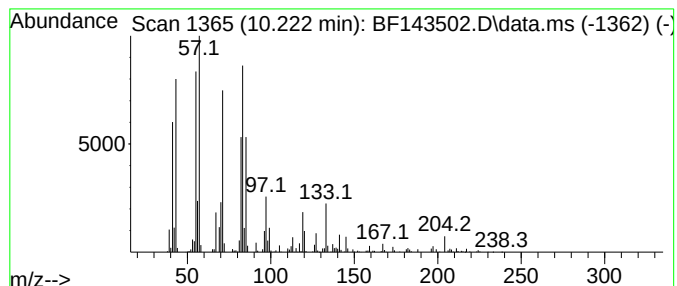
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown10.222 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.222	8.94 ng	521739	Acenaphthene-d10	9.969

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	46
2		Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	46
3		Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	43
4		Tritetracontane	605	C43H88	007098-21-7	43
5		Octacosane	394	C28H58	000630-02-4	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
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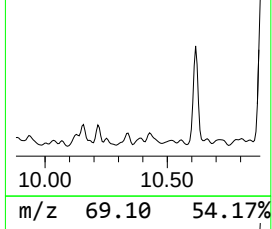
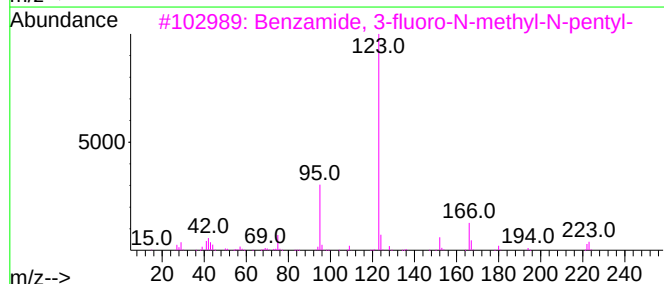
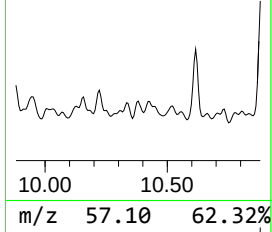
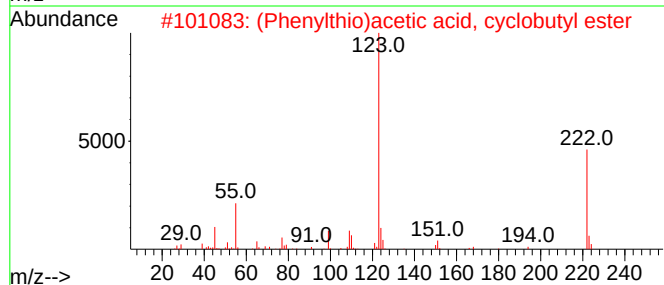
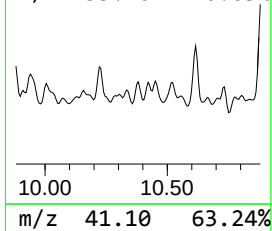
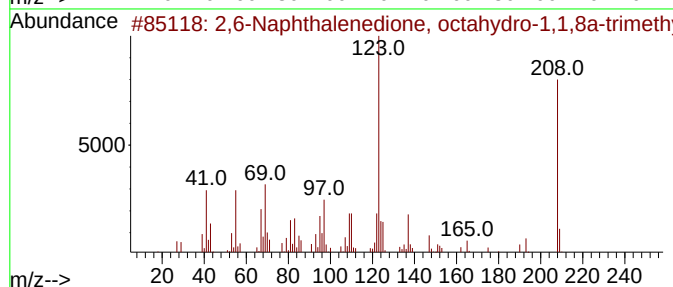
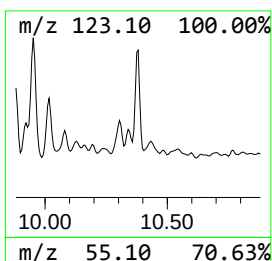
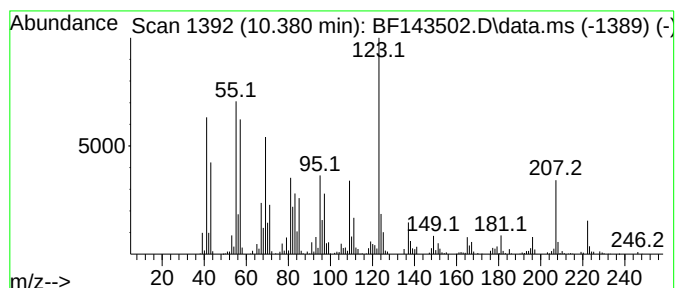
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 2,6-Naphthalenedione, octah... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.381	4.76 ng	278057	Acenaphthene-d10	9.969	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Naphthalenedione, octahydro-...	208	C13H20O2	057289-16-4	58
2	(Phenylthio)acetic acid, cyclobu...	222	C12H14O2S	1010299-95-5	46
3	Benzamide, 3-fluoro-N-methyl-N-p...	223	C13H18FNO	1000421-36-9	43
4	Cyclopent-2-ene-1-carboxylic aci...	196	C12H20O2	1000195-65-4	38
5	Butanamide, N-(2-methoxyphenyl)-...	207	C11H13NO3	000092-15-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

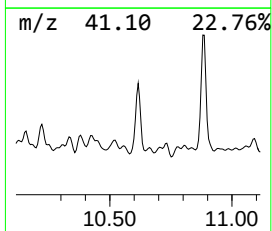
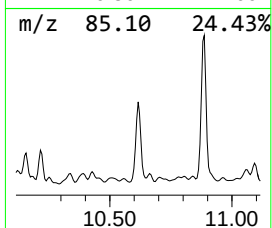
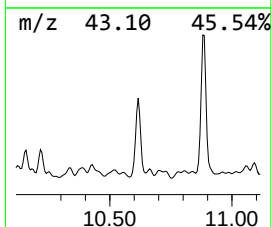
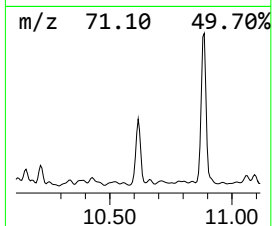
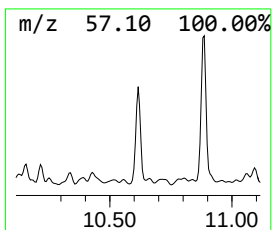
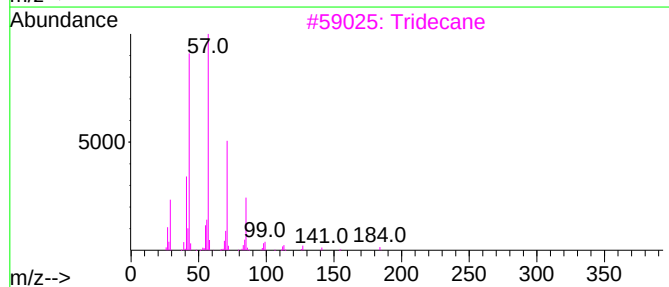
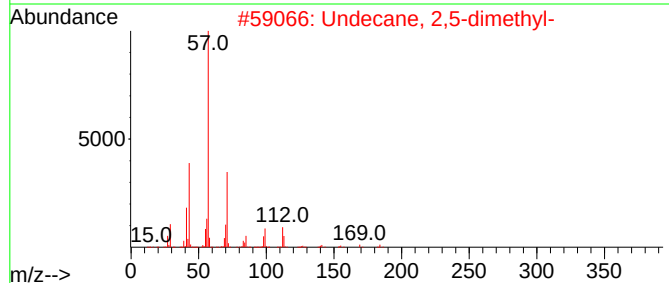
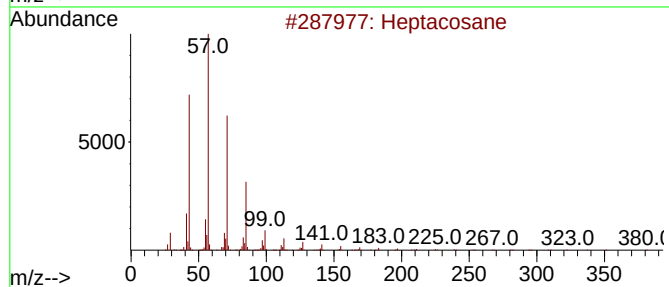
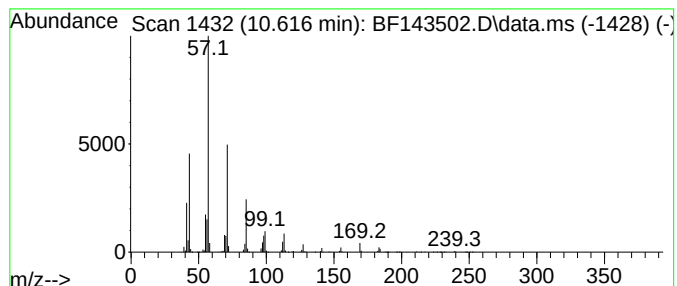
Instrument :
BNA_F
ClientSampleId :
TW-22M-S

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

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

Peak Number 16 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.616	22.07 ng	1288740	Acenaphthene-d10	9.969	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	86
2	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
3	Tridecane	184	C13H28	000629-50-5	72
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
5	Heneicosane	296	C21H44	000629-94-7	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

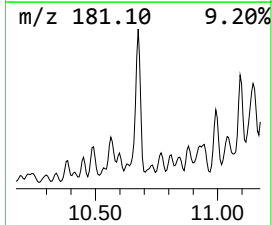
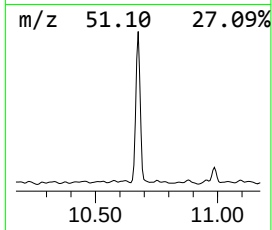
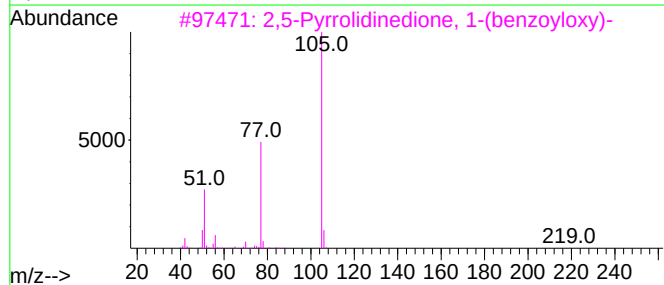
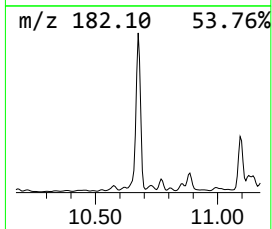
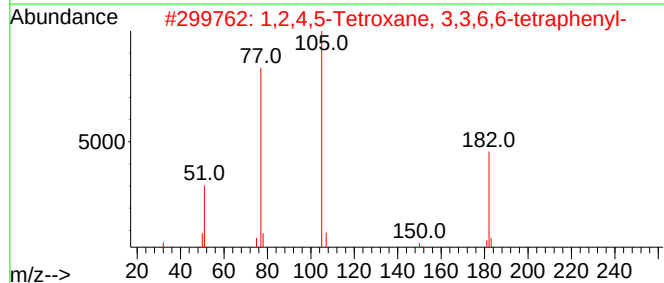
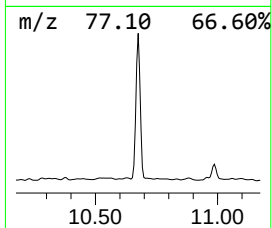
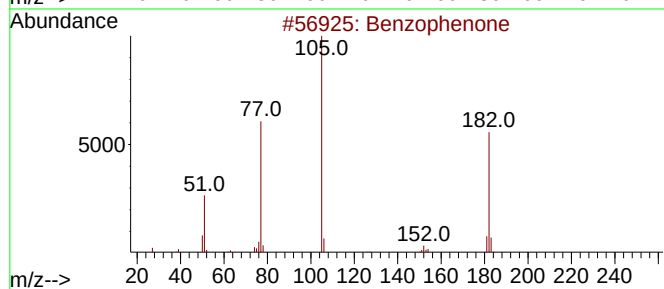
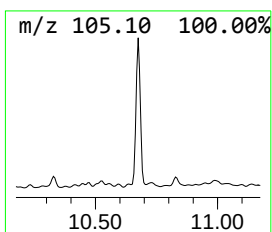
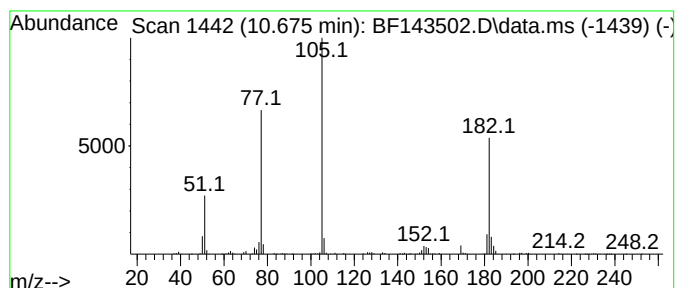
Instrument :
BNA_F
ClientSampleId :
TW-22M-S

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

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

Peak Number 17 Benzophenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.675	8.45 ng	493651	Acenaphthene-d10		9.969	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzophenone		182	C13H10O	000119-61-9	95
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...		396	C26H20O4	016204-36-7	78
3	2,5-Pyrrolidinedione, 1-(benzoyl...		219	C11H9NO4	023405-15-4	46
4	Benzenecarbothioic acid, S-methy...		152	C8H8OS	005925-68-8	43
5	1,2-Propanedione, 1-phenyl-		148	C9H8O2	000579-07-7	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

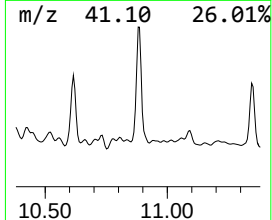
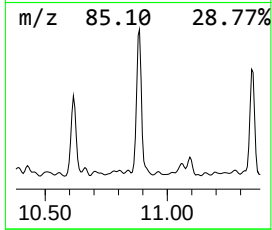
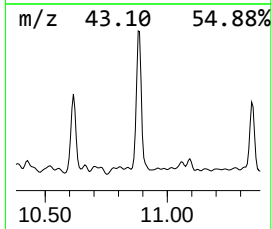
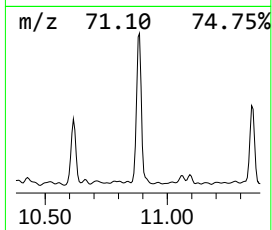
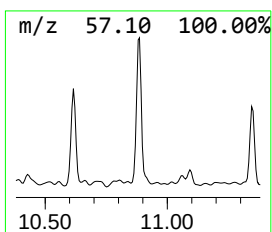
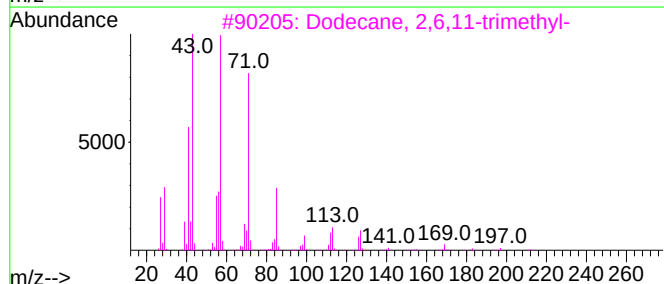
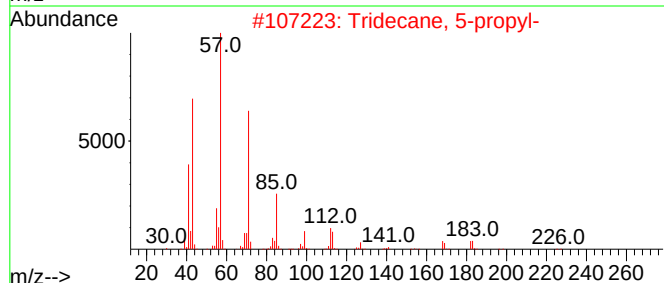
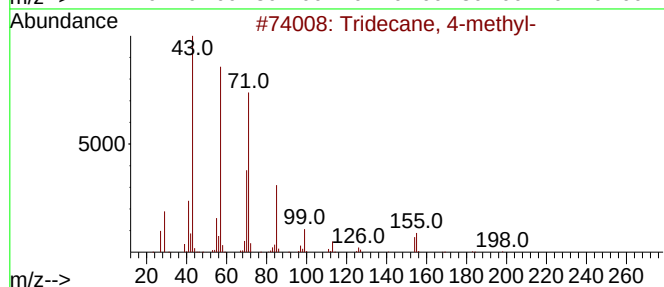
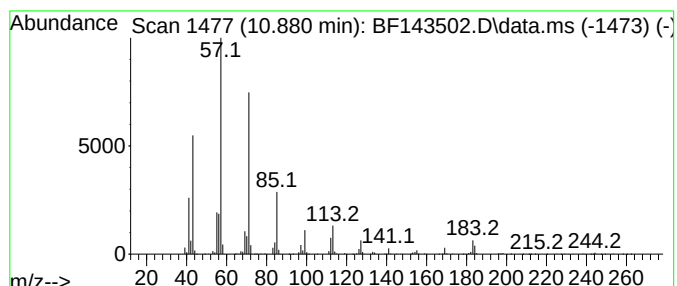
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tridecane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.881	65.39 ng	2631770	Phenanthrene-d10	11.457

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

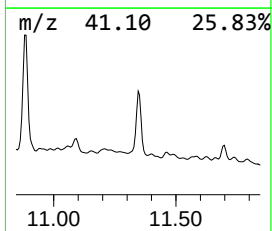
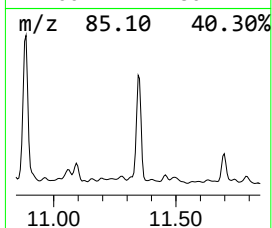
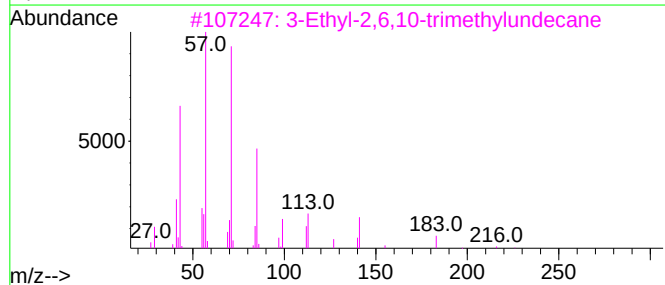
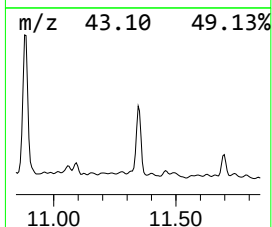
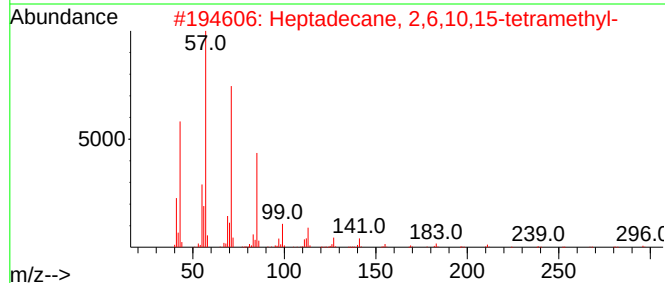
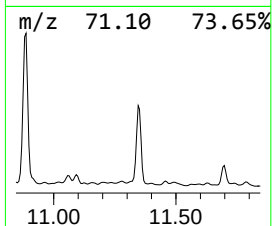
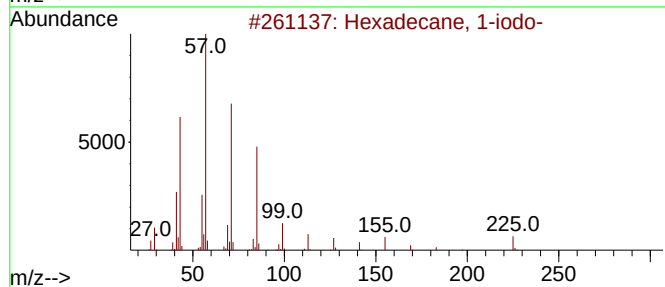
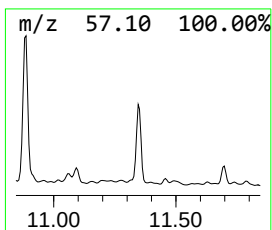
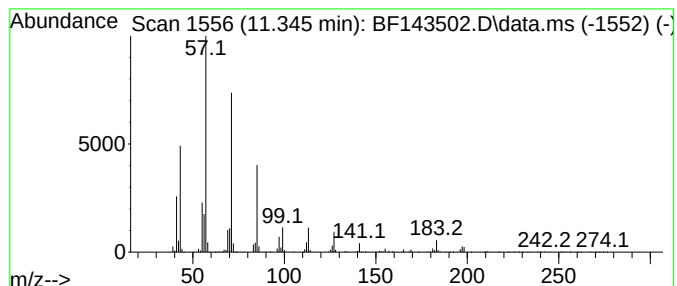
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hexadecane, 1-iodo- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.345	37.32 ng	1502120	Phenanthrene-d10	11.457

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	90
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3		3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	86
4		Heptadecane, 7-methyl-	254	C18H38	020959-33-5	86
5		Tridecane	184	C13H28	000629-50-5	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

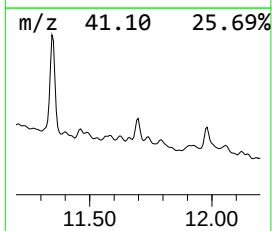
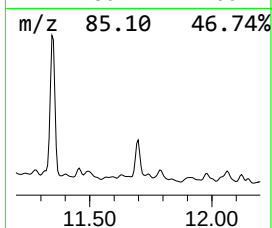
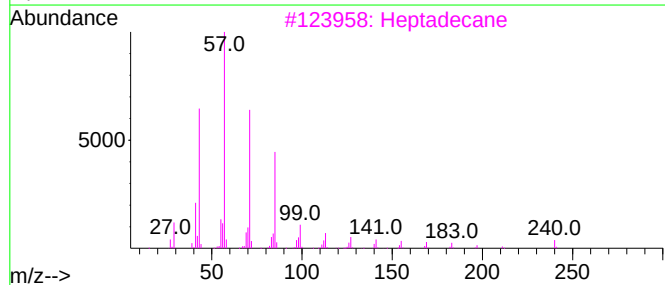
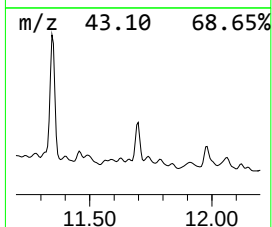
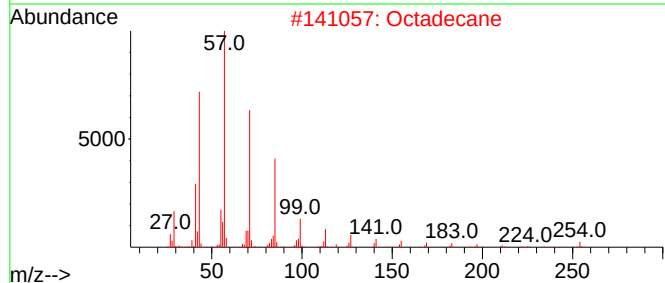
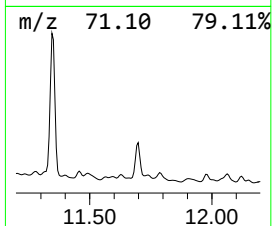
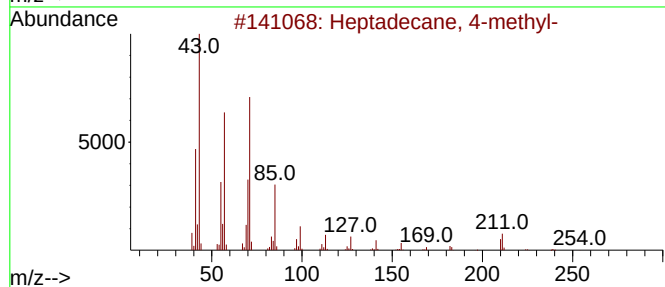
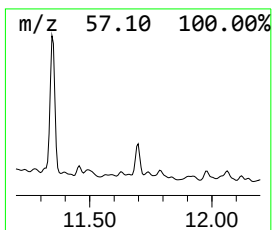
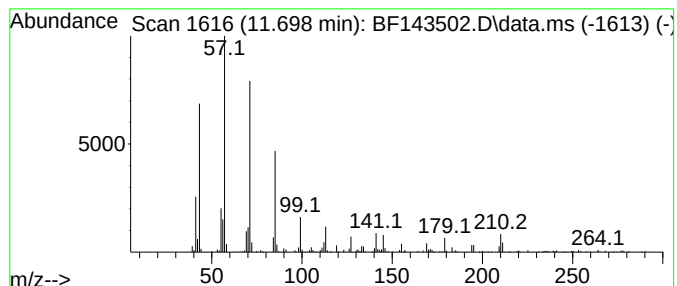
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heptadecane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.698	8.74 ng	351586	Phenanthrene-d10	11.457

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 4-methyl-	254	C18H38	026429-11-8	93
2		Octadecane	254	C18H38	000593-45-3	91
3		Heptadecane	240	C17H36	000629-78-7	87
4		Hexacosane	366	C26H54	000630-01-3	86
5		Pentacosane	352	C25H52	000629-99-2	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143502.D
Acq On : 21 Aug 2025 00:00
Operator : RC/JU
Sample : Q2815-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-22M-S

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.263	76.8	ng	3303880	1	6.928	860214	20.0
2-Pentanone, 4-...	5.151	7.8	ng	335618	1	6.928	860214	20.0
Undecane, 2,6-d...	8.269	5.6	ng	298795	2	8.210	1072680	20.0
unknown8.386	8.386	3.1	ng	168199	2	8.210	1072680	20.0
Cyclohexane, 2-...	8.416	4.2	ng	224655	2	8.210	1072680	20.0
Decane, 2,6,7-t...	8.628	20.9	ng	1122000	2	8.210	1072680	20.0
Cyclohexane, 1,...	8.751	4.6	ng	245032	2	8.210	1072680	20.0
unknown9.086	9.086	4.2	ng	224134	2	8.210	1072680	20.0
unknown9.204	9.204	3.1	ng	182434	3	9.969	1167840	20.0
Dodecane, 2,6,1...	9.228	17.3	ng	1010150	3	9.969	1167840	20.0
unknown9.369	9.369	21.8	ng	1271230	3	9.969	1167840	20.0
Decane, 5-propyl-	9.686	38.8	ng	2263390	3	9.969	1167840	20.0
unknown9.839	9.839	8.6	ng	504473	3	9.969	1167840	20.0
unknown10.222	10.222	8.9	ng	521739	3	9.969	1167840	20.0
2,6-Naphthalene...	10.381	4.8	ng	278057	3	9.969	1167840	20.0
Heptacosane	10.616	22.1	ng	1288740	3	9.969	1167840	20.0
Benzophenone	10.675	8.4	ng	493651	3	9.969	1167840	20.0
Tridecane, 4-me...	10.881	65.4	ng	2631770	4	11.457	804903	20.0
Hexadecane, 1-i...	11.345	37.3	ng	1502120	4	11.457	804903	20.0
Heptadecane, 4-...	11.698	8.7	ng	351586	4	11.457	804903	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-13	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025483.D	1	08/12/25 11:39	08/19/25 19:39	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-13	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025483.D	1	08/12/25 11:39	08/19/25 19:39	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-13	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025483.D	1	08/12/25 11:39	08/19/25 19:39	PB169230

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

SURROGATES

367-12-4	2-Fluorophenol	17.9	*	19 - 119	12%	SPK: 150
13127-88-3	Phenol-d6	6.42	*	10 - 130	4%	SPK: 150
4165-60-0	Nitrobenzene-d5	26.3	*	44 - 120	26%	SPK: 100
321-60-8	2-Fluorobiphenyl	27.1	*	44 - 119	27%	SPK: 100
118-79-6	2,4,6-Tribromophenol	21.1	*	43 - 140	14%	SPK: 150
1718-51-0	Terphenyl-d14	30.2	*	50 - 134	30%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	190000	7.79
1146-65-2	Naphthalene-d8	754000	10.56
15067-26-2	Acenaphthene-d10	487000	14.407
1517-22-2	Phenanthrene-d10	1010000	17.207
1719-03-5	Chrysene-d12	1050000	21.642
1520-96-3	Perylene-d12	1170000	25.024

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	70.1	J	3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	AB	4.97	ug/L
000123-33-1	Maleic hydrazide	5.00	J	15.6	ug/L
	unknown7.92	7.90	J	15.7	ug/L
000119-61-9	Benzophenone	17.5	J	15.8	ug/L
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	2.20	J	16.4	ug/L
014628-36-5	2-(N,N-Bis(2-chloroethyl)amino)met	5.10	J	21.0	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-13	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025483.D	1	08/12/25 11:39	08/19/25 19:39	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
015594-90-8	1-Heneicosanol	10.3	J			21.3	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

Quant Time: Aug 20 02:25:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	189806	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	753920	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	487293	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	1006081	20.000	ng	# 0.00
76) Chrysene-d12	21.642	240	1046082	20.000	ng	0.00
86) Perylene-d12	25.024	264	1169210	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	204557	17.898	ng	0.00
7) Phenol-d6	6.966	99	94002	6.415	ng	0.00
23) Nitrobenzene-d5	8.931	82	392287	26.321	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	138218	21.073	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	966417	27.105	ng	0.00
79) Terphenyl-d14	19.919	244	1729007	30.240	ng	0.00

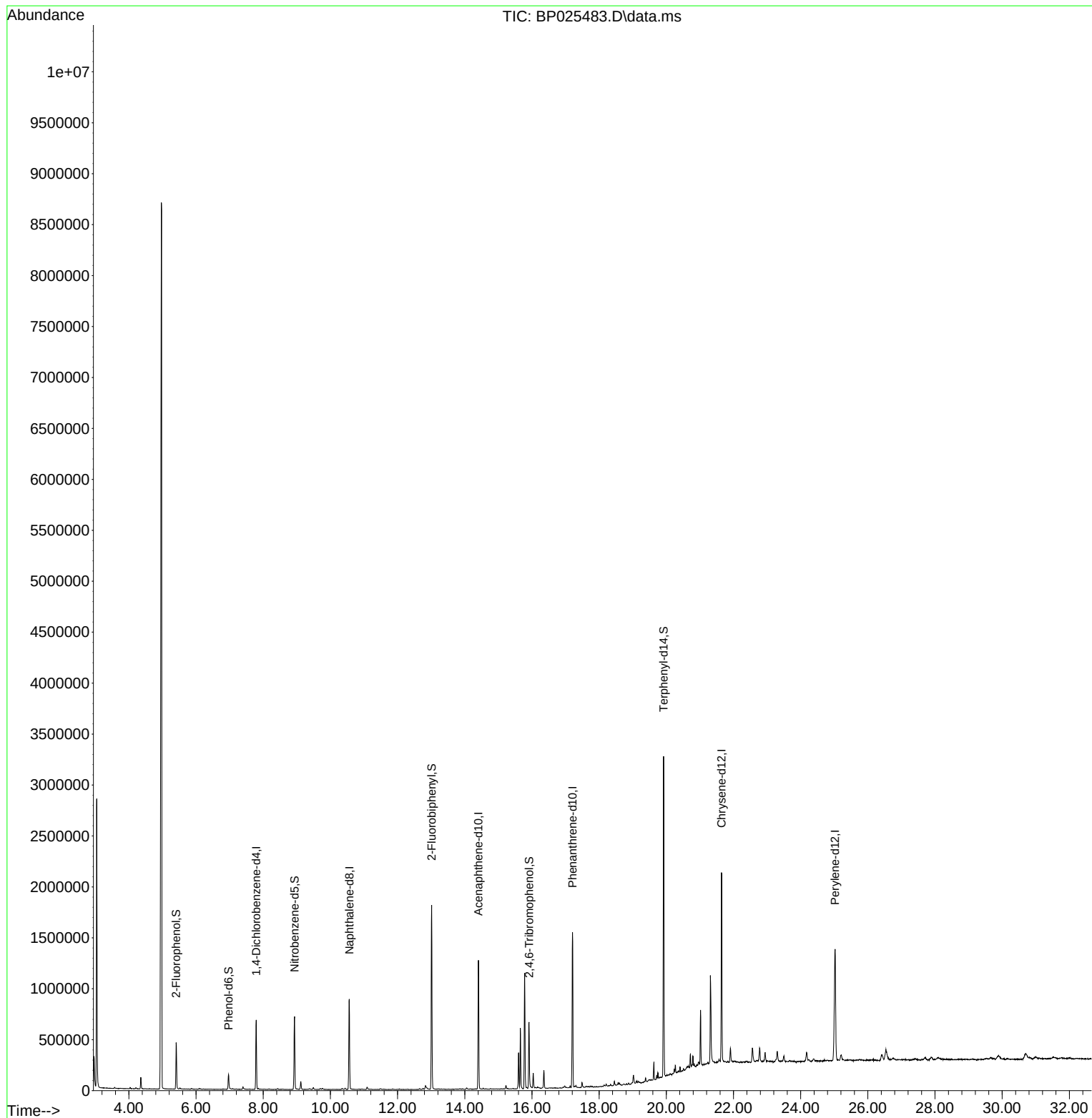
Target Compounds	Qvalue

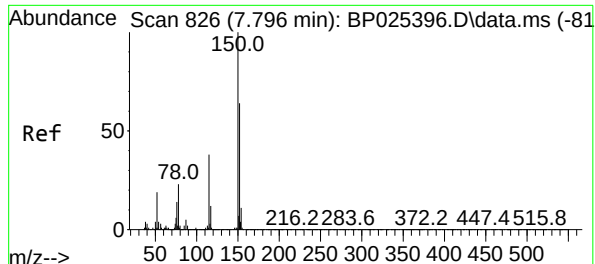
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

Quant Time: Aug 20 02:25:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

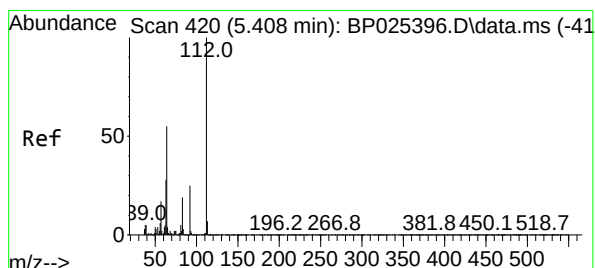
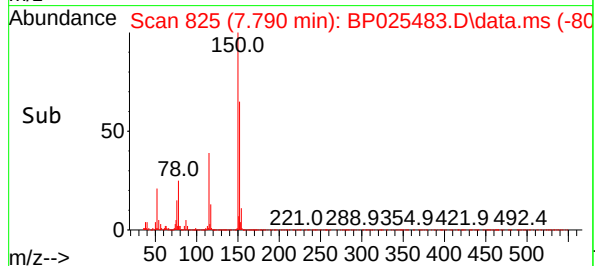
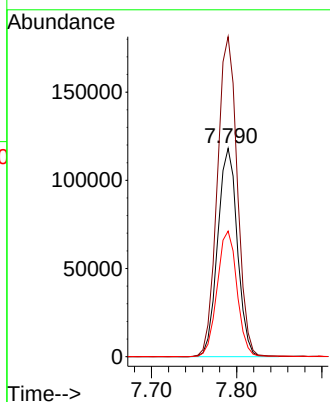
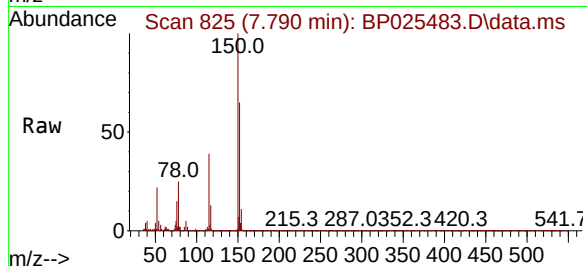




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025483.D
Acq: 19 Aug 2025 19:39

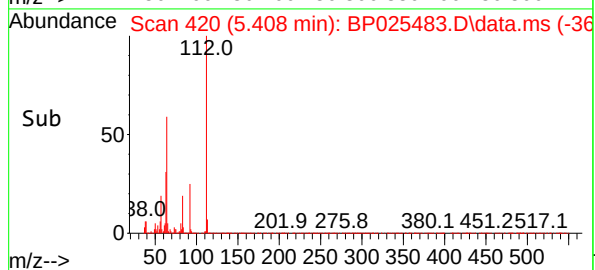
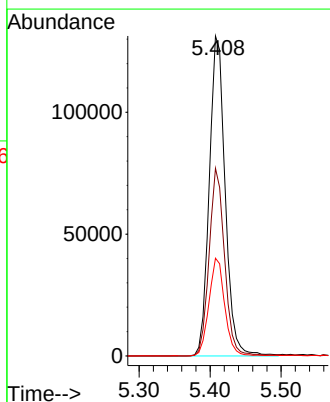
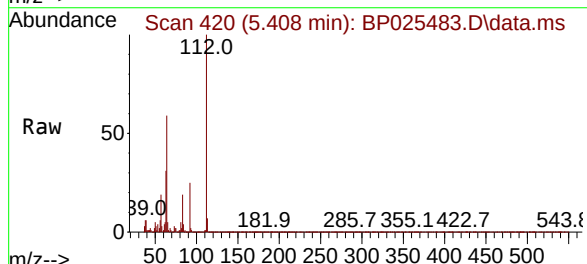
Instrument :
BNA_P
ClientSampleId :
TW-22M-E

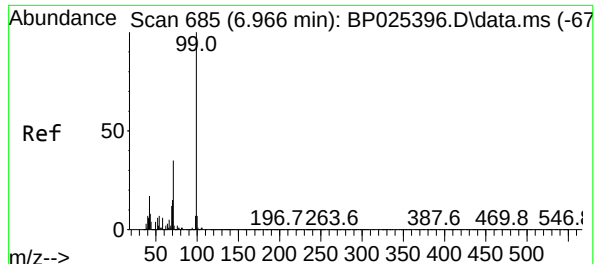
Tgt Ion:152 Resp: 189806
Ion Ratio Lower Upper
152 100
150 153.6 125.9 188.9
115 60.3 48.5 72.7



#5
2-Fluorophenol
Concen: 17.898 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025483.D
Acq: 19 Aug 2025 19:39

Tgt Ion:112 Resp: 204557
Ion Ratio Lower Upper
112 100
64 58.6 43.8 65.8
63 30.5 22.7 34.1

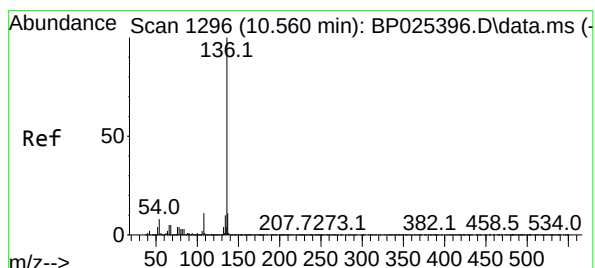
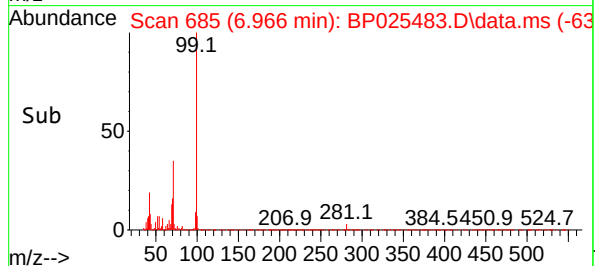
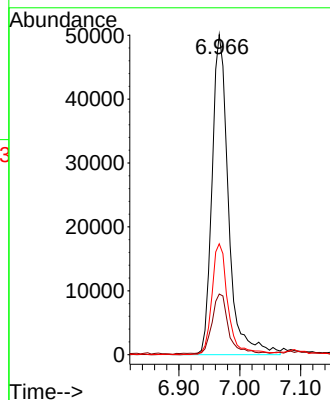
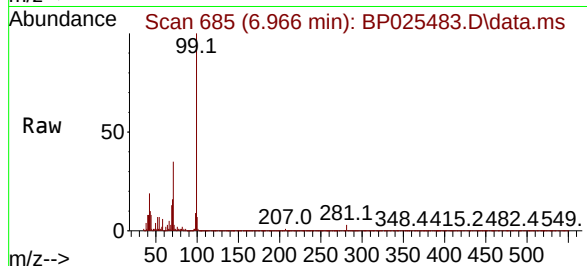




#7
Phenol-d6
Concen: 6.415 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025483.D
Acq: 19 Aug 2025 19:39

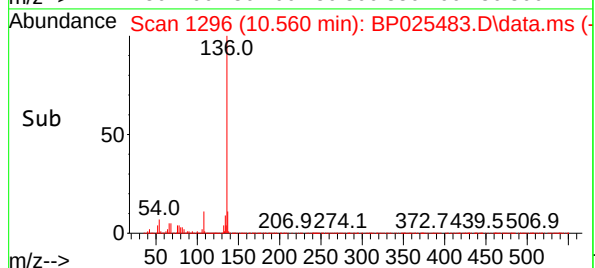
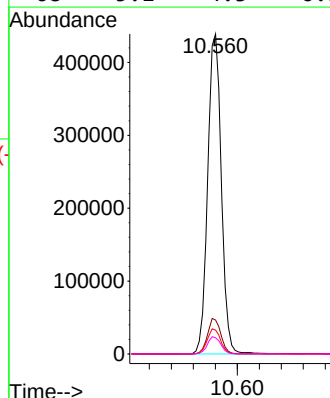
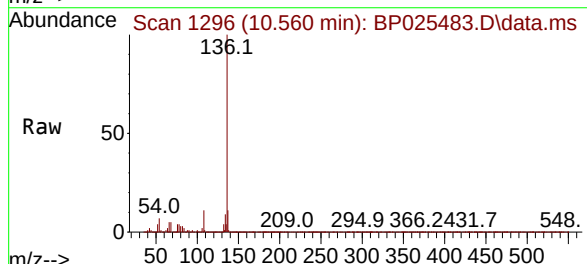
Instrument :
BNA_P
ClientSampleId :
TW-22M-E

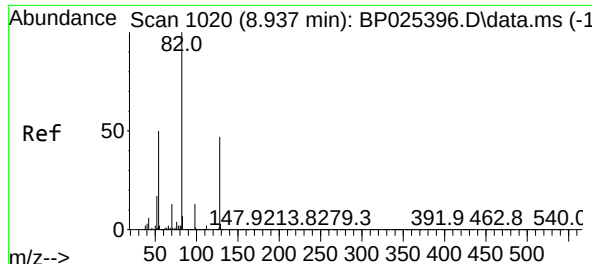
Tgt Ion:	99	Resp:	94002
Ion	Ratio	Lower	Upper
99	100		
42	19.0	13.7	20.5
71	34.7	28.2	42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025483.D
Acq: 19 Aug 2025 19:39

Tgt Ion:	136	Resp:	753920
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.4	6.0	9.0
68	5.1	4.3	6.5





#23

Nitrobenzene-d5

Concen: 26.321 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025483.D

Acq: 19 Aug 2025 19:39

Instrument :

BNA_P

ClientSampleId :

TW-22M-E

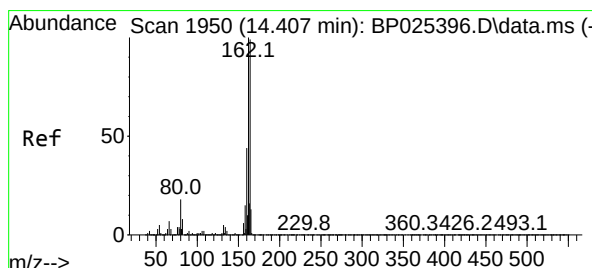
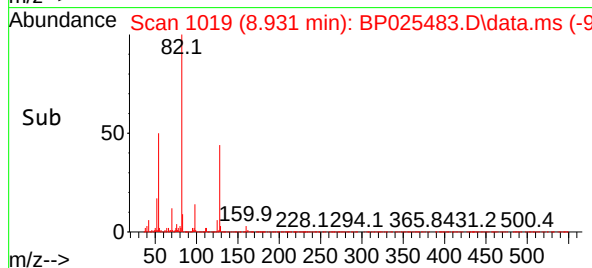
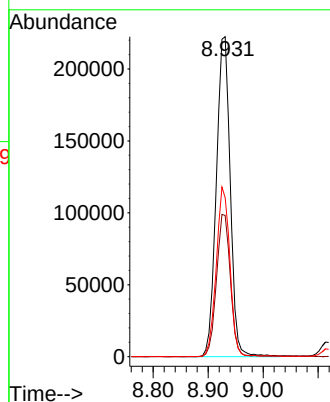
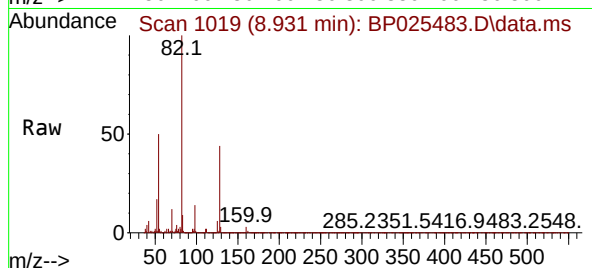
Tgt Ion: 82 Resp: 392287

Ion Ratio Lower Upper

82 100

128 44.1 37.7 56.5

54 49.7 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.407 min Scan# 1950

Delta R.T. 0.000 min

Lab File: BP025483.D

Acq: 19 Aug 2025 19:39

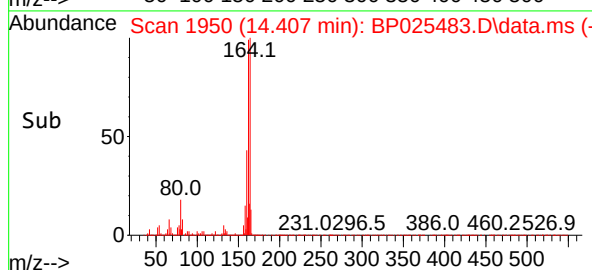
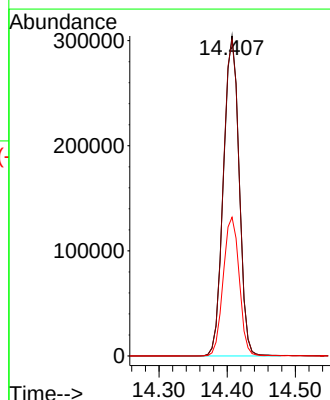
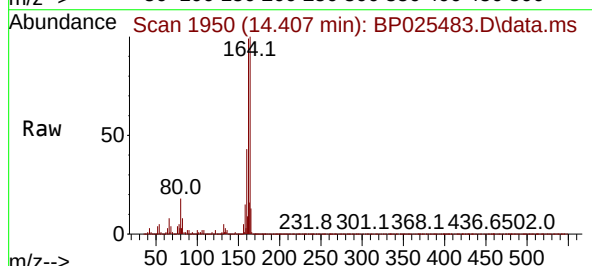
Tgt Ion: 164 Resp: 487293

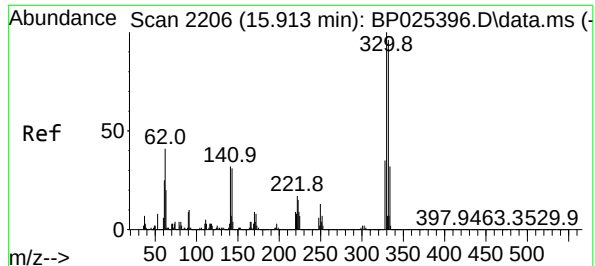
Ion Ratio Lower Upper

164 100

162 98.8 81.0 121.6

160 43.3 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 21.073 ng

RT: 15.913 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025483.D

Acq: 19 Aug 2025 19:39

Instrument :

BNA_P

ClientSampleId :

TW-22M-E

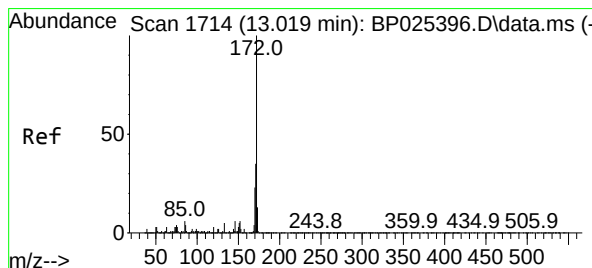
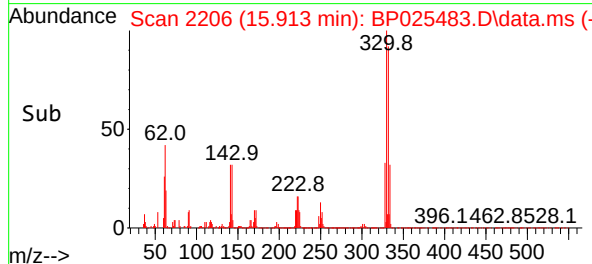
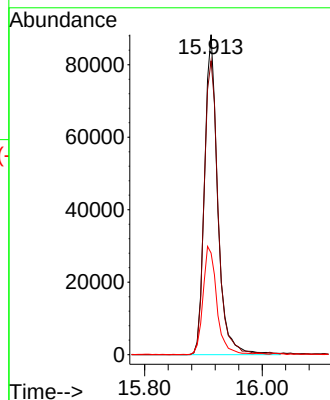
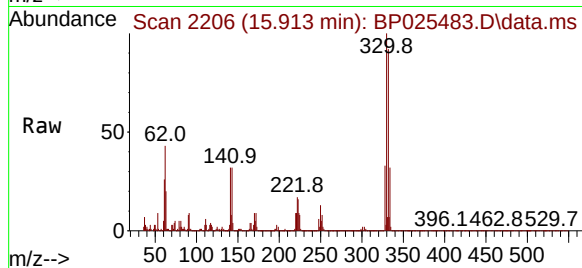
Tgt Ion:330 Resp: 138218

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 35.0 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 27.105 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025483.D

Acq: 19 Aug 2025 19:39

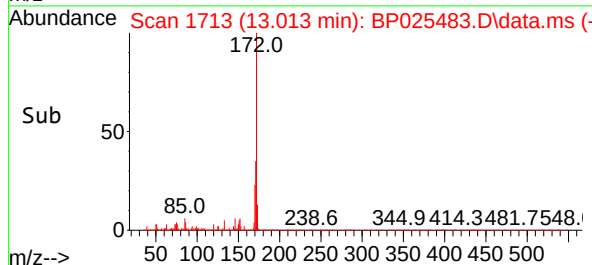
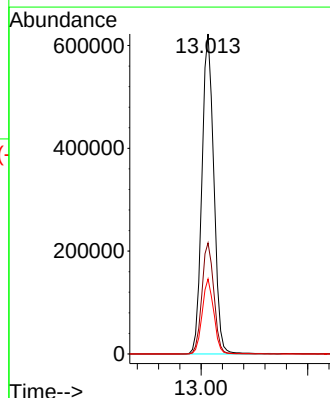
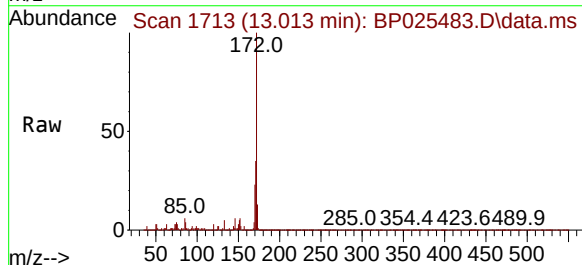
Tgt Ion:172 Resp: 966417

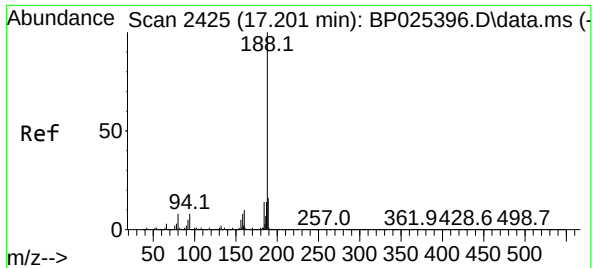
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.5 18.6 28.0

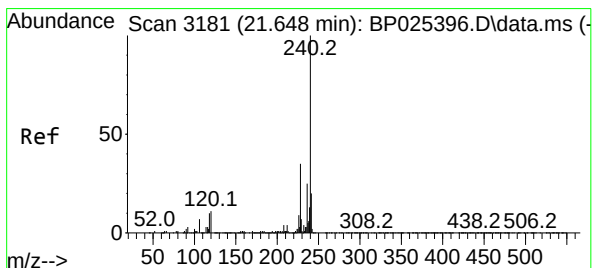
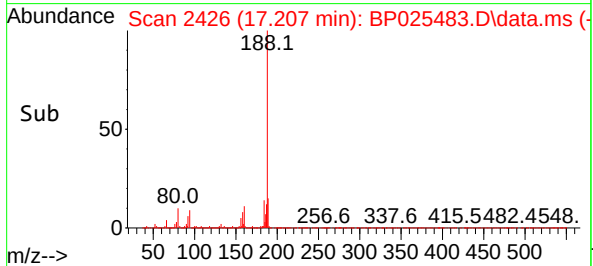
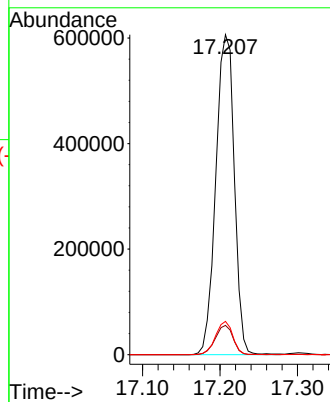
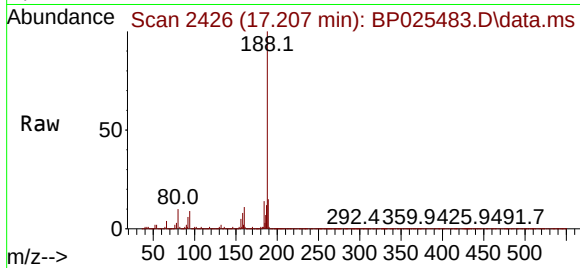




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP025483.D
Acq: 19 Aug 2025 19:39

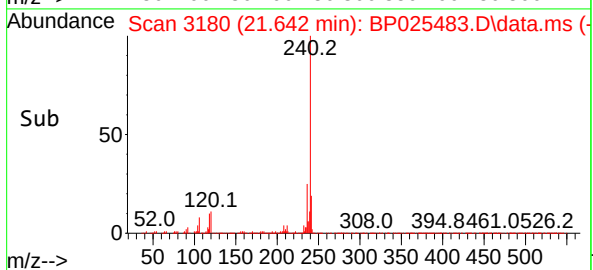
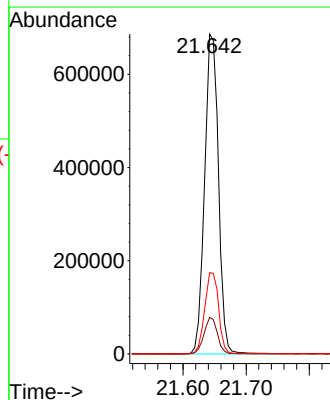
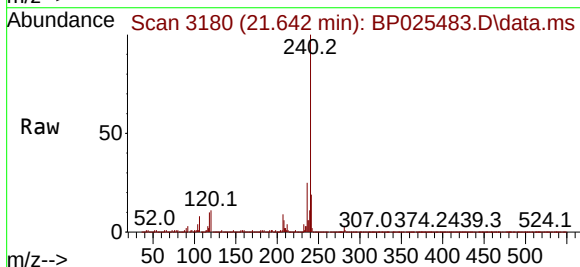
Instrument :
BNA_P
ClientSampleId :
TW-22M-E

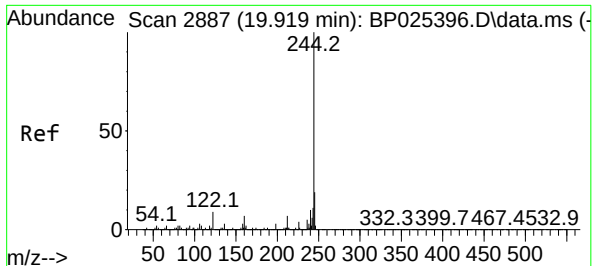
Tgt Ion:188 Resp: 1006081
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 10.4 6.7 10.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025483.D
Acq: 19 Aug 2025 19:39

Tgt Ion:240 Resp: 1046082
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 25.4 19.8 29.8

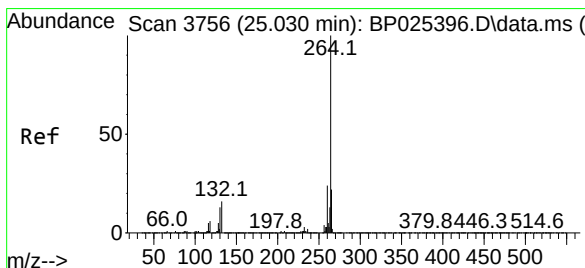
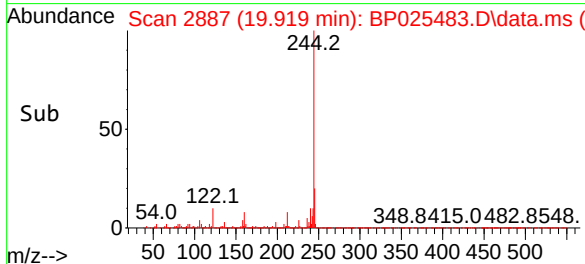
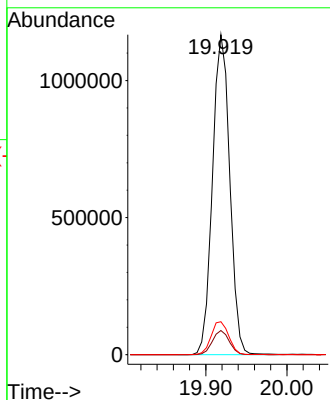
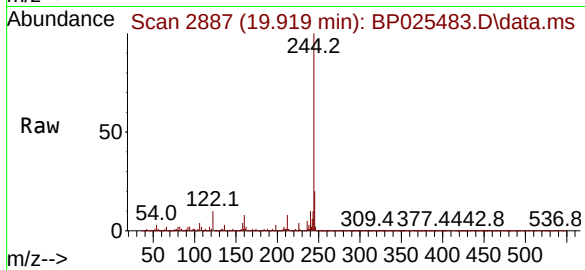




#79
Terphenyl-d14
Concen: 30.240 ng
RT: 19.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025483.D
Acq: 19 Aug 2025 19:39

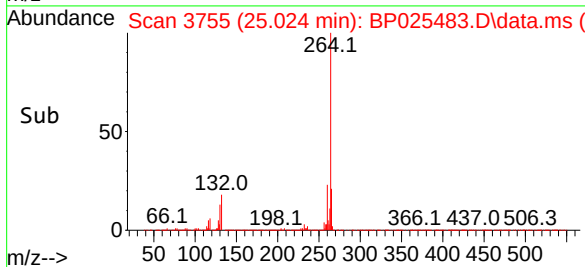
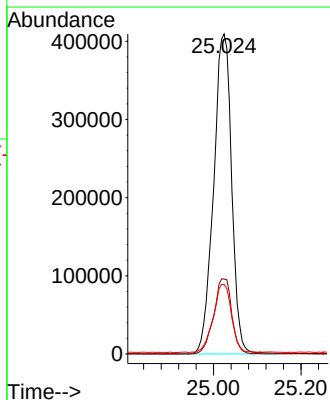
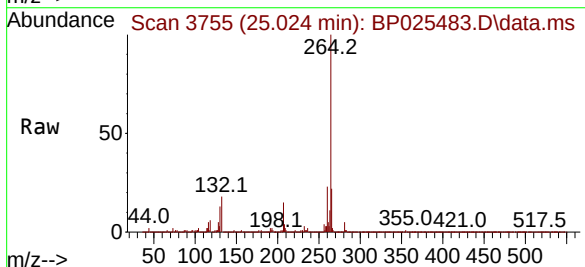
Instrument :
BNA_P
ClientSampleId :
TW-22M-E

Tgt Ion:244 Resp: 1729007
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 10.3 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025483.D
Acq: 19 Aug 2025 19:39

Tgt Ion:264 Resp: 1169210
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 21.7 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs : 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025483.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.043	13	18	35	rVB	2836460	3863262	22.50%	7.498%
2	4.966	335	345	350	rBV	8699134	17173715	100.00%	33.330%
3	5.408	414	420	432	rBV	455322	698771	4.07%	1.356%
4	6.966	678	685	699	rBV	143329	269210	1.57%	0.522%
5	7.790	818	825	832	rBV	680573	1102416	6.42%	2.140%
6	8.931	1011	1019	1027	rBV	715121	1272918	7.41%	2.470%
7	10.560	1288	1296	1305	rBV	885031	1522318	8.86%	2.954%
8	13.013	1705	1713	1724	rBV	1806953	2801974	16.32%	5.438%
9	14.407	1938	1950	1962	rBV	1265129	2065216	12.03%	4.008%
10	15.601	2145	2153	2158	rBV	354237	512013	2.98%	0.994%
11	15.654	2158	2162	2174	rVB	594575	818289	4.76%	1.588%
12	15.778	2177	2183	2192	rBV	1136157	1801500	10.49%	3.496%
13	15.913	2199	2206	2215	rBV	651600	1087534	6.33%	2.111%
14	16.036	2222	2227	2235	rVB2	143249	210459	1.23%	0.408%
15	16.354	2270	2281	2291	rVB	176336	273692	1.59%	0.531%
16	17.207	2418	2426	2433	rBV2	1525592	2506739	14.60%	4.865%
17	19.630	2833	2838	2844	rBV	177543	230301	1.34%	0.447%
18	19.919	2881	2887	2894	rBV	3142147	4701694	27.38%	9.125%
19	21.019	3070	3074	3083	rVB	540158	731760	4.26%	1.420%
20	21.313	3120	3124	3137	rBV2	849417	1480483	8.62%	2.873%
21	21.642	3175	3180	3195	rVB2	1858384	2882373	16.78%	5.594%
22	21.907	3222	3225	3232	rVB	126897	192401	1.12%	0.373%
23	22.566	3333	3337	3346	rVB4	129117	267928	1.56%	0.520%
24	25.024	3745	3755	3767	rVB2	1091954	3059646	17.82%	5.938%

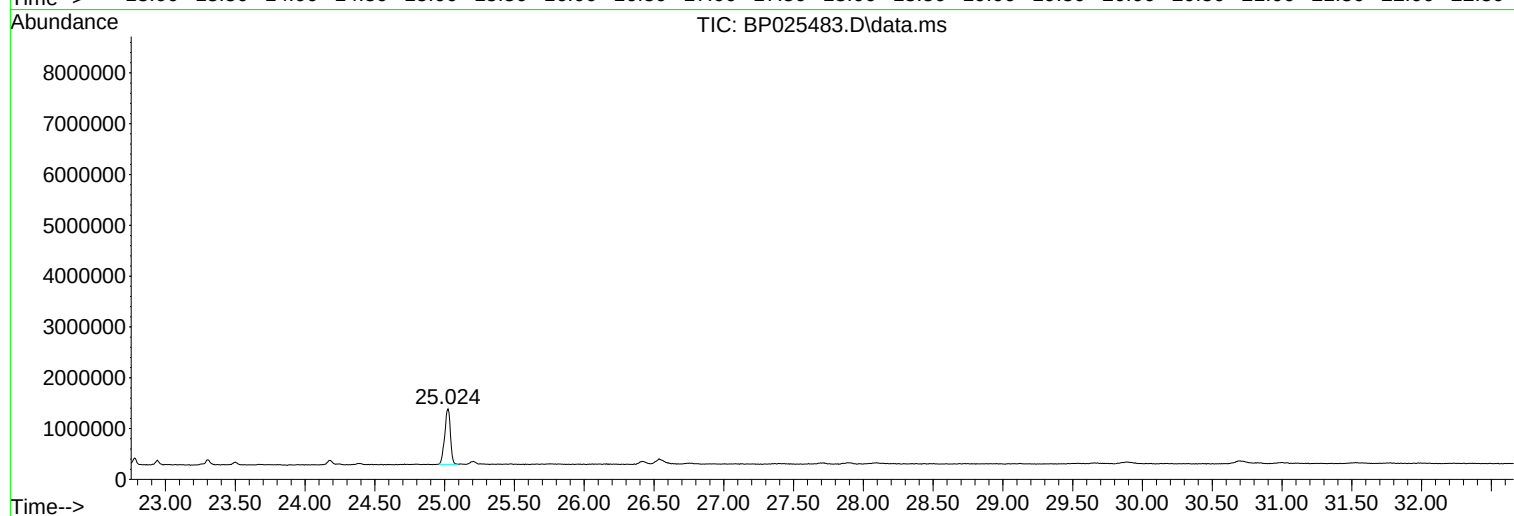
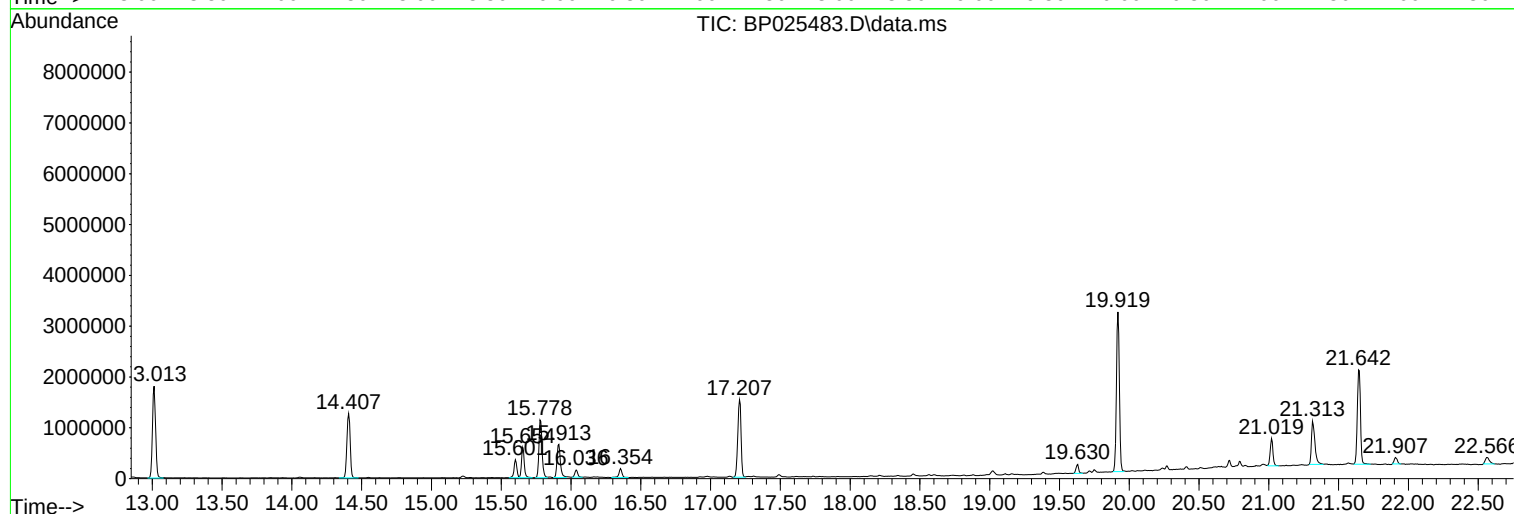
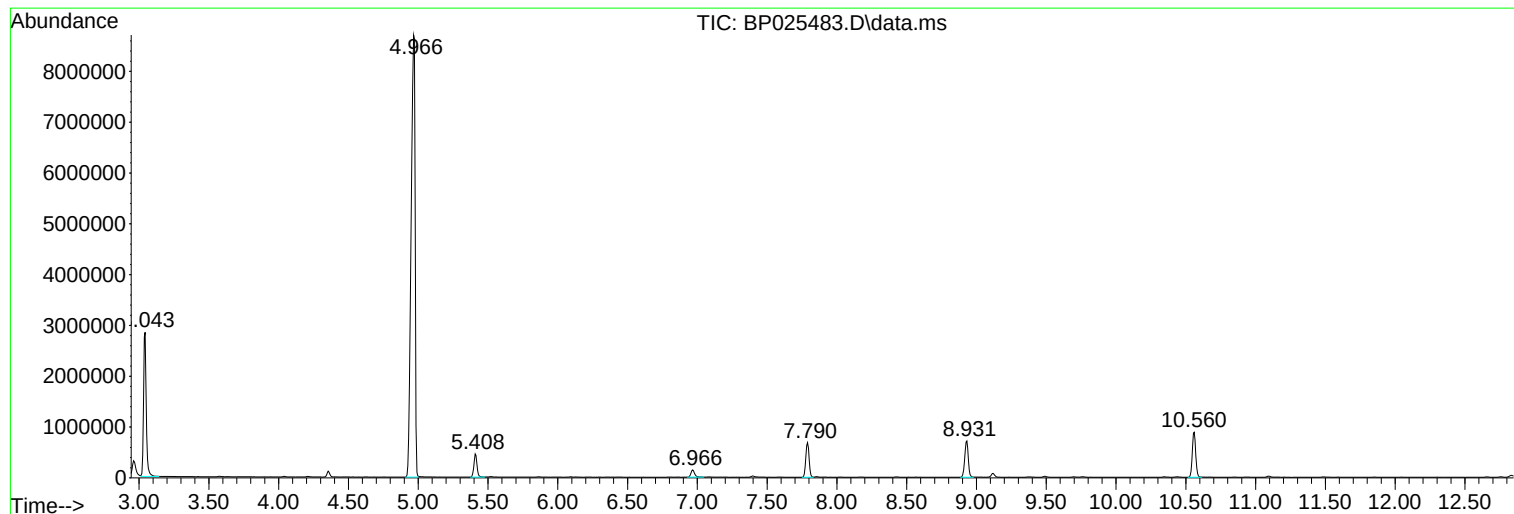
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

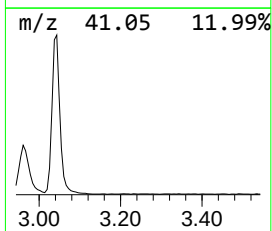
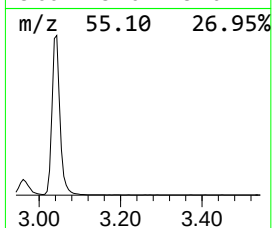
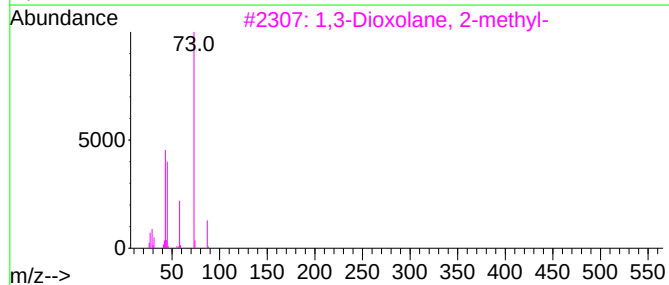
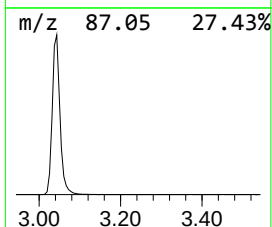
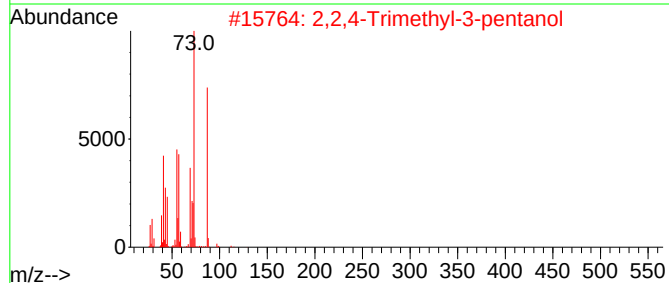
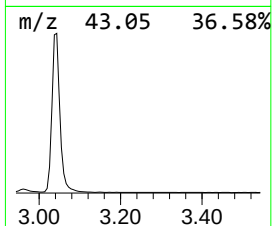
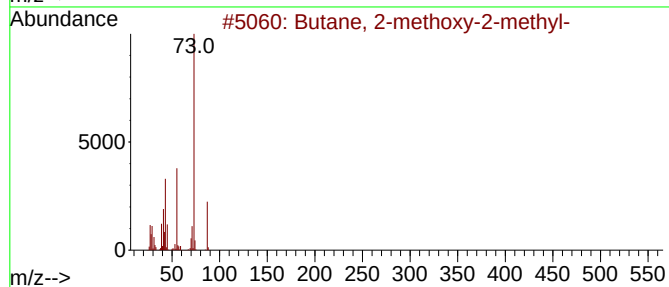
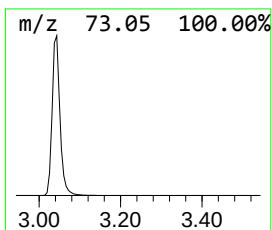
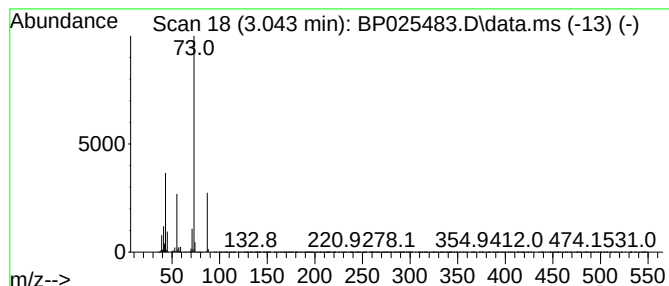
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	70.09 ng	3863260	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

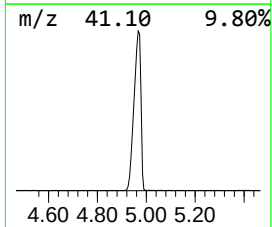
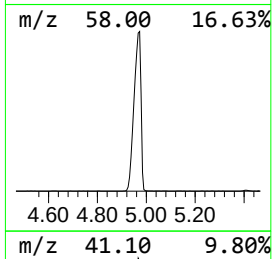
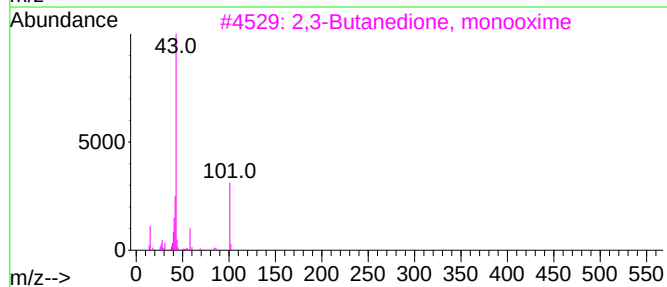
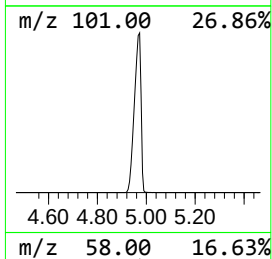
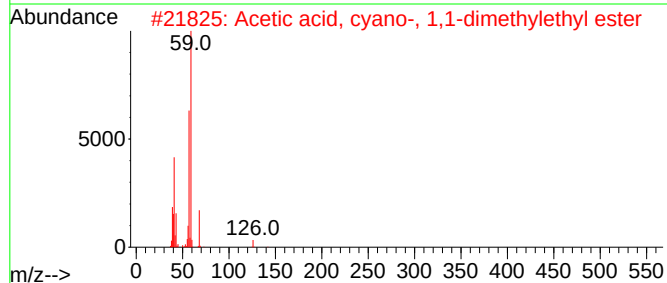
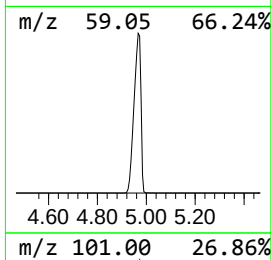
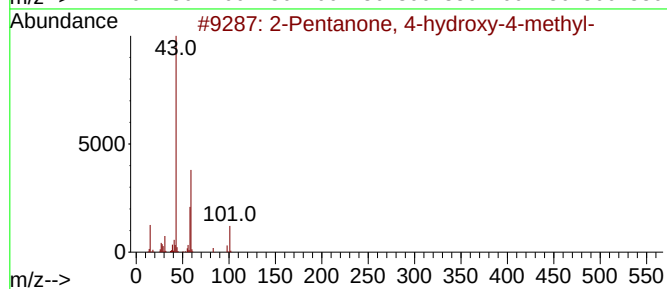
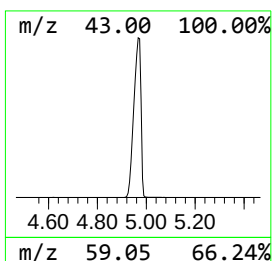
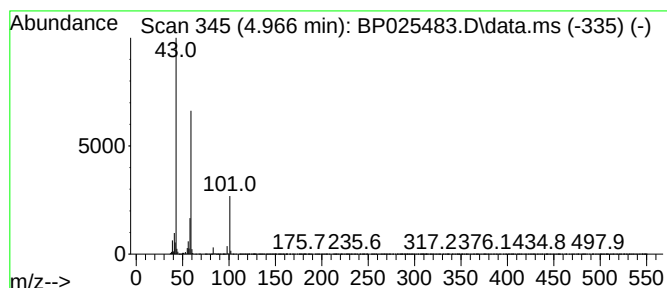
Instrument :
BNA_P
ClientSampleId :
TW-22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.966	311.57 ng	17173700	1,4-Dichlorobenzene-d4	7.790	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Acetone	58	C3H6O	000067-64-1	10
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

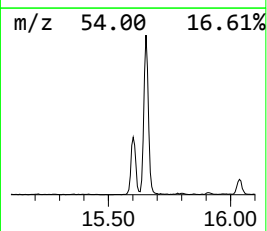
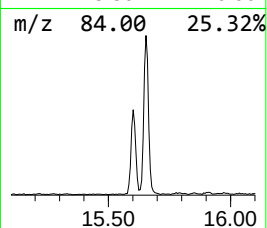
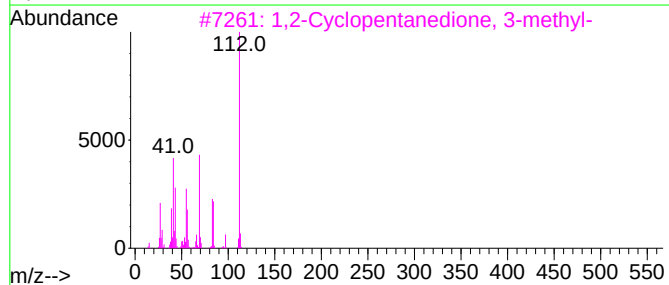
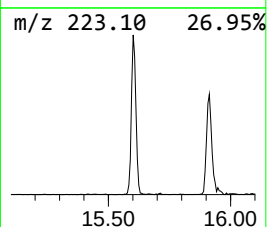
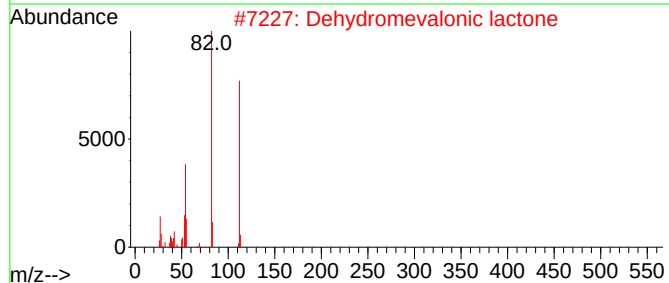
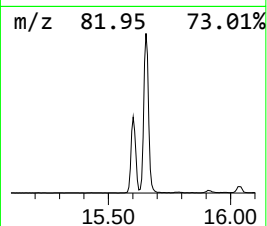
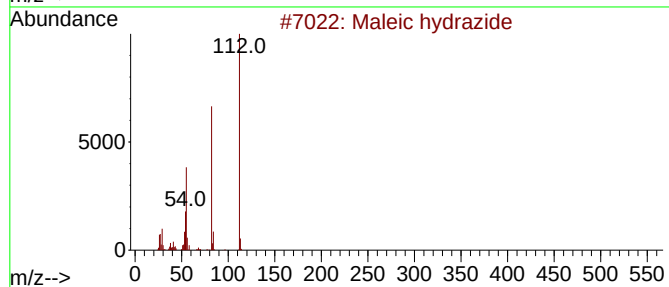
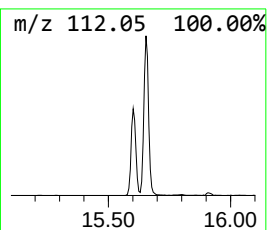
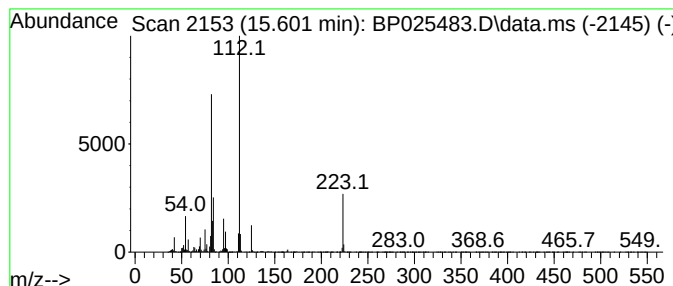
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Maleic hydrazide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.601	4.96 ng	512013	Acenaphthene-d10	14.407

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Maleic hydrazide	112	C4H4N2O2	000123-33-1	50
2			Dehydromevalonic lactone	112	C6H8O2	002381-87-5	47
3			1,2-Cyclopentanedione, 3-methyl-	112	C6H8O2	000765-70-8	46
4			4H-1,2,4-Triazol-3-amine, 4-ethyl-	112	C4H8N4	042786-06-1	43
5			2-Hydroxy-5-ethyl-5-methylcyclop...	140	C8H12O2	053263-57-3	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

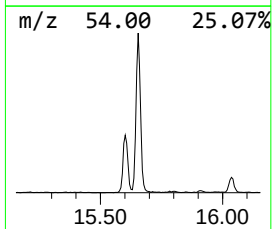
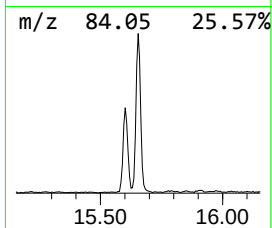
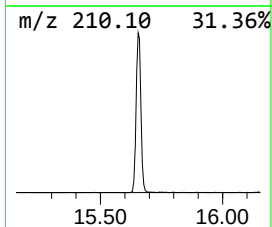
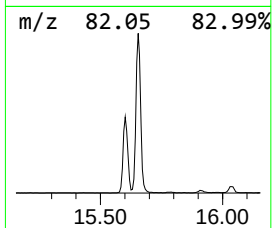
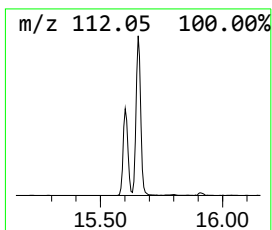
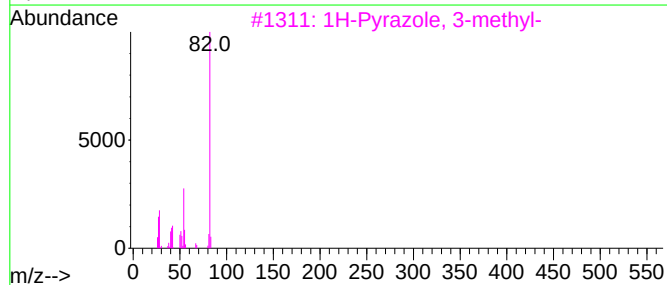
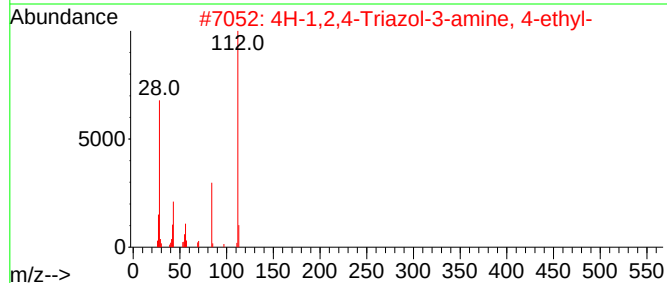
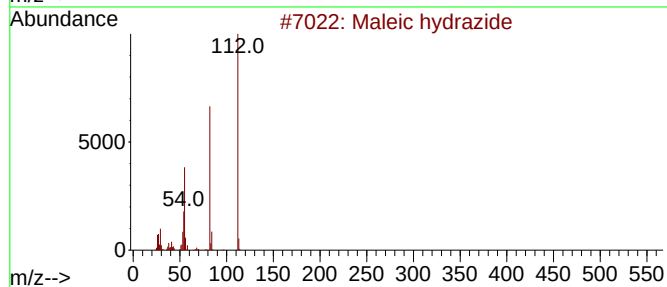
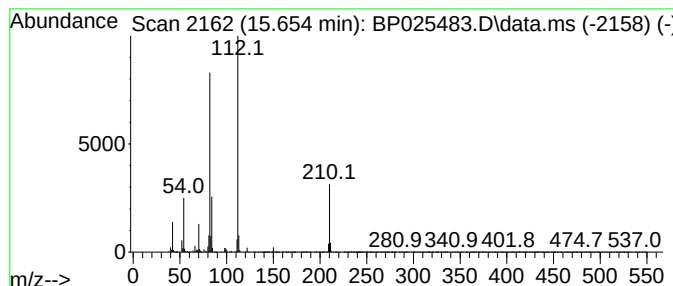
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown7.92 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.654	7.92 ng	818289	Acenaphthene-d10	14.407

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Maleic hydrazide	112	C4H4N2O2	000123-33-1	59
2			4H-1,2,4-Triazol-3-amine, 4-ethyl-	112	C4H8N4	042786-06-1	35
3			1H-Pyrazole, 3-methyl-	82	C4H6N2	001453-58-3	30
4			1H-Imidazole, 1-methyl-	82	C4H6N2	000616-47-7	27
5			3H-Pyrazol-3-one, 2,4-dihydro-2,...	112	C5H8N2O	002749-59-9	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

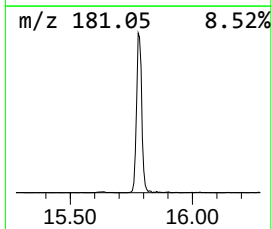
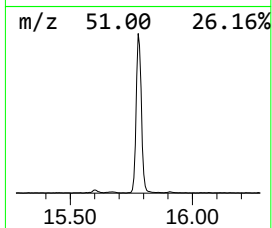
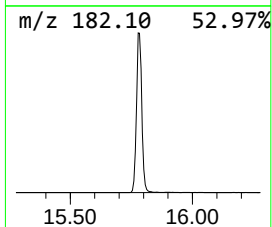
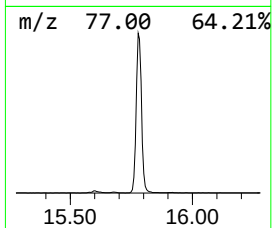
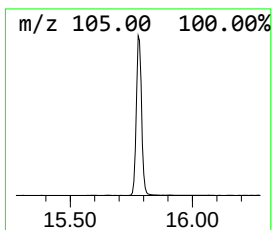
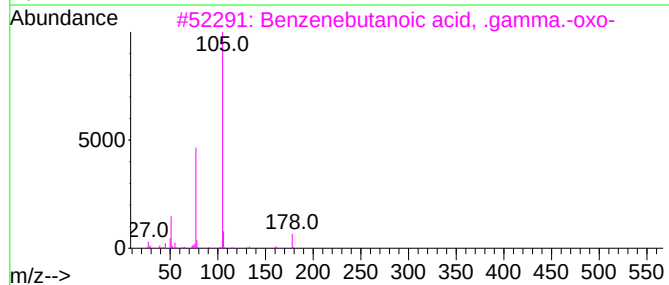
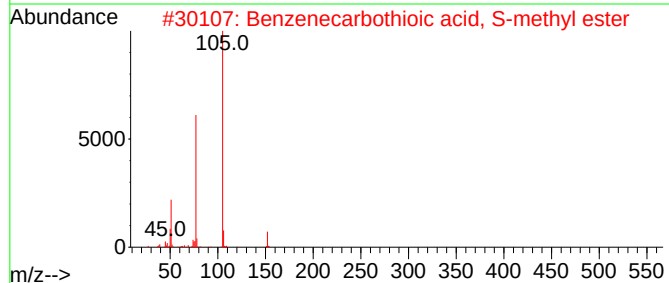
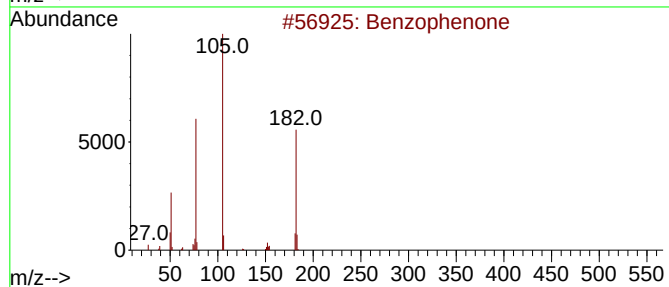
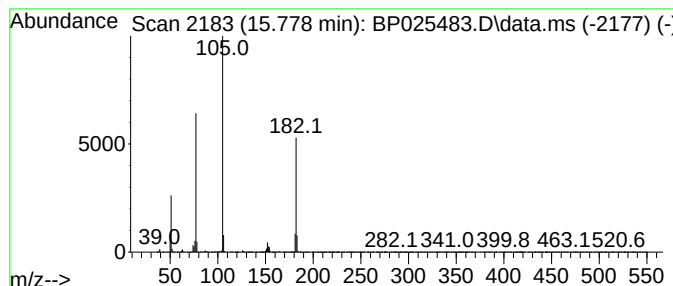
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	17.45 ng	1801500	Acenaphthene-d10	14.407

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	49
4			Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47
5			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

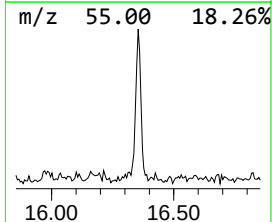
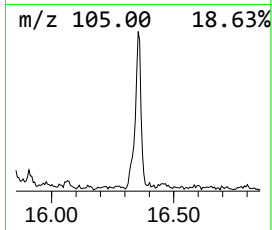
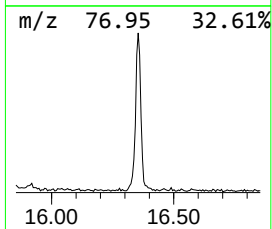
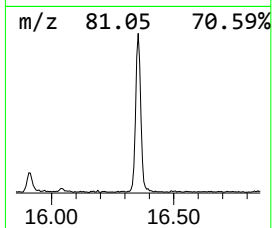
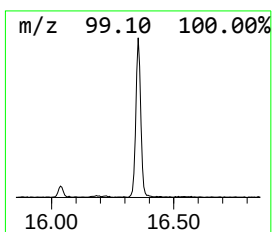
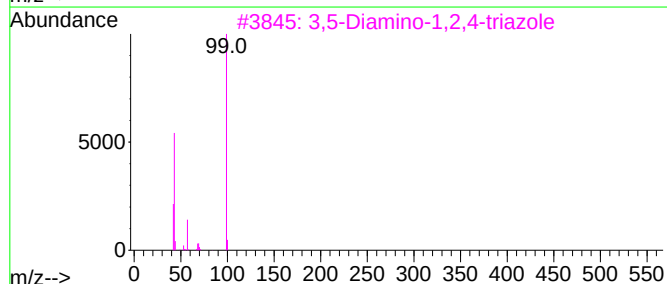
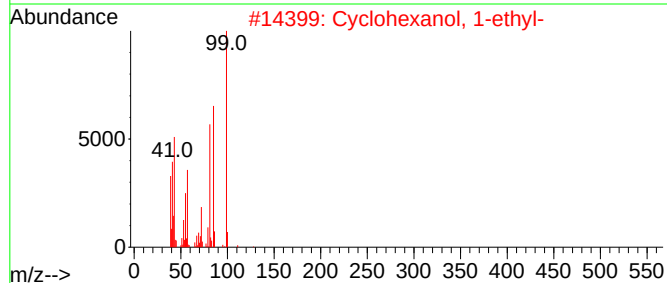
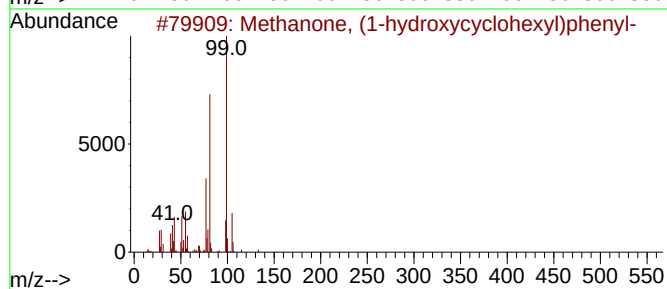
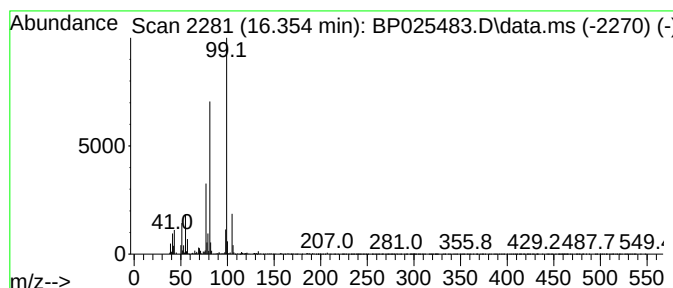
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Methanone, (1-hydroxycyclohexyl) Concentration Rank 8

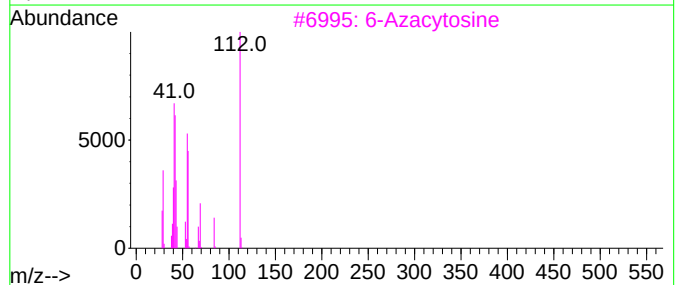
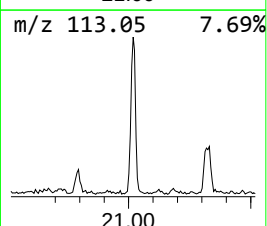
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.354	2.18 ng	273692	Phenanthrene-d10	17.207

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	91
2			Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	50
3			3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	43
4			1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	40
5			Hexanoic acid, thio-, S-butyl ester	188	C10H20O5	002432-79-3	38



Instrument :
BNA_P
ClientSampleId :
TW-22M-E

R.T.	EstConc	Area	Relative to ISTD			R.T.	
21.019	5.08 ng	731760	Chrysene-d12			21.642	
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-(N,N-Bis(2-chloroethyl)amino)m...	265	C9H13Cl2N3O2	014628-36-5	56
2			Pyridine, 1,2,3,6-tetrahydro-1-n...	112	C5H8N2O	055556-92-8	50
3			6-Azacytosine	112	C3H4N4O	000931-85-1	47
4			Sulfide,1- propenyl 1-propynyl	112	C6H8S	089533-93-7	43
5			2-Cyclopenten-1-one, 2-hydroxy-3...	112	C6H8O2	000080-71-7	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

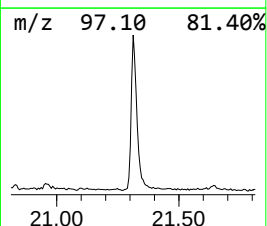
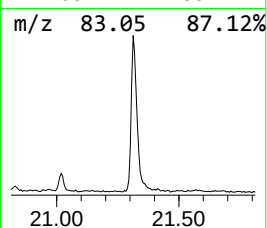
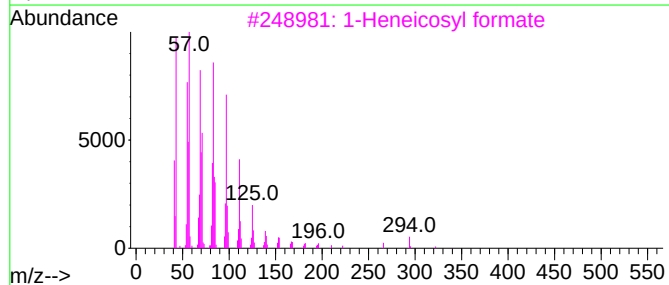
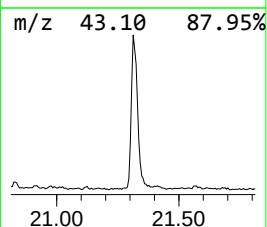
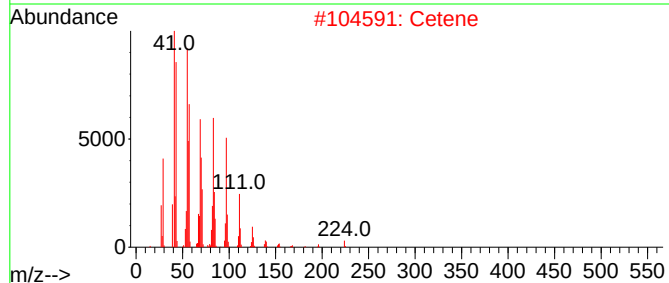
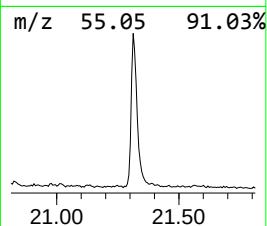
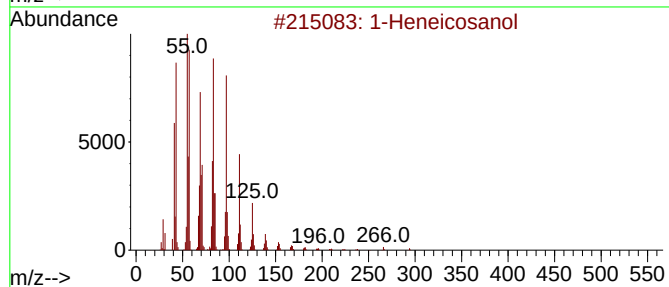
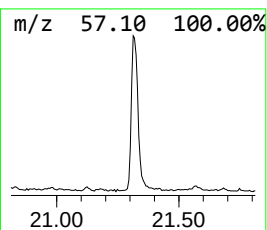
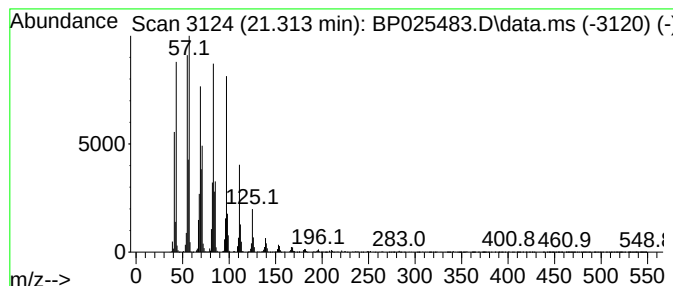
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
21.313	10.27 ng	1480480	Chrysene-d12		21.642

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heneicosanol	312	C21H44O	015594-90-8	95
2		Cetene	224	C16H32	000629-73-2	95
3		1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
4		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025483.D
Acq On : 19 Aug 2025 19:39
Operator : CG/JU
Sample : Q2815-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.043	70.1	ng	3863260	1	7.790	1102420	20.0
2-Pentanone, 4-...	4.966	311.6	ng	17173700	1	7.790	1102420	20.0
Maleic hydrazide	15.601	5.0	ng	512013	3	14.407	2065220	20.0
unknown7.92	15.654	7.9	ng	818289	3	14.407	2065220	20.0
Benzophenone	15.778	17.4	ng	1801500	3	14.407	2065220	20.0
Methanone, (1-h...	16.354	2.2	ng	273692	4	17.207	2506740	20.0
2-(N,N-Bis(2-ch...	21.019	5.1	ng	731760	5	21.642	2882370	20.0
1-Heneicosanol	21.313	10.3	ng	1480480	5	21.642	2882370	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-14	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025484.D	1	08/12/25 11:39	08/19/25 20:21	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-14	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025484.D	1	08/12/25 11:39	08/19/25 20:21	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-14	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025484.D	1	08/12/25 11:39	08/19/25 20:21	PB169230

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

SURROGATES

367-12-4	2-Fluorophenol	71.3		19 - 119	48%	SPK: 150
13127-88-3	Phenol-d6	60.6		10 - 130	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.8		44 - 120	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.9		44 - 119	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	90.4		43 - 140	60%	SPK: 150
1718-51-0	Terphenyl-d14	48.6	*	50 - 134	49%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	173000	7.79
1146-65-2	Naphthalene-d8	691000	10.56
15067-26-2	Acenaphthene-d10	458000	14.401
1517-22-2	Phenanthrene-d10	948000	17.184
1719-03-5	Chrysene-d12	1010000	21.625
1520-96-3	Perylene-d12	1090000	24.995

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	78.7	J	3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.40	AB	4.95	ug/L
000119-61-9	Benzophenone	8.00	J	15.8	ug/L
000057-10-3	n-Hexadecanoic acid	9.60	J	18.1	ug/L
000057-11-4	Octadecanoic acid	3.00	J	19.5	ug/L
001599-67-3	1-Docosene	8.10	J	21.3	ug/L
000638-68-6	Triacotane	2.70	J	21.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-22M-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-14	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025484.D	1	08/12/25 11:39	08/19/25 20:21	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
004981-99-1	Hentriacontane, 3-methyl-	3.30	J			22.6	ug/L
000630-03-5	Nonacosane	2.10	J			23.3	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025484.D
Acq On : 19 Aug 2025 20:21
Operator : CG/JU
Sample : Q2815-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-N

Quant Time: Aug 20 02:25:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	172969	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	690769	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	457523	20.000	ng	0.00
64) Phenanthrene-d10	17.184	188	948006	20.000	ng	-0.02
76) Chrysene-d12	21.625	240	1011218	20.000	ng	-0.02
86) Perylene-d12	24.995	264	1092932	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	742351	71.274	ng	0.00
7) Phenol-d6	6.967	99	809748	60.640	ng	0.00
23) Nitrobenzene-d5	8.925	82	721278	52.820	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	556953	90.439	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1703207	50.877	ng	0.00
79) Terphenyl-d14	19.919	244	2688109	48.635	ng	0.00

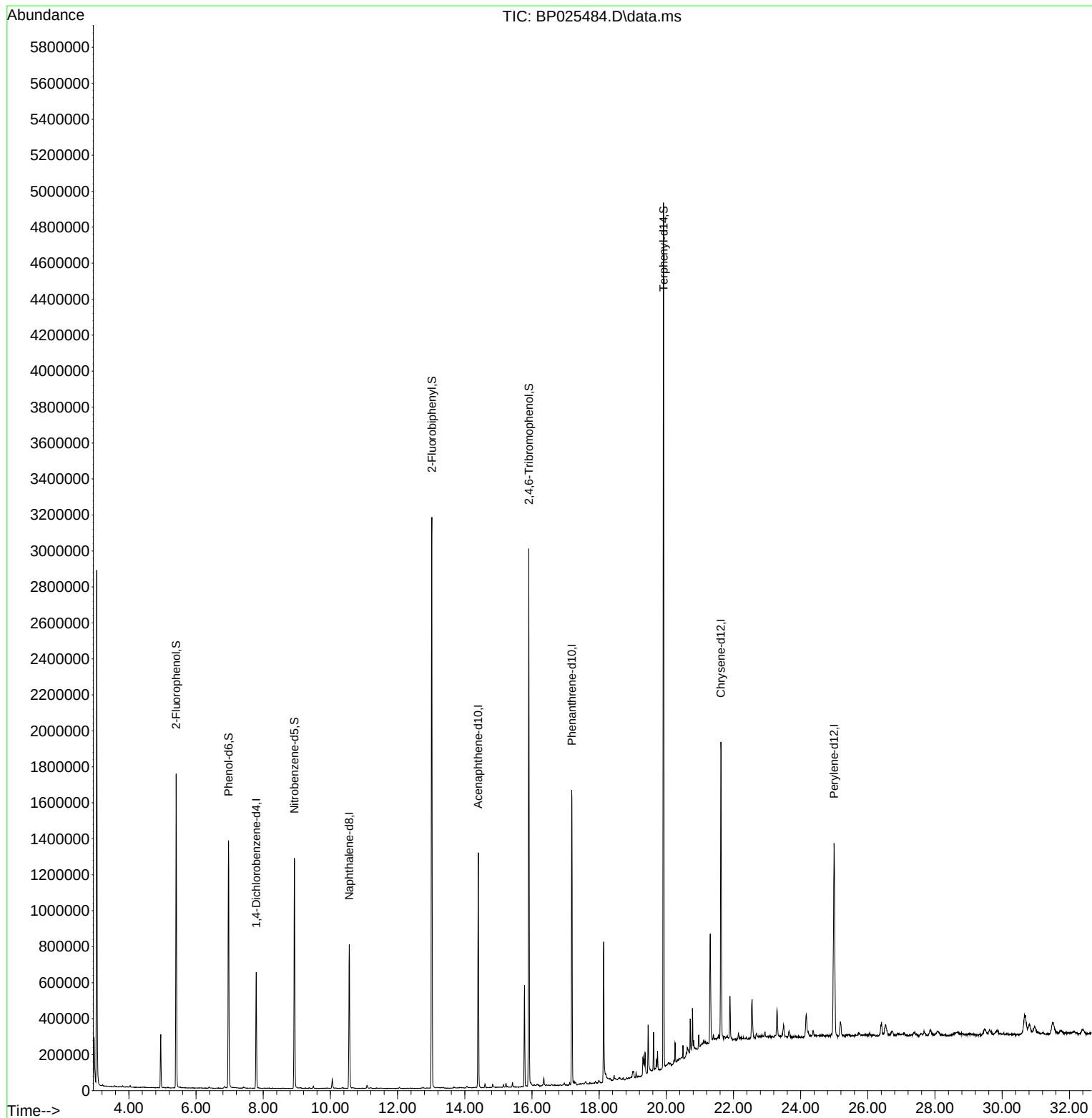
Target Compounds	Qvalue
------------------	--------

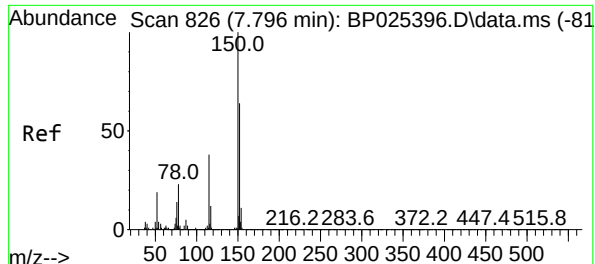
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025484.D
Acq On : 19 Aug 2025 20:21
Operator : CG/JU
Sample : Q2815-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-N

Quant Time: Aug 20 02:25:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

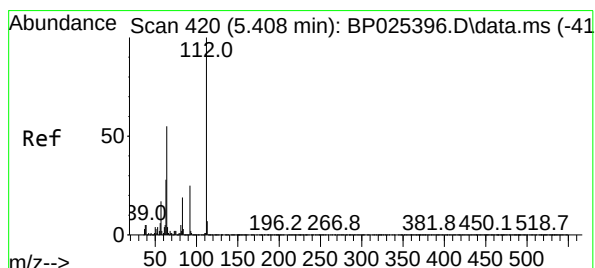
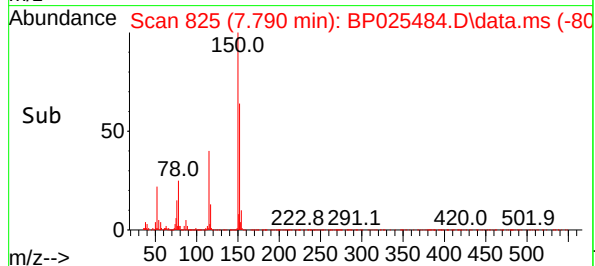
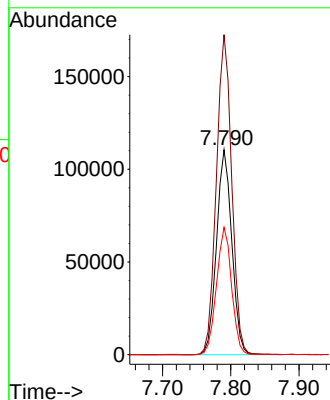
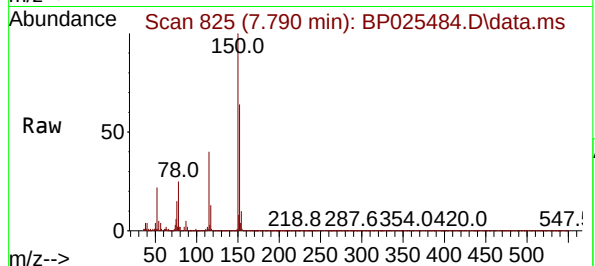




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025484.D
Acq: 19 Aug 2025 20:21

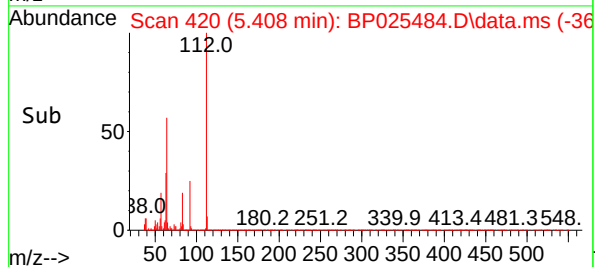
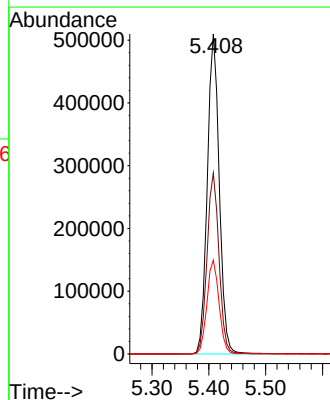
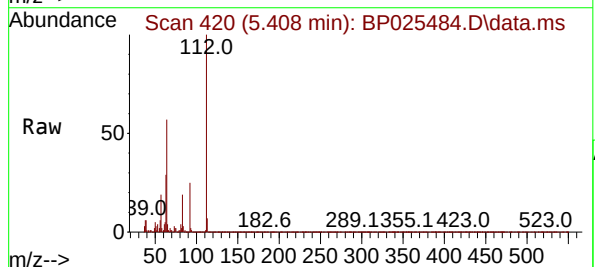
Instrument :
BNA_P
ClientSampleId :
TW-22M-N

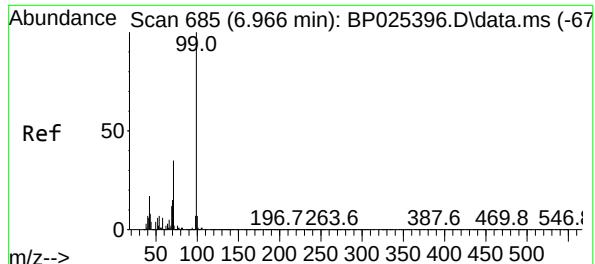
Tgt Ion:152 Resp: 172969
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 62.2 48.5 72.7



#5
2-Fluorophenol
Concen: 71.274 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025484.D
Acq: 19 Aug 2025 20:21

Tgt Ion:112 Resp: 742351
Ion Ratio Lower Upper
112 100
64 56.5 43.8 65.8
63 29.3 22.7 34.1

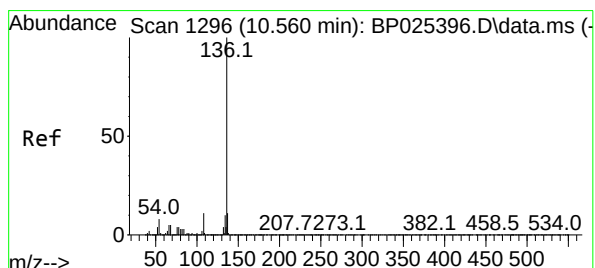
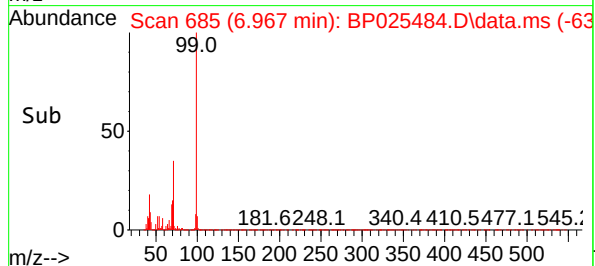
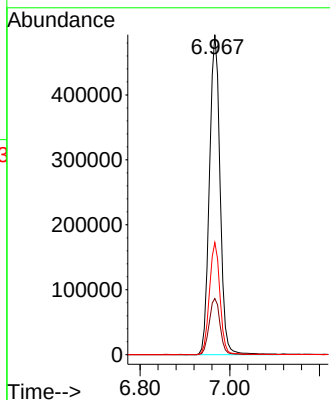
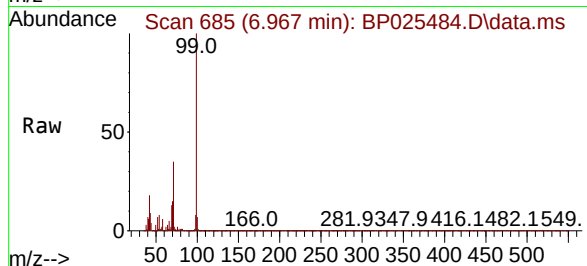




#7
Phenol-d6
Concen: 60.640 ng
RT: 6.967 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025484.D
Acq: 19 Aug 2025 20:21

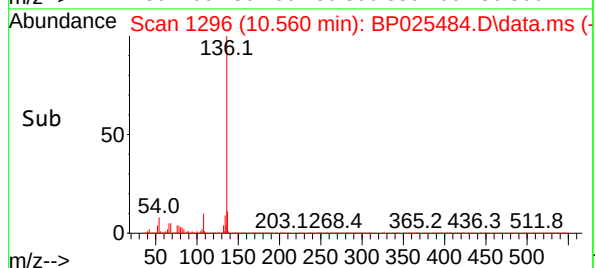
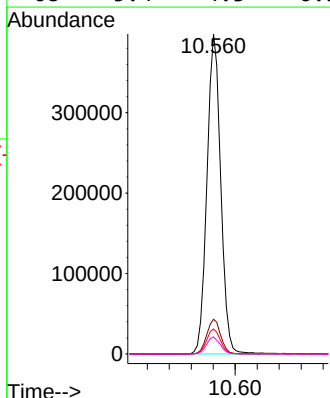
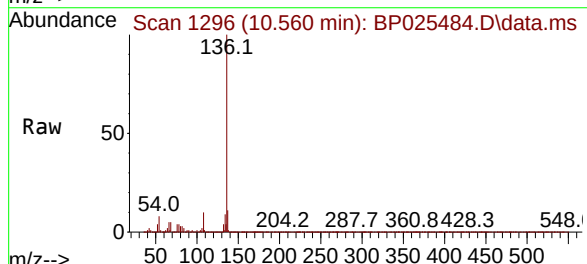
Instrument :
BNA_P
ClientSampleId :
TW-22M-N

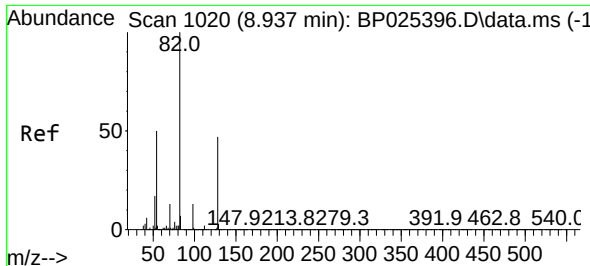
Tgt Ion: 99 Resp: 809748
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 35.0 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025484.D
Acq: 19 Aug 2025 20:21

Tgt Ion: 136 Resp: 690769
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.8 6.0 9.0
68 5.4 4.3 6.5





#23

Nitrobenzene-d5

Concen: 52.820 ng

RT: 8.925 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP025484.D

Acq: 19 Aug 2025 20:21

Instrument :

BNA_P

ClientSampleId :

TW-22M-N

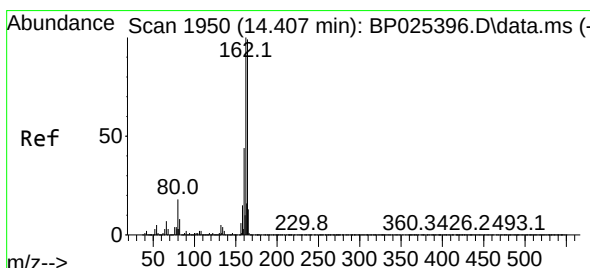
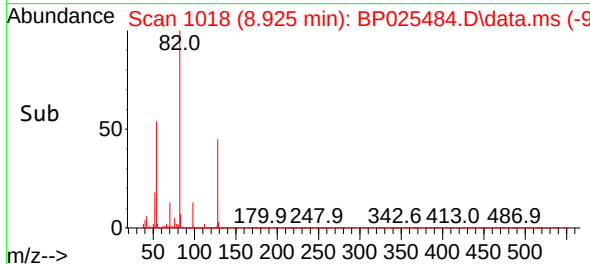
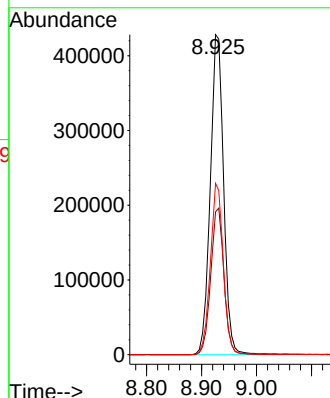
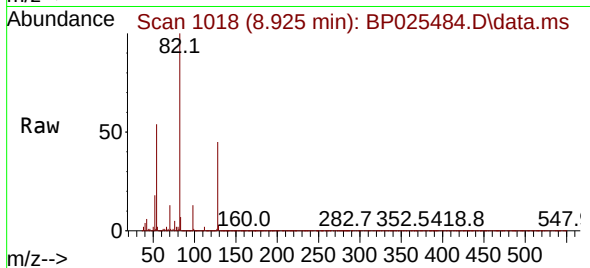
Tgt Ion: 82 Resp: 721278

Ion Ratio Lower Upper

82 100

128 44.6 37.7 56.5

54 53.5 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP025484.D

Acq: 19 Aug 2025 20:21

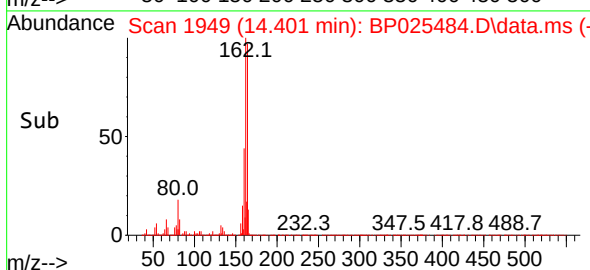
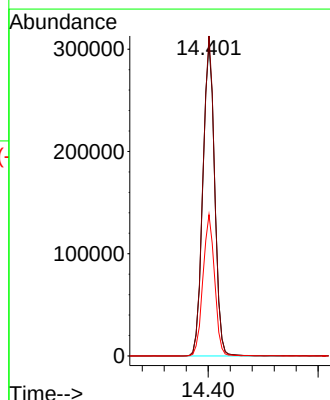
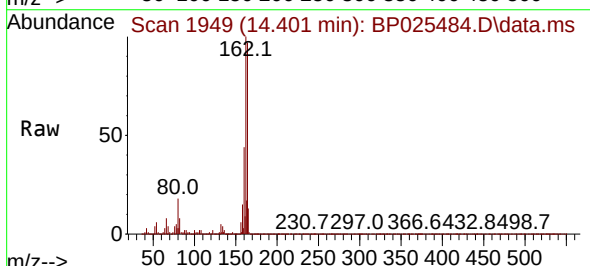
Tgt Ion: 164 Resp: 457523

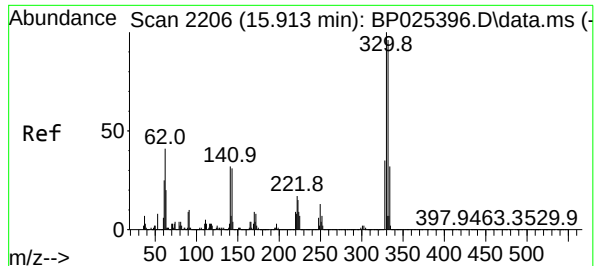
Ion Ratio Lower Upper

164 100

162 102.9 81.0 121.6

160 45.4 35.4 53.2

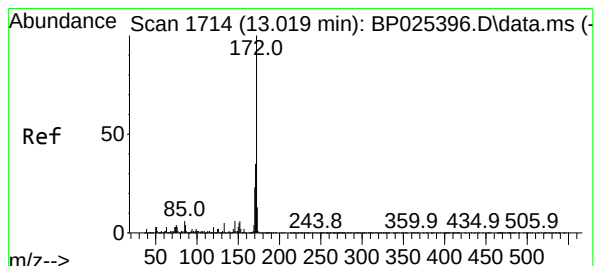
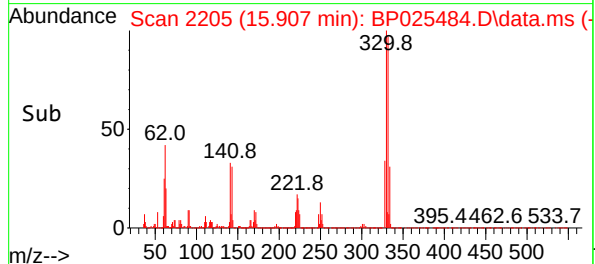
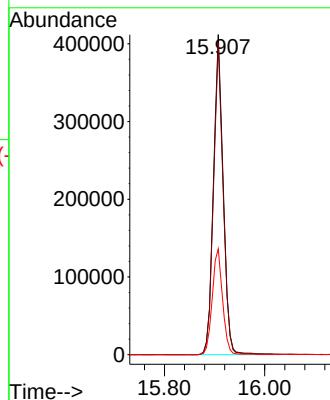
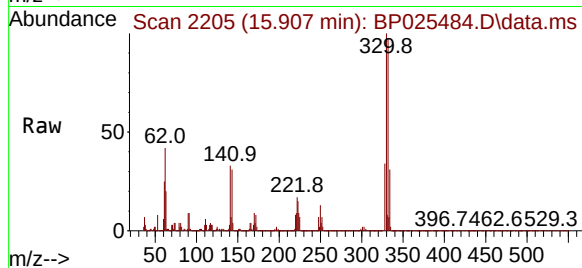




#42
2,4,6-Tribromophenol
Concen: 90.439 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025484.D
Acq: 19 Aug 2025 20:21

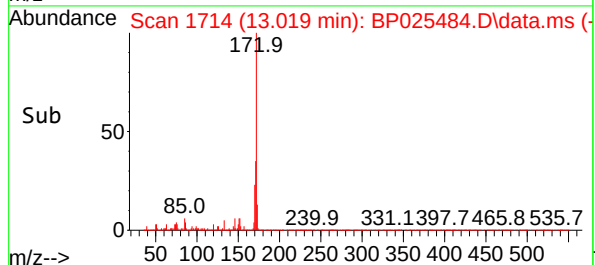
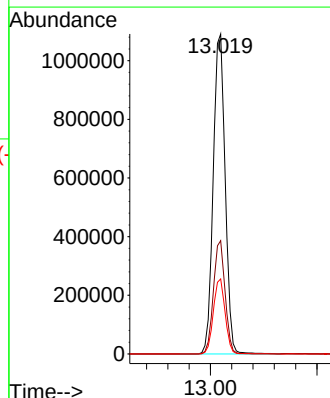
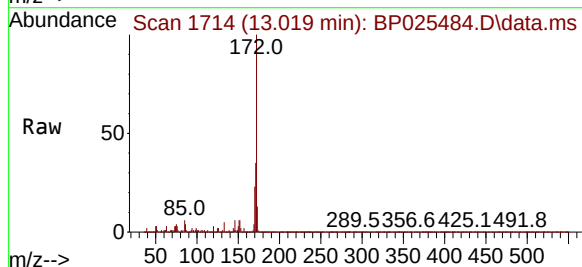
Instrument :
BNA_P
ClientSampleId :
TW-22M-N

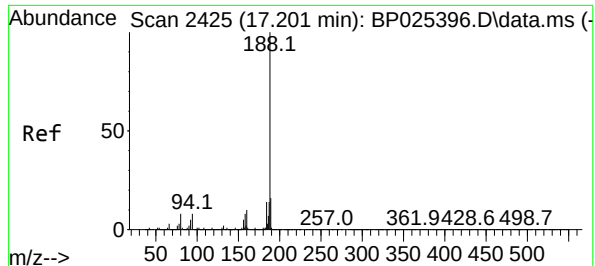
Tgt Ion: 330 Resp: 556953
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 34.8 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 50.877 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025484.D
Acq: 19 Aug 2025 20:21

Tgt Ion: 172 Resp: 1703207
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.5 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.184 min Scan# 2425

Delta R.T. -0.017 min

Lab File: BP025484.D

Acq: 19 Aug 2025 20:21

Instrument :

BNA_P

ClientSampleId :

TW-22M-N

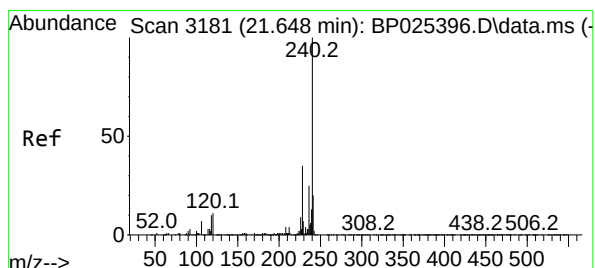
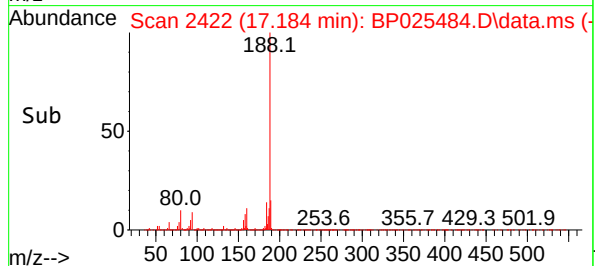
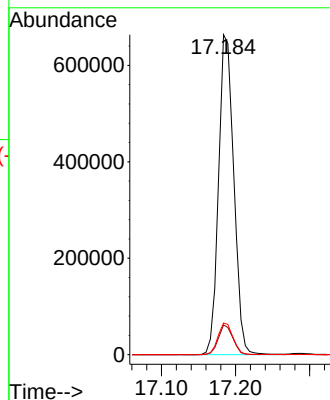
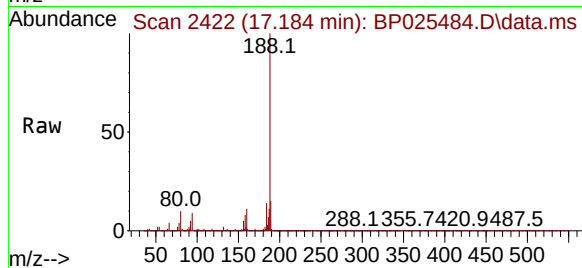
Tgt Ion:188 Resp: 948006

Ion Ratio Lower Upper

188 100

94 9.3 6.6 10.0

80 9.9 6.7 10.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.625 min Scan# 3177

Delta R.T. -0.023 min

Lab File: BP025484.D

Acq: 19 Aug 2025 20:21

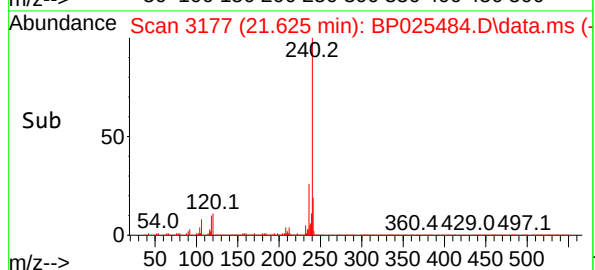
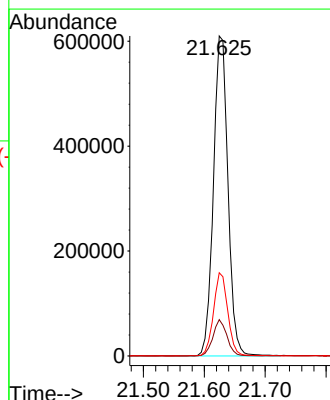
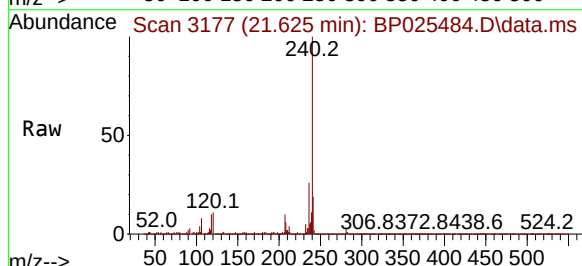
Tgt Ion:240 Resp: 1011218

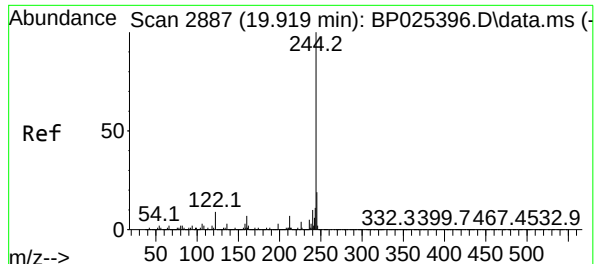
Ion Ratio Lower Upper

240 100

120 11.3 8.9 13.3

236 26.0 19.8 29.8





#79

Terphenyl-d14

Concen: 48.635 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025484.D

Acq: 19 Aug 2025 20:21

Instrument :

BNA_P

ClientSampleId :

TW-22M-N

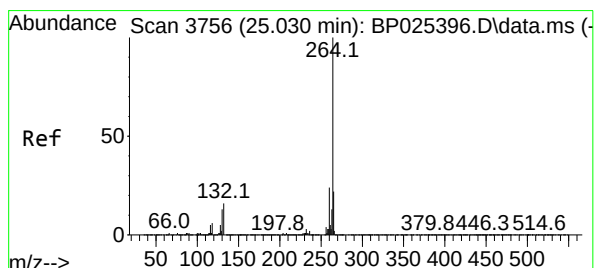
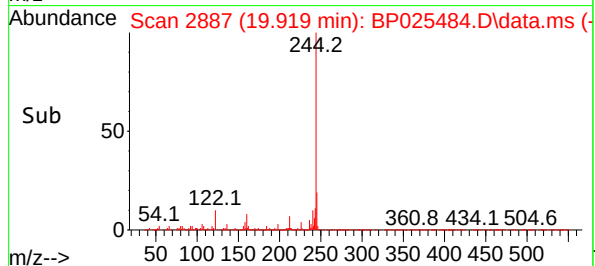
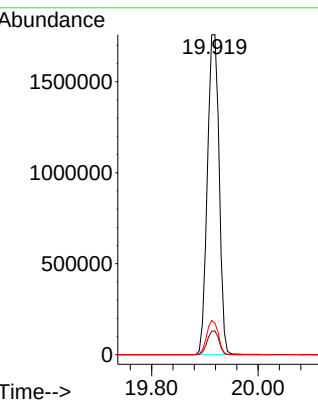
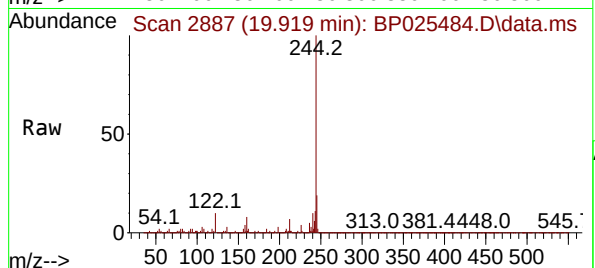
Tgt Ion:244 Resp: 2688109

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 9.8 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.995 min Scan# 3750

Delta R.T. -0.035 min

Lab File: BP025484.D

Acq: 19 Aug 2025 20:21

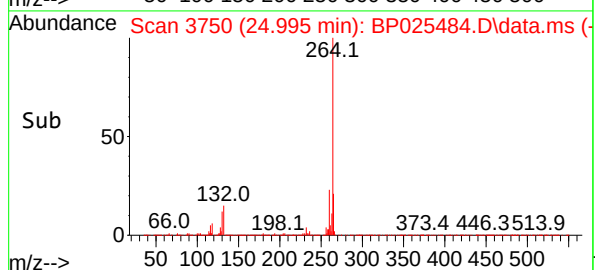
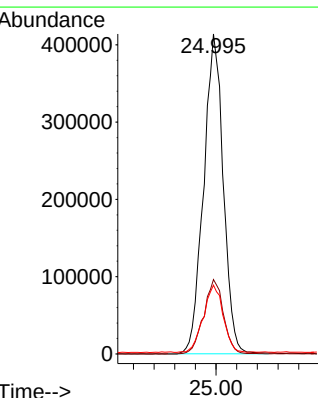
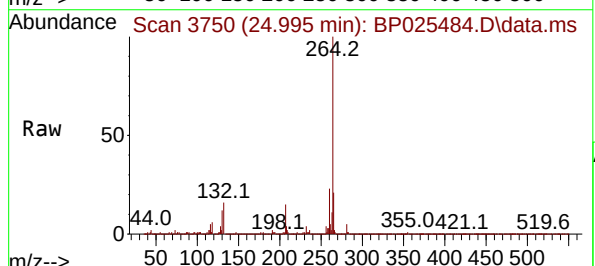
Tgt Ion:264 Resp: 1092932

Ion Ratio Lower Upper

264 100

260 23.2 19.3 28.9

265 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025484.D
Acq On : 19 Aug 2025 20:21
Operator : CG/JU
Sample : Q2815-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-N

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025484.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.043	13	18	40	rVB	2865259	3994236	54.55%	8.642%
2	4.949	336	342	352	rVB	296309	427358	5.84%	0.925%
3	5.408	413	420	432	rBV	1745632	2553970	34.88%	5.526%
4	6.967	677	685	701	rBV	1375201	2282300	31.17%	4.938%
5	7.790	818	825	833	rBV	645108	1014977	13.86%	2.196%
6	8.925	1010	1018	1038	rBV	1279817	2163482	29.55%	4.681%
7	10.055	1203	1210	1219	rBV	51900	95513	1.30%	0.207%
8	10.560	1286	1296	1309	rBV	800139	1402911	19.16%	3.035%
9	13.019	1704	1714	1727	rBV	3174525	4944206	67.53%	10.697%
10	14.401	1938	1949	1960	rBV	1306927	1947670	26.60%	4.214%
11	15.778	2176	2183	2190	rBV	564010	781784	10.68%	1.691%
12	15.907	2198	2205	2214	rBV	2987710	4233851	57.83%	9.160%
13	17.184	2416	2422	2432	rBV2	1638810	2373082	32.41%	5.134%
14	18.137	2578	2584	2592	rBV	780006	1136396	15.52%	2.459%
15	19.307	2779	2783	2785	rBV	100032	138566	1.89%	0.300%
16	19.366	2790	2793	2802	rVB2	116478	178443	2.44%	0.386%
17	19.460	2805	2809	2819	rBV	265901	407234	5.56%	0.881%
18	19.619	2832	2836	2840	rBV	211746	265364	3.62%	0.574%
19	19.736	2853	2856	2862	rVB	106704	127121	1.74%	0.275%
20	19.913	2881	2886	2893	rBV	4801757	7321714	100.00%	15.841%
21	20.260	2942	2945	2950	rVB	109016	132595	1.81%	0.287%
22	20.495	2982	2985	2989	rVB2	72295	78028	1.07%	0.169%
23	20.713	3019	3022	3026	rBV	177955	174742	2.39%	0.378%
24	20.778	3030	3033	3037	rVB	210288	223151	3.05%	0.483%
25	20.966	3062	3065	3072	rVB4	65324	77314	1.06%	0.167%
26	21.307	3118	3123	3132	rBV2	594479	1097366	14.99%	2.374%
27	21.625	3171	3177	3185	rBV	1648350	2707508	36.98%	5.858%
28	21.895	3219	3223	3233	rVB	238300	358220	4.89%	0.775%
29	22.554	3329	3335	3343	rVB4	206892	442798	6.05%	0.958%
30	23.295	3458	3461	3471	rVB2	150422	277767	3.79%	0.601%
31	24.995	3741	3750	3764	rVB	1068873	2861576	39.08%	6.191%

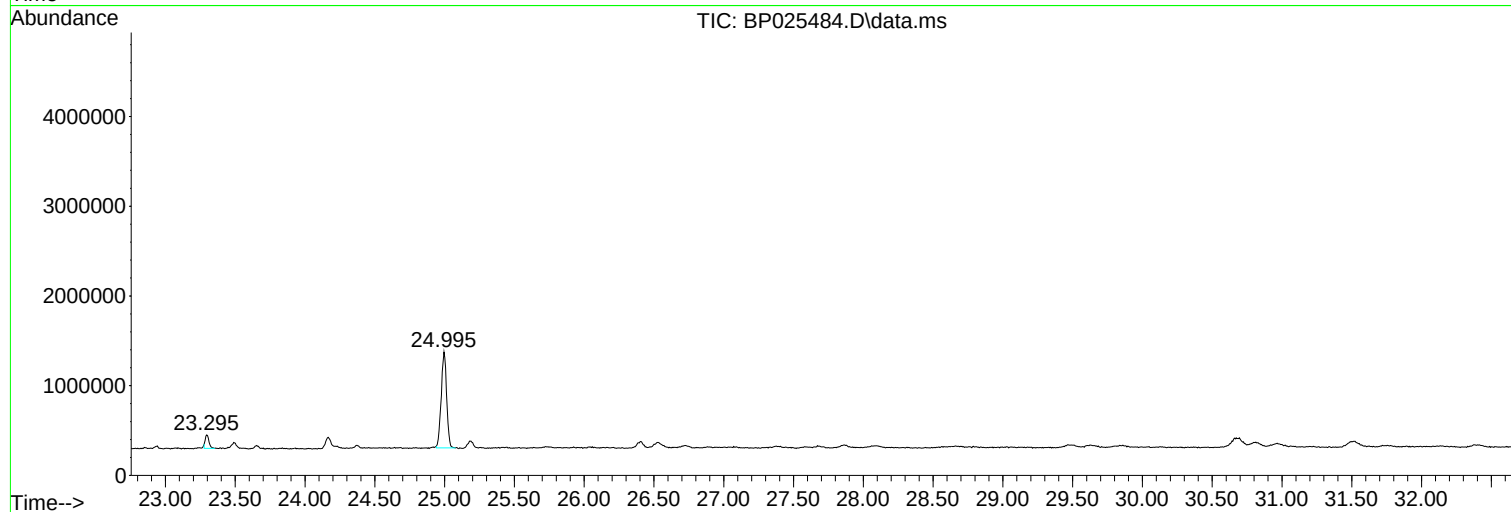
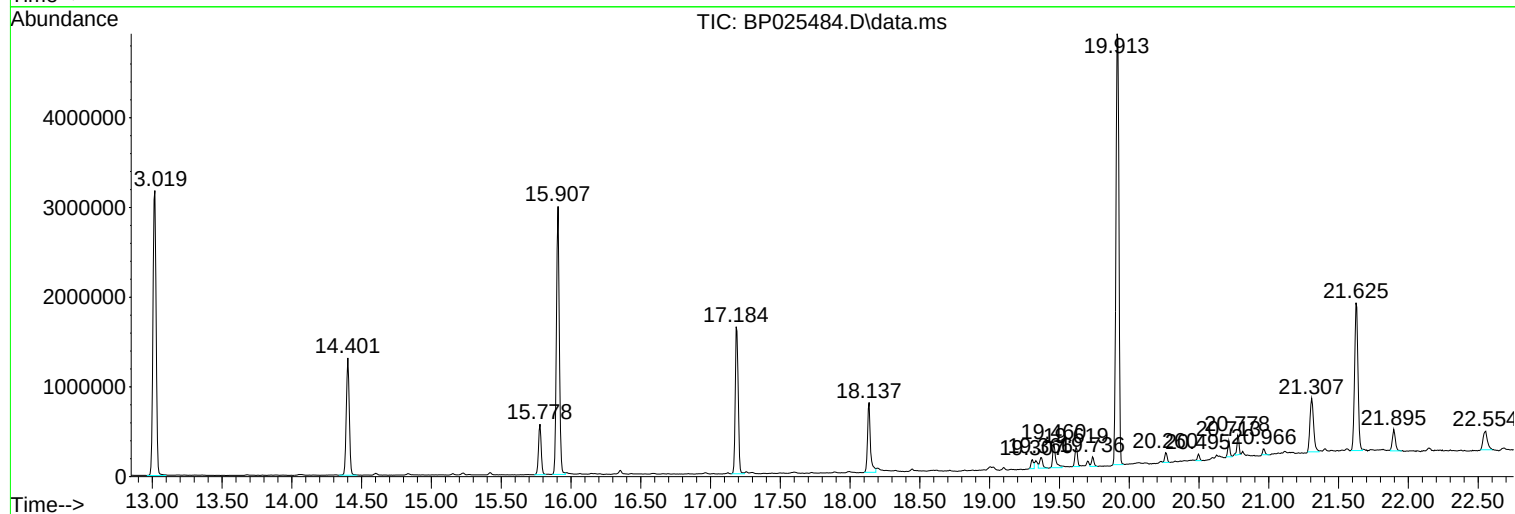
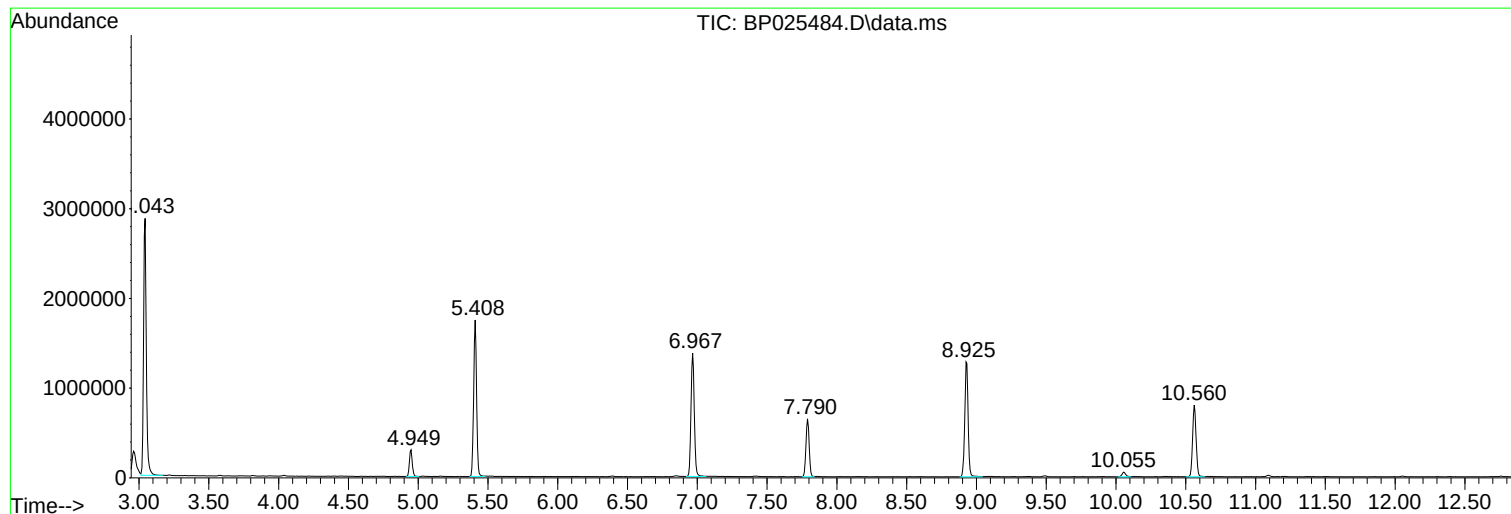
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Acq On : 19 Aug 2025 20:21
Operator : CG/JU
Sample : Q2815-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025484.D
Acq On : 19 Aug 2025 20:21
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ClientSampleId :
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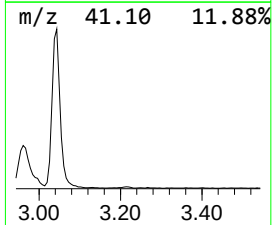
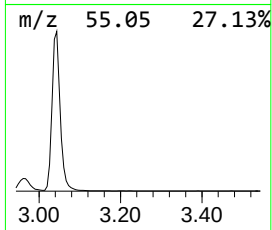
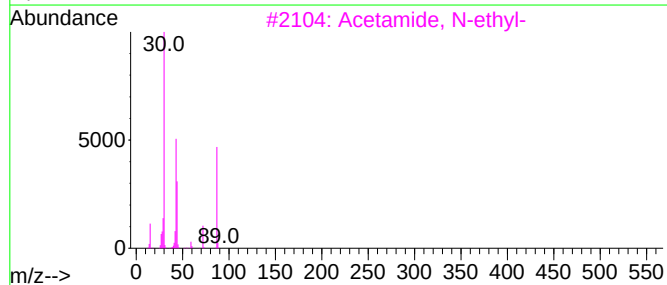
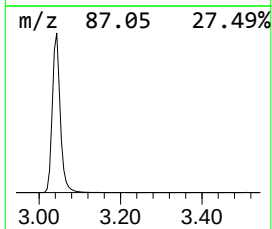
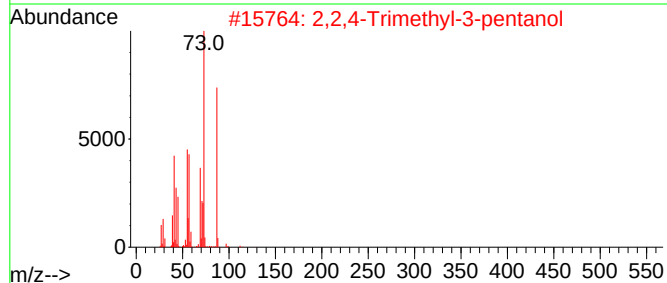
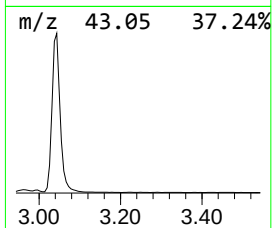
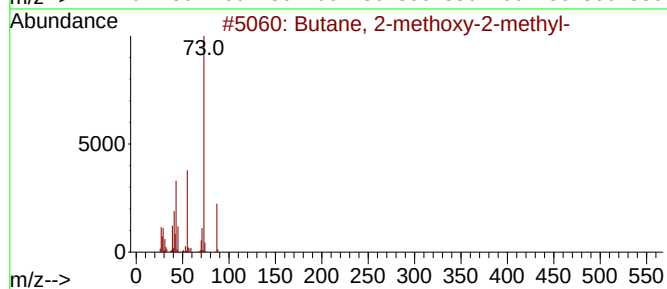
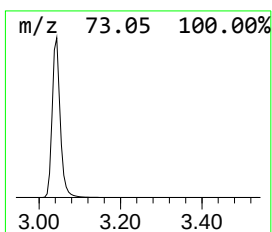
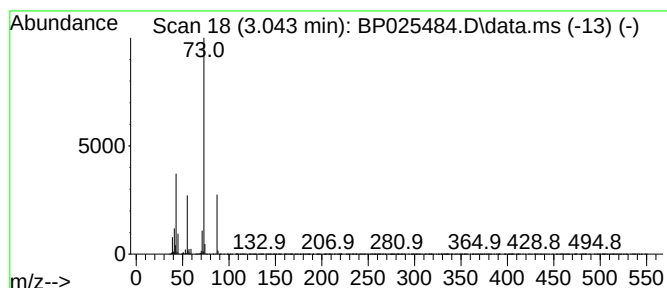
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	78.71 ng	3994240	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5			N-Ethylformamide	73	C3H7NO	000627-45-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
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Misc :
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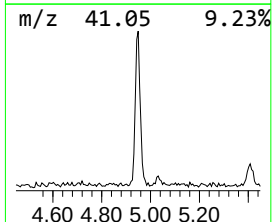
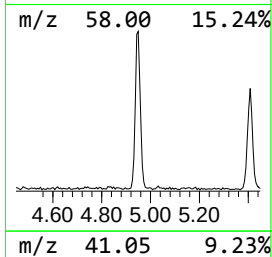
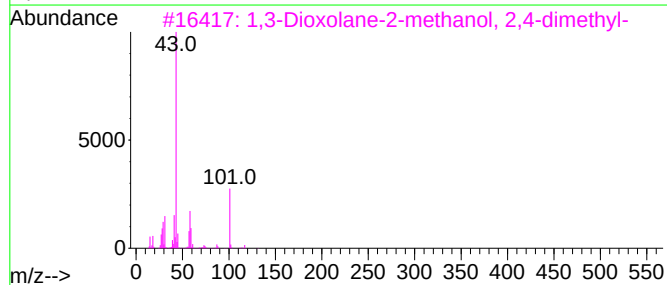
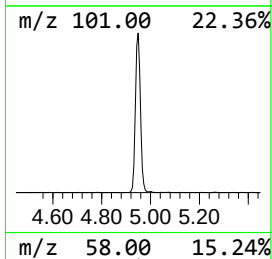
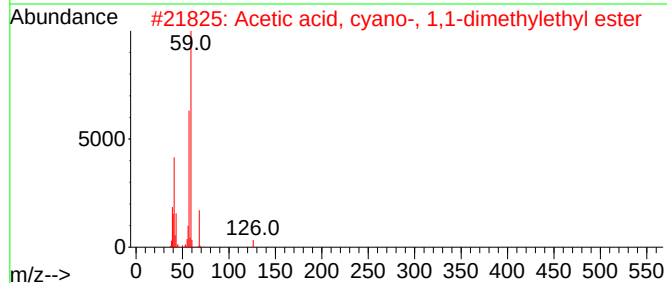
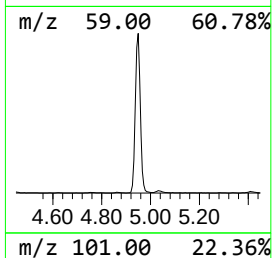
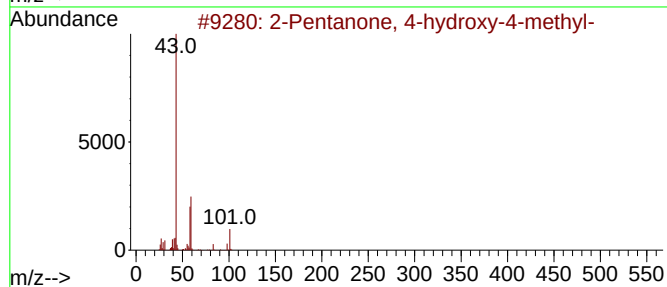
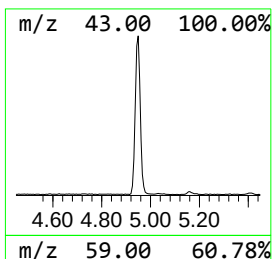
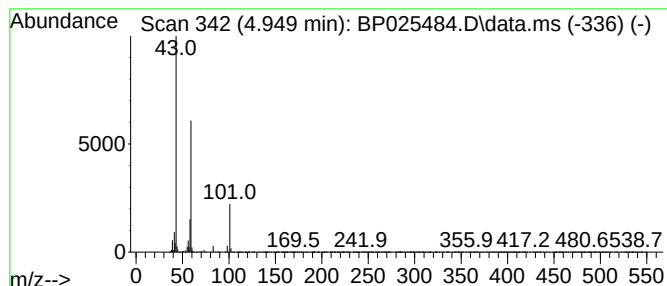
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.949	8.42 ng	427358	1,4-Dichlorobenzene-d4	7.790	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25
4	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
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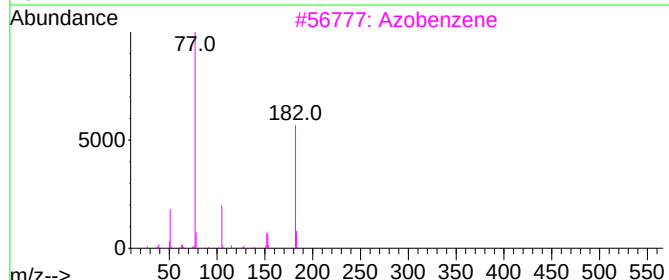
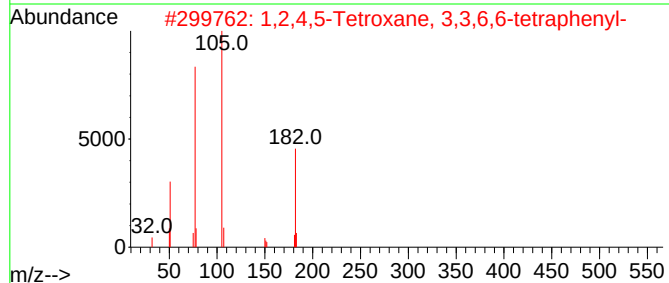
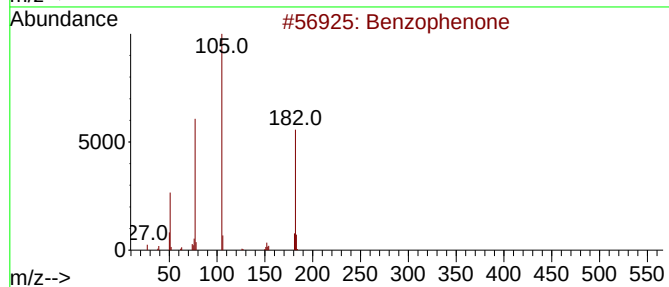
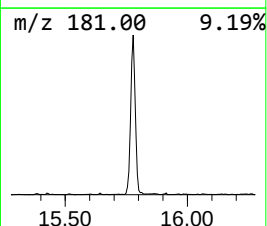
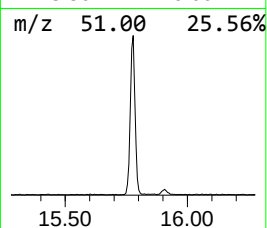
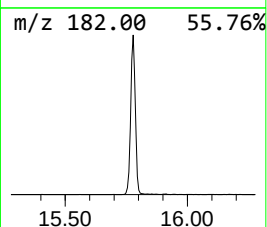
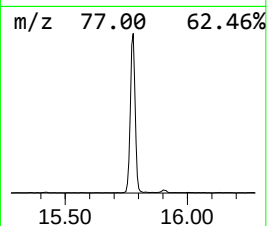
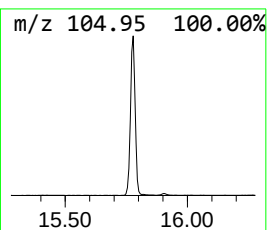
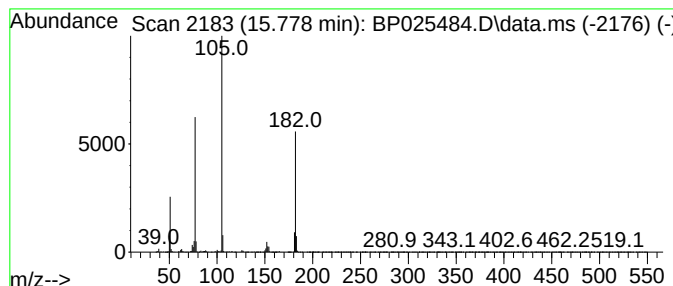
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	8.03 ng	781784	Acenaphthene-d10	14.401

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3			Azobenzene	182	C12H10N2	000103-33-3	64
4			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45
5			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
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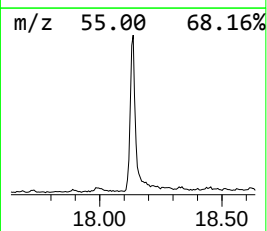
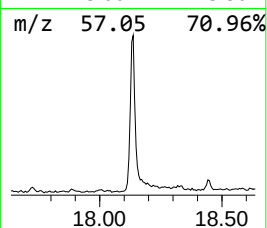
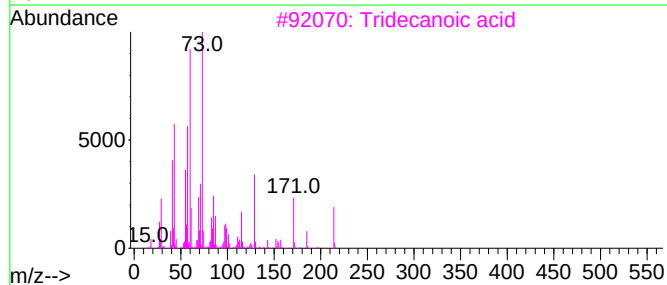
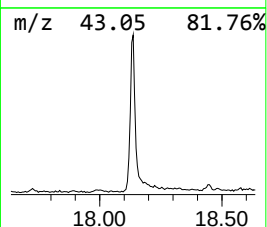
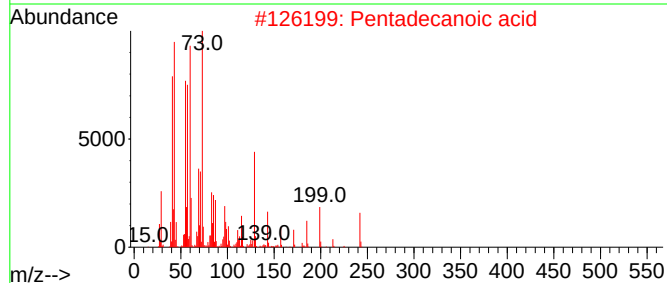
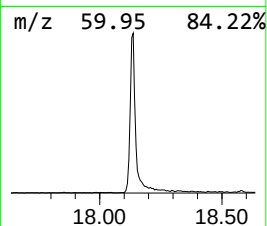
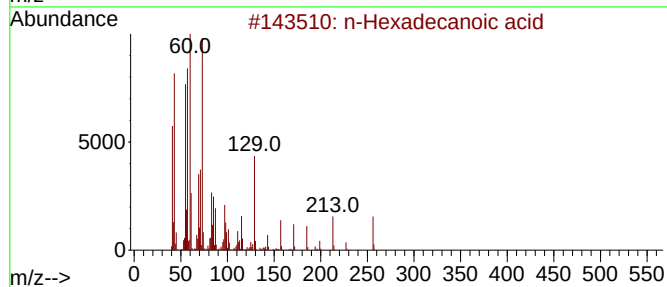
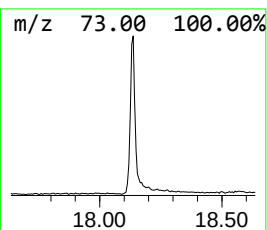
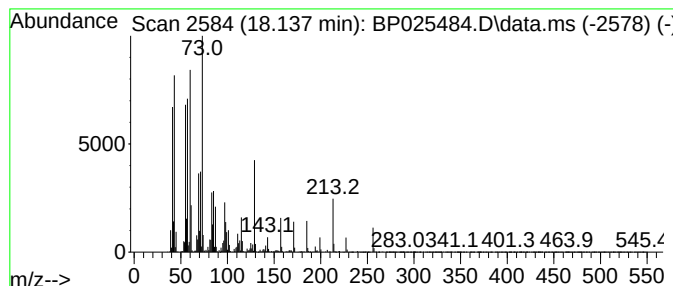
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.137	9.58 ng	1136400	Phenanthrene-d10	17.184

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3			Tridecanoic acid	214	C13H26O2	000638-53-9	91
4			Undecanoic acid	186	C11H22O2	000112-37-8	81
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	76



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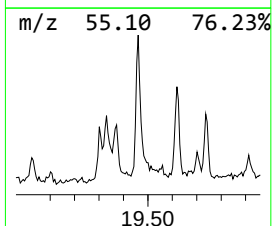
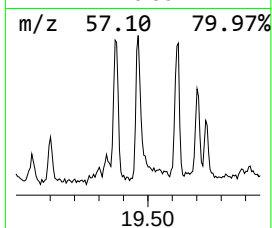
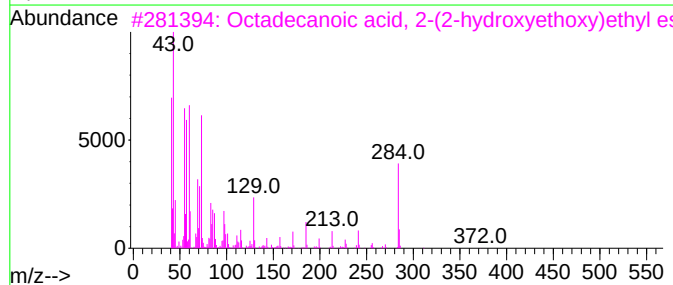
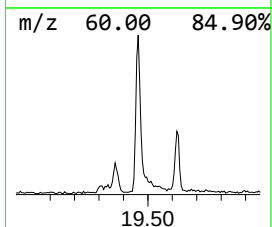
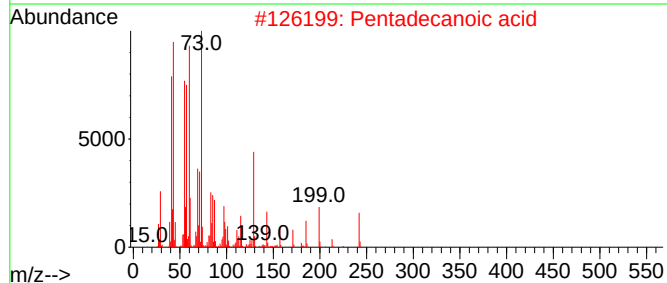
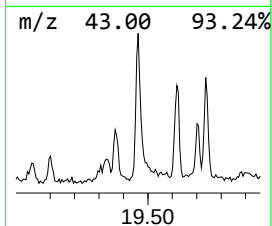
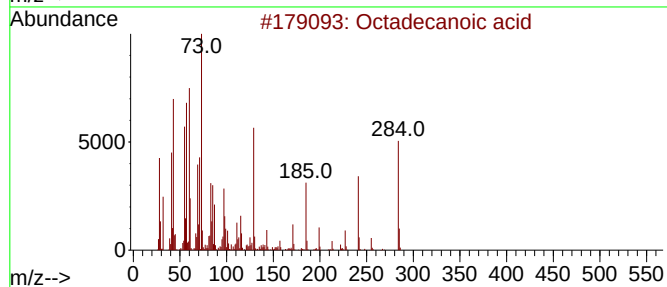
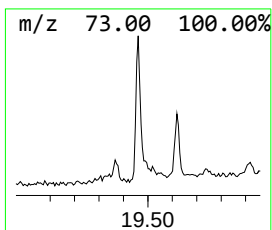
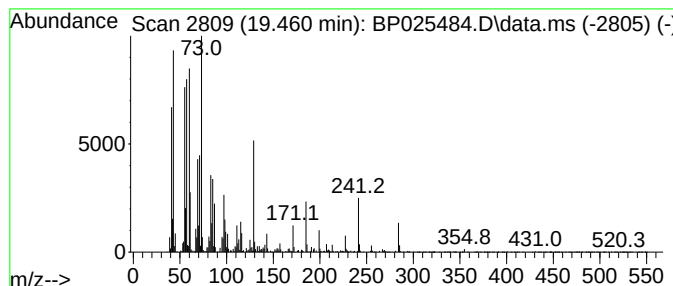
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.460	3.01 ng	407234	Chrysene-d12	21.625

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83



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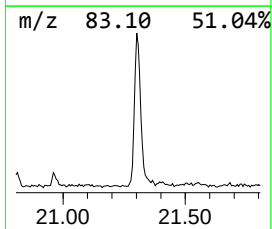
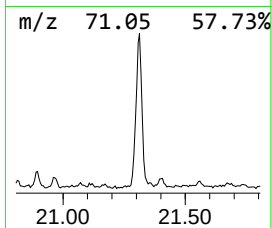
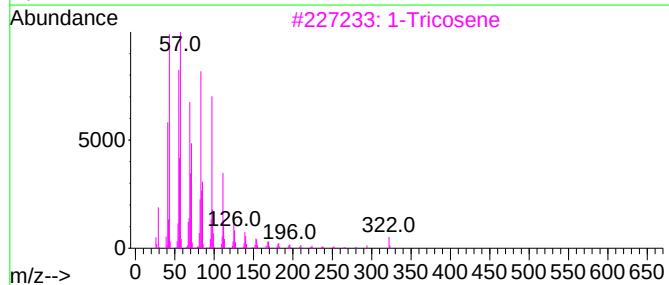
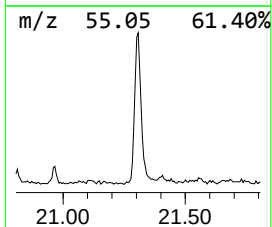
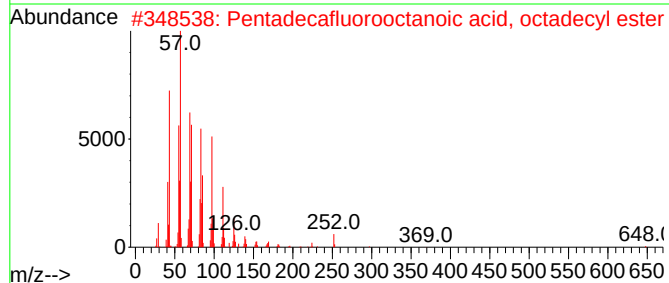
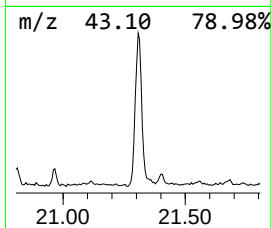
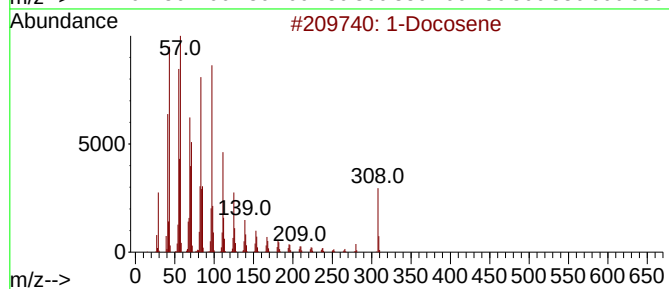
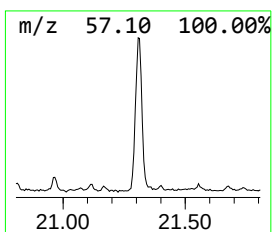
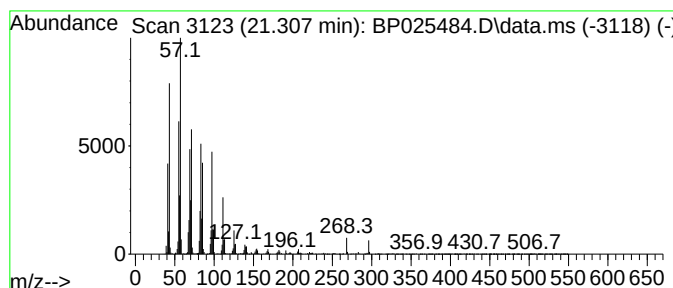
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TIC Library : C:\Database\NIST20.L
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Peak Number 6 1-Docosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.307	8.11 ng	1097370	Chrysene-d12	21.625

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene		308	C22H44	001599-67-3	92
2	Pentadecafluorooctanoic acid, oc...		666	C26H37F15O2	1000406-04-8	91
3	1-Tricosene		322	C23H46	018835-32-0	91
4	1-Decanol, 2-hexyl-		242	C16H34O	002425-77-6	89
5	Tricosyl trifluoroacetate		436	C25H47F3O2	1000351-75-1	87



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ClientSampleId :
TW-22M-N

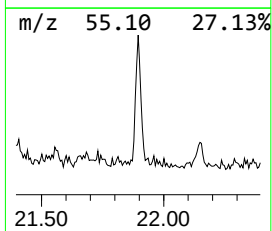
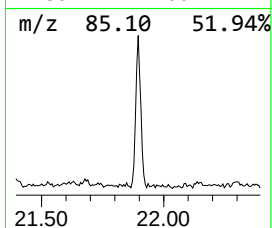
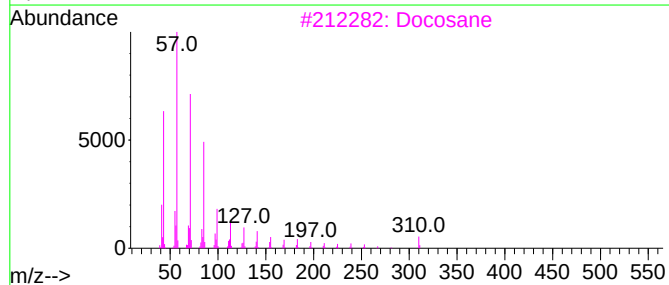
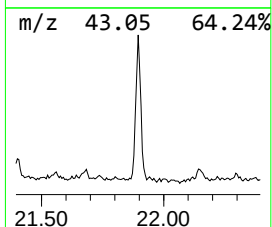
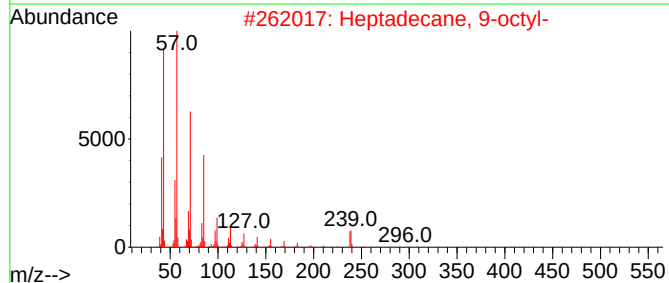
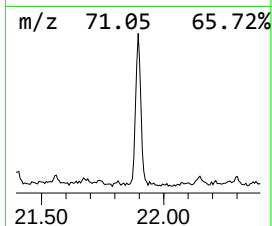
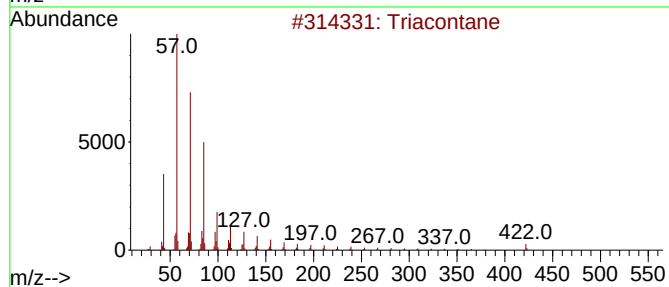
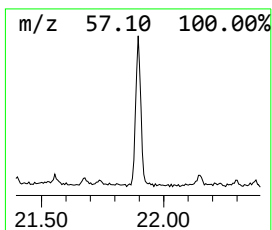
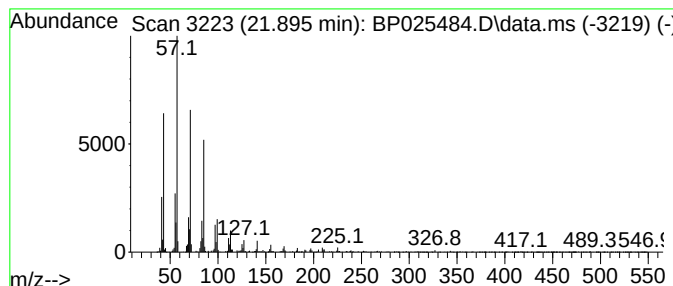
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Triacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.895	2.65 ng	358220	Chrysene-d12	21.625

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triacontane	422	C30H62	000638-68-6	97
2			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	94
3			Docosane	310	C22H46	000629-97-0	93
4			Hexacosane	366	C26H54	000630-01-3	93
5			Docosane, 11-butyl-	366	C26H54	013475-76-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025484.D
Acq On : 19 Aug 2025 20:21
Operator : CG/JU
Sample : Q2815-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-N

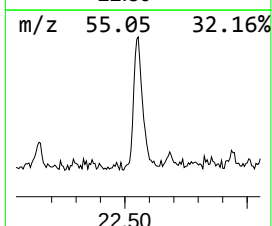
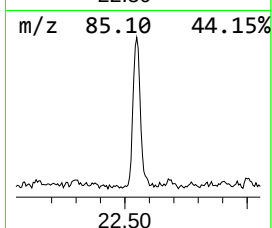
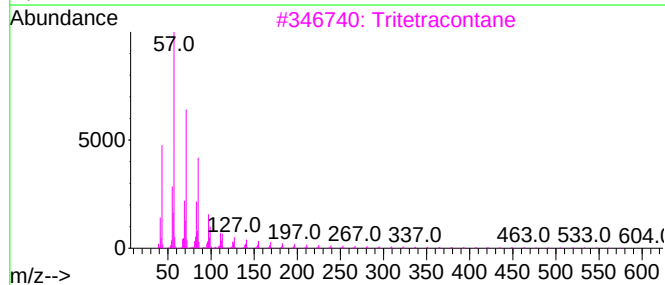
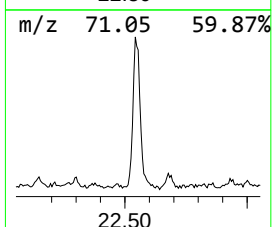
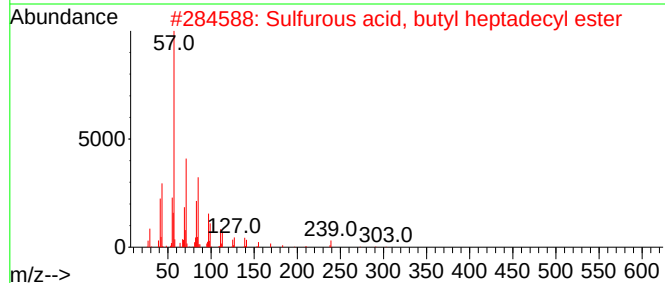
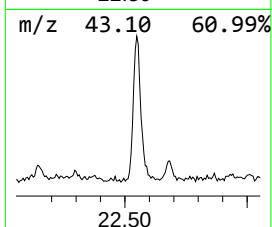
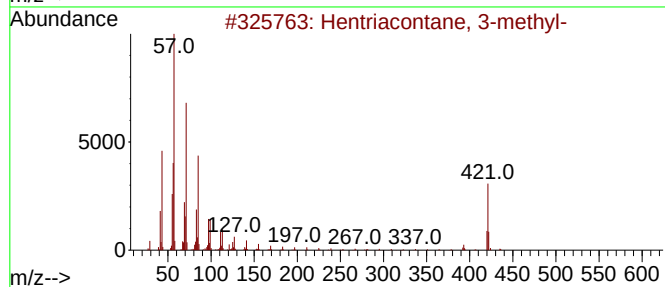
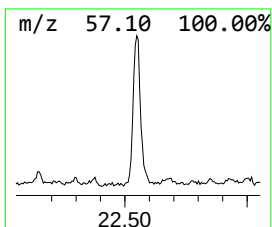
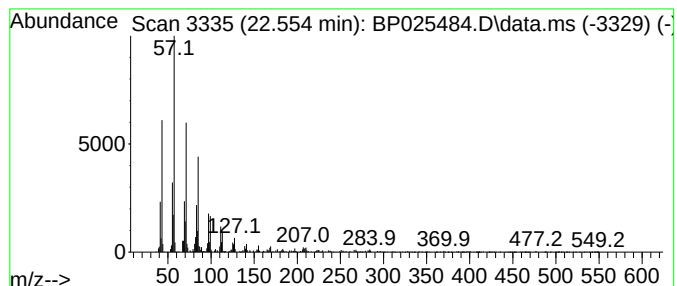
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hentriacontane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.554	3.27 ng	442798	Chrysene-d12	21.625

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hentriacontane, 3-methyl-	451	C32H66	004981-99-1	94
2			Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	91
3			Tritetracontane	605	C43H88	007098-21-7	91
4			Tetratriacontane, 17-hexadecyl-	703	C50H102	055256-07-0	91
5			Tetratetracontane	619	C44H90	007098-22-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025484.D
Acq On : 19 Aug 2025 20:21
Operator : CG/JU
Sample : Q2815-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-N

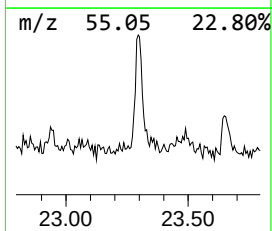
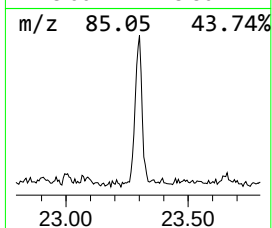
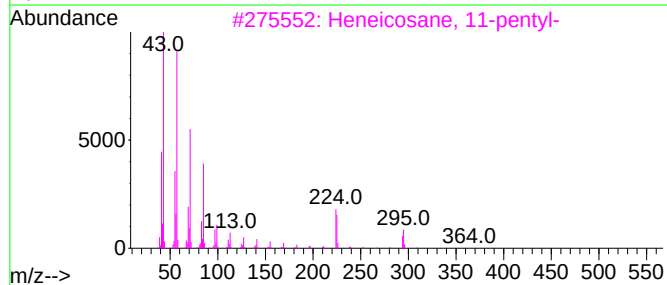
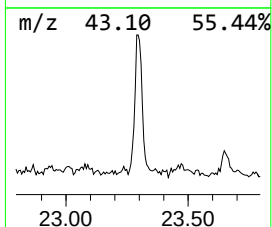
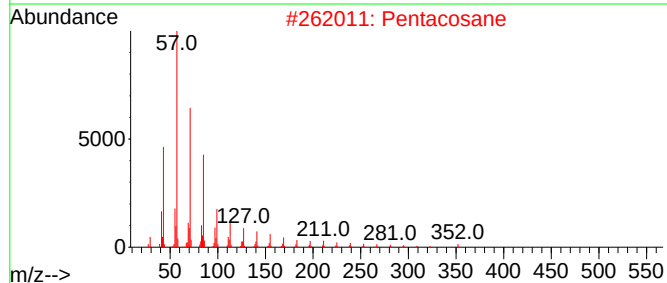
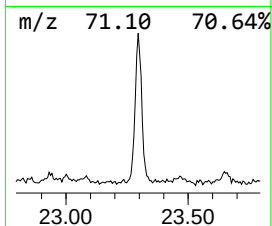
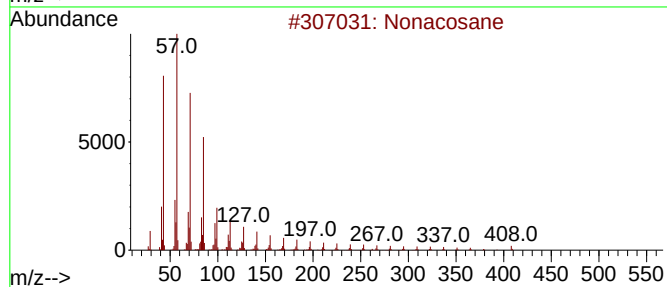
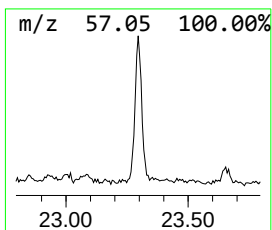
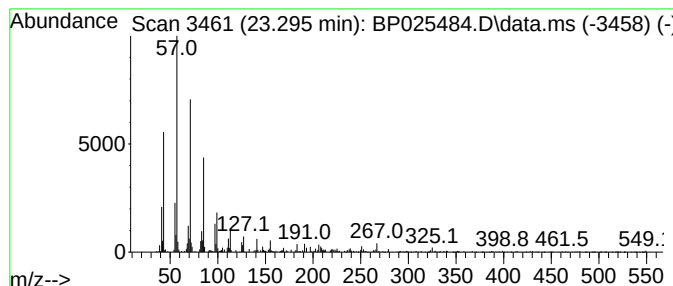
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Nonacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.295	2.05 ng	277767	Chrysene-d12	21.625

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonacosane	408	C29H60	000630-03-5	90
2		Pentacosane	352	C25H52	000629-99-2	90
3		Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	90
4		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90
5		2-Methylheptacosane	394	C28H58	001561-00-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025484.D
Acq On : 19 Aug 2025 20:21
Operator : CG/JU
Sample : Q2815-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-22M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.043	78.7	ng	3994240	1	7.790	1014980	20.0
2-Pentanone, 4-...	4.949	8.4	ng	427358	1	7.790	1014980	20.0
Benzophenone	15.778	8.0	ng	781784	3	14.401	1947670	20.0
n-Hexadecanoic ...	18.137	9.6	ng	1136400	4	17.184	2373080	20.0
Octadecanoic acid	19.460	3.0	ng	407234	5	21.625	2707510	20.0
1-Docosene	21.307	8.1	ng	1097370	5	21.625	2707510	20.0
triacontane	21.895	2.6	ng	358220	5	21.625	2707510	20.0
Hentriacontane,...	22.554	3.3	ng	442798	5	21.625	2707510	20.0
Nonacosane	23.295	2.0	ng	277767	5	21.625	2707510	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-15	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143535.D	1	08/12/25 11:39	08/21/25 17:36	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-15	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143535.D	1	08/12/25 11:39	08/21/25 17:36	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-15	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143535.D	1	08/12/25 11:39	08/21/25 17:36	PB169230

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

SURROGATES

367-12-4	2-Fluorophenol	76.5		19 - 119		51%	SPK: 150
13127-88-3	Phenol-d6	65.8		10 - 130		44%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.4		44 - 120		71%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.4		44 - 119		69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.7		43 - 140		62%	SPK: 150
1718-51-0	Terphenyl-d14	58.5		50 - 134		59%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	124000	6.928
1146-65-2	Naphthalene-d8	464000	8.204
15067-26-2	Acenaphthene-d10	243000	9.963
1517-22-2	Phenanthrene-d10	341000	11.451
1719-03-5	Chrysene-d12	246000	14.092
1520-96-3	Perylene-d12	287000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	100	J		2.27	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	11.2	AB		5.16	ug/L
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	8.80	J		8.10	ug/L
000119-61-9	Benzophenone	7.70	J		10.7	ug/L
000057-10-3	n-Hexadecanoic acid	5.60	J		12.0	ug/L
000110-34-9	Hexadecanoic acid, 2-methylpropyl	4.90	J		12.7	ug/L
000111-06-8	Hexadecanoic acid, butyl ester	9.10	J		12.9	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-15	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143535.D	1	08/12/25 11:39	08/21/25 17:36	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
001577-43-1	1-Acetoxynonadecane	2.00	J			12.9	ug/L
000646-13-9	Octadecanoic acid, 2-methylpropyl	3.00	J			13.4	ug/L
000123-95-5	Octadecanoic acid, butyl ester	5.80	J			13.6	ug/L
000629-78-7	Heptadecane	2.50	J			13.6	ug/L
000630-06-8	Hexatriacontane	2.50	J			13.9	ug/L
000112-95-8	Eicosane	2.40	J			14.2	ug/L
000630-02-4	Octacosane	2.40	J			14.6	ug/L
000630-01-3	Hexacosane	2.30	J			15.2	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143535.D
Acq On : 21 Aug 2025 17:36
Operator : RC/JU
Sample : Q2815-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-E

Quant Time: Aug 21 18:09:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	123661	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	463978	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	243046	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	340891	20.000	ng	0.00
76) Chrysene-d12	14.092	240	245599	20.000	ng	-0.01
86) Perylene-d12	15.592	264	286900	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	542071	76.543	ng	0.00
7) Phenol-d6	6.557	99	575192	65.795	ng	-0.02
23) Nitrobenzene-d5	7.486	82	567435	71.367	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	211899	93.661	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	1020415	69.387	ng	0.00
79) Terphenyl-d14	13.033	244	823575	58.517	ng	0.00

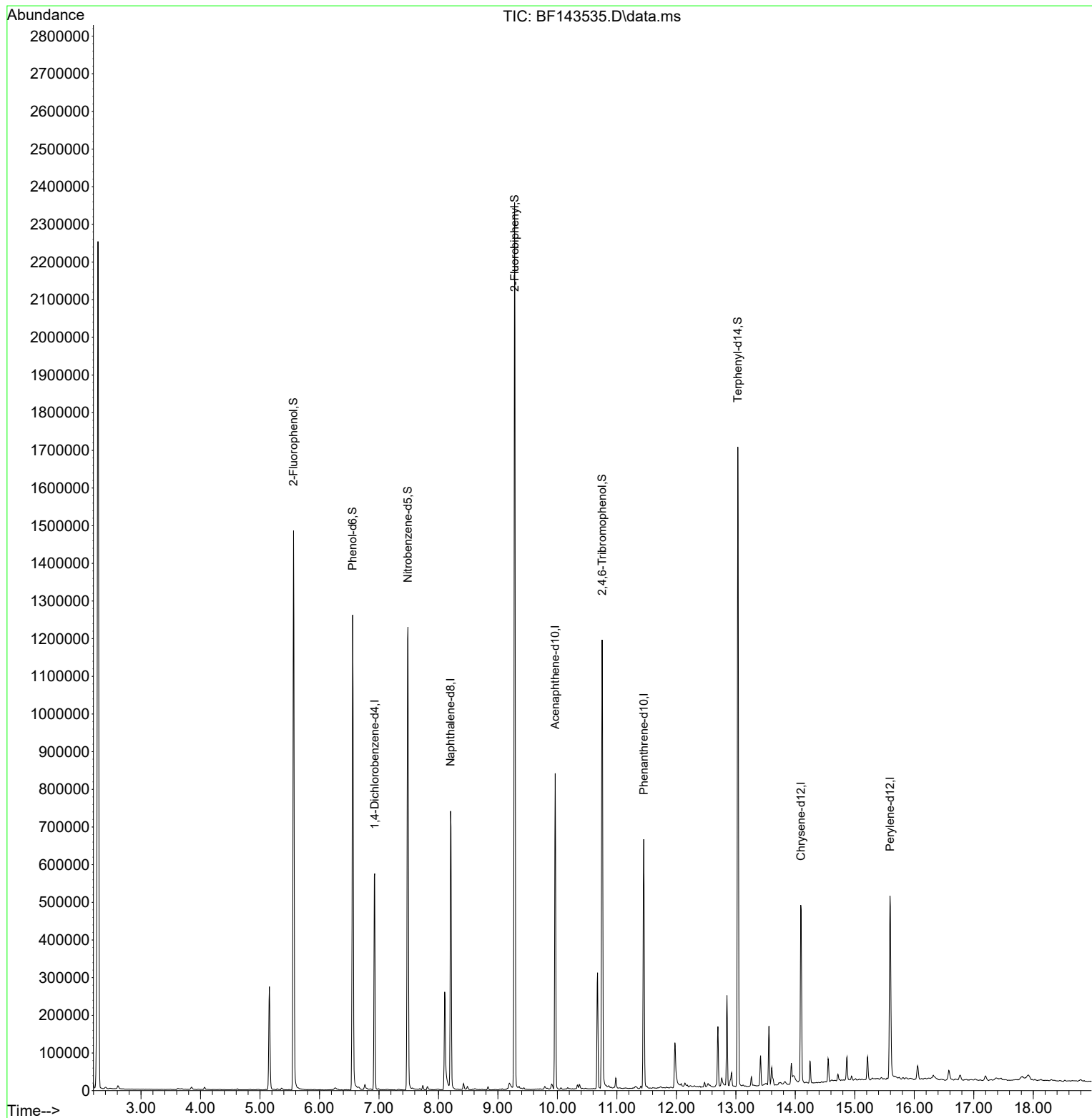
Target Compounds	Qvalue
------------------	--------

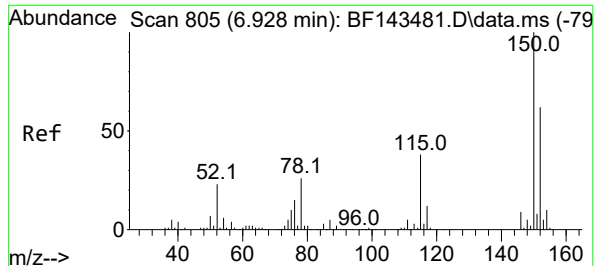
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143535.D
Acq On : 21 Aug 2025 17:36
Operator : RC/JU
Sample : Q2815-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-E

Quant Time: Aug 21 18:09:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

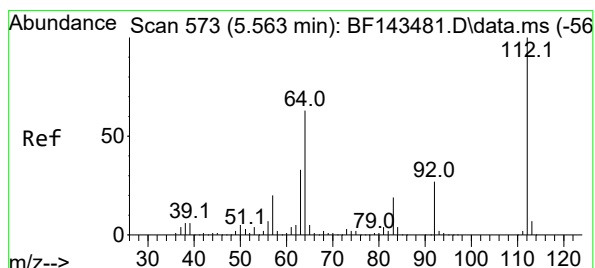
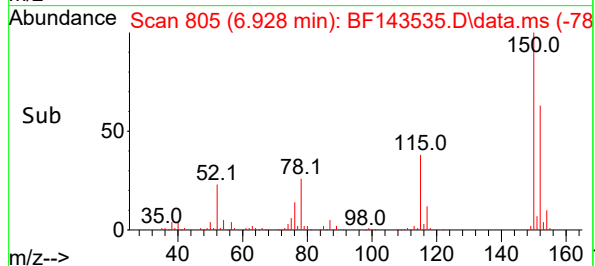
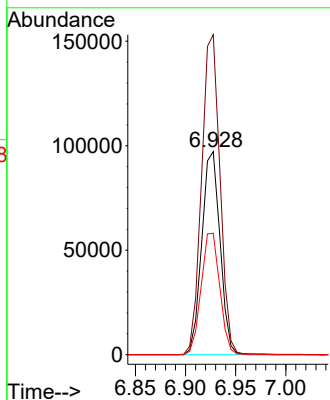
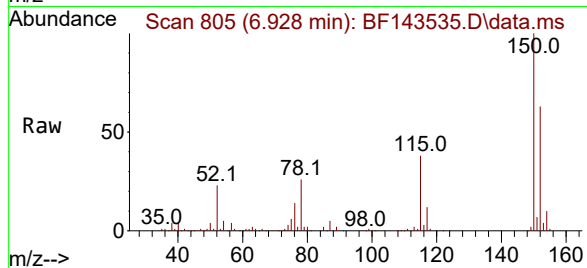




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143535.D
Acq: 21 Aug 2025 17:36

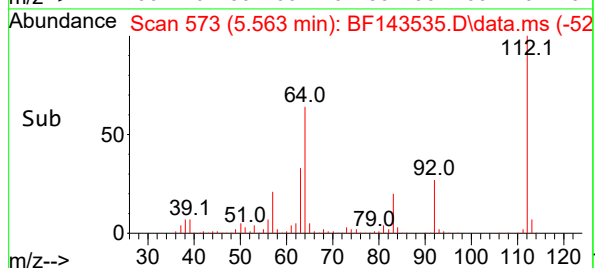
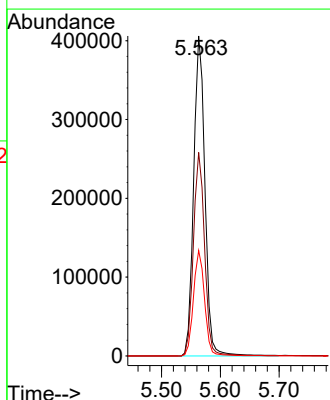
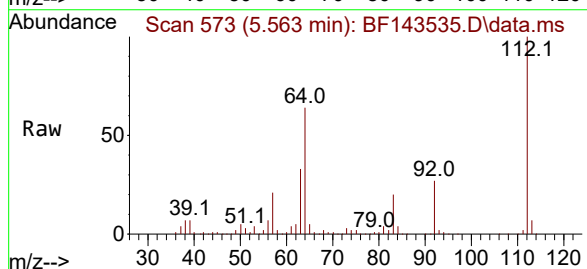
Instrument :
BNA_F
ClientSampleId :
TW-17M-E

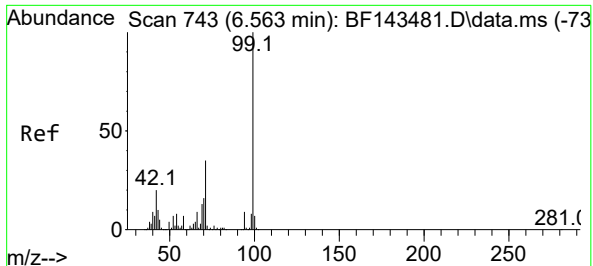
Tgt Ion:152 Resp: 123661
Ion Ratio Lower Upper
152 100
150 157.6 128.9 193.3
115 59.8 49.2 73.8



#5
2-Fluorophenol
Concen: 76.543 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143535.D
Acq: 21 Aug 2025 17:36

Tgt Ion:112 Resp: 542071
Ion Ratio Lower Upper
112 100
64 63.6 50.4 75.6
63 32.9 26.4 39.6

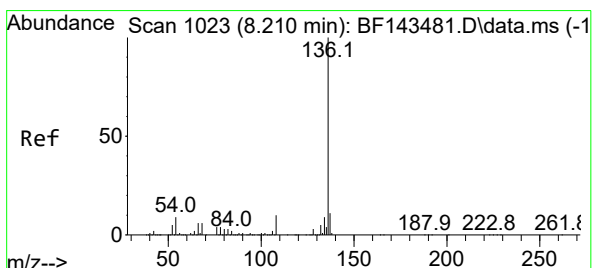
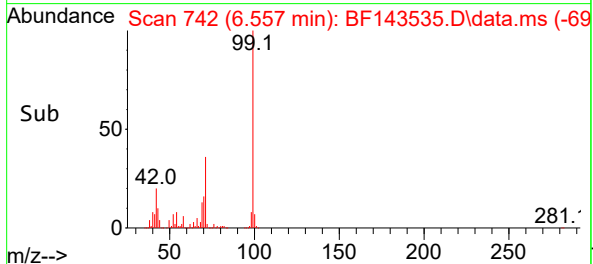
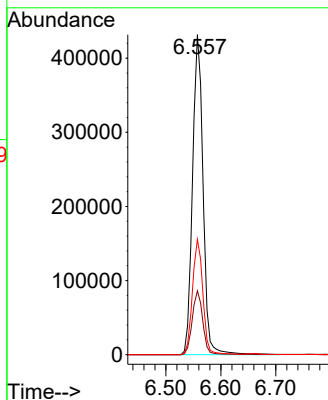
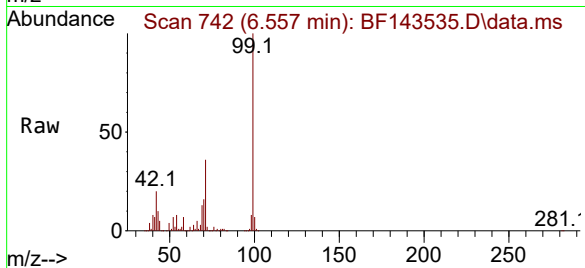




#7
Phenol-d6
Concen: 65.795 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143535.D
Acq: 21 Aug 2025 17:36

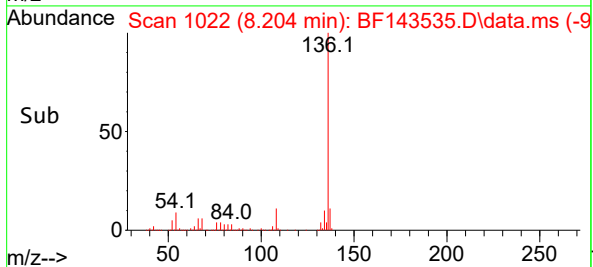
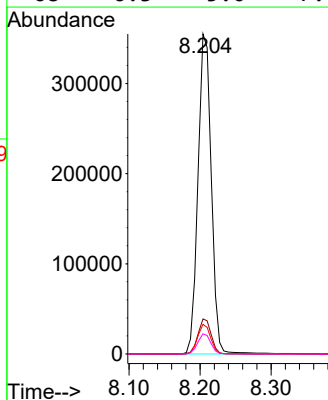
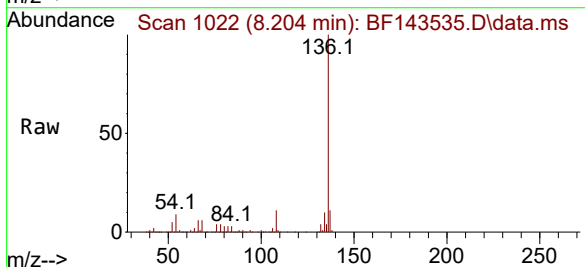
Instrument :
BNA_F
ClientSampleId :
TW-17M-E

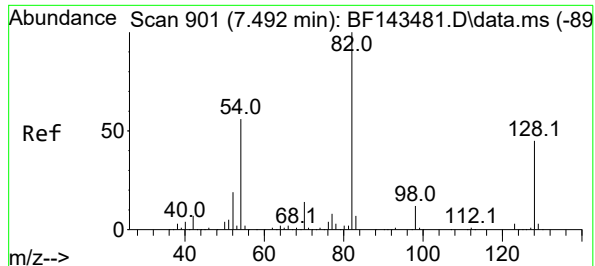
Tgt Ion: 99 Resp: 575192
Ion Ratio Lower Upper
99 100
42 20.0 16.3 24.5
71 36.1 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143535.D
Acq: 21 Aug 2025 17:36

Tgt Ion: 136 Resp: 463978
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.3 7.4 11.2
68 6.3 5.0 7.4

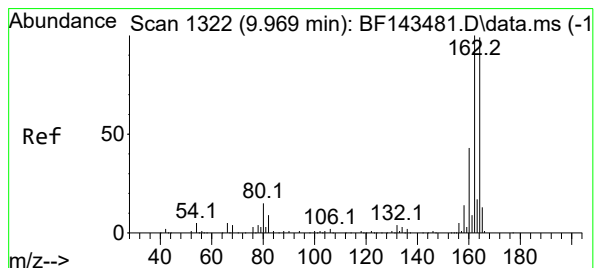
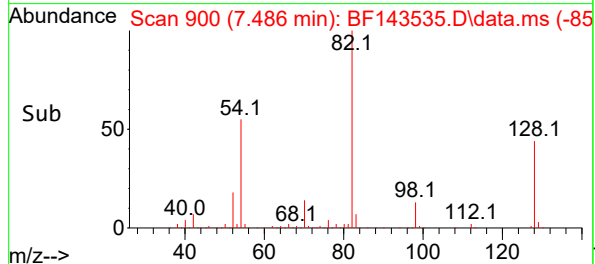
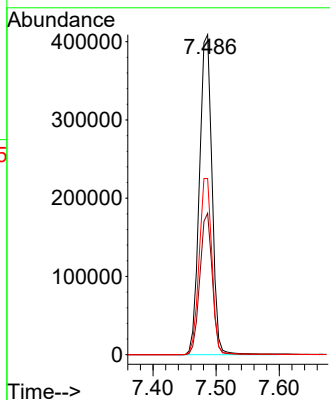
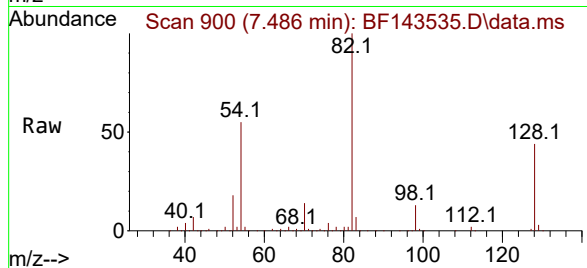




#23
Nitrobenzene-d5
Concen: 71.367 ng
RT: 7.486 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF143535.D
Acq: 21 Aug 2025 17:36

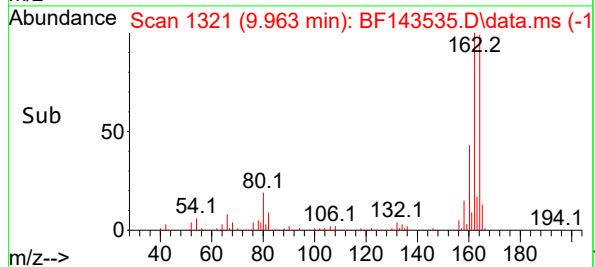
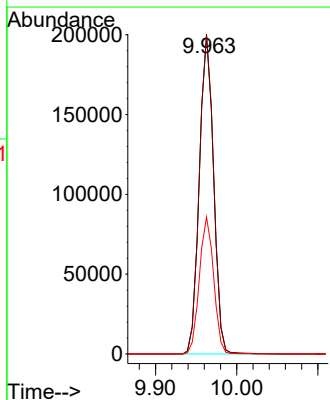
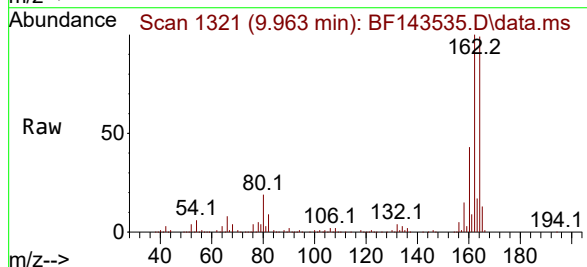
Instrument :
BNA_F
ClientSampleId :
TW-17M-E

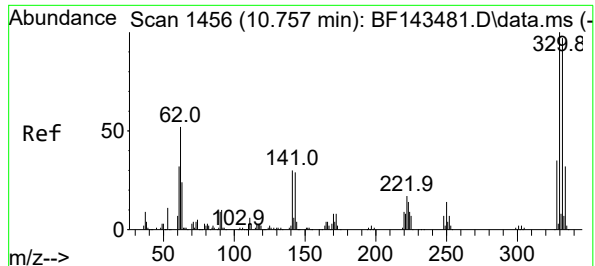
Tgt Ion: 82 Resp: 567435
Ion Ratio Lower Upper
82 100
128 44.2 35.5 53.3
54 55.1 44.3 66.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143535.D
Acq: 21 Aug 2025 17:36

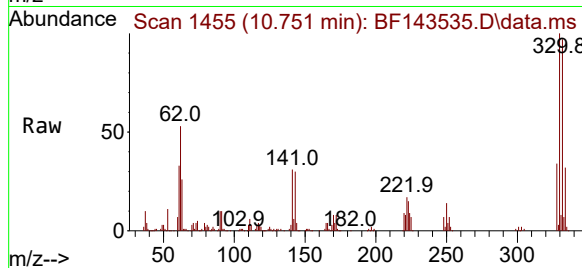
Tgt Ion: 164 Resp: 243046
Ion Ratio Lower Upper
164 100
162 100.5 80.5 120.7
160 43.0 34.3 51.5



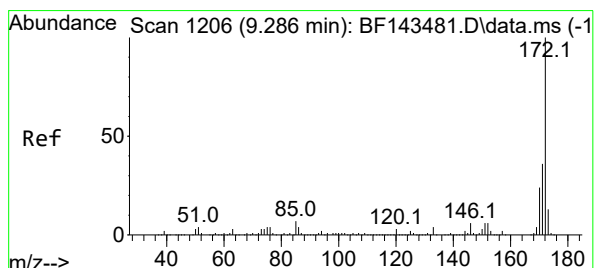
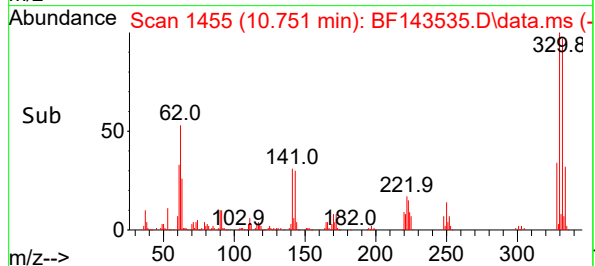
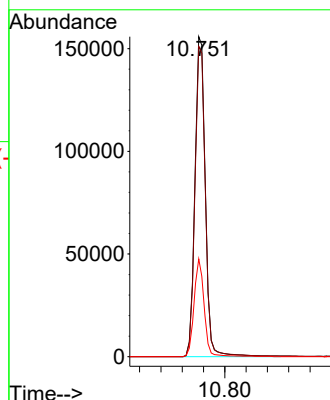


#42
2,4,6-Tribromophenol
Concen: 93.661 ng
RT: 10.751 min Scan# 1456
Delta R.T. -0.012 min
Lab File: BF143535.D
Acq: 21 Aug 2025 17:36

Instrument :
BNA_F
ClientSampleId :
TW-17M-E

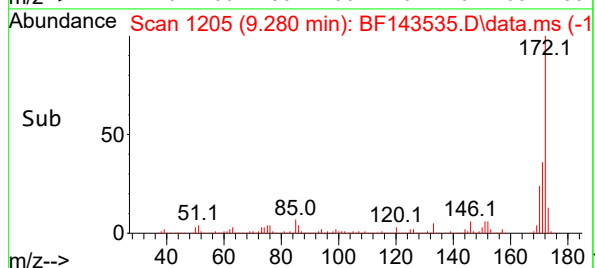
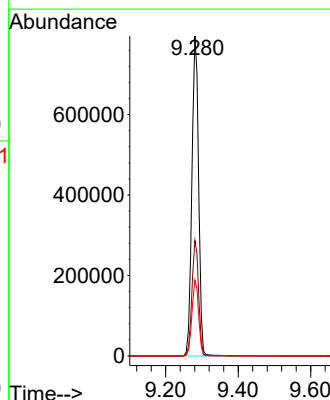
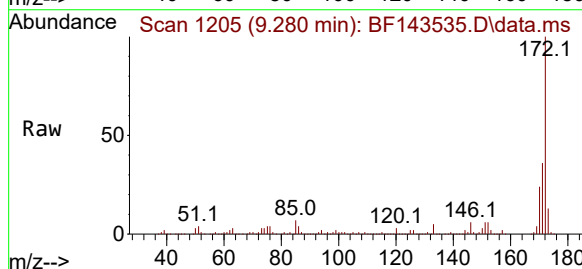


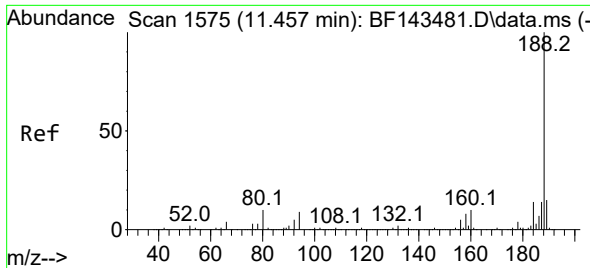
Tgt Ion:330 Resp: 211899
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 29.7 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 69.387 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143535.D
Acq: 21 Aug 2025 17:36

Tgt Ion:172 Resp: 1020415
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.7 18.8 28.2

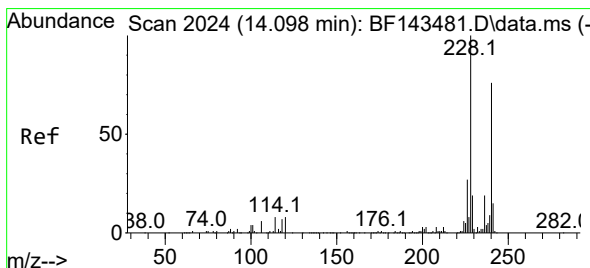
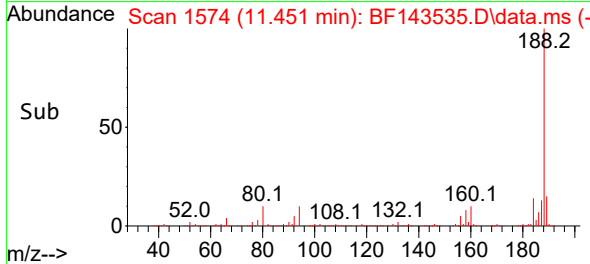
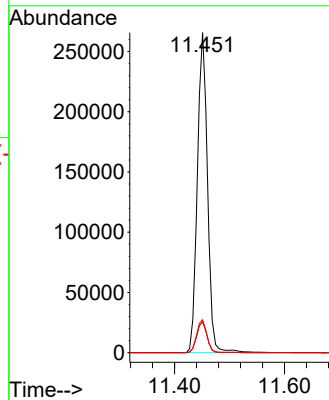
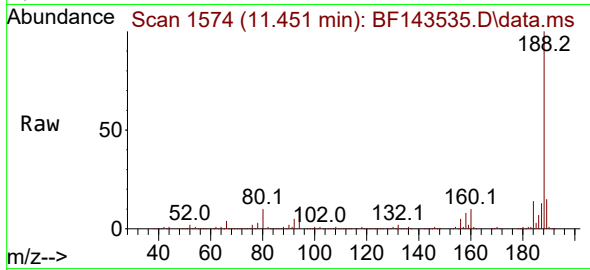




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143535.D
Acq: 21 Aug 2025 17:36

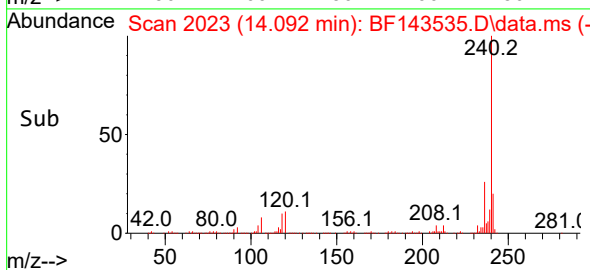
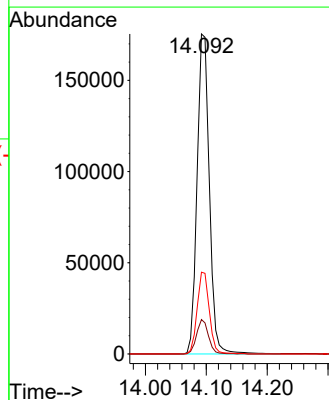
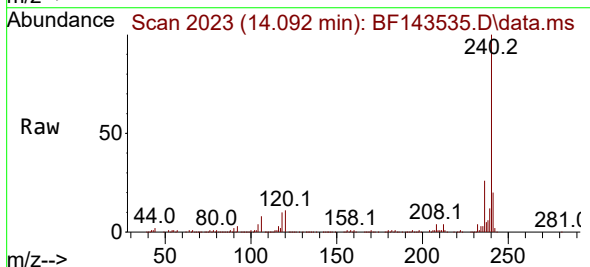
Instrument :
BNA_F
ClientSampleId :
TW-17M-E

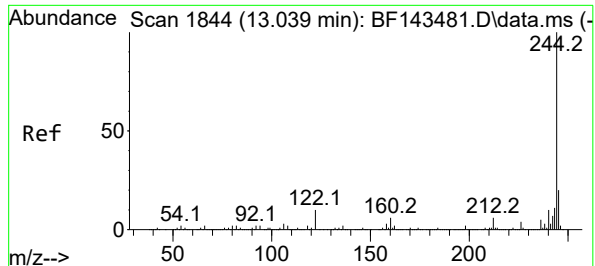
Tgt Ion:188 Resp: 340891
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.3 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143535.D
Acq: 21 Aug 2025 17:36

Tgt Ion:240 Resp: 245599
Ion Ratio Lower Upper
240 100
120 10.8 8.6 12.8
236 25.6 20.4 30.6





#79

Terphenyl-d14

Concen: 58.517 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143535.D

Acq: 21 Aug 2025 17:36

Instrument :

BNA_F

ClientSampleId :

TW-17M-E

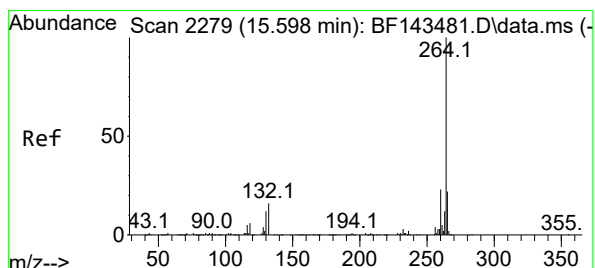
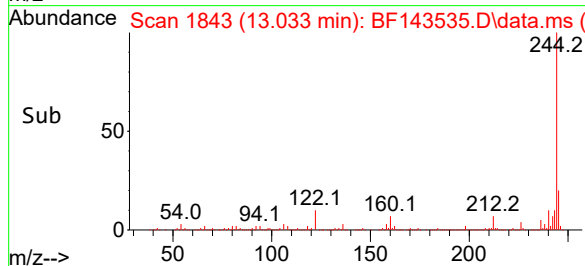
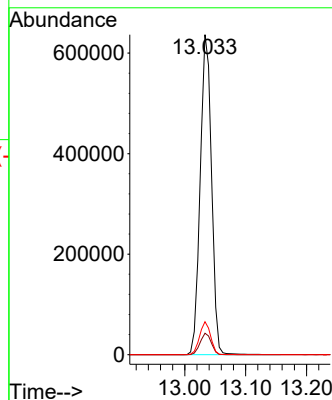
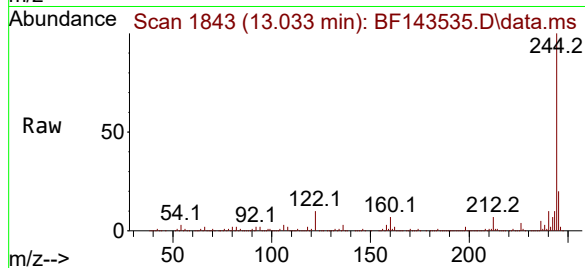
Tgt Ion:244 Resp: 823575

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 10.3 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143535.D

Acq: 21 Aug 2025 17:36

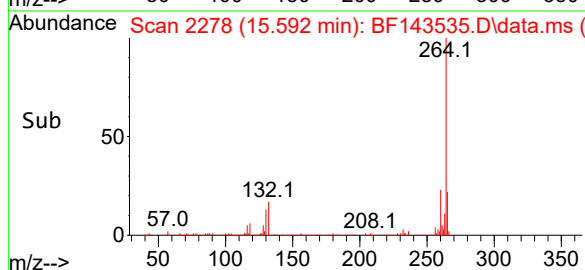
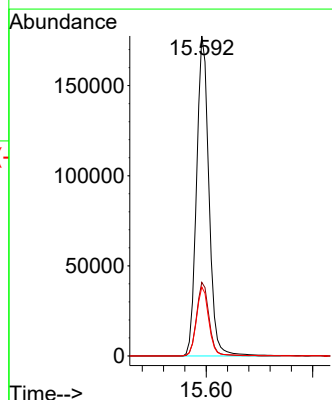
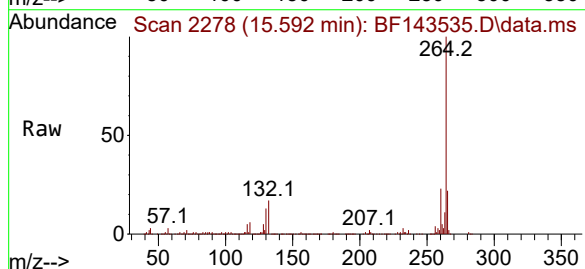
Tgt Ion:264 Resp: 286900

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 21.6 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143535.D
Acq On : 21 Aug 2025 17:36
Operator : RC/JU
Sample : Q2815-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143535.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.275	5	14	28	rVB	2249296	3740040	100.00%	15.718%
2	5.157	496	504	516	rBV	273826	408089	10.91%	1.715%
3	5.563	568	573	592	rBV	1483860	1968465	52.63%	8.273%
4	6.557	736	742	757	rBV	1261406	1687961	45.13%	7.094%
5	6.928	800	805	810	rBV	573512	739598	19.78%	3.108%
6	7.486	893	900	910	rBV	1229026	1702806	45.53%	7.156%
7	8.104	1000	1005	1017	rBV	259779	426385	11.40%	1.792%
8	8.204	1017	1022	1039	rVB	738950	975207	26.07%	4.098%
9	9.280	1199	1205	1210	rBV	2349011	2967692	79.35%	12.472%
10	9.963	1316	1321	1326	rBV	836608	1020524	27.29%	4.289%
11	10.674	1437	1442	1450	rBV	307387	387625	10.36%	1.629%
12	10.751	1450	1455	1470	rBV	1190283	1572033	42.03%	6.607%
13	11.451	1569	1574	1581	rBV	660442	835912	22.35%	3.513%
14	11.974	1658	1663	1678	rBV2	119448	232720	6.22%	0.978%
15	12.698	1778	1786	1791	rBV	159089	202208	5.41%	0.850%
16	12.763	1793	1797	1807	rVV2	22278	47972	1.28%	0.202%
17	12.851	1807	1812	1817	rVV	241116	293254	7.84%	1.232%
18	12.927	1817	1825	1832	rVB2	35955	65301	1.75%	0.274%
19	13.033	1838	1843	1848	rBV	1697086	2167545	57.96%	9.109%
20	13.415	1903	1908	1913	rBV	79143	97247	2.60%	0.409%
21	13.557	1928	1932	1936	rBV	155335	188056	5.03%	0.790%
22	13.604	1936	1940	1949	rVB	46742	79812	2.13%	0.335%
23	13.933	1991	1996	1999	rBV	55740	79900	2.14%	0.336%
24	14.092	2018	2023	2033	rVB	471961	651239	17.41%	2.737%
25	14.245	2045	2049	2056	rBV	58310	77240	2.07%	0.325%
26	14.551	2097	2101	2106	rBV	61107	78237	2.09%	0.329%
27	14.868	2150	2155	2159	rBV	60813	80753	2.16%	0.339%
28	15.215	2209	2214	2221	rVB	61724	91894	2.46%	0.386%
29	15.592	2272	2278	2289	rBV	485476	825621	22.08%	3.470%
30	16.056	2352	2357	2364	rVB	35795	60232	1.61%	0.253%
31	16.580	2442	2446	2454	rVB	23179	43096	1.15%	0.181%

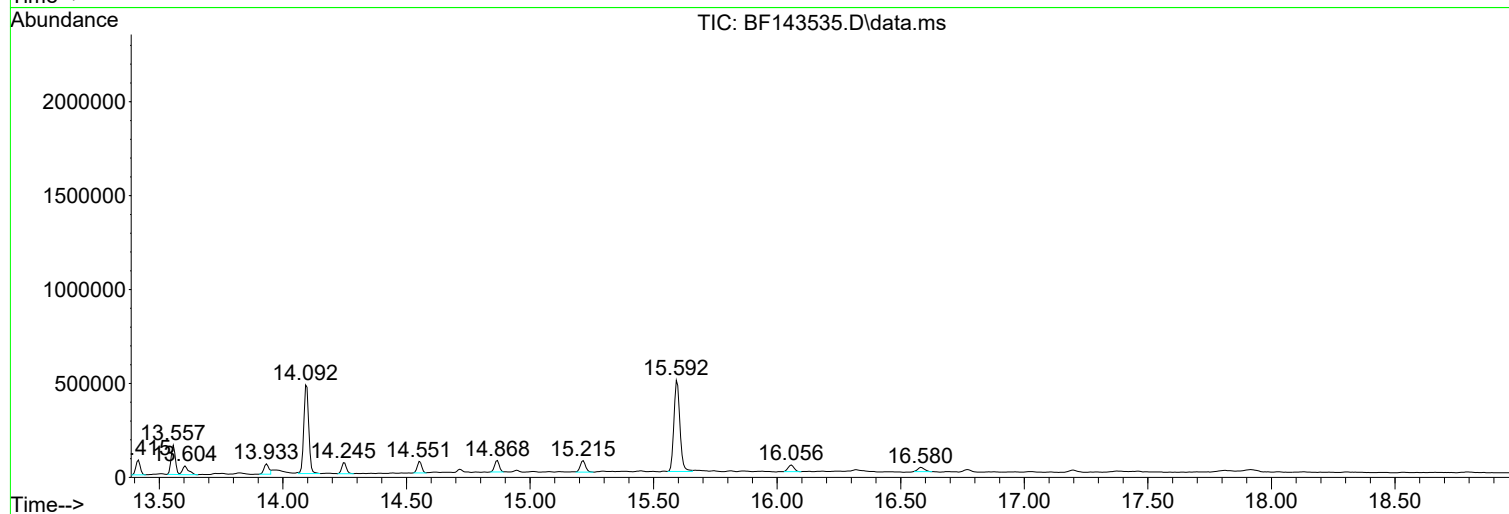
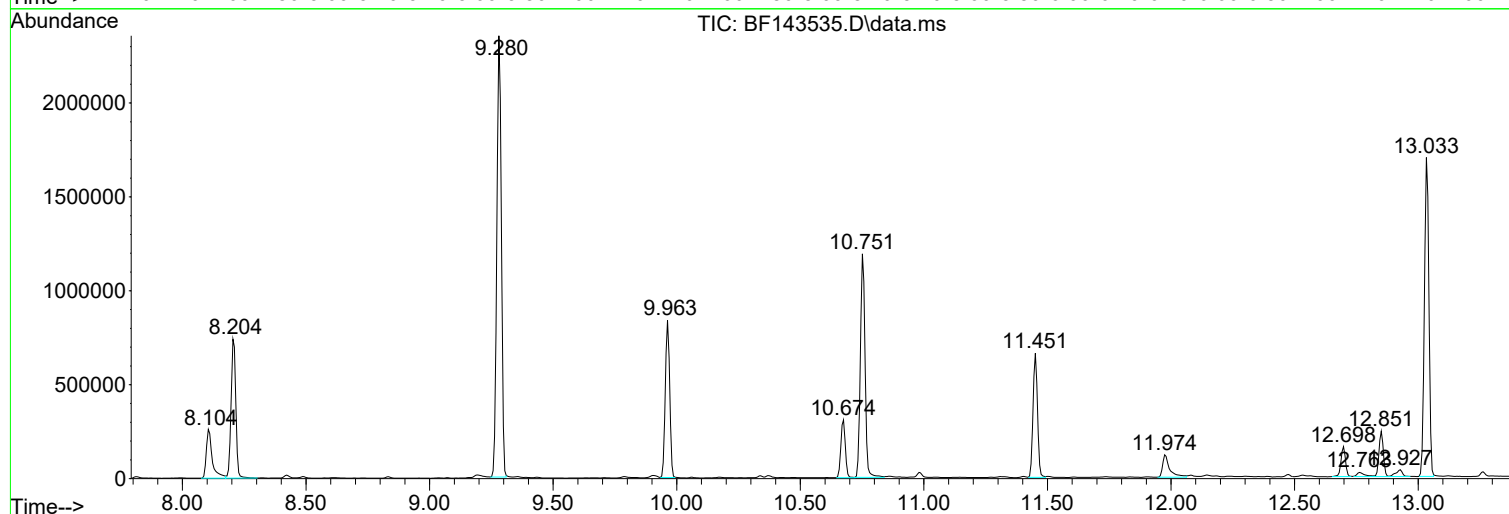
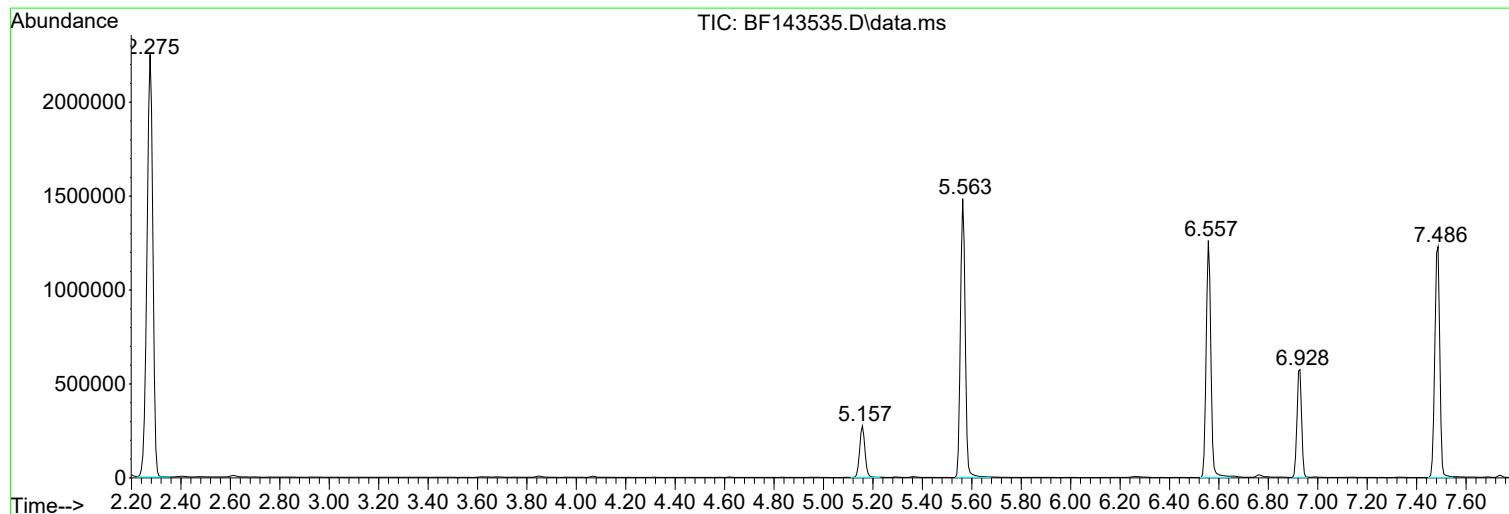
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Acq On : 21 Aug 2025 17:36
Operator : RC/JU
Sample : Q2815-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-E

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143535.D
Acq On : 21 Aug 2025 17:36
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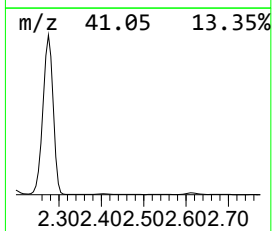
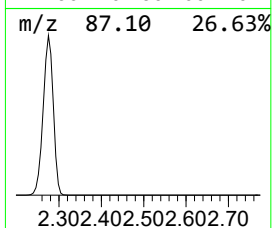
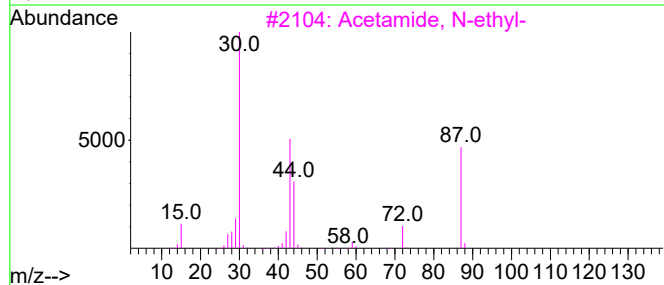
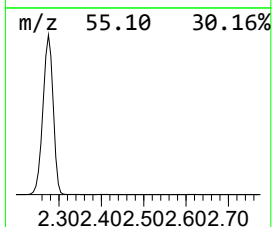
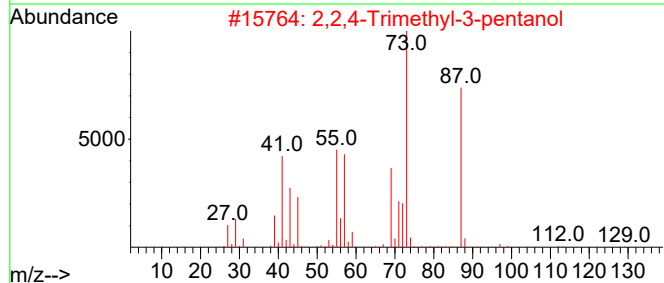
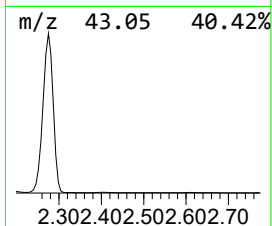
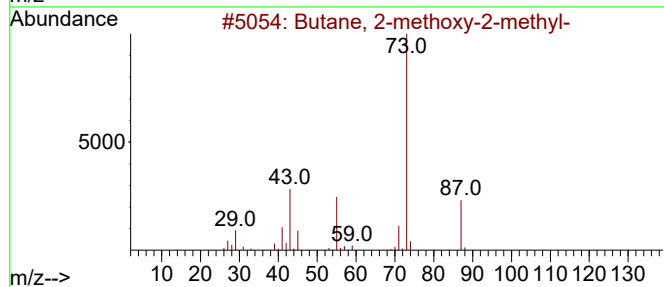
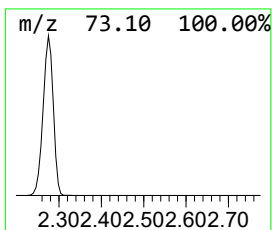
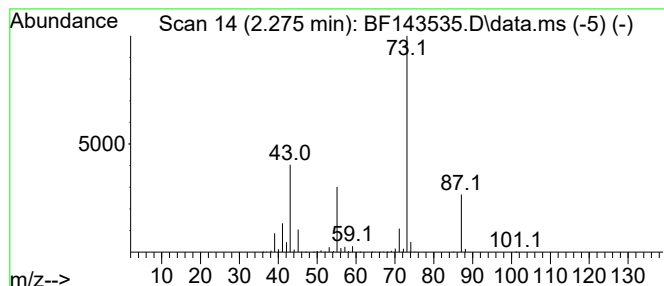
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.275	101.14 ng	3740040	1,4-Dichlorobenzene-d4	6.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143535.D
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ClientSampleId :
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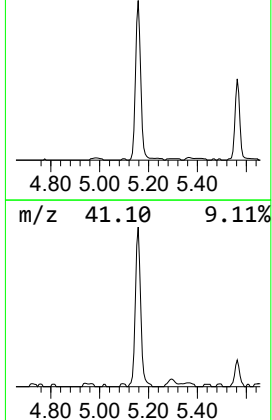
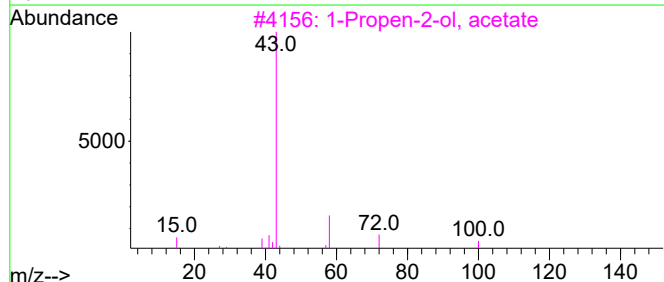
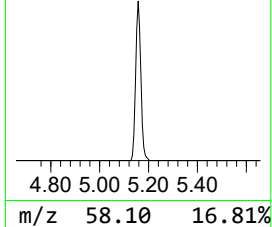
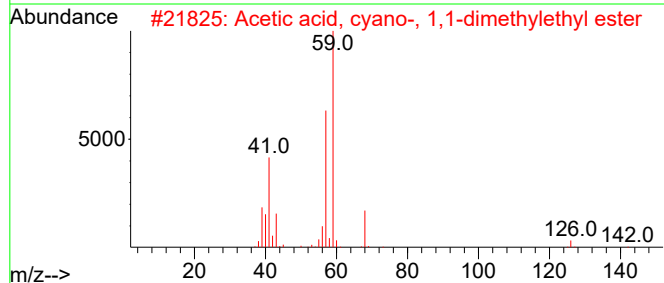
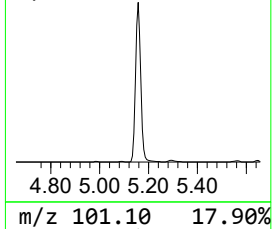
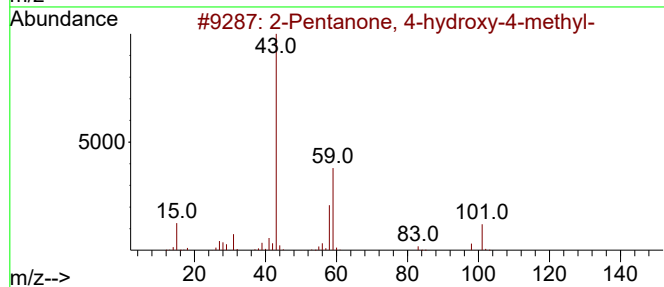
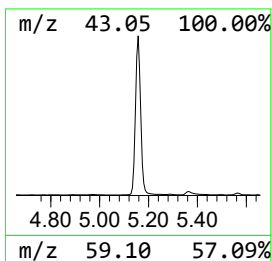
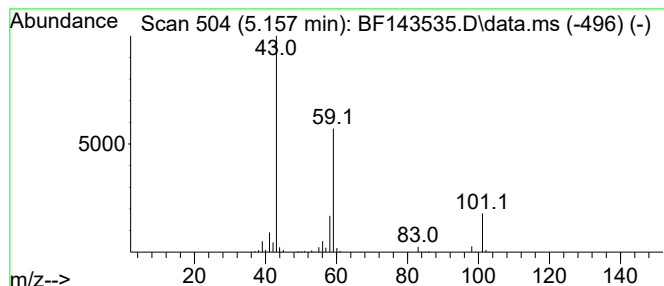
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.157	11.04 ng	408089	1,4-Dichlorobenzene-d4	6.928

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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ClientSampleId :
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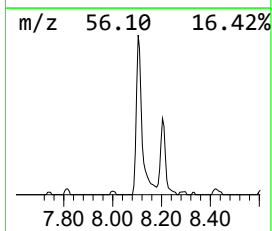
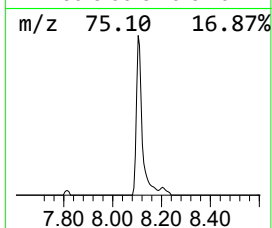
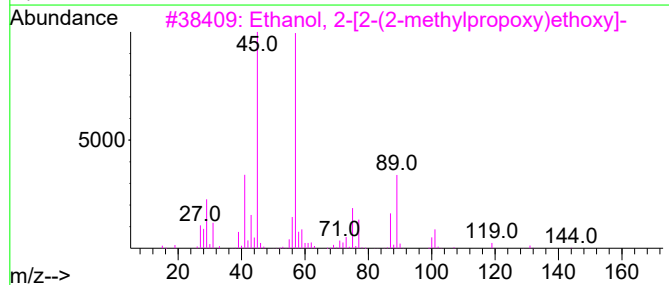
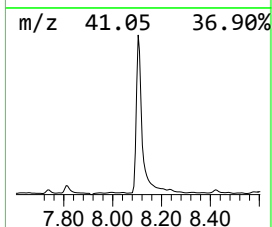
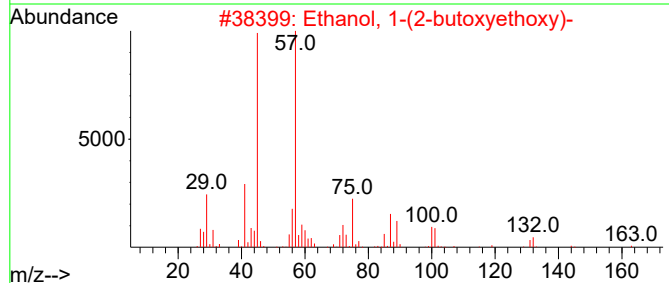
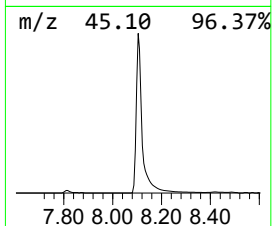
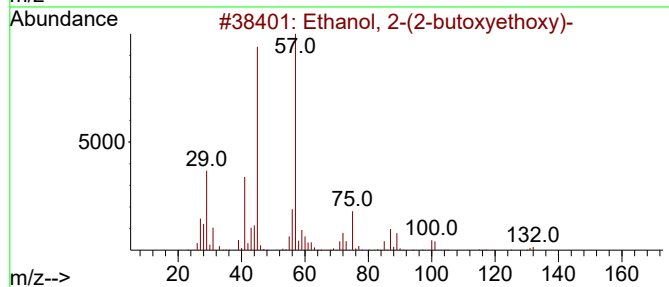
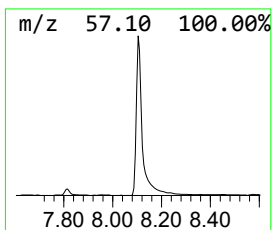
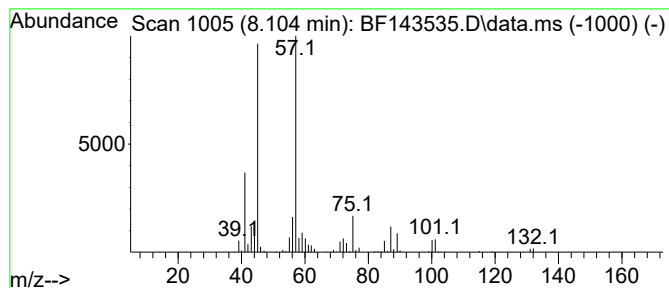
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.104	8.74 ng	426385	Naphthalene-d8	8.204

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2			Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3			Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	78
4			Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
5			Methoxyacetic acid, butyl ester	146	C7H14O3	017640-22-1	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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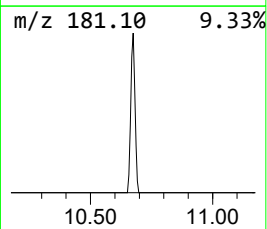
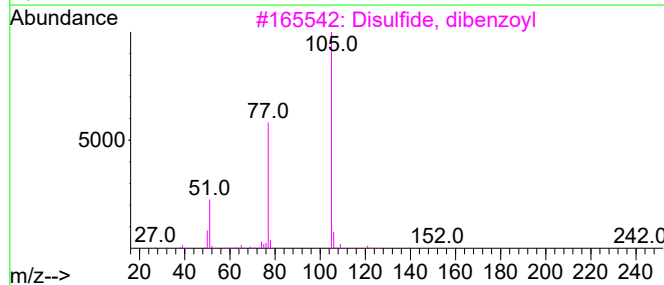
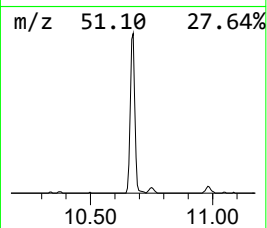
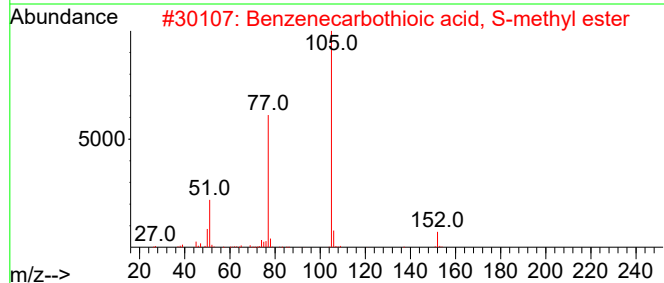
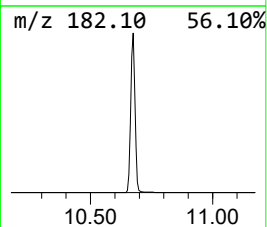
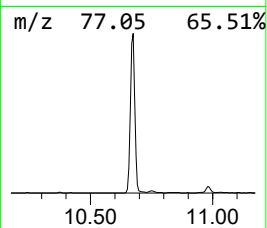
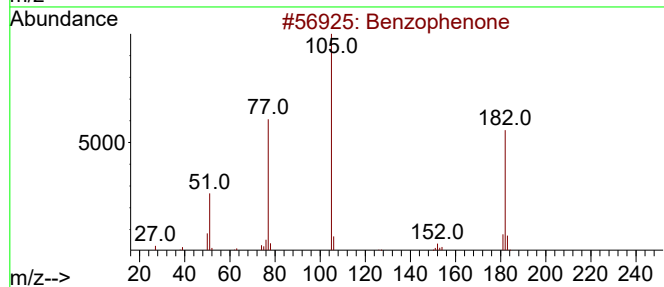
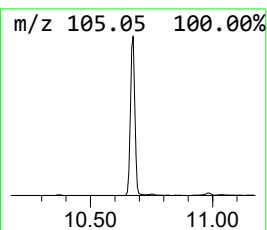
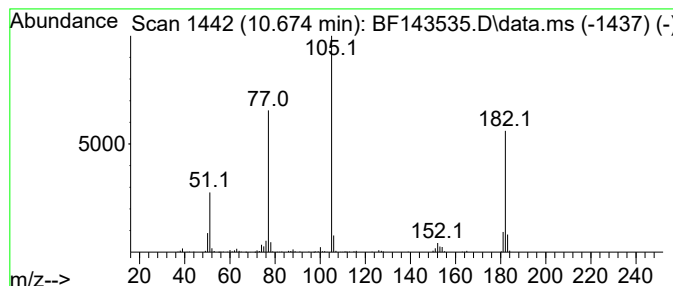
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	7.60 ng	387625	Acenaphthene-d10	9.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	53
3			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49
4			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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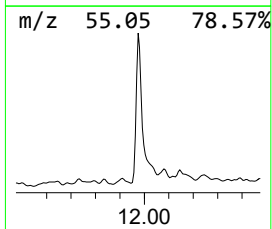
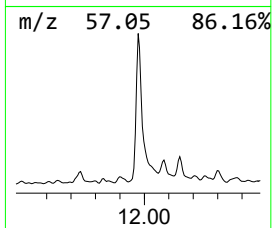
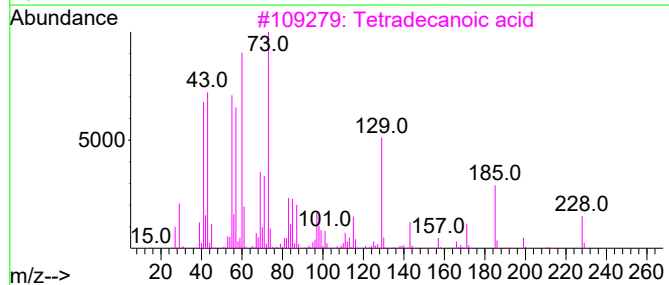
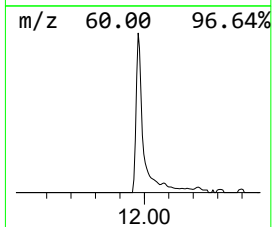
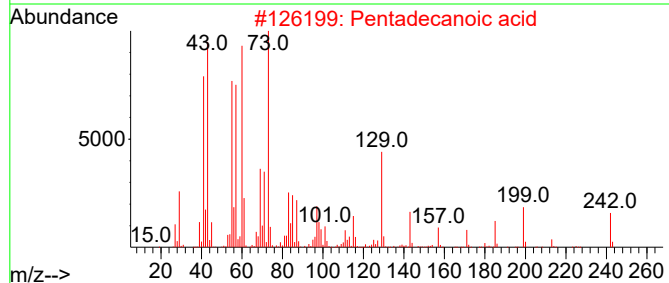
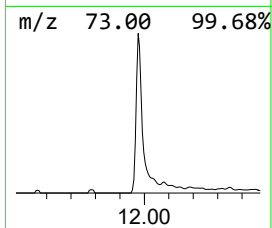
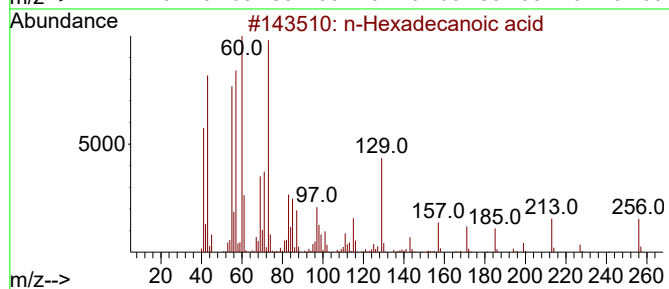
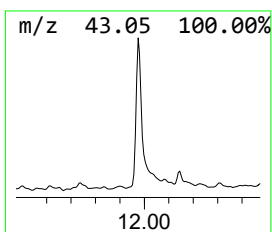
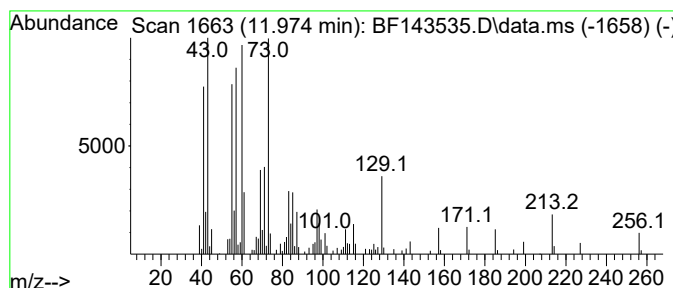
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	5.57 ng	232720	Phenanthrene-d10	11.451

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	86
4			Tridecanoic acid	214	C13H26O2	000638-53-9	86
5			Undecanoic acid	186	C11H22O2	000112-37-8	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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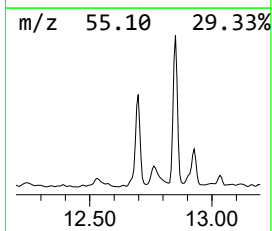
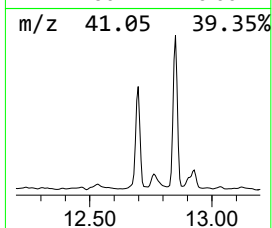
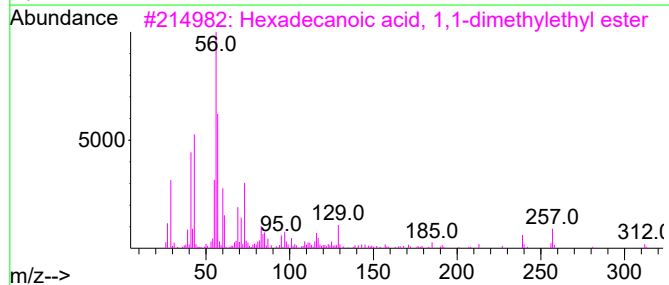
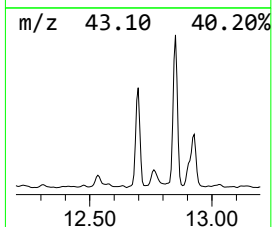
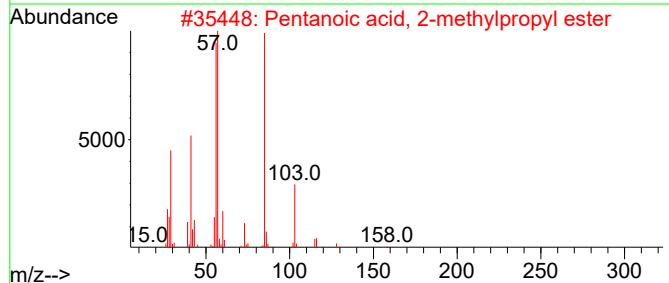
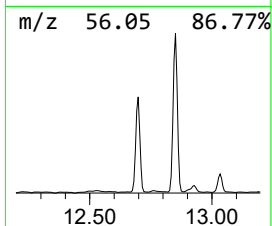
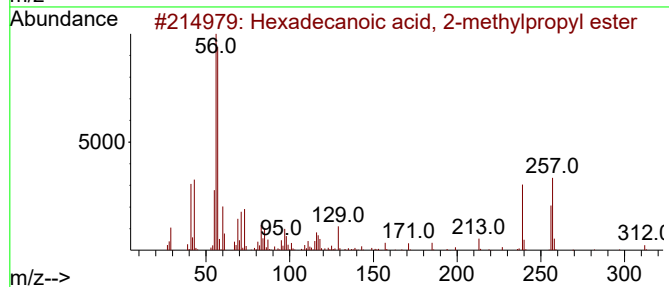
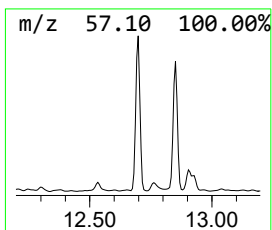
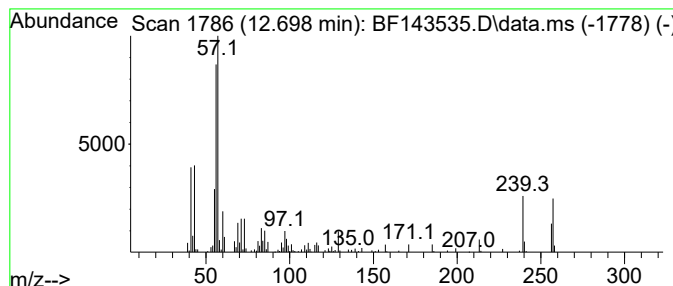
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecanoic acid, 2-methyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.698	4.84 ng	202208	Phenanthrene-d10	11.451

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	91
2		Pentanoic acid, 2-methylpropyl e...	158	C9H18O2	010588-10-0	43
3		Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	38
4		Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	38
5		(1-Propylcyclopropyl)methanamine	113	C7H15N	1368512-93-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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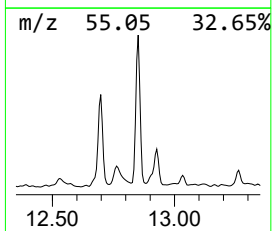
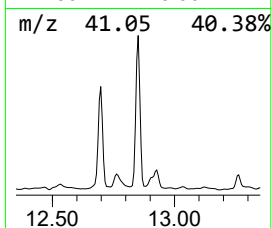
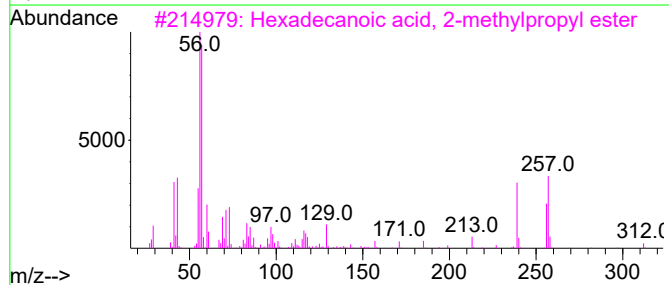
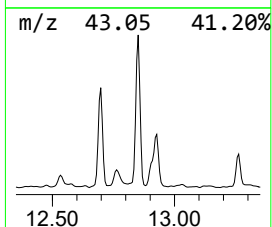
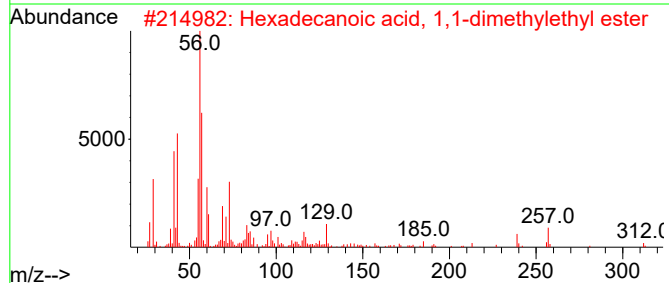
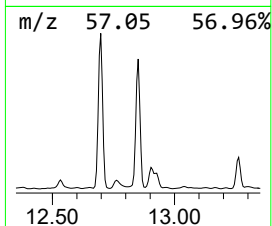
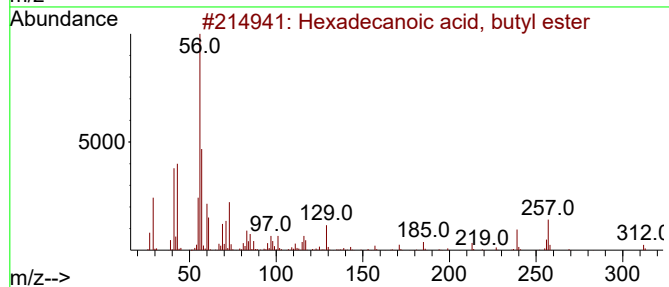
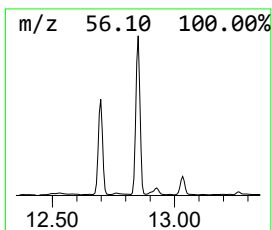
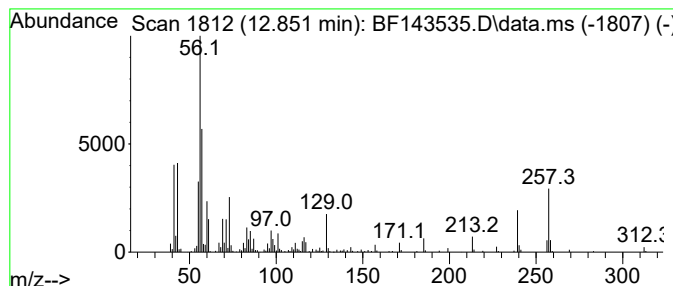
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecanoic acid, butyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.851	9.01 ng	293254	Chrysene-d12	14.092

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	98
2			Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	91
3			Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	90
4			Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	35
5			1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143535.D
Acq On : 21 Aug 2025 17:36
Operator : RC/JU
Sample : Q2815-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-17M-E

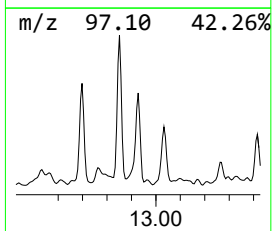
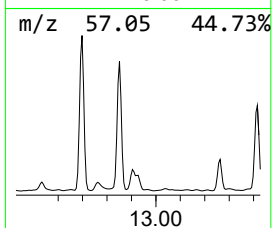
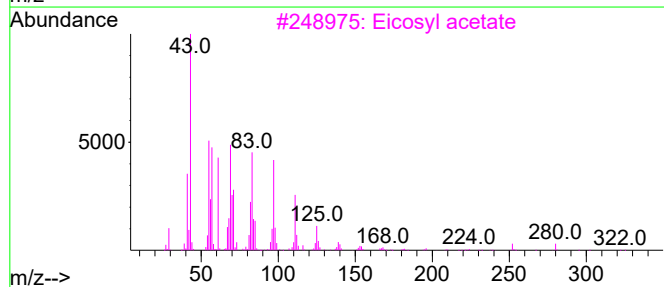
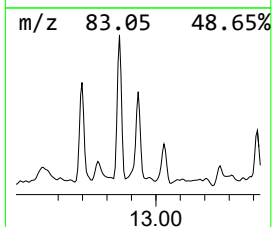
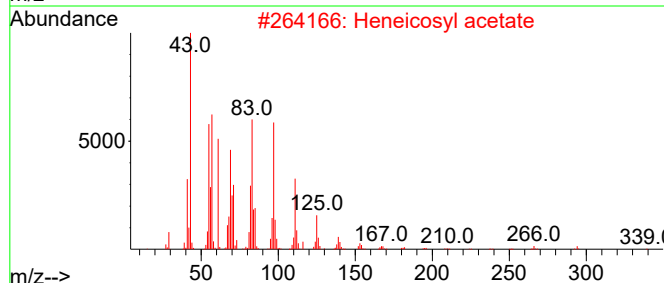
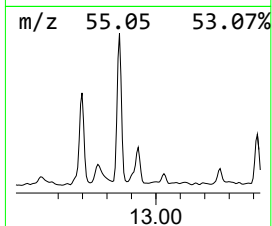
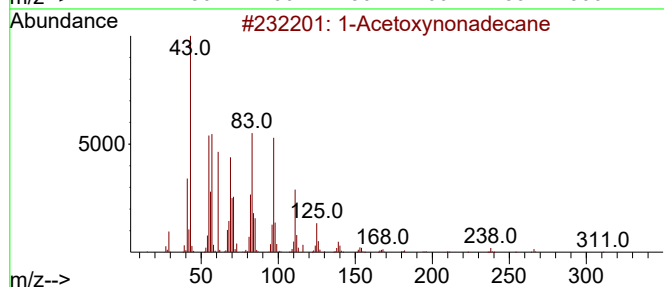
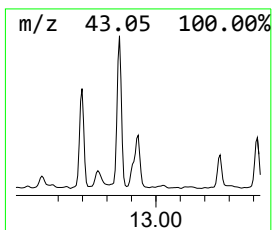
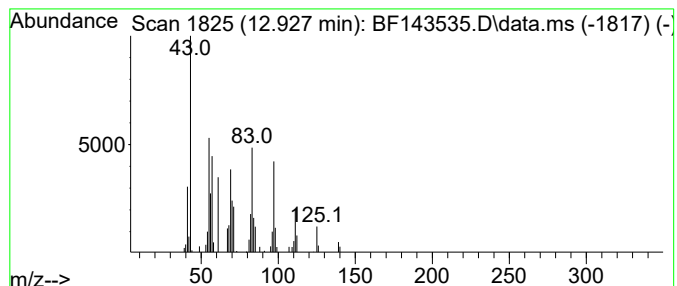
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Acetoxy-nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.927	2.01 ng	65301	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Acetoxy-nonadecane	326	C21H42O2	001577-43-1	95
2		Heneicosyl acetate	354	C23H46O2	1000351-77-3	91
3		Eicosyl acetate	340	C22H44O2	000822-24-2	91
4		Heptadecyl acetate	298	C19H38O2	000822-20-8	91
5		1-Docosanol, acetate	368	C24H48O2	000822-26-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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Sample : Q2815-15
Misc :
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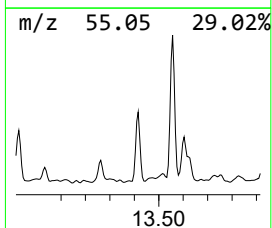
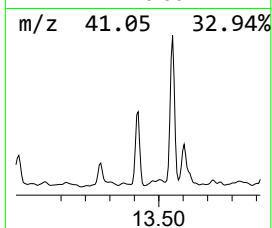
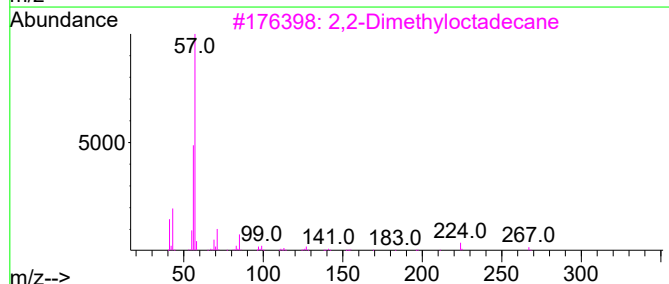
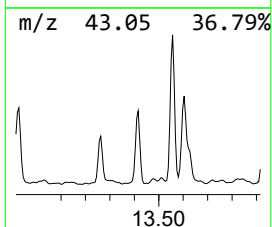
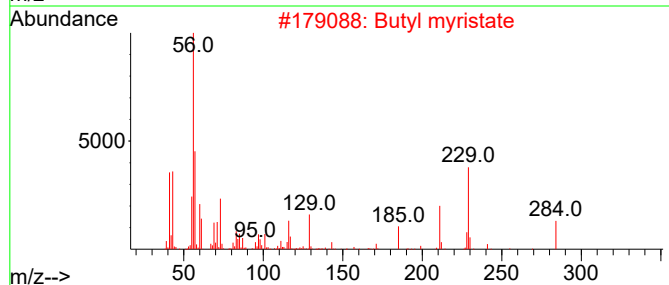
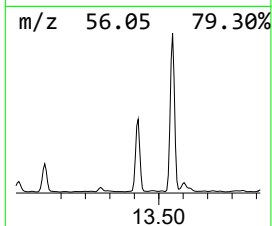
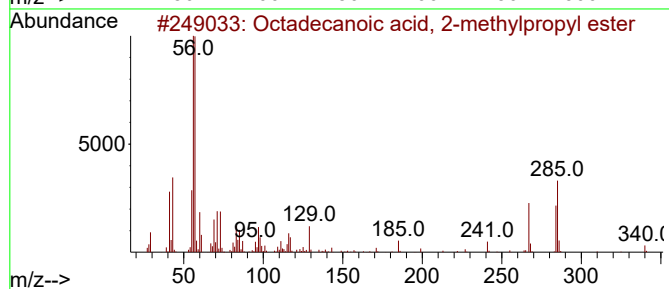
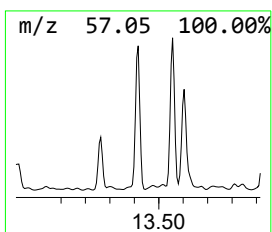
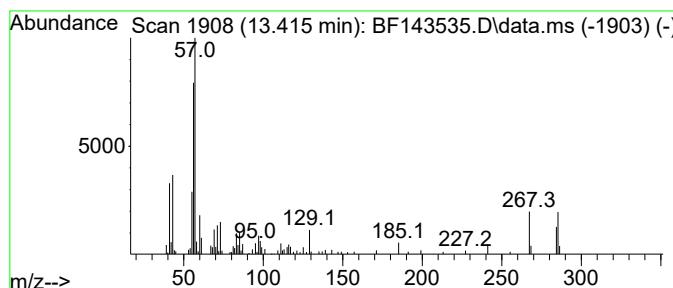
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecanoic acid, 2-methyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.416	2.99 ng	97247	Chrysene-d12	14.092	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	62
2	Butyl myristate	284	C18H36O2	000110-36-1	53
3	2,2-Dimethyloctadecane	282	C20H42	1000360-43-2	43
4	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	38
5	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	037910-65-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143535.D
Acq On : 21 Aug 2025 17:36
Operator : RC/JU
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Misc :
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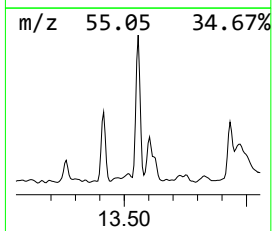
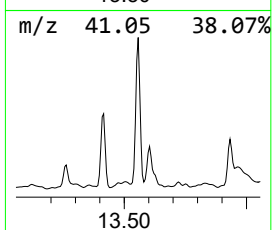
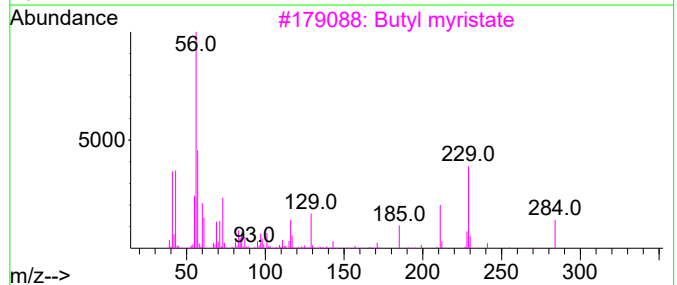
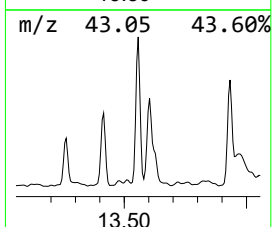
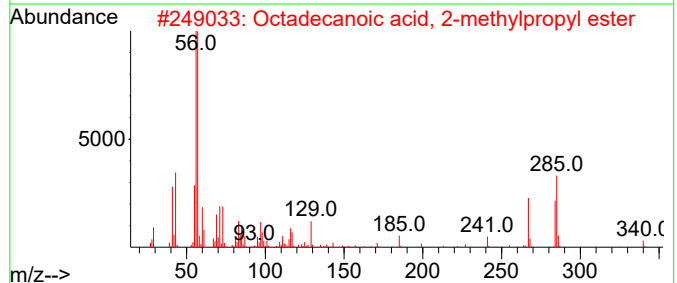
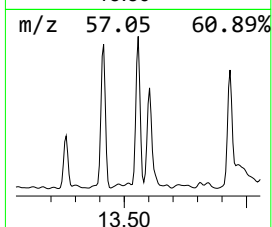
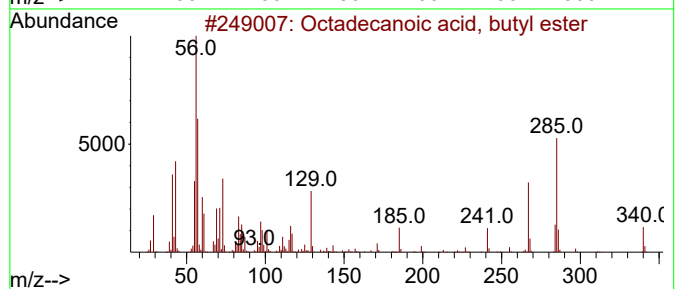
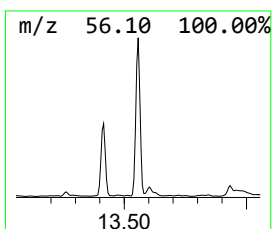
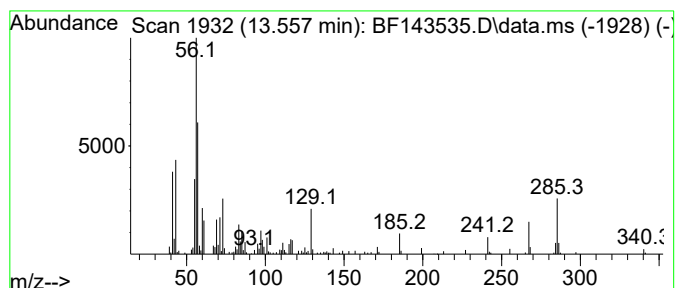
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octadecanoic acid, butyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.557	5.78 ng	188056	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	91
2		Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	89
3		Butyl myristate	284	C18H36O2	000110-36-1	64
4		Piperidin-4-carboxylic acid	129	C6H11NO2	000498-94-2	38
5		1-Hexene, 4-methyl-	98	C7H14	003769-23-1	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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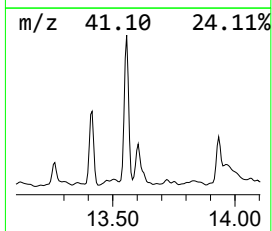
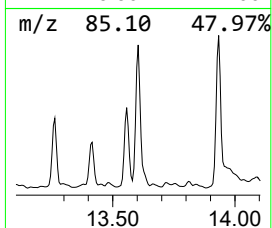
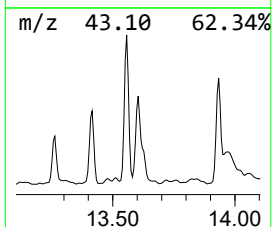
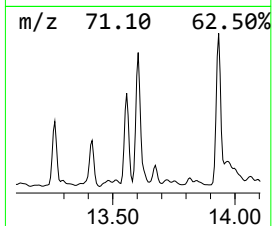
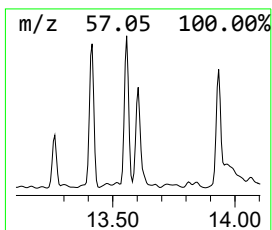
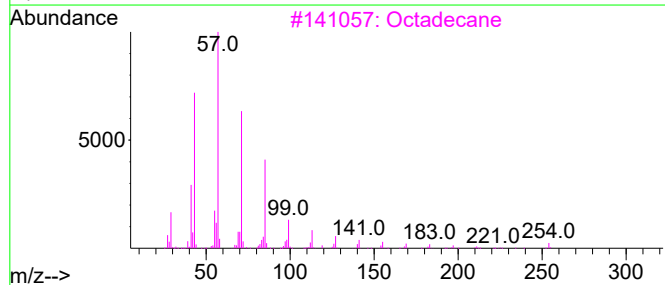
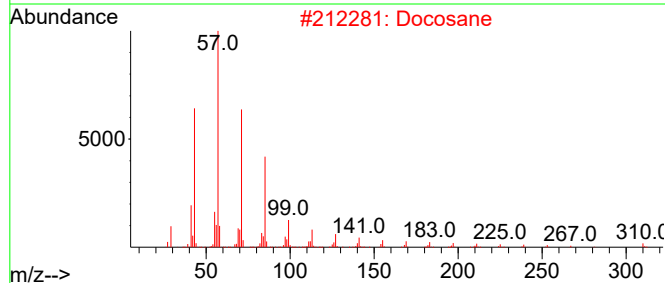
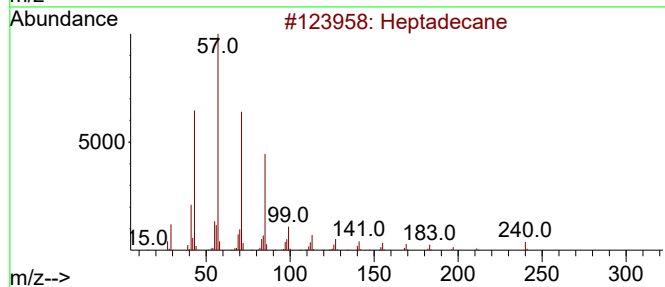
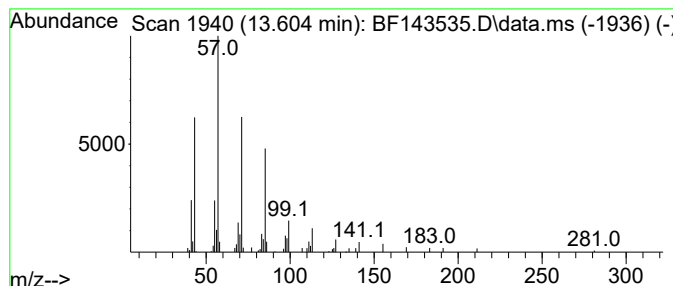
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.604	2.45 ng	79812	Chrysene-d12	14.092	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Docosane	310	C22H46	000629-97-0	91
3	Octadecane	254	C18H38	000593-45-3	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Heneicosane	296	C21H44	000629-94-7	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143535.D
Acq On : 21 Aug 2025 17:36
Operator : RC/JU
Sample : Q2815-15
Misc :
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Instrument :
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ClientSampleId :
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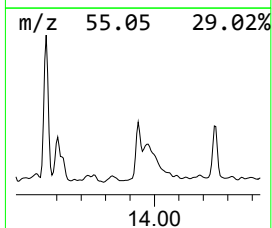
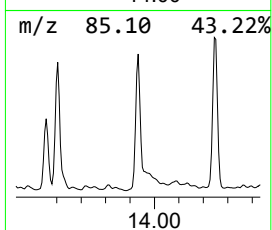
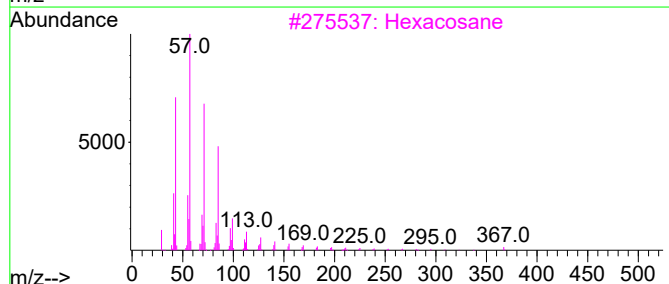
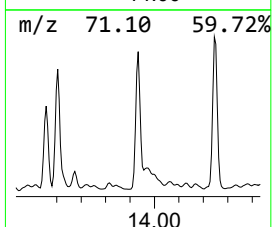
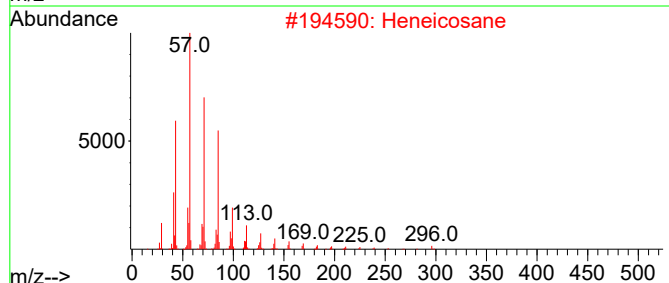
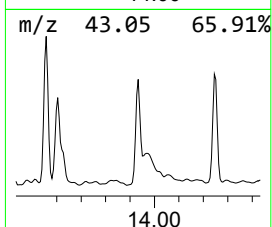
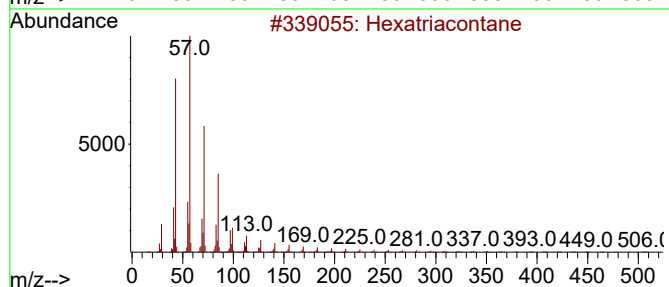
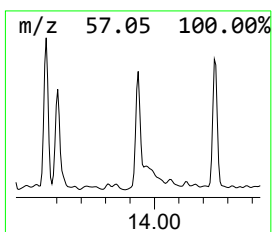
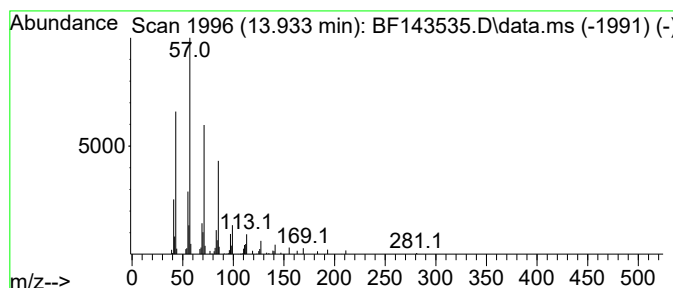
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Hexatriacontane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.933	2.45 ng	79900	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexatriacontane	507	C36H74	000630-06-8	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Hexacosane	366	C26H54	000630-01-3	91
4		Heptacosane	380	C27H56	000593-49-7	91
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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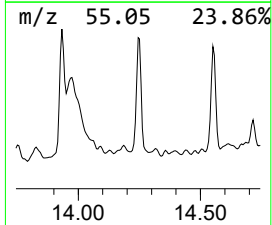
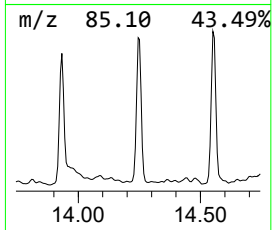
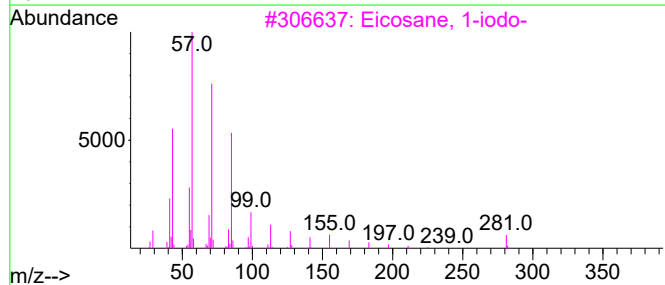
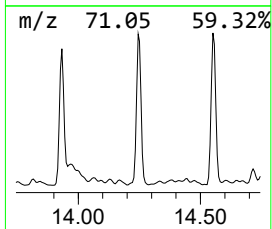
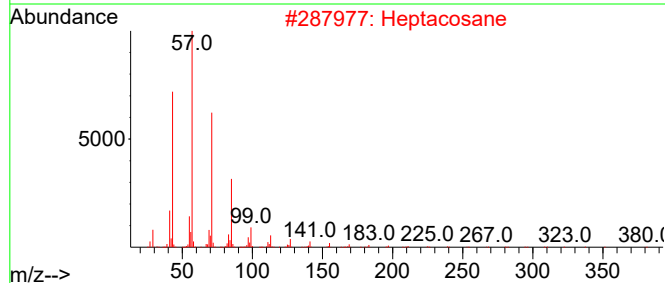
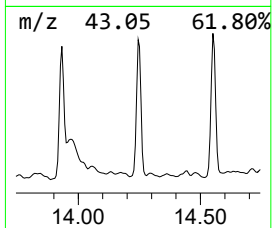
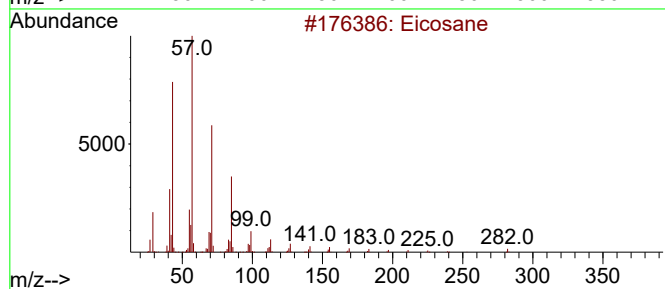
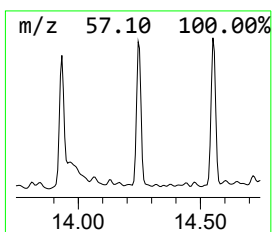
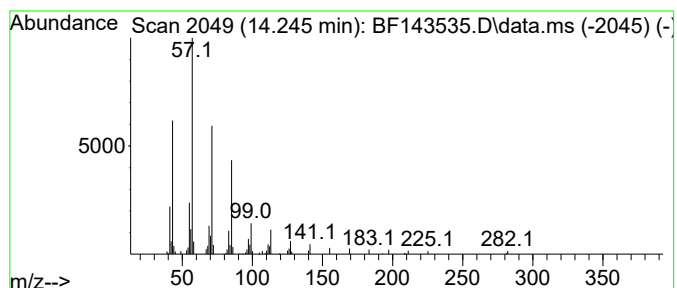
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.245	2.37 ng	77240	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Eicosane	282	C20H42	000112-95-8	95
2		Heptacosane	380	C27H56	000593-49-7	91
3		Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	91
4		Nonadecane	268	C19H40	000629-92-5	91
5		Pentacosane	352	C25H52	000629-99-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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TW-17M-E

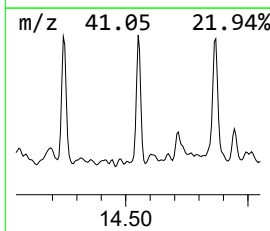
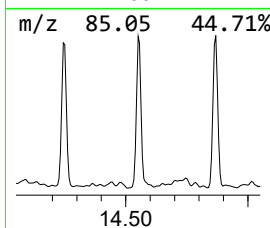
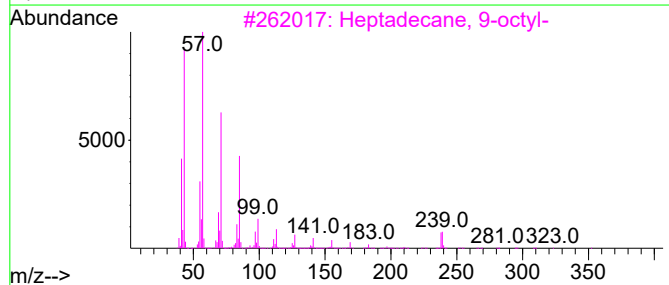
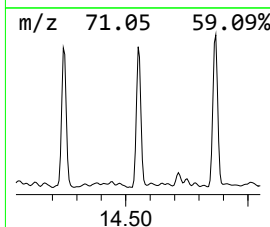
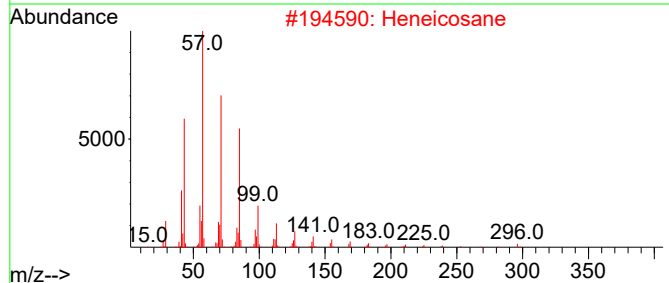
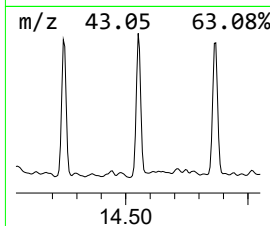
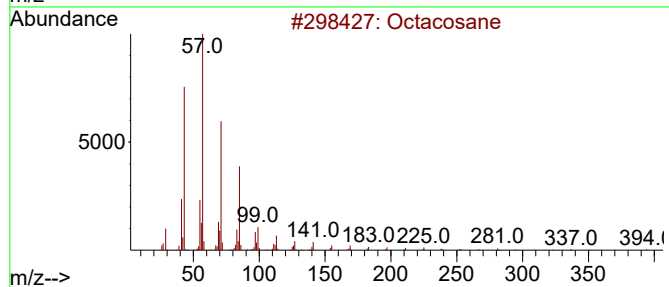
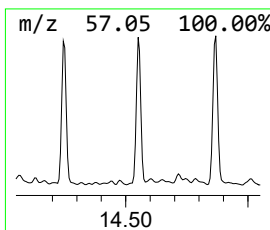
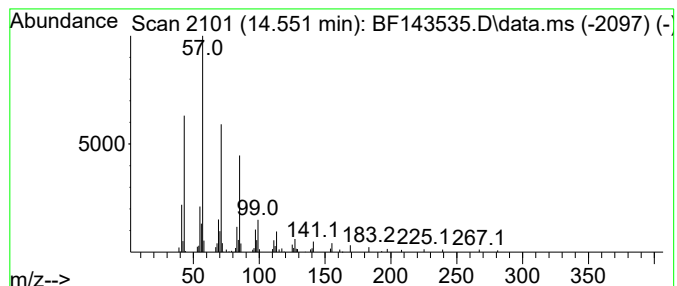
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.551	2.40 ng	78237	Chrysene-d12	14.092

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octacosane	394	C28H58	000630-02-4	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4		Tetracosane	338	C24H50	000646-31-1	91
5		Octacosane, 2-methyl-	408	C29H60	001560-98-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143535.D
Acq On : 21 Aug 2025 17:36
Operator : RC/JU
Sample : Q2815-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

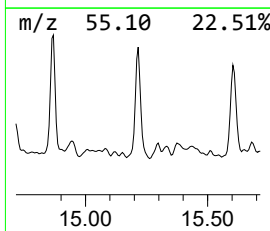
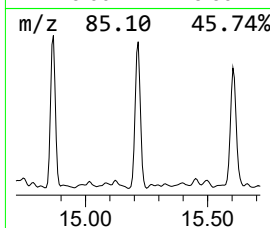
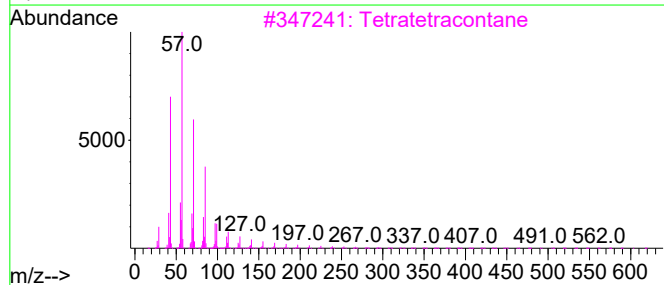
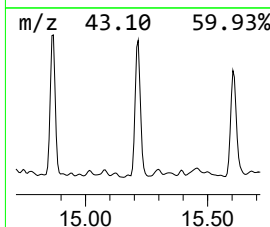
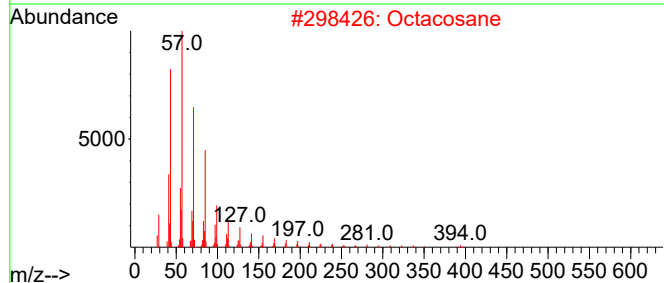
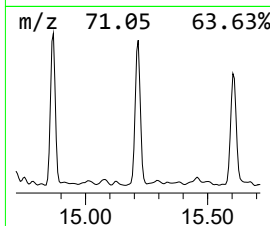
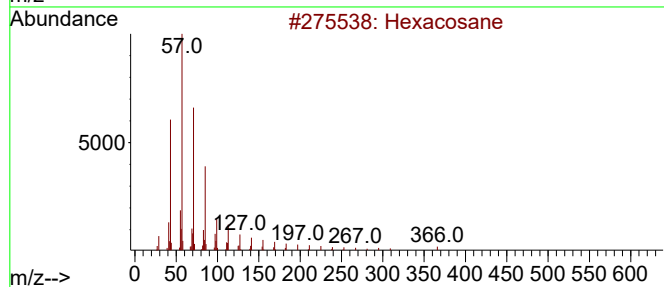
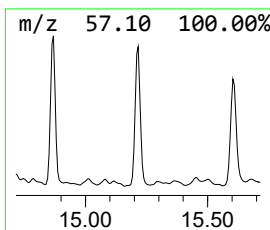
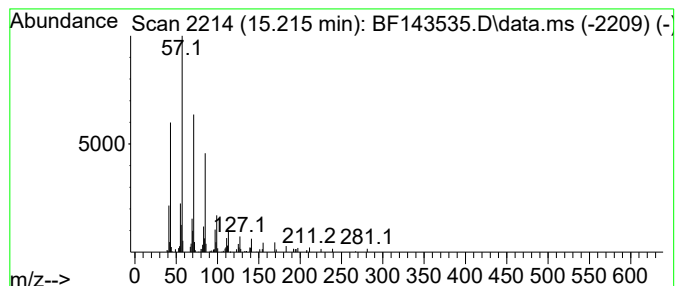
Instrument :
BNA_F
ClientSampleId :
TW-17M-E

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

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

Peak Number 15 Hexacosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.215	2.23 ng	91894	Perylene-d12	15.592	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Hentriacontane	437	C31H64	000630-04-6	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143535.D
Acq On : 21 Aug 2025 17:36
Operator : RC/JU
Sample : Q2815-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TW-17M-E

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.275	101.1	ng	3740040	1	6.928	739598	20.0
2-Pentanone, 4-...	5.157	11.0	ng	408089	1	6.928	739598	20.0
Ethanol, 2-(2-b...	8.104	8.7	ng	426385	2	8.204	975207	20.0
Benzophenone	10.675	7.6	ng	387625	3	9.963	1020520	20.0
n-Hexadecanoic ...	11.974	5.6	ng	232720	4	11.451	835912	20.0
Hexadecanoic ac...	12.698	4.8	ng	202208	4	11.451	835912	20.0
Hexadecanoic ac...	12.851	9.0	ng	293254	5	14.092	651239	20.0
1-Acetoxynonade...	12.927	2.0	ng	65301	5	14.092	651239	20.0
Octadecanoic ac...	13.416	3.0	ng	97247	5	14.092	651239	20.0
Octadecanoic ac...	13.557	5.8	ng	188056	5	14.092	651239	20.0
Heptadecane	13.604	2.5	ng	79812	5	14.092	651239	20.0
Hexatriacontane	13.933	2.5	ng	79900	5	14.092	651239	20.0
Eicosane	14.245	2.4	ng	77240	5	14.092	651239	20.0
Octacosane	14.551	2.4	ng	78237	5	14.092	651239	20.0
Hexacosane	15.215	2.2	ng	91894	6	15.592	825621	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-16	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025499.D	1	08/14/25 09:15	08/20/25 07:57	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-16	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025499.D	1	08/14/25 09:15	08/20/25 07:57	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-16	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025499.D	1	08/14/25 09:15	08/20/25 07:57	PB169244

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

SURROGATES

367-12-4	2-Fluorophenol	87.1		19 - 119	58%	SPK: 150
13127-88-3	Phenol-d6	71.4		10 - 130	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.1		44 - 120	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.9		44 - 119	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		43 - 140	83%	SPK: 150
1718-51-0	Terphenyl-d14	68.3		50 - 134	68%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	172000	7.79
1146-65-2	Naphthalene-d8	677000	10.56
15067-26-2	Acenaphthene-d10	466000	14.401
1517-22-2	Phenanthrene-d10	991000	17.189
1719-03-5	Chrysene-d12	1100000	21.642
1520-96-3	Perylene-d12	1200000	25.001

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	78.7	J	3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.90	AB	4.94	ug/L
054446-78-5	Ethanol, 1-(2-butoxyethoxy)-	2.00	J	10.3	ug/L
000119-61-9	Benzophenone	11.1	J	15.8	ug/L
000057-10-3	n-Hexadecanoic acid	15.1	J	18.1	ug/L
000057-11-4	Octadecanoic acid	5.40	J	19.5	ug/L
077899-03-7	1-Heneicosyl formate	7.00	J	21.3	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-16	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025499.D	1	08/14/25 09:15	08/20/25 07:57	PB169244

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-17M-S

Quant Time: Aug 20 08:21:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	171668	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	676553	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	465606	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	990987	20.000	ng	-0.01
76) Chrysene-d12	21.642	240	1097797	20.000	ng	0.00
86) Perylene-d12	25.001	264	1196411	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	900171	87.082	ng	0.00
7) Phenol-d6	6.966	99	946420	71.412	ng	0.00
23) Nitrobenzene-d5	8.931	82	978320	73.148	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	778648	124.244	ng	-0.01
45) 2-Fluorobiphenyl	13.013	172	2244425	65.880	ng	0.00
79) Terphenyl-d14	19.918	244	4095495	68.255	ng	0.00

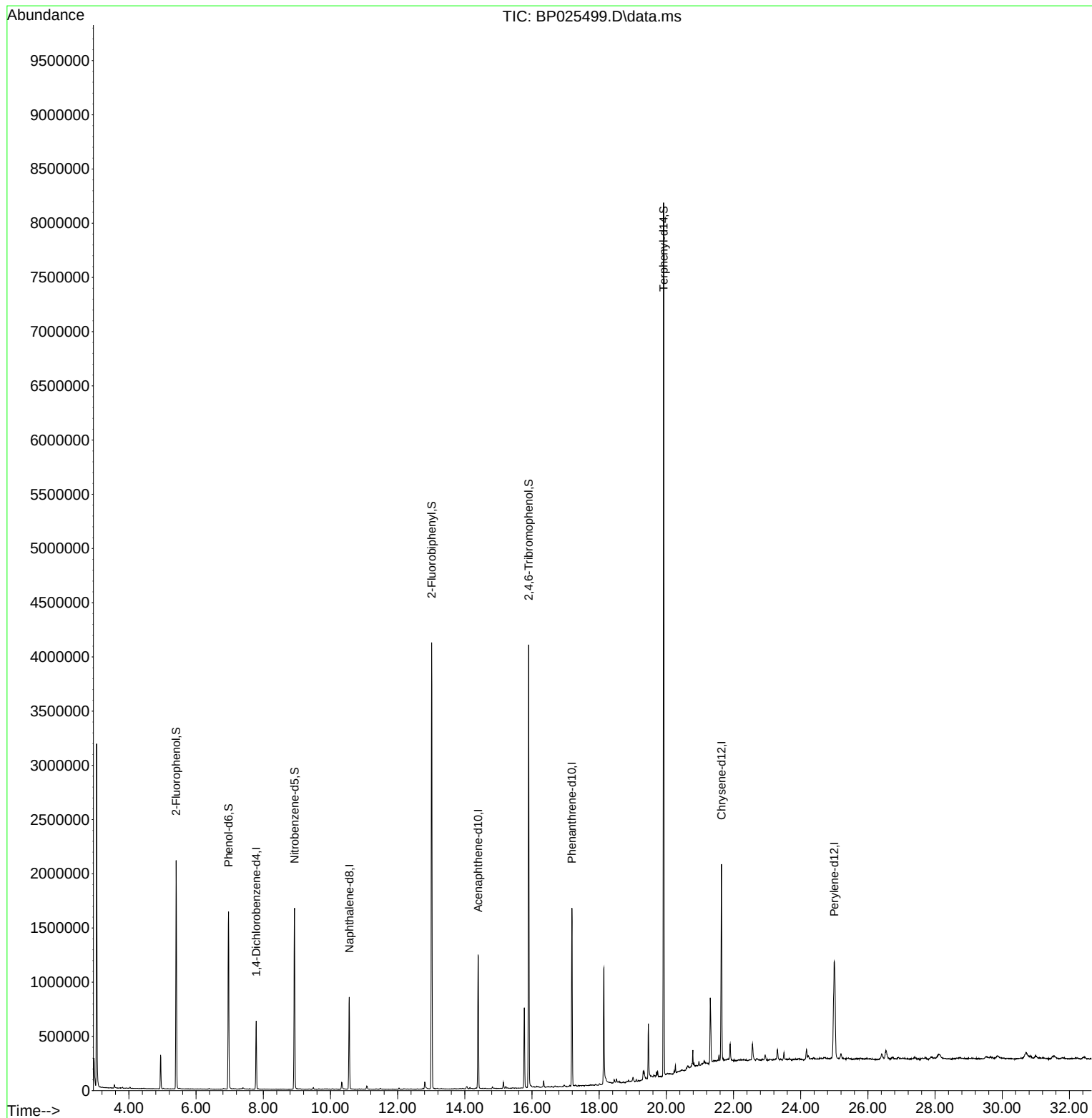
Target Compounds	Qvalue

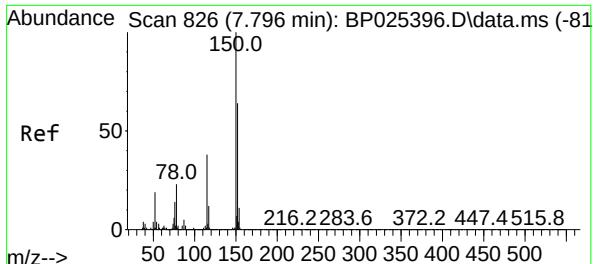
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-17M-S

Quant Time: Aug 20 08:21:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

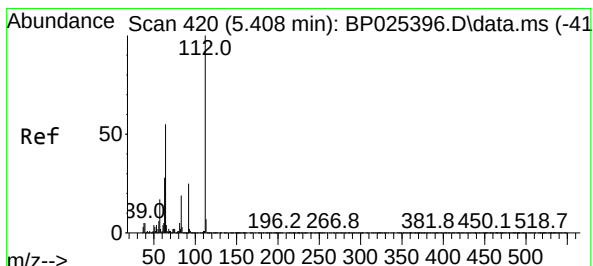
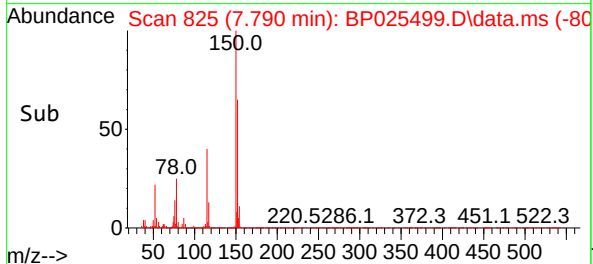
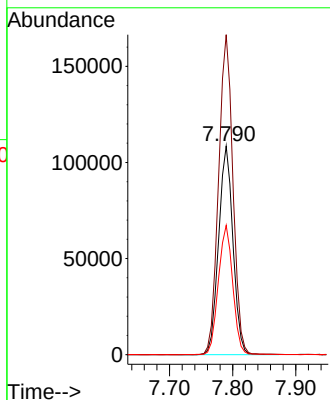
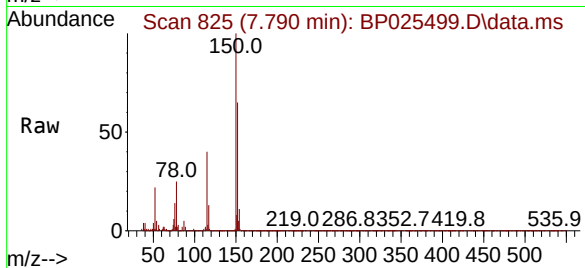




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025499.D
Acq: 20 Aug 2025 07:57

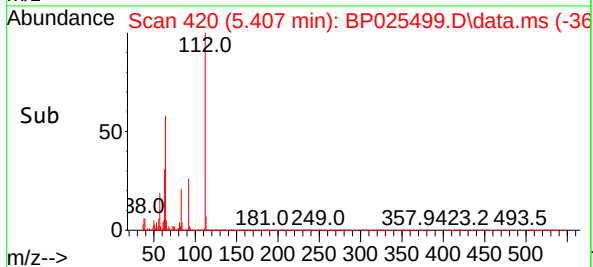
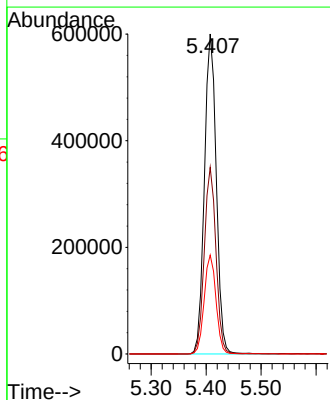
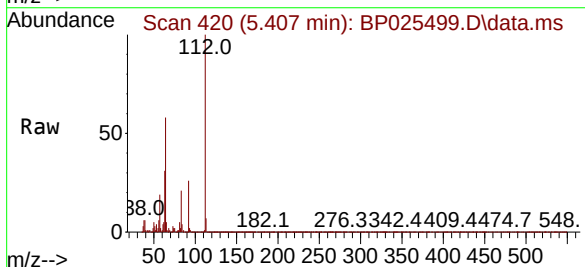
Instrument :
BNA_P
ClientSampleId :
TW-17M-S

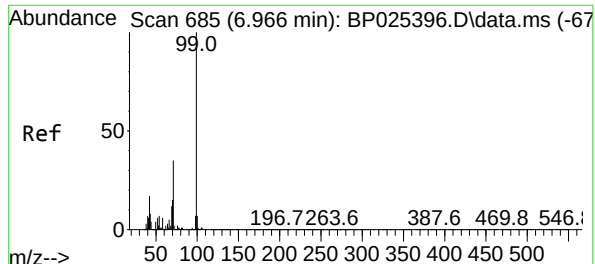
Tgt Ion:152 Resp: 171668
Ion Ratio Lower Upper
152 100
150 153.4 125.9 188.9
115 62.0 48.5 72.7



#5
2-Fluorophenol
Concen: 87.082 ng
RT: 5.407 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025499.D
Acq: 20 Aug 2025 07:57

Tgt Ion:112 Resp: 900171
Ion Ratio Lower Upper
112 100
64 58.3 43.8 65.8
63 30.9 22.7 34.1

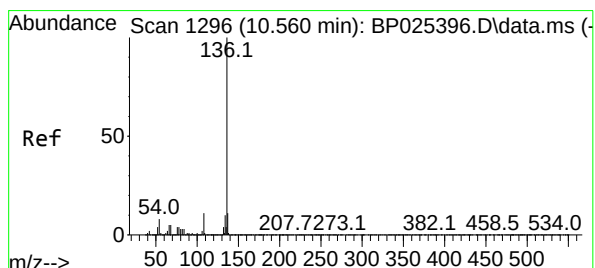
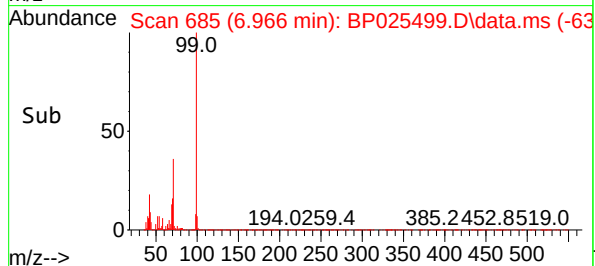
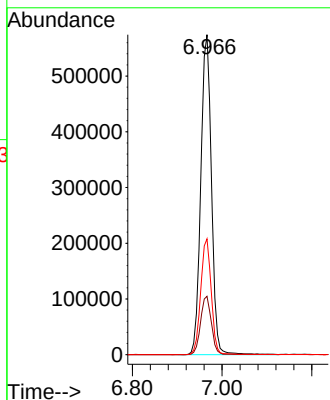
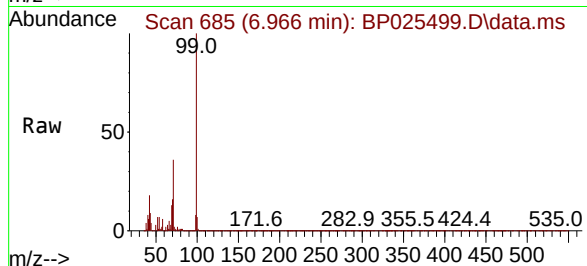




#7
Phenol-d6
Concen: 71.412 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025499.D
Acq: 20 Aug 2025 07:57

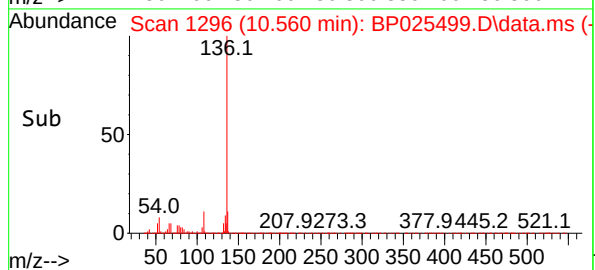
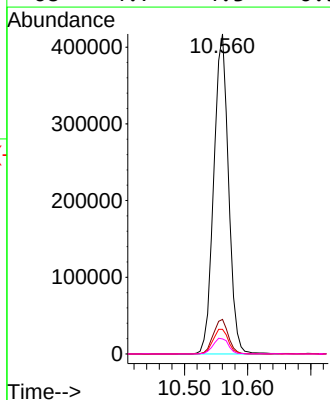
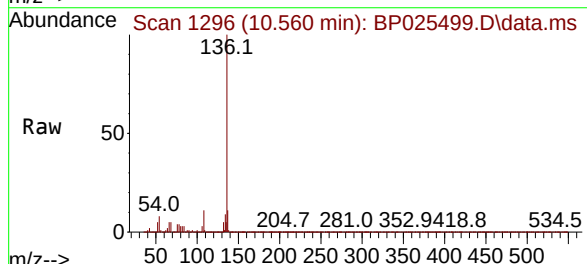
Instrument :
BNA_P
ClientSampleId :
TW-17M-S

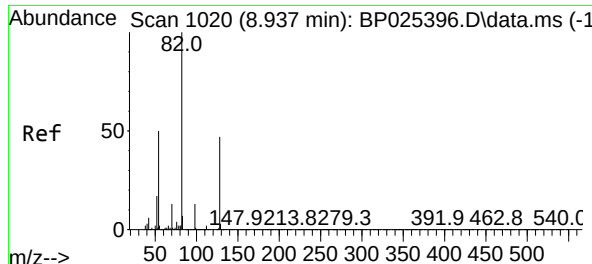
Tgt Ion: 99 Resp: 946420
Ion Ratio Lower Upper
99 100
42 18.3 13.7 20.5
71 36.2 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BP025499.D
Acq: 20 Aug 2025 07:57

Tgt Ion: 136 Resp: 676553
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.7 6.0 9.0
68 4.7 4.3 6.5





#23

Nitrobenzene-d5

Concen: 73.148 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025499.D

Acq: 20 Aug 2025 07:57

Instrument :

BNA_P

ClientSampleId :

TW-17M-S

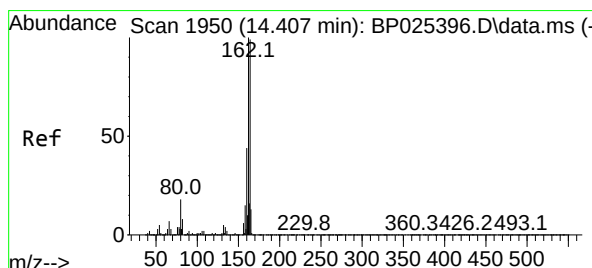
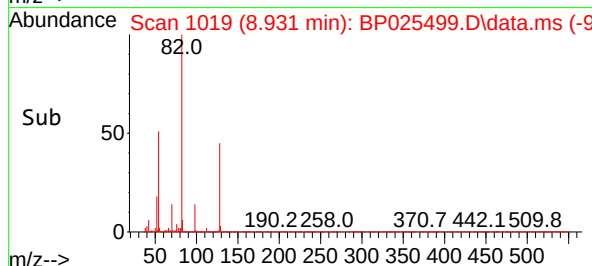
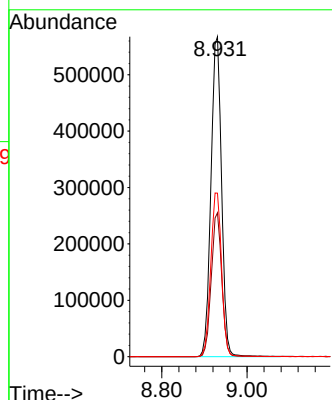
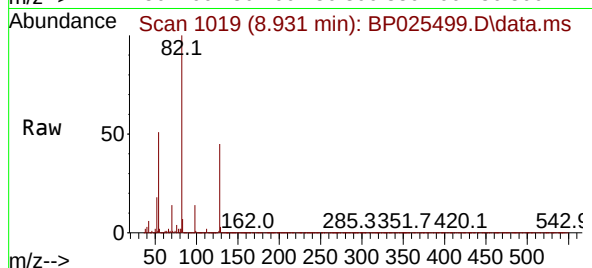
Tgt Ion: 82 Resp: 978320

Ion Ratio Lower Upper

82 100

128 44.9 37.7 56.5

54 51.1 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP025499.D

Acq: 20 Aug 2025 07:57

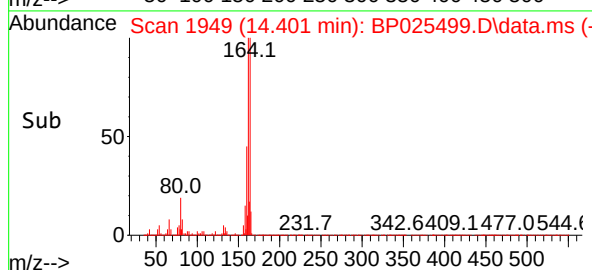
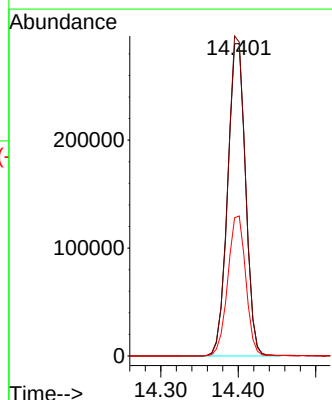
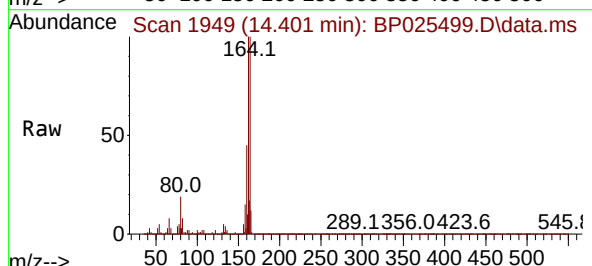
Tgt Ion: 164 Resp: 465606

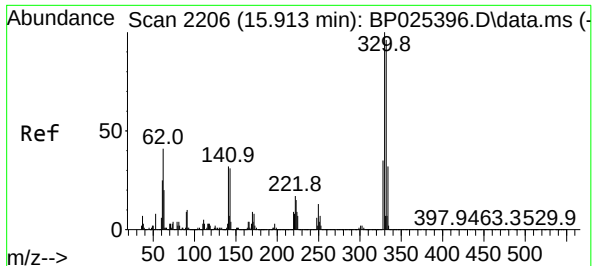
Ion Ratio Lower Upper

164 100

162 100.5 81.0 121.6

160 44.8 35.4 53.2

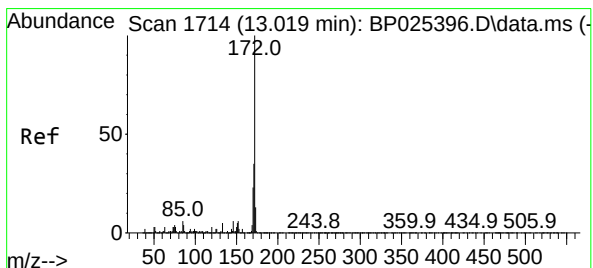
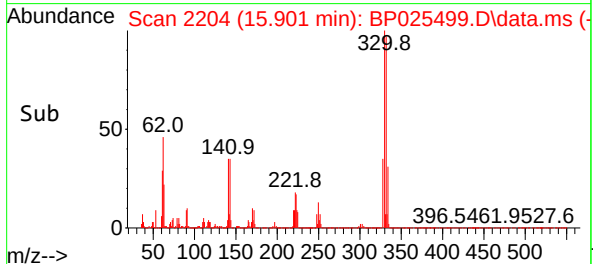
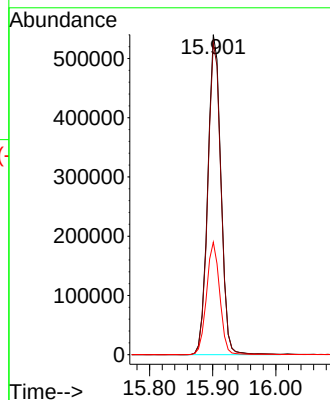
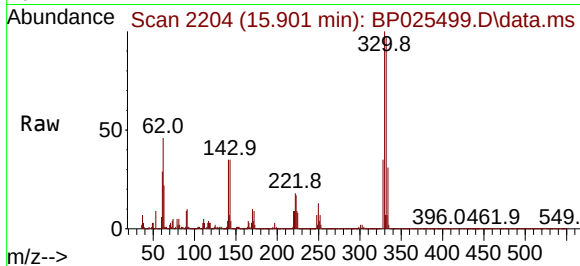




#42
2,4,6-Tribromophenol
Concen: 124.244 ng
RT: 15.901 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025499.D
Acq: 20 Aug 2025 07:57

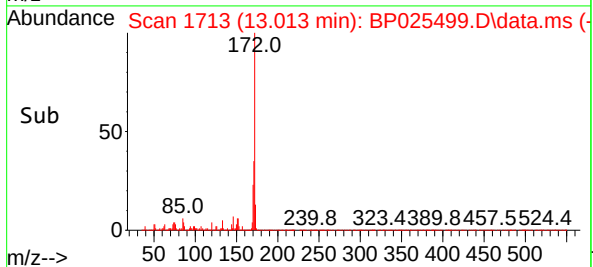
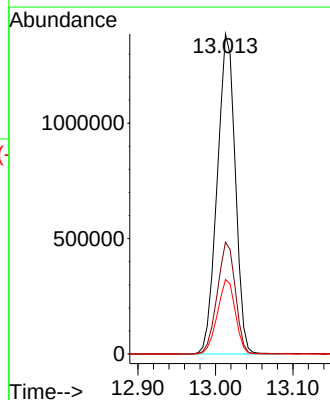
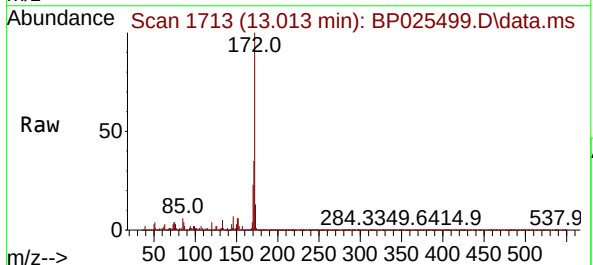
Instrument :
BNA_P
ClientSampleId :
TW-17M-S

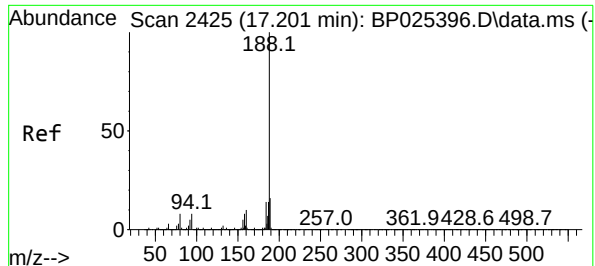
Tgt Ion	330	Resp	778648
Ion Ratio	Lower	Upper	
330	100		
332	97.5	77.3	115.9
141	35.2	26.6	39.8



#45
2-Fluorobiphenyl
Concen: 65.880 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025499.D
Acq: 20 Aug 2025 07:57

Tgt Ion	172	Resp	2244425
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.1	42.1
170	23.2	18.6	28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2425

Delta R.T. -0.012 min

Lab File: BP025499.D

Acq: 20 Aug 2025 07:57

Instrument :

BNA_P

ClientSampleId :

TW-17M-S

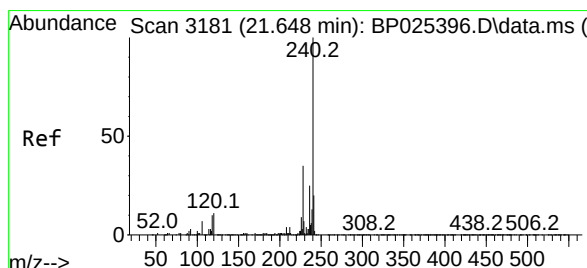
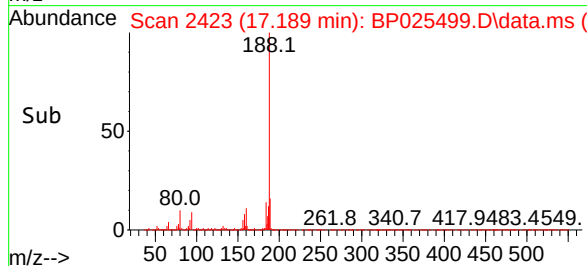
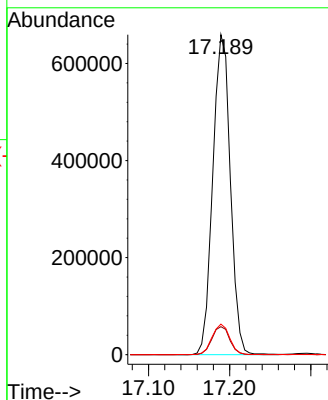
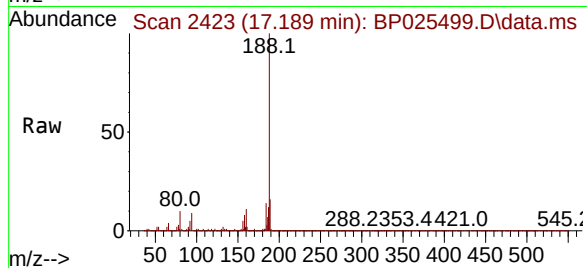
Tgt Ion:188 Resp: 990987

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.6 6.7 10.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BP025499.D

Acq: 20 Aug 2025 07:57

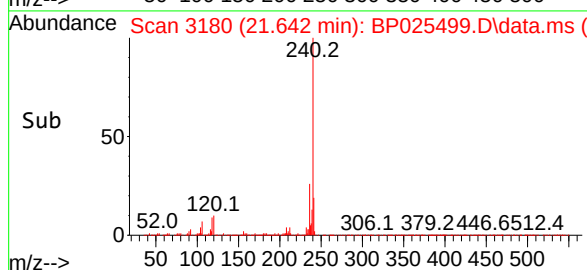
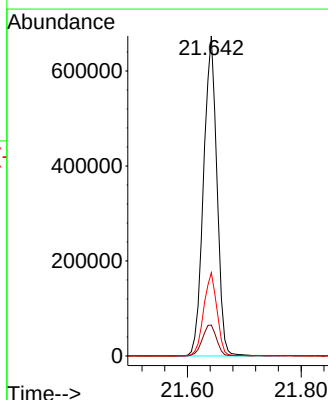
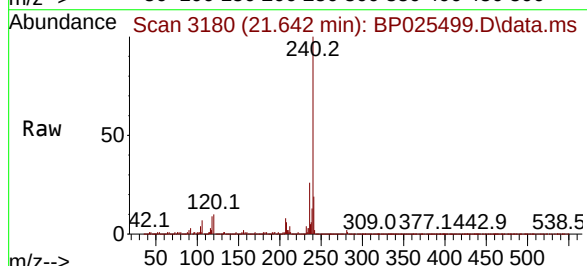
Tgt Ion:240 Resp: 1097797

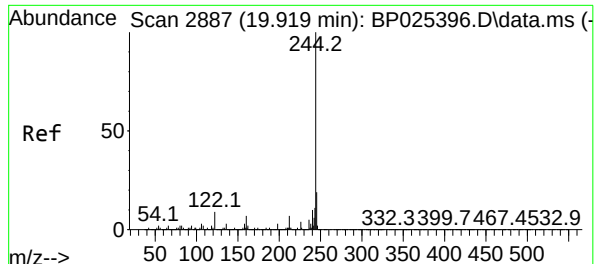
Ion Ratio Lower Upper

240 100

120 9.7 8.9 13.3

236 26.0 19.8 29.8

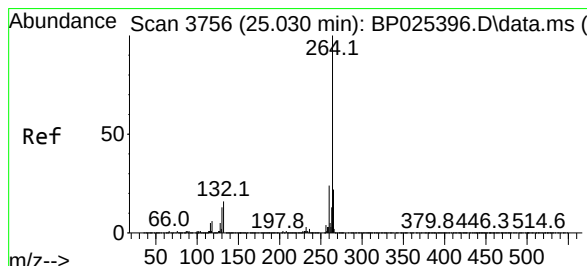
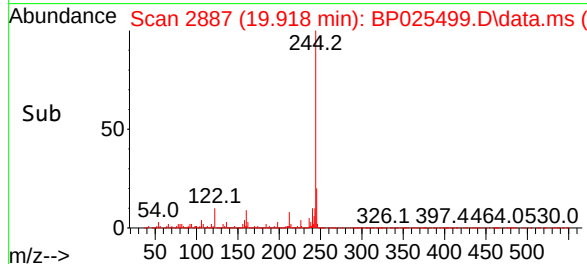
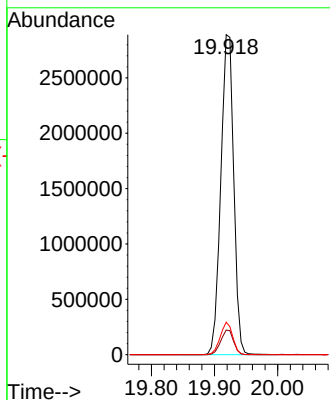
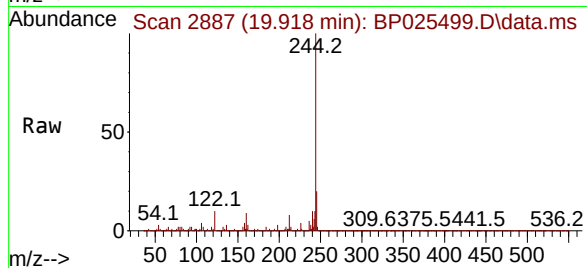




#79
Terphenyl-d14
Concen: 68.255 ng
RT: 19.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025499.D
Acq: 20 Aug 2025 07:57

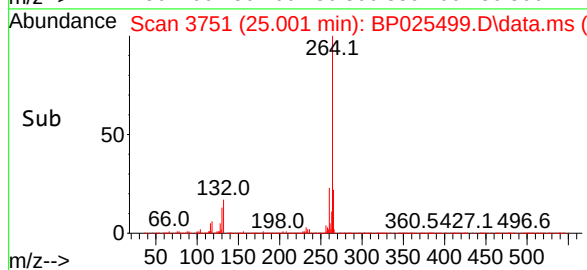
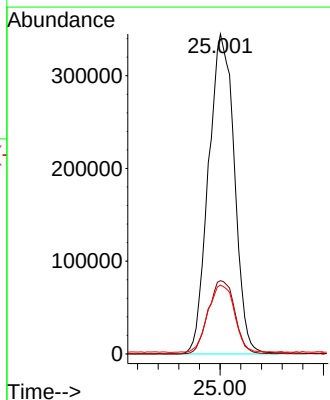
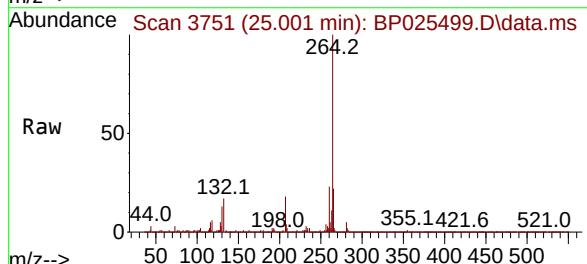
Instrument :
BNA_P
ClientSampleId :
TW-17M-S

Tgt Ion:244 Resp: 4095495
Ion Ratio Lower Upper
244 100
212 7.7 5.8 8.6
122 10.1 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.030 min
Lab File: BP025499.D
Acq: 20 Aug 2025 07:57

Tgt Ion:264 Resp: 1196411
Ion Ratio Lower Upper
264 100
260 22.9 19.3 28.9
265 21.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-17M-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025499.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	13	17	33	rVB	3166496	3952416	35.14%	7.134%
2	4.943	335	341	350	rBV	312426	448790	3.99%	0.810%
3	5.407	413	420	430	rBV	2106073	3134918	27.87%	5.659%
4	6.966	677	685	702	rBV	1635817	2719247	24.18%	4.908%
5	7.790	818	825	833	rBV	629598	1003989	8.93%	1.812%
6	8.931	1010	1019	1029	rBV	1669466	2902044	25.80%	5.238%
7	10.337	1250	1258	1269	rBV2	65041	140362	1.25%	0.253%
8	10.560	1288	1296	1308	rBV	849516	1388164	12.34%	2.506%
9	12.807	1673	1678	1693	rBV	63442	152267	1.35%	0.275%
10	13.013	1705	1713	1725	rBV	4115845	6587143	58.57%	11.890%
11	14.395	1942	1948	1958	rVB	1232243	1975597	17.57%	3.566%
12	15.772	2176	2182	2190	rBV	739320	1098632	9.77%	1.983%
13	15.901	2197	2204	2216	rBV	4084909	5960060	53.00%	10.758%
14	17.189	2417	2423	2430	rBV2	1642370	2466924	21.94%	4.453%
15	18.142	2578	2585	2606	rBV	1071959	1858284	16.52%	3.354%
16	19.313	2780	2784	2786	rBV3	83125	112993	1.00%	0.204%
17	19.466	2805	2810	2821	rBV	509497	788548	7.01%	1.423%
18	19.918	2881	2887	2897	rBV	8055492	11246377	100.00%	20.301%
19	20.789	3032	3035	3039	rVB	135558	125698	1.12%	0.227%
20	21.307	3119	3123	3132	rVB3	589225	1025519	9.12%	1.851%
21	21.642	3173	3180	3188	rBV	1805366	2930090	26.05%	5.289%
22	21.901	3220	3224	3230	rVB	147626	229276	2.04%	0.414%
23	25.001	3742	3751	3770	rVB2	895304	3151988	28.03%	5.690%

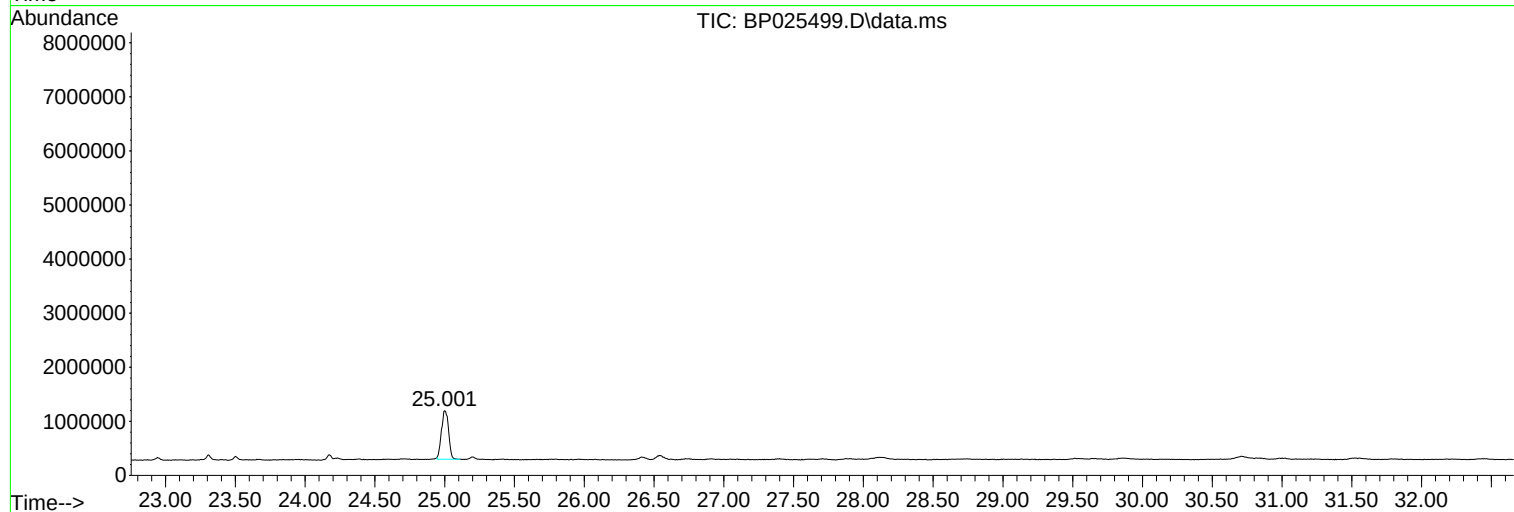
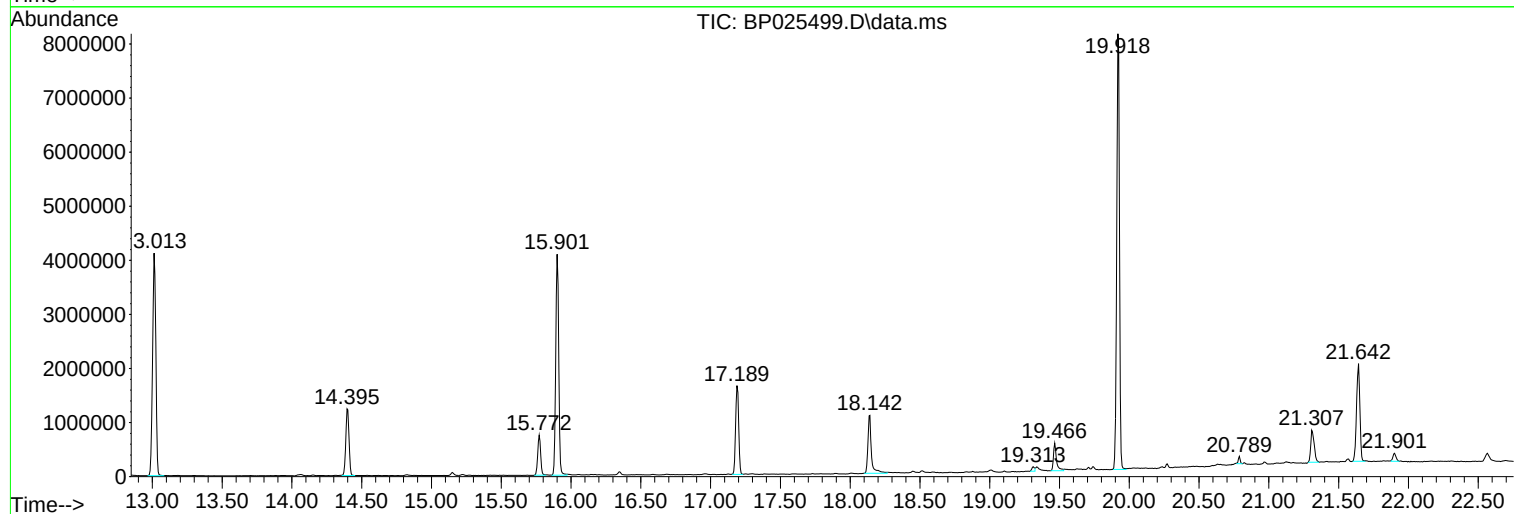
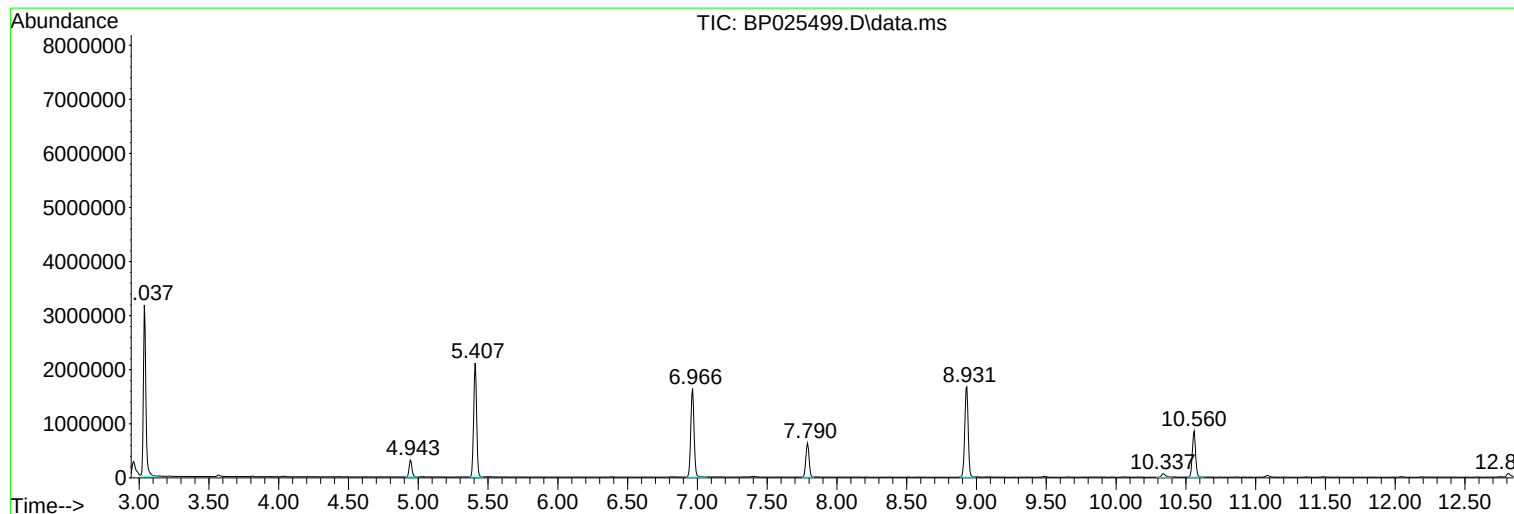
Sum of corrected areas: 55399326

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-17M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-17M-S

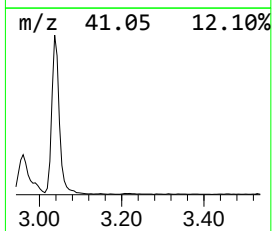
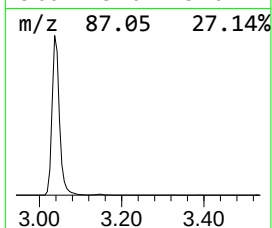
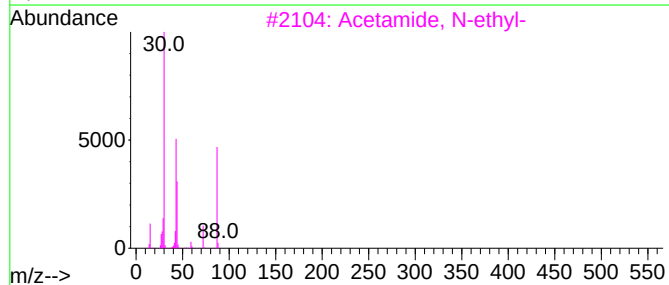
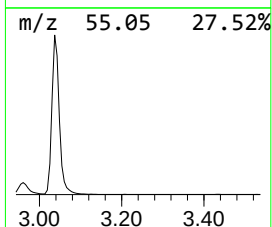
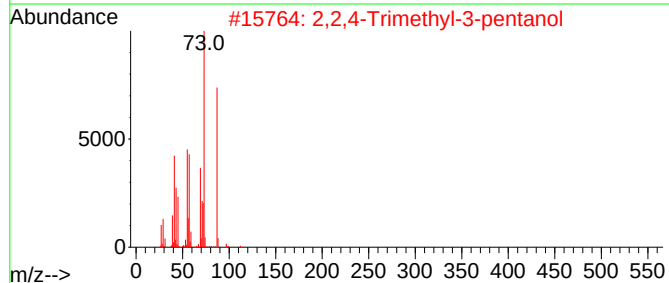
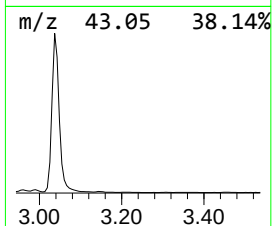
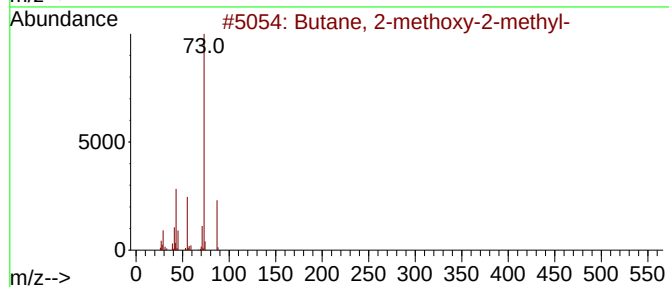
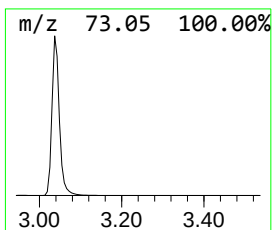
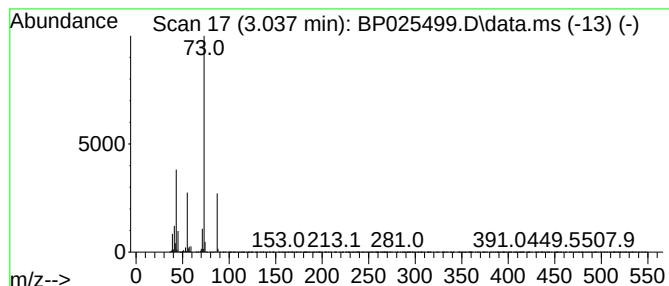
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	78.73 ng	3952420	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-17M-S

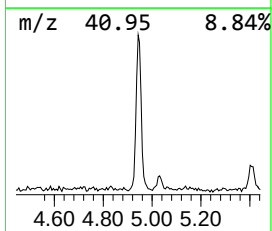
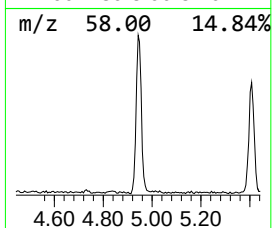
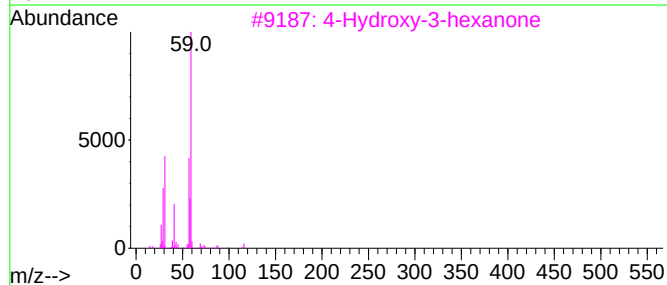
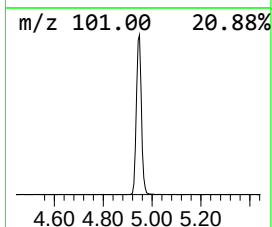
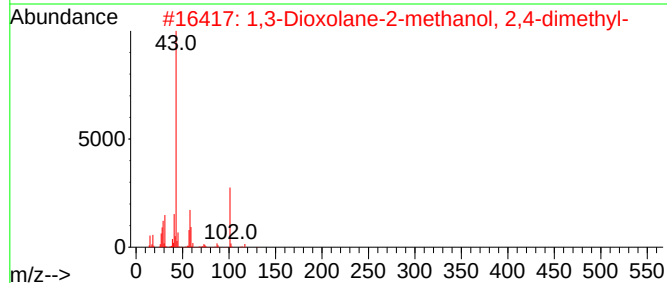
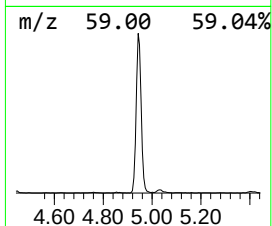
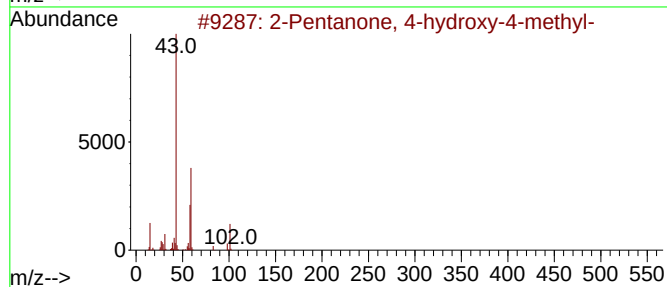
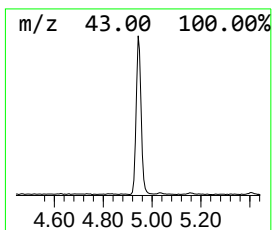
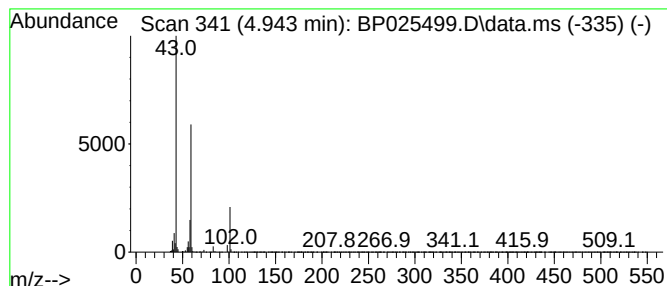
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.943	8.94 ng	448790	1,4-Dichlorobenzene-d4	7.790

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2		1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	28
3		4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	23
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5		Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-17M-S

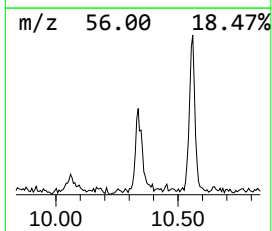
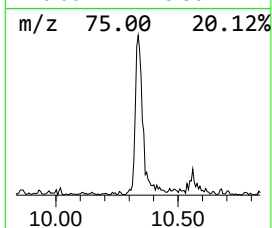
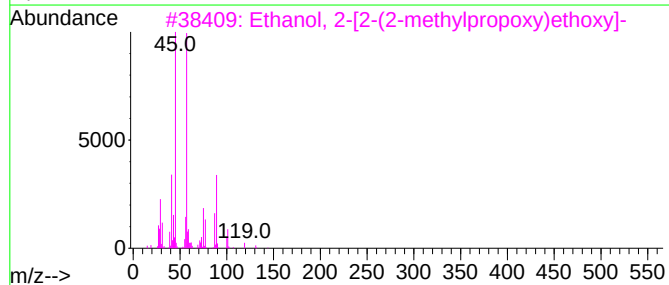
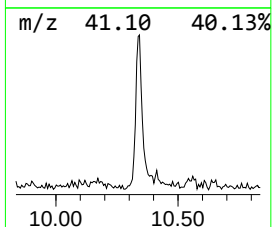
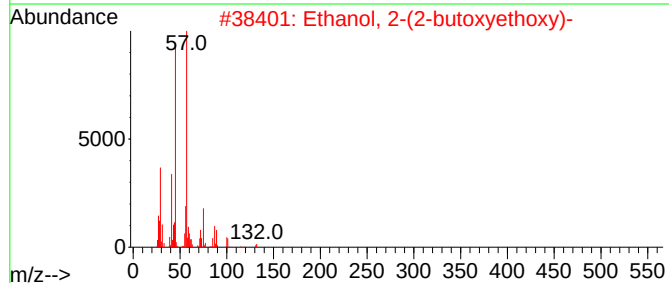
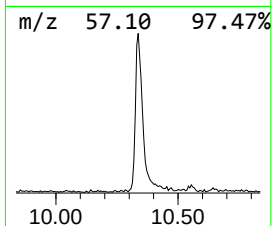
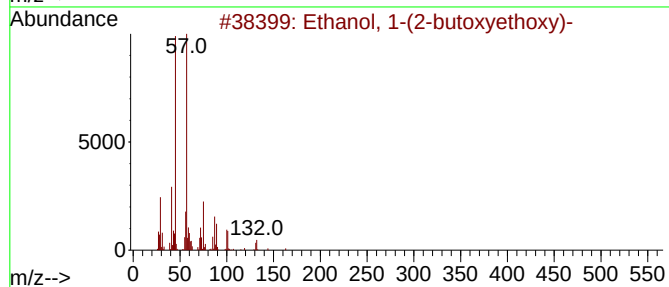
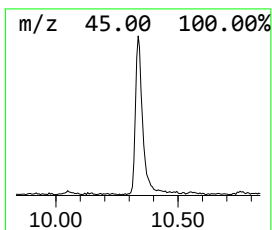
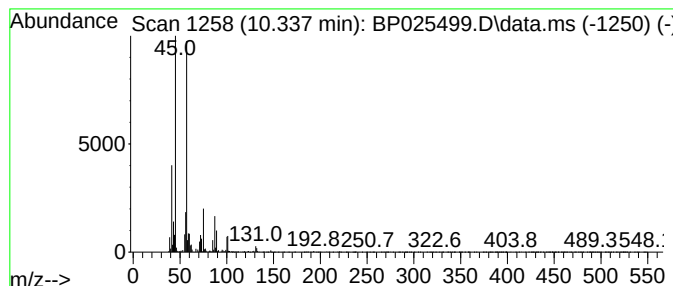
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Ethanol, 1-(2-butoxyethoxy)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.337	2.02 ng	140362	Naphthalene-d8	10.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	90
2			Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
3			Ethanol, 2-[2-(2-methylpropoxy)ethoxy]-	162	C8H18O3	018912-80-6	72
4			Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
5			Di-sec-Butyl ether	130	C8H18O	006863-58-7	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-17M-S

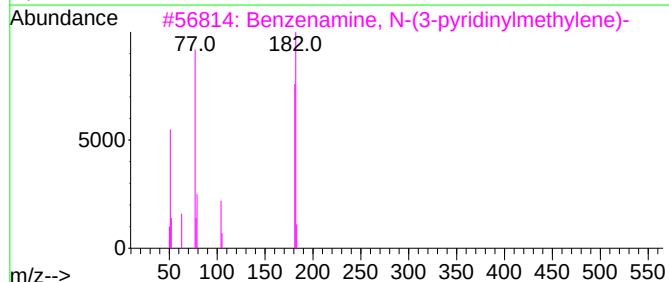
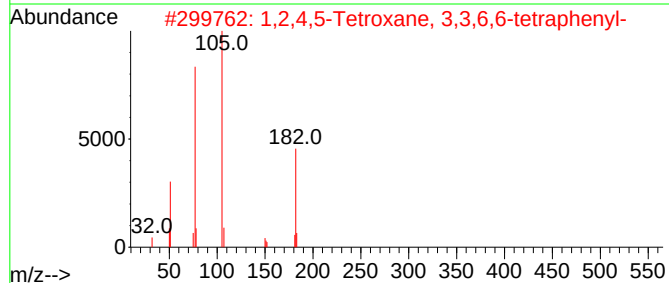
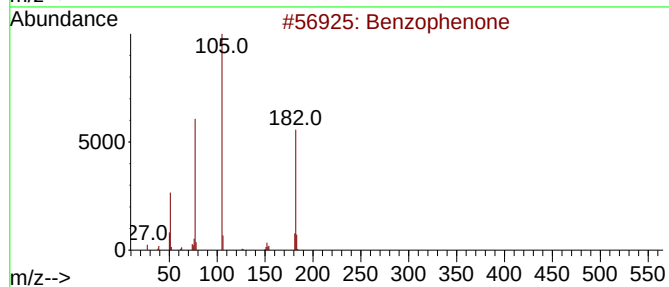
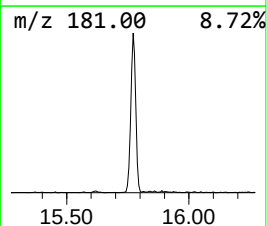
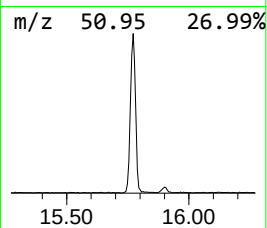
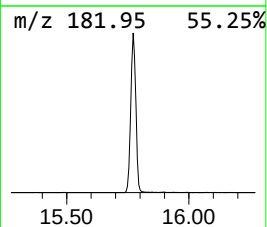
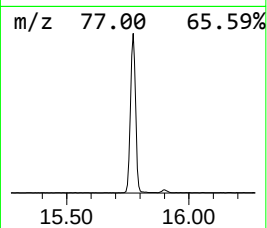
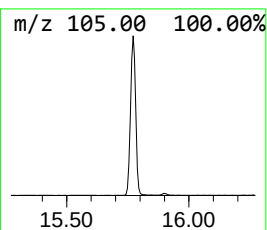
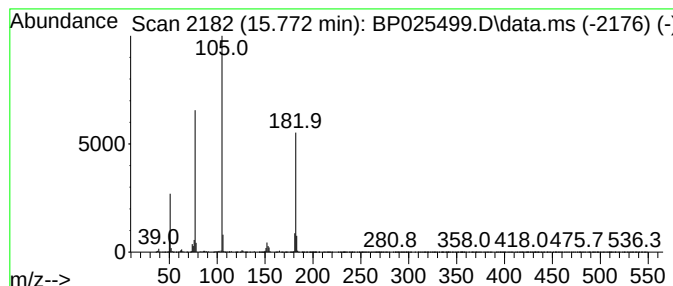
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	11.12 ng	1098630	Acenaphthene-d10	14.401

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	59
4			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

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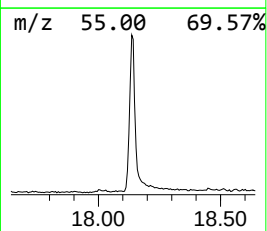
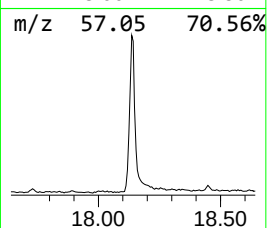
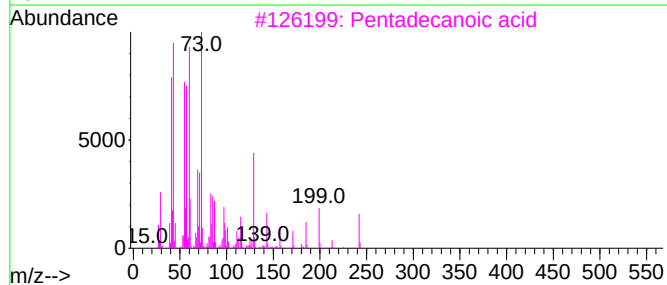
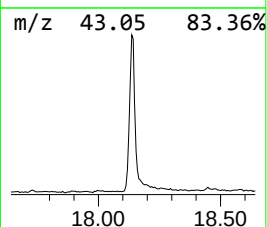
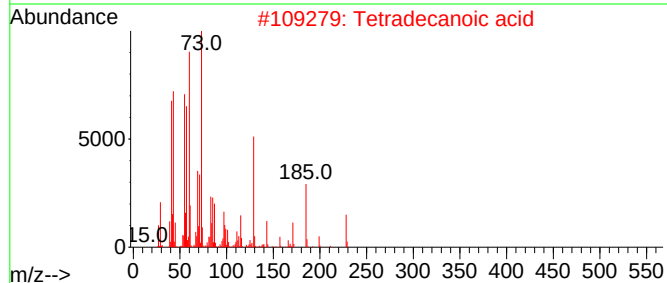
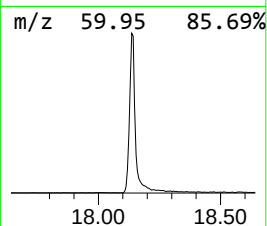
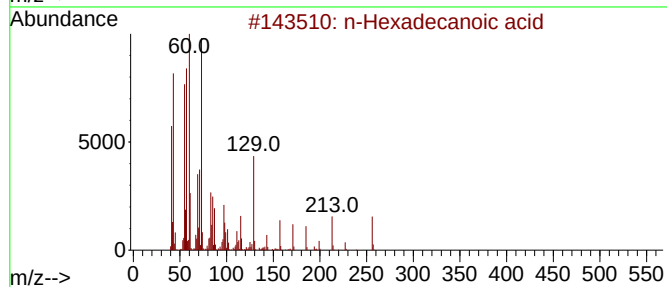
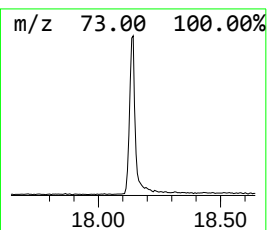
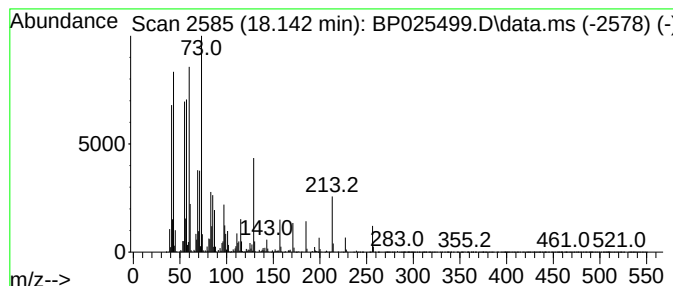
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	15.07 ng	1858280	Phenanthrene-d10	17.189

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4			Tridecanoic acid	214	C13H26O2	000638-53-9	86
5			n-Decanoic acid	172	C10H20O2	000334-48-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TW-17M-S

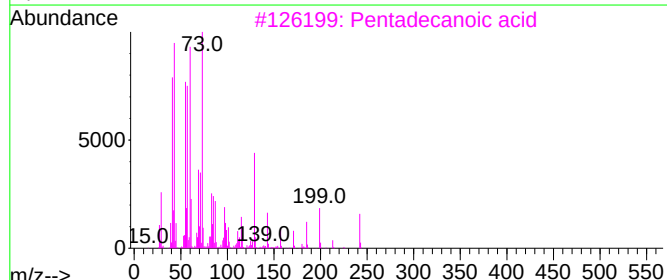
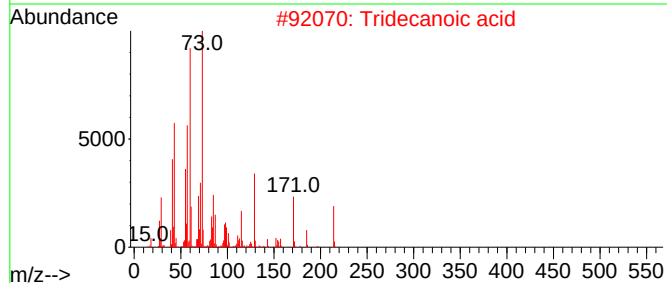
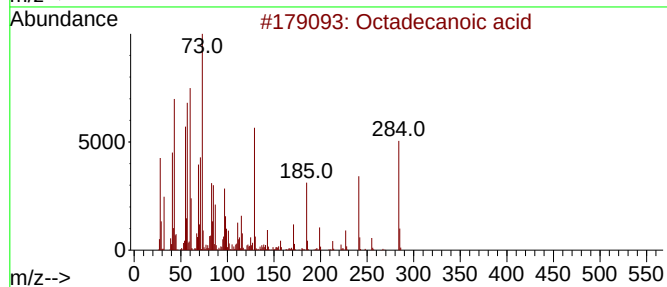
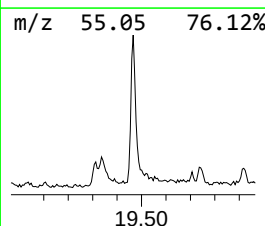
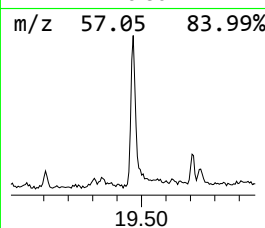
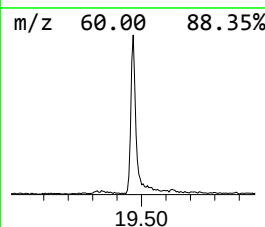
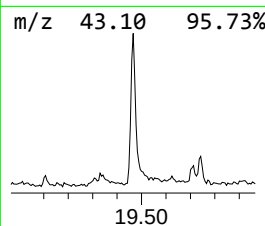
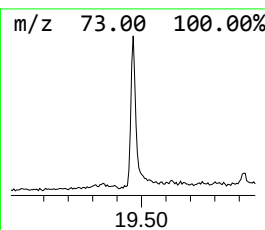
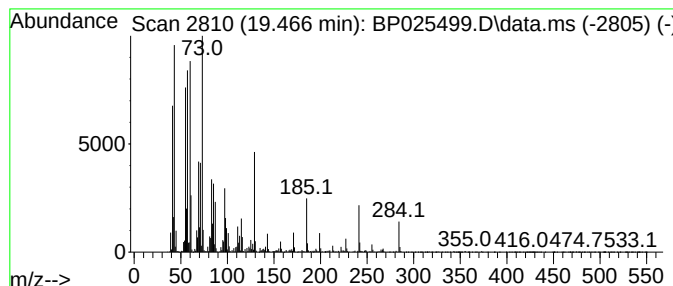
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.465	5.38 ng	788548	Chrysene-d12	21.642

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	90
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
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ALS Vial : 30 Sample Multiplier: 1

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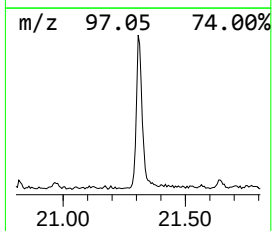
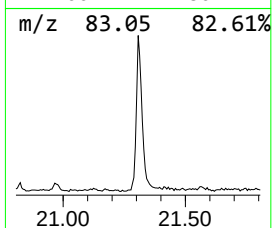
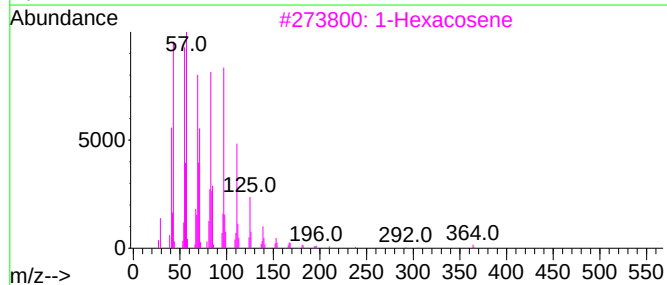
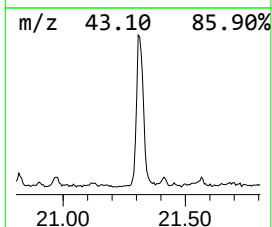
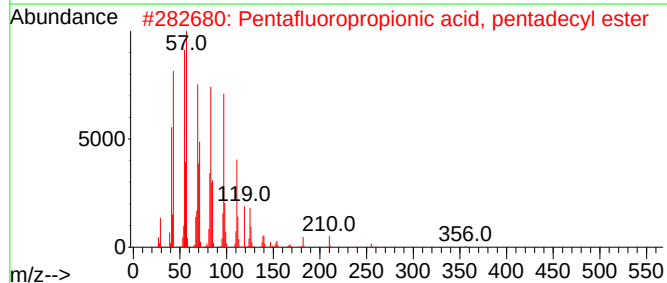
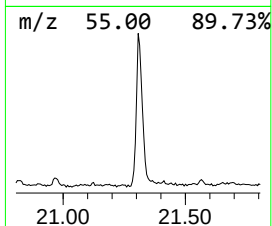
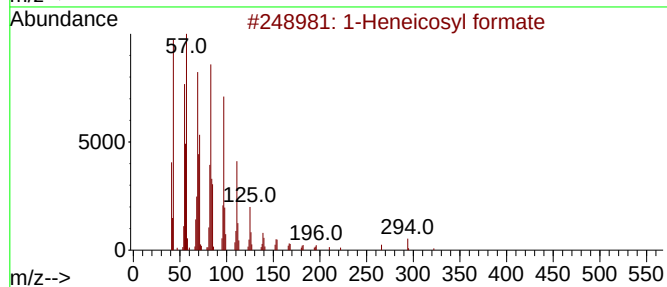
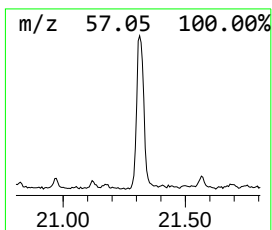
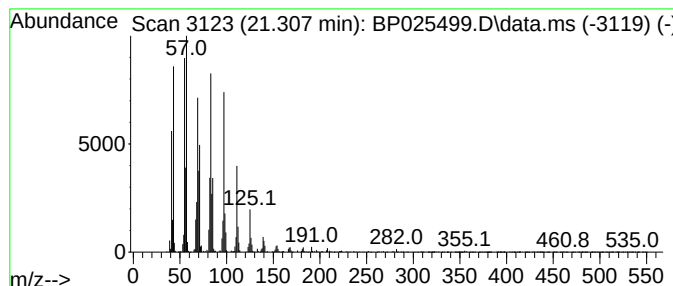
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Heneicosyl formate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
21.307	7.00 ng	1025520	Chrysene-d12		21.642

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heneicosyl formate	340	C22H44O2	077899-03-7	96
2		Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
3		1-Hexacosene	364	C26H52	018835-33-1	94
4		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5		1-Tetracosene	336	C24H48	010192-32-2	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025499.D
Acq On : 20 Aug 2025 07:57
Operator : CG/JU
Sample : Q2815-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-17M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	78.7	ng	3952420	1	7.790	1003990	20.0
2-Pentanone, 4-...	4.943	8.9	ng	448790	1	7.790	1003990	20.0
Ethanol, 1-(2-b...	10.337	2.0	ng	140362	2	10.560	1388160	20.0
Benzophenone	15.772	11.1	ng	1098630	3	14.401	1975600	20.0
n-Hexadecanoic ...	18.142	15.1	ng	1858280	4	17.189	2466920	20.0
Octadecanoic acid	19.465	5.4	ng	788548	5	21.642	2930090	20.0
1-Heneicosyl fo...	21.307	7.0	ng	1025520	5	21.642	2930090	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-17	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025498.D	1	08/14/25 09:15	08/20/25 07:16	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-17	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025498.D	1	08/14/25 09:15	08/20/25 07:16	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-17	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025498.D	1	08/14/25 09:15	08/20/25 07:16	PB169244

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

SURROGATES

367-12-4	2-Fluorophenol	112		19 - 119	74%	SPK: 150
13127-88-3	Phenol-d6	92.9		10 - 130	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		44 - 120	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.7		44 - 119	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	190		43 - 140	127%	SPK: 150
1718-51-0	Terphenyl-d14	98.1		50 - 134	98%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	135000	7.784
1146-65-2	Naphthalene-d8	532000	10.56
15067-26-2	Acenaphthene-d10	359000	14.413
1517-22-2	Phenanthrene-d10	773000	17.201
1719-03-5	Chrysene-d12	931000	21.654
1520-96-3	Perylene-d12	1050000	25.018

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	59.6	J	3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.30	AB	4.94	ug/L
000119-61-9	Benzophenone	4.90	J	15.8	ug/L
000057-10-3	n-Hexadecanoic acid	8.60	J	18.1	ug/L
000057-11-4	Octadecanoic acid	2.60	J	19.5	ug/L
002136-70-1	Ethanol, 2-(tetradecyloxy)-	3.60	J	21.3	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-17	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025498.D	1	08/14/25 09:15	08/20/25 07:16	PB169244

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

Quant Time: Aug 20 08:21:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	135355	20.000	ng	-0.01
21) Naphthalene-d8	10.560	136	532071	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	358845	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	772879	20.000	ng	0.00
76) Chrysene-d12	21.654	240	930555	20.000	ng	0.00
86) Perylene-d12	25.018	264	1053022	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	909955	111.644	ng	0.00
7) Phenol-d6	6.966	99	971106	92.932	ng	0.00
23) Nitrobenzene-d5	8.931	82	1073601	102.070	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	918952	190.256	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	2513980	95.747	ng	0.00
79) Terphenyl-d14	19.930	244	4991772	98.144	ng	0.01

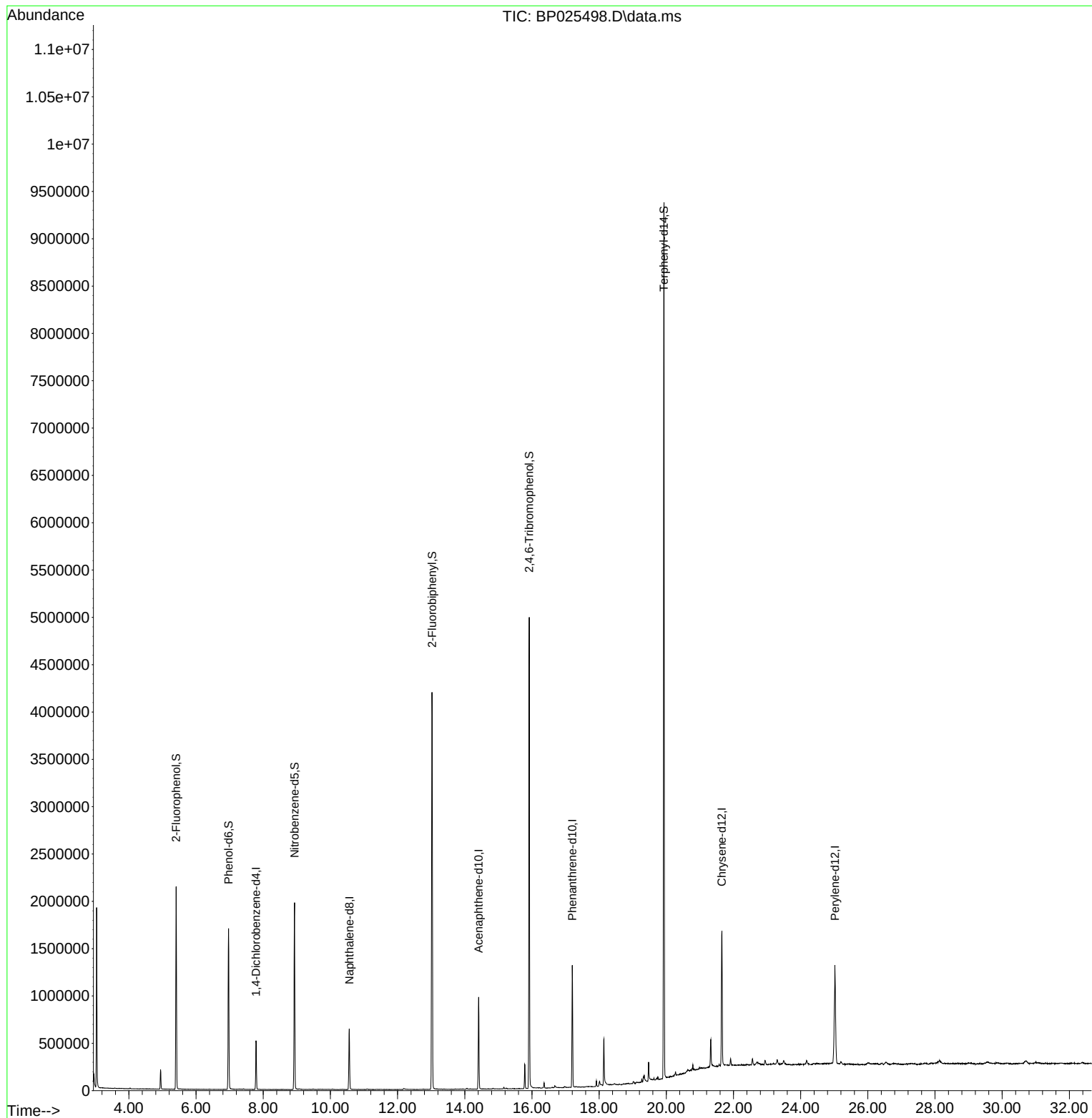
Target Compounds	Qvalue

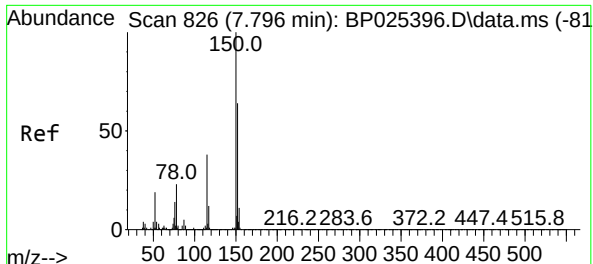
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

Quant Time: Aug 20 08:21:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

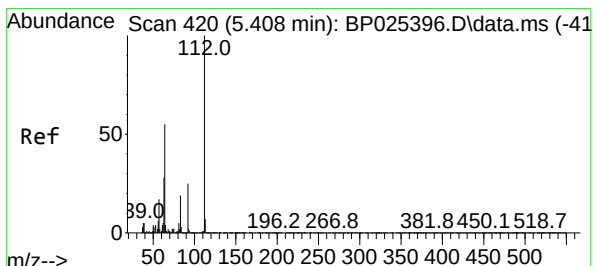
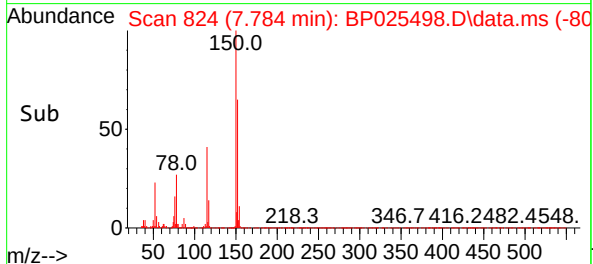
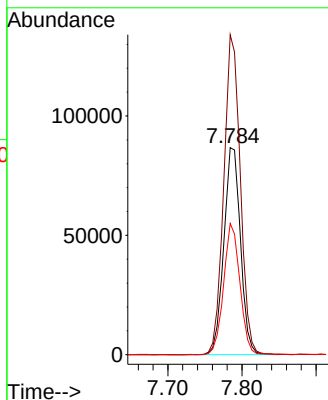
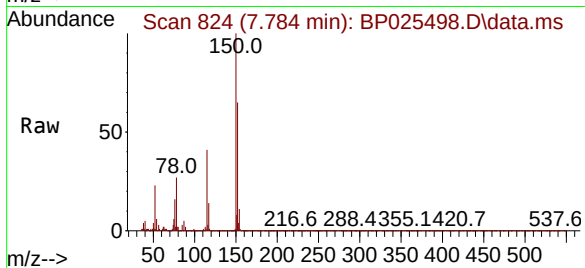




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025498.D
Acq: 20 Aug 2025 07:16

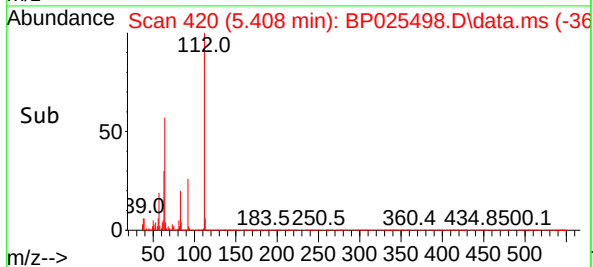
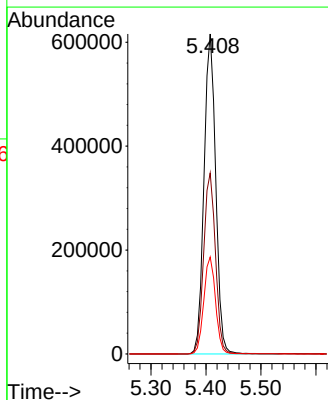
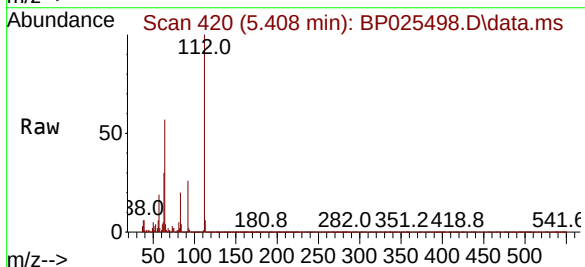
Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

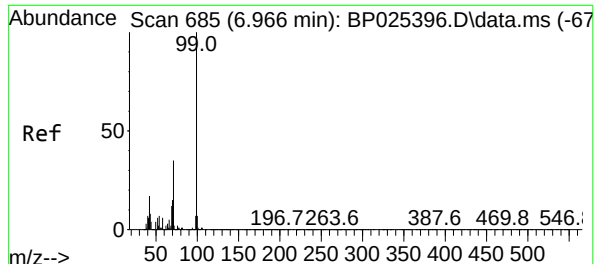
Tgt Ion:152 Resp: 135355
Ion Ratio Lower Upper
152 100
150 154.6 125.9 188.9
115 63.4 48.5 72.7



#5
2-Fluorophenol
Concen: 111.644 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025498.D
Acq: 20 Aug 2025 07:16

Tgt Ion:112 Resp: 909955
Ion Ratio Lower Upper
112 100
64 56.5 43.8 65.8
63 30.3 22.7 34.1

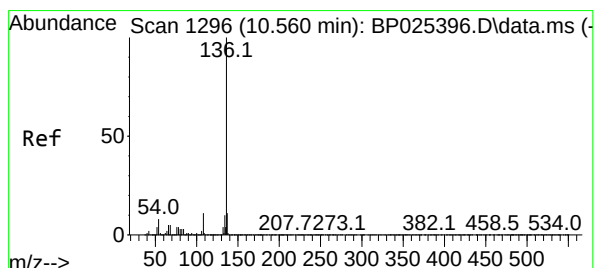
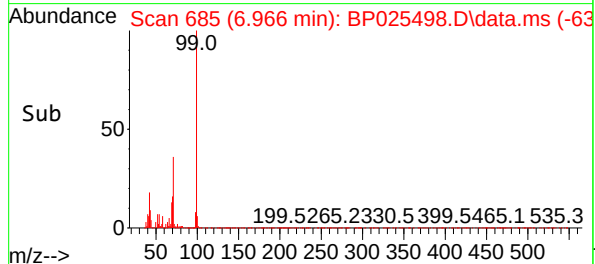
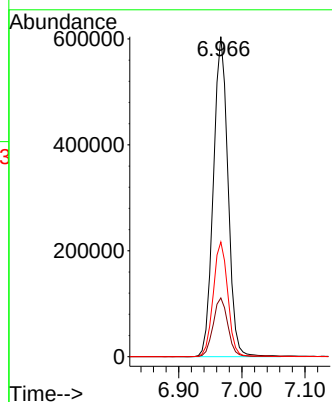
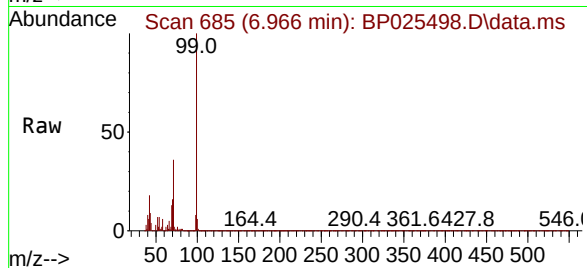




#7
Phenol-d6
Concen: 92.932 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025498.D
Acq: 20 Aug 2025 07:16

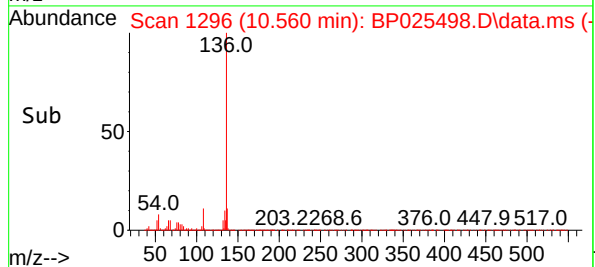
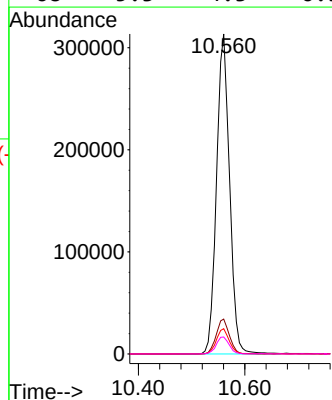
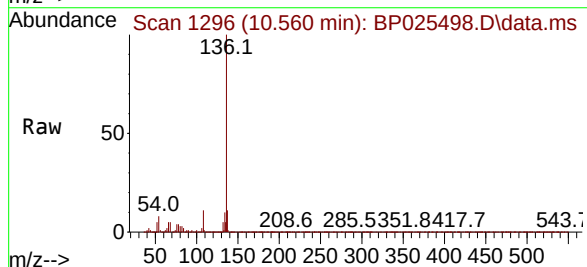
Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

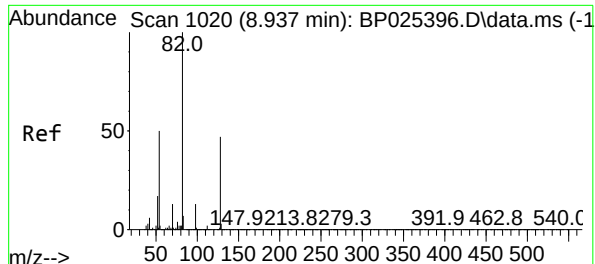
Tgt Ion: 99 Resp: 971106
Ion Ratio Lower Upper
99 100
42 18.3 13.7 20.5
71 35.9 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025498.D
Acq: 20 Aug 2025 07:16

Tgt Ion: 136 Resp: 532071
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.9 6.0 9.0
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 102.070 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025498.D

Acq: 20 Aug 2025 07:16

Instrument :

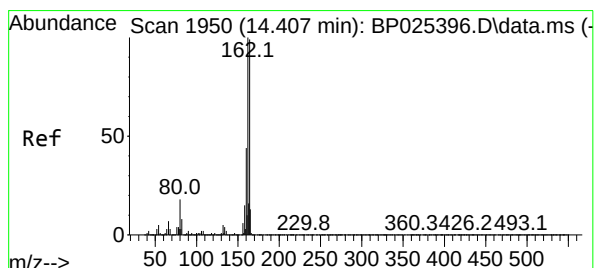
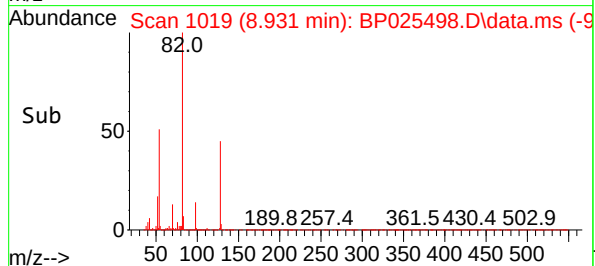
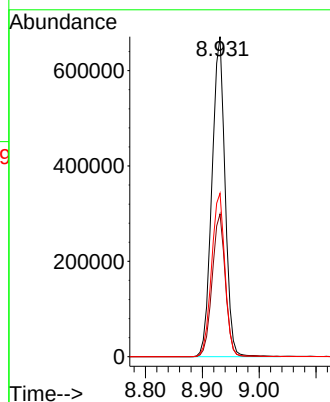
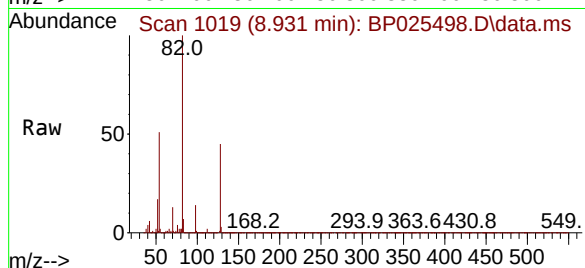
BNA_P

ClientSampleId :

TW-84SB-S

Tgt Ion: 82 Resp: 1073601

Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.7	56.5
54	51.1	39.8	59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.413 min Scan# 1951

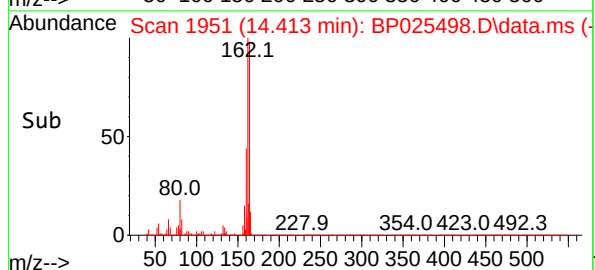
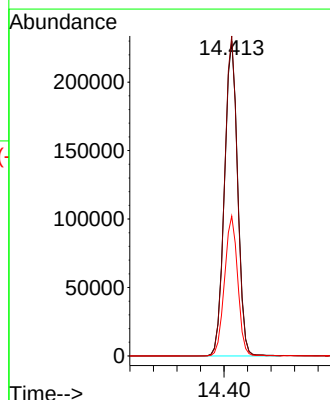
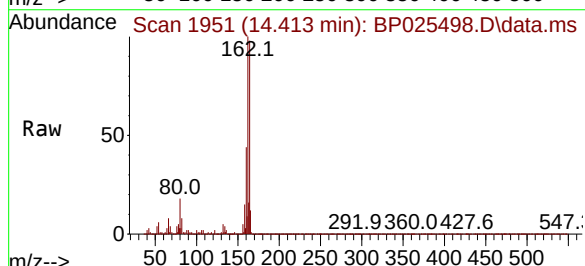
Delta R.T. 0.006 min

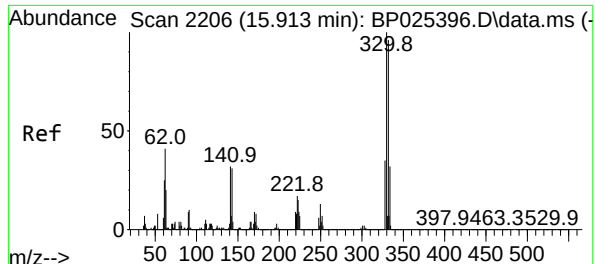
Lab File: BP025498.D

Acq: 20 Aug 2025 07:16

Tgt Ion:164 Resp: 358845

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.0	121.6
160	44.4	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 190.256 ng

RT: 15.919 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025498.D

Acq: 20 Aug 2025 07:16

Instrument :

BNA_P

ClientSampleId :

TW-84SB-S

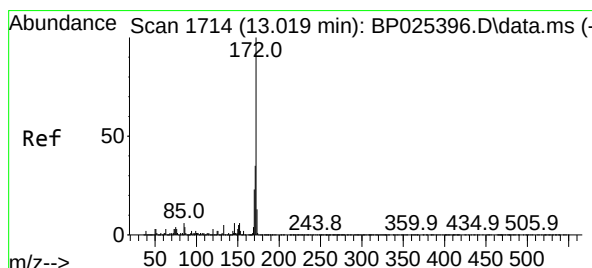
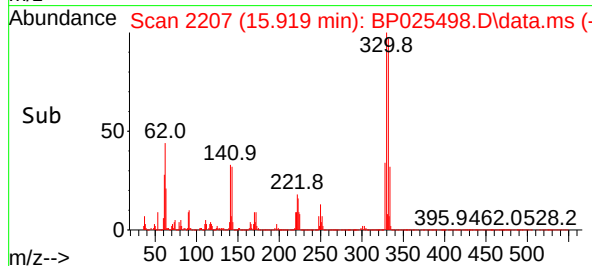
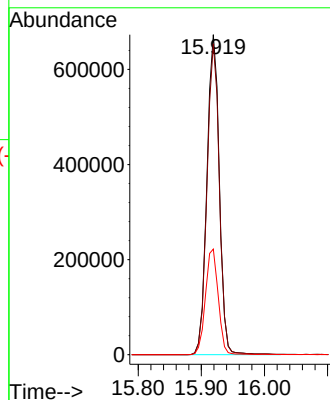
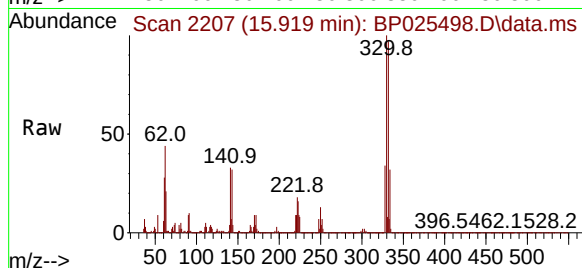
Tgt Ion:330 Resp: 918952

Ion Ratio Lower Upper

330 100

332 96.7 77.3 115.9

141 34.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 95.747 ng

RT: 13.025 min Scan# 1715

Delta R.T. 0.006 min

Lab File: BP025498.D

Acq: 20 Aug 2025 07:16

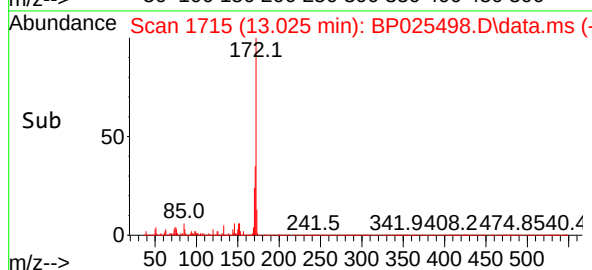
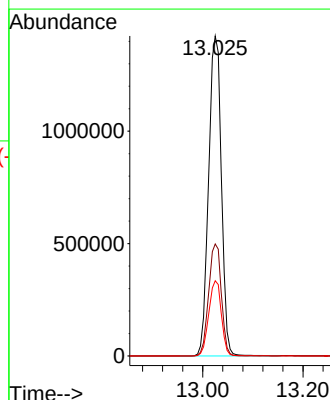
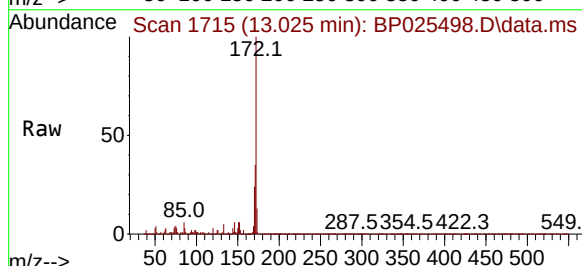
Tgt Ion:172 Resp: 2513980

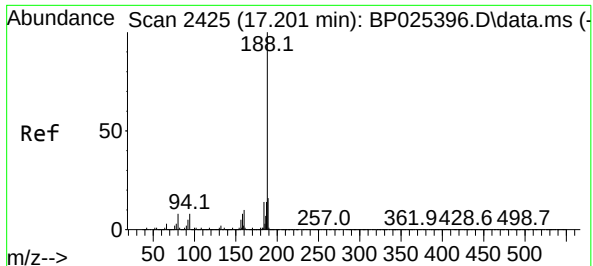
Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.5 18.6 28.0

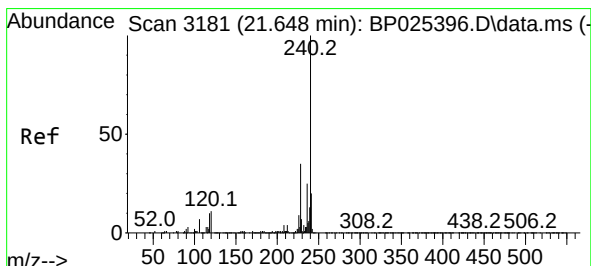
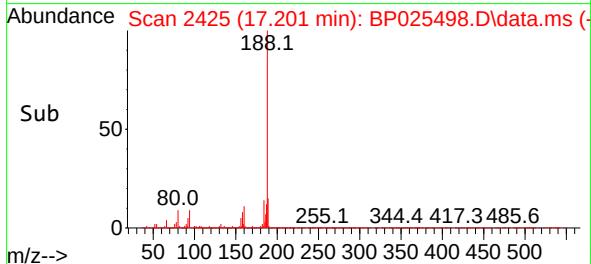
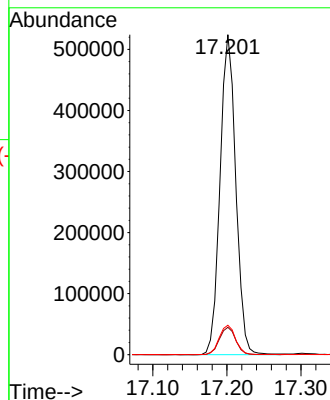
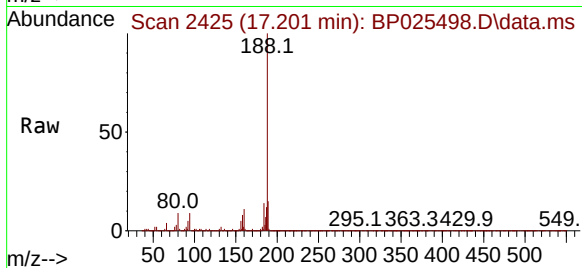




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025498.D
Acq: 20 Aug 2025 07:16

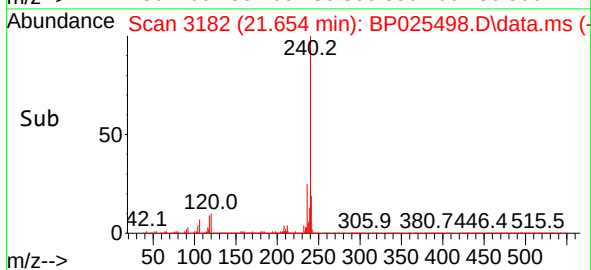
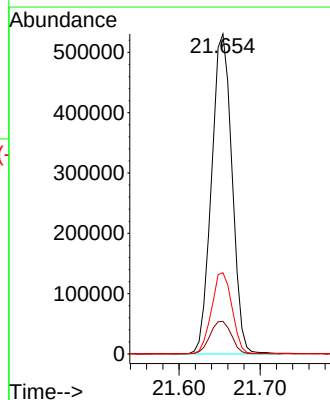
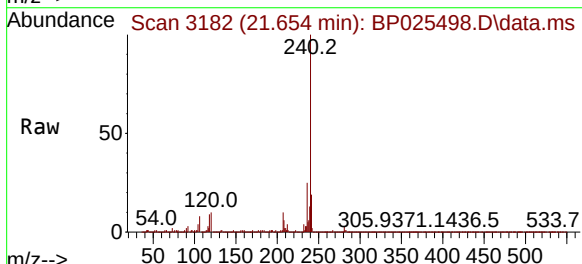
Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

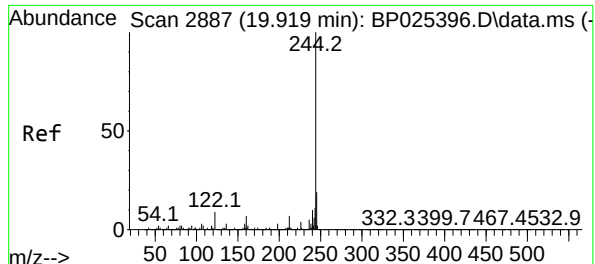
Tgt Ion:188 Resp: 772879
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.2 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025498.D
Acq: 20 Aug 2025 07:16

Tgt Ion:240 Resp: 930555
Ion Ratio Lower Upper
240 100
120 10.2 8.9 13.3
236 25.4 19.8 29.8

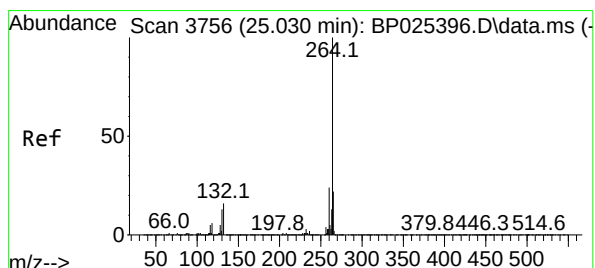
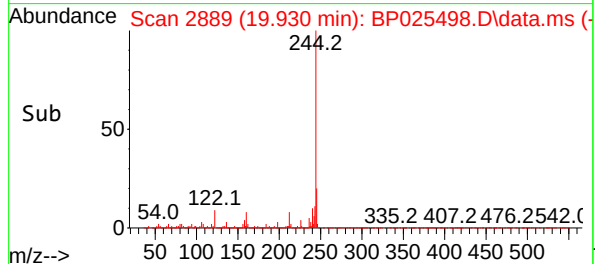
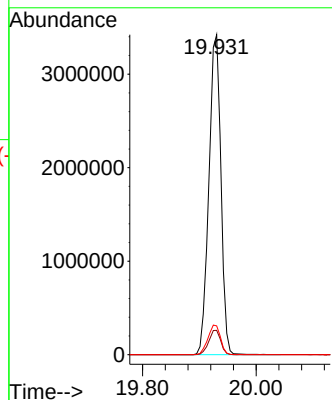
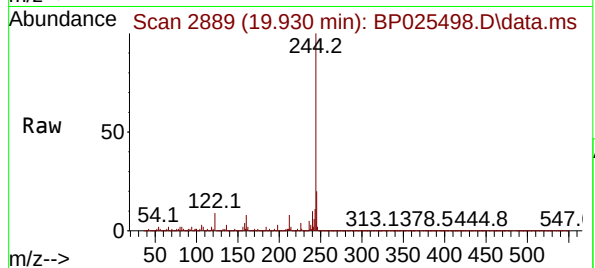




#79
 Terphenyl-d14
 Concen: 98.144 ng
 RT: 19.930 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BP025498.D
 Acq: 20 Aug 2025 07:16

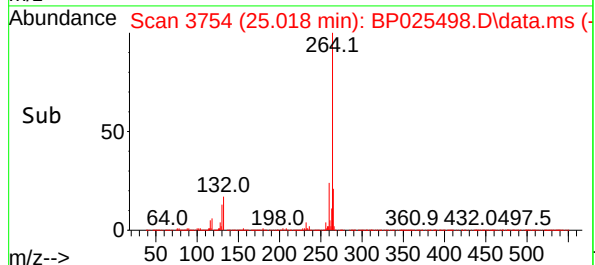
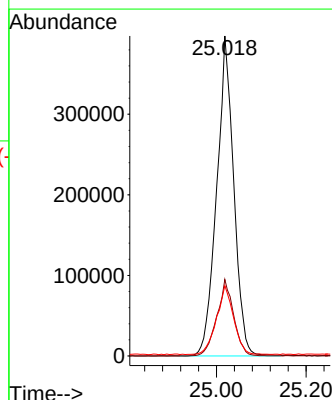
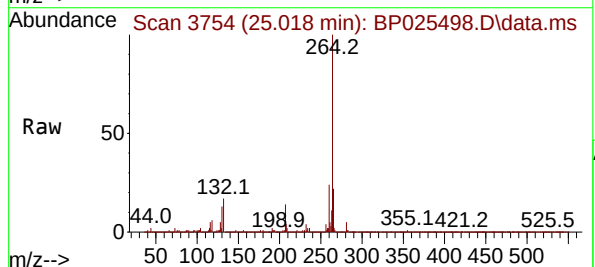
Instrument :
 BNA_P
 ClientSampleId :
 TW-84SB-S

Tgt Ion:244 Resp: 4991772
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.6
 122 9.0 7.4 11.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.018 min Scan# 3754
 Delta R.T. -0.012 min
 Lab File: BP025498.D
 Acq: 20 Aug 2025 07:16

Tgt Ion:264 Resp: 1053022
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.3 28.9
 265 21.9 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025498.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	12	17	32	rVB	1903016	2353278	17.14%	4.484%
2	4.943	335	341	349	rBV	205625	288808	2.10%	0.550%
3	5.408	413	420	432	rBV	2140898	3172373	23.11%	6.045%
4	6.966	676	685	705	rBV	1700949	2793918	20.35%	5.323%
5	7.784	817	824	833	rBV	515458	797220	5.81%	1.519%
6	8.931	1008	1019	1033	rBV	1975574	3200679	23.32%	6.098%
7	10.560	1288	1296	1310	rBV	641464	1091305	7.95%	2.079%
8	13.025	1706	1715	1728	rBV	4194346	7376782	53.74%	14.055%
9	14.413	1943	1951	1962	rBV	972656	1524735	11.11%	2.905%
10	15.784	2179	2184	2192	rBV	257083	368312	2.68%	0.702%
11	15.919	2200	2207	2228	rBV	4977926	6948611	50.62%	13.240%
12	17.201	2418	2425	2436	rBV2	1291130	1945995	14.18%	3.708%
13	18.142	2579	2585	2602	rBV	492592	831929	6.06%	1.585%
14	19.472	2807	2811	2821	rBV	203376	321295	2.34%	0.612%
15	19.931	2882	2889	2900	rBV	9248318	13727027	100.00%	26.155%
16	21.325	3121	3126	3134	rBV	279770	453846	3.31%	0.865%
17	21.654	3176	3182	3194	rVB2	1418939	2529606	18.43%	4.820%
18	25.018	3745	3754	3770	rVB	1041916	2757877	20.09%	5.255%

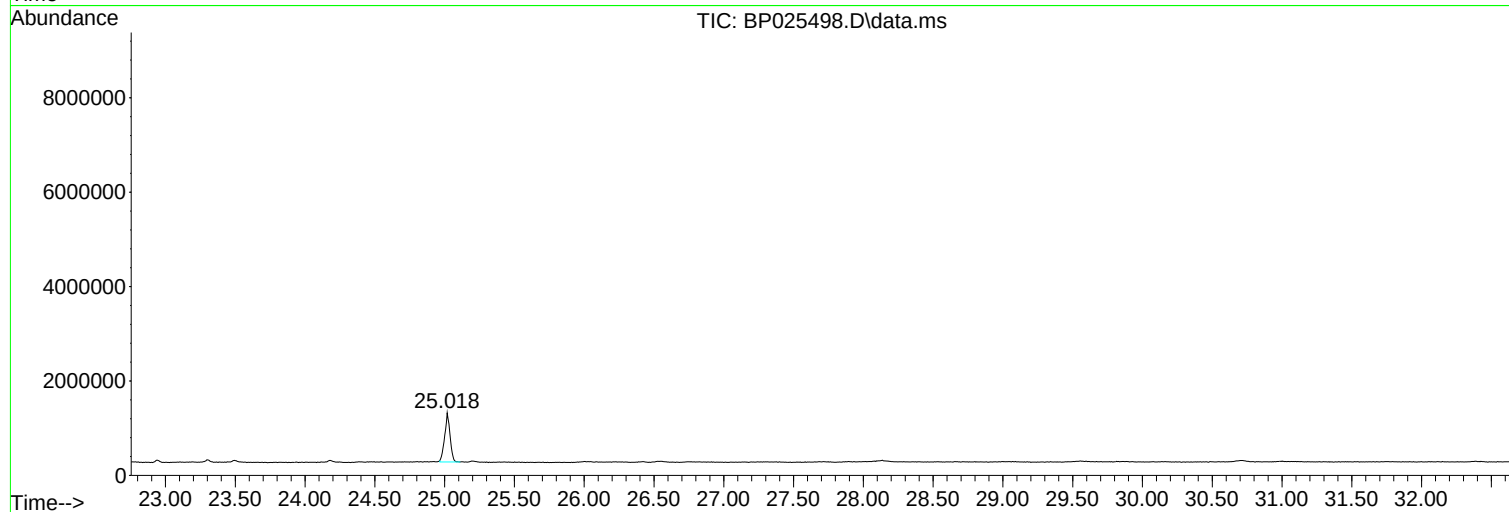
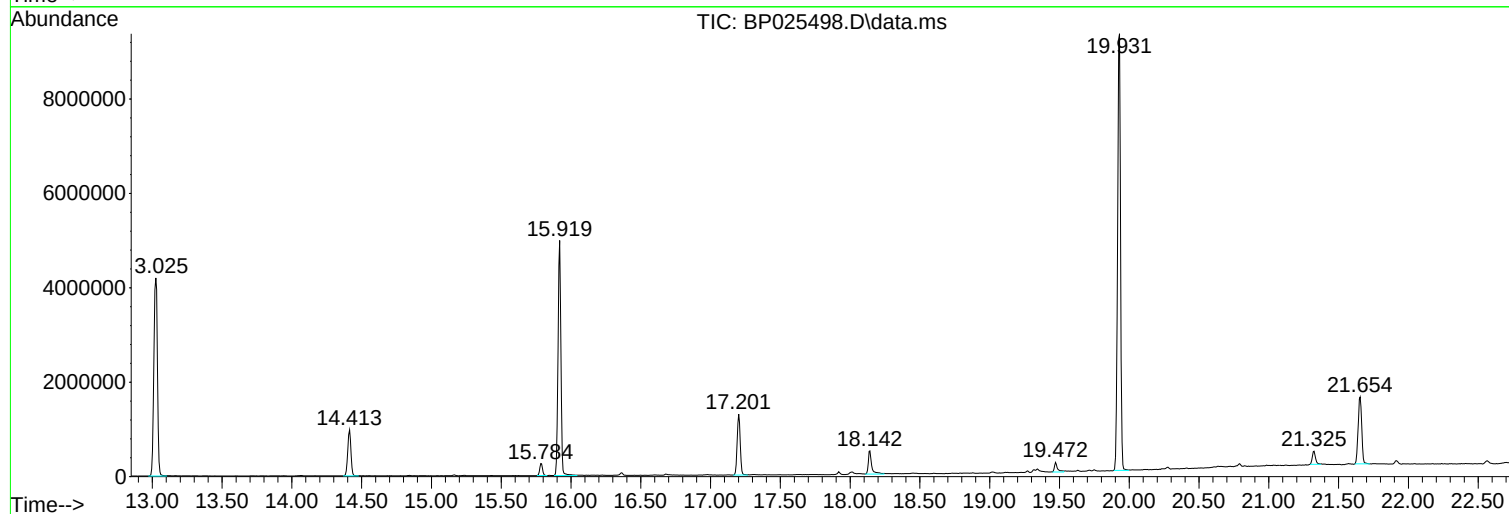
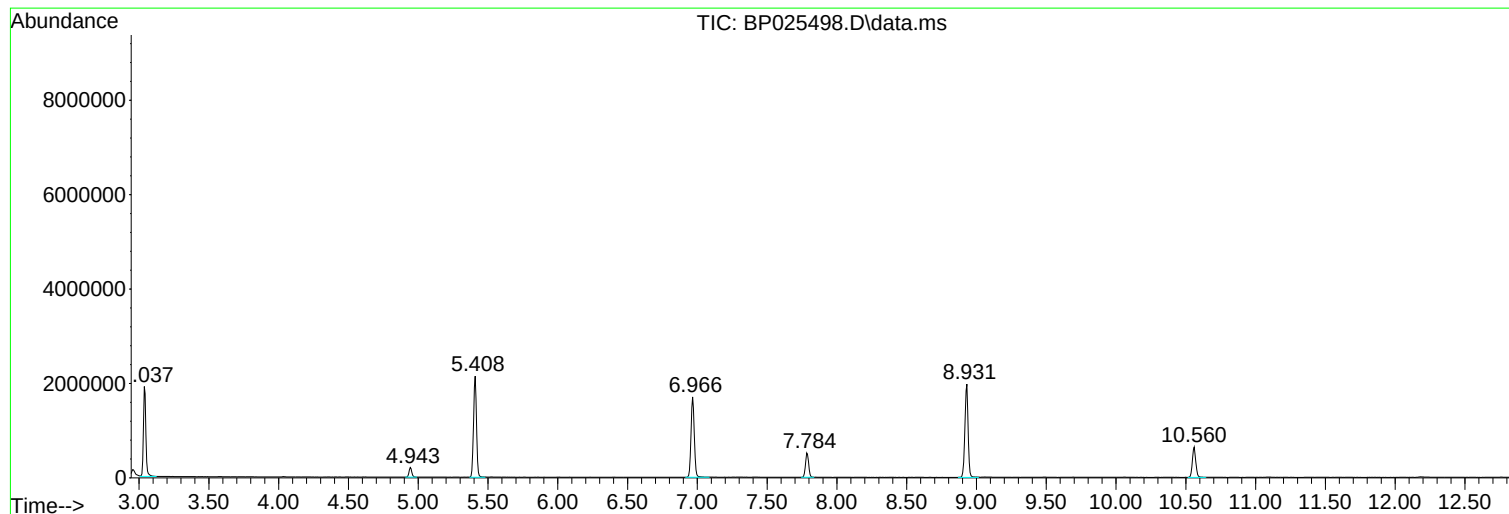
Sum of corrected areas: 52483596

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

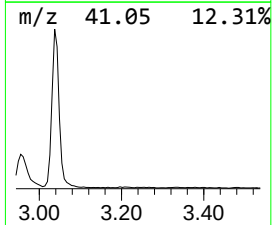
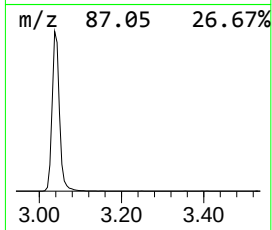
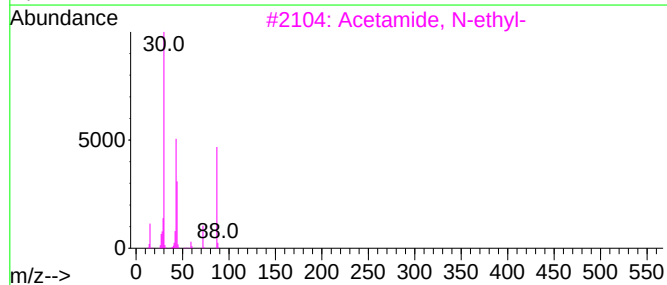
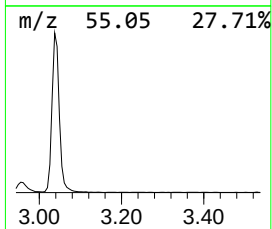
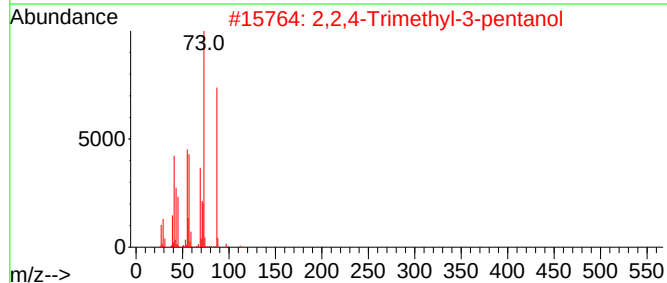
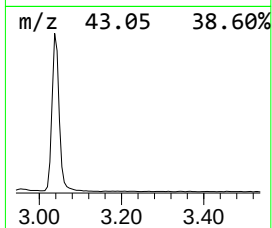
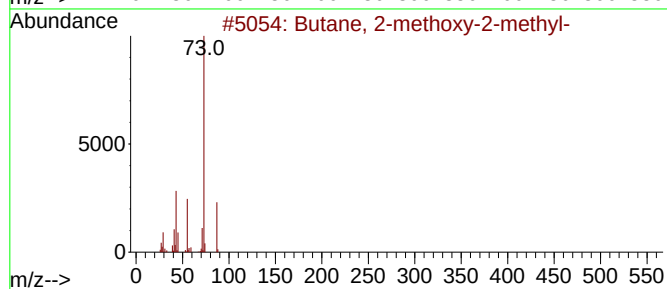
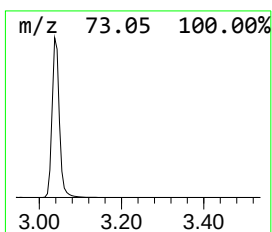
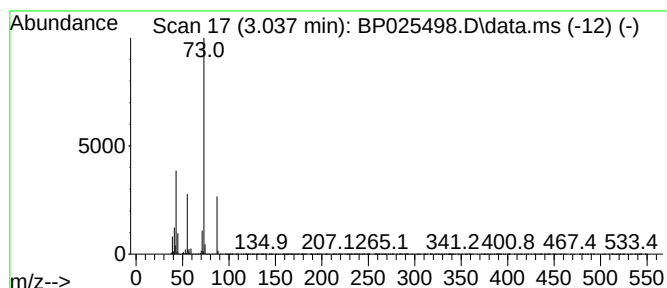
Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
3.037	59.04 ng	2353280	1,4-Dichlorobenzene-d4		7.784	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-		102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol		130	C8H18O	005162-48-1	39
3	Acetamide, N-ethyl-		87	C4H9NO	000625-50-3	27
4	1,3-Dioxolane, 2-methyl-		88	C4H8O2	000497-26-7	25
5	Octanal, 7-methoxy-3,7-dimethyl-		186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

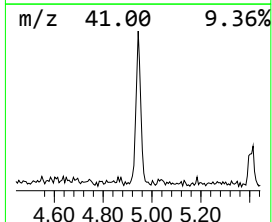
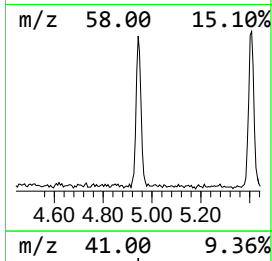
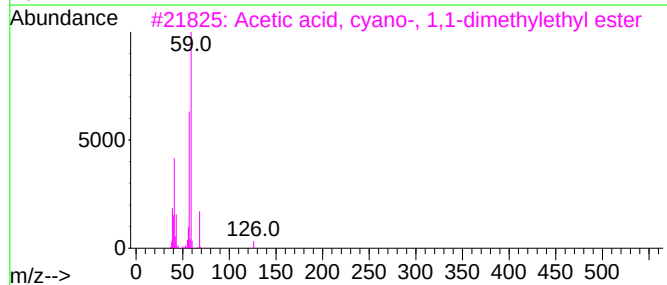
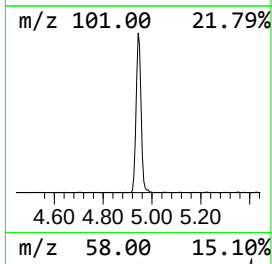
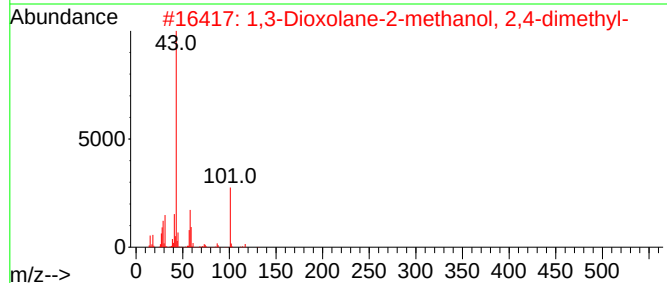
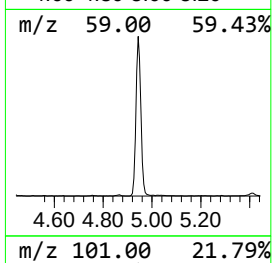
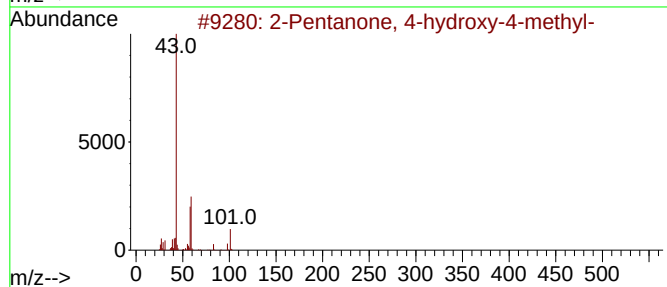
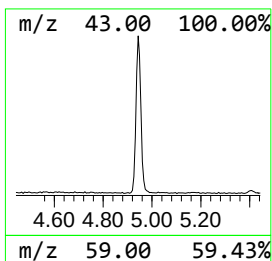
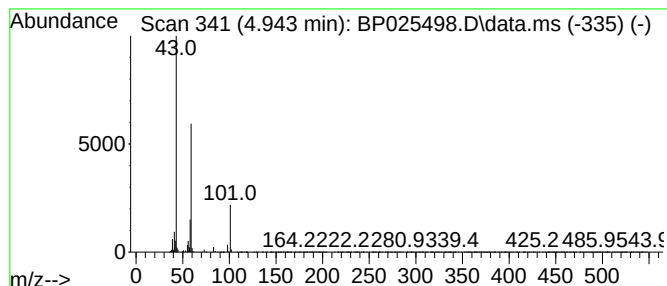
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.943	7.25 ng	288808	1,4-Dichlorobenzene-d4	7.784

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

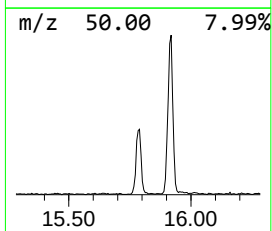
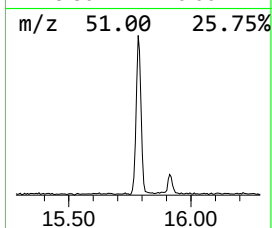
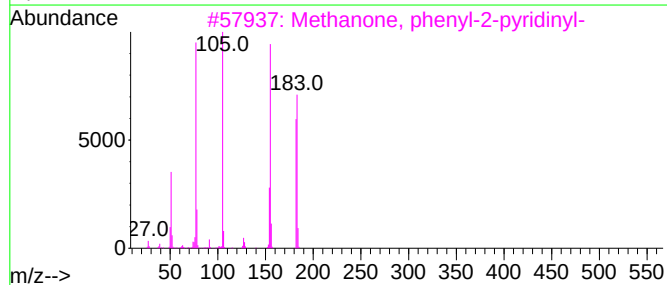
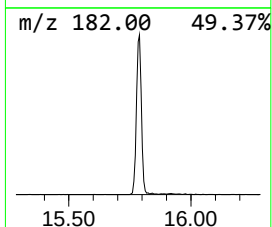
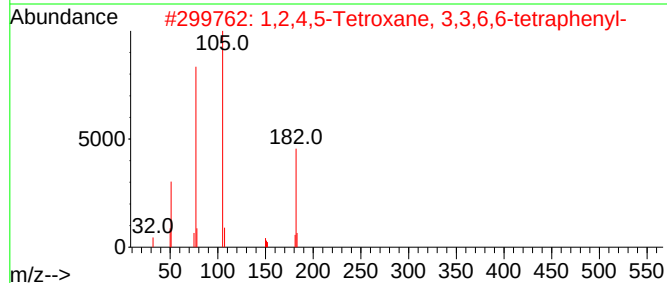
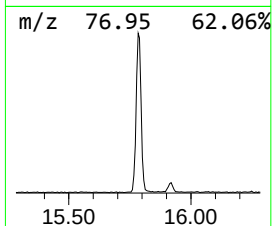
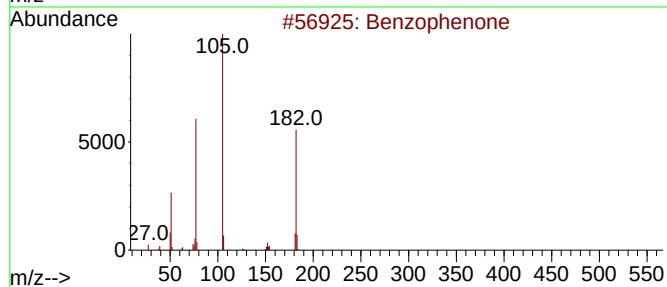
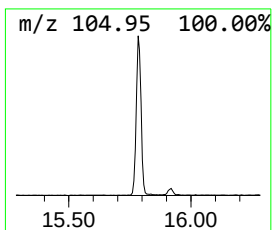
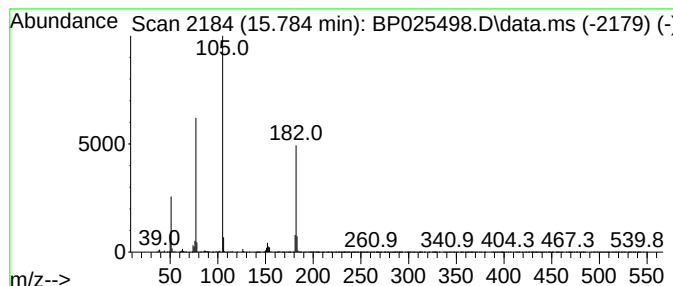
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.784	4.83 ng	368312	Acenaphthene-d10	14.413

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
4			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45
5			Azobenzene, (E)-	182	C12H10N2	017082-12-1	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

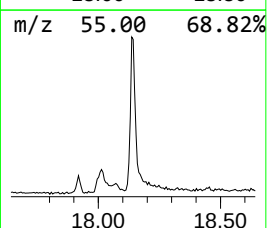
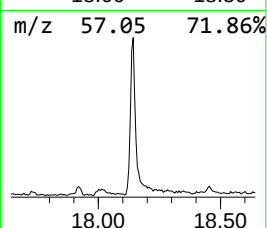
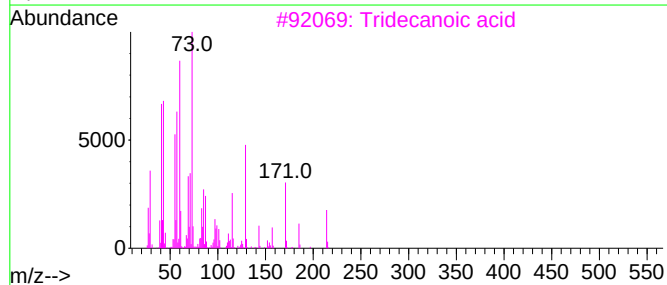
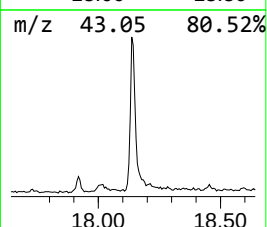
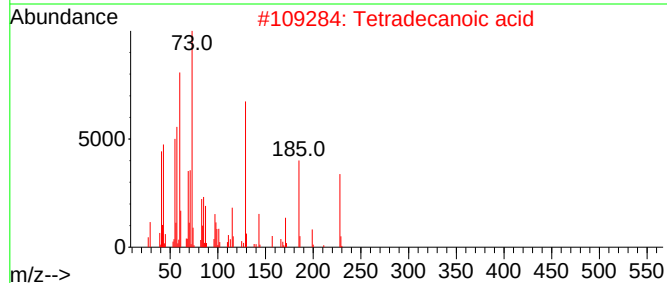
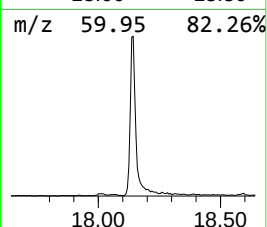
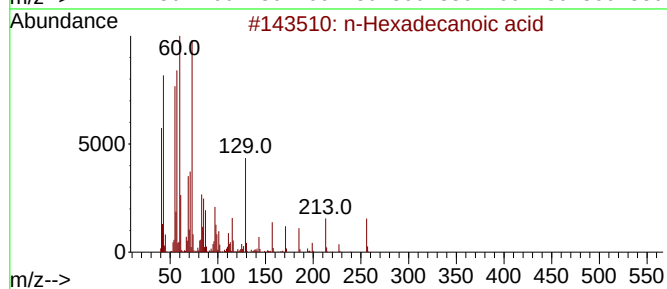
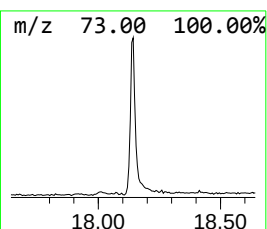
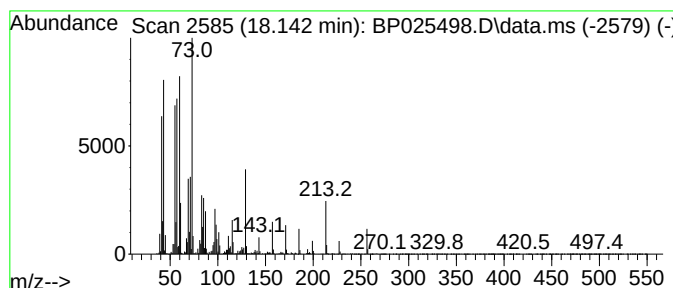
Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.142	8.55 ng	831929	Phenanthrene-d10	17.201	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	94
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

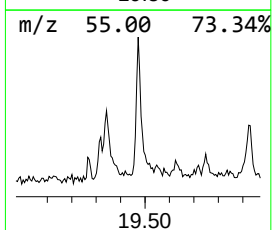
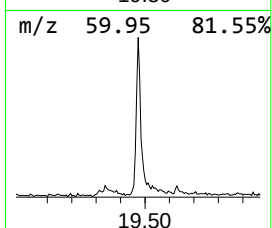
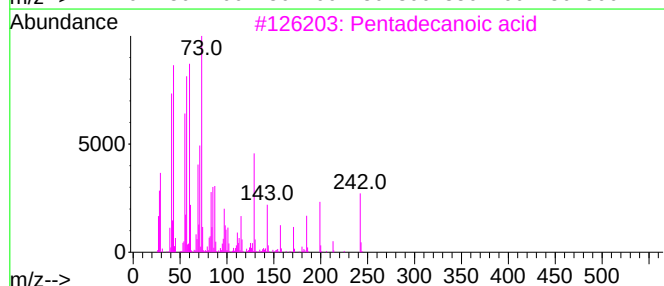
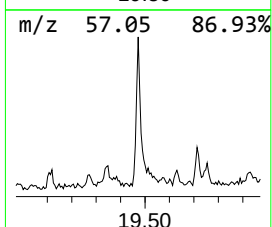
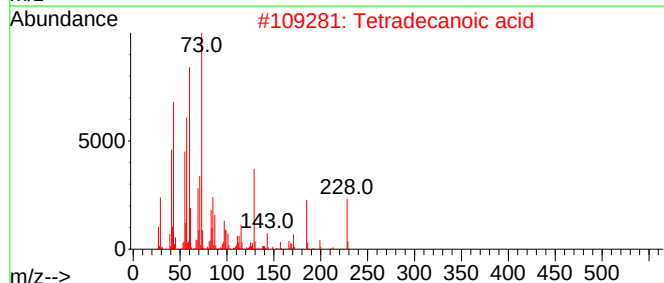
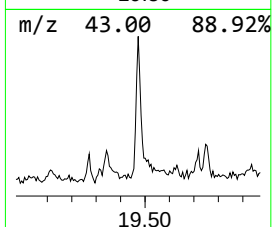
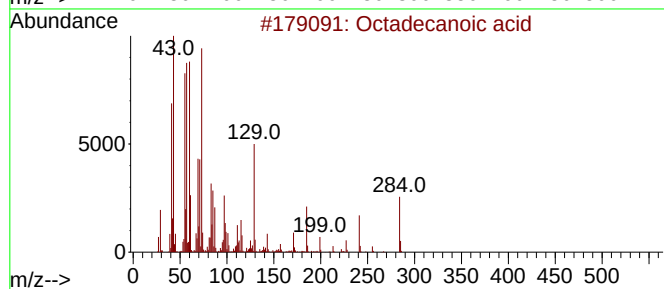
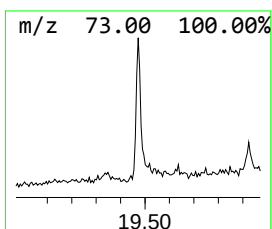
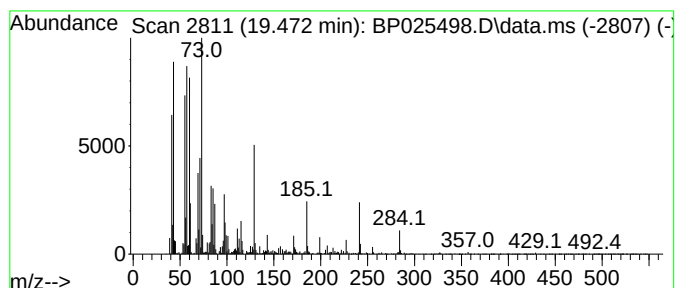
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.472	2.54 ng	321295	Chrysene-d12	21.654

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	74
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	74
4			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5			n-Decanoic acid	172	C10H20O2	000334-48-5	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

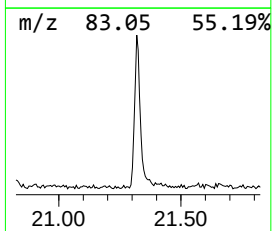
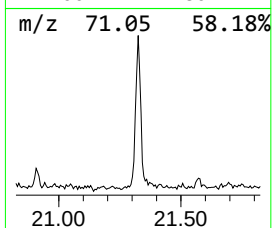
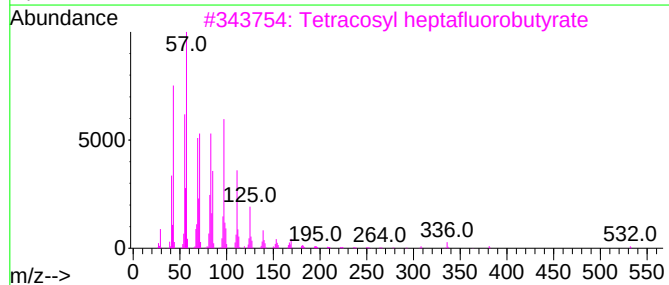
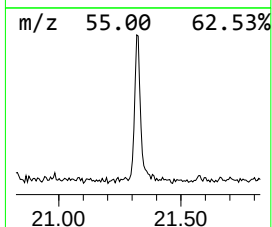
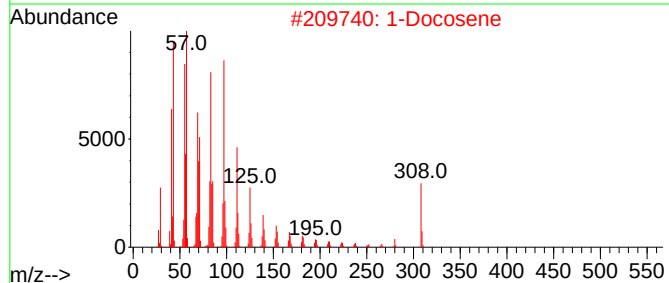
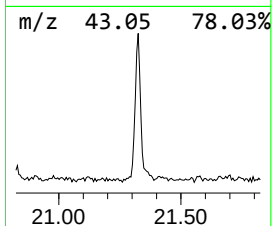
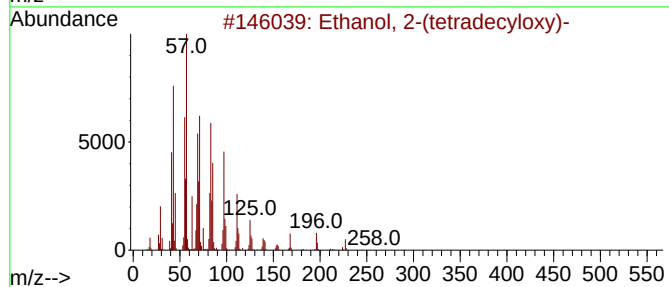
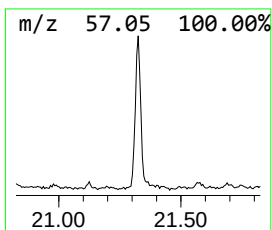
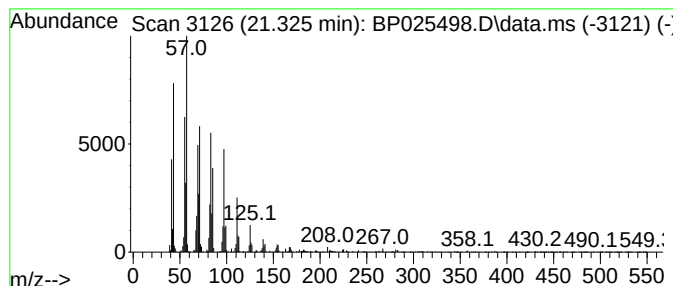
Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Ethanol, 2-(tetradecyloxy)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.325	3.59 ng	453846	Chrysene-d12	21.654	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	99
2	1-Docosene	308	C22H44	001599-67-3	97
3	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	94
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
5	Cyclohexadecane	224	C16H32	000295-65-8	92



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025498.D
Acq On : 20 Aug 2025 07:16
Operator : CG/JU
Sample : Q2815-17
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	59.0	ng	2353280	1	7.784	797220	20.0
2-Pentanone, 4-...	4.943	7.3	ng	288808	1	7.784	797220	20.0
Benzophenone	15.784	4.8	ng	368312	3	14.413	1524740	20.0
n-Hexadecanoic ...	18.142	8.6	ng	831929	4	17.201	1946000	20.0
Octadecanoic acid	19.472	2.5	ng	321295	5	21.654	2529610	20.0
Ethanol, 2-(tet...	21.325	3.6	ng	453846	5	21.654	2529610	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-18	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025474.D	1	08/14/25 09:15	08/19/25 13:29	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.50	U	4.20	8.50	10.6	ug/L
108-95-2	Phenol	4.30	U	0.97	4.30	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.30	U	0.86	4.30	5.30	ug/L
95-57-8	2-Chlorophenol	4.30	U	0.62	4.30	5.30	ug/L
95-48-7	2-Methylphenol	4.30	U	1.20	4.30	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.30	U	1.40	4.30	5.30	ug/L
98-86-2	Acetophenone	4.30	U	0.79	4.30	5.30	ug/L
65794-96-9	3+4-Methylphenols	8.50	U	1.20	8.50	10.6	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.70	U	1.50	2.70	2.70	ug/L
67-72-1	Hexachloroethane	4.30	U	0.69	4.30	5.30	ug/L
98-95-3	Nitrobenzene	4.30	U	0.81	4.30	5.30	ug/L
78-59-1	Isophorone	4.30	U	0.80	4.30	5.30	ug/L
88-75-5	2-Nitrophenol	4.30	U	1.90	4.30	5.30	ug/L
105-67-9	2,4-Dimethylphenol	4.30	U	2.00	4.30	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.30	U	0.72	4.30	5.30	ug/L
120-83-2	2,4-Dichlorophenol	4.30	U	0.55	4.30	5.30	ug/L
91-20-3	Naphthalene	4.30	U	0.53	4.30	5.30	ug/L
106-47-8	4-Chloroaniline	4.30	U	0.89	4.30	5.30	ug/L
87-68-3	Hexachlorobutadiene	4.30	U	0.57	4.30	5.30	ug/L
105-60-2	Caprolactam	8.50	U	1.20	8.50	10.6	ug/L
59-50-7	4-Chloro-3-methylphenol	4.30	U	0.63	4.30	5.30	ug/L
91-57-6	2-Methylnaphthalene	4.30	U	0.60	4.30	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	8.50	U	3.90	8.50	10.6	ug/L
88-06-2	2,4,6-Trichlorophenol	4.30	U	0.54	4.30	5.30	ug/L
95-95-4	2,4,5-Trichlorophenol	4.30	U	0.66	4.30	5.30	ug/L
92-52-4	1,1-Biphenyl	4.30	U	0.56	4.30	5.30	ug/L
91-58-7	2-Chloronaphthalene	4.30	U	0.65	4.30	5.30	ug/L
88-74-4	2-Nitroaniline	4.30	U	1.30	4.30	5.30	ug/L
131-11-3	Dimethylphthalate	4.30	U	0.65	4.30	5.30	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-18	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025474.D	1	08/14/25 09:15	08/19/25 13:29	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.30	U	0.80	4.30	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	4.30	U	0.98	4.30	5.30	ug/L
99-09-2	3-Nitroaniline	4.30	U	1.10	4.30	5.30	ug/L
83-32-9	Acenaphthene	4.30	U	0.59	4.30	5.30	ug/L
51-28-5	2,4-Dinitrophenol	8.50	U	6.40	8.50	10.6	ug/L
100-02-7	4-Nitrophenol	8.50	U	2.50	8.50	10.6	ug/L
132-64-9	Dibenzofuran	4.30	U	0.65	4.30	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	4.30	U	1.30	4.30	5.30	ug/L
84-66-2	Diethylphthalate	4.30	U	0.73	4.30	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.30	U	0.72	4.30	5.30	ug/L
86-73-7	Fluorene	4.30	U	0.67	4.30	5.30	ug/L
100-01-6	4-Nitroaniline	4.30	U	1.60	4.30	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.50	U	3.10	8.50	10.6	ug/L
86-30-6	n-Nitrosodiphenylamine	4.30	U	0.62	4.30	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	4.30	U	0.43	4.30	5.30	ug/L
118-74-1	Hexachlorobenzene	4.30	U	0.55	4.30	5.30	ug/L
1912-24-9	Atrazine	4.30	U	1.10	4.30	5.30	ug/L
87-86-5	Pentachlorophenol	8.50	U	1.70	8.50	10.6	ug/L
85-01-8	Phenanthrene	4.30	U	0.53	4.30	5.30	ug/L
120-12-7	Anthracene	4.30	U	0.65	4.30	5.30	ug/L
86-74-8	Carbazole	4.30	U	0.77	4.30	5.30	ug/L
84-74-2	Di-n-butylphthalate	4.30	U	1.30	4.30	5.30	ug/L
206-44-0	Fluoranthene	4.30	U	0.87	4.30	5.30	ug/L
129-00-0	Pyrene	4.30	U	0.53	4.30	5.30	ug/L
85-68-7	Butylbenzylphthalate	4.30	U	2.10	4.30	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	8.50	U	0.99	8.50	10.6	ug/L
56-55-3	Benzo(a)anthracene	4.30	U	0.48	4.30	5.30	ug/L
218-01-9	Chrysene	4.30	U	0.47	4.30	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.30	U	1.70	4.30	5.30	ug/L
117-84-0	Di-n-octyl phthalate	8.50	U	2.50	8.50	10.6	ug/L
205-99-2	Benzo(b)fluoranthene	4.30	U	0.52	4.30	5.30	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-18	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025474.D	1	08/14/25 09:15	08/19/25 13:29	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.30	U	0.51	4.30	5.30	ug/L
50-32-8	Benzo(a)pyrene	4.30	U	0.59	4.30	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.30	U	0.63	4.30	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.30	U	0.71	4.30	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	4.30	U	0.73	4.30	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.30	U	0.55	4.30	5.30	ug/L
123-91-1	1,4-Dioxane	4.30	U	1.10	4.30	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.30	U	0.77	4.30	5.30	ug/L

SURROGATES

367-12-4	2-Fluorophenol	101		19 - 119	68%	SPK: 150
13127-88-3	Phenol-d6	75.3		10 - 130	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		44 - 120	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.7		44 - 119	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	176		43 - 140	117%	SPK: 150
1718-51-0	Terphenyl-d14	87.7		50 - 134	88%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	140000	7.79
1146-65-2	Naphthalene-d8	557000	10.554
15067-26-2	Acenaphthene-d10	388000	14.401
1517-22-2	Phenanthrene-d10	881000	17.195
1719-03-5	Chrysene-d12	1060000	21.642
1520-96-3	Perylene-d12	1150000	25.018

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	120	J	3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.30	AB	4.94	ug/L
000119-61-9	Benzophenone	5.80	J	15.8	ug/L
000057-10-3	n-Hexadecanoic acid	8.70	J	18.1	ug/L
018435-45-5	1-Nonadecene	3.20	J	21.3	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-18	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025474.D	1	08/14/25 09:15	08/19/25 13:29	PB169244

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025474.D
Acq On : 19 Aug 2025 13:29
Operator : CG/JU
Sample : Q2815-18
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

Quant Time: Aug 19 14:01:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	139862	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	556768	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	388092	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	881253	20.000	ng	0.00
76) Chrysene-d12	21.642	240	1055398	20.000	ng	0.00
86) Perylene-d12	25.018	264	1148869	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	853069	101.292	ng	0.00
7) Phenol-d6	6.966	99	812836	75.280	ng	0.00
23) Nitrobenzene-d5	8.925	82	1108615	100.724	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	918315	175.796	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2575342	90.692	ng	0.00
79) Terphenyl-d14	19.924	244	5058581	87.692	ng	0.00

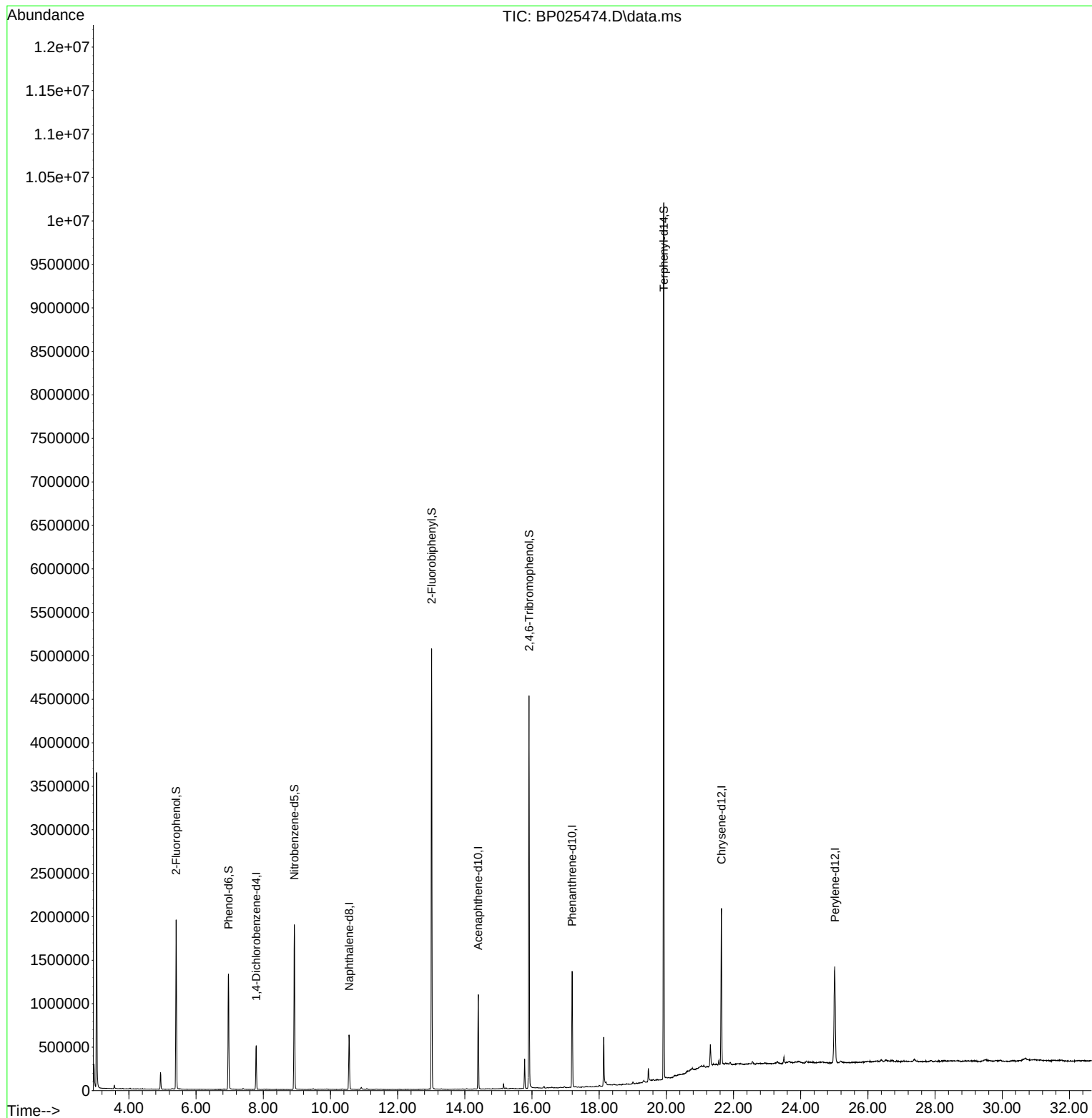
Target Compounds	Qvalue

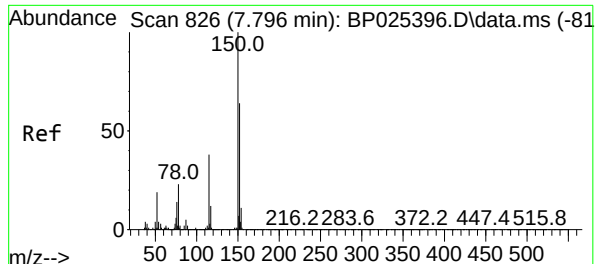
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025474.D
Acq On : 19 Aug 2025 13:29
Operator : CG/JU
Sample : Q2815-18
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

Quant Time: Aug 19 14:01:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

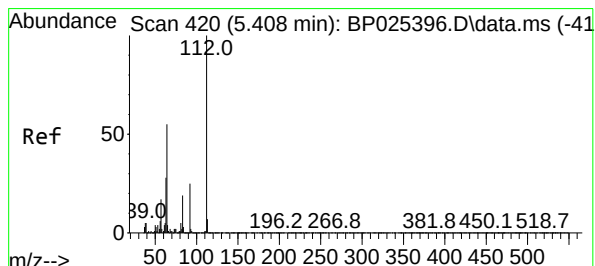
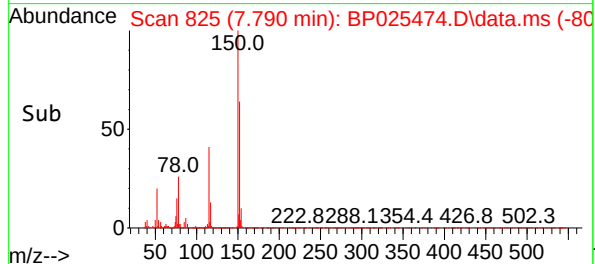
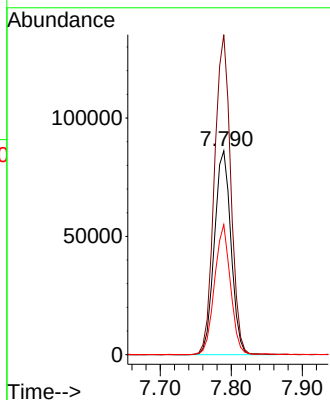
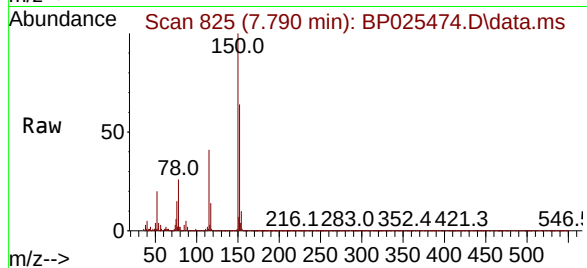




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025474.D
Acq: 19 Aug 2025 13:29

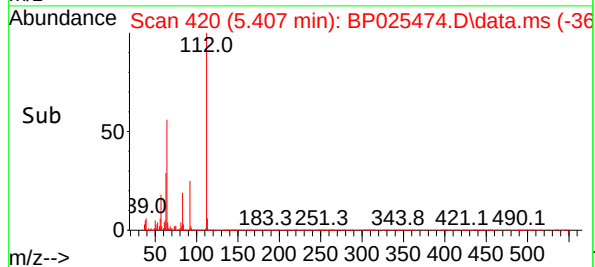
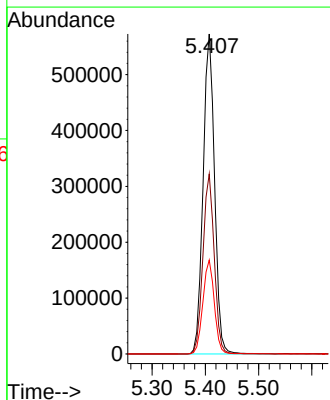
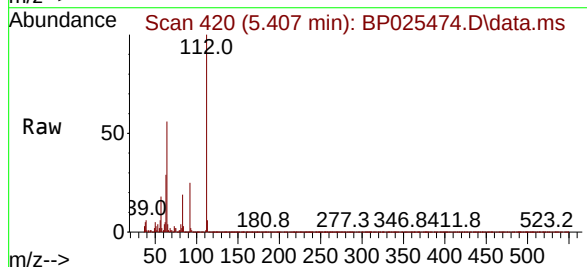
Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

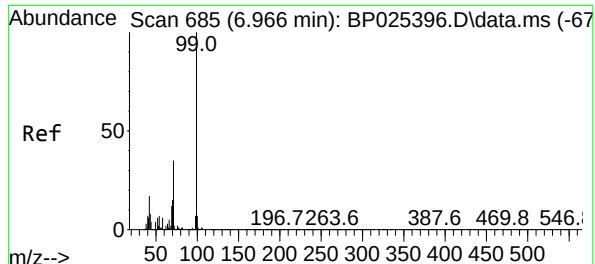
Tgt Ion:152 Resp: 139862
Ion Ratio Lower Upper
152 100
150 156.9 125.9 188.9
115 63.8 48.5 72.7



#5
2-Fluorophenol
Concen: 101.292 ng
RT: 5.407 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025474.D
Acq: 19 Aug 2025 13:29

Tgt Ion:112 Resp: 853069
Ion Ratio Lower Upper
112 100
64 56.2 43.8 65.8
63 29.4 22.7 34.1

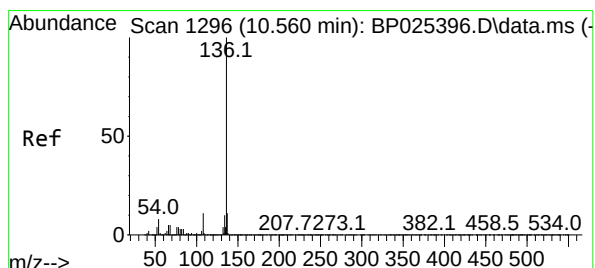
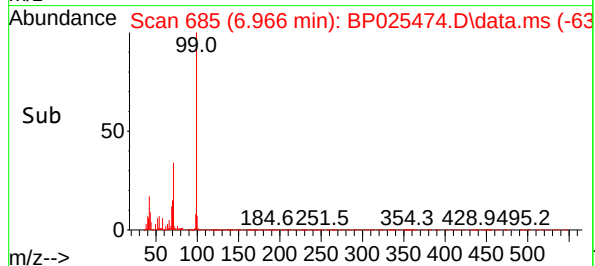
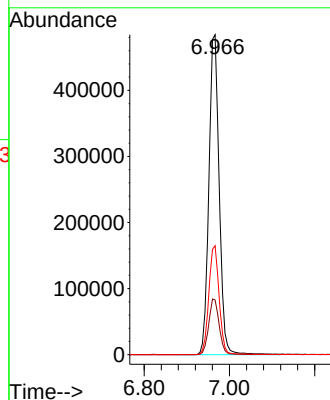
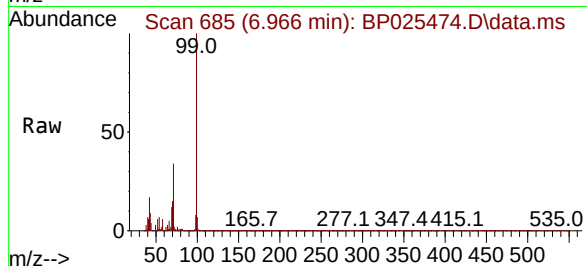




#7
Phenol-d6
Concen: 75.280 ng
RT: 6.966 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025474.D
Acq: 19 Aug 2025 13:29

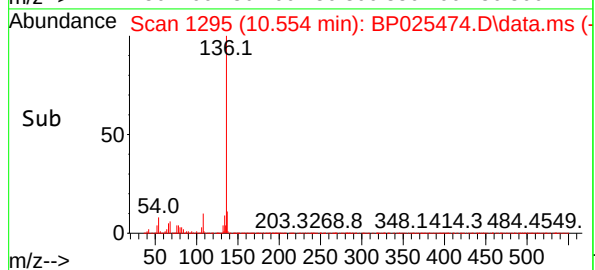
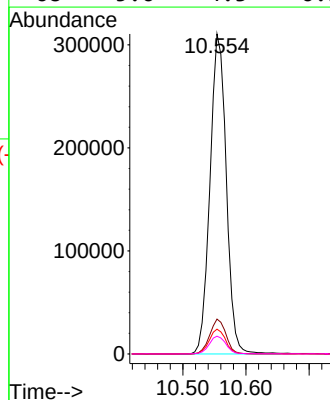
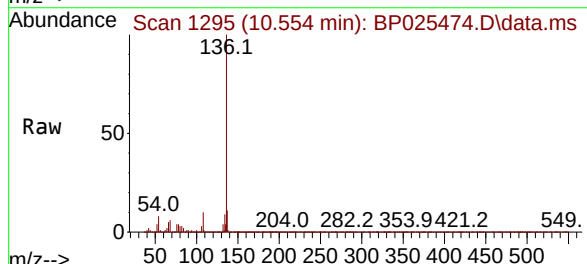
Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

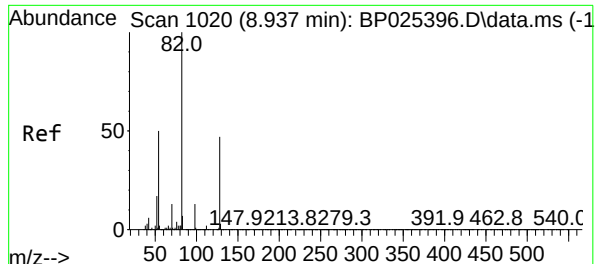
Tgt Ion: 99 Resp: 812836
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 34.0 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025474.D
Acq: 19 Aug 2025 13:29

Tgt Ion: 136 Resp: 556768
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.8 6.0 9.0
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 100.724 ng

RT: 8.925 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP025474.D

Acq: 19 Aug 2025 13:29

Instrument :

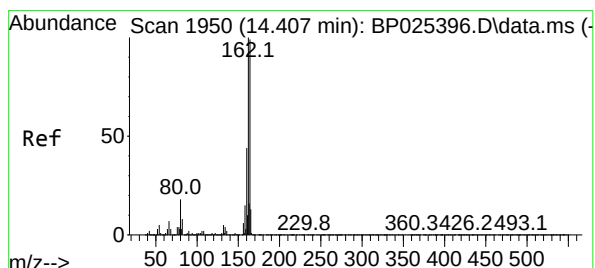
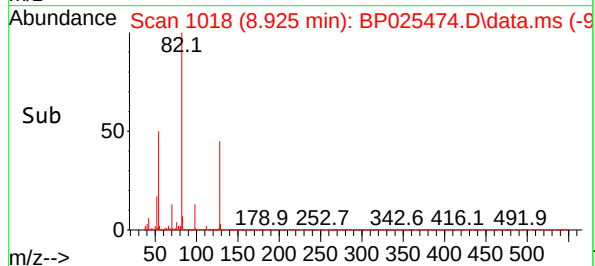
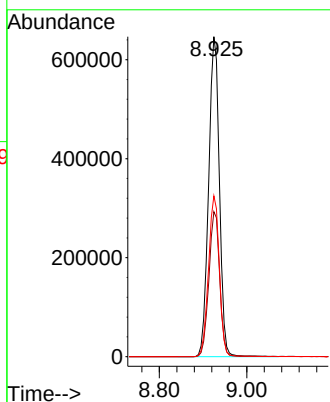
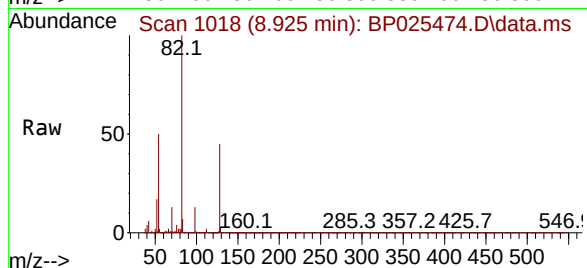
BNA_P

ClientSampleId :

TW-84SB-W

Tgt Ion: 82 Resp: 1108615

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.7	56.5
54	50.3	39.8	59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1949

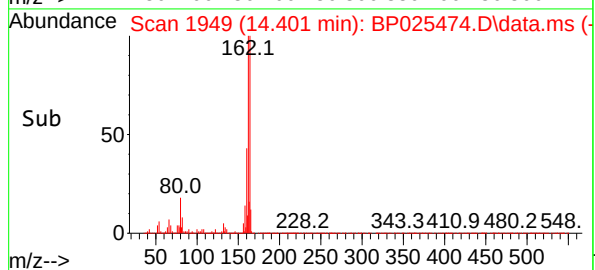
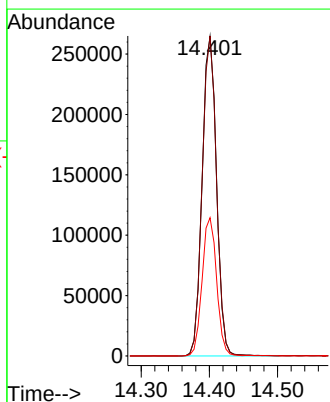
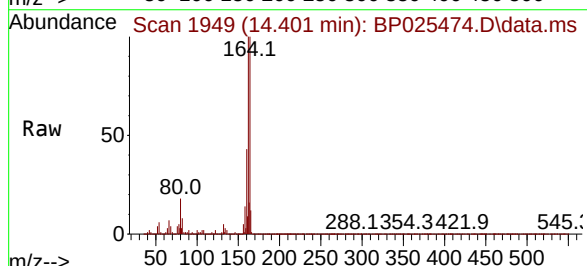
Delta R.T. -0.006 min

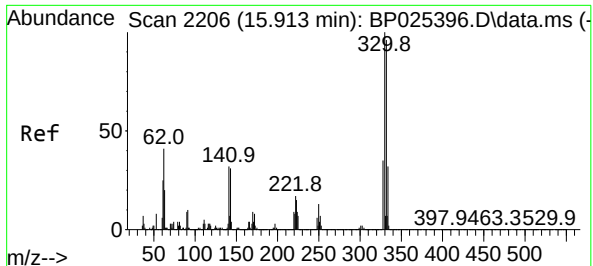
Lab File: BP025474.D

Acq: 19 Aug 2025 13:29

Tgt Ion:164 Resp: 388092

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.6
160	43.3	35.4	53.2

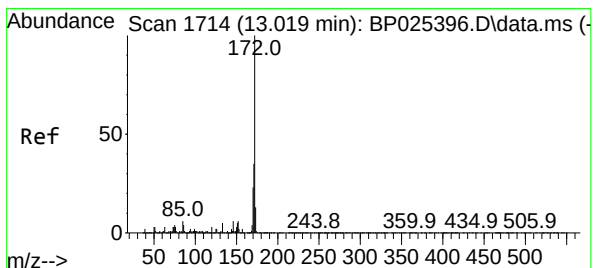
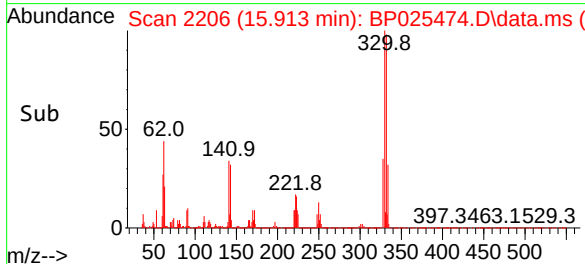
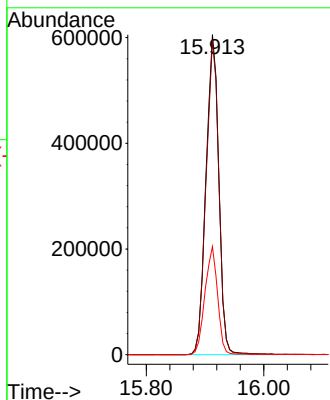
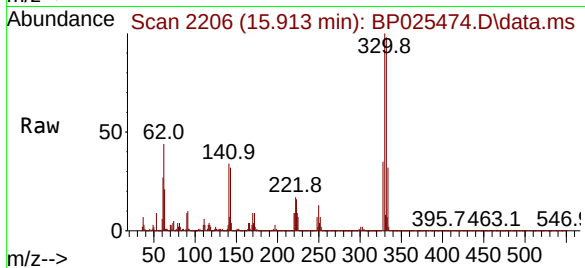




#42
2,4,6-Tribromophenol
Concen: 175.796 ng
RT: 15.913 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025474.D
Acq: 19 Aug 2025 13:29

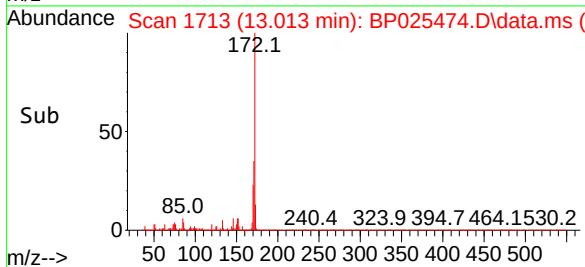
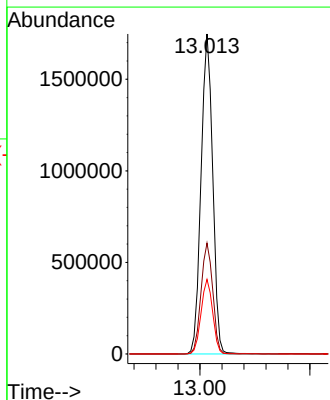
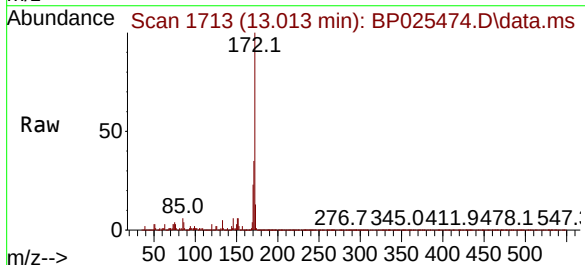
Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

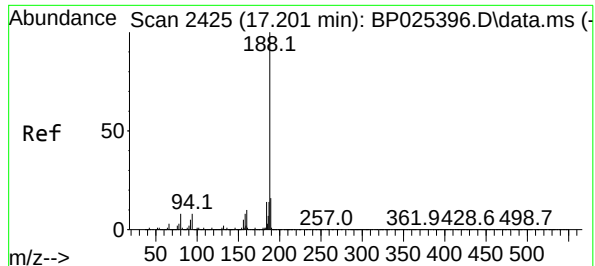
Tgt Ion	330	Resp:	918315
Ion Ratio	Lower	Upper	
330	100		
332	97.9	77.3	115.9
141	33.4	26.6	39.8



#45
2-Fluorobiphenyl
Concen: 90.692 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025474.D
Acq: 19 Aug 2025 13:29

Tgt Ion	172	Resp:	2575342
Ion Ratio	Lower	Upper	
172	100		
171	34.7	28.1	42.1
170	23.3	18.6	28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP025474.D

Acq: 19 Aug 2025 13:29

Instrument :

BNA_P

ClientSampleId :

TW-84SB-W

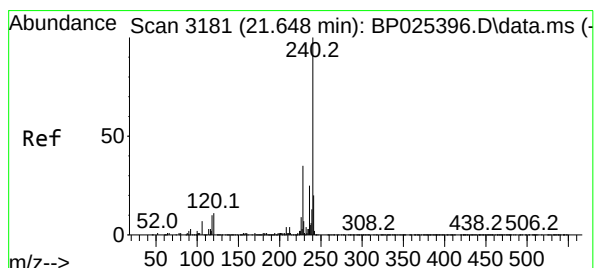
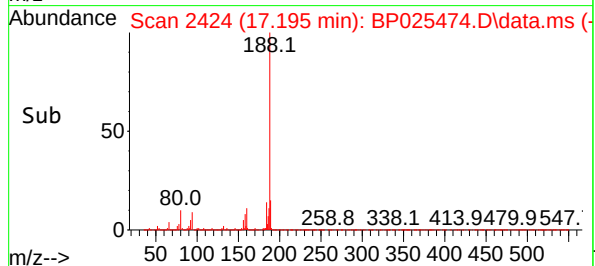
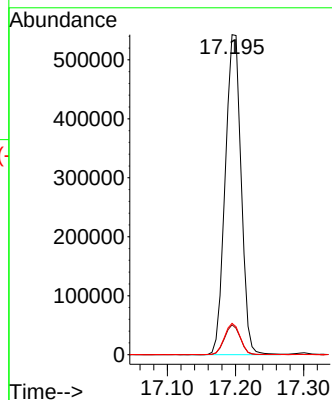
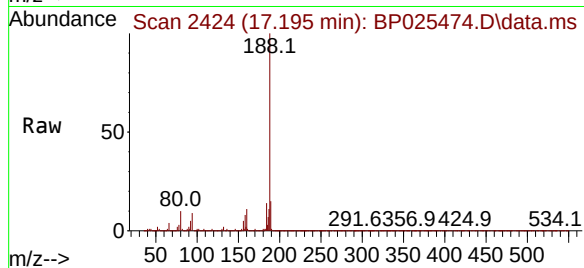
Tgt Ion:188 Resp: 881253

Ion Ratio Lower Upper

188 100

94 9.3 6.6 10.0

80 9.8 6.7 10.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BP025474.D

Acq: 19 Aug 2025 13:29

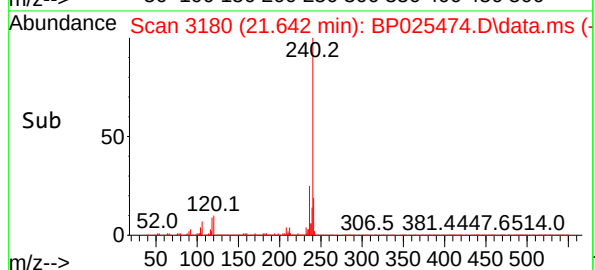
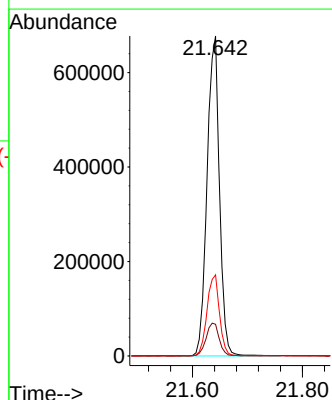
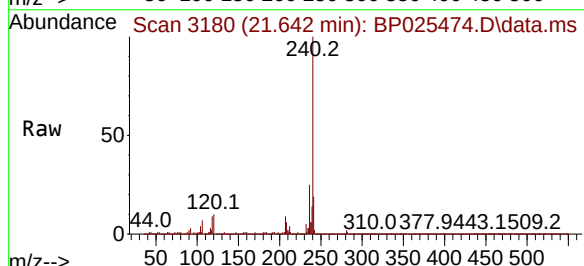
Tgt Ion:240 Resp: 1055398

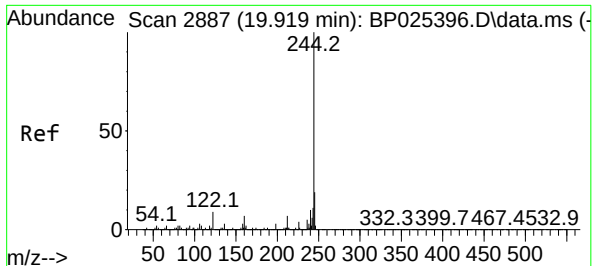
Ion Ratio Lower Upper

240 100

120 9.9 8.9 13.3

236 25.4 19.8 29.8

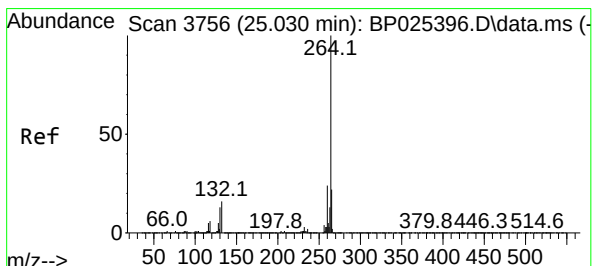
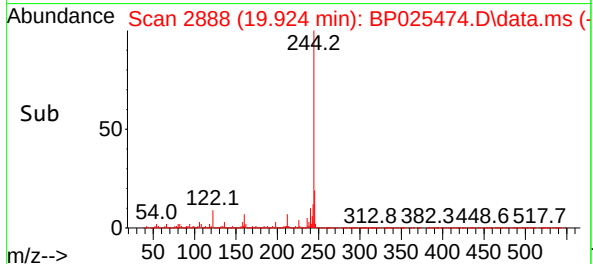
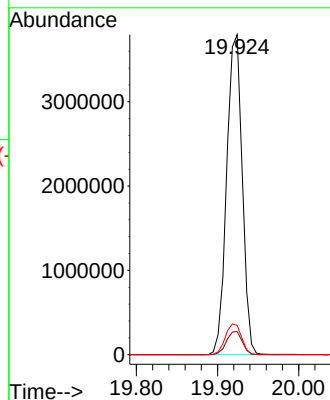
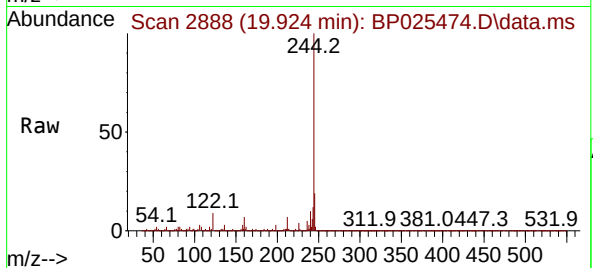




#79
Terphenyl-d14
Concen: 87.692 ng
RT: 19.924 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025474.D
Acq: 19 Aug 2025 13:29

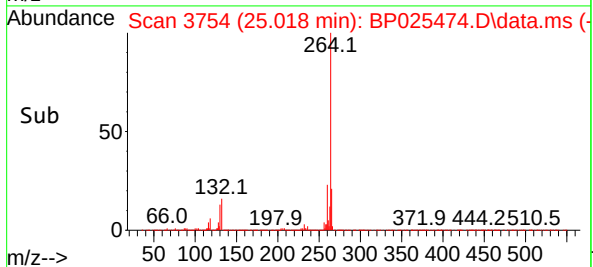
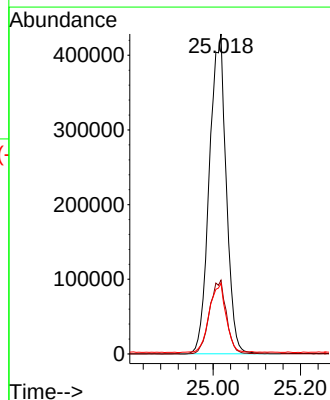
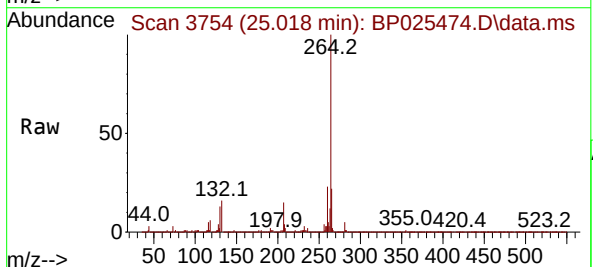
Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

Tgt Ion:244 Resp: 5058581
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 9.2 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025474.D
Acq: 19 Aug 2025 13:29

Tgt Ion:264 Resp: 1148869
Ion Ratio Lower Upper
264 100
260 23.1 19.3 28.9
265 22.1 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025474.D
Acq On : 19 Aug 2025 13:29
Operator : CG/JU
Sample : Q2815-18
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025474.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	12	17	32	rVB	3627401	4355042	31.81%	7.980%
2	4.943	335	341	347	rBV2	191938	277428	2.03%	0.508%
3	5.407	413	420	432	rBV	1945652	2886673	21.08%	5.289%
4	6.966	677	685	701	rBV	1326569	2265578	16.55%	4.151%
5	7.790	818	825	832	rBV	504440	804699	5.88%	1.475%
6	8.925	1009	1018	1029	rBV	1894638	3251594	23.75%	5.958%
7	10.554	1286	1295	1304	rBV	628886	1131403	8.26%	2.073%
8	13.013	1705	1713	1728	rBV	5066427	7434933	54.30%	13.624%
9	14.401	1941	1949	1956	rBV	1087215	1623359	11.86%	2.975%
10	15.783	2178	2184	2191	rBV	338551	442713	3.23%	0.811%
11	15.913	2198	2206	2225	rBV	4515683	6872896	50.20%	12.594%
12	17.195	2418	2424	2433	rBV2	1335823	2179547	15.92%	3.994%
13	18.136	2578	2584	2592	rBV	564754	889622	6.50%	1.630%
14	19.465	2806	2810	2818	rBV2	149496	241479	1.76%	0.442%
15	19.924	2881	2888	2893	rBV	10080071	13692045	100.00%	25.089%
16	21.312	3119	3124	3132	rBV2	244424	428564	3.13%	0.785%
17	21.642	3173	3180	3186	rBV	1796728	2818762	20.59%	5.165%
18	25.018	3744	3754	3765	rVB2	1100806	2977763	21.75%	5.456%

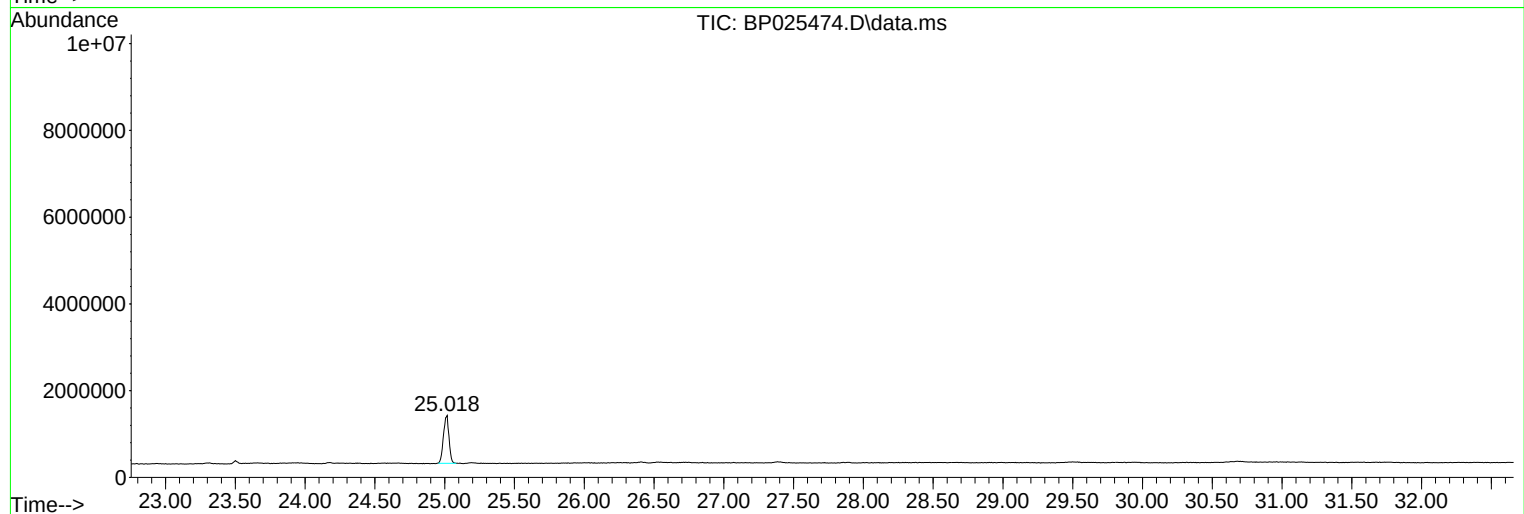
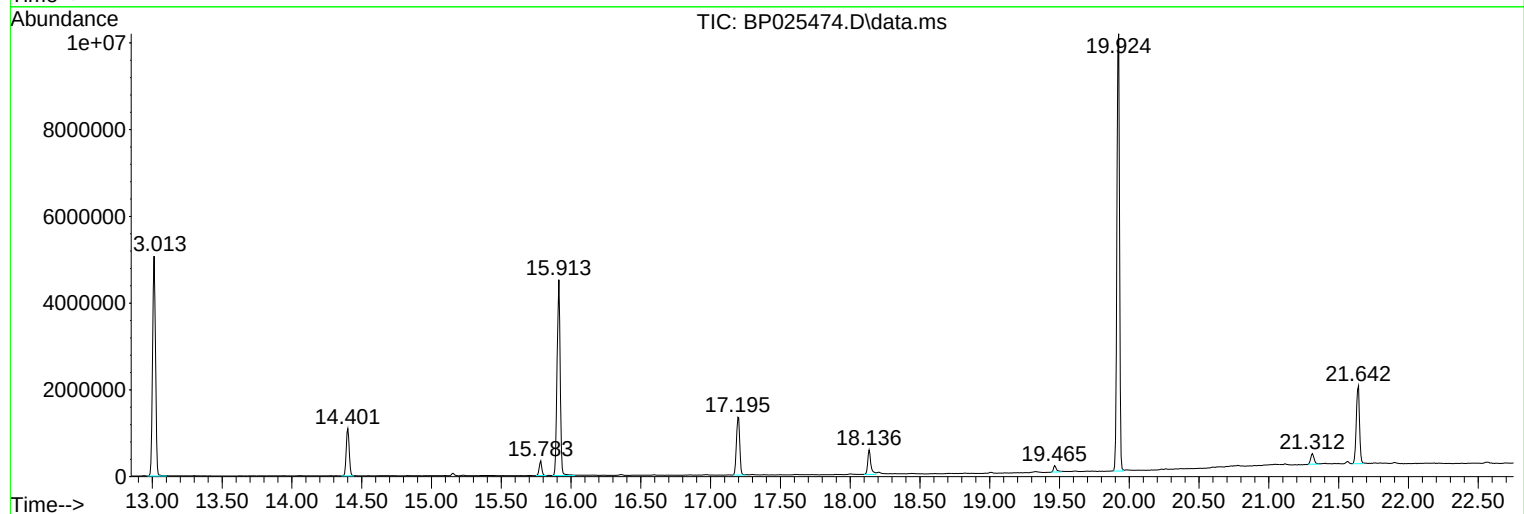
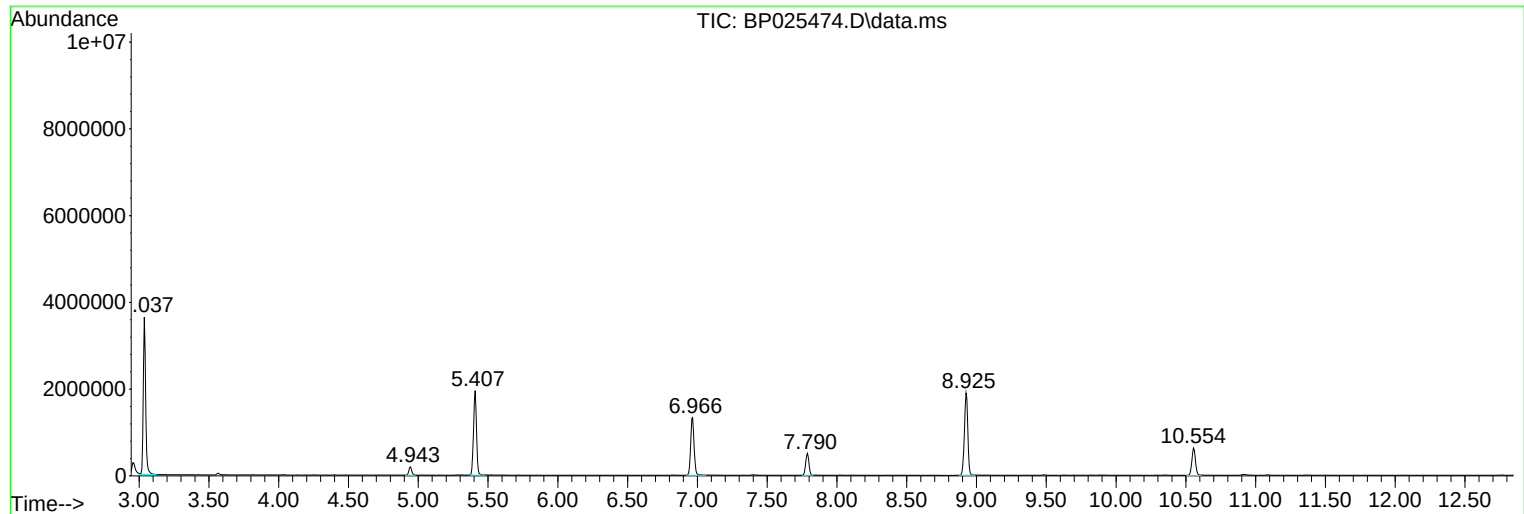
Sum of corrected areas: 54574100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025474.D
Acq On : 19 Aug 2025 13:29
Operator : CG/JU
Sample : Q2815-18
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025474.D
Acq On : 19 Aug 2025 13:29
Operator : CG/JU
Sample : Q2815-18
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

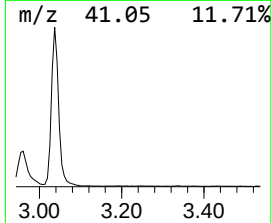
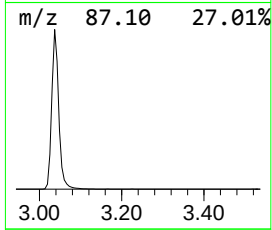
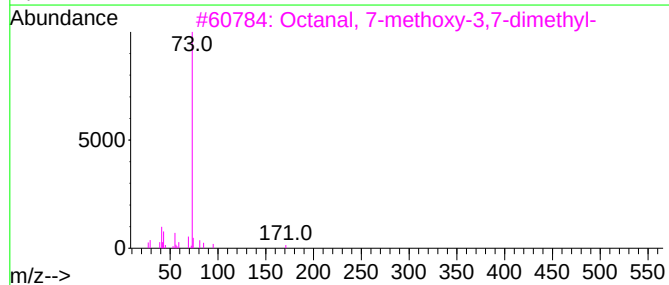
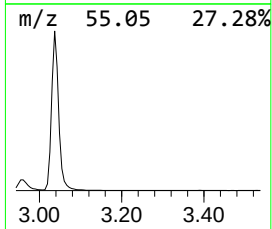
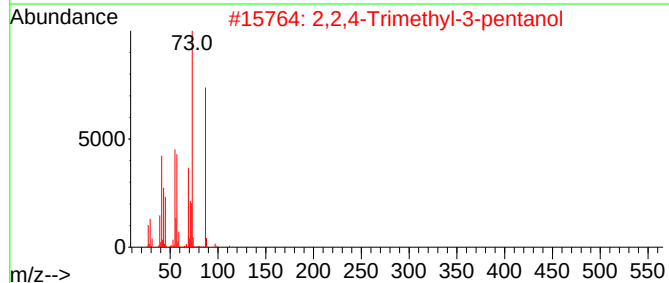
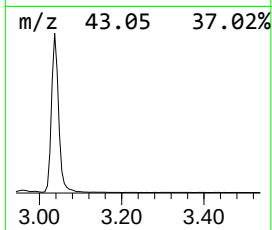
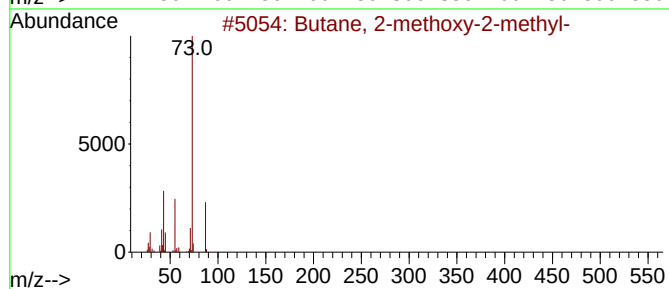
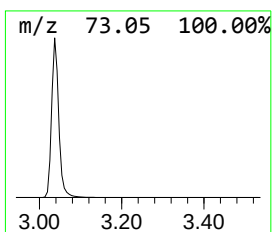
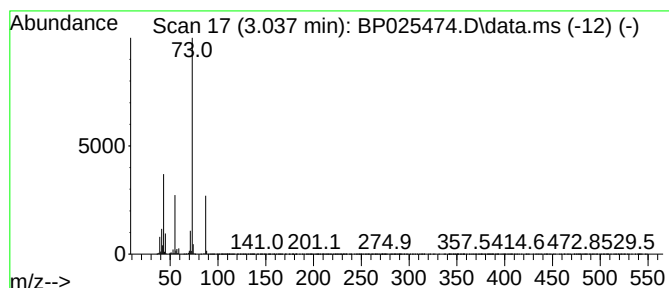
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	108.24 ng	4355040	1,4-Dichlorobenzene-d4	7.790

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025474.D
Acq On : 19 Aug 2025 13:29
Operator : CG/JU
Sample : Q2815-18
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

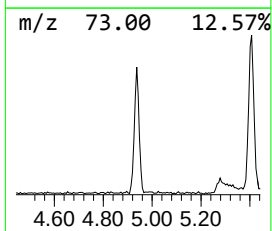
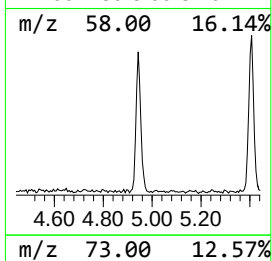
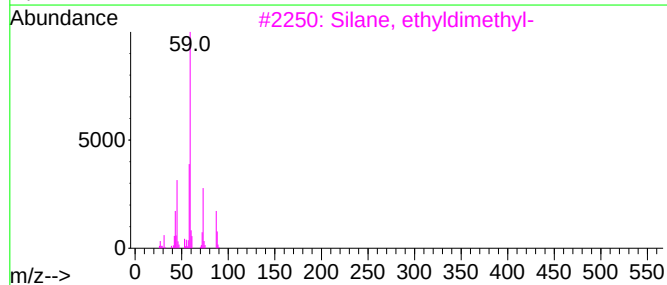
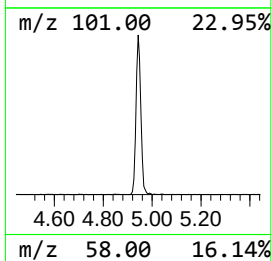
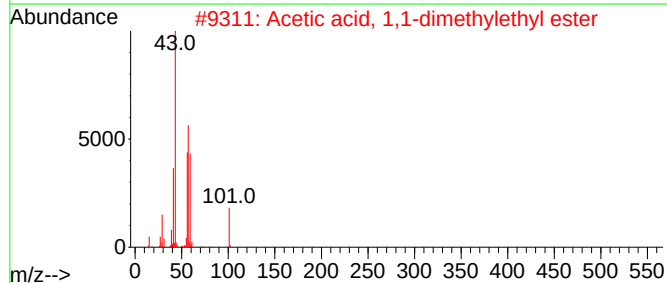
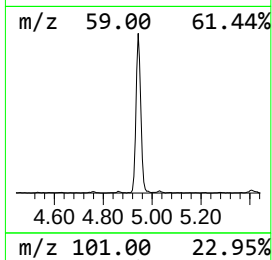
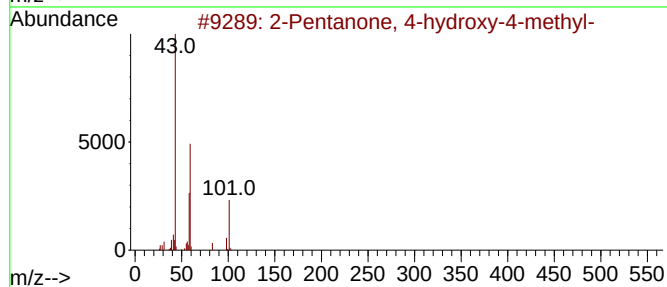
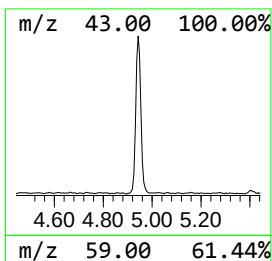
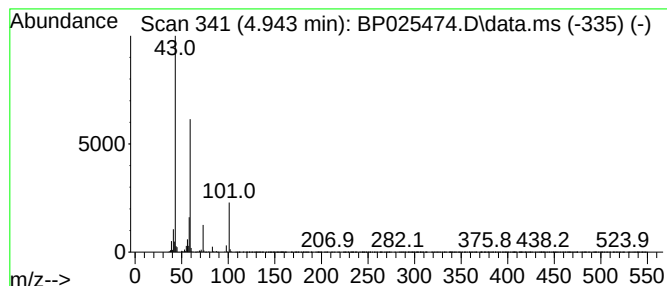
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.943	6.90 ng	277428	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			Silane, ethyldimethyl-	88	C4H12Si	000758-21-4	23
4			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	23
5			3-Pentanol	88	C5H12O	000584-02-1	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025474.D
Acq On : 19 Aug 2025 13:29
Operator : CG/JU
Sample : Q2815-18
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

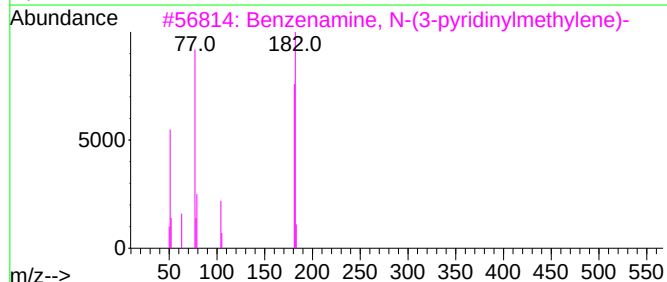
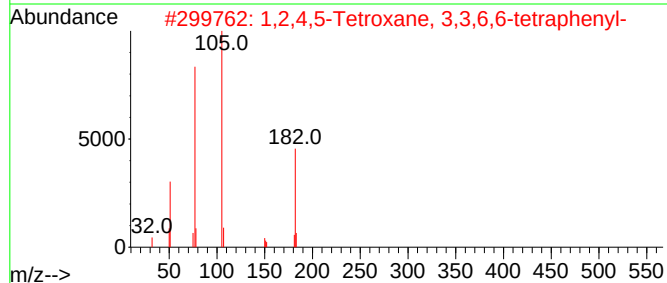
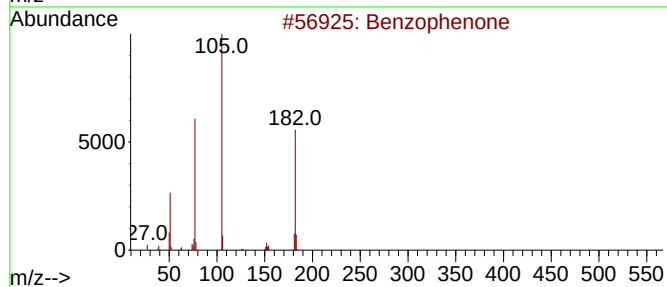
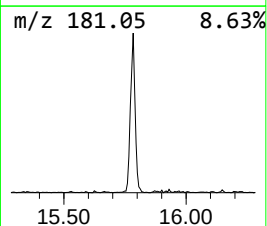
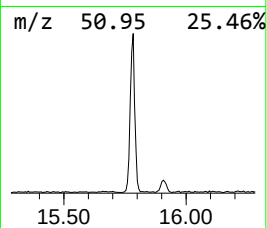
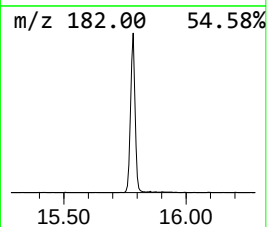
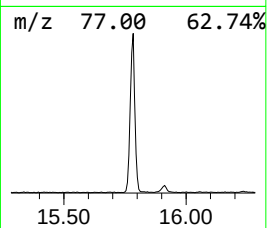
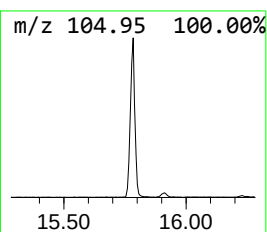
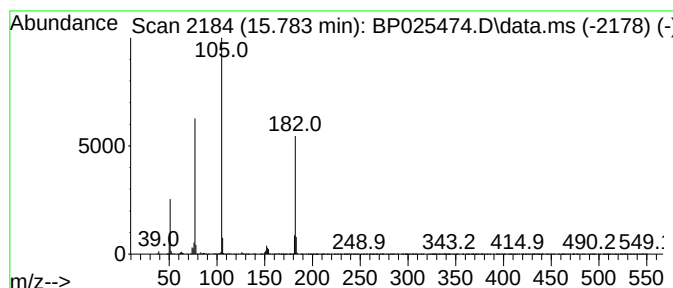
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.783	5.45 ng	442713	Acenaphthene-d10	14.401

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	53
4			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
5			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025474.D
Acq On : 19 Aug 2025 13:29
Operator : CG/JU
Sample : Q2815-18
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

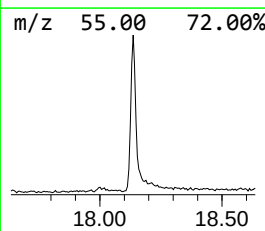
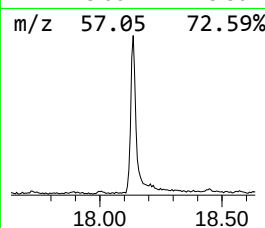
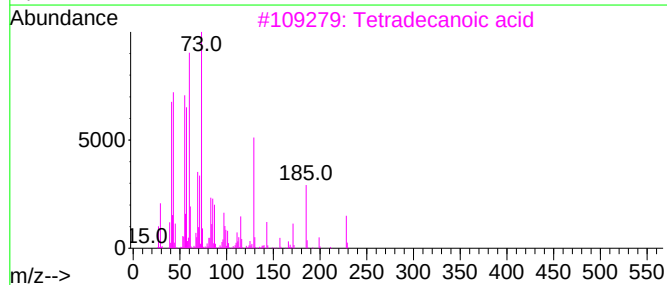
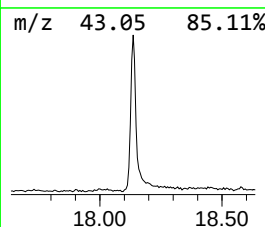
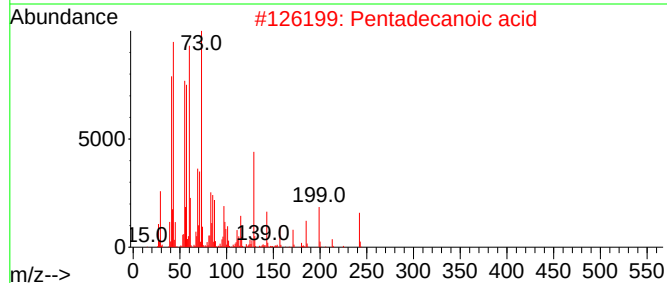
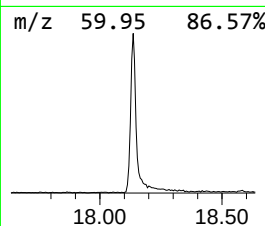
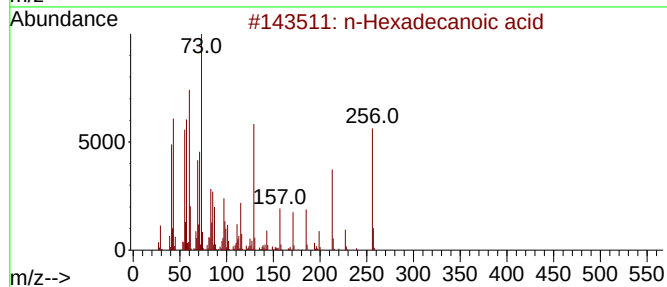
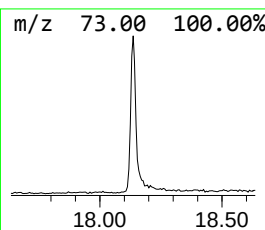
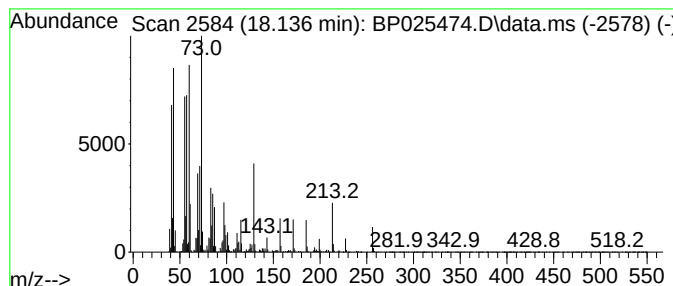
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.136	8.16 ng	889622	Phenanthrene-d10	17.195

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4			Tridecanoic acid	214	C13H26O2	000638-53-9	90
5			Undecanoic acid	186	C11H22O2	000112-37-8	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025474.D
Acq On : 19 Aug 2025 13:29
Operator : CG/JU
Sample : Q2815-18
Misc :
ALS Vial : 6 Sample Multiplier: 1

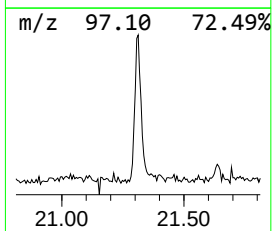
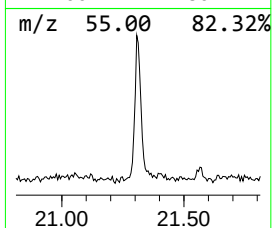
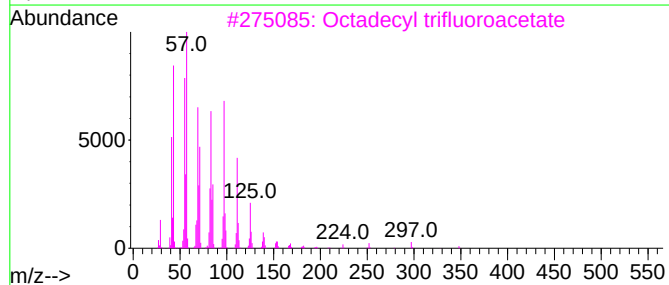
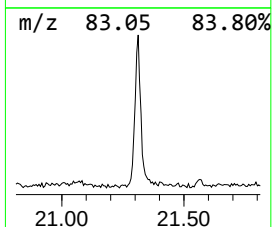
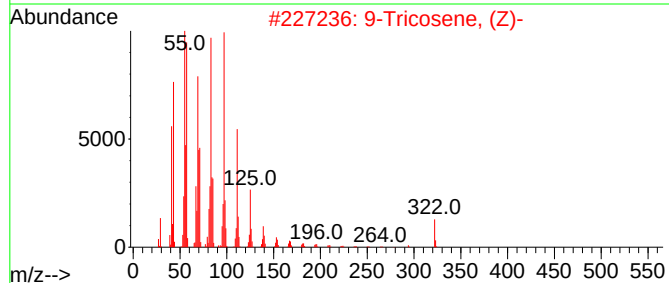
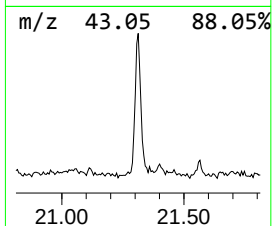
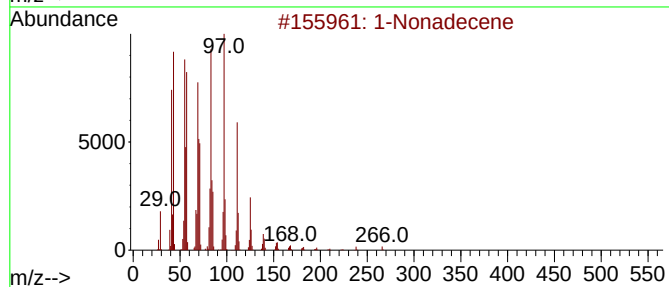
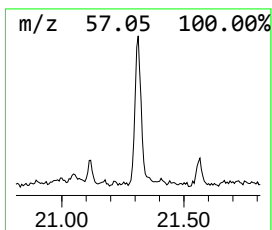
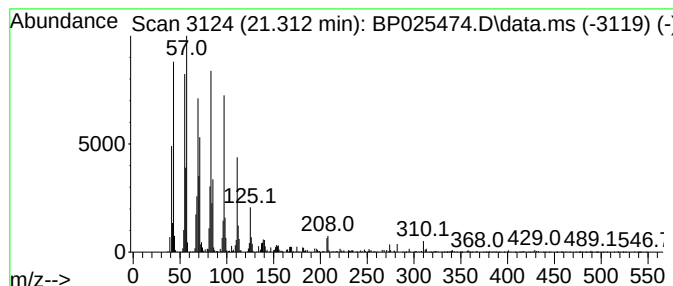
Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Nonadecene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
21.312	3.04 ng	428564	Chrysene-d12		21.642	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Nonadecene		266	C19H38	018435-45-5	98
2	9-Tricosene, (Z)-		322	C23H46	027519-02-4	95
3	Octadecyl trifluoroacetate		366	C20H37F3O2	079392-43-1	94
4	Heptadecyl heptafluorobutyrate		452	C21H35F7O2	959085-66-6	94
5	Trifluoroacetoxy hexadecane		338	C18H33F3O2	006222-03-3	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025474.D
Acq On : 19 Aug 2025 13:29
Operator : CG/JU
Sample : Q2815-18
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-84SB-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	108.2	ng	4355040	1	7.790	804699	20.0
2-Pentanone, 4-...	4.943	6.9	ng	277428	1	7.790	804699	20.0
Benzophenone	15.783	5.5	ng	442713	3	14.401	1623360	20.0
n-Hexadecanoic ...	18.136	8.2	ng	889622	4	17.195	2179550	20.0
1-Nonadecene	21.312	3.0	ng	428564	5	21.642	2818760	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	DUP	SDG No.:	Q2815
Lab Sample ID:	Q2815-19	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025475.D	1	08/14/25 09:15	08/19/25 14:10	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.20	U	4.00	8.20	10.2	ug/L
108-95-2	Phenol	4.10	U	0.93	4.10	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.10	U	0.83	4.10	5.10	ug/L
95-57-8	2-Chlorophenol	4.10	U	0.59	4.10	5.10	ug/L
95-48-7	2-Methylphenol	4.10	U	1.10	4.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.10	U	1.30	4.10	5.10	ug/L
98-86-2	Acetophenone	4.10	U	0.76	4.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.20	U	1.10	8.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.60	U	1.40	2.60	2.60	ug/L
67-72-1	Hexachloroethane	4.10	U	0.66	4.10	5.10	ug/L
98-95-3	Nitrobenzene	4.10	U	0.78	4.10	5.10	ug/L
78-59-1	Isophorone	4.10	U	0.77	4.10	5.10	ug/L
88-75-5	2-Nitrophenol	4.10	U	1.80	4.10	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.10	U	1.90	4.10	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.10	U	0.69	4.10	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.10	U	0.53	4.10	5.10	ug/L
91-20-3	Naphthalene	4.10	U	0.51	4.10	5.10	ug/L
106-47-8	4-Chloroaniline	4.10	U	0.86	4.10	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.10	U	0.55	4.10	5.10	ug/L
105-60-2	Caprolactam	8.20	U	1.20	8.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	4.10	U	0.60	4.10	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.10	U	0.57	4.10	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.20	U	3.70	8.20	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	4.10	U	0.52	4.10	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.10	U	0.63	4.10	5.10	ug/L
92-52-4	1,1-Biphenyl	4.10	U	0.54	4.10	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.10	U	0.62	4.10	5.10	ug/L
88-74-4	2-Nitroaniline	4.10	U	1.30	4.10	5.10	ug/L
131-11-3	Dimethylphthalate	4.10	U	0.62	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	DUP	SDG No.:	Q2815
Lab Sample ID:	Q2815-19	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025475.D	1	08/14/25 09:15	08/19/25 14:10	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.10	U	0.77	4.10	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.10	U	0.94	4.10	5.10	ug/L
99-09-2	3-Nitroaniline	4.10	U	1.10	4.10	5.10	ug/L
83-32-9	Acenaphthene	4.10	U	0.56	4.10	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.20	U	6.10	8.20	10.2	ug/L
100-02-7	4-Nitrophenol	8.20	U	2.40	8.20	10.2	ug/L
132-64-9	Dibenzofuran	4.10	U	0.62	4.10	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.10	U	1.20	4.10	5.10	ug/L
84-66-2	Diethylphthalate	4.10	U	0.70	4.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.10	U	0.69	4.10	5.10	ug/L
86-73-7	Fluorene	4.10	U	0.64	4.10	5.10	ug/L
100-01-6	4-Nitroaniline	4.10	U	1.50	4.10	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.20	U	2.90	8.20	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	4.10	U	0.59	4.10	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.10	U	0.41	4.10	5.10	ug/L
118-74-1	Hexachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
1912-24-9	Atrazine	4.10	U	1.00	4.10	5.10	ug/L
87-86-5	Pentachlorophenol	8.20	U	1.60	8.20	10.2	ug/L
85-01-8	Phenanthrene	4.10	U	0.51	4.10	5.10	ug/L
120-12-7	Anthracene	4.10	U	0.62	4.10	5.10	ug/L
86-74-8	Carbazole	4.10	U	0.73	4.10	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.10	U	1.20	4.10	5.10	ug/L
206-44-0	Fluoranthene	4.10	U	0.84	4.10	5.10	ug/L
129-00-0	Pyrene	4.10	U	0.51	4.10	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.10	U	2.00	4.10	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.20	U	0.95	8.20	10.2	ug/L
56-55-3	Benzo(a)anthracene	4.10	U	0.46	4.10	5.10	ug/L
218-01-9	Chrysene	4.10	U	0.45	4.10	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.10	U	1.60	4.10	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.20	U	2.40	8.20	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	4.10	U	0.50	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	DUP	SDG No.:	Q2815
Lab Sample ID:	Q2815-19	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :		Level :	LOW
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025475.D	1	08/14/25 09:15	08/19/25 14:10	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.10	U	0.49	4.10	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.10	U	0.56	4.10	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.10	U	0.60	4.10	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.10	U	0.68	4.10	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.10	U	0.70	4.10	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
123-91-1	1,4-Dioxane	4.10	U	1.00	4.10	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.10	U	0.73	4.10	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	90.4		19 - 119		60%	SPK: 150
13127-88-3	Phenol-d6	68.4		10 - 130		46%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.5		44 - 120		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.4		44 - 119		77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		43 - 140		95%	SPK: 150
1718-51-0	Terphenyl-d14	78.8		50 - 134		79%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	169000	7.79	
1146-65-2	Naphthalene-d8	684000	10.566	
15067-26-2	Acenaphthene-d10	470000	14.401	
1517-22-2	Phenanthrene-d10	1020000	17.195	
1719-03-5	Chrysene-d12	1090000	21.642	
1520-96-3	Perylene-d12	1210000	25.001	

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	92.6	J		3.04	ug/L
000057-55-6	Propylene Glycol	13.4	J		3.57	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.60	AB		4.94	ug/L
000119-61-9	Benzophenone	10.2	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	17.8	J		18.1	ug/L
000057-11-4	Octadecanoic acid	4.60	J		19.5	ug/L
018835-32-0	1-Tricosene	7.70	J		21.3	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	DUP	SDG No.:	Q2815
Lab Sample ID:	Q2815-19	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025475.D	1	08/14/25 09:15	08/19/25 14:10	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000111-02-4	Squalene	5.50	J			23.5	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

Quant Time: Aug 19 14:56:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	168639	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	683732	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	469521	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	1016333	20.000	ng	0.00
76) Chrysene-d12	21.642	240	1089183	20.000	ng	0.00
86) Perylene-d12	25.001	264	1207989	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	918117	90.413	ng	0.00
7) Phenol-d6	6.966	99	890493	68.399	ng	0.00
23) Nitrobenzene-d5	8.937	82	1128788	83.513	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	899330	142.304	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2657365	77.351	ng	0.00
79) Terphenyl-d14	19.924	244	4688434	78.755	ng	0.00

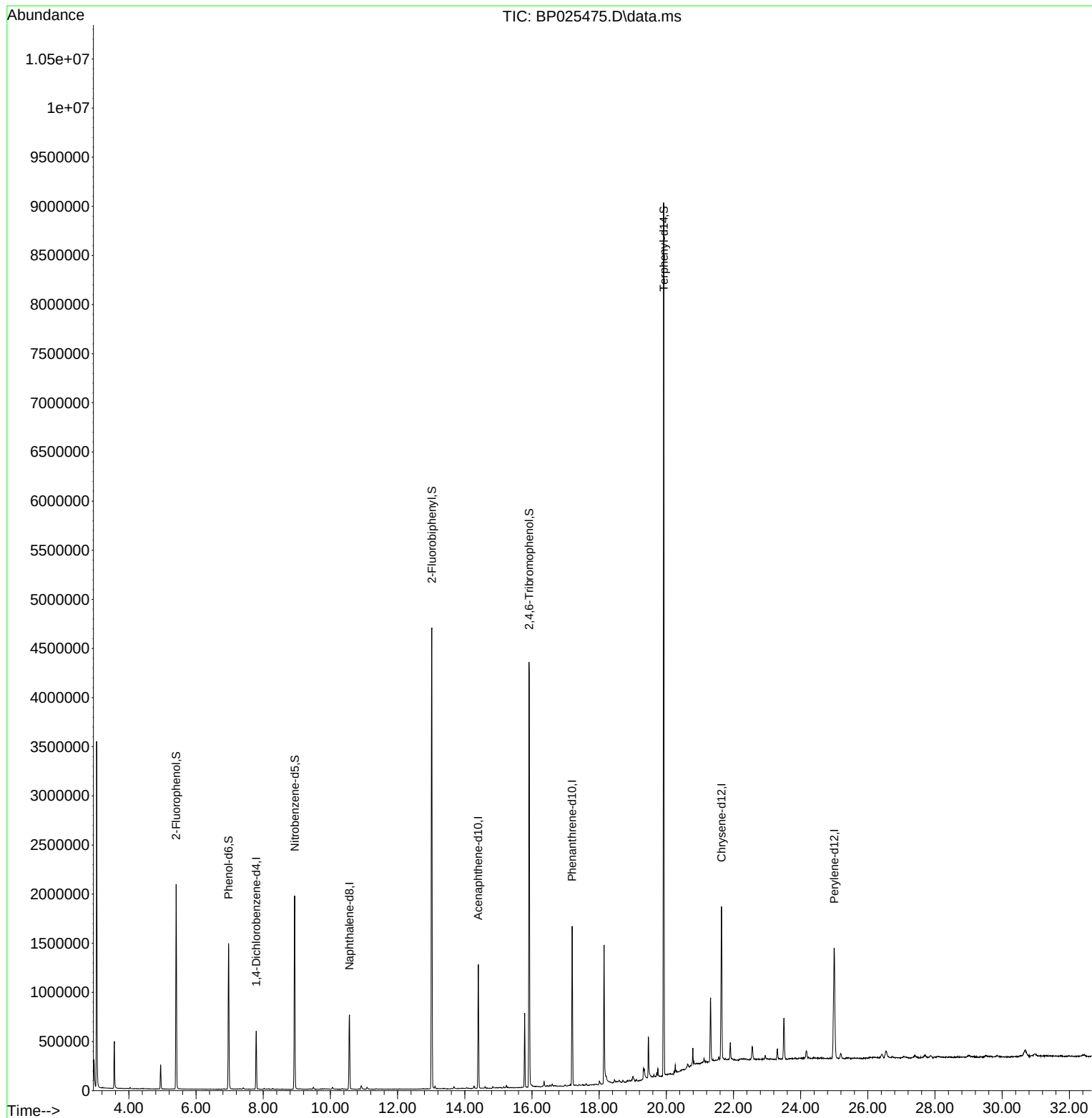
Target Compounds	Qvalue

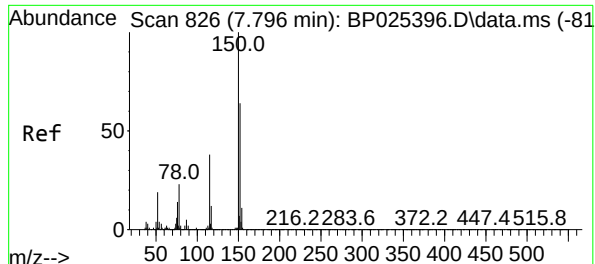
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

Quant Time: Aug 19 14:56:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

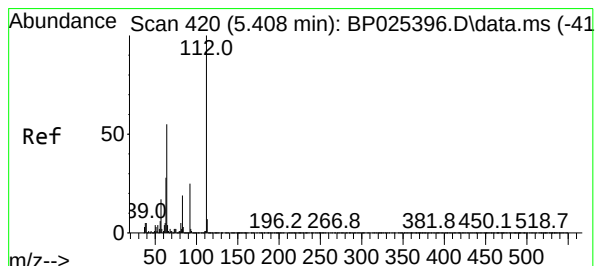
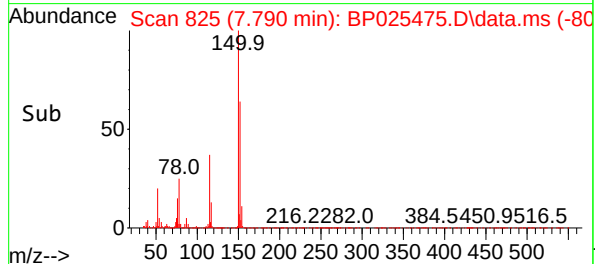
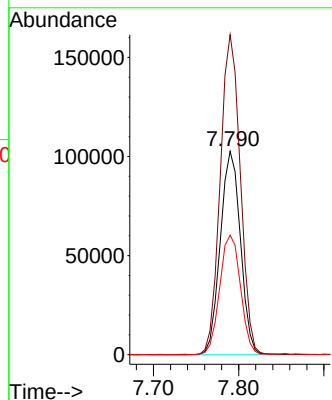
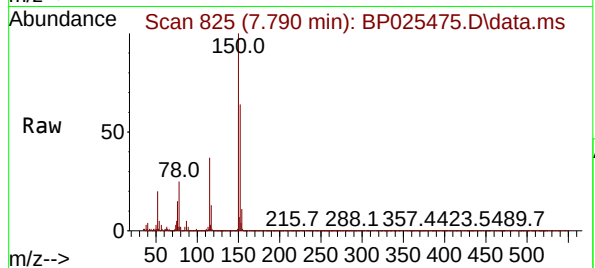




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025475.D
Acq: 19 Aug 2025 14:10

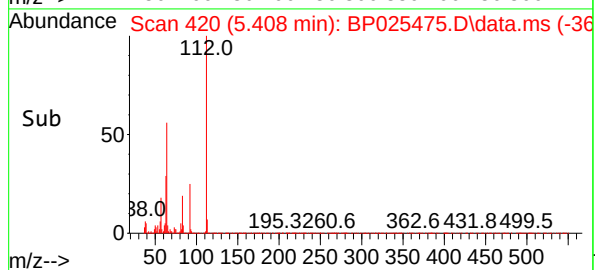
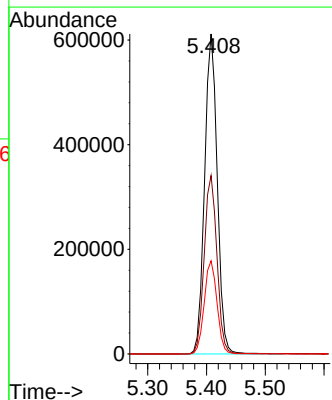
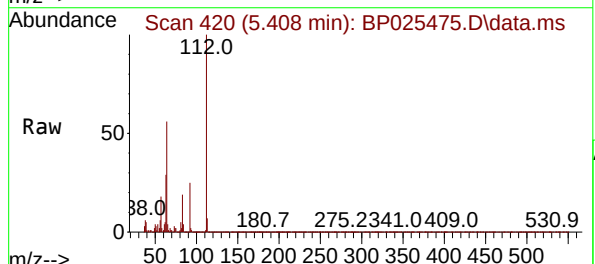
Instrument :
BNA_P
ClientSampleId :
DUP

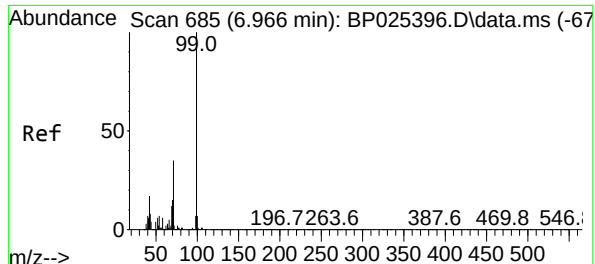
Tgt Ion:152 Resp: 168639
Ion Ratio Lower Upper
152 100
150 157.3 125.9 188.9
115 58.8 48.5 72.7



#5
2-Fluorophenol
Concen: 90.413 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025475.D
Acq: 19 Aug 2025 14:10

Tgt Ion:112 Resp: 918117
Ion Ratio Lower Upper
112 100
64 55.8 43.8 65.8
63 29.1 22.7 34.1

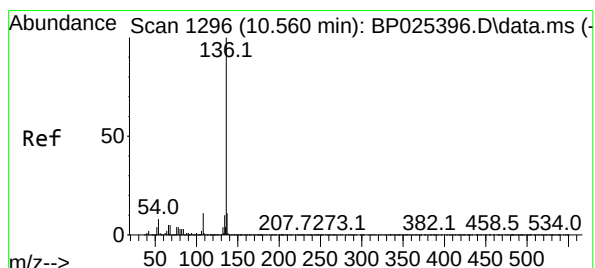
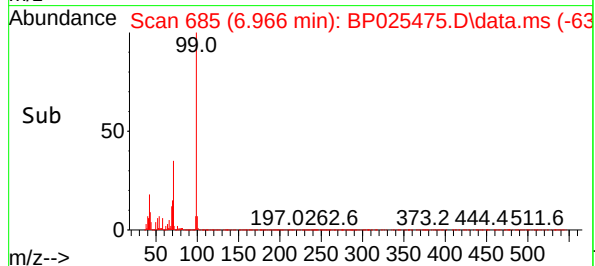
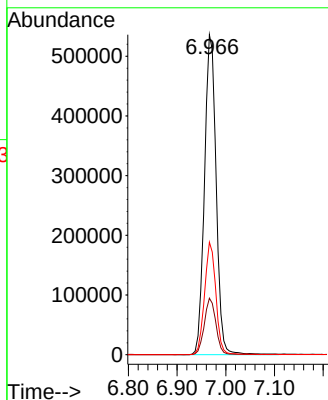
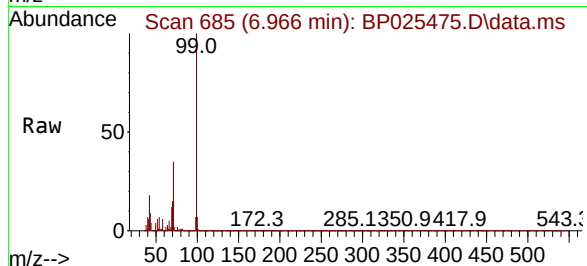




#7
Phenol-d6
Concen: 68.399 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025475.D
Acq: 19 Aug 2025 14:10

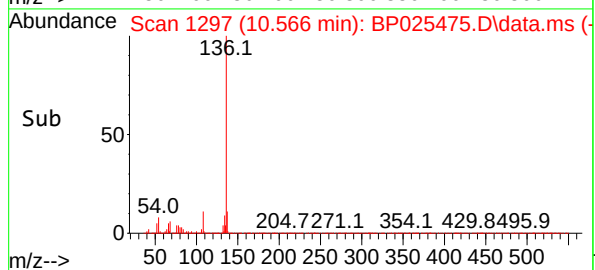
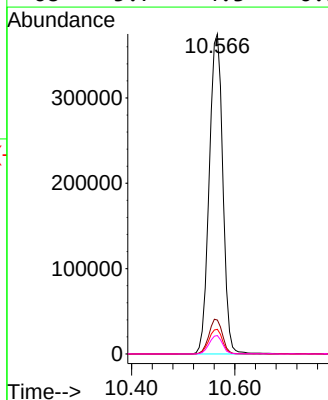
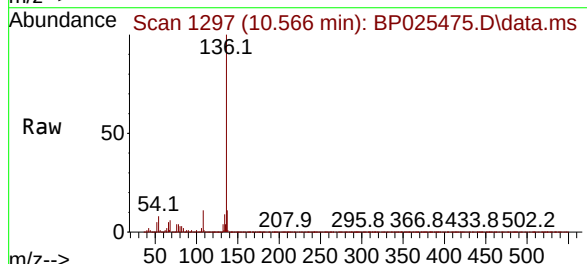
Instrument :
BNA_P
ClientSampleId :
DUP

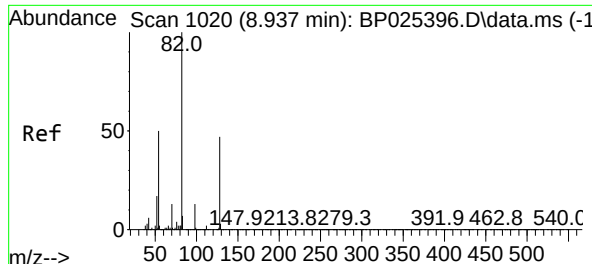
Tgt Ion: 99 Resp: 890493
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 35.1 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BP025475.D
Acq: 19 Aug 2025 14:10

Tgt Ion: 136 Resp: 683732
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 7.7 6.0 9.0
68 5.7 4.3 6.5





#23

Nitrobenzene-d5

Concen: 83.513 ng

RT: 8.937 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BP025475.D

Acq: 19 Aug 2025 14:10

Instrument :

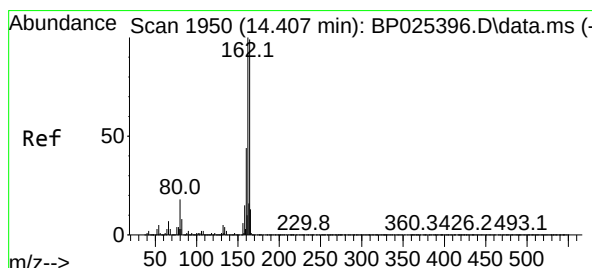
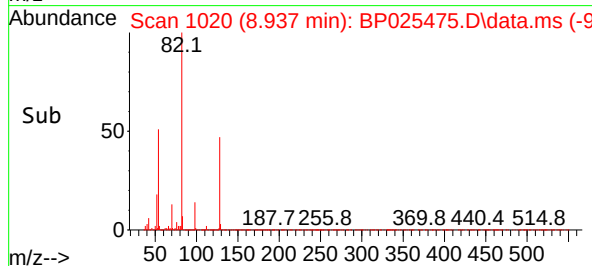
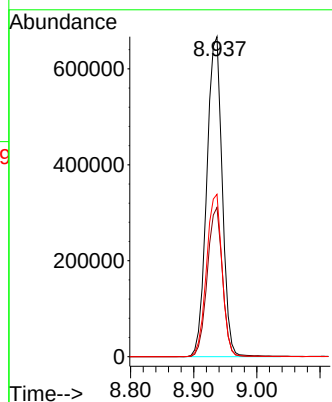
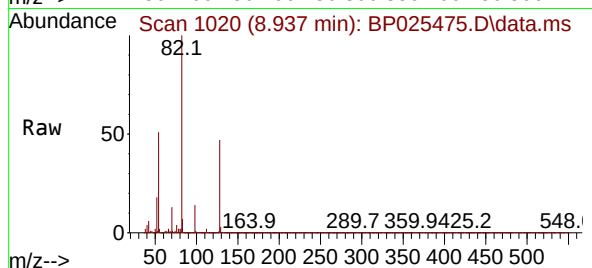
BNA_P

ClientSampleId :

DUP

Tgt Ion: 82 Resp: 1128788

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.7	56.5
54	50.8	39.8	59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1949

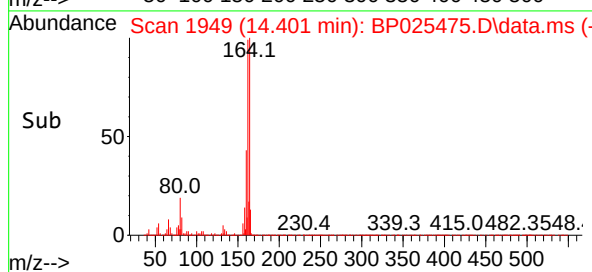
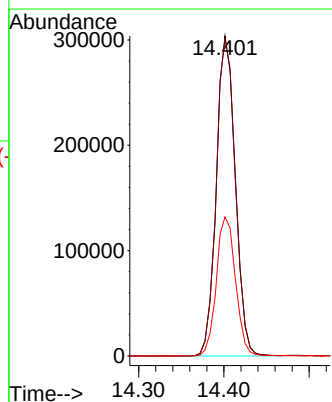
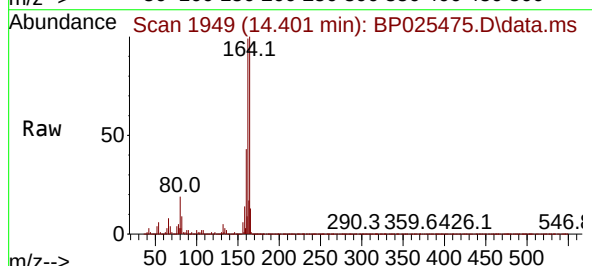
Delta R.T. -0.006 min

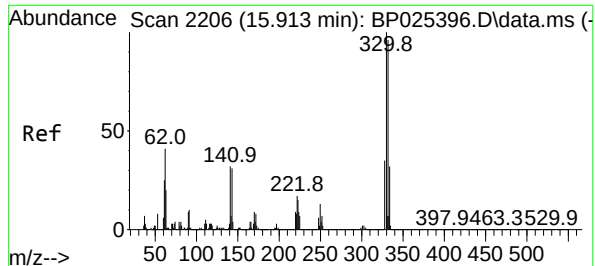
Lab File: BP025475.D

Acq: 19 Aug 2025 14:10

Tgt Ion: 164 Resp: 469521

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.0	121.6
160	43.4	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 142.304 ng

RT: 15.919 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025475.D

Acq: 19 Aug 2025 14:10

Instrument :

BNA_P

ClientSampleId :

DUP

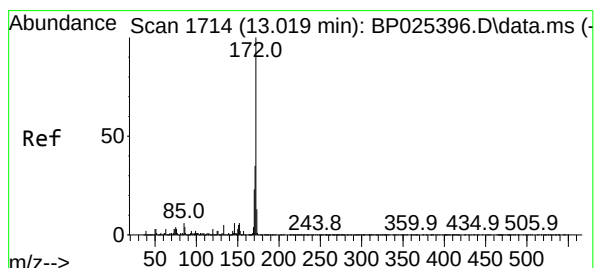
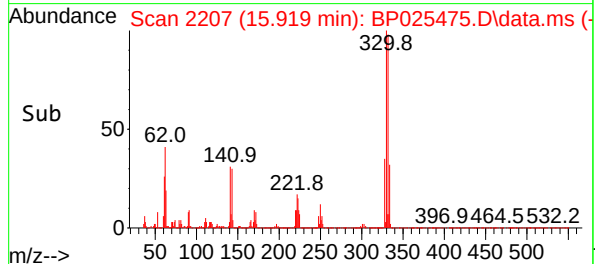
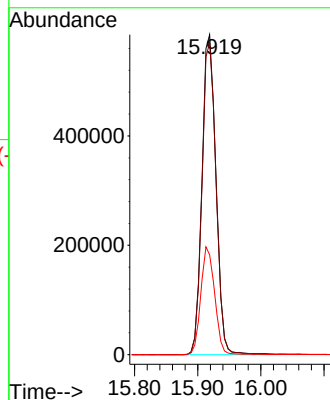
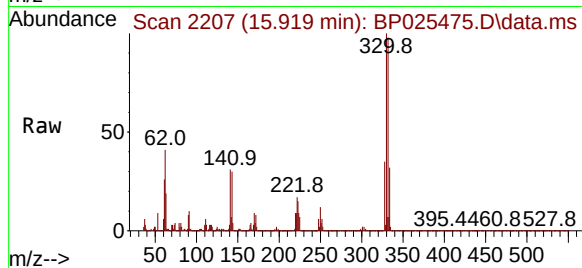
Tgt Ion:330 Resp: 899330

Ion Ratio Lower Upper

330 100

332 97.7 77.3 115.9

141 33.4 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 77.351 ng

RT: 13.019 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BP025475.D

Acq: 19 Aug 2025 14:10

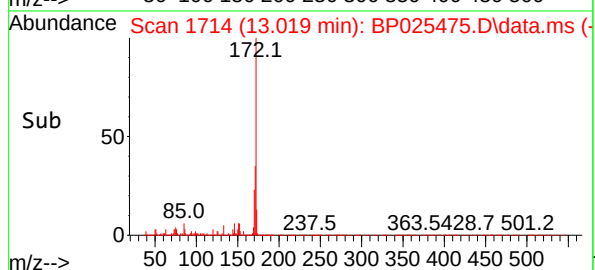
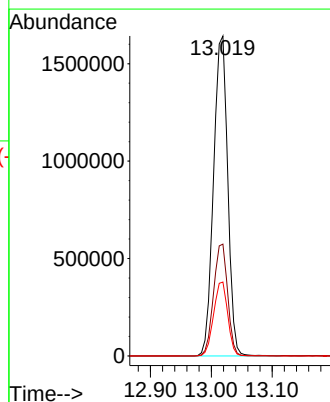
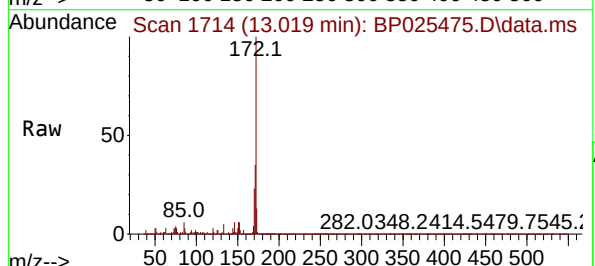
Tgt Ion:172 Resp: 2657365

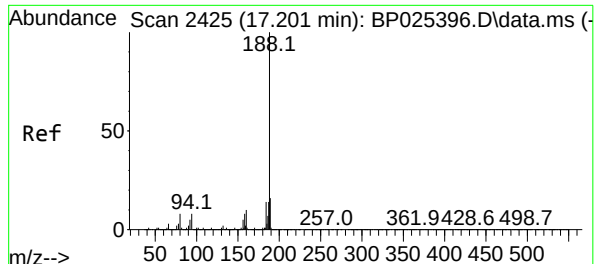
Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 23.1 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP025475.D

Acq: 19 Aug 2025 14:10

Instrument :

BNA_P

ClientSampleId :

DUP

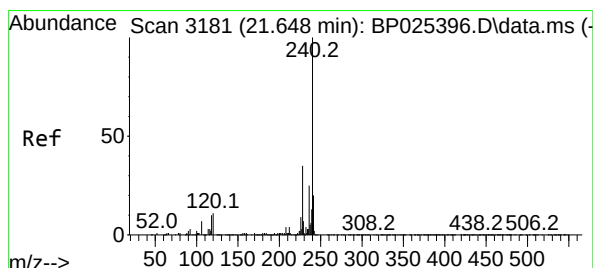
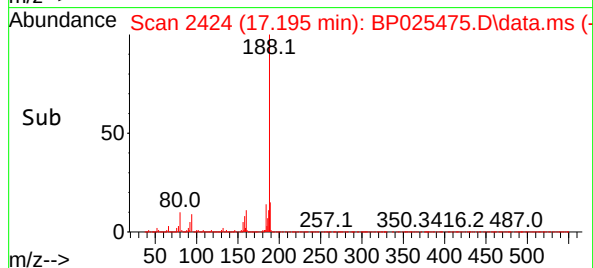
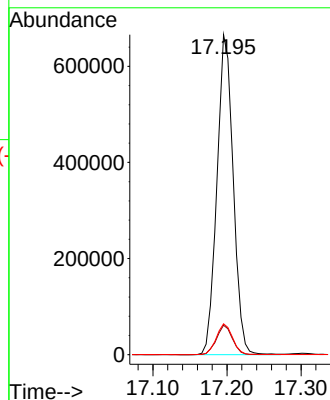
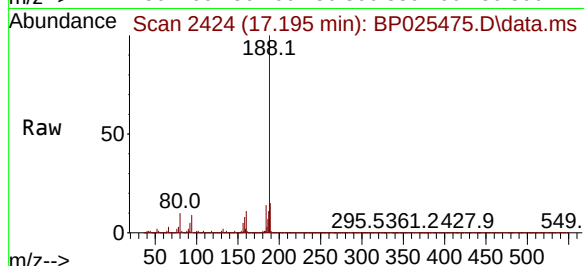
Tgt Ion:188 Resp: 1016333

Ion Ratio Lower Upper

188 100

94 9.2 6.6 10.0

80 9.7 6.7 10.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BP025475.D

Acq: 19 Aug 2025 14:10

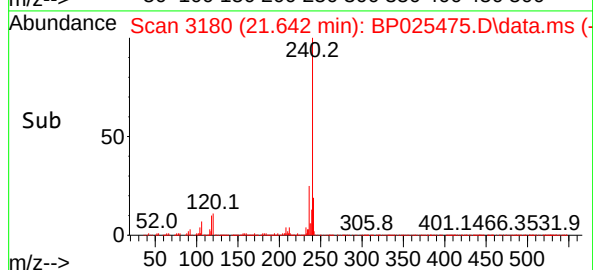
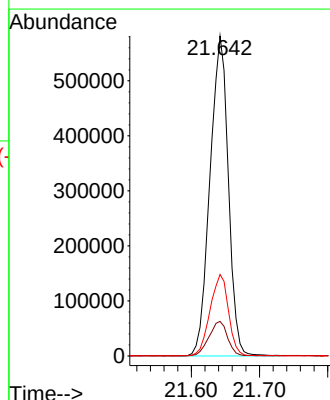
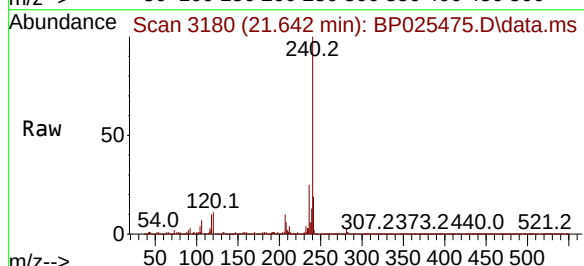
Tgt Ion:240 Resp: 1089183

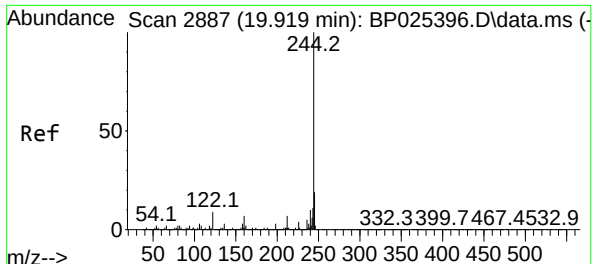
Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

236 25.4 19.8 29.8

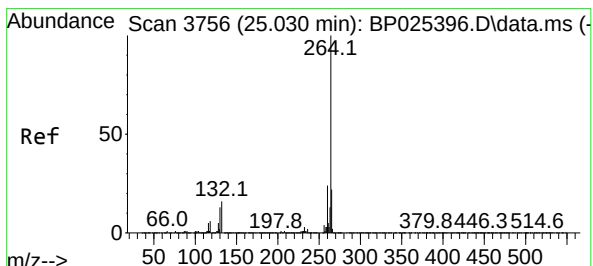
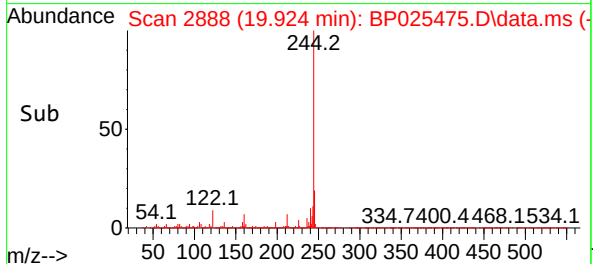
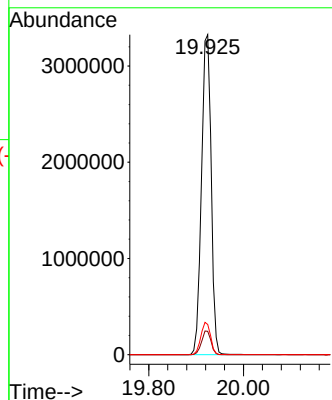
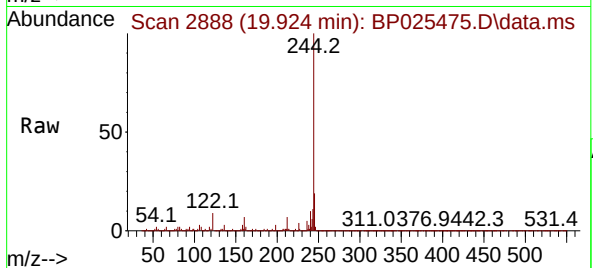




#79
Terphenyl-d14
Concen: 78.755 ng
RT: 19.924 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025475.D
Acq: 19 Aug 2025 14:10

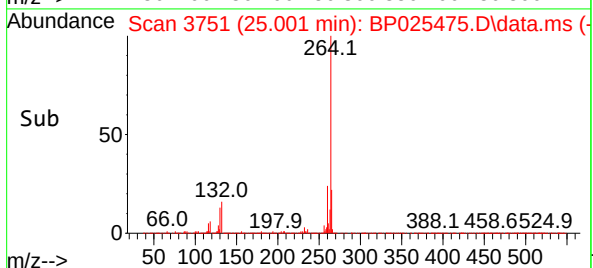
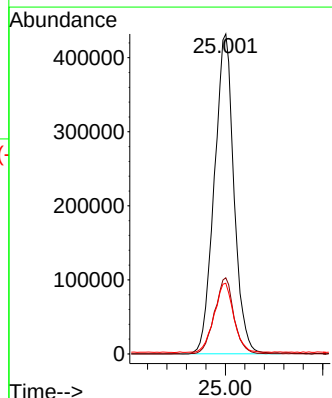
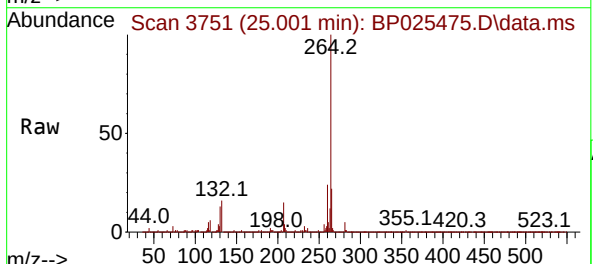
Instrument :
BNA_P
ClientSampleId :
DUP

Tgt Ion:244 Resp: 4688434
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 9.4 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025475.D
Acq: 19 Aug 2025 14:10

Tgt Ion:264 Resp: 1207989
Ion Ratio Lower Upper
264 100
260 23.8 19.3 28.9
265 22.1 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025475.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	13	17	36	rVB	3525876	4463306	35.36%	7.349%
2	3.567	102	107	118	rBV	477335	645587	5.11%	1.063%
3	4.943	334	341	352	rBV2	246705	365362	2.89%	0.602%
4	5.408	413	420	432	rBV	2083156	3122330	24.73%	5.141%
5	6.966	676	685	702	rBV	1482346	2488574	19.71%	4.097%
6	7.790	817	825	833	rBV	593337	983632	7.79%	1.620%
7	8.937	1007	1020	1038	rBV	1971110	3364017	26.65%	5.539%
8	10.566	1288	1297	1309	rBV	758719	1393516	11.04%	2.294%
9	13.019	1705	1714	1725	rBV	4692317	7670122	60.76%	12.629%
10	14.401	1941	1949	1960	rBV	1260937	1985456	15.73%	3.269%
11	15.784	2178	2184	2191	rBV	754216	993865	7.87%	1.636%
12	15.913	2200	2206	2218	rBV	4324980	6730950	53.32%	11.082%
13	17.195	2418	2424	2432	rBV2	1622219	2500025	19.80%	4.116%
14	18.148	2580	2586	2595	rBV	1412740	2180627	17.27%	3.590%
15	19.319	2781	2785	2787	rBV2	110177	148664	1.18%	0.245%
16	19.466	2806	2810	2824	rBV	416838	661535	5.24%	1.089%
17	19.919	2881	2887	2895	rBV	8889551	12623576	100.00%	20.784%
18	20.789	3032	3035	3038	rVB	159105	158398	1.25%	0.261%
19	21.319	3119	3125	3133	rBV	647373	1119699	8.87%	1.844%
20	21.642	3173	3180	3195	rVB	1559000	2960321	23.45%	4.874%
21	21.907	3221	3225	3232	rVB	167817	247418	1.96%	0.407%
22	23.501	3491	3496	3504	rVB	415933	830737	6.58%	1.368%
23	24.995	3742	3750	3766	rVB	1117656	3098856	24.55%	5.102%

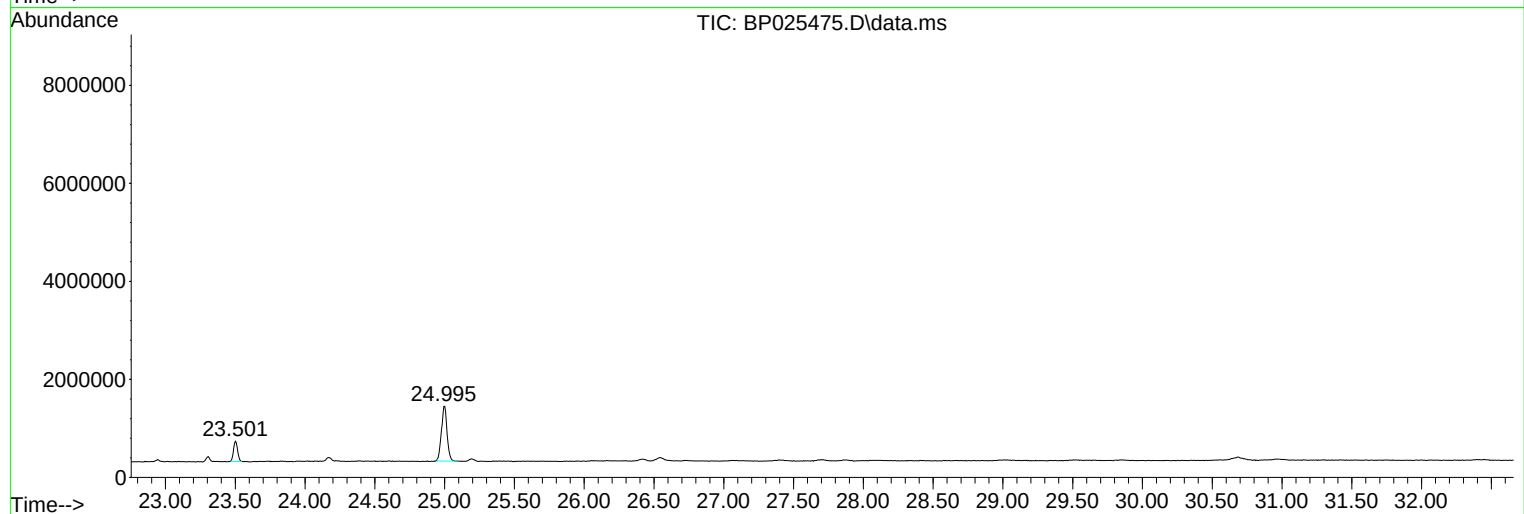
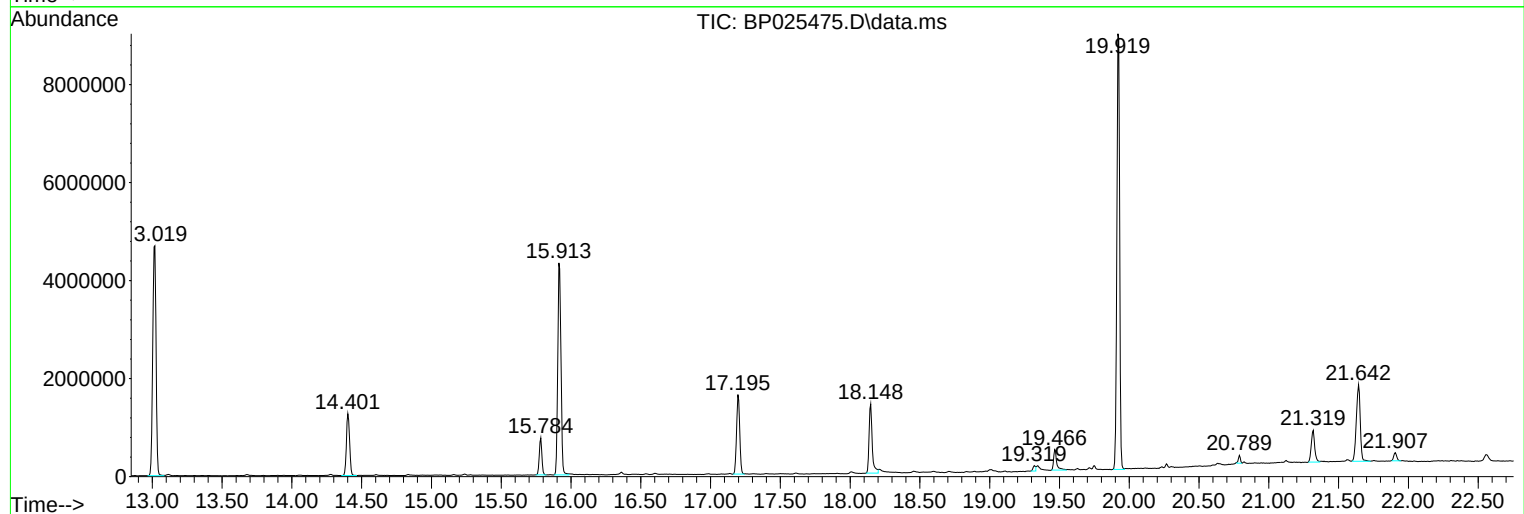
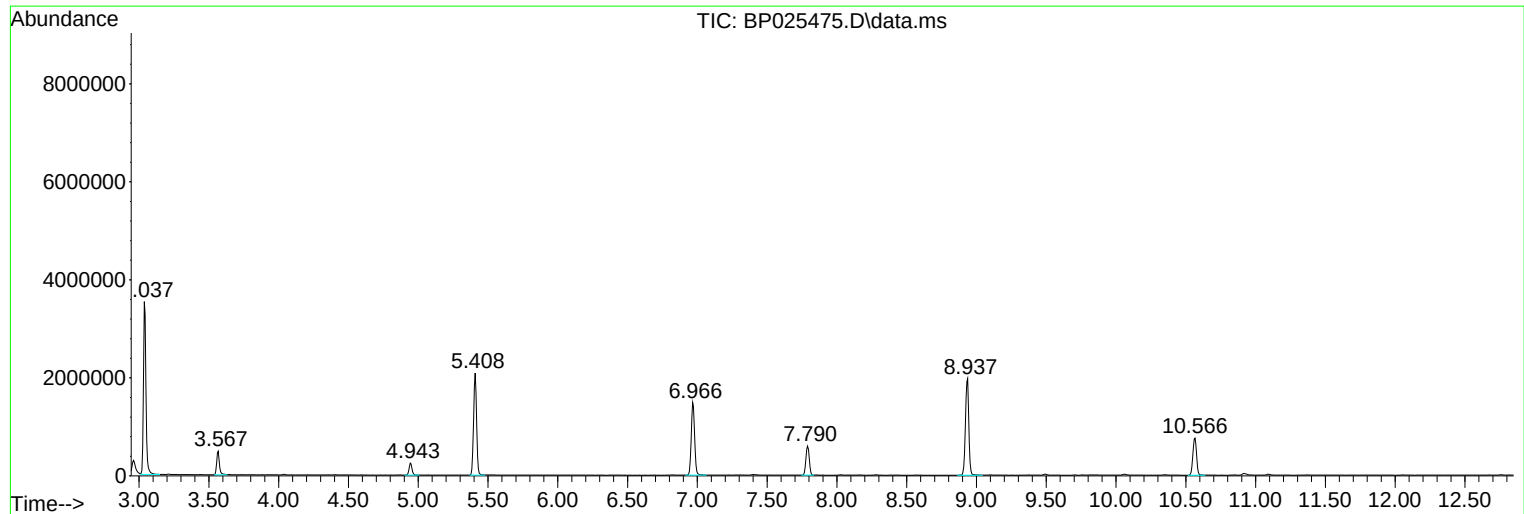
Sum of corrected areas: 60736573

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

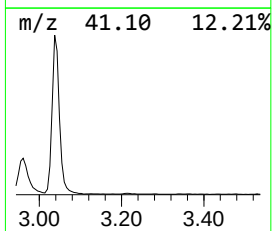
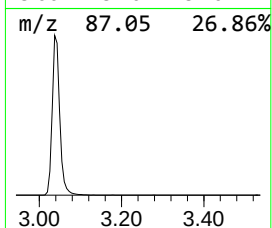
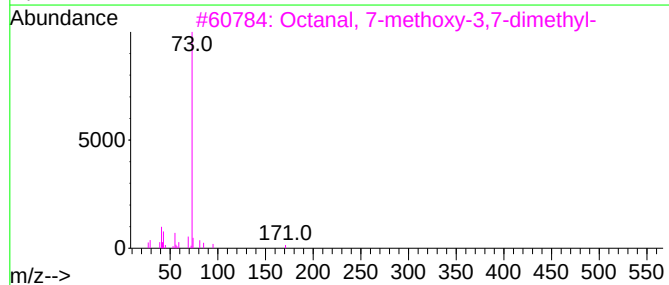
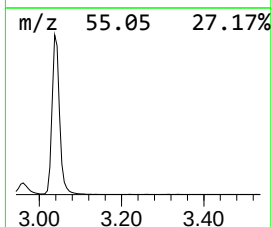
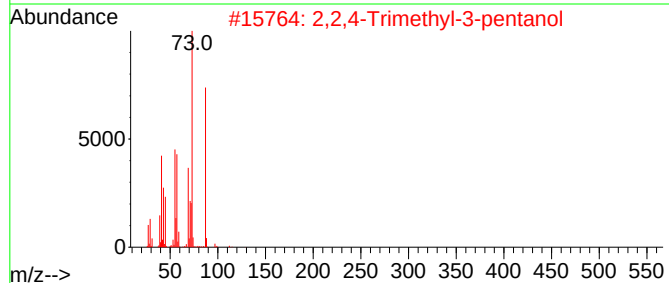
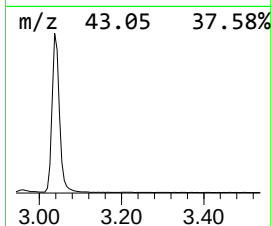
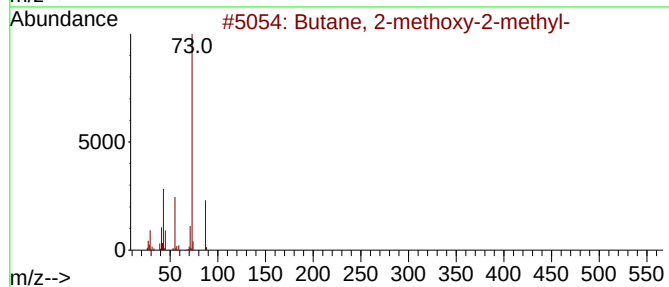
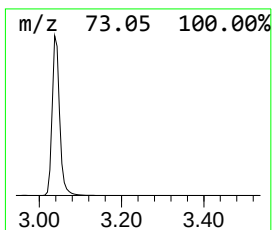
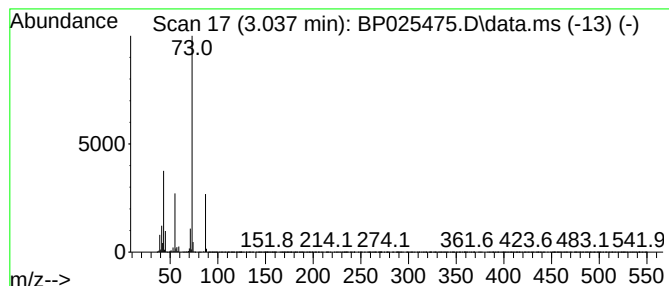
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	90.75 ng	4463310	1,4-Dichlorobenzene-d4	7.790

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

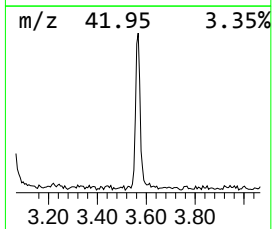
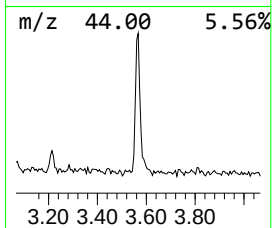
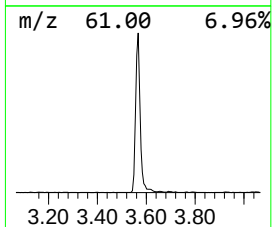
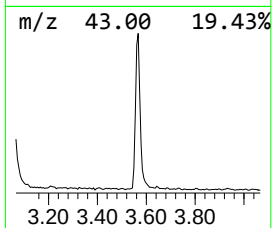
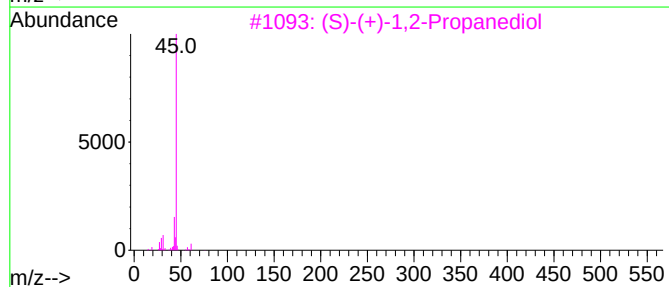
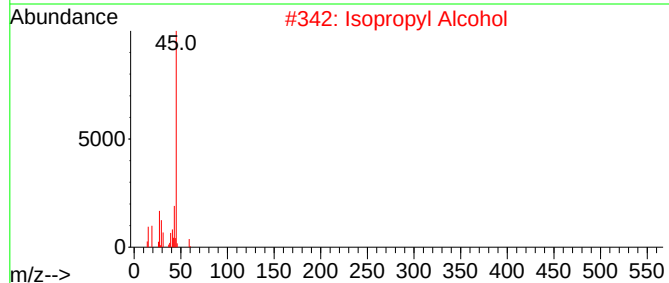
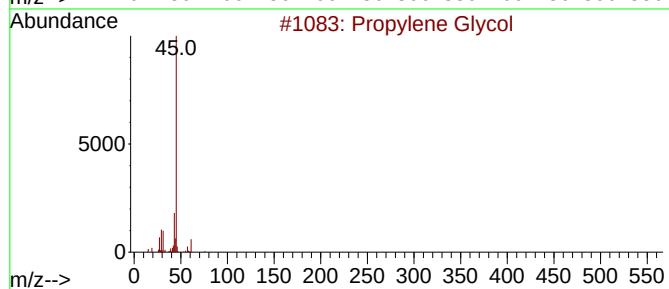
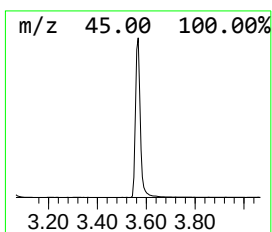
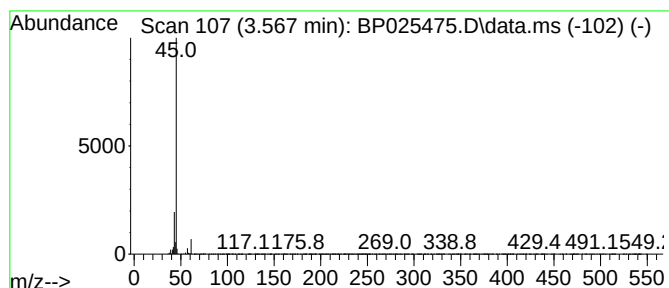
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Propylene Glycol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.567	13.13 ng	645587	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propylene Glycol	76	C3H8O2	000057-55-6	86
2			Isopropyl Alcohol	60	C3H8O	000067-63-0	56
3			(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	43
4			Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	40
5			R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

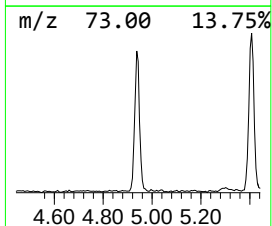
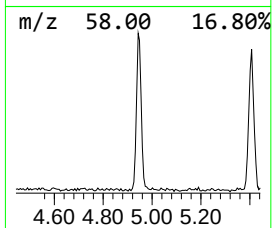
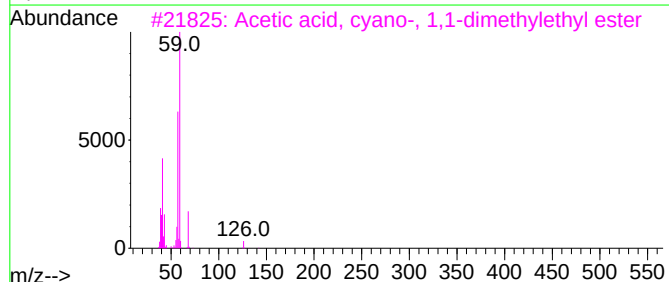
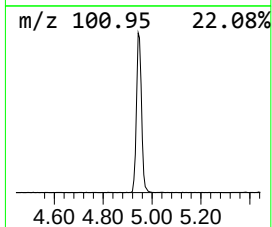
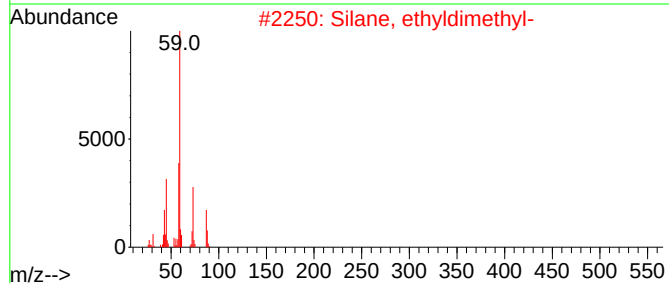
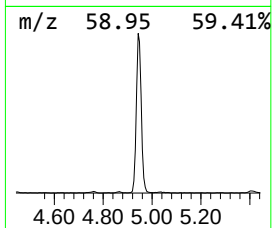
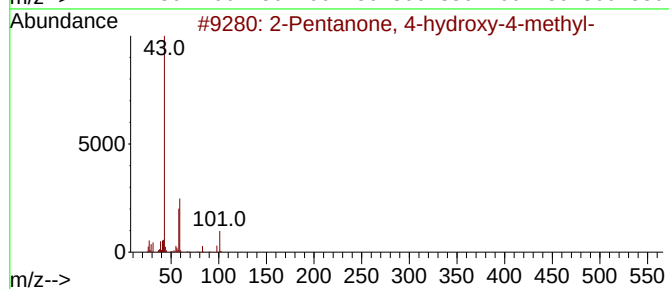
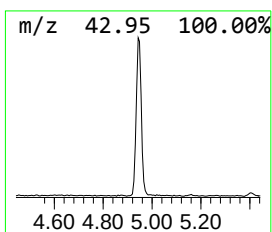
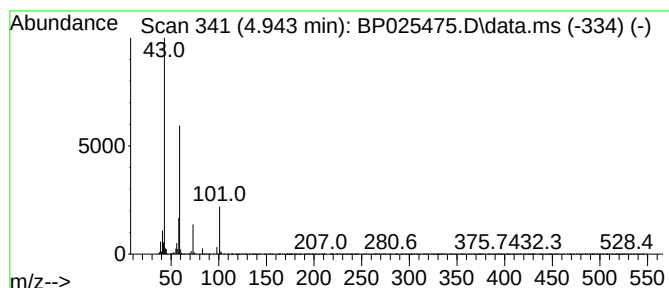
Instrument :
BNA_P
ClientSampleId :
DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.943	7.43 ng	365362	1,4-Dichlorobenzene-d4	7.790	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Silane, ethyldimethyl-	88	C4H12Si	000758-21-4	32
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	.alpha.-Hydroxyisobutyric acid, ...	146	C6H10O4	1000374-31-3	17
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

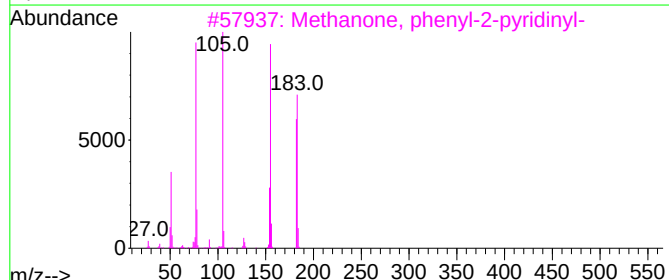
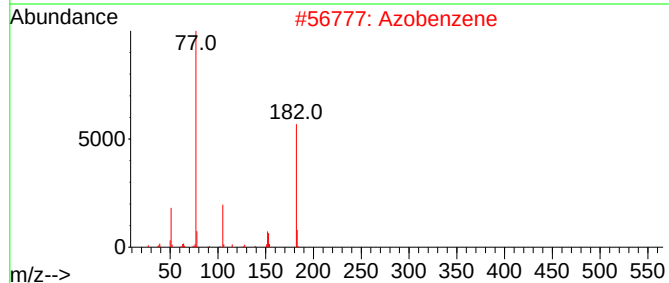
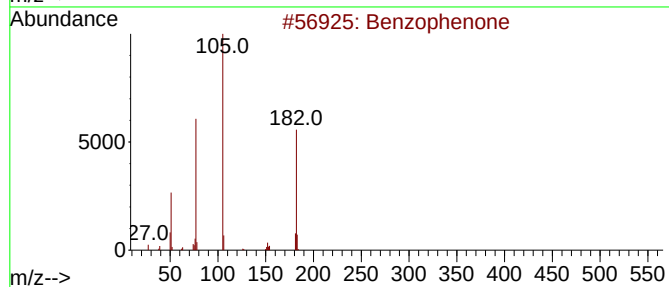
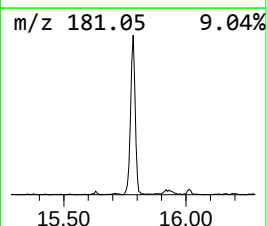
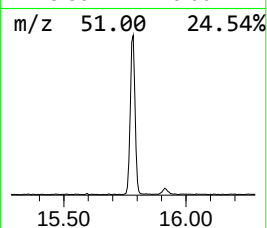
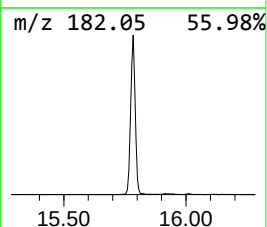
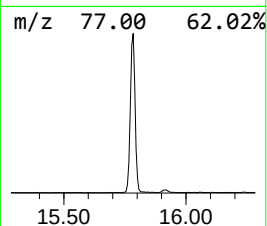
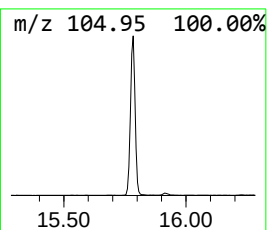
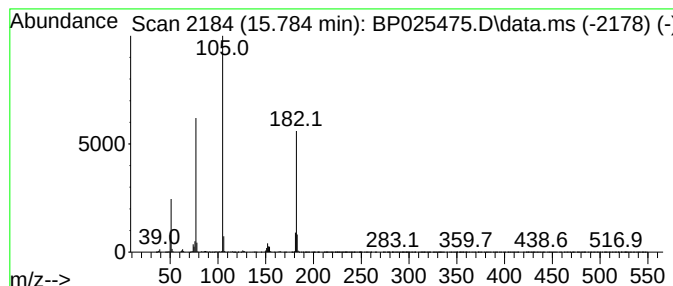
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.784	10.01 ng	993865	Acenaphthene-d10	14.401

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	64
3			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	45
4			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45
5			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

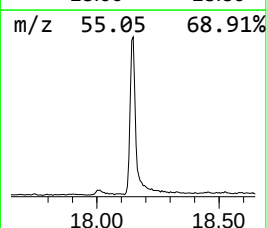
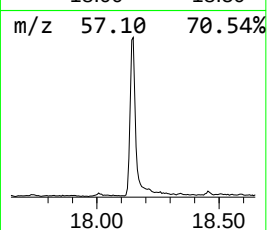
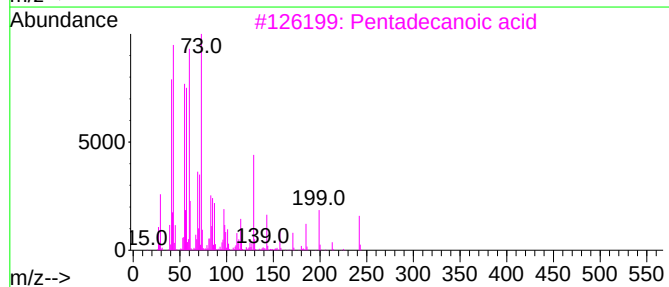
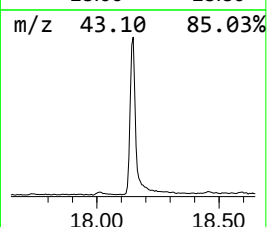
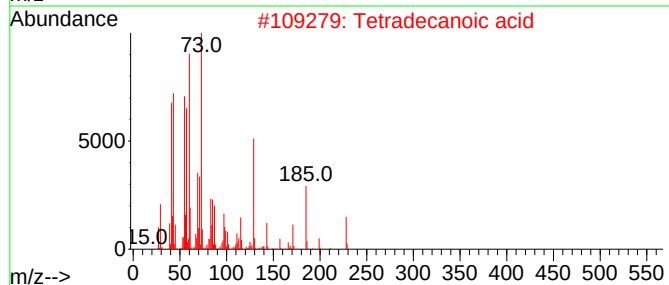
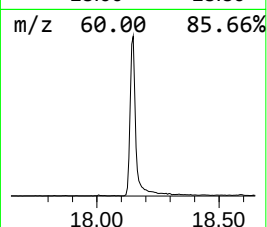
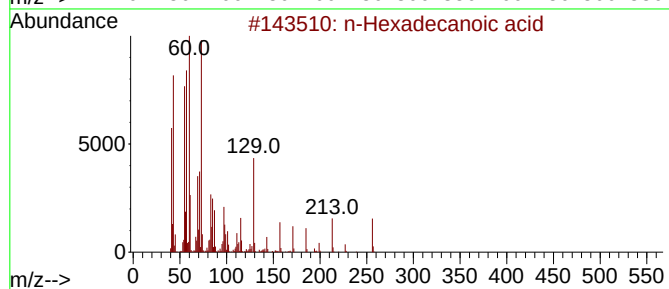
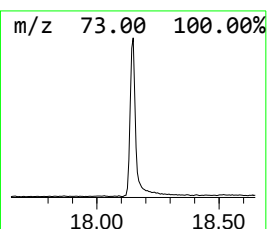
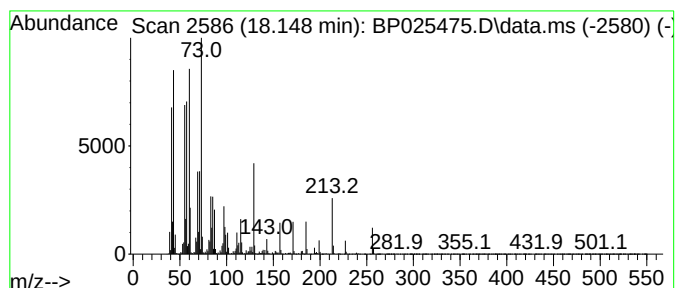
Instrument :
BNA_P
ClientSampleId :
DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.148	17.44 ng	2180630	Phenanthrene-d10	17.195	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	91
5	Undecanoic acid	186	C11H22O2	000112-37-8	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

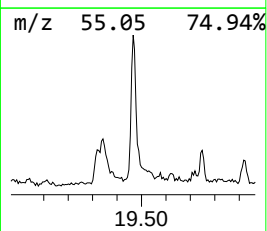
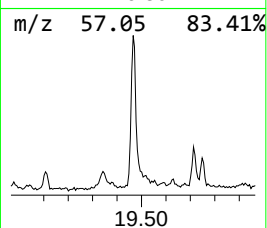
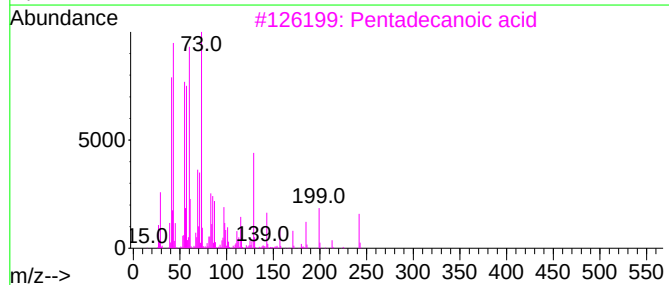
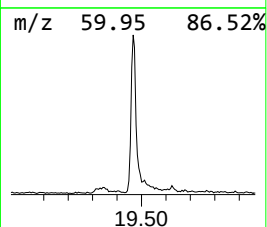
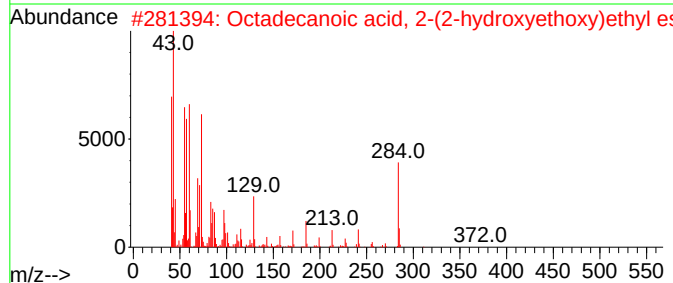
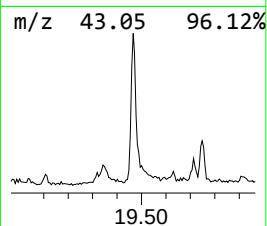
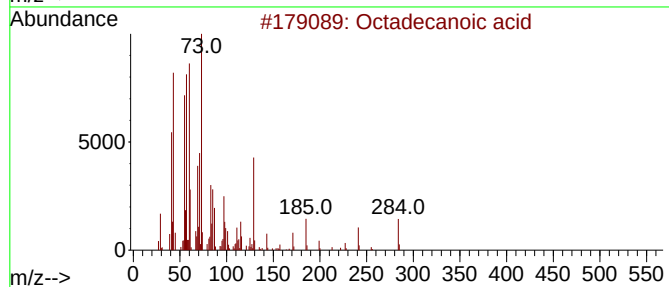
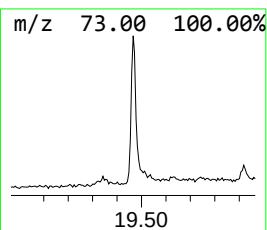
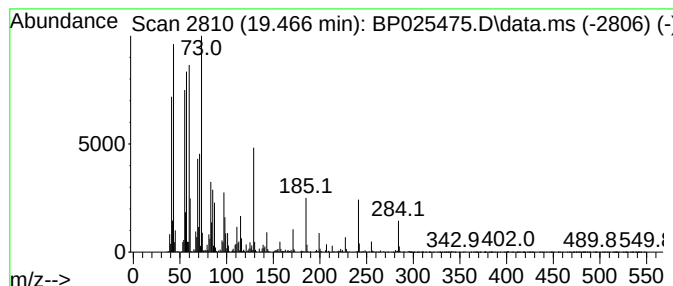
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.466	4.47 ng	661535	Chrysene-d12	21.642

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

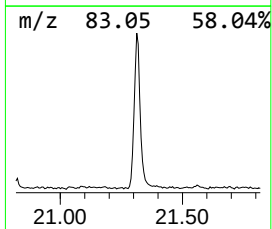
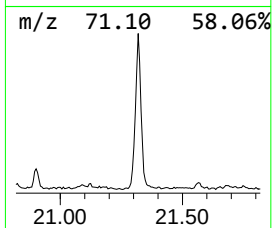
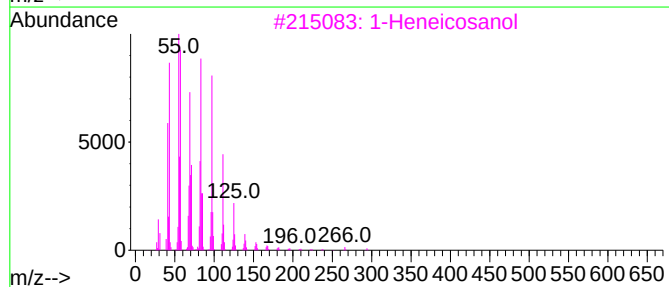
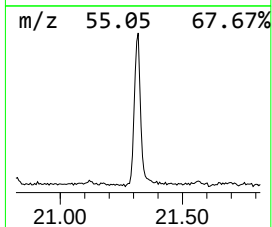
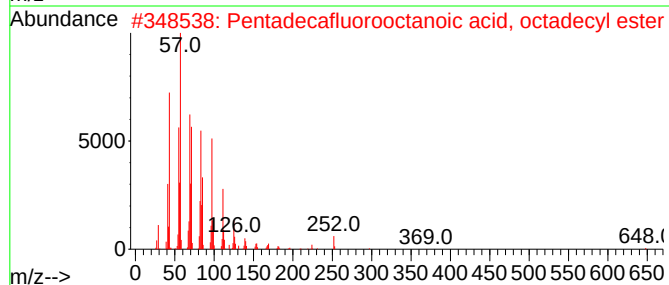
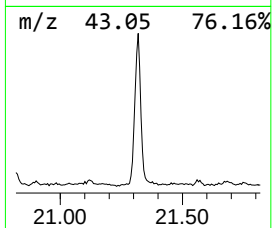
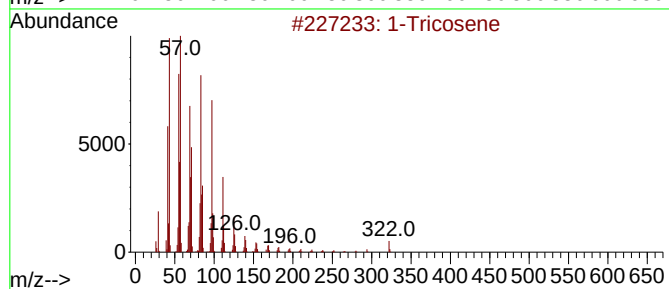
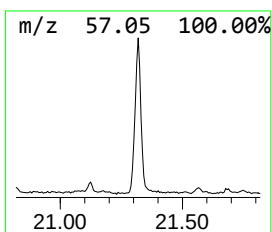
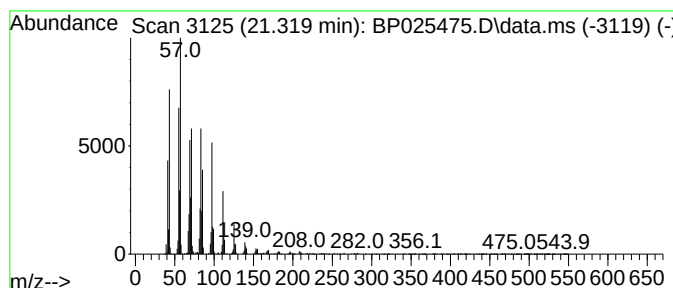
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Tricosene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.319	7.56 ng	1119700	Chrysene-d12	21.642

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosene			322	C23H46	018835-32-0	94
2	Pentadecafluorooctanoic acid, oc...			666	C26H37F15O2	1000406-04-8	94
3	1-Heneicosanol			312	C21H44O	015594-90-8	93
4	Ethanol, 2-(tetradecyloxy)-			258	C16H34O2	002136-70-1	91
5	1-Hexadecanesulfonyl chloride			324	C16H33ClO2S	038775-38-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

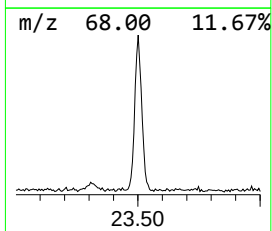
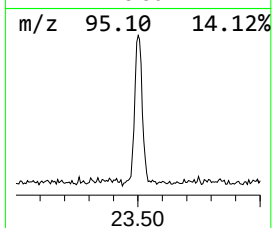
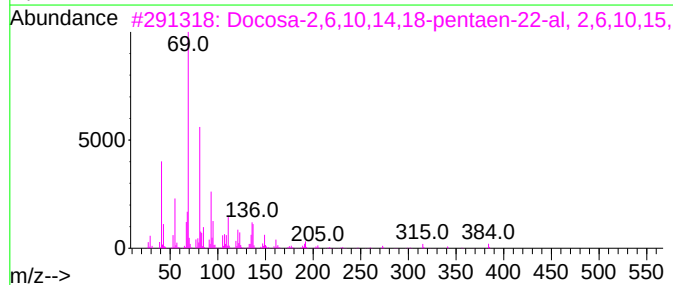
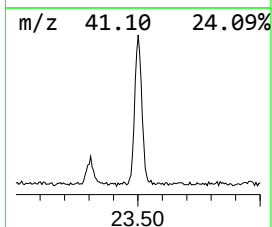
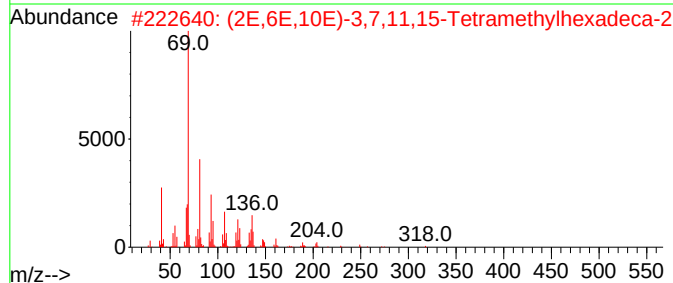
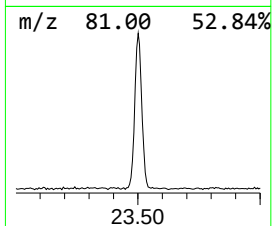
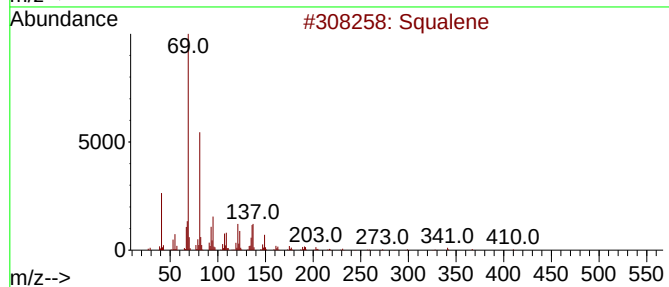
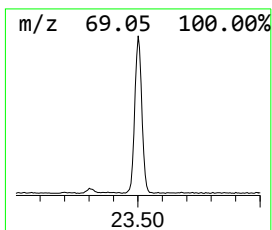
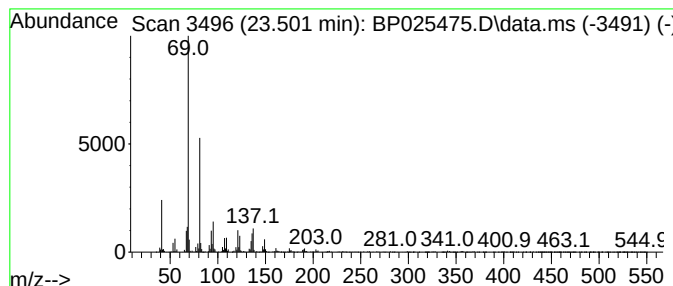
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.501	5.36 ng	830737	Perylene-d12	25.001

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Squalene	410	C30H50	000111-02-4	95
2			(2E,6E,10E)-3,7,11,15-Tetramethy...	318	C21H34O2	125456-63-5	90
3			Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	90
4			Supraene	410	C30H50	007683-64-9	86
5			1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025475.D
Acq On : 19 Aug 2025 14:10
Operator : CG/JU
Sample : Q2815-19
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DUP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	90.8	ng	4463310	1	7.790	983632	20.0
Propylene Glycol	3.567	13.1	ng	645587	1	7.790	983632	20.0
2-Pentanone, 4-...	4.943	7.4	ng	365362	1	7.790	983632	20.0
Benzophenone	15.784	10.0	ng	993865	3	14.401	1985460	20.0
n-Hexadecanoic ...	18.148	17.4	ng	2180630	4	17.195	2500030	20.0
Octadecanoic acid	19.466	4.5	ng	661535	5	21.642	2960320	20.0
1-Tricosene	21.319	7.6	ng	1119700	5	21.642	2960320	20.0
Squalene	23.501	5.4	ng	830737	6	25.001	3098860	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-20	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025476.D	1	08/14/25 09:15	08/19/25 14:51	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-20	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025476.D	1	08/14/25 09:15	08/19/25 14:51	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-20	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025476.D	1	08/14/25 09:15	08/19/25 14:51	PB169244

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

SURROGATES

367-12-4	2-Fluorophenol	94.6		19 - 119	63%	SPK: 150
13127-88-3	Phenol-d6	68.0		10 - 130	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.1		44 - 120	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.6		44 - 119	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	171		43 - 140	114%	SPK: 150
1718-51-0	Terphenyl-d14	92.0		50 - 134	92%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	149000	7.79
1146-65-2	Naphthalene-d8	590000	10.555
15067-26-2	Acenaphthene-d10	418000	14.401
1517-22-2	Phenanthrene-d10	941000	17.201
1719-03-5	Chrysene-d12	1070000	21.648
1520-96-3	Perylene-d12	1140000	25.024

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	91.4	J	3.04	ug/L
001193-11-9	1,3-Dioxolane, 2,2,4-trimethyl-	36.2	J	3.46	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.40	AB	4.95	ug/L
000119-61-9	Benzophenone	6.20	J	15.8	ug/L
000057-10-3	n-Hexadecanoic acid	7.10	J	18.1	ug/L
010192-32-2	1-Tetracosene	4.20	J	21.3	ug/L
007683-64-9	Supraene	2.30	J	23.5	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-W	SDG No.:	Q2815
Lab Sample ID:	Q2815-20	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025476.D	1	08/14/25 09:15	08/19/25 14:51	PB169244

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025476.D
Acq On : 19 Aug 2025 14:51
Operator : CG/JU
Sample : Q2815-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-W

Quant Time: Aug 19 15:14:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	148632	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	590183	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	418235	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	940535	20.000	ng	0.00
76) Chrysene-d12	21.648	240	1068313	20.000	ng	0.00
86) Perylene-d12	25.024	264	1139629	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	846311	94.560	ng	0.00
7) Phenol-d6	6.966	99	779784	67.957	ng	0.00
23) Nitrobenzene-d5	8.925	82	1156453	99.121	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	963889	171.222	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2709907	88.553	ng	0.00
79) Terphenyl-d14	19.925	244	5372879	92.015	ng	0.00

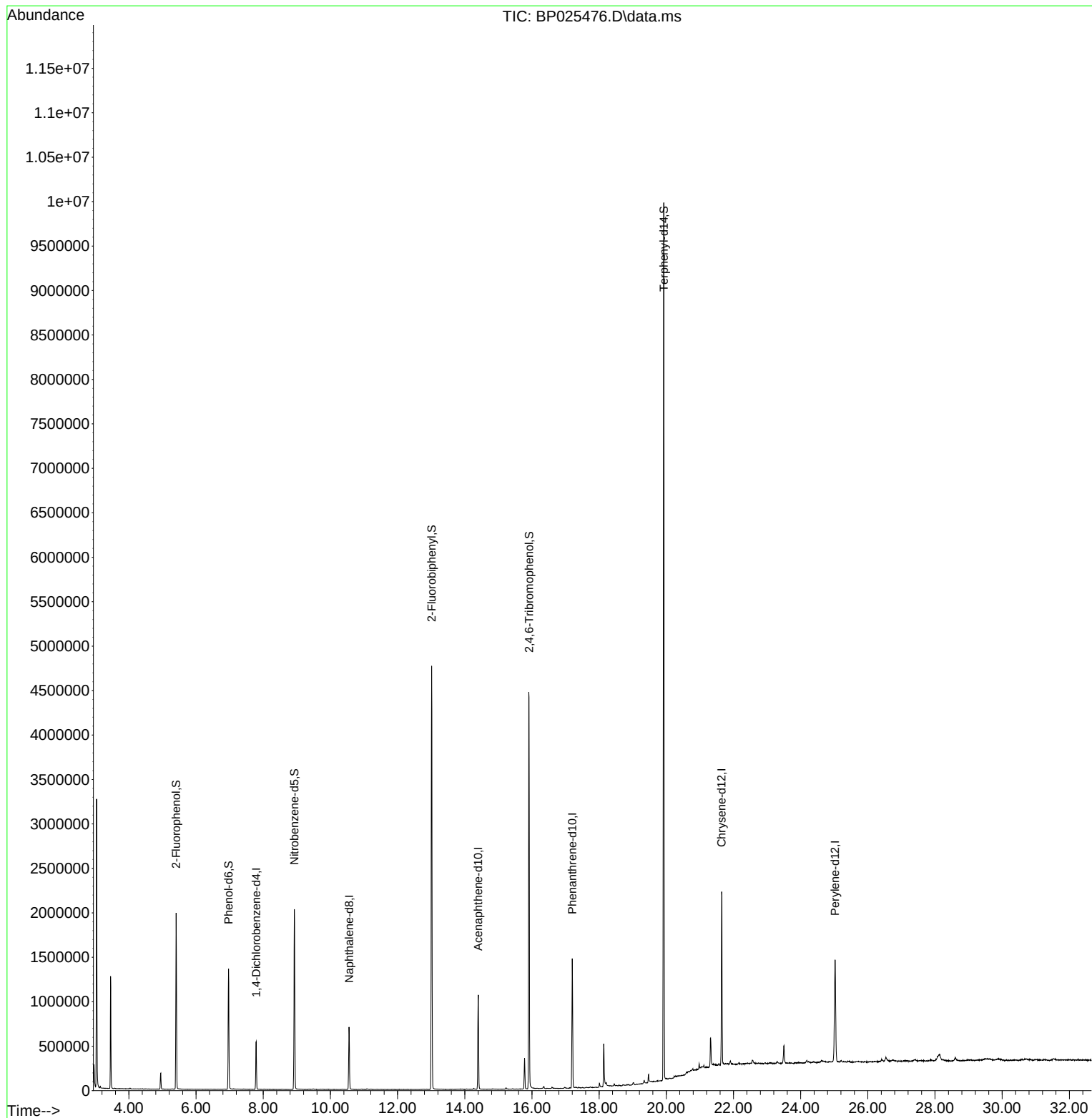
Target Compounds	Qvalue
------------------	--------

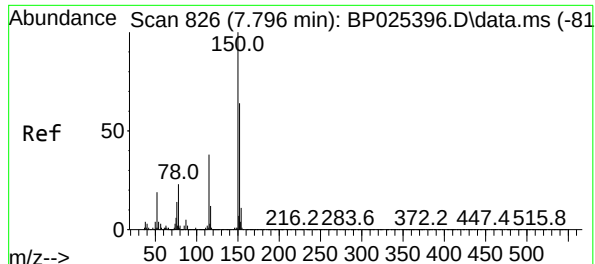
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025476.D
Acq On : 19 Aug 2025 14:51
Operator : CG/JU
Sample : Q2815-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-W

Quant Time: Aug 19 15:14:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

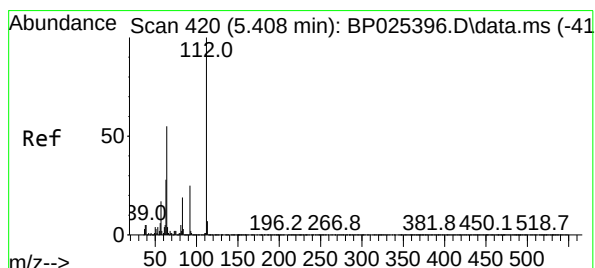
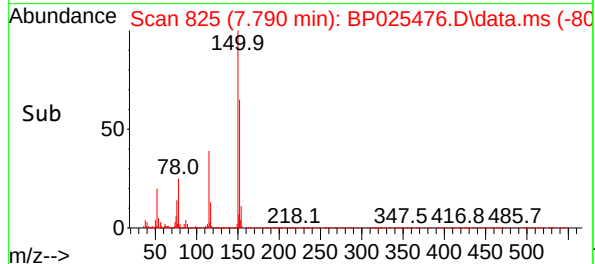
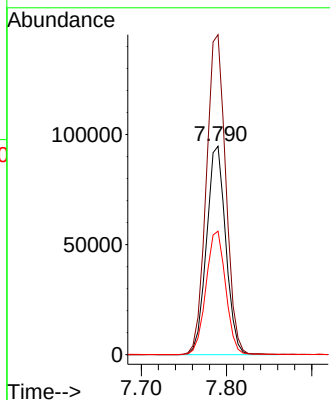
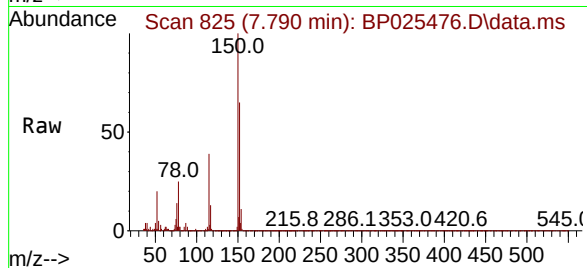




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025476.D
Acq: 19 Aug 2025 14:51

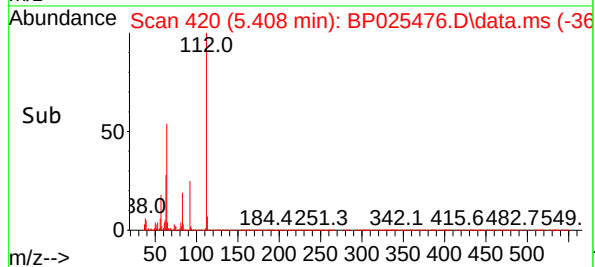
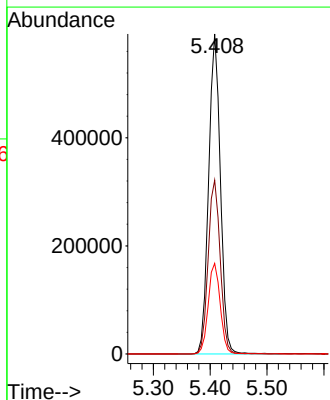
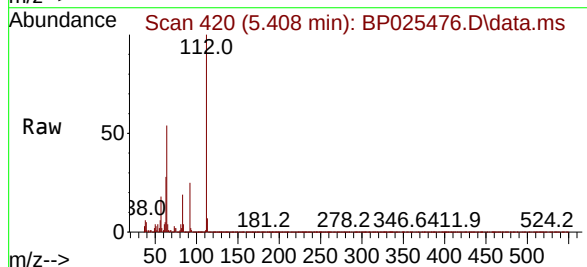
Instrument :
BNA_P
ClientSampleId :
TW-11M-W

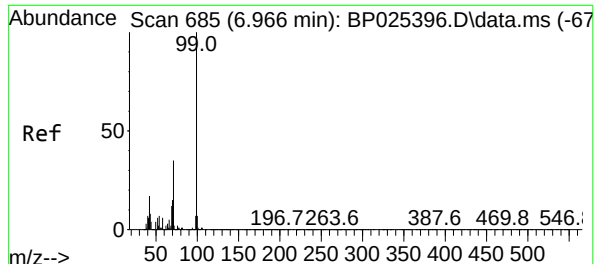
Tgt Ion:152 Resp: 148632
Ion Ratio Lower Upper
152 100
150 153.5 125.9 188.9
115 59.2 48.5 72.7



#5
2-Fluorophenol
Concen: 94.560 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025476.D
Acq: 19 Aug 2025 14:51

Tgt Ion:112 Resp: 846311
Ion Ratio Lower Upper
112 100
64 54.3 43.8 65.8
63 28.3 22.7 34.1

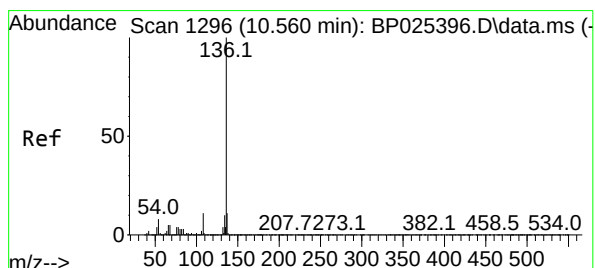
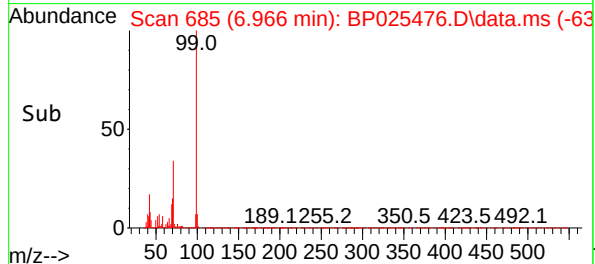
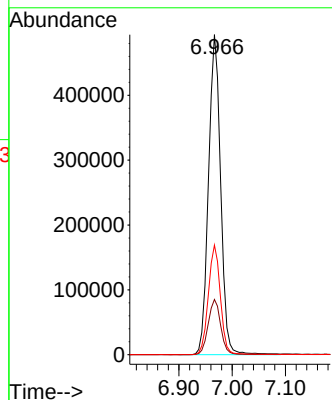
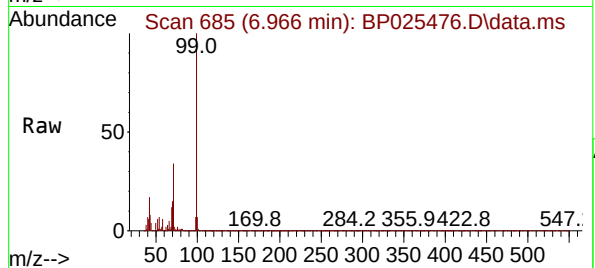




#7
Phenol-d6
Concen: 67.957 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025476.D
Acq: 19 Aug 2025 14:51

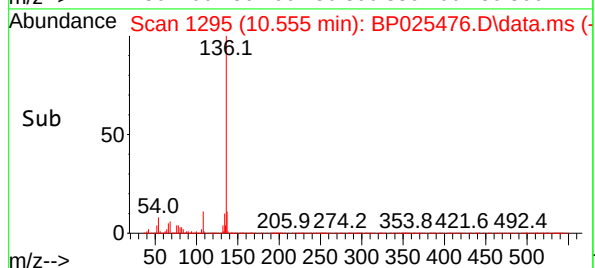
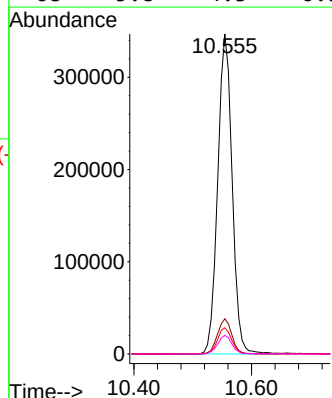
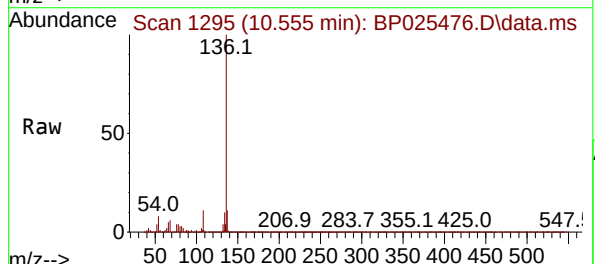
Instrument :
BNA_P
ClientSampleId :
TW-11M-W

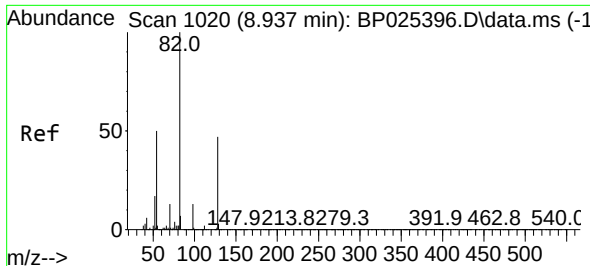
Tgt Ion: 99 Resp: 779784
Ion Ratio Lower Upper
99 100
42 17.3 13.7 20.5
71 34.2 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025476.D
Acq: 19 Aug 2025 14:51

Tgt Ion: 136 Resp: 590183
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 8.2 6.0 9.0
68 5.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 99.121 ng

RT: 8.925 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP025476.D

Acq: 19 Aug 2025 14:51

Instrument :

BNA_P

ClientSampleId :

TW-11M-W

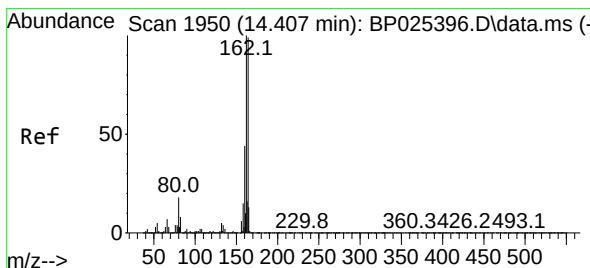
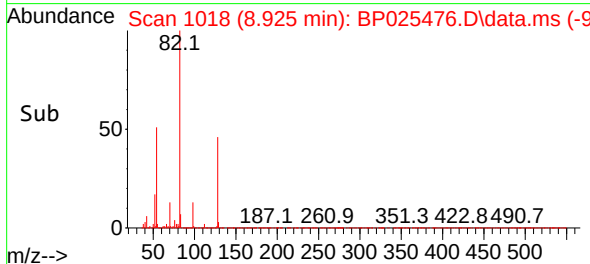
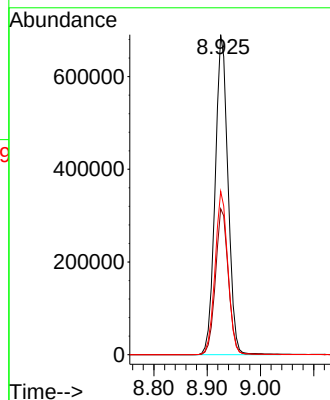
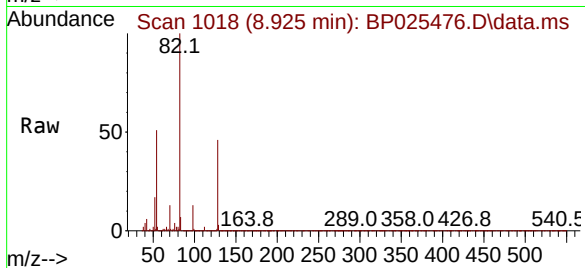
Tgt Ion: 82 Resp: 1156453

Ion Ratio Lower Upper

82 100

128 45.6 37.7 56.5

54 51.1 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP025476.D

Acq: 19 Aug 2025 14:51

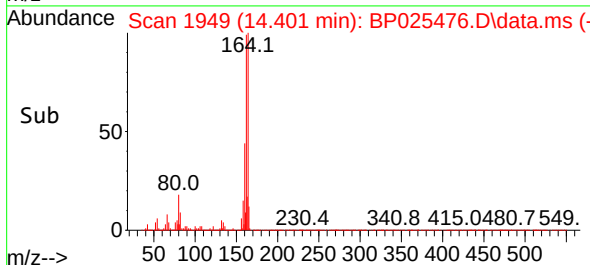
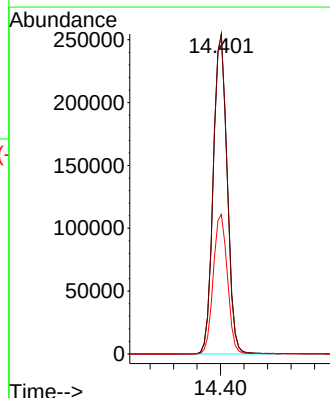
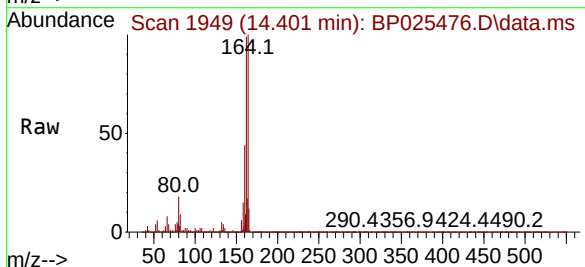
Tgt Ion: 164 Resp: 418235

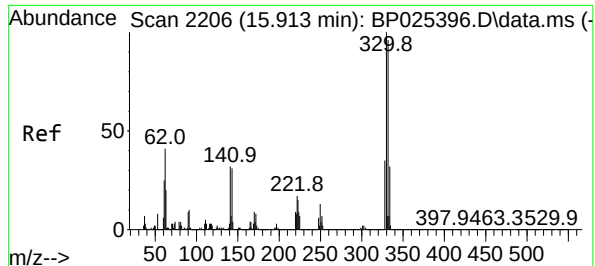
Ion Ratio Lower Upper

164 100

162 99.4 81.0 121.6

160 43.6 35.4 53.2

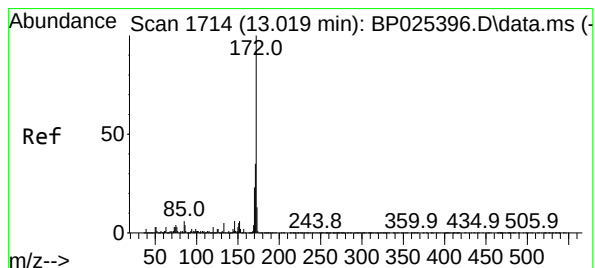
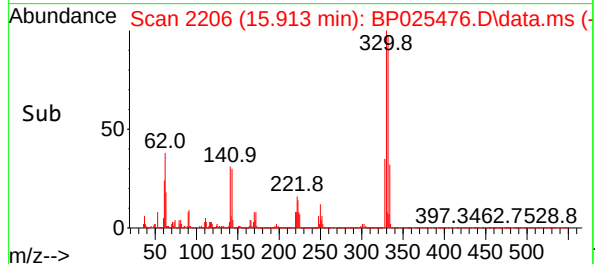
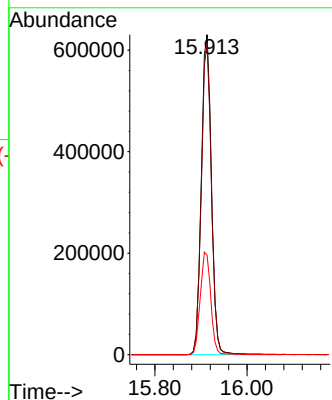
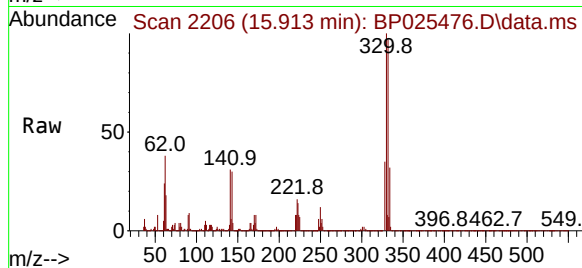




#42
2,4,6-Tribromophenol
Concen: 171.222 ng
RT: 15.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025476.D
Acq: 19 Aug 2025 14:51

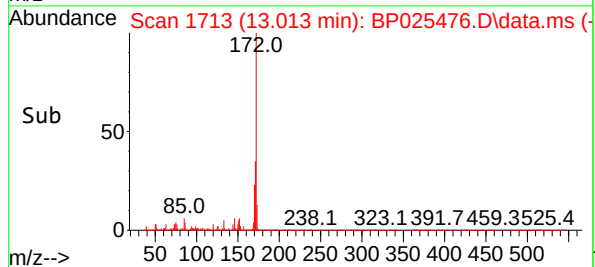
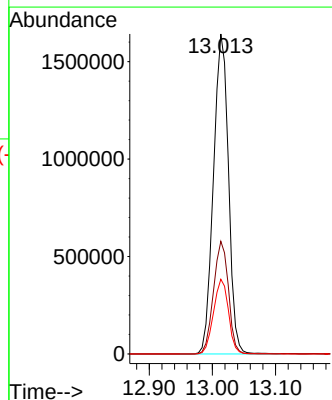
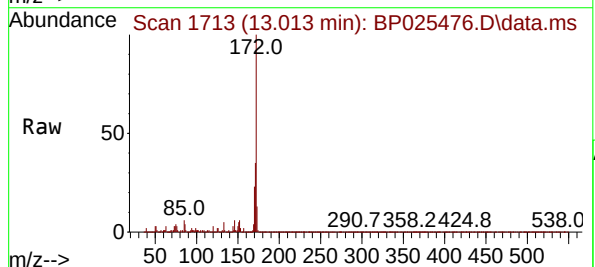
Instrument :
BNA_P
ClientSampleId :
TW-11M-W

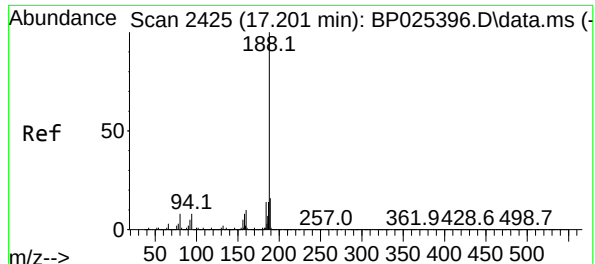
Tgt Ion:330 Resp: 963889
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 33.4 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 88.553 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025476.D
Acq: 19 Aug 2025 14:51

Tgt Ion:172 Resp: 2709907
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.4 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BP025476.D

Acq: 19 Aug 2025 14:51

Instrument :

BNA_P

ClientSampleId :

TW-11M-W

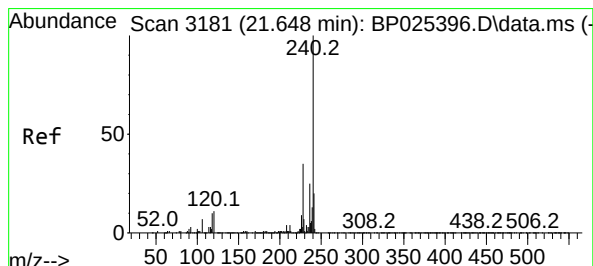
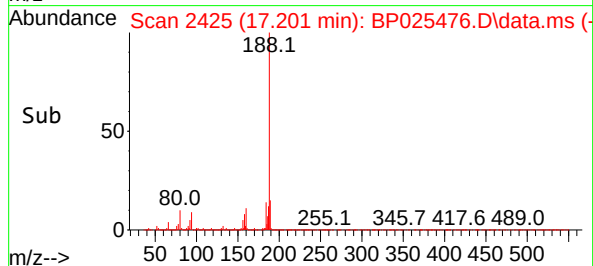
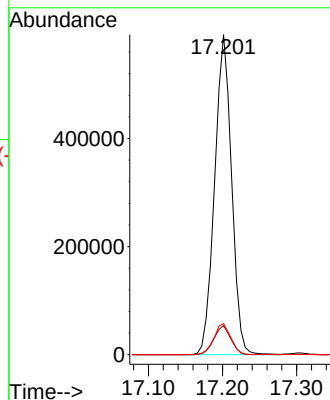
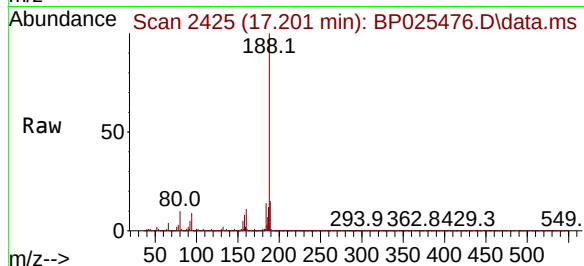
Tgt Ion:188 Resp: 940535

Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.7 6.7 10.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.648 min Scan# 3181

Delta R.T. 0.000 min

Lab File: BP025476.D

Acq: 19 Aug 2025 14:51

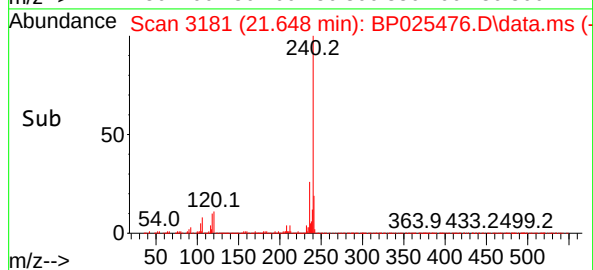
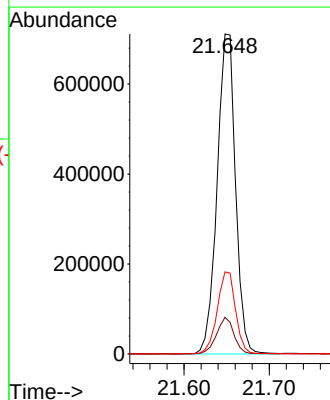
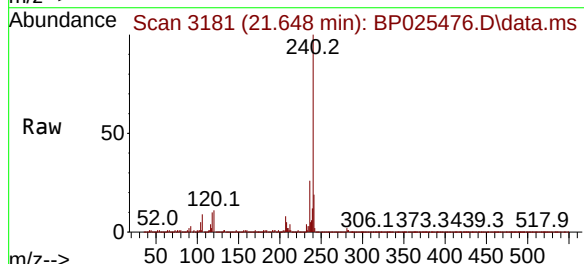
Tgt Ion:240 Resp: 1068313

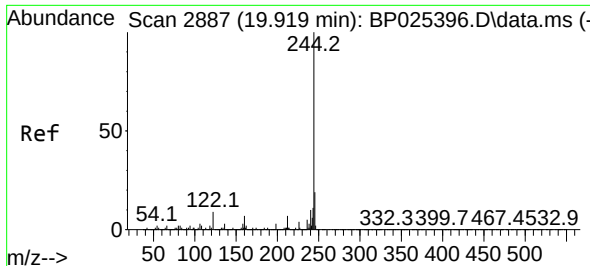
Ion Ratio Lower Upper

240 100

120 11.5 8.9 13.3

236 25.7 19.8 29.8

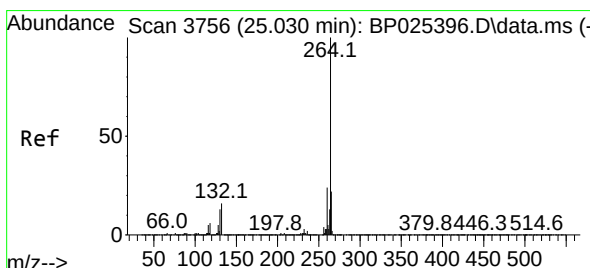
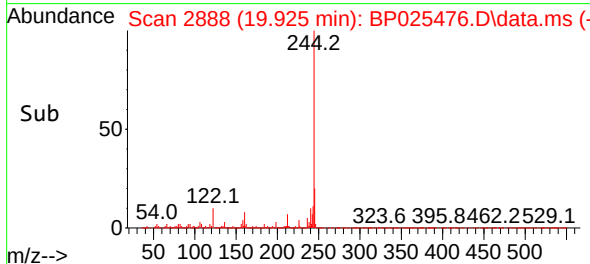
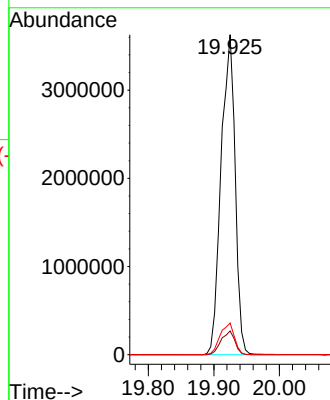
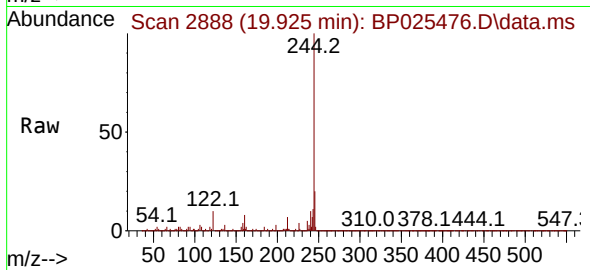




#79
 Terphenyl-d14
 Concen: 92.015 ng
 RT: 19.925 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025476.D
 Acq: 19 Aug 2025 14:51

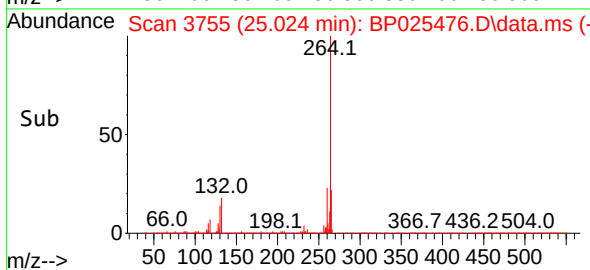
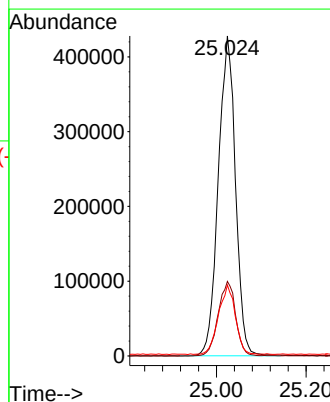
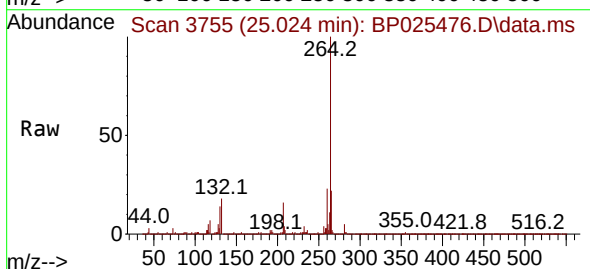
Instrument :
 BNA_P
 ClientSampleId :
 TW-11M-W

Tgt Ion:244 Resp: 5372879
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 9.9 7.4 11.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.024 min Scan# 3755
 Delta R.T. -0.006 min
 Lab File: BP025476.D
 Acq: 19 Aug 2025 14:51

Tgt Ion:264 Resp: 1139629
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.3 28.9
 265 22.1 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025476.D
Acq On : 19 Aug 2025 14:51
Operator : CG/JU
Sample : Q2815-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025476.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	12	17	32	rVB	3249659	3894123	26.78%	6.690%
2	3.455	83	88	100	rVB	1261289	1541151	10.60%	2.647%
3	4.949	336	342	348	rBV2	181693	271932	1.87%	0.467%
4	5.408	412	420	430	rBV	1982185	2862843	19.69%	4.918%
5	6.966	677	685	697	rBV	1358147	2186242	15.03%	3.756%
6	7.790	818	825	833	rBV	538915	860979	5.92%	1.479%
7	8.925	1010	1018	1029	rBV	2026019	3396123	23.35%	5.834%
8	10.555	1286	1295	1311	rBV	702307	1205165	8.29%	2.070%
9	13.013	1705	1713	1730	rBV	4761804	7820577	53.78%	13.435%
10	14.401	1939	1949	1963	rBV	1062358	1770338	12.17%	3.041%
11	15.778	2174	2183	2193	rBV	347200	544860	3.75%	0.936%
12	15.907	2198	2205	2226	rBV	4463226	7173366	49.33%	12.323%
13	17.201	2417	2425	2433	rBV2	1459240	2343614	16.12%	4.026%
14	18.137	2579	2584	2593	rBV	482290	826085	5.68%	1.419%
15	19.472	2806	2811	2818	rBV	92703	158448	1.09%	0.272%
16	19.925	2881	2888	2897	rBV	9871191	14541404	100.00%	24.980%
17	21.319	3120	3125	3134	rBV2	321681	603778	4.15%	1.037%
18	21.648	3175	3181	3189	rBV	1943222	2891069	19.88%	4.966%
19	23.501	3493	3496	3504	rVB	195344	339902	2.34%	0.584%
20	25.024	3747	3755	3768	rVB	1146871	2979598	20.49%	5.119%

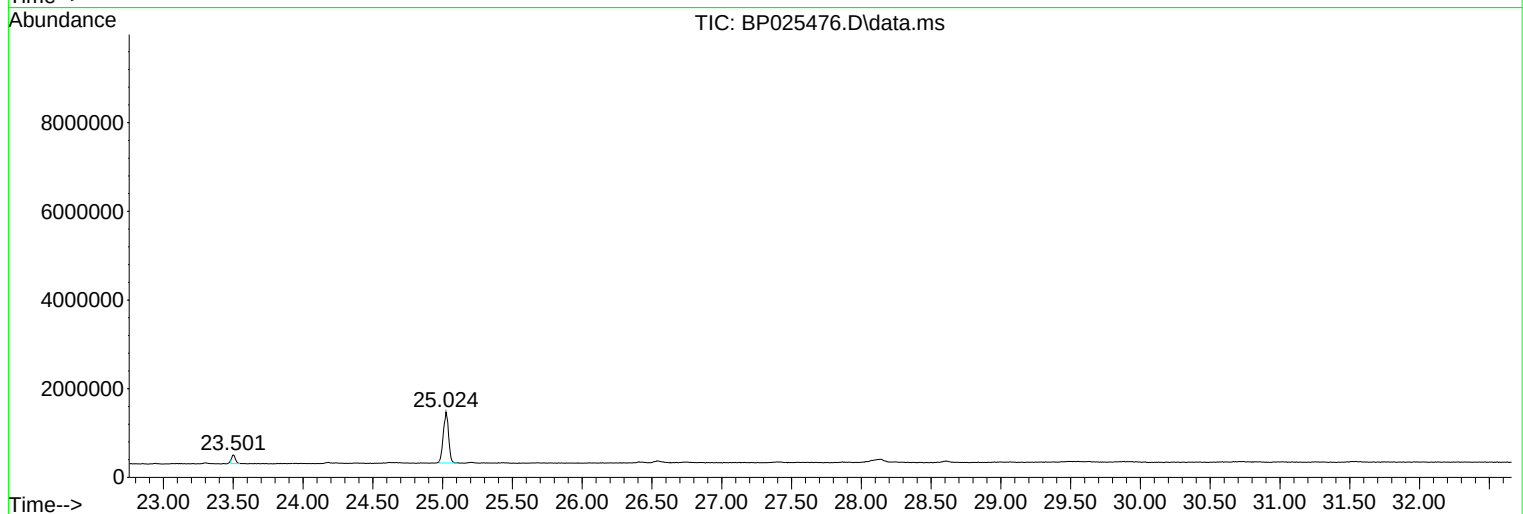
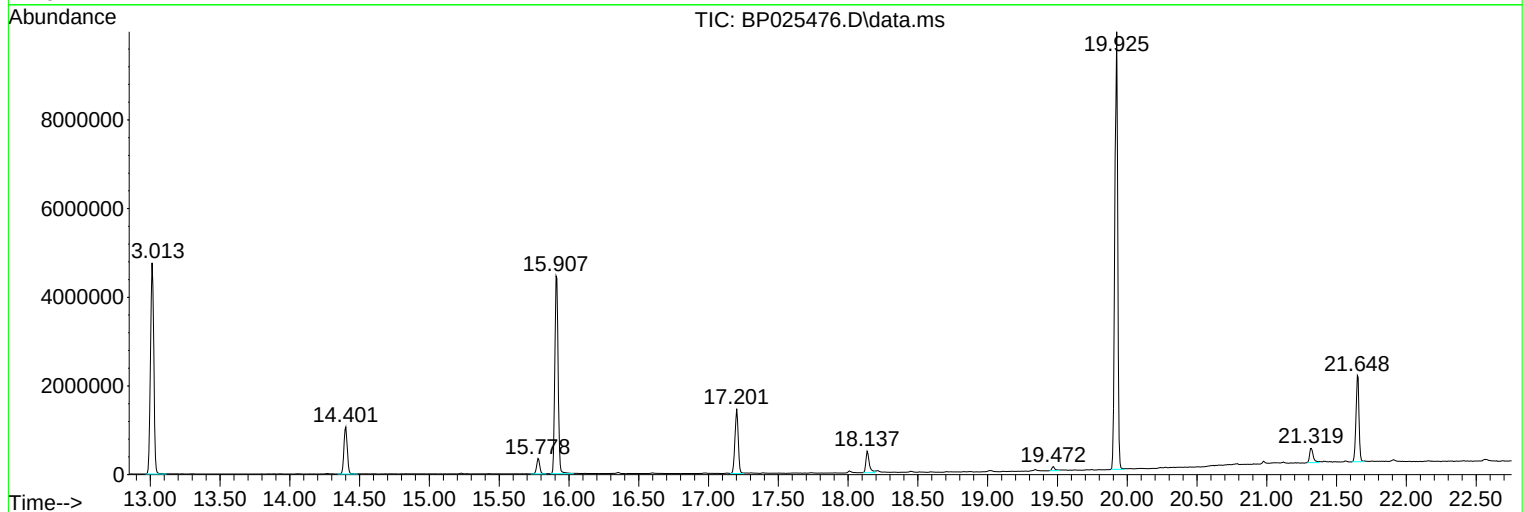
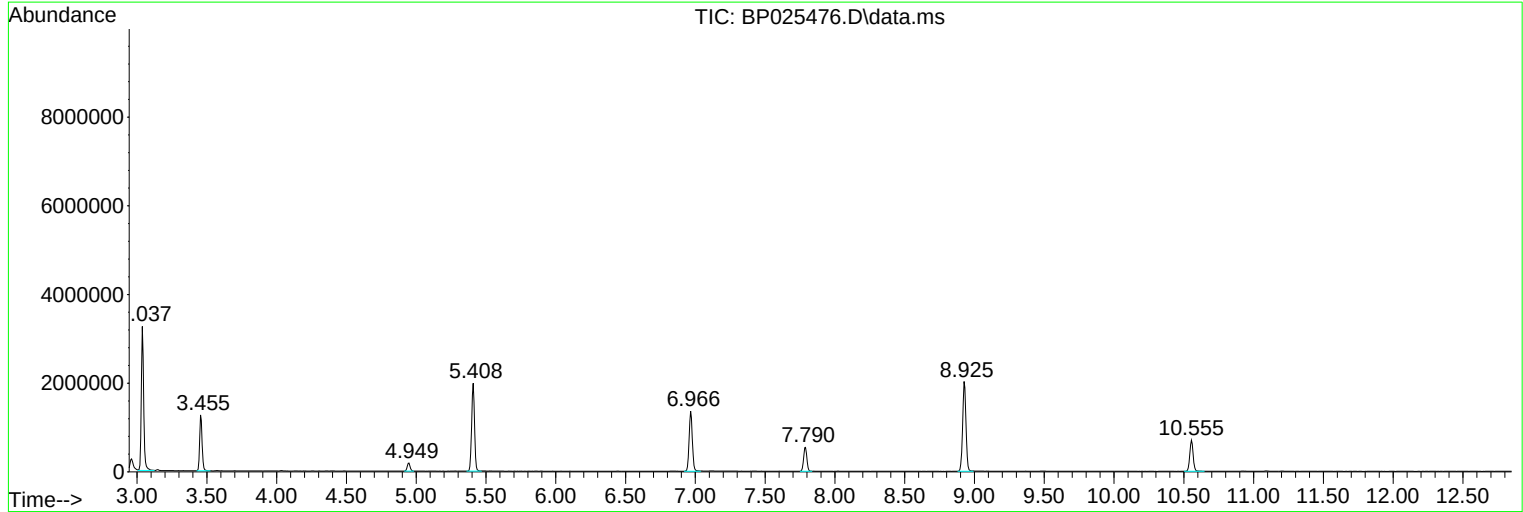
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Acq On : 19 Aug 2025 14:51
Operator : CG/JU
Sample : Q2815-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
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Sample : Q2815-20
Misc :
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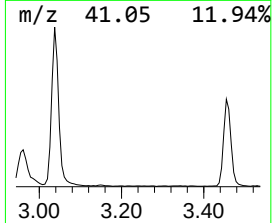
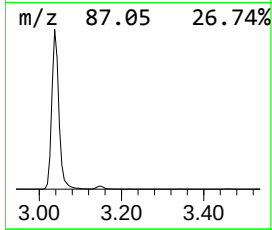
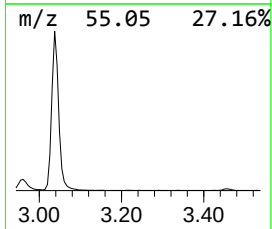
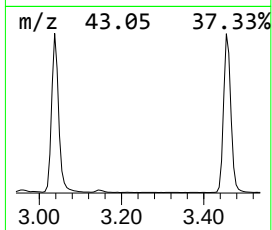
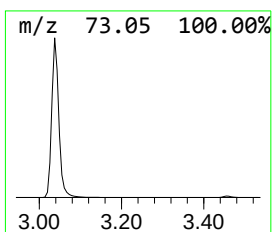
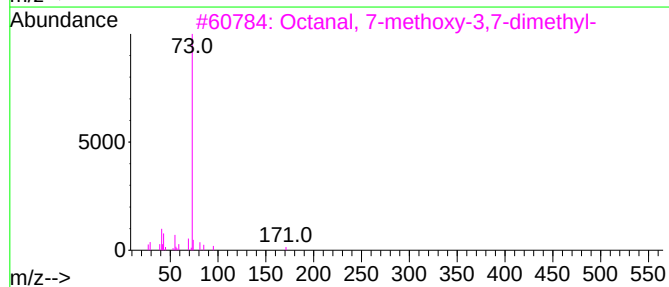
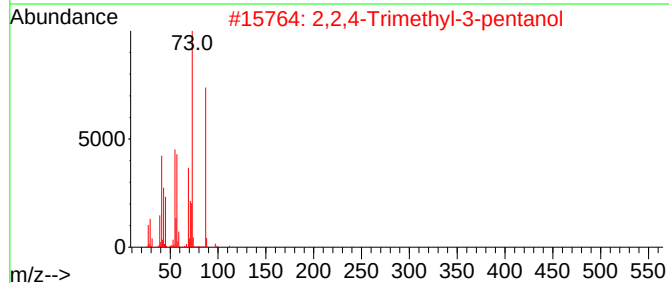
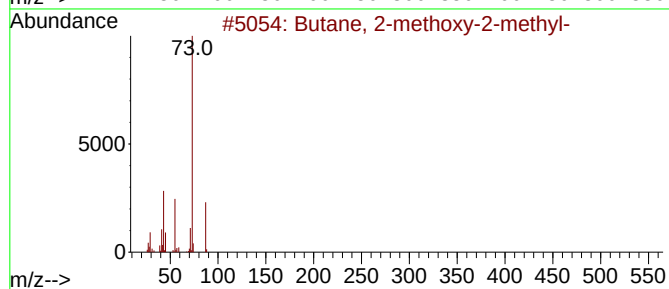
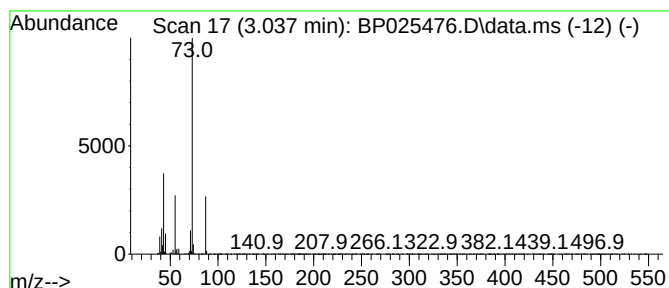
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
3.037	90.46 ng	3894120	1,4-Dichlorobenzene-d4			7.790
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-		102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol		130	C8H18O	005162-48-1	40
3	Octanal, 7-methoxy-3,7-dimethyl-		186	C11H22O2	003613-30-7	23
4	Acetamide, N-ethyl-		87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-		102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025476.D
Acq On : 19 Aug 2025 14:51
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Sample : Q2815-20
Misc :
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Instrument :
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ClientSampleId :
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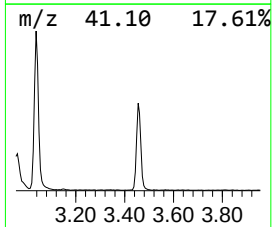
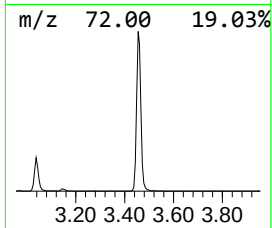
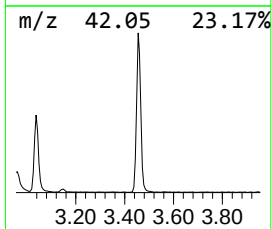
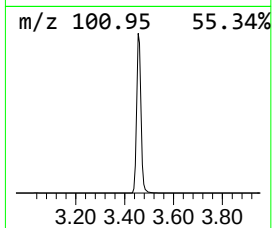
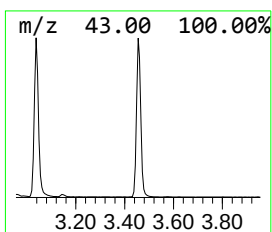
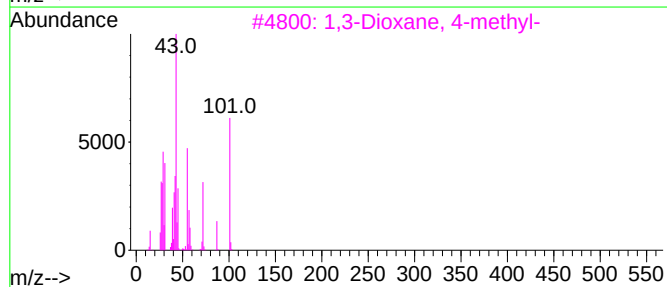
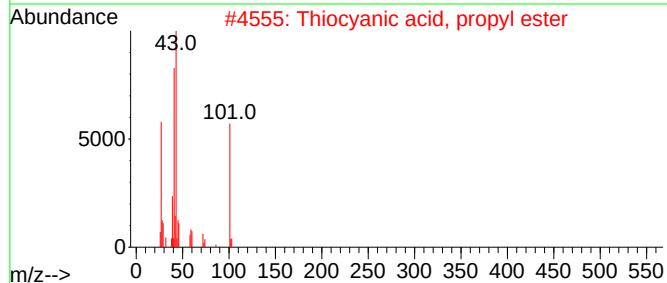
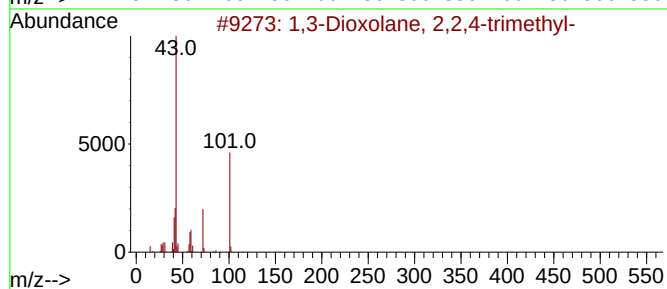
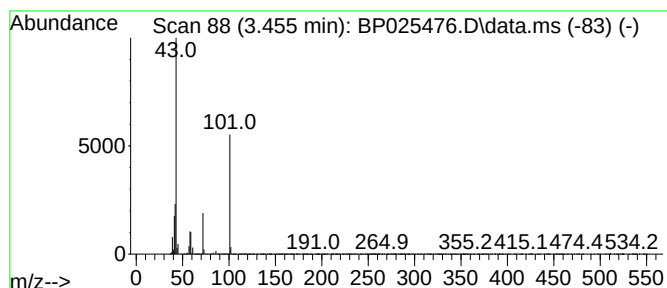
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.455	35.80 ng	1541150	1,4-Dichlorobenzene-d4	7.790

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,3-Dioxolane, 2,2,4-trimethyl-	116	C6H12O2	001193-11-9	90
2		Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	53
3		1,3-Dioxane, 4-methyl-	102	C5H10O2	001120-97-4	50
4		Propane, 1-isothiocyanato-	101	C4H7NS	000628-30-8	50
5		2-Butanone	72	C4H8O	000078-93-3	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025476.D
Acq On : 19 Aug 2025 14:51
Operator : CG/JU
Sample : Q2815-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

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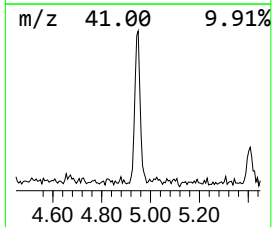
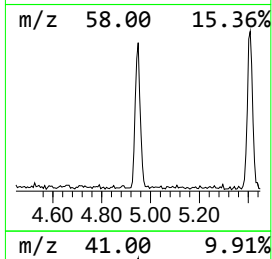
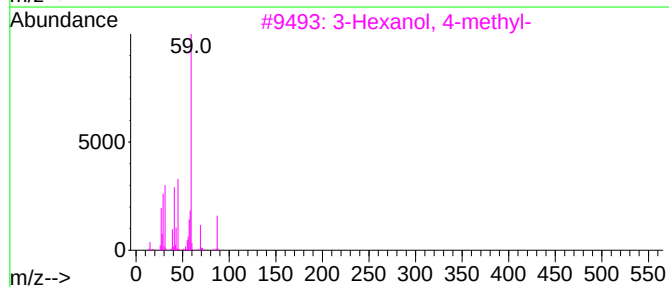
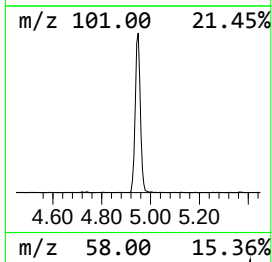
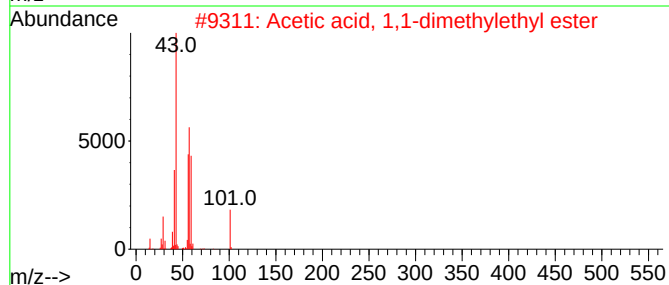
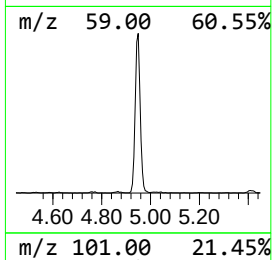
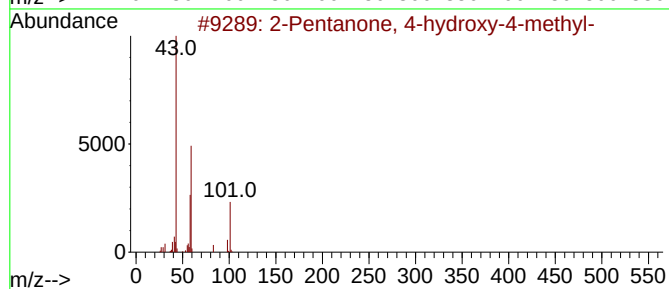
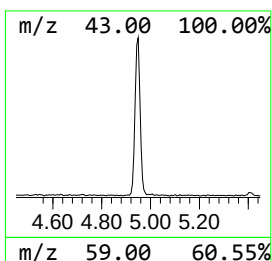
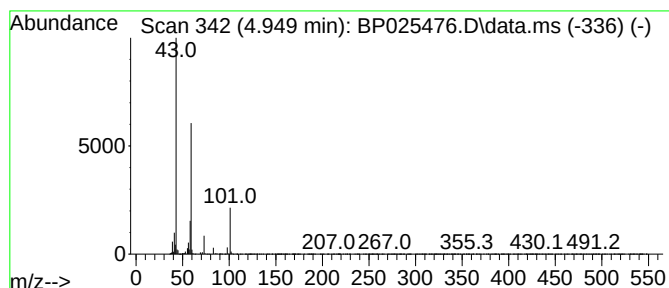
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	6.32 ng	271932	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	23
4			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	23
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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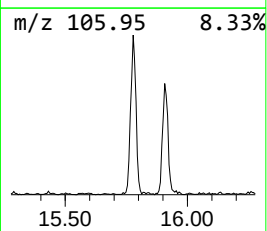
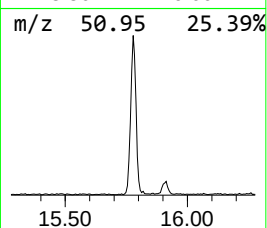
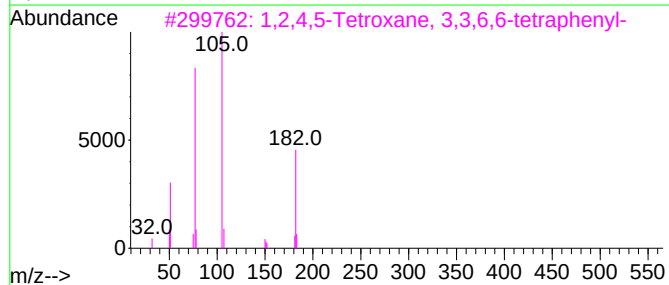
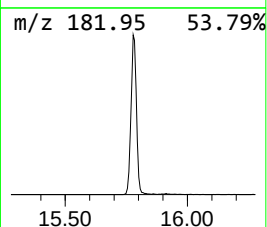
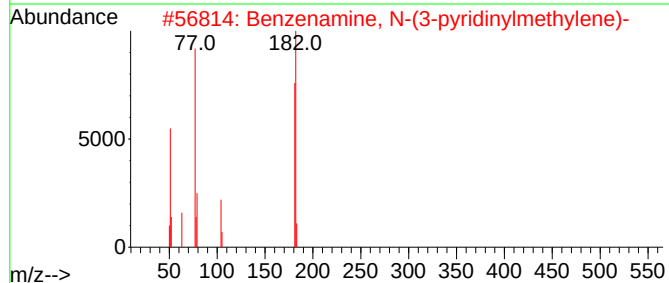
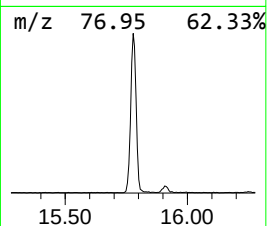
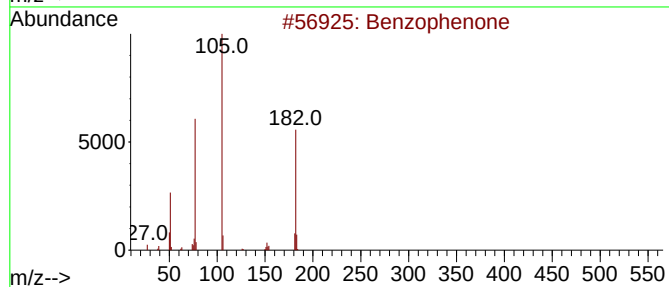
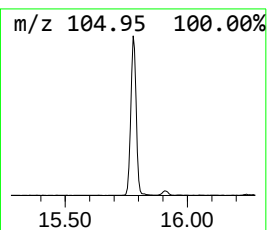
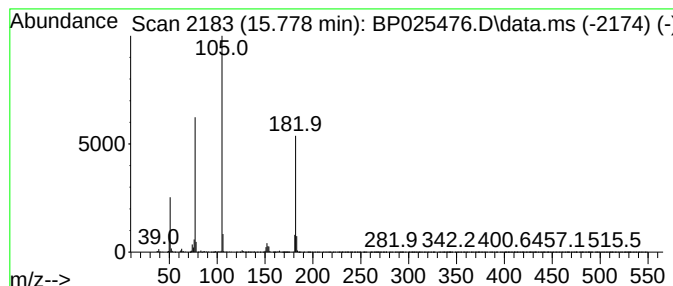
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	6.16 ng	544860	Acenaphthene-d10	14.401

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
3			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	40
4			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	38
5			2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
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ClientSampleId :
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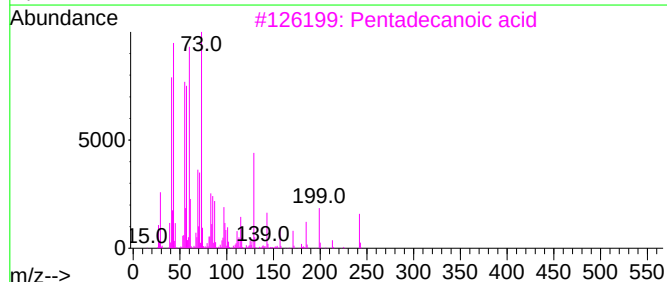
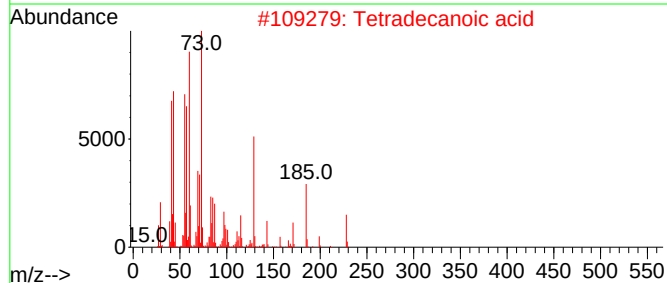
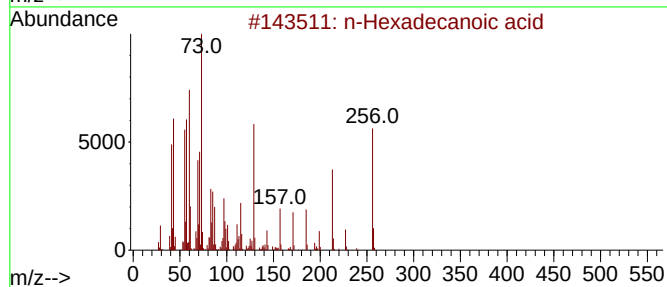
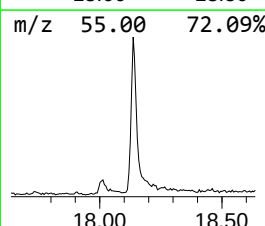
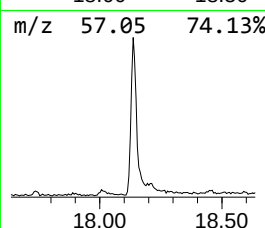
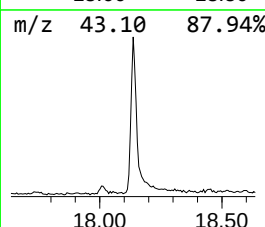
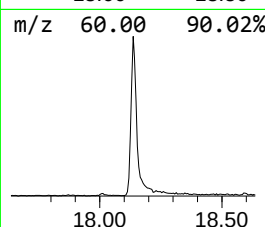
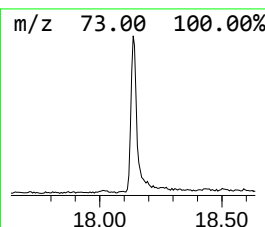
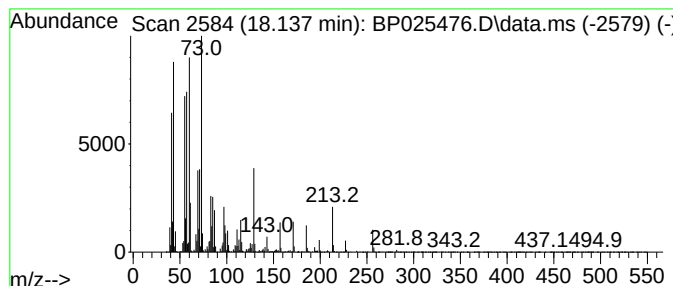
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.137	7.05 ng	826085	Phenanthrene-d10	17.201

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4			Tridecanoic acid	214	C13H26O2	000638-53-9	91
5			n-Decanoic acid	172	C10H20O2	000334-48-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
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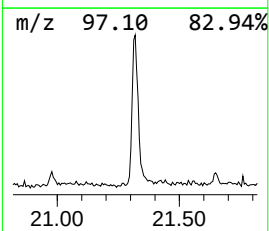
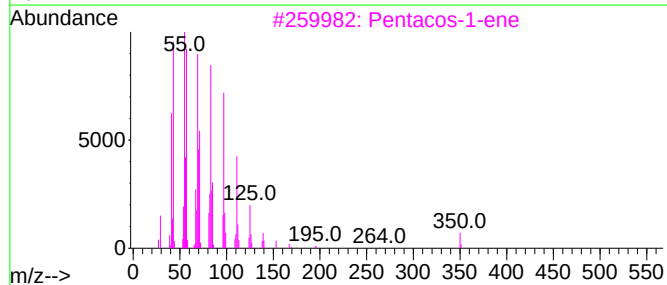
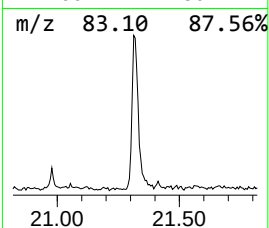
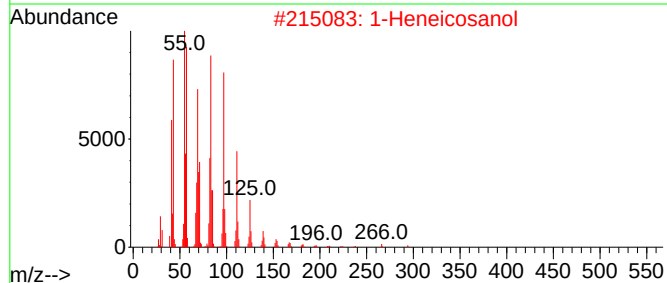
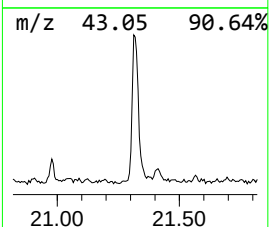
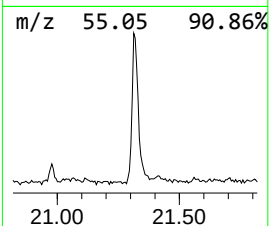
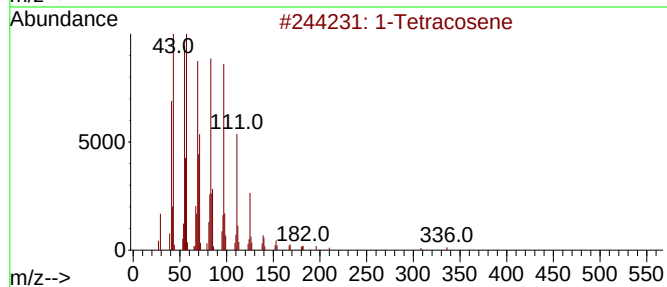
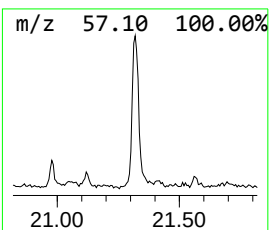
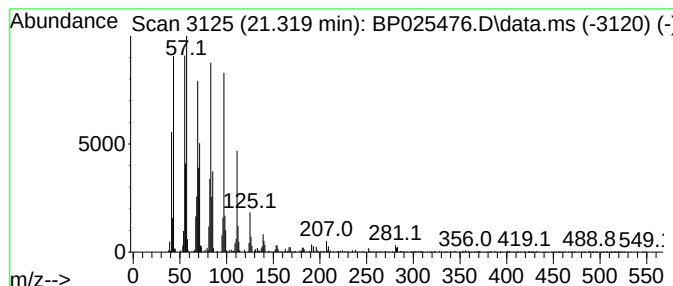
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Tetracosene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.319	4.18 ng	603778	Chrysene-d12	21.648

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Tetracosene	336	C24H48	010192-32-2	95
2			1-Heneicosanol	312	C21H44O	015594-90-8	95
3			Pentacos-1-ene	350	C25H50	016980-85-1	94
4			Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
5			Heptacos-1-ene	378	C27H54	015306-27-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
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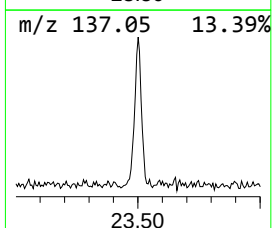
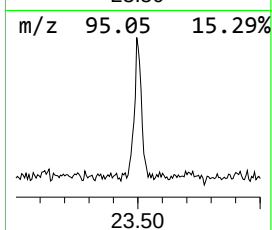
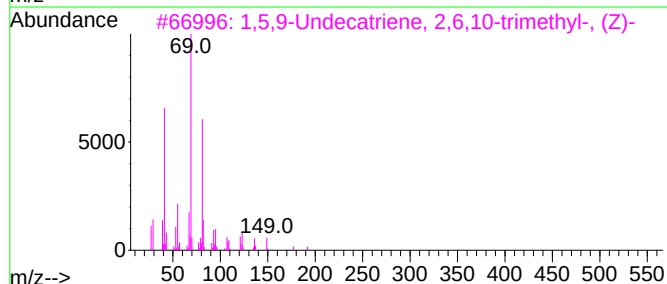
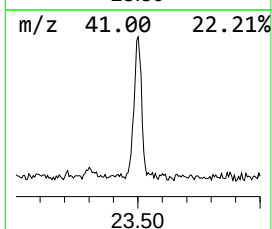
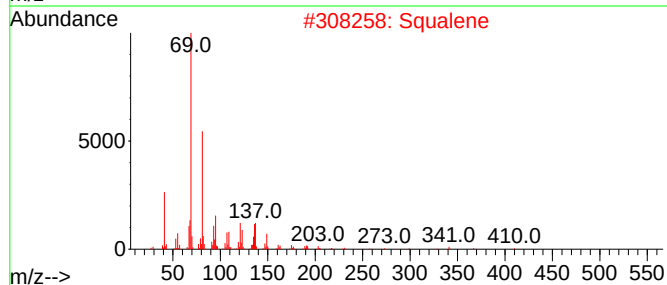
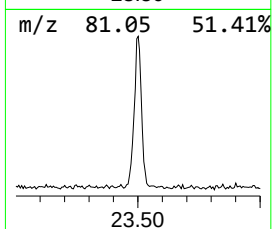
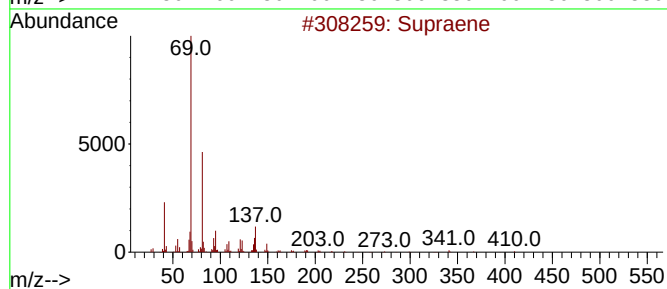
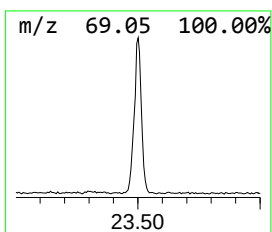
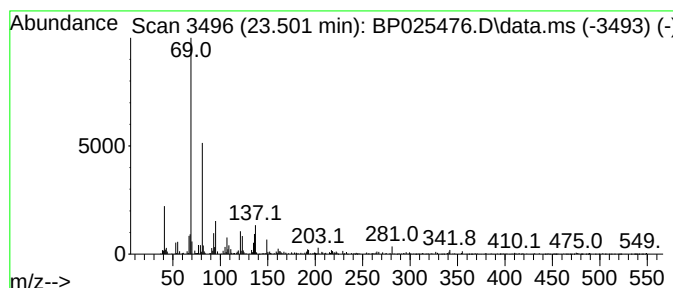
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Supraene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.501	2.28 ng	339902	Perylene-d12	25.024

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Supraene	410	C30H50	007683-64-9	93
2		Squalene	410	C30H50	000111-02-4	81
3		1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	74
4		2,6,10,14-Hexadecatetraenoic aci...	318	C21H34O2	042207-88-5	72
5		(2E,6E,10E)-3,7,11,15-Tetramethy...	318	C21H34O2	125456-63-5	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025476.D
Acq On : 19 Aug 2025 14:51
Operator : CG/JU
Sample : Q2815-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	90.5	ng	3894120	1	7.790	860979	20.0
1,3-Dioxolane, ...	3.455	35.8	ng	1541150	1	7.790	860979	20.0
2-Pentanone, 4-...	4.949	6.3	ng	271932	1	7.790	860979	20.0
Benzophenone	15.778	6.2	ng	544860	3	14.401	1770340	20.0
n-Hexadecanoic ...	18.137	7.0	ng	826085	4	17.201	2343610	20.0
1-Tetracosene	21.319	4.2	ng	603778	5	21.648	2891070	20.0
Supraene	23.501	2.3	ng	339902	6	25.024	2979600	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-21	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025477.D	1	08/14/25 09:15	08/19/25 15:32	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-21	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025477.D	1	08/14/25 09:15	08/19/25 15:32	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-21	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025477.D	1	08/14/25 09:15	08/19/25 15:32	PB169244

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

SURROGATES

367-12-4	2-Fluorophenol	91.5		19 - 119		61%	SPK: 150
13127-88-3	Phenol-d6	66.4		10 - 130		44%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.5		44 - 120		95%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.5		44 - 119		87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		43 - 140		106%	SPK: 150
1718-51-0	Terphenyl-d14	89.3		50 - 134		89%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	173000	7.79				
1146-65-2	Naphthalene-d8	696000	10.554				
15067-26-2	Acenaphthene-d10	476000	14.401				
1517-22-2	Phenanthrene-d10	1010000	17.207				
1719-03-5	Chrysene-d12	1100000	21.642				
1520-96-3	Perylene-d12	1200000	25.012				

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	90.4	J			3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.70	AB			4.94	ug/L
000119-61-9	Benzophenone	3.70	J			15.8	ug/L
1000336-66-8	6-Octadecenoic acid	2.70	J			18.0	ug/L
000057-10-3	n-Hexadecanoic acid	10.2	J			18.1	ug/L
000297-03-0	Cyclotetrasiloxane	3.50	J			21.3	ug/L
000111-02-4	Squalene	5.70	J			23.5	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-E	SDG No.:	Q2815
Lab Sample ID:	Q2815-21	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
Prep Method :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025477.D	1	08/14/25 09:15	08/19/25 15:32	PB169244

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

Quant Time: Aug 19 16:02:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	173452	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	695938	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	476134	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	1011823	20.000	ng	0.00
76) Chrysene-d12	21.642	240	1102096	20.000	ng	0.00
86) Perylene-d12	25.012	264	1196382	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	955286	91.463	ng	0.00
7) Phenol-d6	6.966	99	888836	66.377	ng	0.00
23) Nitrobenzene-d5	8.931	82	1300395	94.522	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	1022102	159.484	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	3014307	86.522	ng	0.00
79) Terphenyl-d14	19.919	244	5382135	89.348	ng	0.00

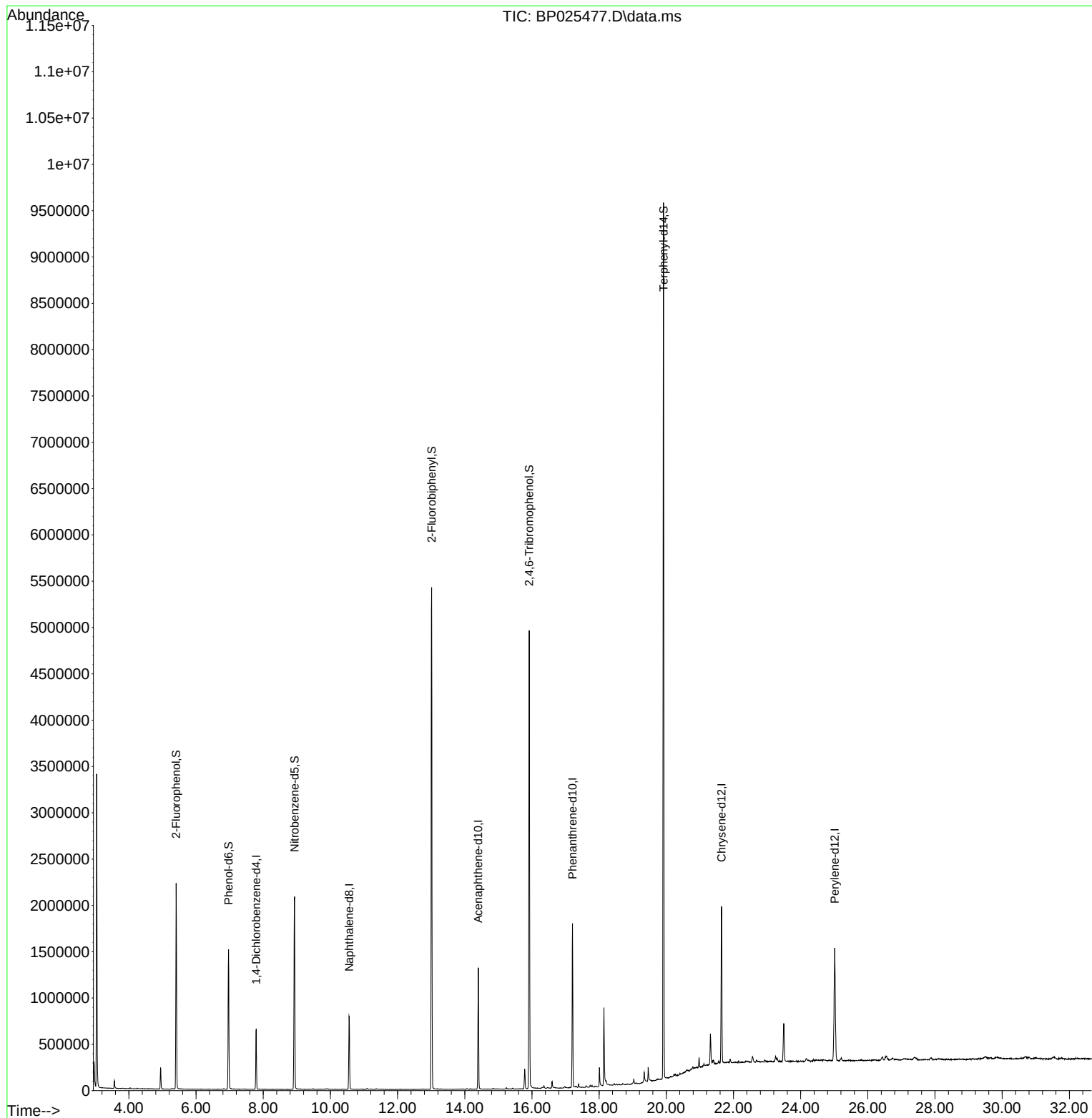
Target Compounds	Qvalue
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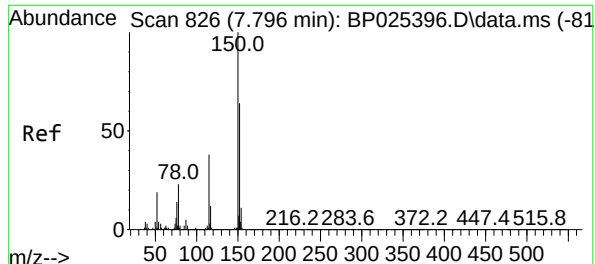
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

Quant Time: Aug 19 16:02:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

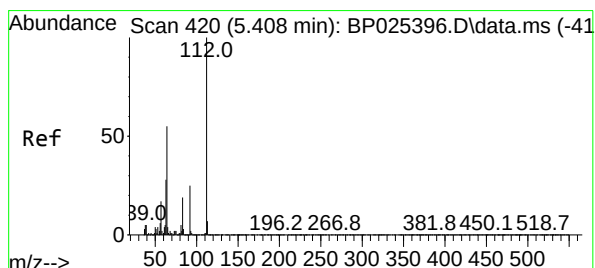
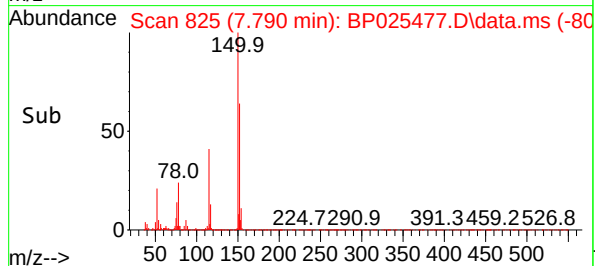
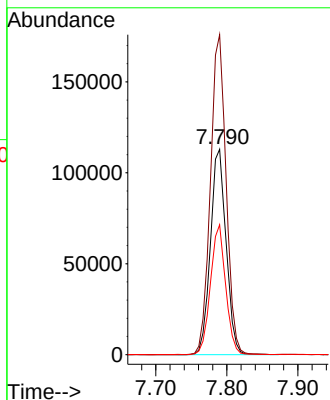
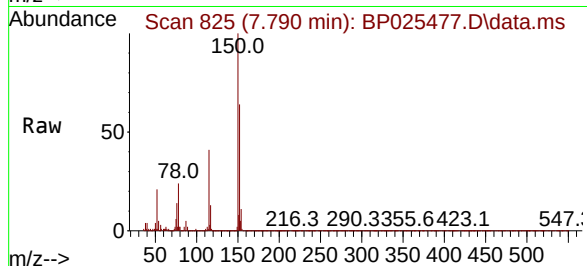




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025477.D
Acq: 19 Aug 2025 15:32

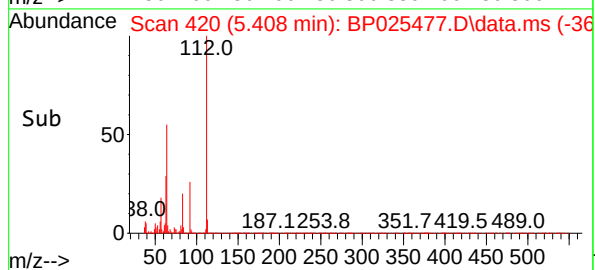
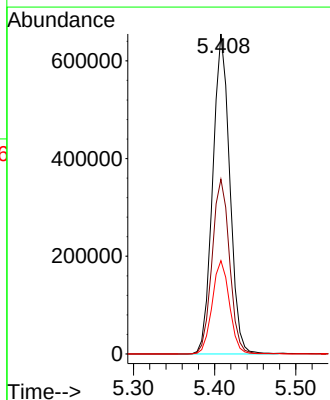
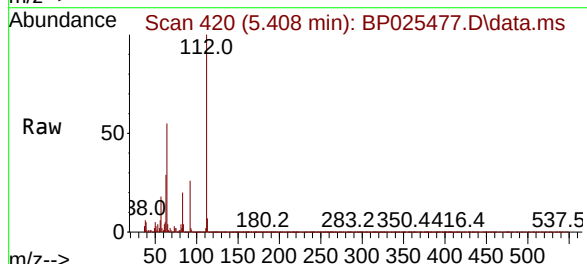
Instrument :
BNA_P
ClientSampleId :
TW-11M-E

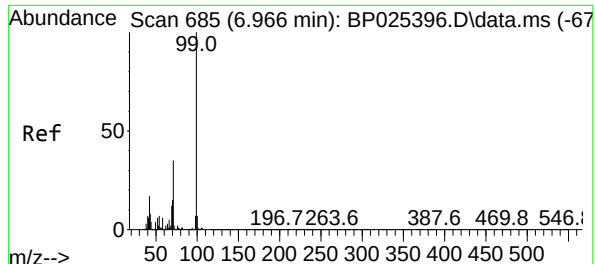
Tgt Ion:152 Resp: 173452
Ion Ratio Lower Upper
152 100
150 155.8 125.9 188.9
115 63.2 48.5 72.7



#5
2-Fluorophenol
Concen: 91.463 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025477.D
Acq: 19 Aug 2025 15:32

Tgt Ion:112 Resp: 955286
Ion Ratio Lower Upper
112 100
64 54.6 43.8 65.8
63 29.2 22.7 34.1

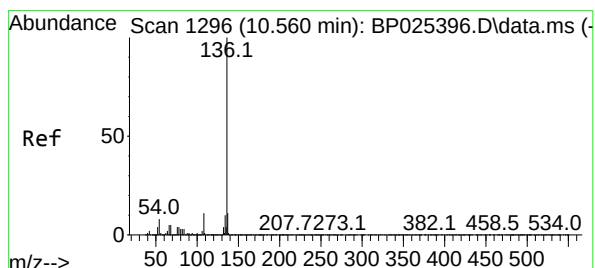
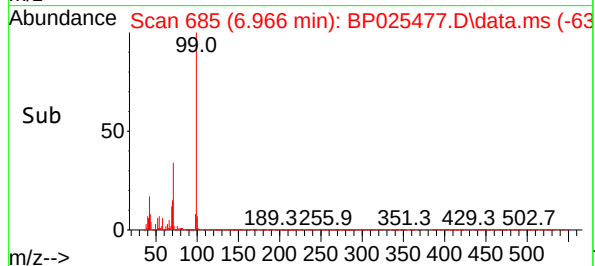
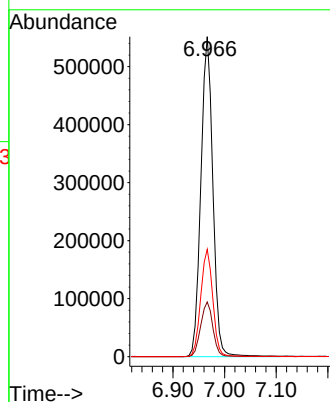
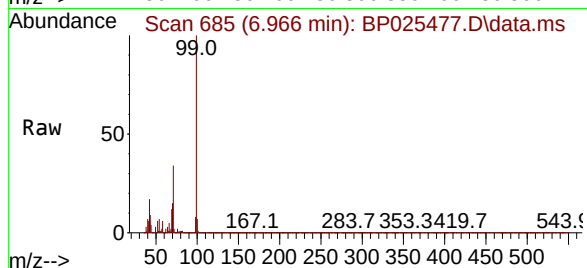




#7
Phenol-d6
Concen: 66.377 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025477.D
Acq: 19 Aug 2025 15:32

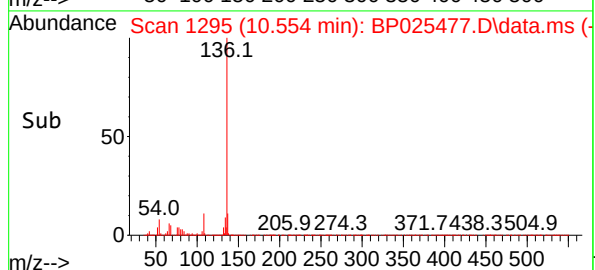
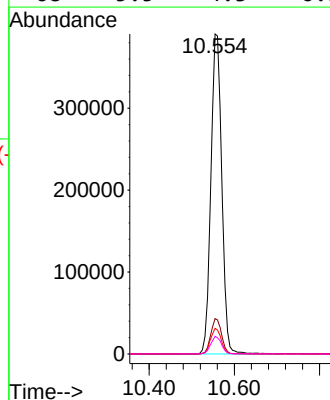
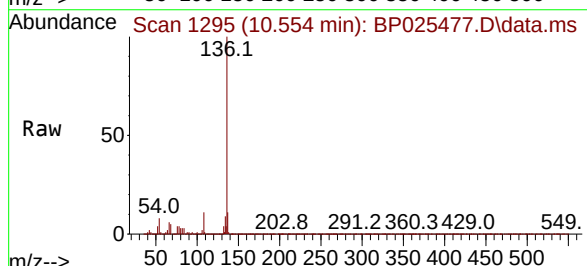
Instrument :
BNA_P
ClientSampleId :
TW-11M-E

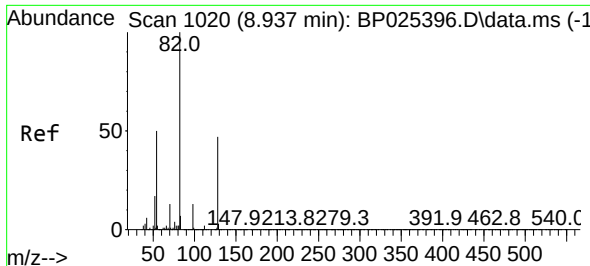
Tgt Ion: 99 Resp: 888836
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 33.6 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025477.D
Acq: 19 Aug 2025 15:32

Tgt Ion: 136 Resp: 695938
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 8.0 6.0 9.0
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 94.522 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025477.D

Acq: 19 Aug 2025 15:32

Instrument :

BNA_P

ClientSampleId :

TW-11M-E

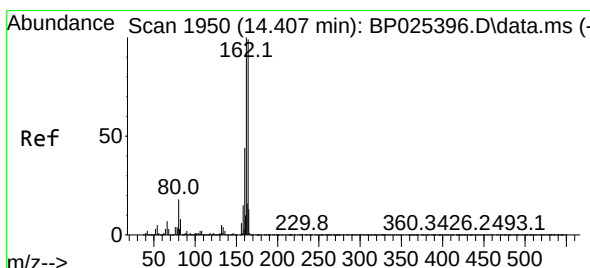
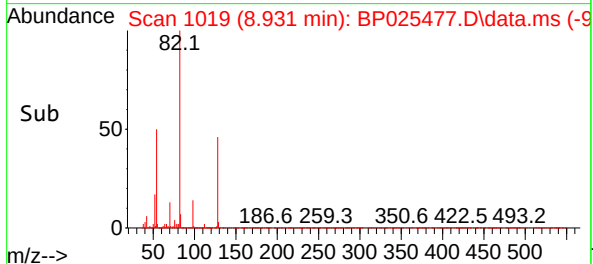
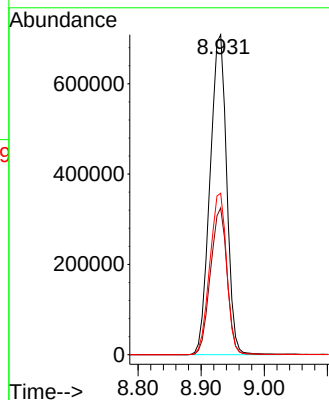
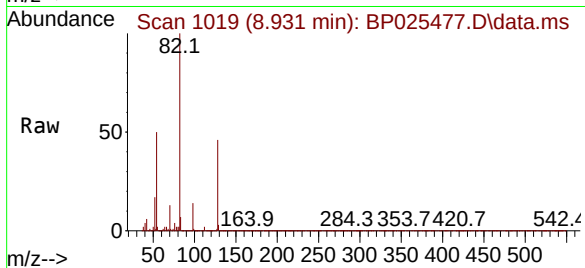
Tgt Ion: 82 Resp: 1300395

Ion Ratio Lower Upper

82 100

128 45.8 37.7 56.5

54 50.5 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP025477.D

Acq: 19 Aug 2025 15:32

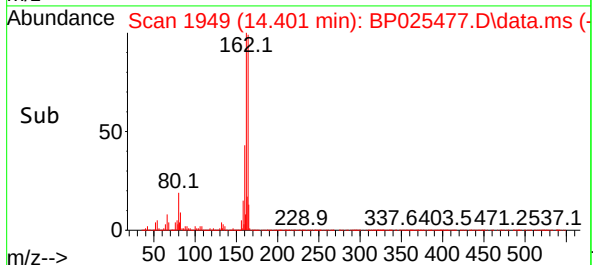
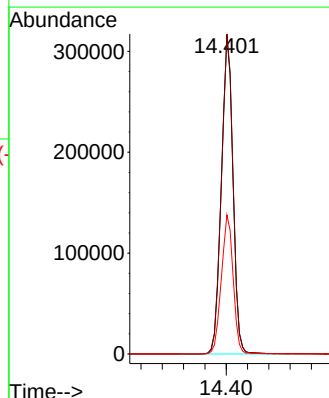
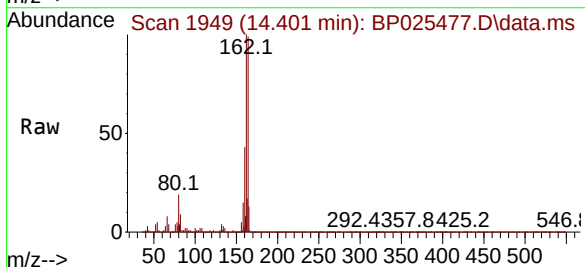
Tgt Ion: 164 Resp: 476134

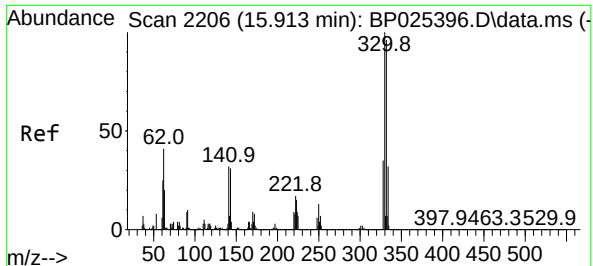
Ion Ratio Lower Upper

164 100

162 100.8 81.0 121.6

160 43.8 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 159.484 ng

RT: 15.919 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025477.D

Acq: 19 Aug 2025 15:32

Instrument :

BNA_P

ClientSampleId :

TW-11M-E

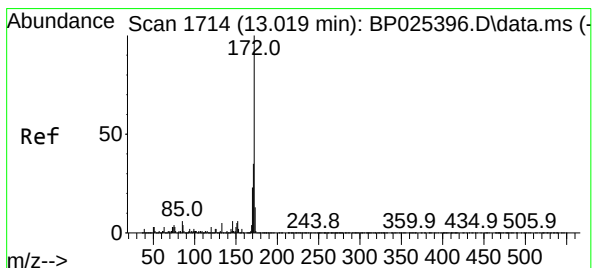
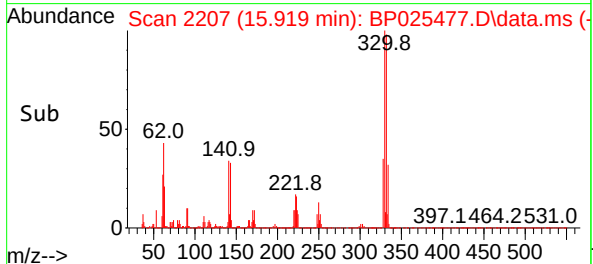
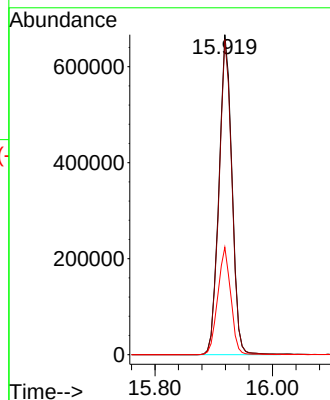
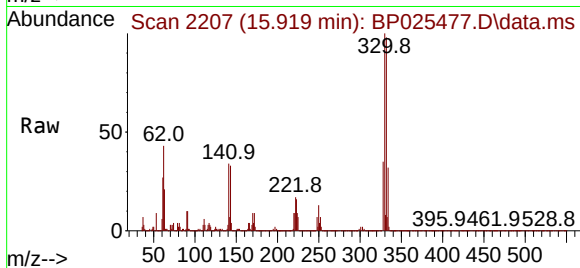
Tgt Ion:330 Resp: 1022102

Ion Ratio Lower Upper

330 100

332 97.8 77.3 115.9

141 33.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 86.522 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025477.D

Acq: 19 Aug 2025 15:32

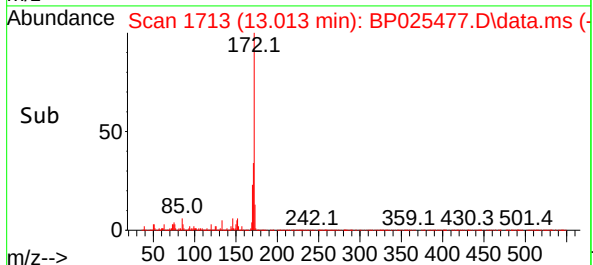
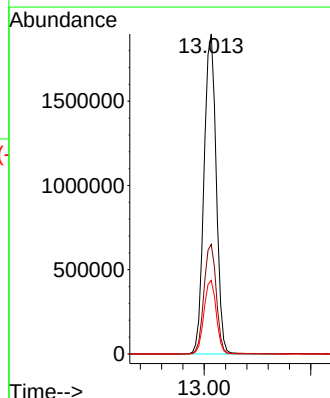
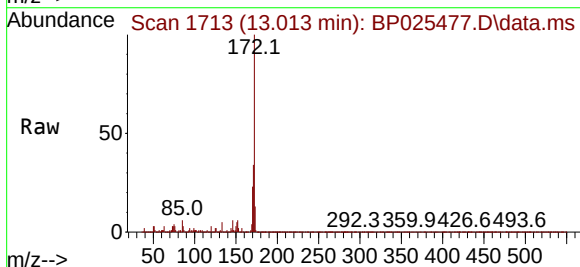
Tgt Ion:172 Resp: 3014307

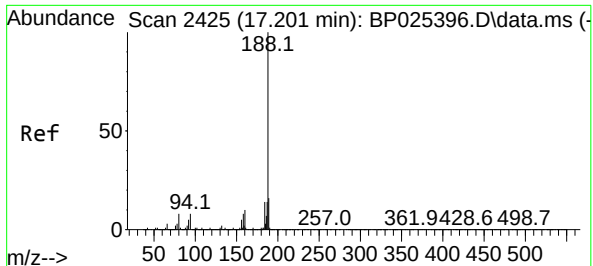
Ion Ratio Lower Upper

172 100

171 34.3 28.1 42.1

170 23.0 18.6 28.0

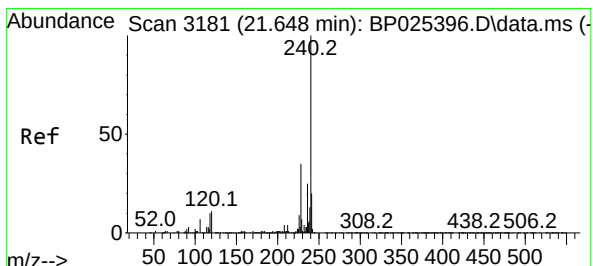
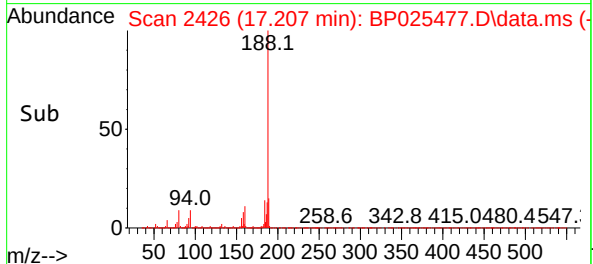
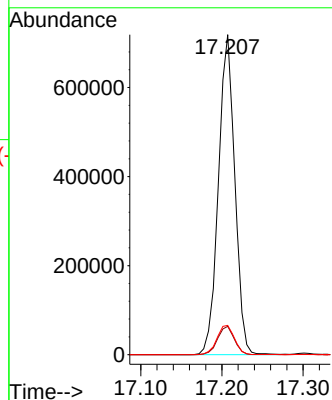
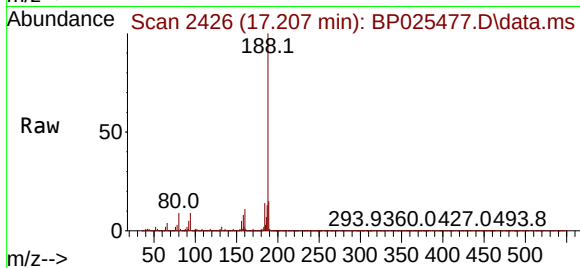




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP025477.D
Acq: 19 Aug 2025 15:32

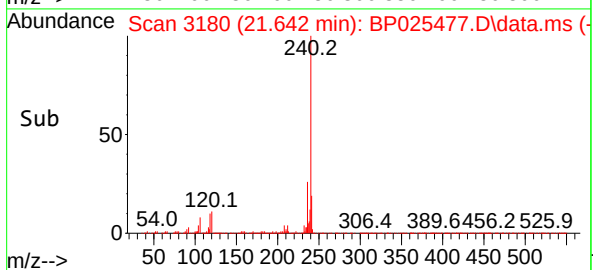
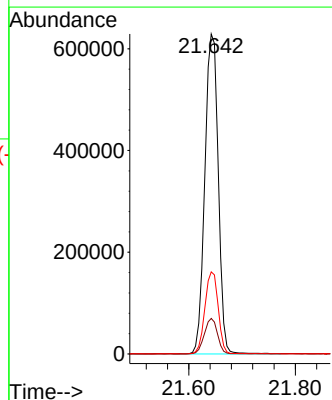
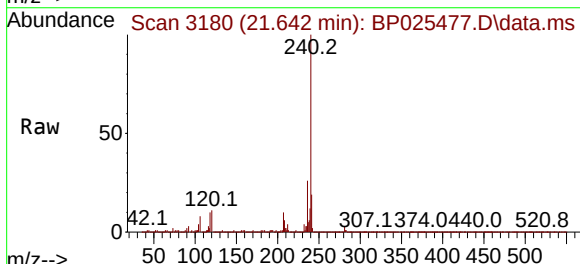
Instrument :
BNA_P
ClientSampleId :
TW-11M-E

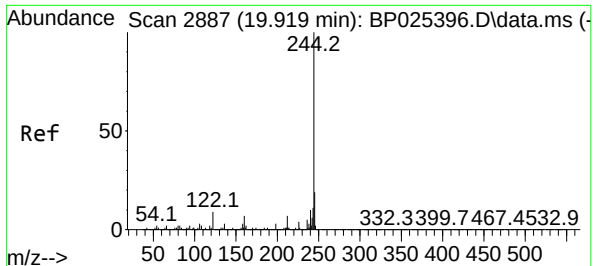
Tgt Ion:188 Resp: 1011823
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.1 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025477.D
Acq: 19 Aug 2025 15:32

Tgt Ion:240 Resp: 1102096
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 25.6 19.8 29.8

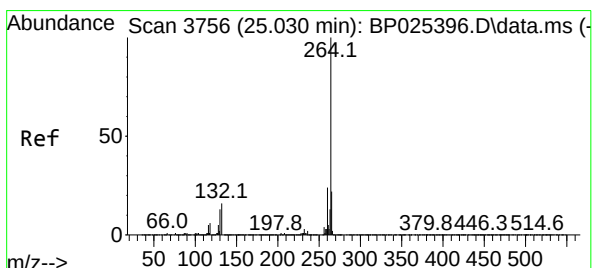
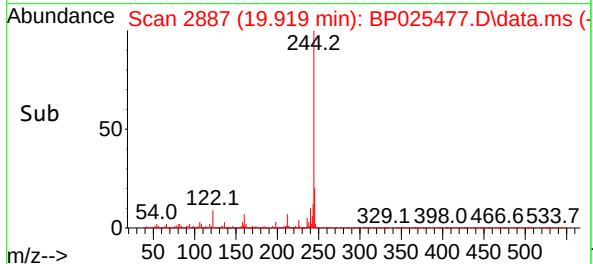
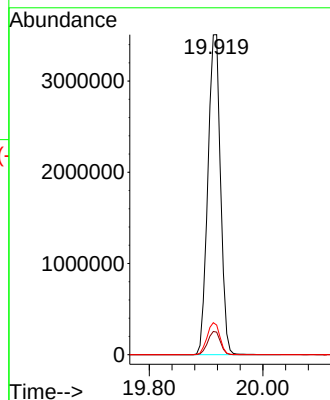
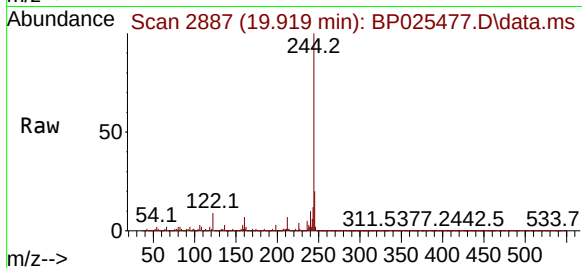




#79
 Terphenyl-d14
 Concen: 89.348 ng
 RT: 19.919 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP025477.D
 Acq: 19 Aug 2025 15:32

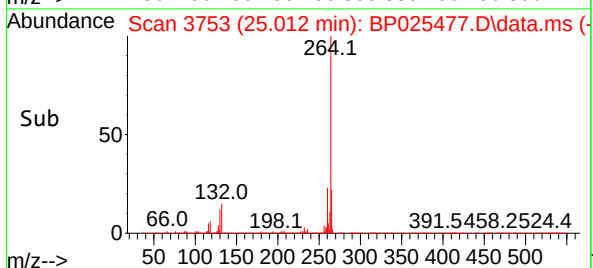
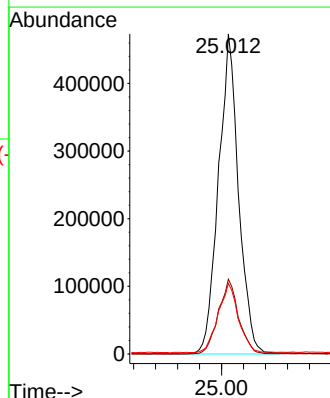
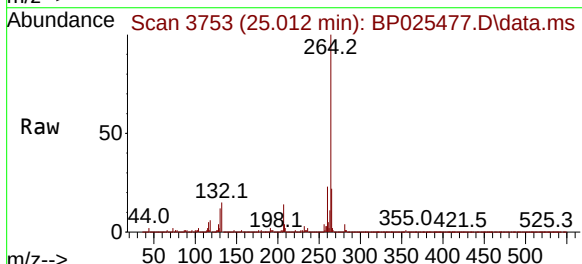
Instrument :
 BNA_P
 ClientSampleId :
 TW-11M-E

Tgt Ion:244 Resp: 5382135
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 9.3 7.4 11.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.012 min Scan# 3753
 Delta R.T. -0.018 min
 Lab File: BP025477.D
 Acq: 19 Aug 2025 15:32

Tgt Ion:264 Resp: 1196382
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.3 28.9
 265 22.0 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025477.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	13	17	33	rVB	3386410	4543674	31.24%	7.333%
2	4.943	335	341	350	rBV2	230644	334981	2.30%	0.541%
3	5.408	413	420	431	rBV	2221527	3260067	22.41%	5.261%
4	6.966	677	685	698	rBV	1510120	2466690	16.96%	3.981%
5	7.790	818	825	833	rBV	652887	1004923	6.91%	1.622%
6	8.931	1006	1019	1035	rBV	2081466	3857461	26.52%	6.225%
7	10.554	1288	1295	1309	rBV	788625	1393902	9.58%	2.250%
8	13.013	1704	1713	1730	rBV	5418955	8677831	59.66%	14.005%
9	14.401	1941	1949	1957	rBV	1312096	1999396	13.75%	3.227%
10	15.784	2176	2184	2193	rBV	214661	366995	2.52%	0.592%
11	15.919	2198	2207	2227	rBV	4948747	7698942	52.93%	12.425%
12	17.207	2417	2426	2432	rBV	1772036	2528033	17.38%	4.080%
13	18.007	2558	2562	2579	rBV	205274	335713	2.31%	0.542%
14	18.142	2579	2585	2595	rBV	841679	1294193	8.90%	2.089%
15	19.460	2805	2809	2818	rBV2	150948	229210	1.58%	0.370%
16	19.913	2880	2886	2898	rBV	9460131	14546042	100.00%	23.476%
17	21.313	3120	3124	3132	rBV2	314829	504591	3.47%	0.814%
18	21.642	3174	3180	3189	rBV2	1683292	2920982	20.08%	4.714%
19	23.495	3489	3495	3507	rVB	408531	884041	6.08%	1.427%
20	25.012	3744	3753	3766	rVB2	1212911	3114613	21.41%	5.027%

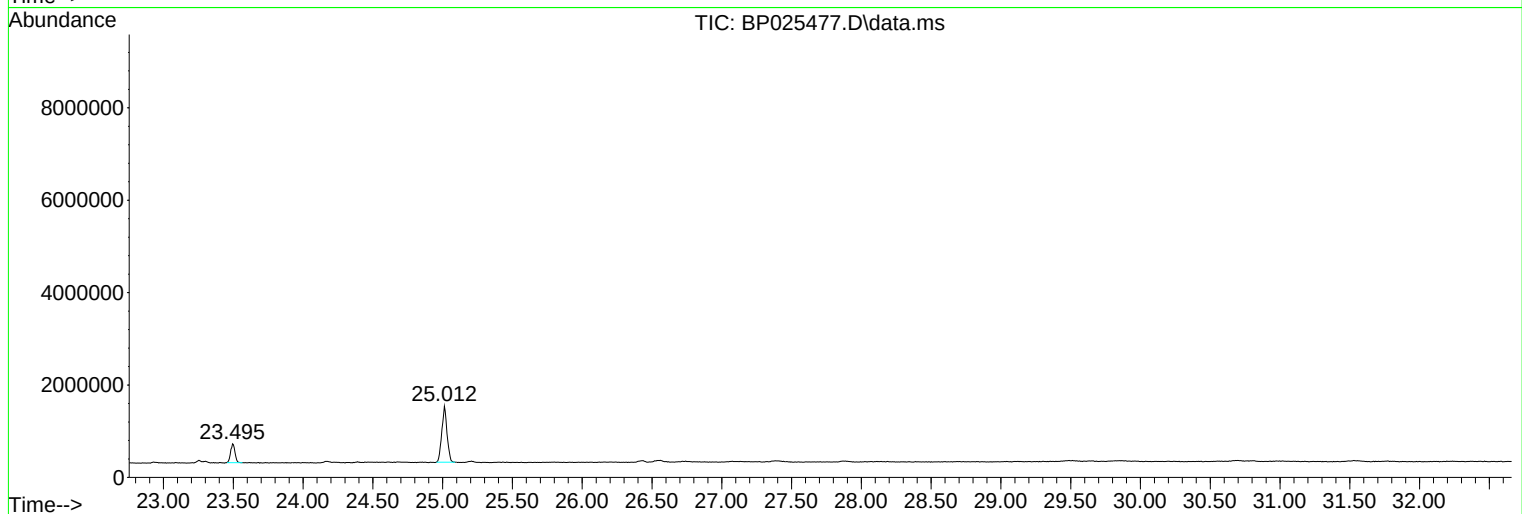
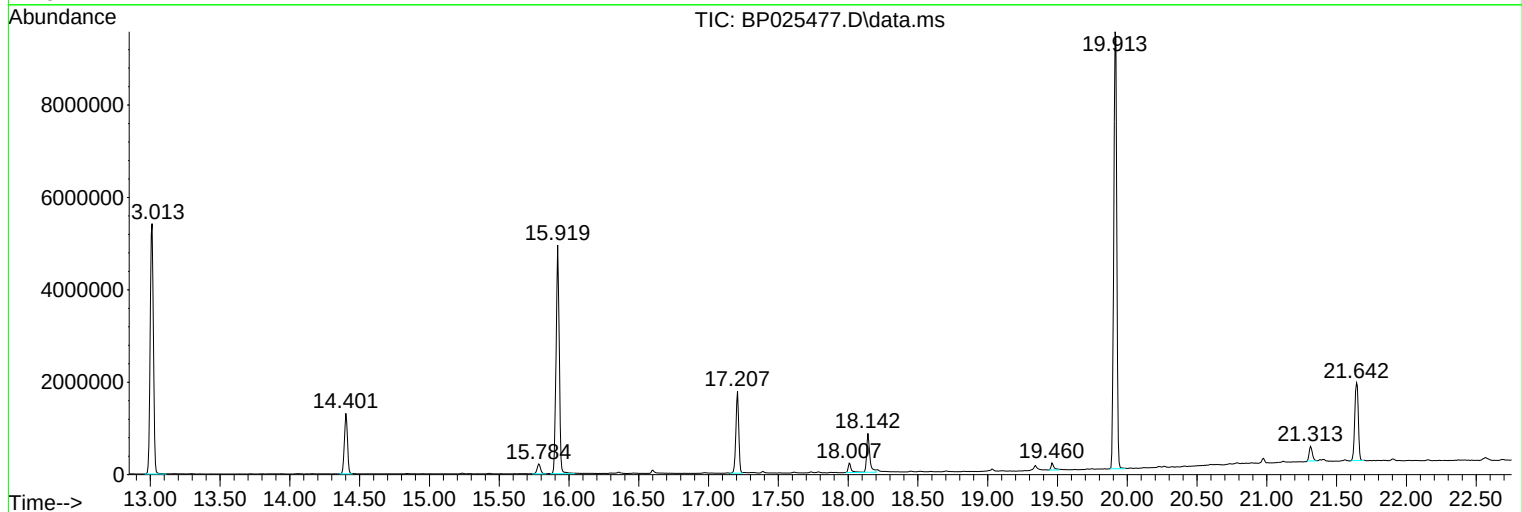
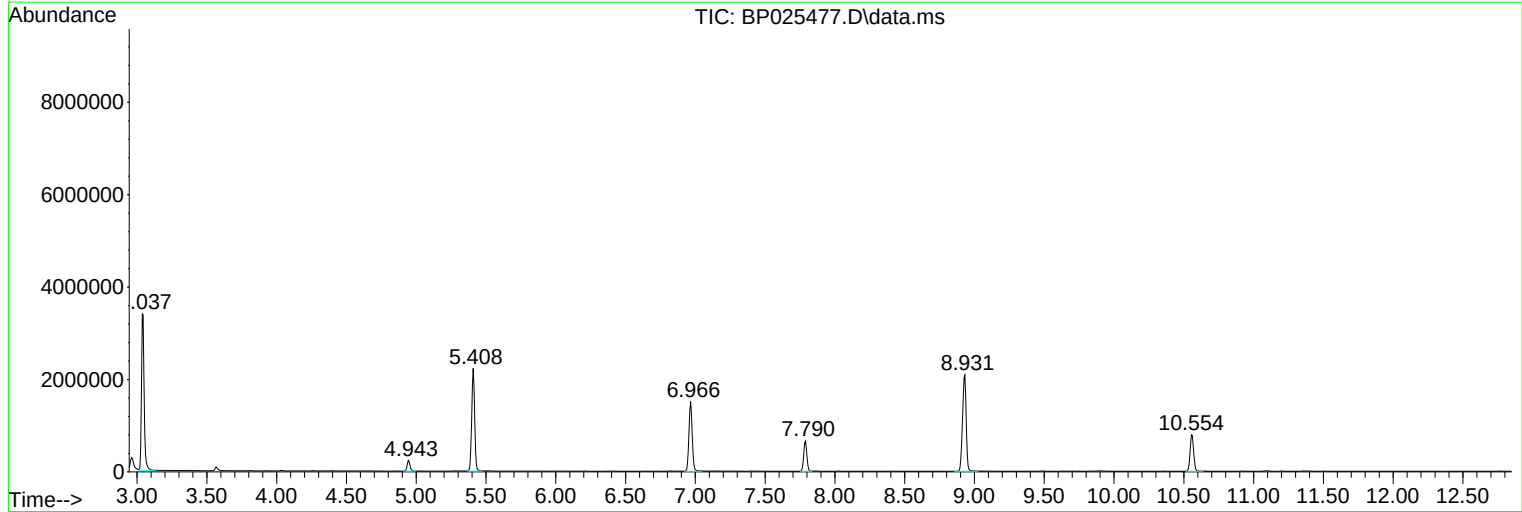
Sum of corrected areas: 61962280

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

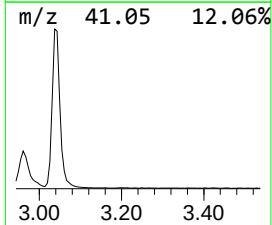
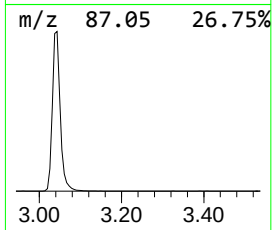
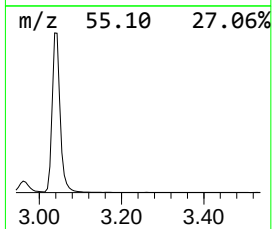
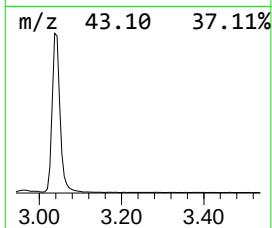
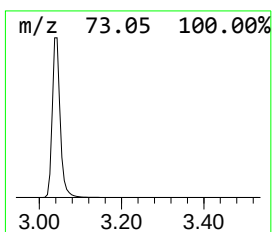
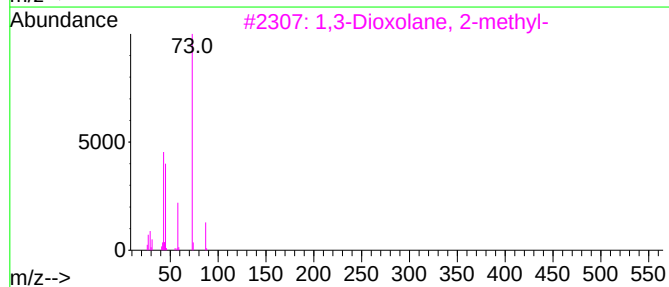
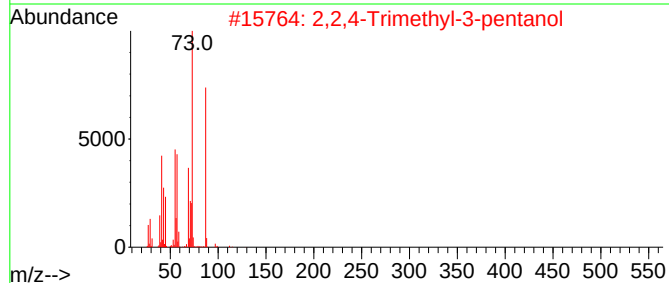
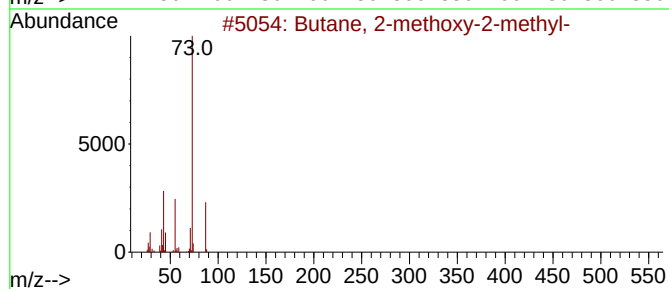
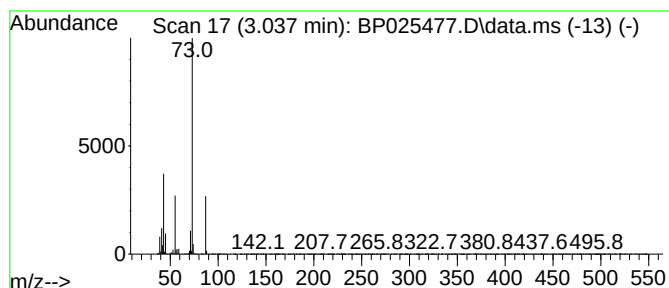
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	90.43 ng	4543670	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

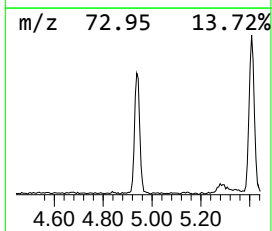
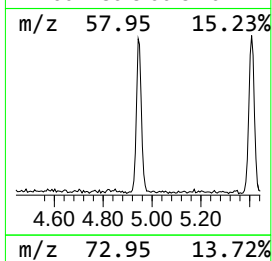
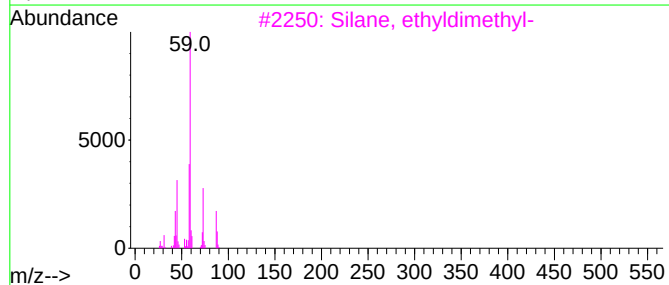
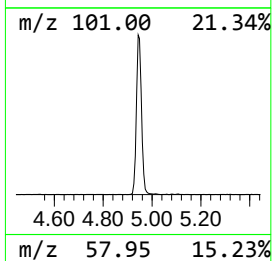
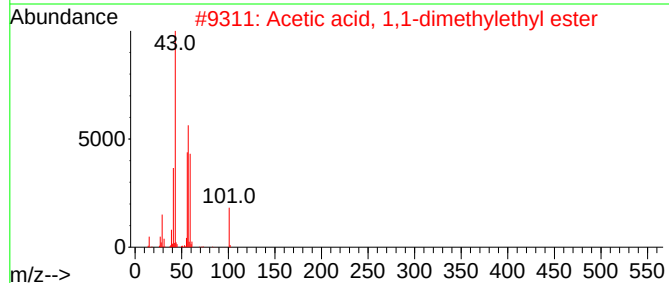
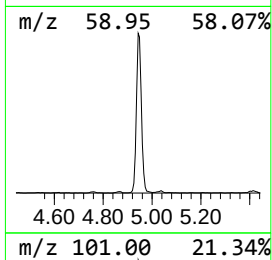
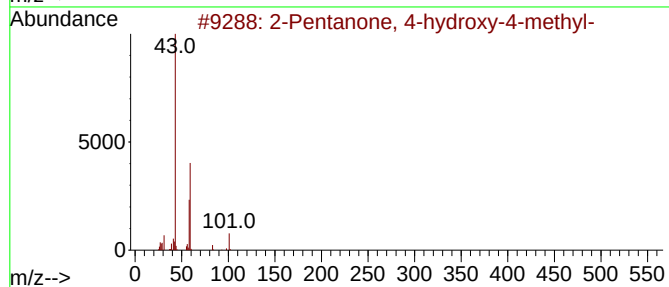
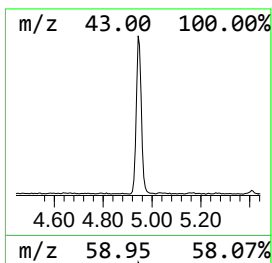
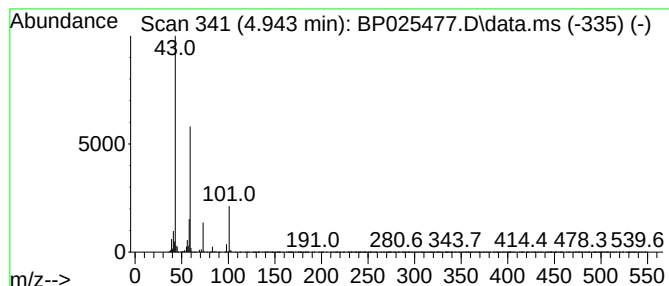
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.943	6.67 ng	334981	1,4-Dichlorobenzene-d4	7.790

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
3		Silane, ethyldimethyl-	88	C4H12Si	000758-21-4	32
4		2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	27
5		3-Hexanol	102	C6H14O	000623-37-0	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

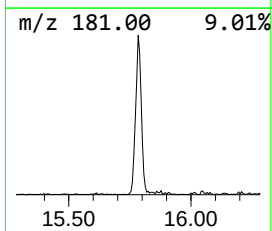
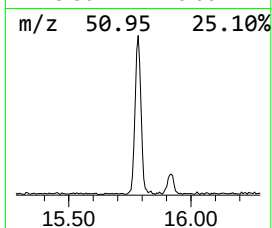
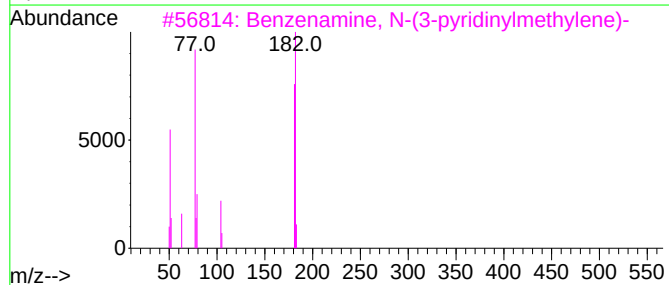
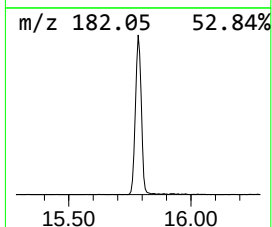
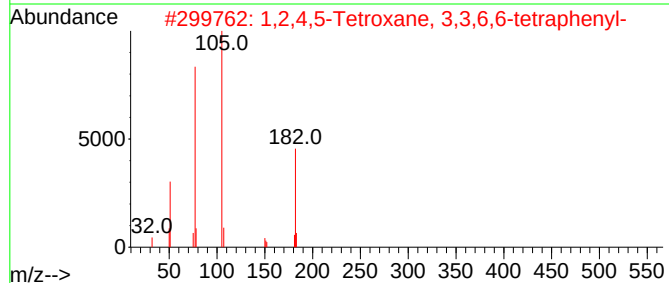
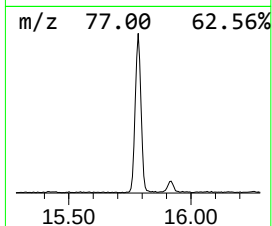
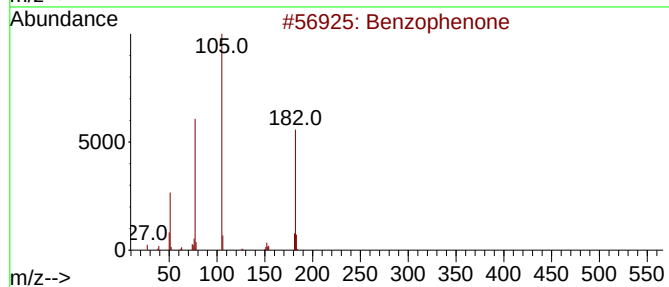
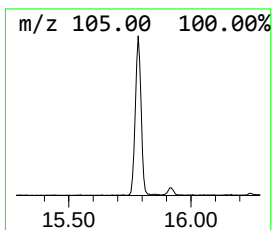
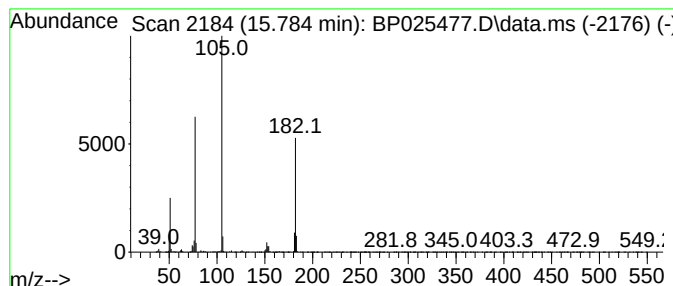
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.784	3.67 ng	366995	Acenaphthene-d10	14.401

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzophenone	182	C13H10O	000119-61-9	96
2		1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3		Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	53
4		Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	45
5		1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

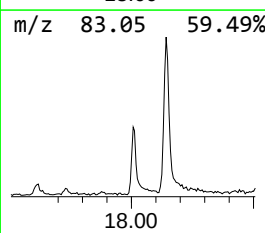
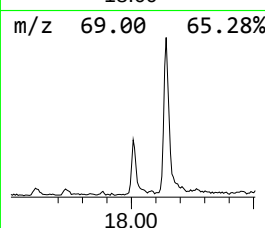
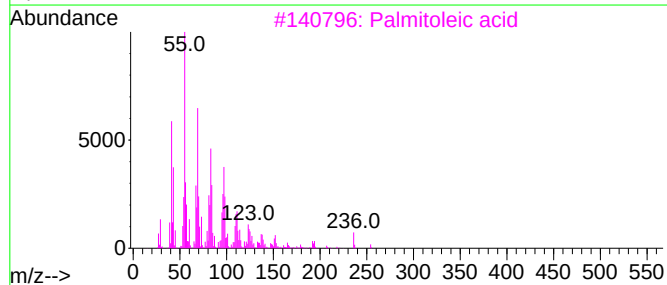
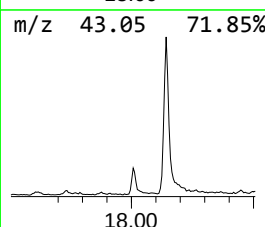
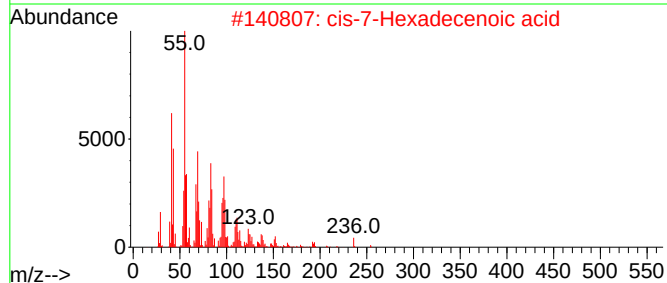
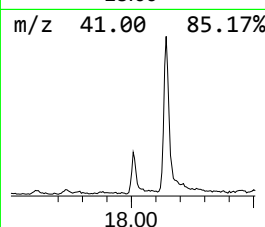
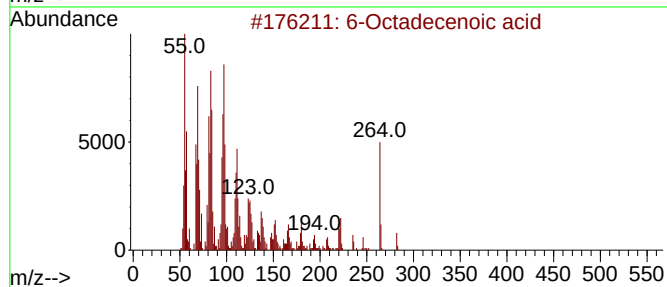
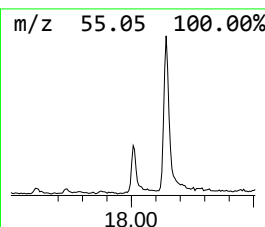
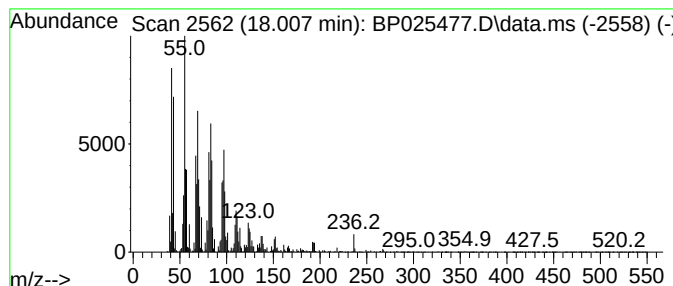
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 6-Octadecenoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.007	2.66 ng	335713	Phenanthrene-d10	17.207

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6-Octadecenoic acid	282	C18H34O2	1000336-66-8	98
2			cis-7-Hexadecenoic acid	254	C16H30O2	002416-19-5	98
3			Palmitoleic acid	254	C16H30O2	000373-49-9	95
4			(E)-Hexadec-9-enoic acid	254	C16H30O2	010030-73-6	94
5			7-Hexadecenoic acid, methyl este...	268	C17H32O2	056875-67-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

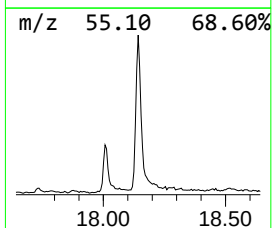
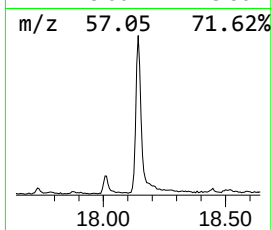
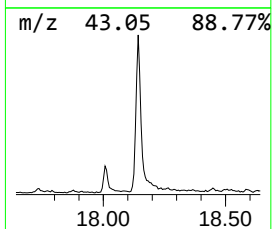
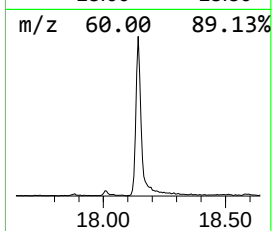
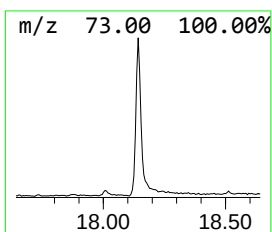
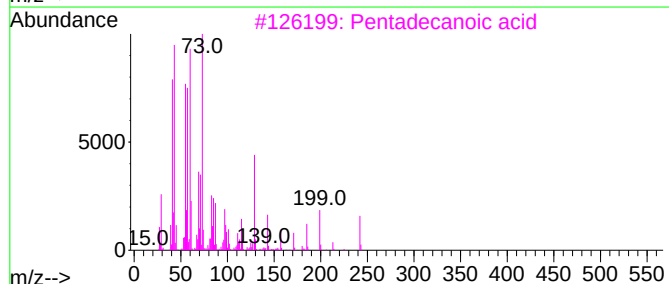
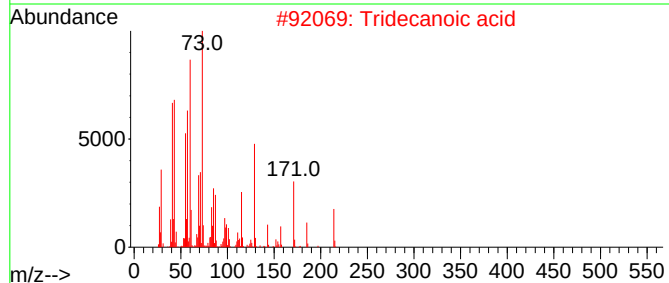
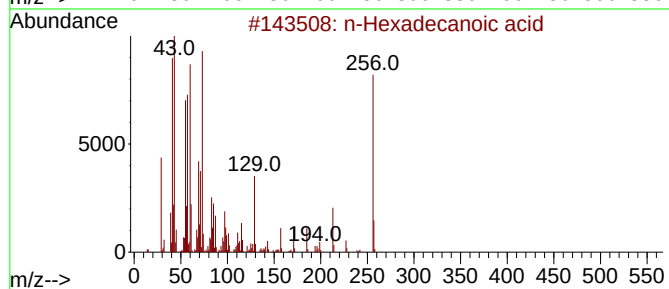
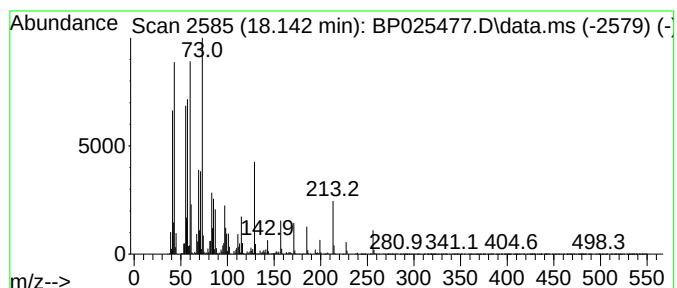
Instrument :
BNA_P
ClientSampleId :
TW-11M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.142	10.24 ng	1294190	Phenanthrene-d10	17.207	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	97
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Undecanoic acid	186	C11H22O2	000112-37-8	83
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

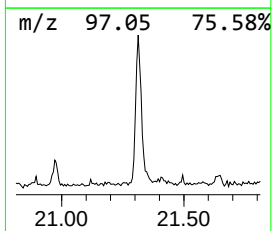
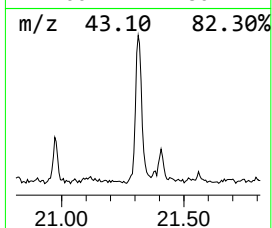
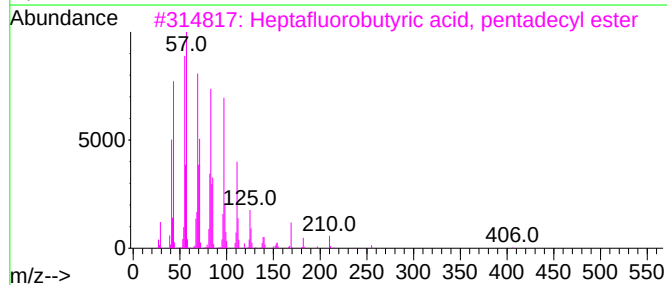
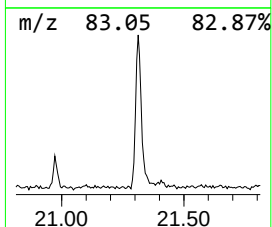
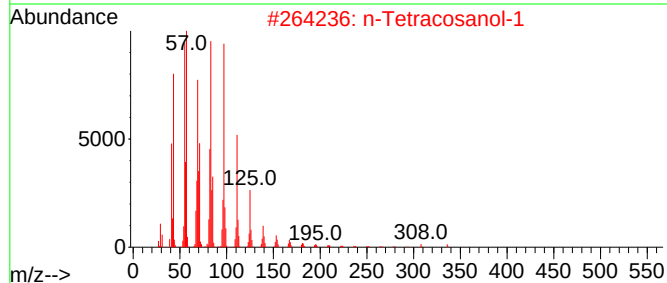
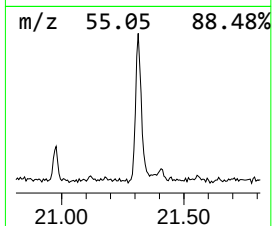
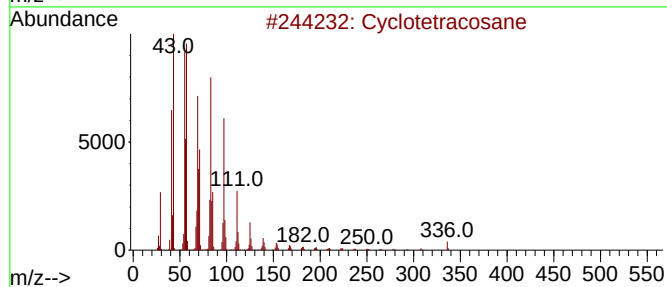
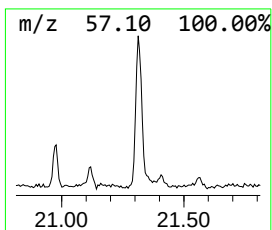
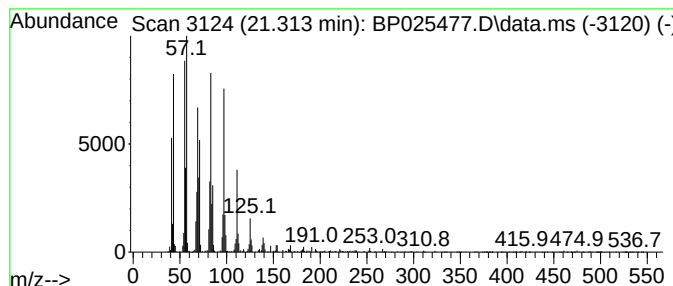
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclotetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.313	3.45 ng	504591	Chrysene-d12	21.642

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclotetracosane	336	C24H48	000297-03-0	95
2			n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3			Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
4			Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
5			1-Heneicosanol	312	C21H44O	015594-90-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

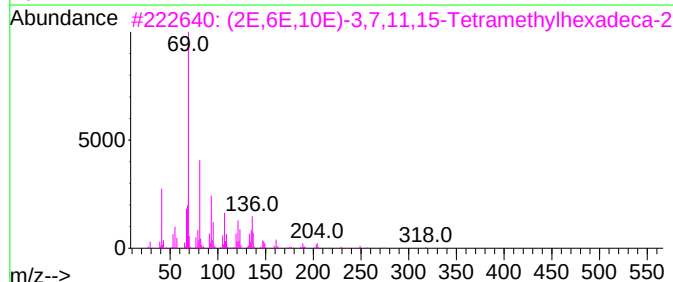
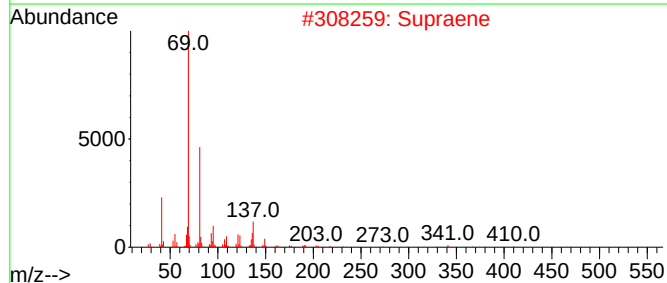
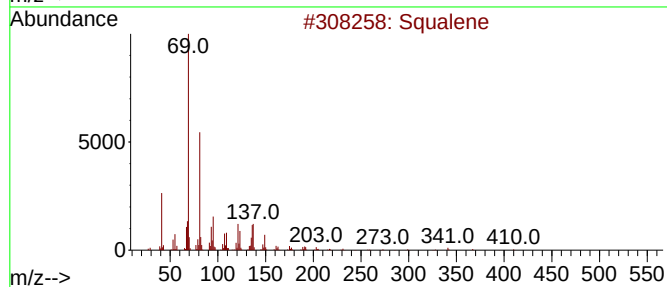
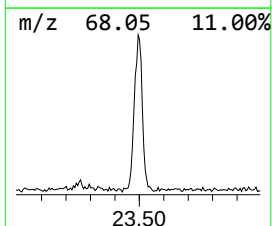
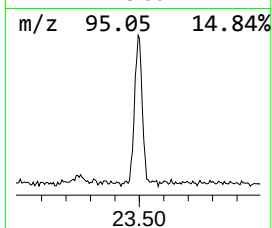
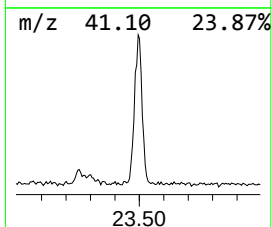
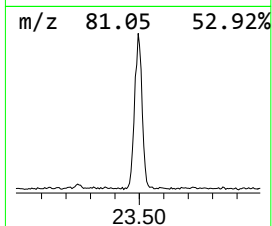
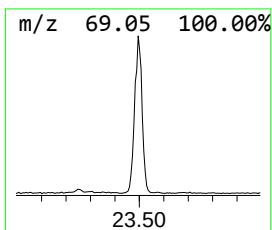
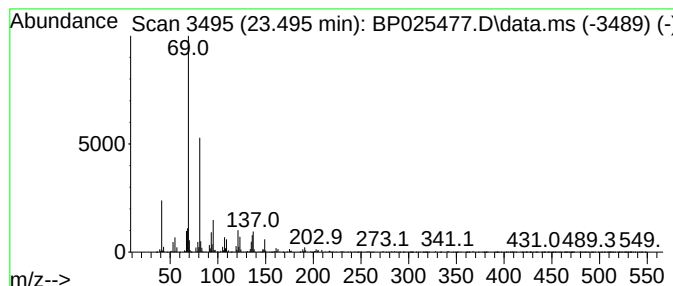
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.495	5.68 ng	884041	Perylene-d12	25.012

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Squalene	410	C30H50	000111-02-4	97
2			Supraene	410	C30H50	007683-64-9	91
3			(2E,6E,10E)-3,7,11,15-Tetramethy...	318	C21H34O2	125456-63-5	78
4			(.+/-)-Lavandulol, pentafluorop...	300	C13H17F5O2	1000352-63-1	72
5			7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025477.D
Acq On : 19 Aug 2025 15:32
Operator : CG/JU
Sample : Q2815-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	90.4	ng	4543670	1	7.790	1004920	20.0
2-Pentanone, 4-...	4.943	6.7	ng	334981	1	7.790	1004920	20.0
Benzophenone	15.784	3.7	ng	366995	3	14.401	1999400	20.0
6-Octadecenoic ...	18.007	2.7	ng	335713	4	17.207	2528030	20.0
n-Hexadecanoic ...	18.142	10.2	ng	1294190	4	17.207	2528030	20.0
Cyclotetracosane	21.313	3.5	ng	504591	5	21.642	2920980	20.0
Squalene	23.495	5.7	ng	884041	6	25.012	3114610	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-22	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025478.D	1	08/14/25 09:15	08/19/25 16:13	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-22	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025478.D	1	08/14/25 09:15	08/19/25 16:13	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-22	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025478.D	1	08/14/25 09:15	08/19/25 16:13	PB169244

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

SURROGATES

367-12-4	2-Fluorophenol	95.9		19 - 119	64%	SPK: 150
13127-88-3	Phenol-d6	74.0		10 - 130	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.6		44 - 120	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.9		44 - 119	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		43 - 140	106%	SPK: 150
1718-51-0	Terphenyl-d14	87.0		50 - 134	87%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	148000	7.79
1146-65-2	Naphthalene-d8	586000	10.554
15067-26-2	Acenaphthene-d10	384000	14.413
1517-22-2	Phenanthrene-d10	852000	17.207
1719-03-5	Chrysene-d12	989000	21.636
1520-96-3	Perylene-d12	1090000	25.006

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	94.1	J	3.04	ug/L
000057-55-6	Propylene Glycol	4.40	J	3.56	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.60	AB	4.94	ug/L
000143-24-8	Tetraglyme	3.40	J	14.3	ug/L
000119-61-9	Benzophenone	9.90	J	15.8	ug/L
000057-10-3	n-Hexadecanoic acid	12.5	J	18.2	ug/L
000057-11-4	Octadecanoic acid	2.90	J	19.5	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-S	SDG No.:	Q2815
Lab Sample ID:	Q2815-22	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025478.D	1	08/14/25 09:15	08/19/25 16:13	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1000406-04-5	Pentadecafluorooctanoic acid, pent	8.20	J			21.3	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

Quant Time: Aug 19 16:36:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	147618	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	586285	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	383766	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	852196	20.000	ng	0.00
76) Chrysene-d12	21.636	240	989042	20.000	ng	-0.01
86) Perylene-d12	25.006	264	1090876	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	852194	95.872	ng	0.00
7) Phenol-d6	6.966	99	843334	74.000	ng	0.00
23) Nitrobenzene-d5	8.925	82	1085240	93.636	ng	-0.01
42) 2,4,6-Tribromophenol	15.919	330	817856	158.330	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2497398	88.938	ng	0.00
79) Terphenyl-d14	19.924	244	4701531	86.971	ng	0.00

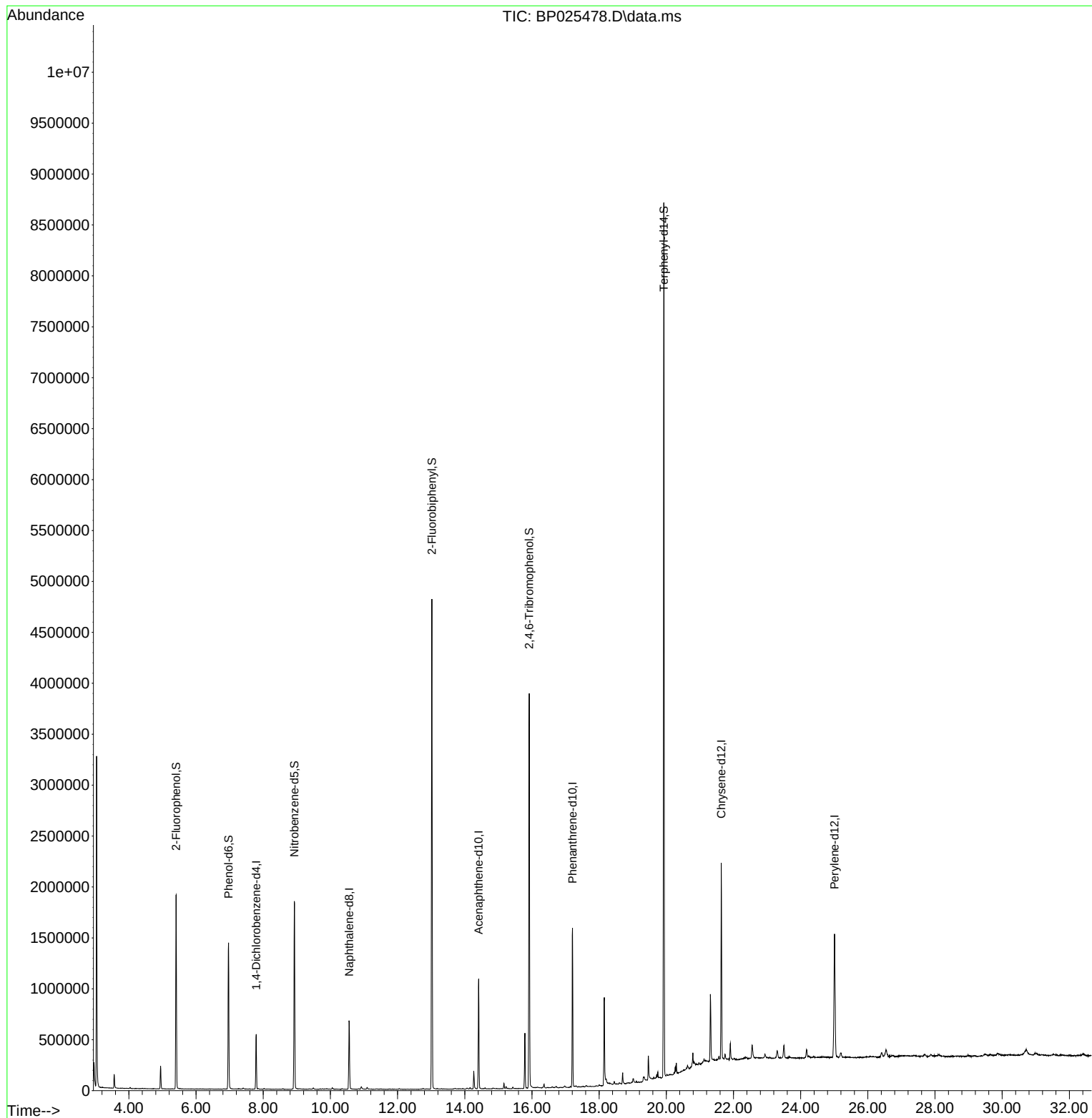
Target Compounds	Qvalue
------------------	--------

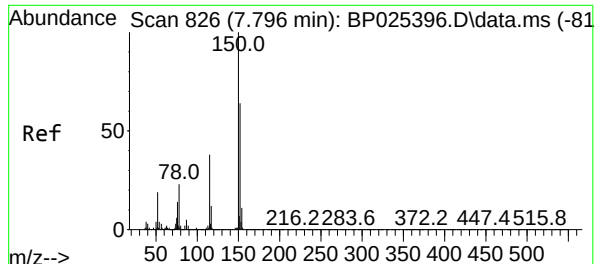
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

Quant Time: Aug 19 16:36:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

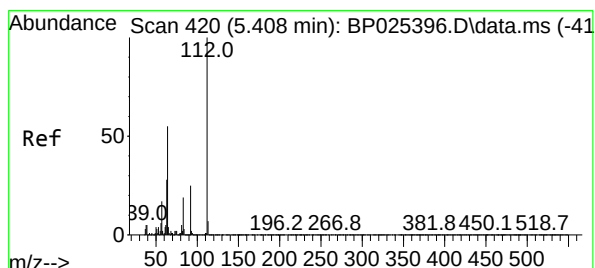
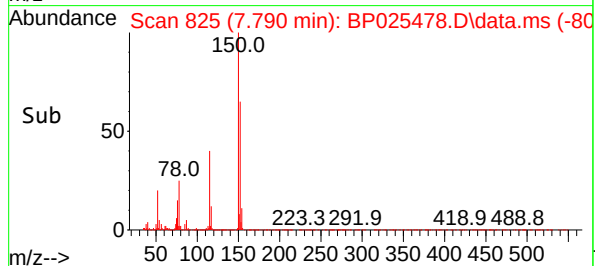
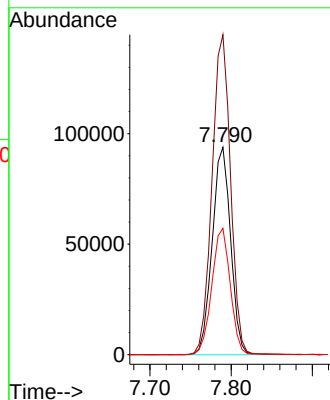
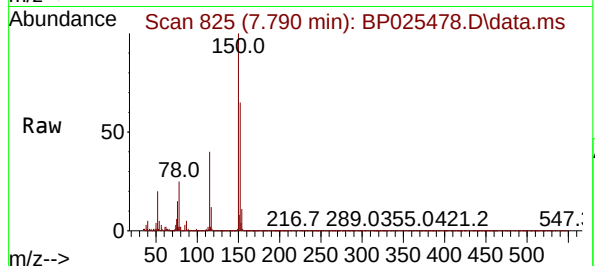




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025478.D
Acq: 19 Aug 2025 16:13

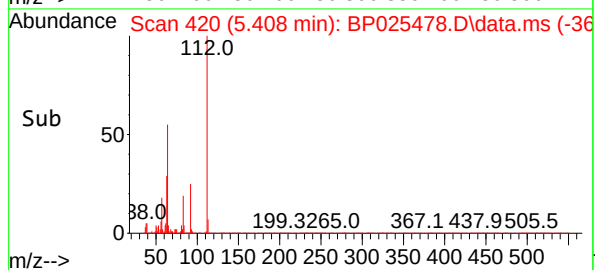
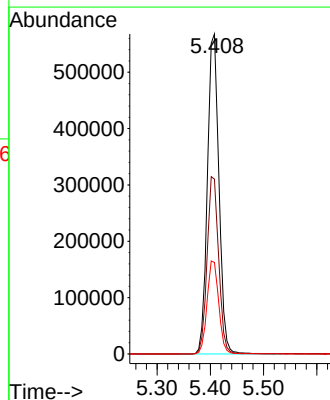
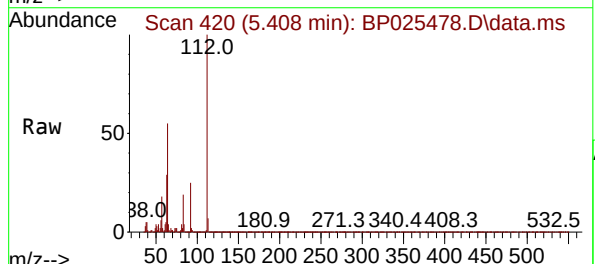
Instrument :
BNA_P
ClientSampleId :
TW-11M-S

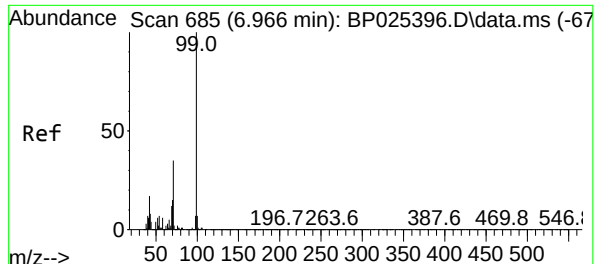
Tgt Ion:152 Resp: 147618
Ion Ratio Lower Upper
152 100
150 154.3 125.9 188.9
115 61.0 48.5 72.7



#5
2-Fluorophenol
Concen: 95.872 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025478.D
Acq: 19 Aug 2025 16:13

Tgt Ion:112 Resp: 852194
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 28.6 22.7 34.1

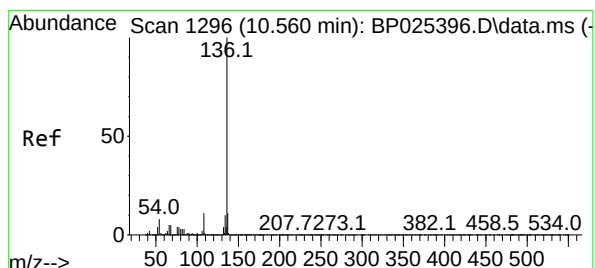
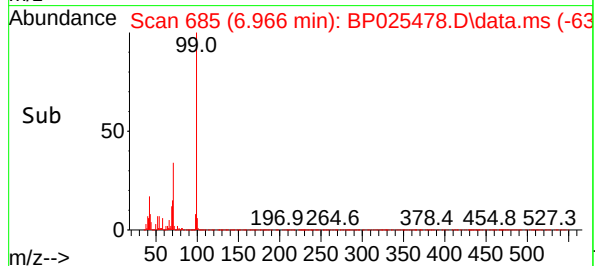
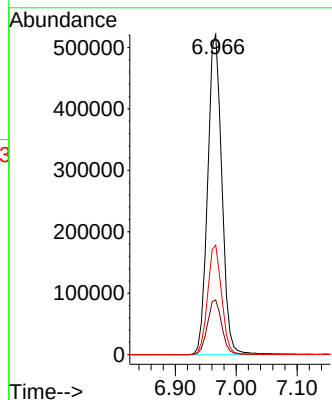
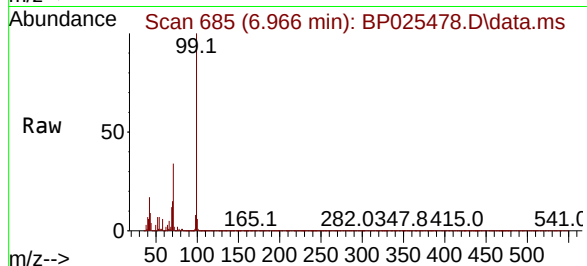




#7
Phenol-d6
Concen: 74.000 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025478.D
Acq: 19 Aug 2025 16:13

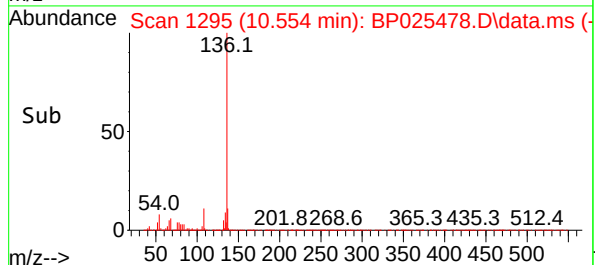
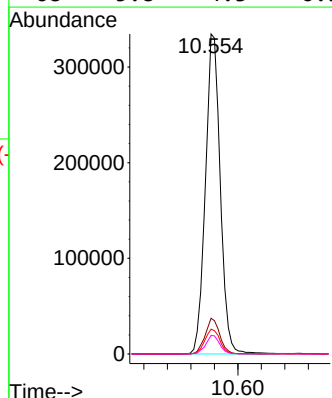
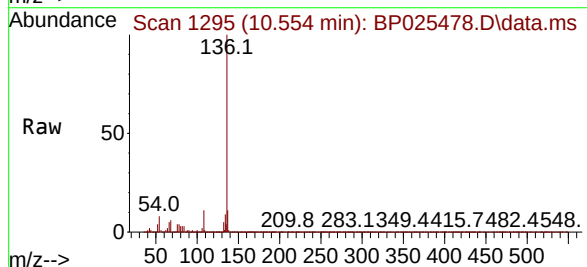
Instrument :
BNA_P
ClientSampleId :
TW-11M-S

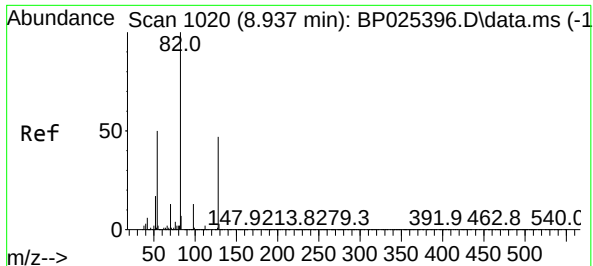
Tgt Ion: 99 Resp: 843334
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 34.3 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025478.D
Acq: 19 Aug 2025 16:13

Tgt Ion: 136 Resp: 586285
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 7.7 6.0 9.0
68 5.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 93.636 ng

RT: 8.925 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP025478.D

Acq: 19 Aug 2025 16:13

Instrument :

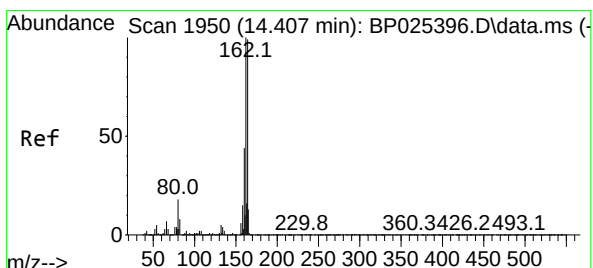
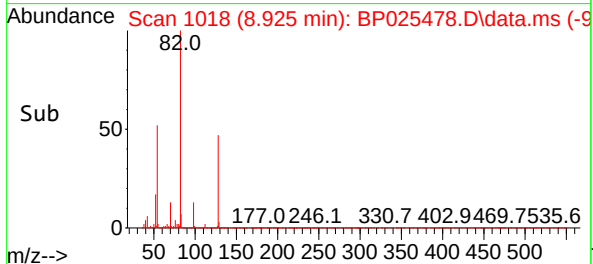
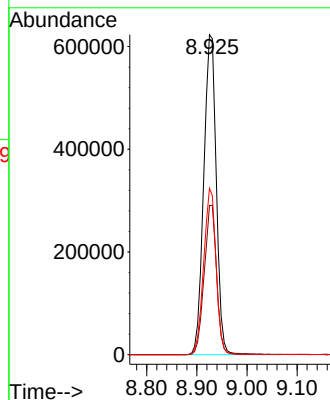
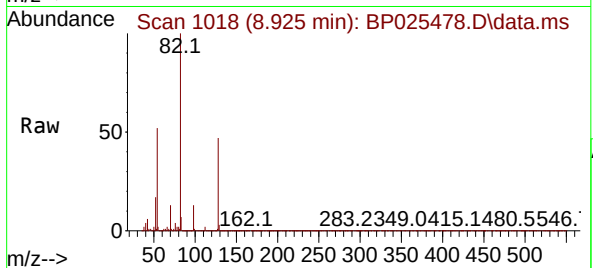
BNA_P

ClientSampleId :

TW-11M-S

Tgt Ion: 82 Resp: 1085240

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.7	56.5
54	52.0	39.8	59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.413 min Scan# 1951

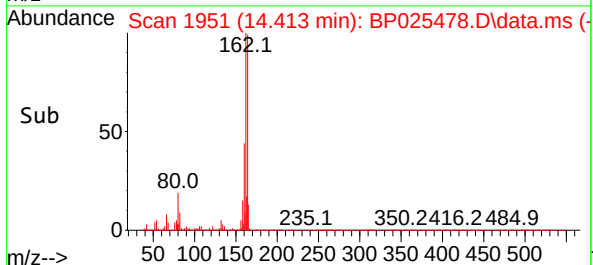
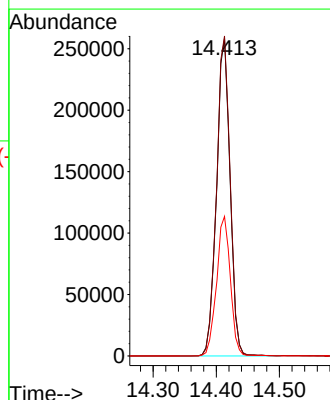
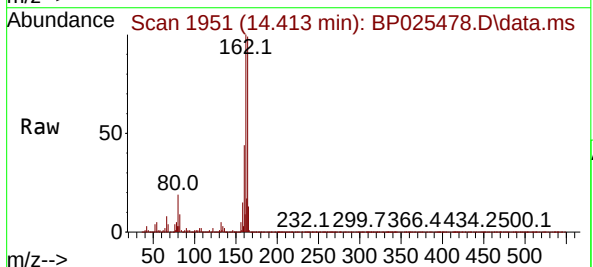
Delta R.T. 0.006 min

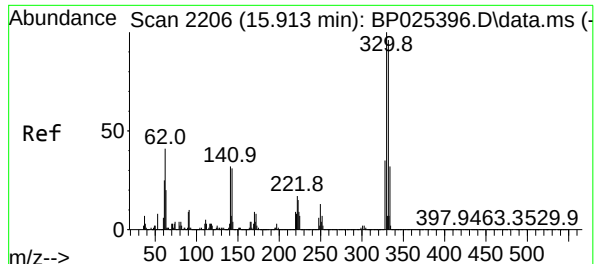
Lab File: BP025478.D

Acq: 19 Aug 2025 16:13

Tgt Ion: 164 Resp: 383766

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.0	121.6
160	43.9	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 158.330 ng

RT: 15.919 min Scan# 2206

Delta R.T. 0.006 min

Lab File: BP025478.D

Acq: 19 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

TW-11M-S

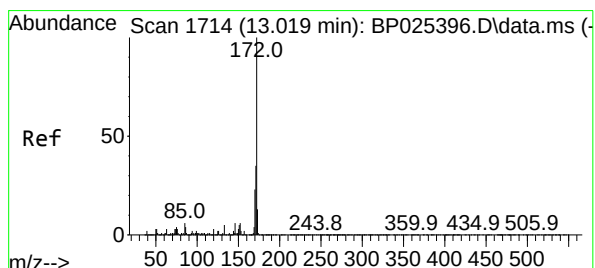
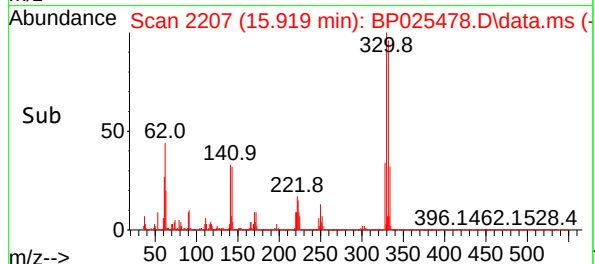
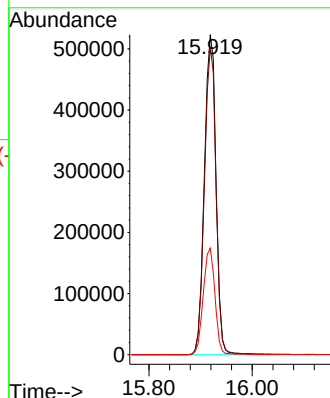
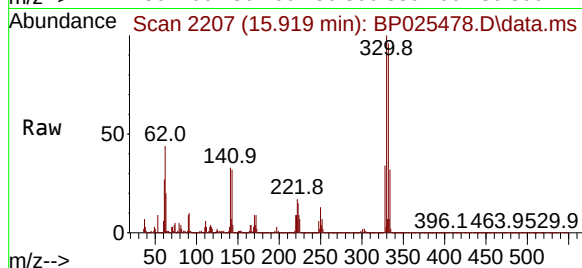
Tgt Ion:330 Resp: 817856

Ion Ratio Lower Upper

330 100

332 95.7 77.3 115.9

141 33.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 88.938 ng

RT: 13.019 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BP025478.D

Acq: 19 Aug 2025 16:13

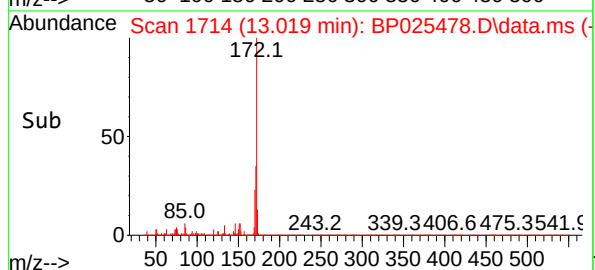
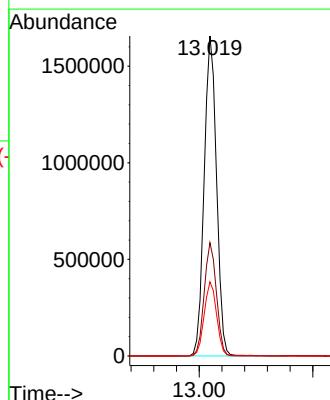
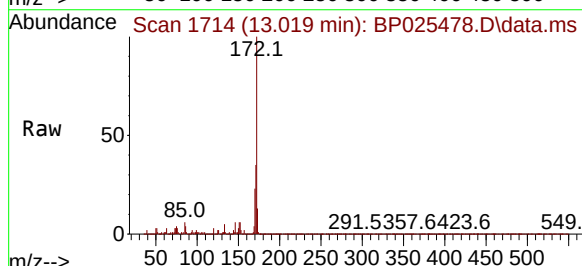
Tgt Ion:172 Resp: 2497398

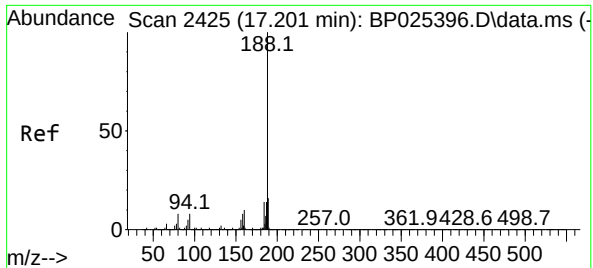
Ion Ratio Lower Upper

172 100

171 35.4 28.1 42.1

170 23.1 18.6 28.0

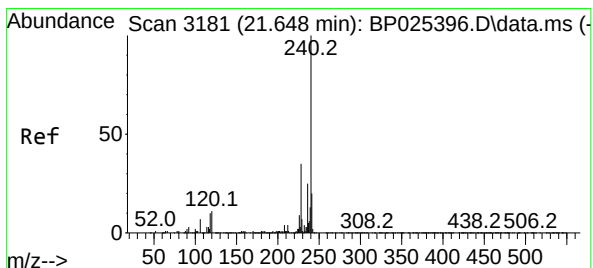
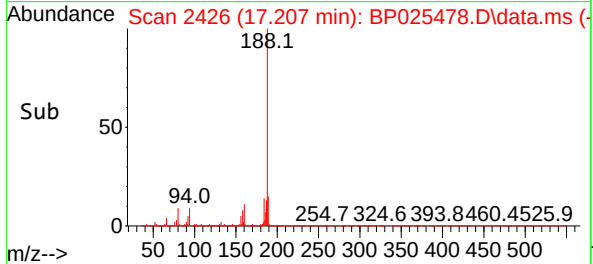
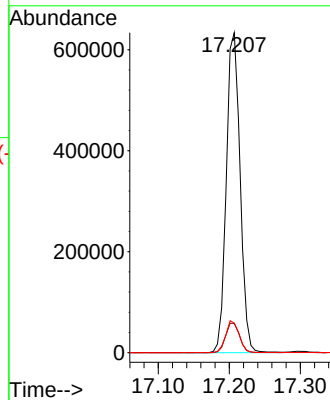
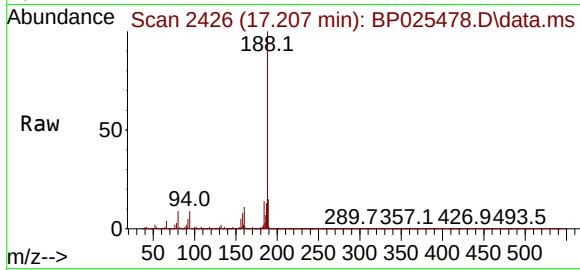




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP025478.D
Acq: 19 Aug 2025 16:13

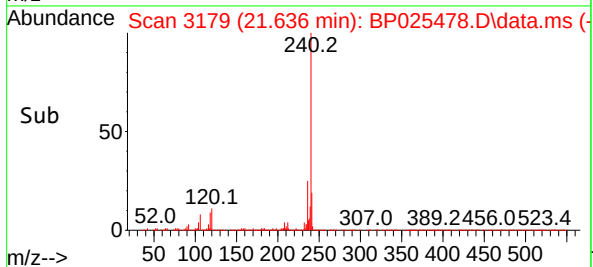
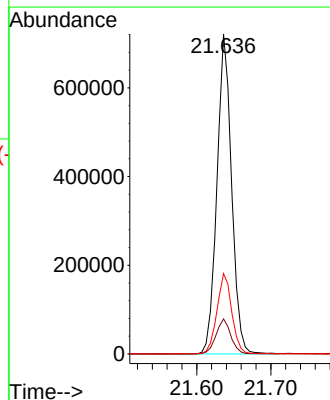
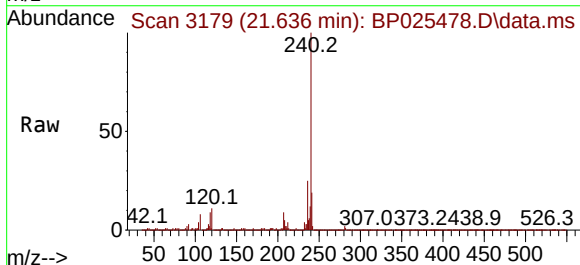
Instrument :
BNA_P
ClientSampleId :
TW-11M-S

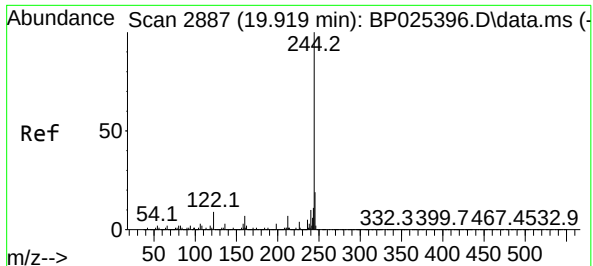
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.3	6.7	10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025478.D
Acq: 19 Aug 2025 16:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	25.1	19.8	29.8

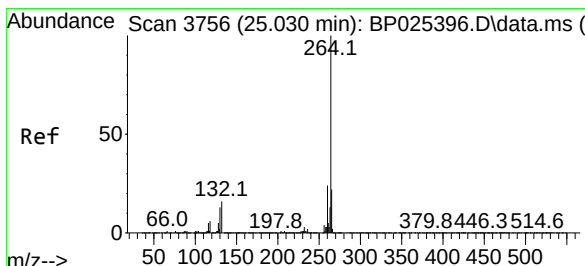
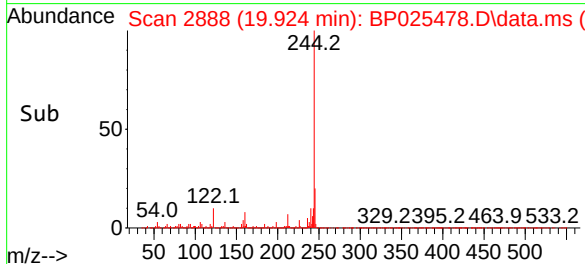
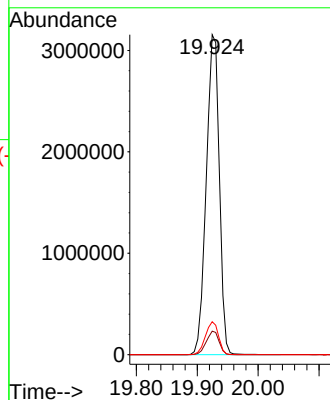
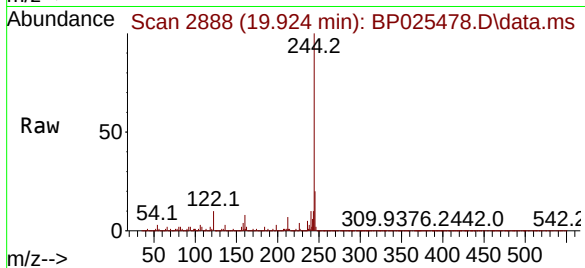




#79
 Terphenyl-d14
 Concen: 86.971 ng
 RT: 19.924 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025478.D
 Acq: 19 Aug 2025 16:13

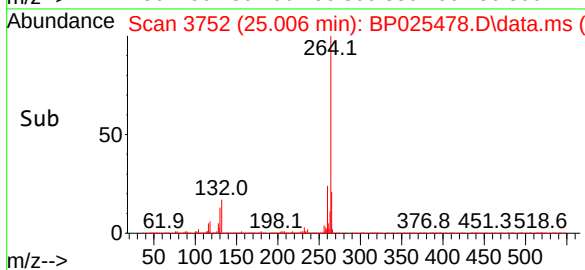
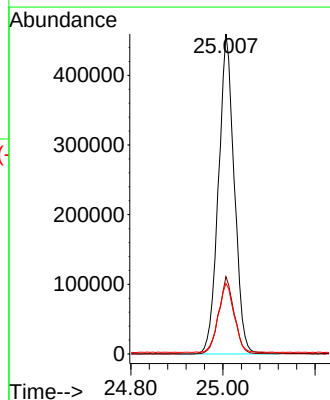
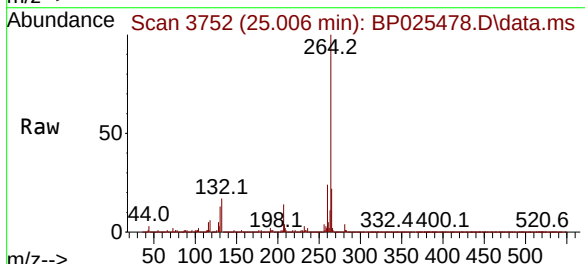
Instrument :
 BNA_P
 ClientSampleId :
 TW-11M-S

Tgt Ion:244 Resp: 4701531
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 10.3 7.4 11.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.006 min Scan# 3752
 Delta R.T. -0.024 min
 Lab File: BP025478.D
 Acq: 19 Aug 2025 16:13

Tgt Ion:264 Resp: 1090876
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.3 28.9
 265 22.0 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025478.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	12	17	37	rVB	3253940	3986228	31.31%	7.278%
2	3.561	102	106	115	rBV	135284	186788	1.47%	0.341%
3	4.943	335	341	348	rBV2	225129	321772	2.53%	0.587%
4	5.408	412	420	437	rBV	1906060	2903589	22.81%	5.301%
5	6.966	677	685	700	rBV	1437598	2358321	18.53%	4.306%
6	7.790	818	825	831	rBV	537917	847079	6.65%	1.547%
7	8.925	1010	1018	1034	rBV	1842546	3184720	25.02%	5.815%
8	10.554	1286	1295	1309	rBV	673766	1188739	9.34%	2.170%
9	13.019	1706	1714	1732	rBV	4812379	7229228	56.79%	13.199%
10	14.266	1921	1926	1939	rBV	174483	271822	2.14%	0.496%
11	14.413	1943	1951	1958	rBV	1077807	1624836	12.76%	2.967%
12	15.789	2178	2185	2192	rBV	543570	802113	6.30%	1.465%
13	15.919	2199	2207	2229	rBV	3876664	6122232	48.09%	11.178%
14	17.207	2420	2426	2434	rBV2	1560873	2127795	16.72%	3.885%
15	18.154	2580	2587	2594	rBV	866153	1328463	10.44%	2.426%
16	18.701	2675	2680	2689	rBV	111182	162408	1.28%	0.297%
17	19.466	2806	2810	2820	rBV	236020	374454	2.94%	0.684%
18	19.924	2881	2888	2899	rBV	8587728	12729563	100.00%	23.242%
19	21.313	3119	3124	3132	rBV2	658591	1072217	8.42%	1.958%
20	21.636	3174	3179	3186	rBV	1921029	2626550	20.63%	4.796%
21	21.907	3221	3225	3231	rVB2	152382	212030	1.67%	0.387%
22	22.554	3332	3335	3346	rVB2	125278	262090	2.06%	0.479%
23	25.007	3744	3752	3765	rVB	1208790	2846676	22.36%	5.198%

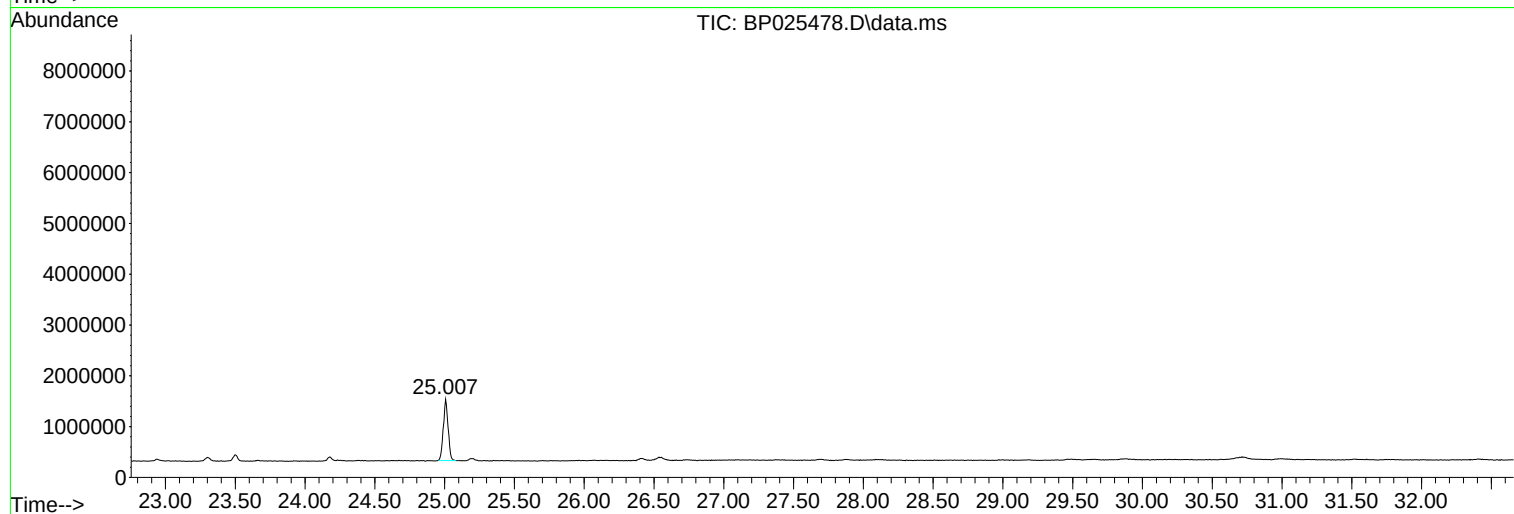
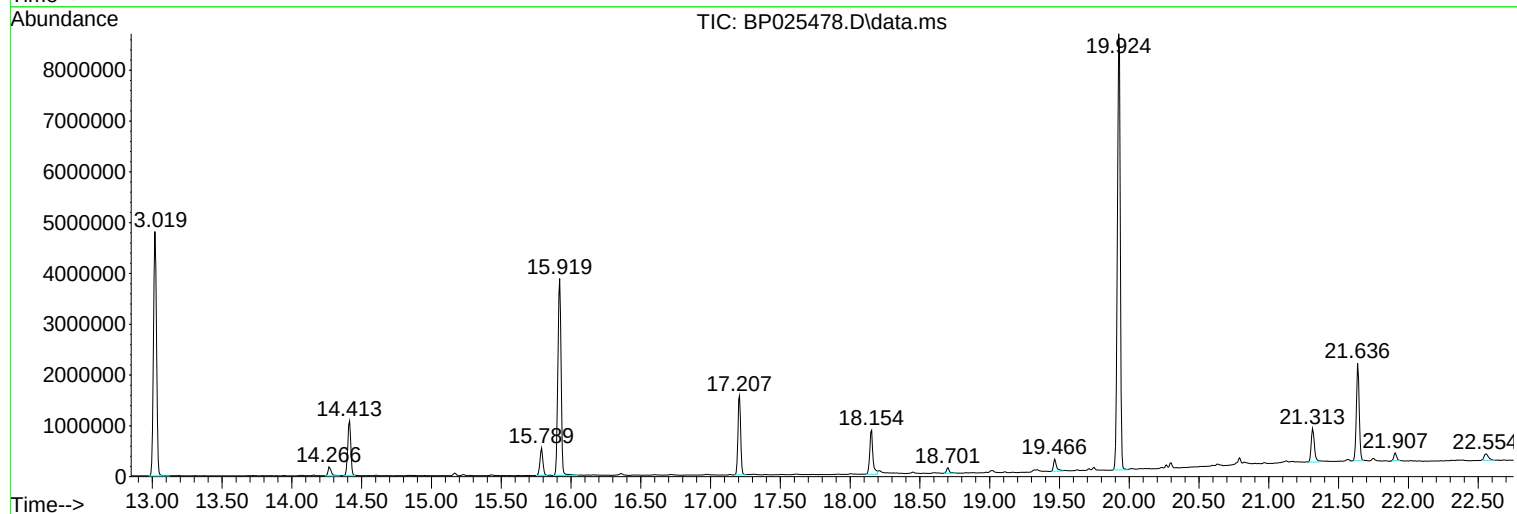
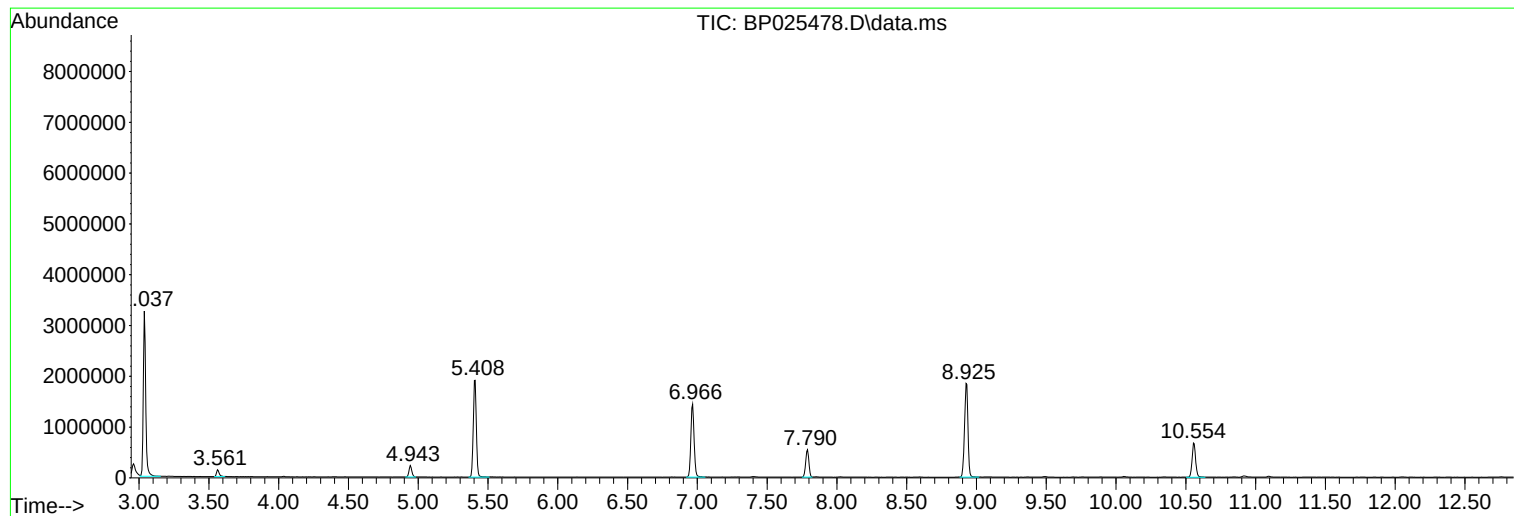
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

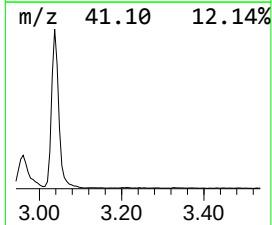
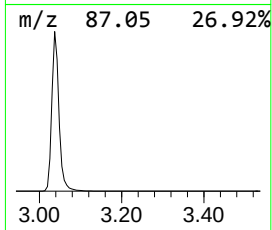
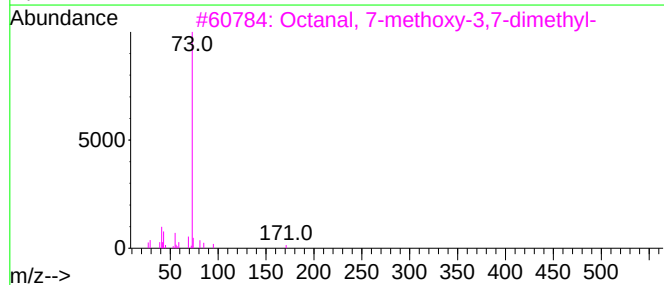
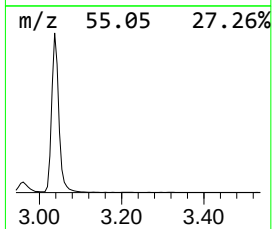
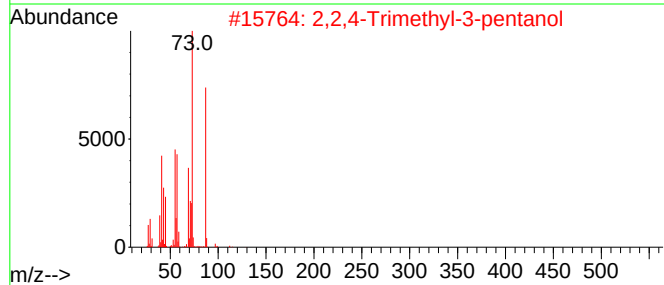
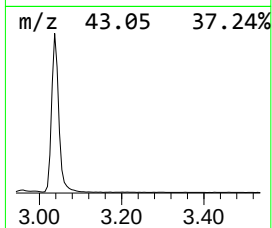
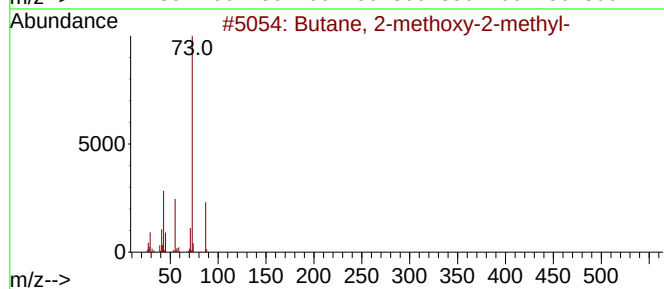
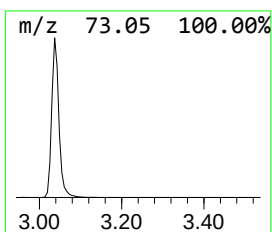
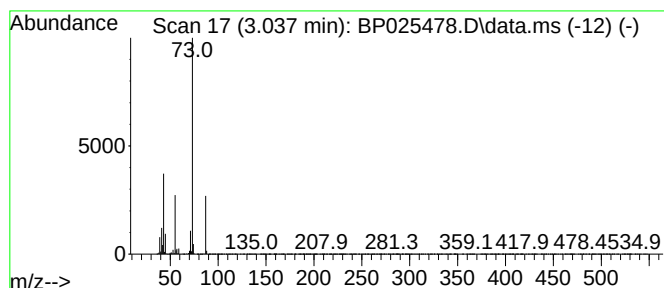
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	94.12 ng	3986230	1,4-Dichlorobenzene-d4	7.790

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

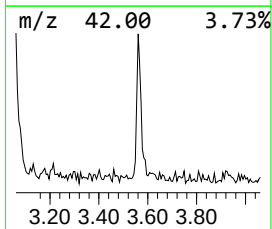
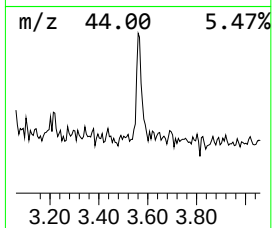
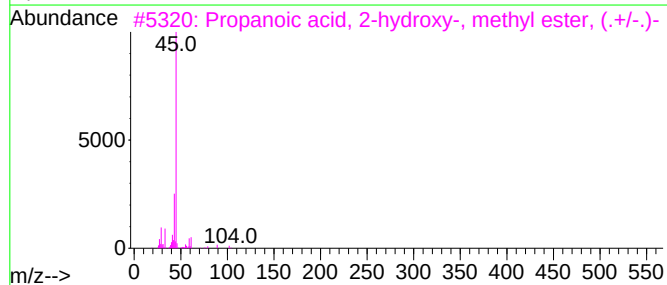
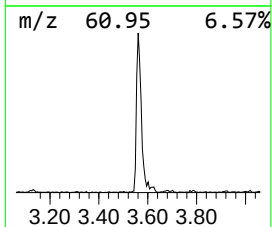
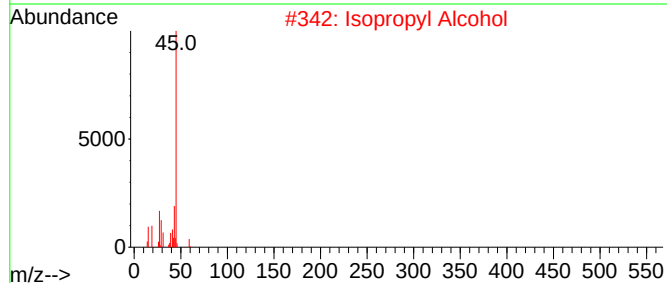
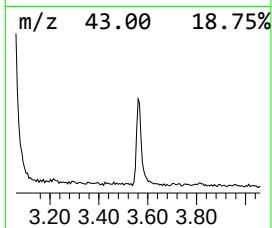
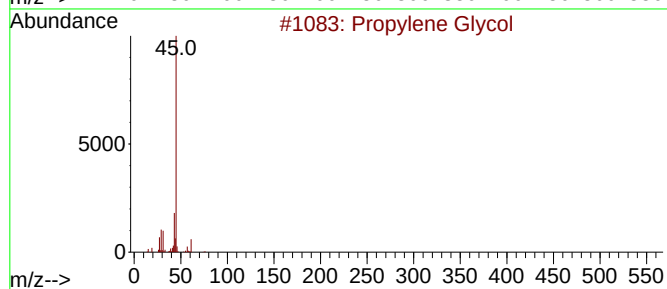
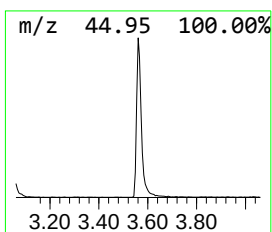
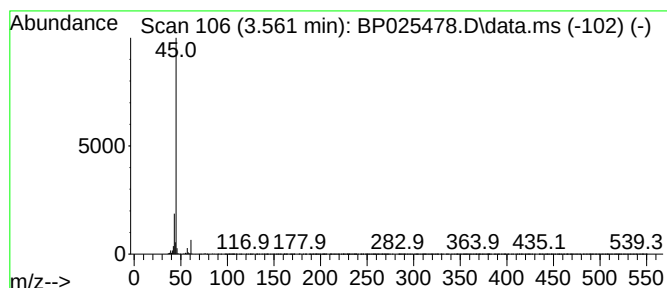
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Propylene Glycol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.561	4.41 ng	186788	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propylene Glycol	76	C3H8O2	000057-55-6	90
2			Isopropyl Alcohol	60	C3H8O	000067-63-0	56
3			Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	40
4			R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	37
5			2-Pentanol	88	C5H12O	006032-29-7	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

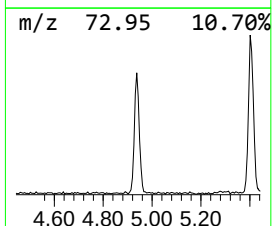
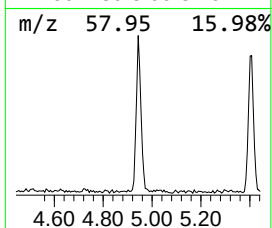
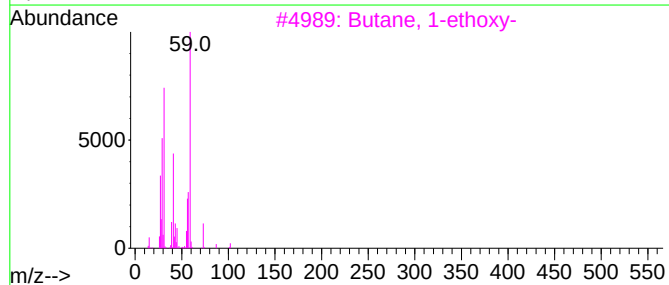
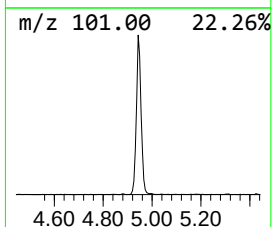
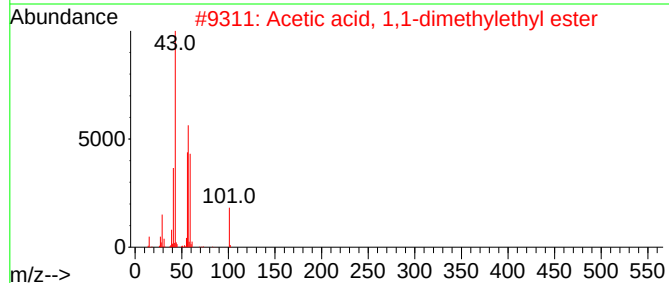
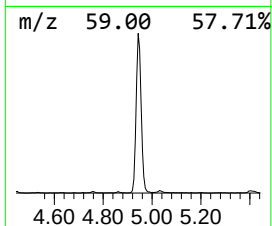
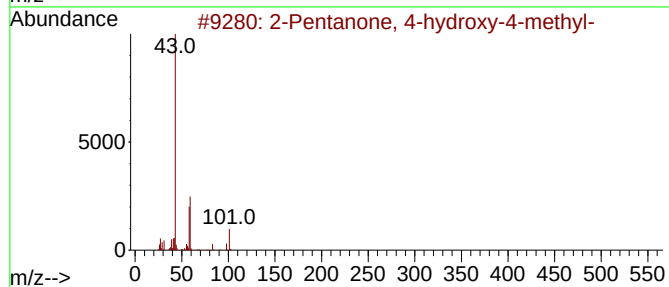
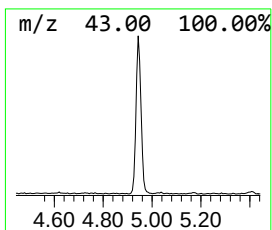
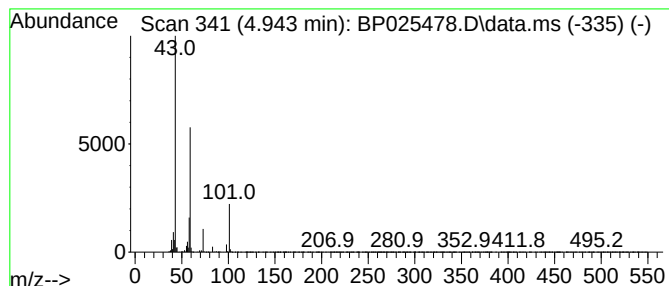
Instrument :
BNA_P
ClientSampleId :
TW-11M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD			R.T.
4.943	7.60 ng	321772	1,4-Dichlorobenzene-d4			7.790
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...		116	C6H12O2	000540-88-5	36
3	Butane, 1-ethoxy-		102	C6H14O	000628-81-9	32
4	Propane, 1-ethoxy-2-methyl-		102	C6H14O	000627-02-1	17
5	2-Propanone, 1-(1-methylethoxy)-		116	C6H12O2	042781-12-4	16



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

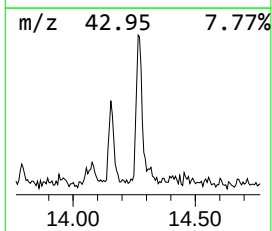
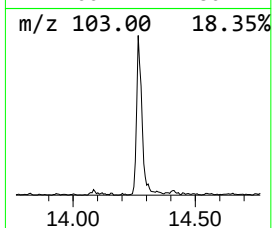
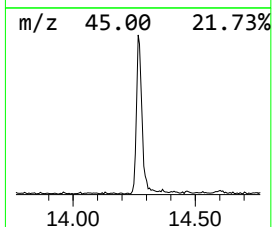
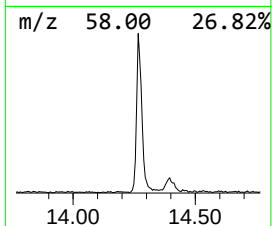
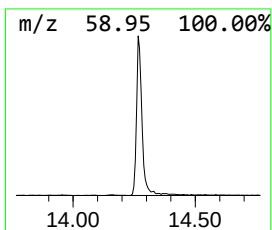
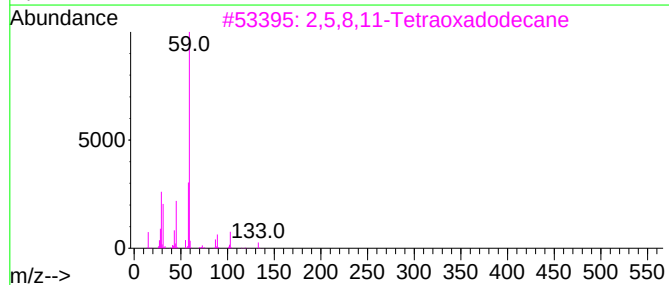
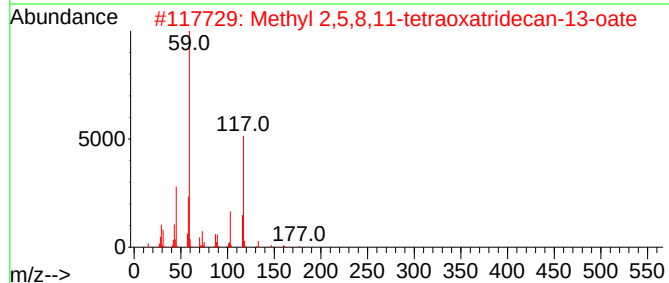
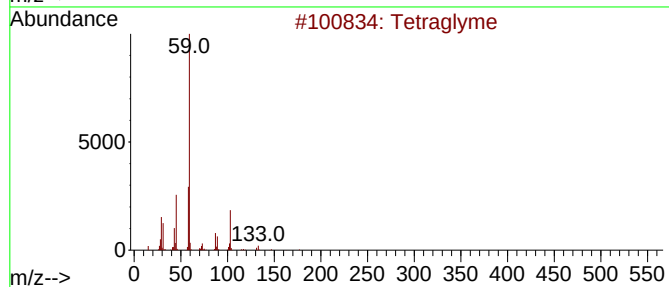
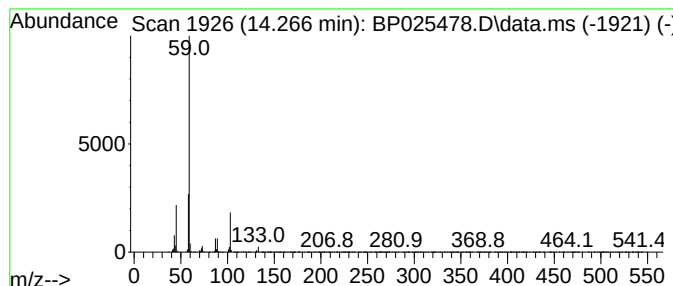
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tetraglyme Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.266	3.35 ng	271822	Acenaphthene-d10	14.413

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetraglyme	222	C10H22O5	000143-24-8	91
2			Methyl 2,5,8,11-tetraoxatridecan...	236	C10H20O6	1000366-78-2	83
3			2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	74
4			Methyl 2,5,8,11,14-pentaoxahexad...	280	C12H24O7	1000366-81-5	72
5			Methyl 2,5,8,11,14,17-hexaoxanon...	324	C14H28O8	1000366-81-4	56



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

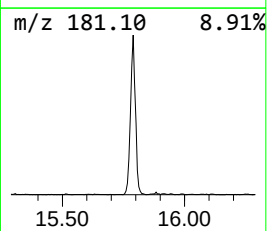
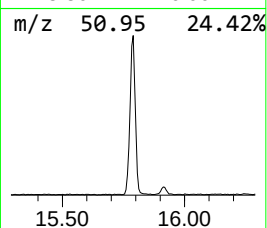
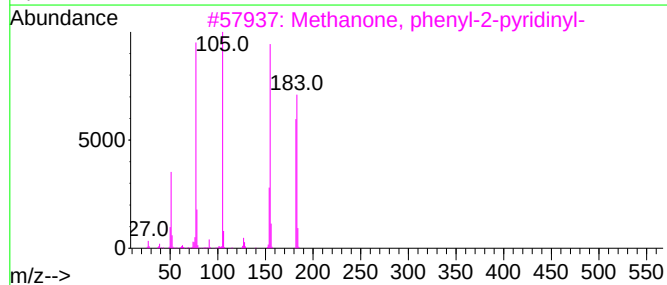
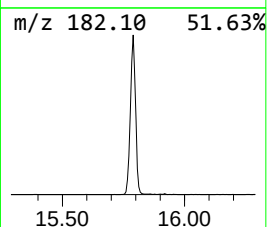
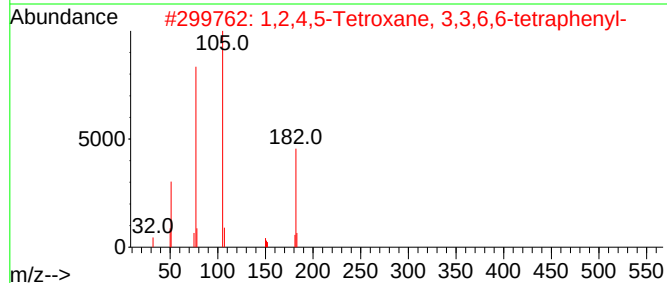
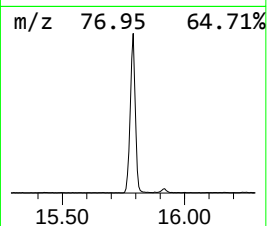
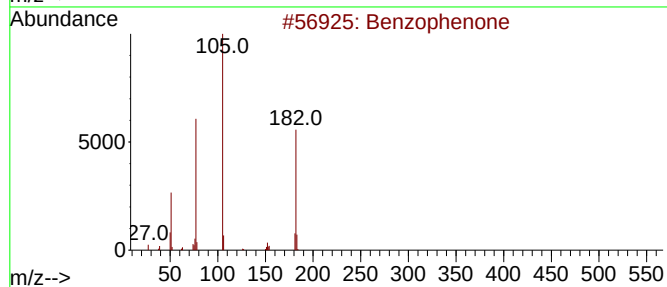
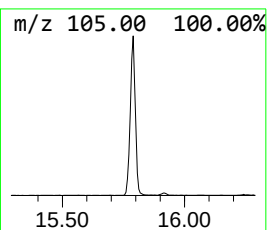
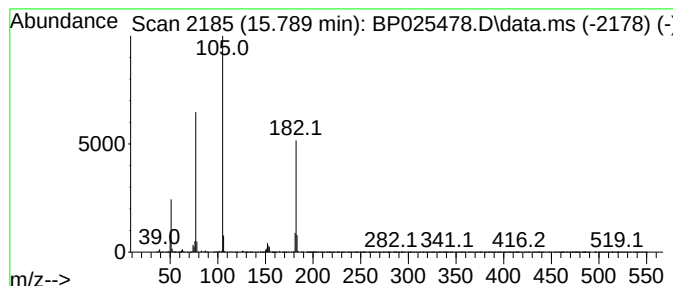
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.789	9.87 ng	802113	Acenaphthene-d10	14.413

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
4			Azobenzene	182	C12H10N2	000103-33-3	45
5			Azobenzene, (E)-	182	C12H10N2	017082-12-1	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

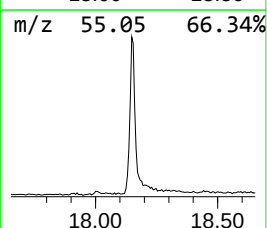
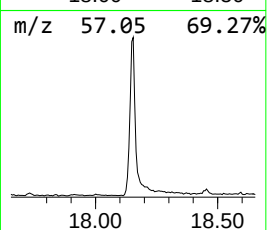
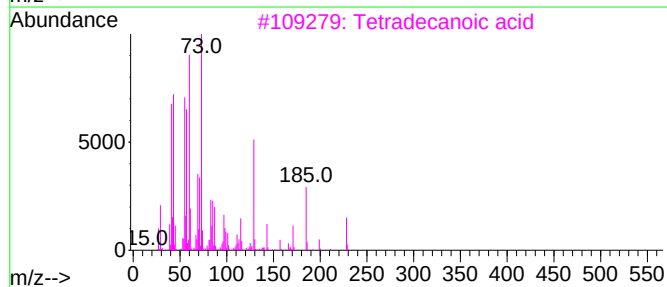
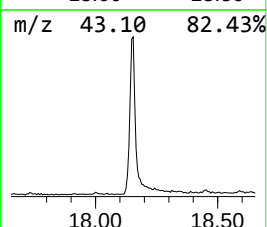
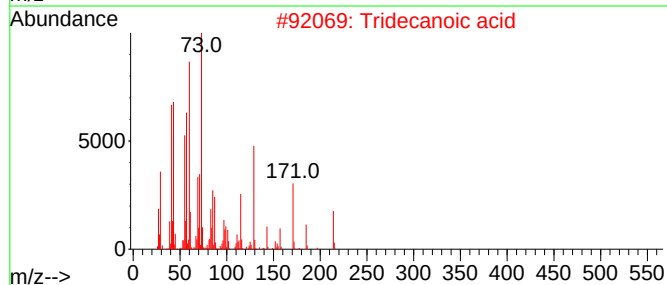
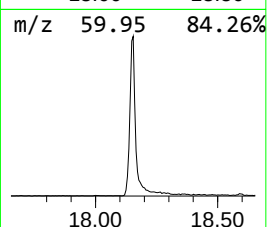
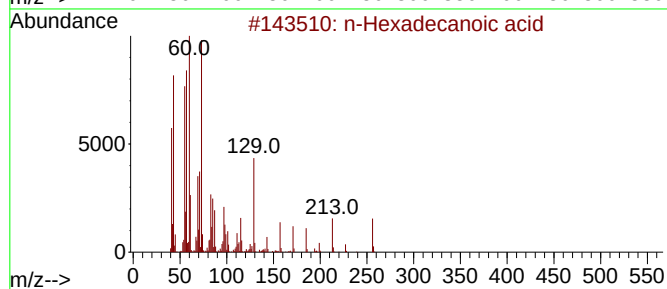
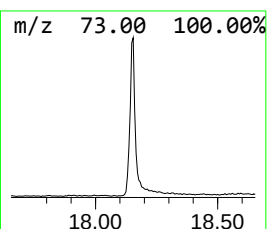
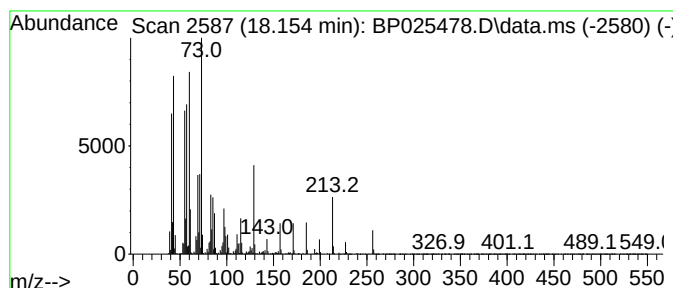
Instrument :
BNA_P
ClientSampleId :
TW-11M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.154	12.49 ng	1328460	Phenanthrene-d10	17.207	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Undecanoic acid	186	C11H22O2	000112-37-8	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

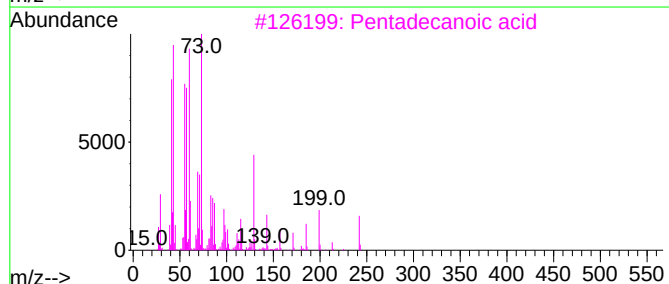
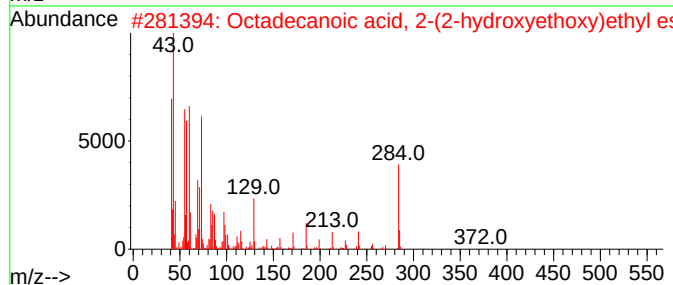
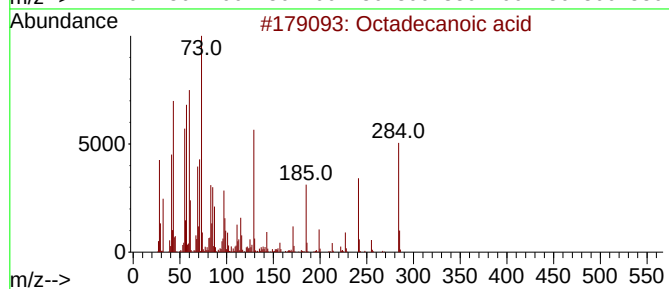
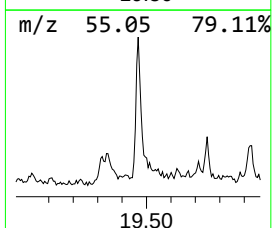
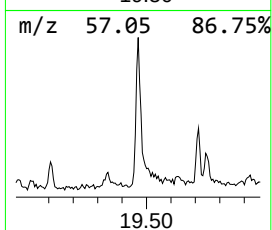
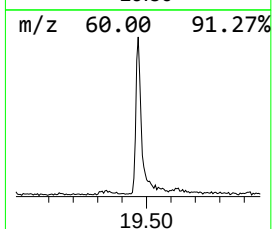
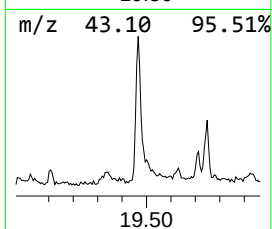
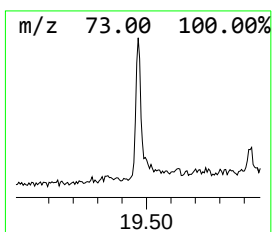
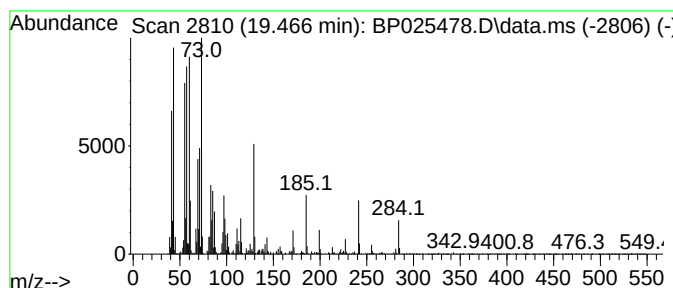
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.466	2.85 ng	374454	Chrysene-d12	21.636

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	90
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

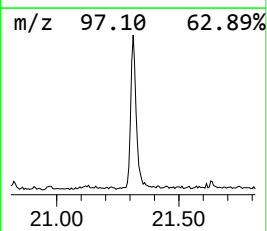
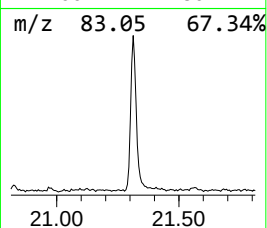
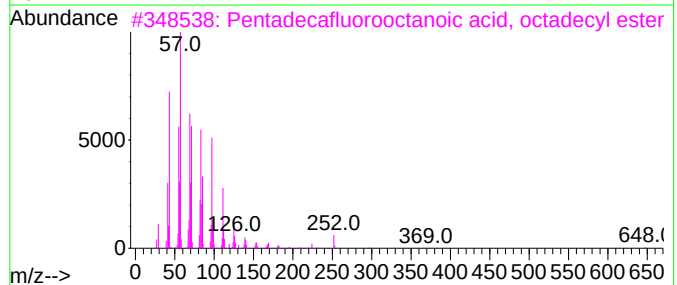
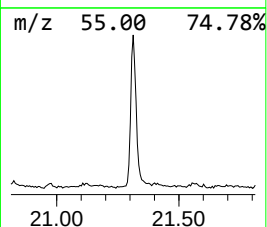
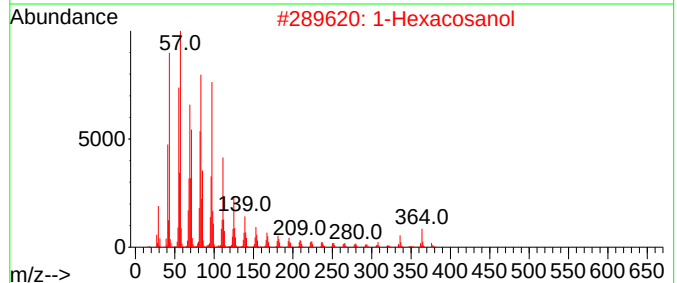
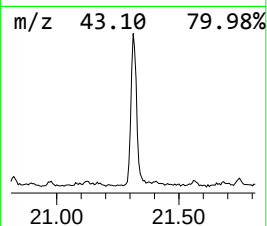
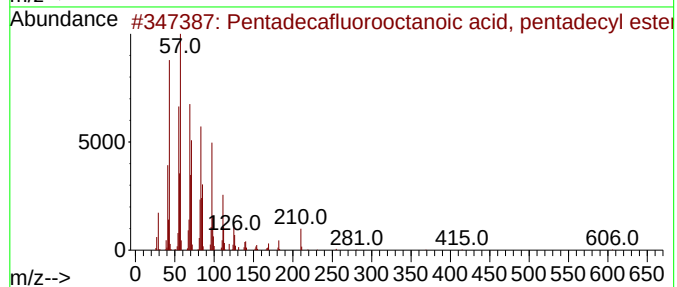
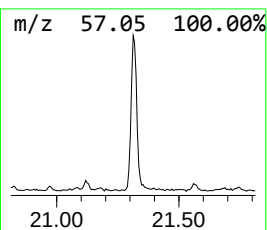
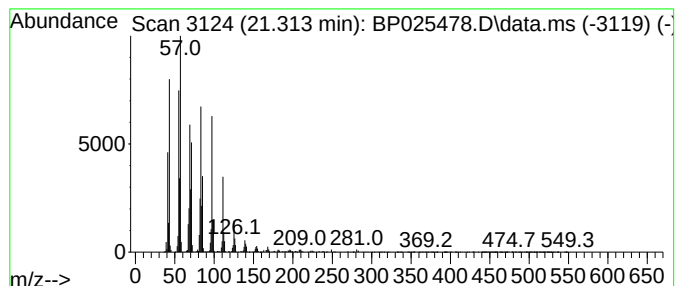
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pentadecafluorooctanoic aci... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.313	8.16 ng	1072220	Chrysene-d12	21.636

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, pe...	624	C23H31F15O2	1000406-04-5	94
2			1-Hexacosanol	382	C26H54O	000506-52-5	94
3			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5			1-Hexacosene	364	C26H52	018835-33-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025478.D
Acq On : 19 Aug 2025 16:13
Operator : CG/JU
Sample : Q2815-22
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	94.1	ng	3986230	1	7.790	847079	20.0
Propylene Glycol	3.561	4.4	ng	186788	1	7.790	847079	20.0
2-Pentanone, 4-...	4.943	7.6	ng	321772	1	7.790	847079	20.0
Tetraglyme	14.266	3.4	ng	271822	3	14.413	1624840	20.0
Benzophenone	15.789	9.9	ng	802113	3	14.413	1624840	20.0
n-Hexadecanoic ...	18.154	12.5	ng	1328460	4	17.207	2127800	20.0
Octadecanoic acid	19.466	2.9	ng	374454	5	21.636	2626550	20.0
Pentadecafluoro...	21.313	8.2	ng	1072220	5	21.636	2626550	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-23	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025479.D	1	08/14/25 09:15	08/19/25 16:55	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-23	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025479.D	1	08/14/25 09:15	08/19/25 16:55	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-23	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025479.D	1	08/14/25 09:15	08/19/25 16:55	PB169244

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

SURROGATES

367-12-4	2-Fluorophenol	85.8		19 - 119	57%	SPK: 150
13127-88-3	Phenol-d6	60.9		10 - 130	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.8		44 - 120	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.6		44 - 119	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		43 - 140	106%	SPK: 150
1718-51-0	Terphenyl-d14	90.8		50 - 134	91%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	176000	7.79
1146-65-2	Naphthalene-d8	703000	10.56
15067-26-2	Acenaphthene-d10	481000	14.413
1517-22-2	Phenanthrene-d10	1020000	17.201
1719-03-5	Chrysene-d12	1120000	21.642
1520-96-3	Perylene-d12	1230000	25.007

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	84.9	J	3.04	ug/L
000057-55-6	Propylene Glycol	6.70	J	3.56	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.30	AB	4.94	ug/L
000119-61-9	Benzophenone	6.30	J	15.8	ug/L
000057-10-3	n-Hexadecanoic acid	5.60	J	18.1	ug/L
077899-03-7	1-Heneicosyl formate	4.10	J	21.3	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-11M-N	SDG No.:	Q2815
Lab Sample ID:	Q2815-23	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025479.D	1	08/14/25 09:15	08/19/25 16:55	PB169244

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
Operator : CG/JU
Sample : Q2815-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-N

Quant Time: Aug 19 17:15:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	176367	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	703475	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	480789	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	1017063	20.000	ng	0.00
76) Chrysene-d12	21.642	240	1121358	20.000	ng	0.00
86) Perylene-d12	25.007	264	1227839	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	910982	85.779	ng	0.00
7) Phenol-d6	6.966	99	828570	60.854	ng	0.00
23) Nitrobenzene-d5	8.925	82	1332542	95.820	ng	-0.01
42) 2,4,6-Tribromophenol	15.919	330	1031151	159.338	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	3082191	87.614	ng	0.00
79) Terphenyl-d14	19.919	244	5564317	90.786	ng	0.00

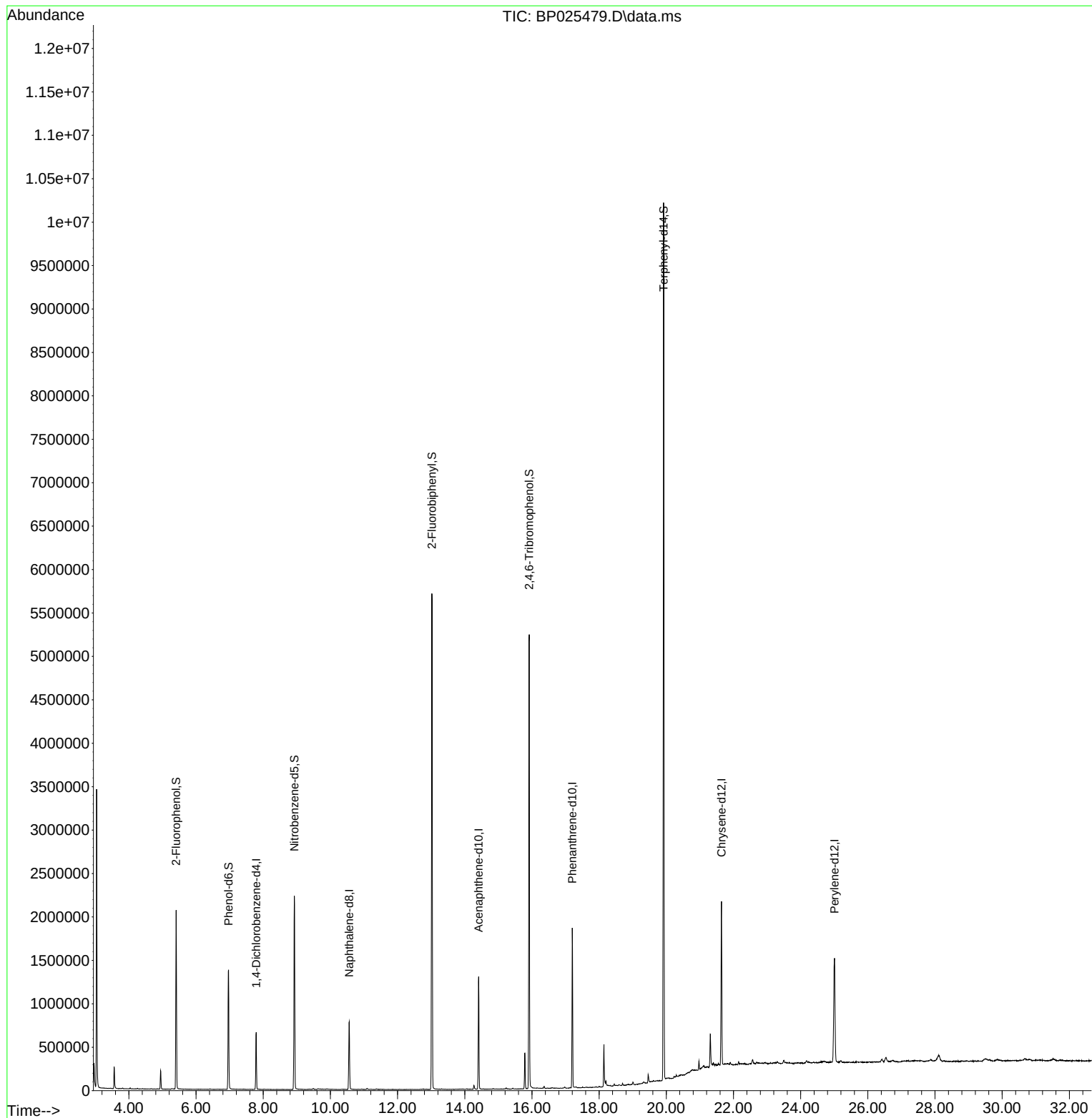
Target Compounds	Qvalue

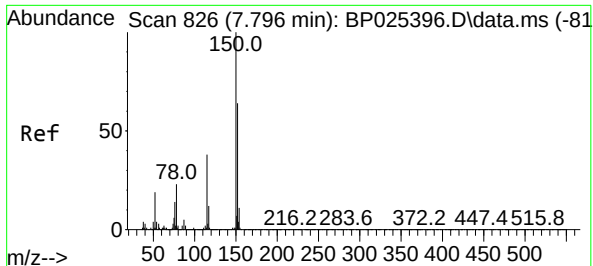
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
Operator : CG/JU
Sample : Q2815-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-N

Quant Time: Aug 19 17:15:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

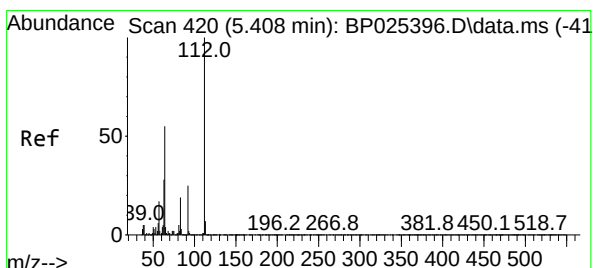
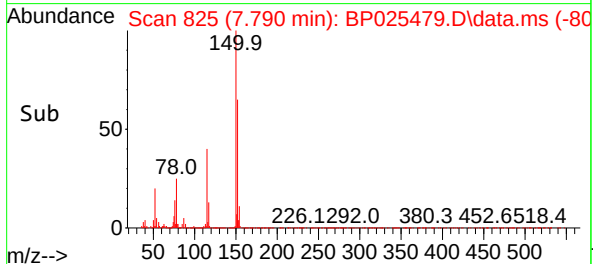
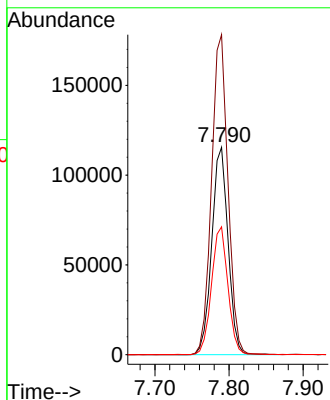
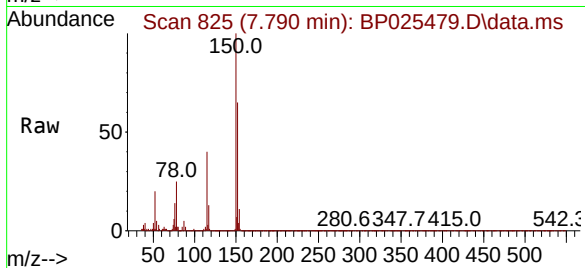




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025479.D
Acq: 19 Aug 2025 16:55

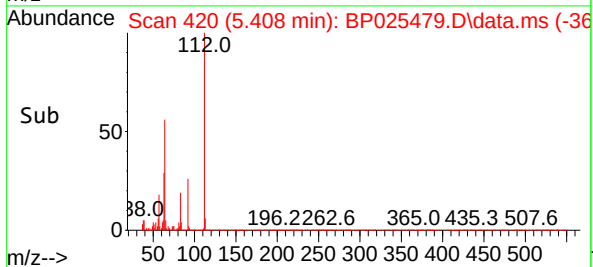
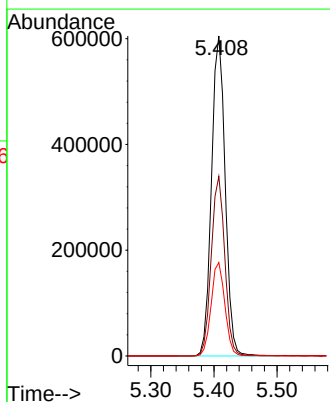
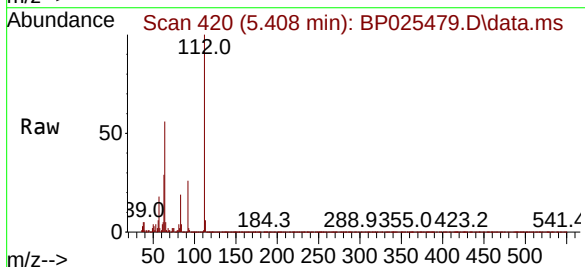
Instrument :
BNA_P
ClientSampleId :
TW-11M-N

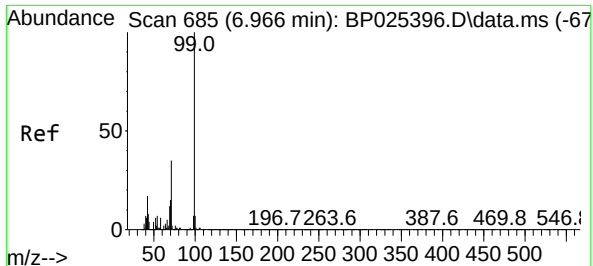
Tgt Ion:152 Resp: 176367
Ion Ratio Lower Upper
152 100
150 154.3 125.9 188.9
115 61.6 48.5 72.7



#5
2-Fluorophenol
Concen: 85.779 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025479.D
Acq: 19 Aug 2025 16:55

Tgt Ion:112 Resp: 910982
Ion Ratio Lower Upper
112 100
64 56.1 43.8 65.8
63 29.2 22.7 34.1

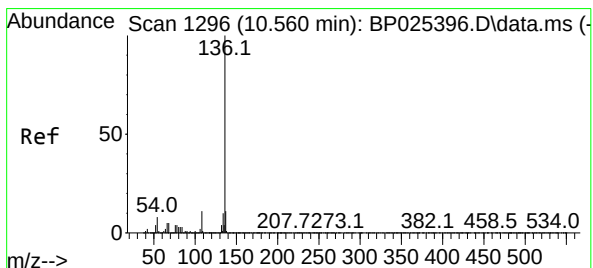
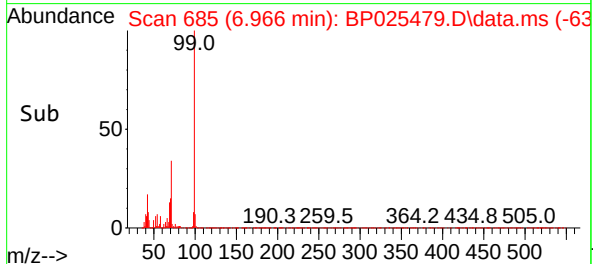
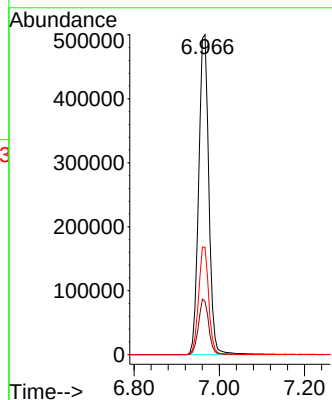
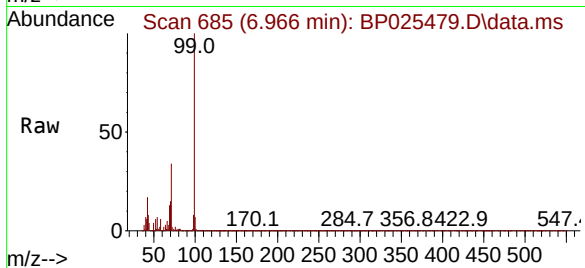




#7
Phenol-d6
Concen: 60.854 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025479.D
Acq: 19 Aug 2025 16:55

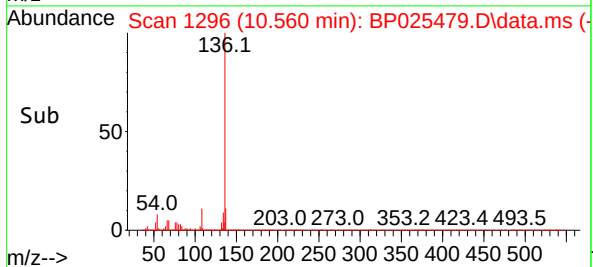
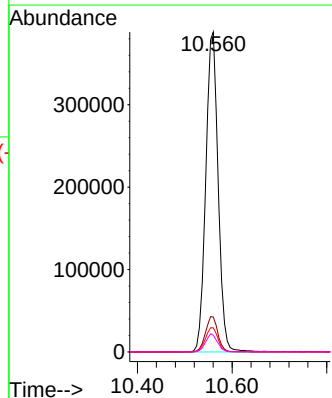
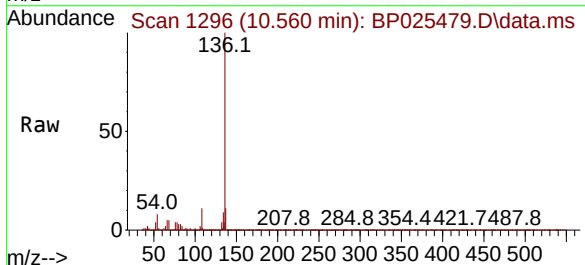
Instrument :
BNA_P
ClientSampleId :
TW-11M-N

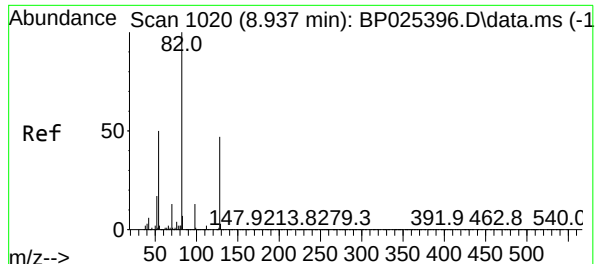
Tgt Ion: 99 Resp: 828570
Ion Ratio Lower Upper
99 100
42 16.6 13.7 20.5
71 33.6 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025479.D
Acq: 19 Aug 2025 16:55

Tgt Ion: 136 Resp: 703475
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.6 6.0 9.0
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 95.820 ng

RT: 8.925 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP025479.D

Acq: 19 Aug 2025 16:55

Instrument :

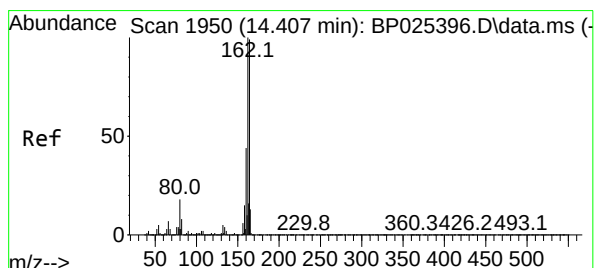
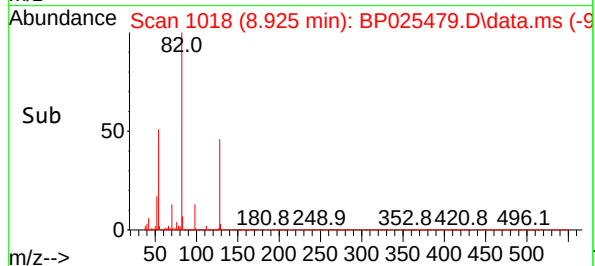
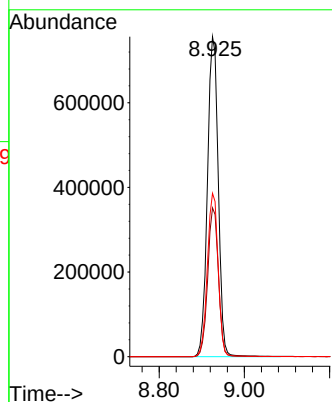
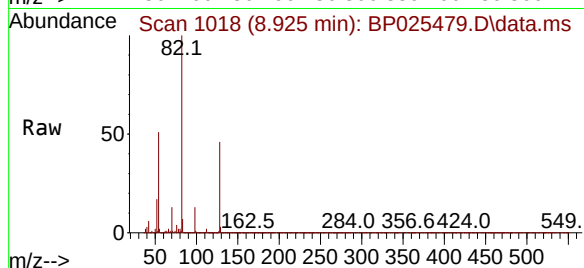
BNA_P

ClientSampleId :

TW-11M-N

Tgt Ion: 82 Resp: 1332542

Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.7	56.5
54	51.1	39.8	59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.413 min Scan# 1951

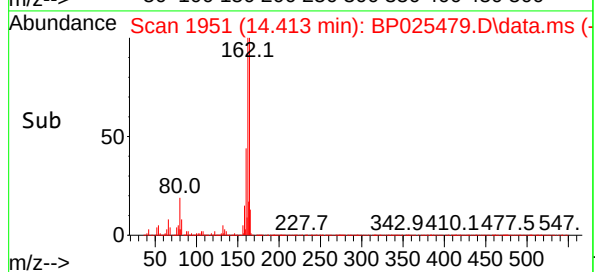
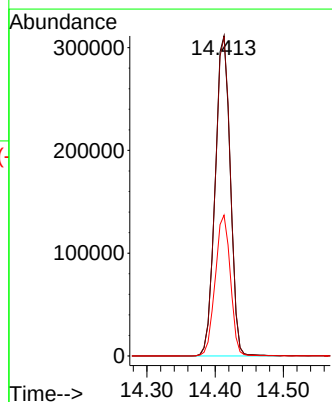
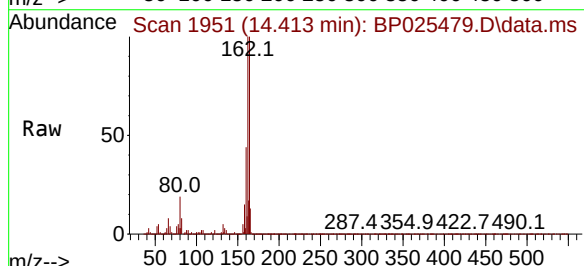
Delta R.T. 0.006 min

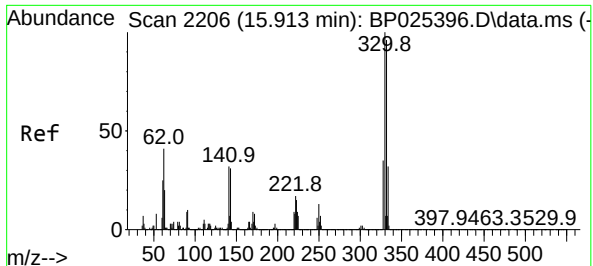
Lab File: BP025479.D

Acq: 19 Aug 2025 16:55

Tgt Ion: 164 Resp: 480789

Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.0	121.6
160	44.0	35.4	53.2

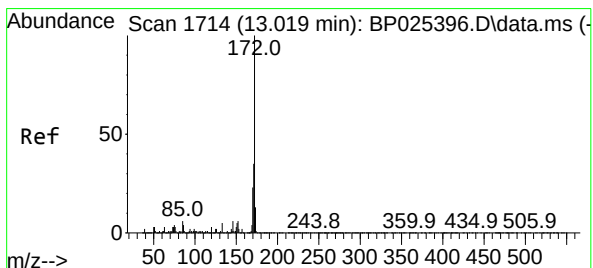
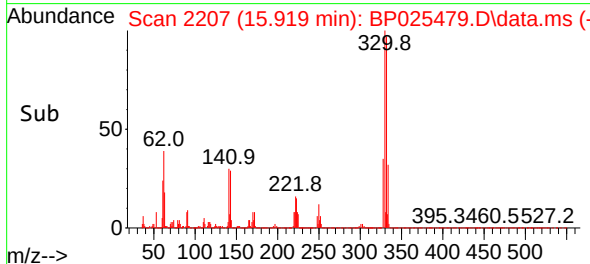
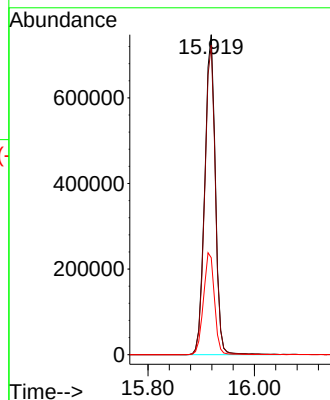
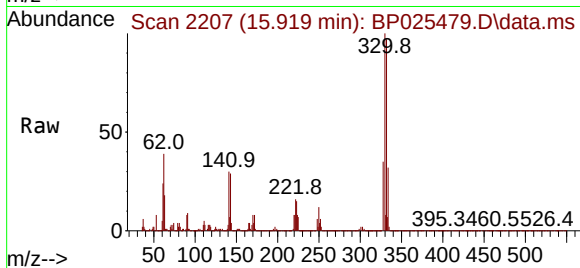




#42
2,4,6-Tribromophenol
Concen: 159.338 ng
RT: 15.919 min Scan# 211
Delta R.T. 0.006 min
Lab File: BP025479.D
Acq: 19 Aug 2025 16:55

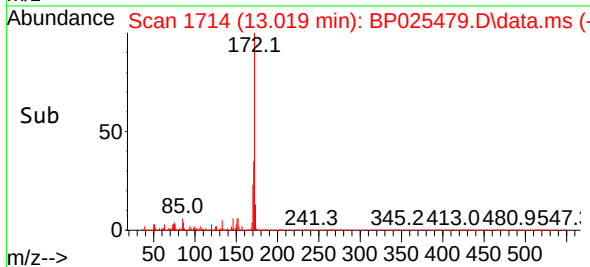
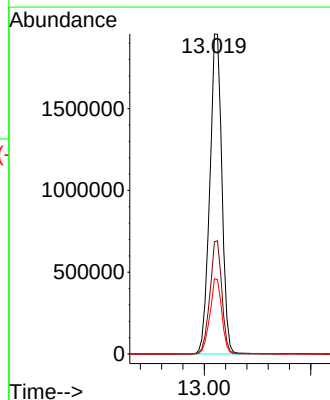
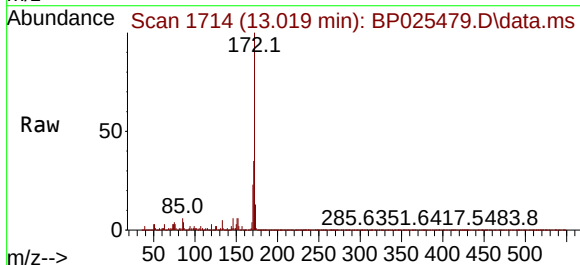
Instrument :
BNA_P
ClientSampleId :
TW-11M-N

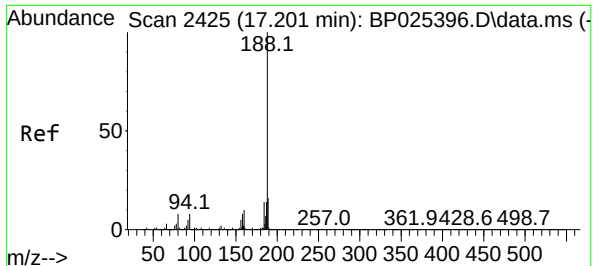
Tgt Ion:330 Resp: 1031151
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 33.2 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 87.614 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025479.D
Acq: 19 Aug 2025 16:55

Tgt Ion:172 Resp: 3082191
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.5 18.6 28.0

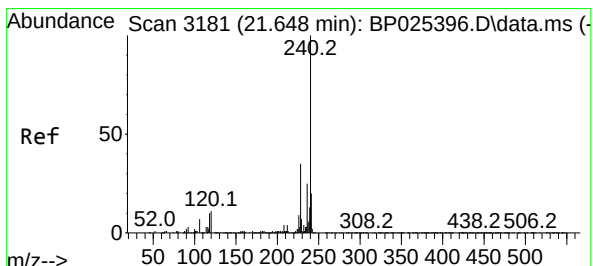
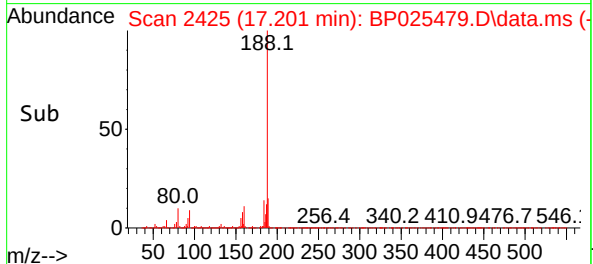
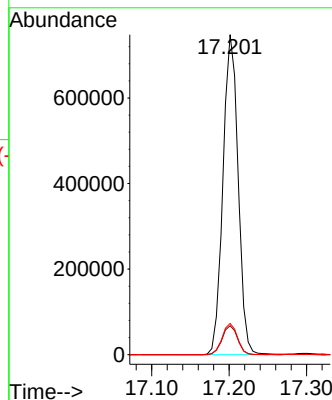
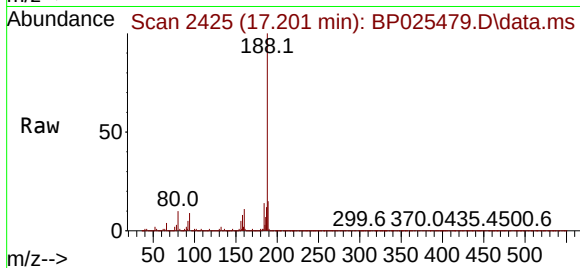




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025479.D
Acq: 19 Aug 2025 16:55

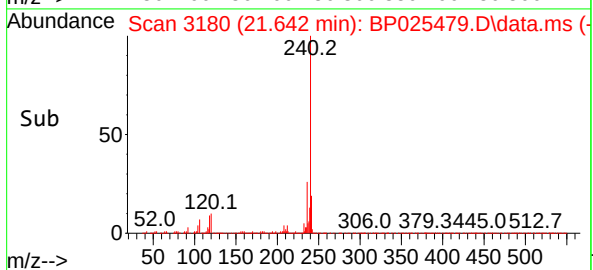
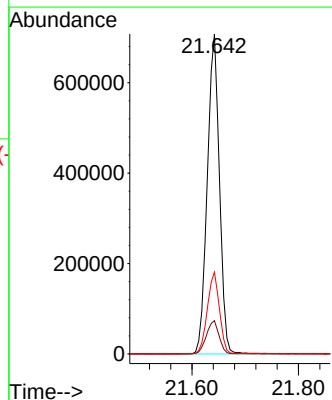
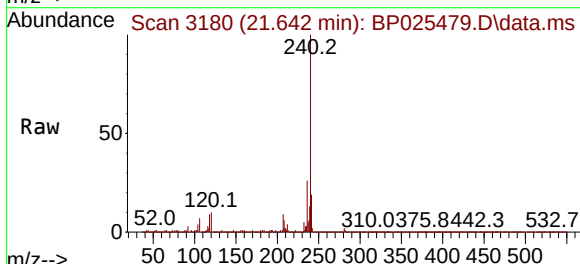
Instrument :
BNA_P
ClientSampleId :
TW-11M-N

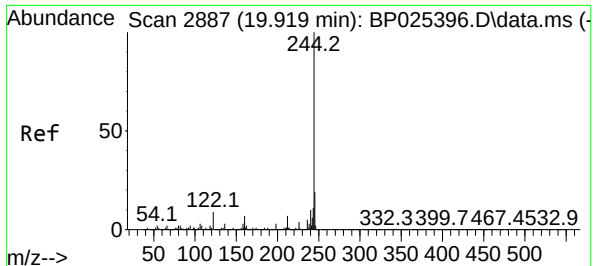
Tgt Ion:188 Resp: 1017063
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.8 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025479.D
Acq: 19 Aug 2025 16:55

Tgt Ion:240 Resp: 1121358
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 25.6 19.8 29.8

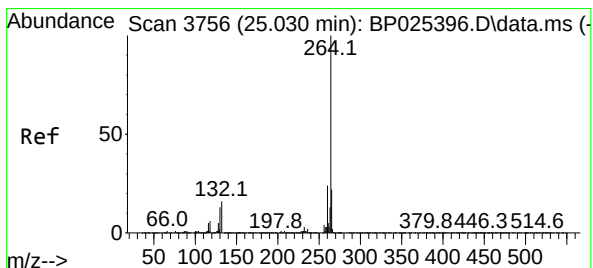
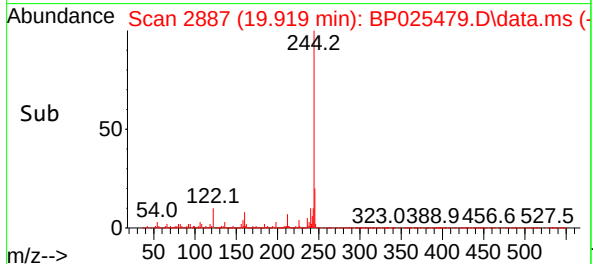
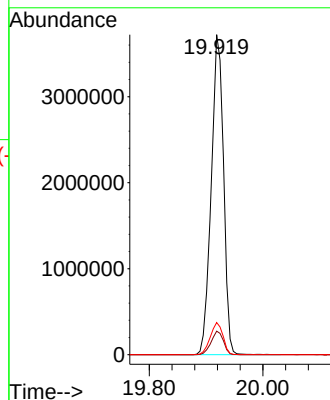
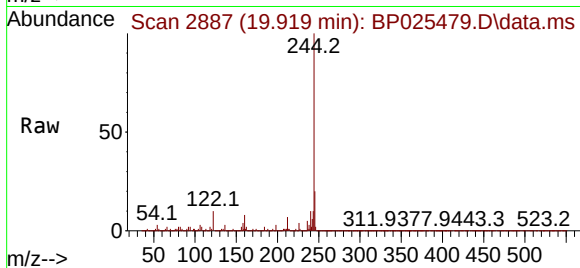




#79
Terphenyl-d14
Concen: 90.786 ng
RT: 19.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025479.D
Acq: 19 Aug 2025 16:55

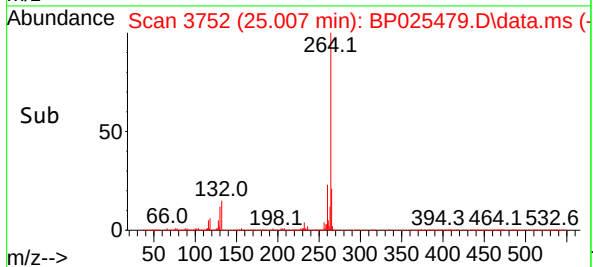
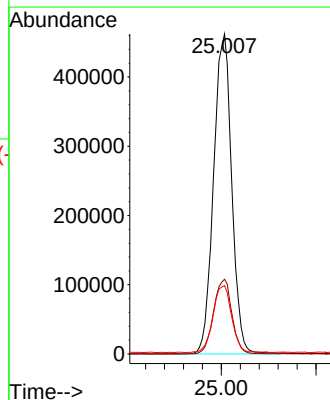
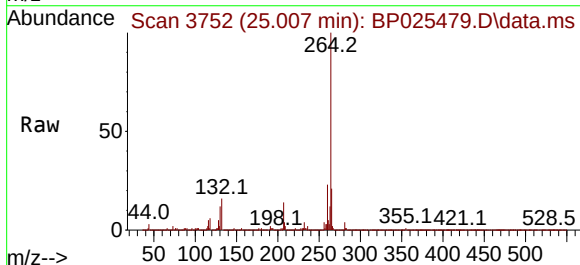
Instrument :
BNA_P
ClientSampleId :
TW-11M-N

Tgt Ion:244 Resp: 5564317
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 10.1 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.007 min Scan# 3752
Delta R.T. -0.023 min
Lab File: BP025479.D
Acq: 19 Aug 2025 16:55

Tgt Ion:264 Resp: 1227839
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 21.3 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
Operator : CG/JU
Sample : Q2815-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-N

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025479.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	12	17	30	rVB	3436184	4321923	28.50%	7.037%
2	3.561	102	106	115	rBV	251665	342646	2.26%	0.558%
3	4.943	335	341	351	rVB2	215190	318067	2.10%	0.518%
4	5.408	413	420	432	rBV	2059849	3092965	20.40%	5.036%
5	6.966	677	685	701	rBV	1375865	2305025	15.20%	3.753%
6	7.790	817	825	833	rBV	658291	1018058	6.71%	1.658%
7	8.925	1009	1018	1031	rBV	2228986	3932215	25.93%	6.403%
8	10.560	1287	1296	1313	rBV	780533	1423062	9.38%	2.317%
9	13.019	1705	1714	1725	rBV	5709980	8899178	58.68%	14.490%
10	14.413	1943	1951	1968	rBV	1296305	2028878	13.38%	3.304%
11	15.789	2177	2185	2192	rBV	413074	637238	4.20%	1.038%
12	15.919	2199	2207	2223	rBV	5228600	7655899	50.48%	12.466%
13	17.201	2419	2425	2434	rBV2	1841655	2534221	16.71%	4.126%
14	18.142	2579	2585	2592	rBV	489392	714110	4.71%	1.163%
15	19.460	2805	2809	2815	rBV	99067	170857	1.13%	0.278%
16	19.919	2880	2887	2898	rBV	10105527	15164992	100.00%	24.692%
17	21.307	3119	3123	3133	rBV	369275	625126	4.12%	1.018%
18	21.642	3173	3180	3187	rBV	1886663	3039373	20.04%	4.949%
19	25.007	3743	3752	3764	rVB2	1193284	3192102	21.05%	5.198%

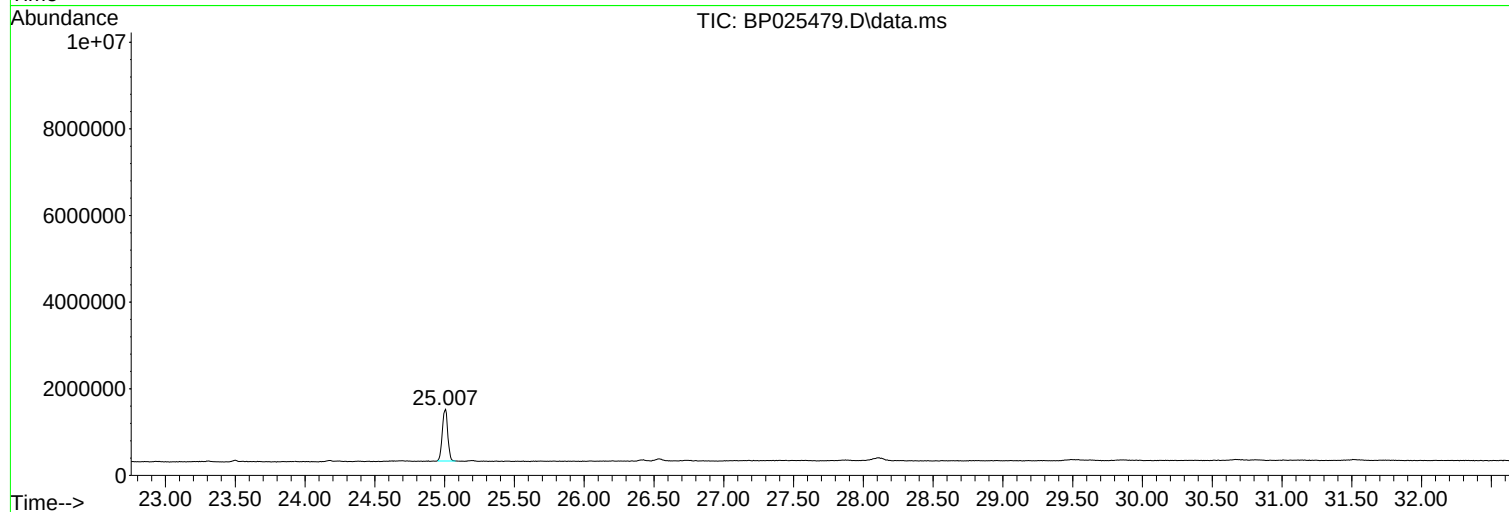
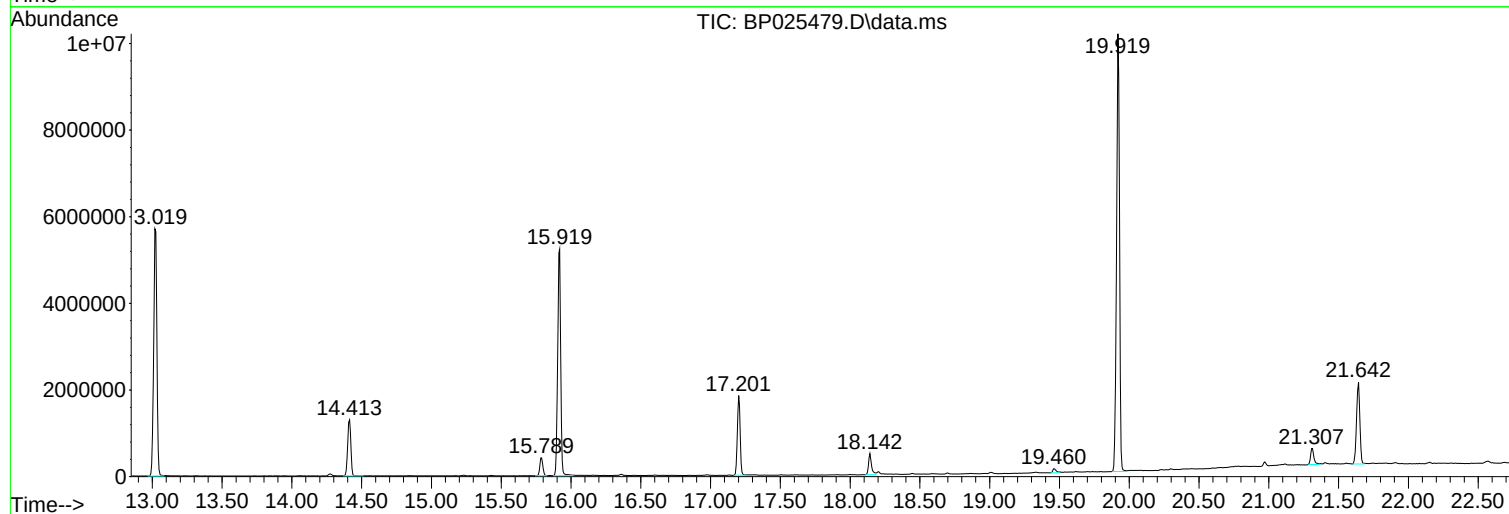
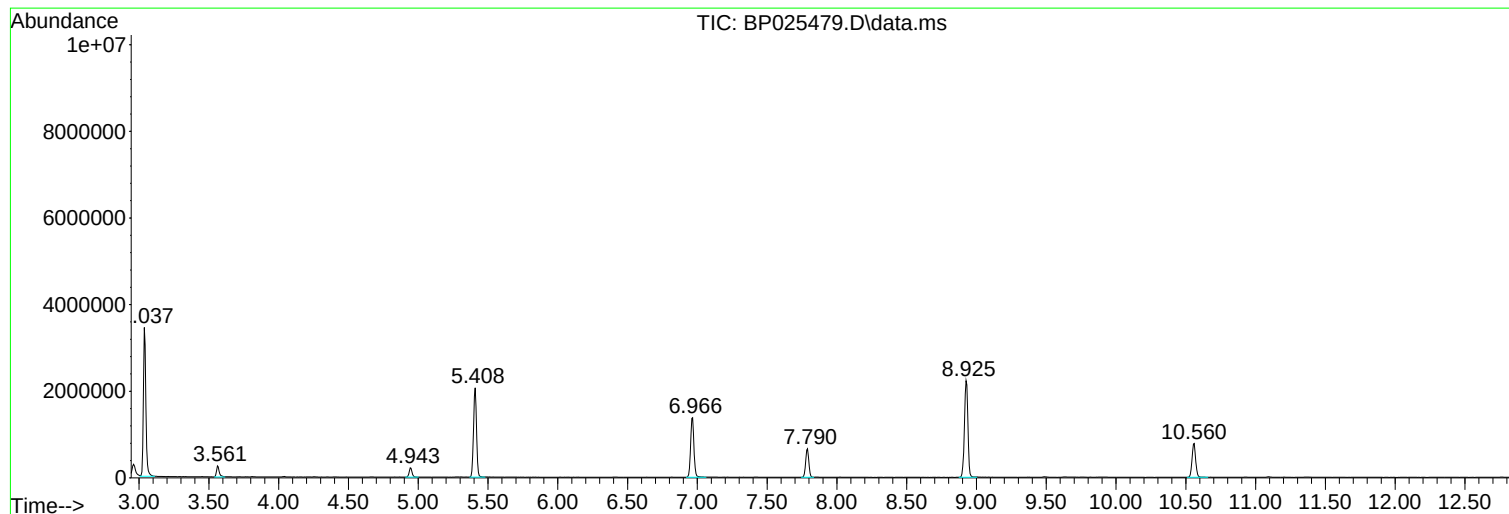
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Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
Operator : CG/JU
Sample : Q2815-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
Operator : CG/JU
Sample : Q2815-23
Misc :
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Instrument :
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ClientSampleId :
TW-11M-N

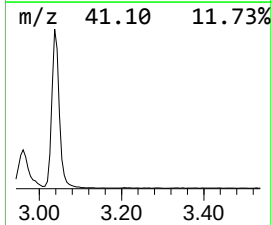
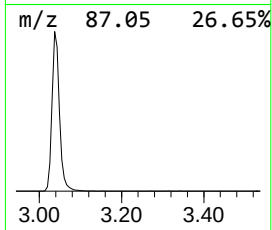
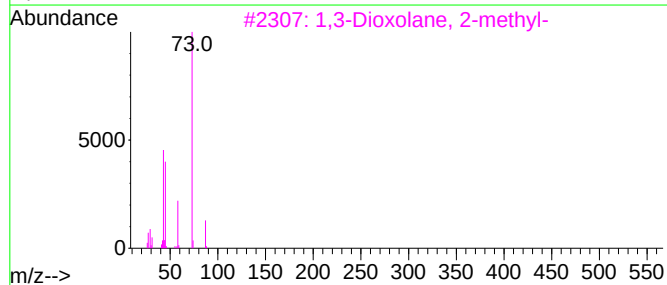
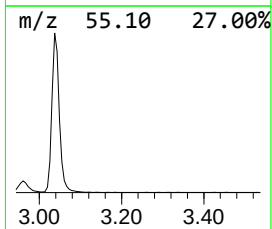
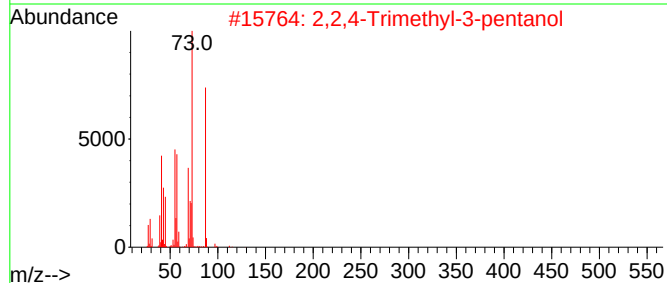
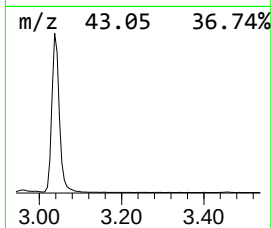
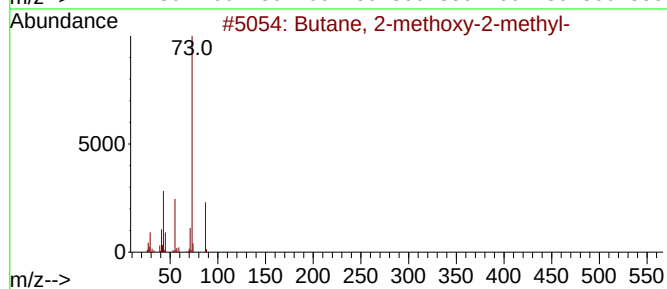
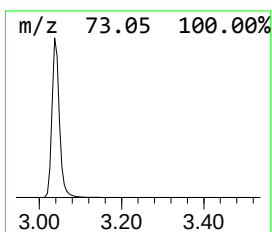
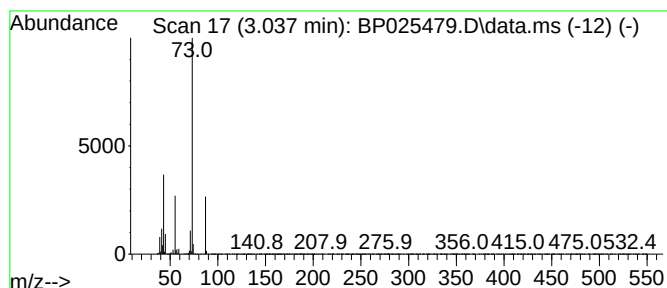
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	84.91 ng	4321920	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
Operator : CG/JU
Sample : Q2815-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-N

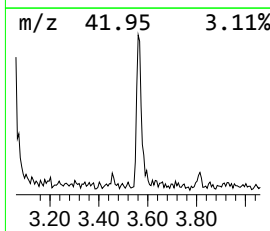
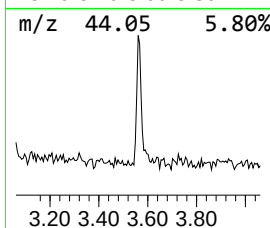
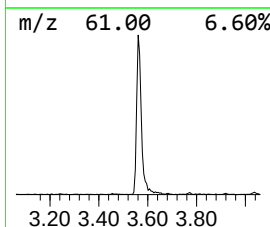
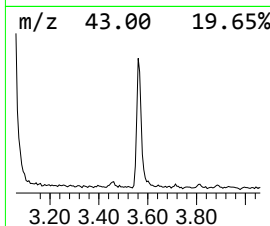
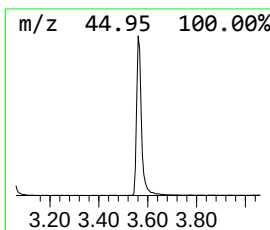
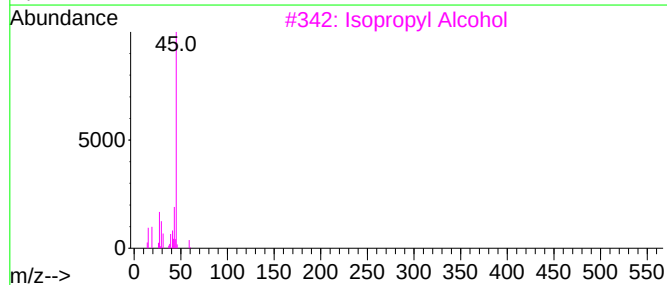
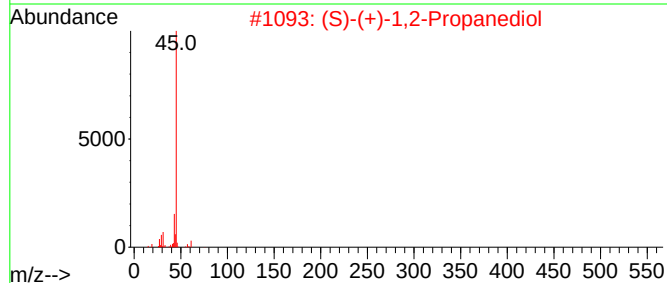
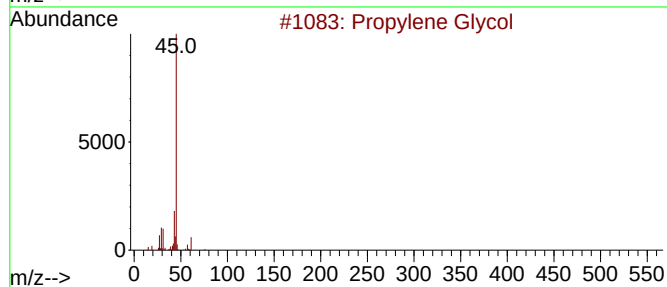
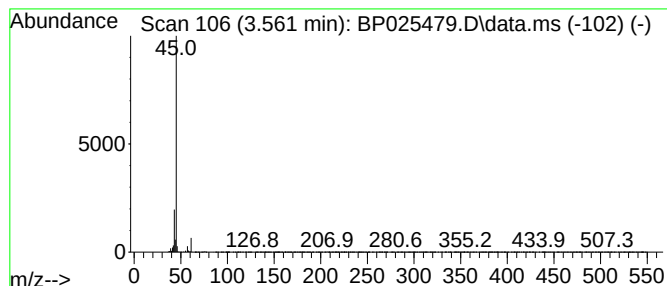
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Propylene Glycol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.561	6.73 ng	342646	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propylene Glycol	76	C3H8O2	000057-55-6	86
2			(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	64
3			Isopropyl Alcohol	60	C3H8O	000067-63-0	56
4			Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	000547-64-8	40
5			Propane, 2-ethoxy-	88	C5H12O	000625-54-7	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
Operator : CG/JU
Sample : Q2815-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

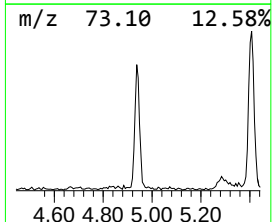
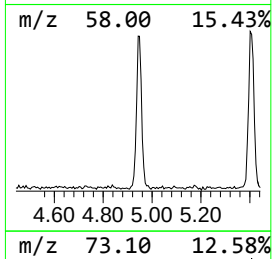
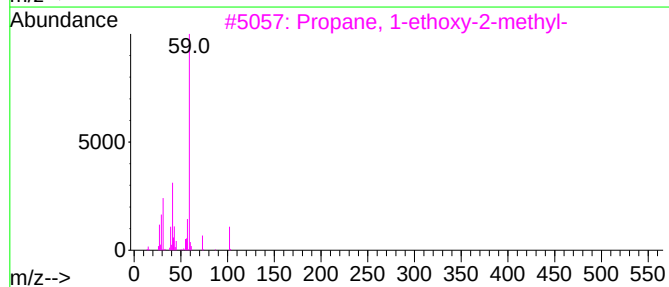
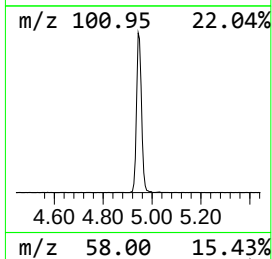
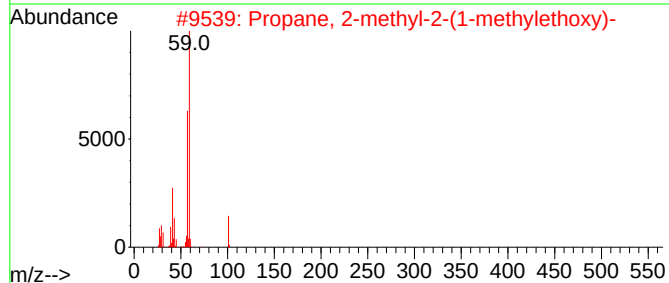
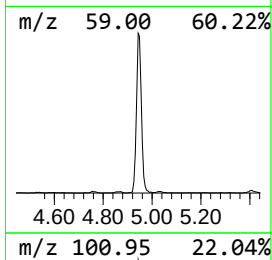
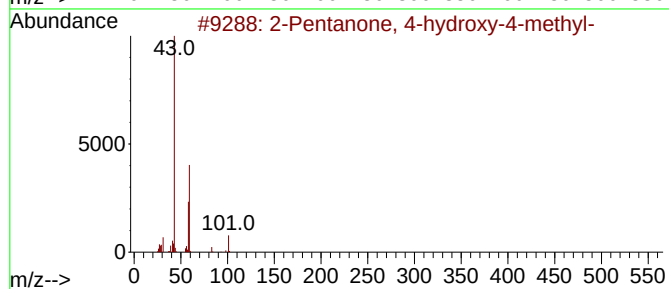
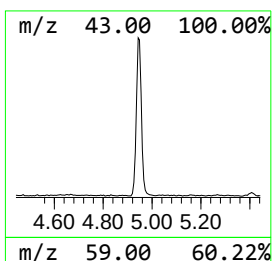
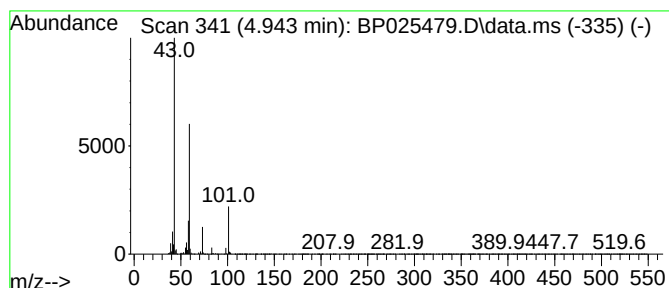
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.943	6.25 ng	318067	1,4-Dichlorobenzene-d4	7.790	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	37
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	17
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
Operator : CG/JU
Sample : Q2815-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

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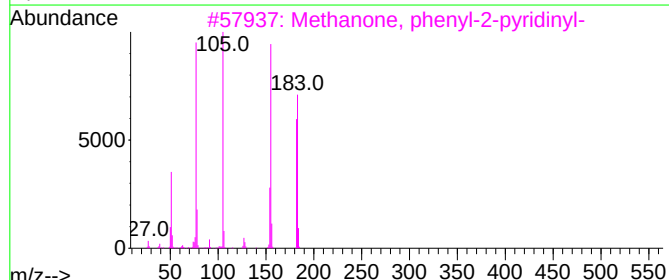
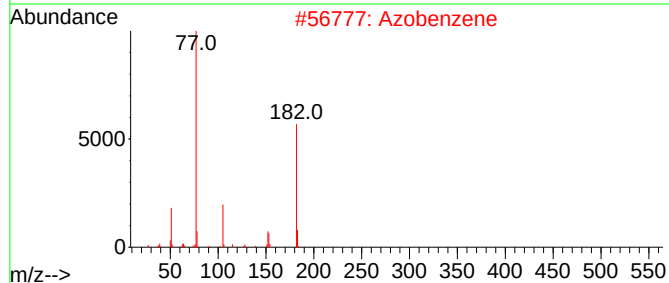
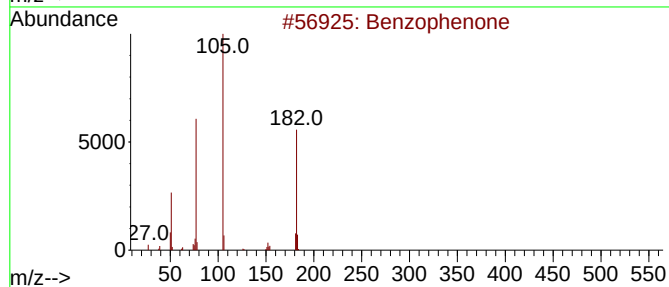
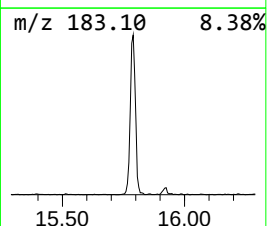
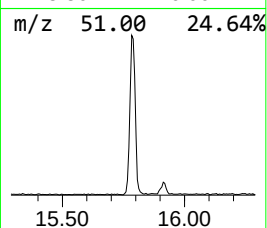
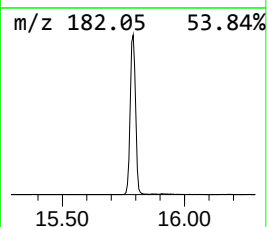
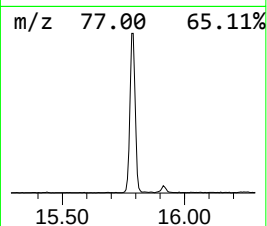
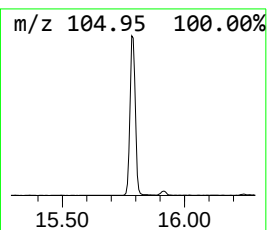
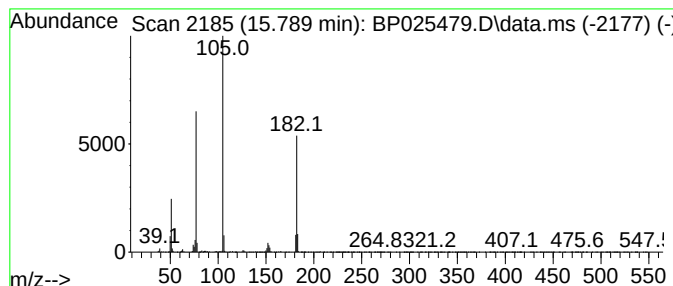
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.789	6.28 ng	637238	Acenaphthene-d10	14.413

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	72
3			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4			Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
5			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	39



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
Operator : CG/JU
Sample : Q2815-23
Misc :
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ClientSampleId :
TW-11M-N

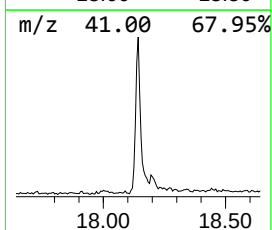
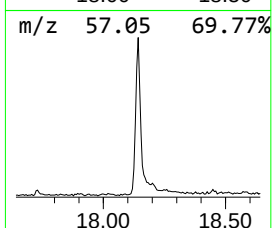
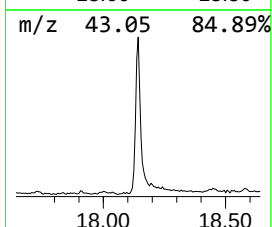
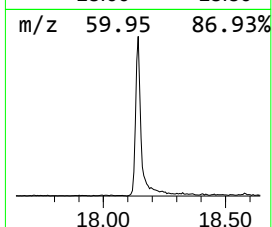
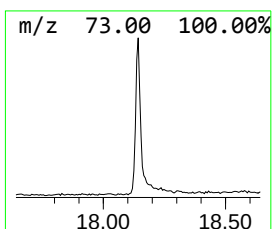
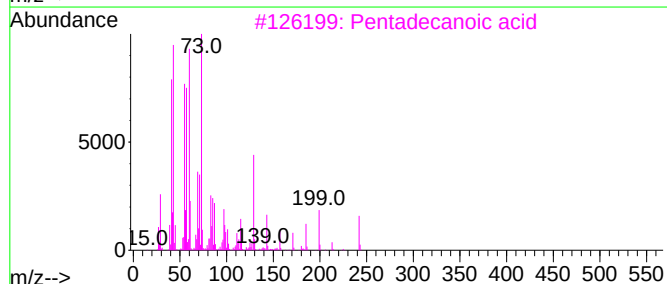
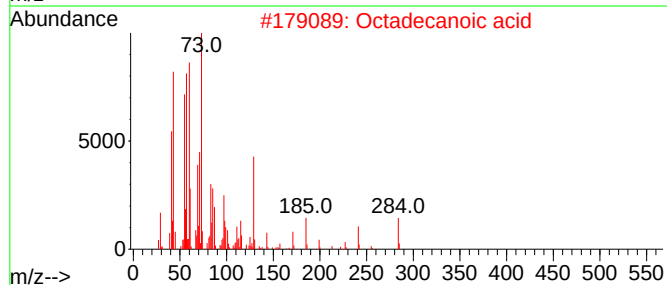
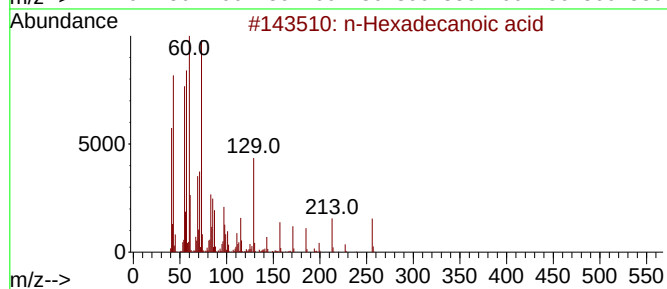
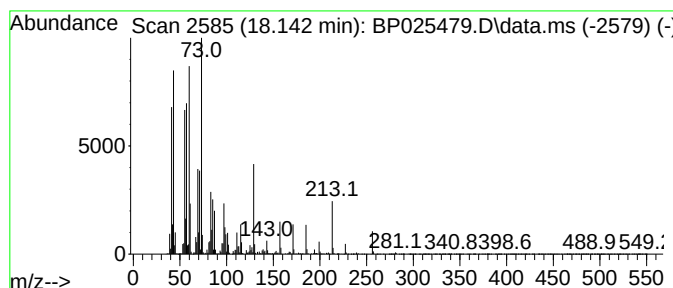
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	5.64 ng	714110	Phenanthrene-d10	17.201

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Octadecanoic acid	284	C18H36O2	000057-11-4	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4			Tridecanoic acid	214	C13H26O2	000638-53-9	81
5			n-Decanoic acid	172	C10H20O2	000334-48-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
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ALS Vial : 11 Sample Multiplier: 1

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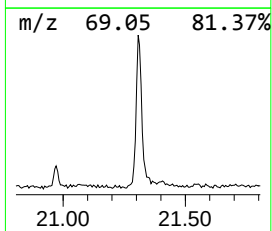
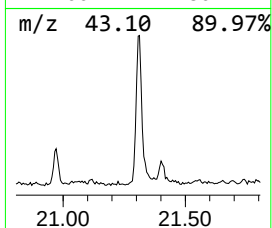
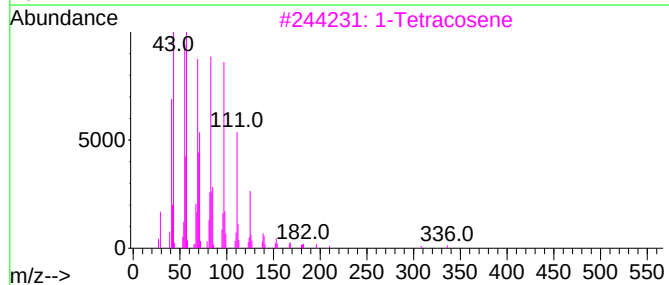
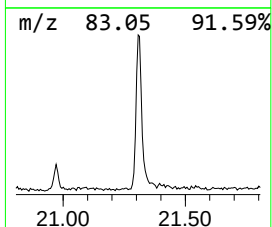
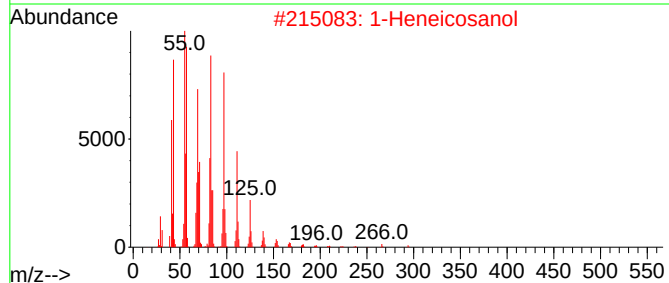
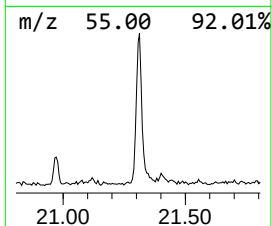
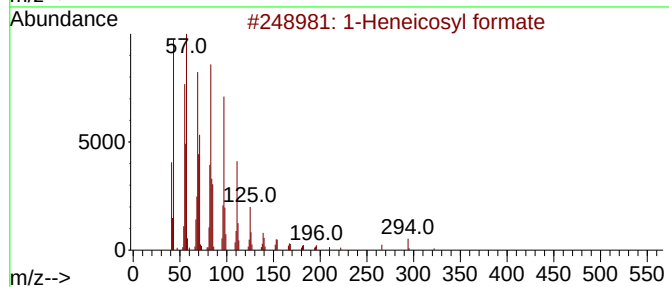
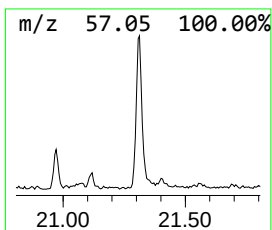
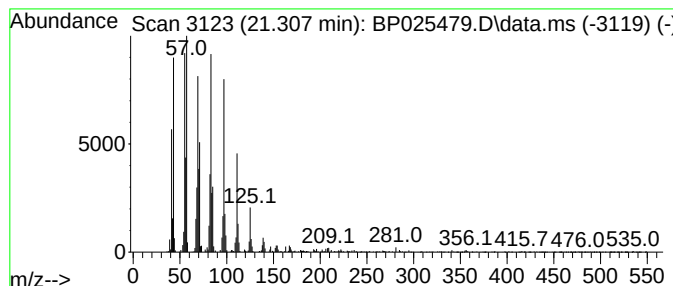
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Heneicosyl formate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.307	4.11 ng	625126	Chrysene-d12	21.642

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heneicosyl formate	340	C22H44O2	077899-03-7	99
2			1-Heneicosanol	312	C21H44O	015594-90-8	95
3			1-Tetracosene	336	C24H48	010192-32-2	95
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025479.D
Acq On : 19 Aug 2025 16:55
Operator : CG/JU
Sample : Q2815-23
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TW-11M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	84.9	ng	4321920	1	7.790	1018060	20.0
Propylene Glycol	3.561	6.7	ng	342646	1	7.790	1018060	20.0
2-Pentanone, 4-...	4.943	6.3	ng	318067	1	7.790	1018060	20.0
Benzophenone	15.789	6.3	ng	637238	3	14.413	2028880	20.0
n-Hexadecanoic ...	18.142	5.6	ng	714110	4	17.201	2534220	20.0
1-Heneicosyl fo...	21.307	4.1	ng	625126	5	21.642	3039370	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2815
Lab Sample ID:	Q2815-26	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025480.D	1	08/14/25 09:15	08/19/25 17:36	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.20	U	4.00	8.20	10.2	ug/L
108-95-2	Phenol	4.10	U	0.93	4.10	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.10	U	0.83	4.10	5.10	ug/L
95-57-8	2-Chlorophenol	4.10	U	0.59	4.10	5.10	ug/L
95-48-7	2-Methylphenol	4.10	U	1.10	4.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.10	U	1.30	4.10	5.10	ug/L
98-86-2	Acetophenone	4.10	U	0.76	4.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.20	U	1.10	8.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.60	U	1.40	2.60	2.60	ug/L
67-72-1	Hexachloroethane	4.10	U	0.66	4.10	5.10	ug/L
98-95-3	Nitrobenzene	4.10	U	0.78	4.10	5.10	ug/L
78-59-1	Isophorone	4.10	U	0.77	4.10	5.10	ug/L
88-75-5	2-Nitrophenol	4.10	U	1.80	4.10	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.10	U	1.90	4.10	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.10	U	0.69	4.10	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.10	U	0.53	4.10	5.10	ug/L
91-20-3	Naphthalene	4.10	U	0.51	4.10	5.10	ug/L
106-47-8	4-Chloroaniline	4.10	U	0.86	4.10	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.10	U	0.55	4.10	5.10	ug/L
105-60-2	Caprolactam	8.20	U	1.20	8.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	4.10	U	0.60	4.10	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.10	U	0.57	4.10	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.20	U	3.70	8.20	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	4.10	U	0.52	4.10	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.10	U	0.63	4.10	5.10	ug/L
92-52-4	1,1-Biphenyl	4.10	U	0.54	4.10	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.10	U	0.62	4.10	5.10	ug/L
88-74-4	2-Nitroaniline	4.10	U	1.30	4.10	5.10	ug/L
131-11-3	Dimethylphthalate	4.10	U	0.62	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2815
Lab Sample ID:	Q2815-26	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025480.D	1	08/14/25 09:15	08/19/25 17:36	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.10	U	0.77	4.10	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.10	U	0.94	4.10	5.10	ug/L
99-09-2	3-Nitroaniline	4.10	U	1.10	4.10	5.10	ug/L
83-32-9	Acenaphthene	4.10	U	0.56	4.10	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.20	U	6.10	8.20	10.2	ug/L
100-02-7	4-Nitrophenol	8.20	U	2.40	8.20	10.2	ug/L
132-64-9	Dibenzofuran	4.10	U	0.62	4.10	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.10	U	1.20	4.10	5.10	ug/L
84-66-2	Diethylphthalate	4.10	U	0.70	4.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.10	U	0.69	4.10	5.10	ug/L
86-73-7	Fluorene	4.10	U	0.64	4.10	5.10	ug/L
100-01-6	4-Nitroaniline	4.10	U	1.50	4.10	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.20	U	2.90	8.20	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	4.10	U	0.59	4.10	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.10	U	0.41	4.10	5.10	ug/L
118-74-1	Hexachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
1912-24-9	Atrazine	4.10	U	1.00	4.10	5.10	ug/L
87-86-5	Pentachlorophenol	8.20	U	1.60	8.20	10.2	ug/L
85-01-8	Phenanthrene	4.10	U	0.51	4.10	5.10	ug/L
120-12-7	Anthracene	4.10	U	0.62	4.10	5.10	ug/L
86-74-8	Carbazole	4.10	U	0.73	4.10	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.10	U	1.20	4.10	5.10	ug/L
206-44-0	Fluoranthene	4.10	U	0.84	4.10	5.10	ug/L
129-00-0	Pyrene	4.10	U	0.51	4.10	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.10	U	2.00	4.10	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.20	U	0.95	8.20	10.2	ug/L
56-55-3	Benzo(a)anthracene	4.10	U	0.46	4.10	5.10	ug/L
218-01-9	Chrysene	4.10	U	0.45	4.10	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.10	U	1.60	4.10	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.20	U	2.40	8.20	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	4.10	U	0.50	4.10	5.10	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2815
Lab Sample ID:	Q2815-26	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :		GPC Cleanup :	N
		Level :	LOW
		Test:	SVOC-TCL BNA -20
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025480.D	1	08/14/25 09:15	08/19/25 17:36	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.10	U	0.49	4.10	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.10	U	0.56	4.10	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.10	U	0.60	4.10	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.10	U	0.68	4.10	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.10	U	0.70	4.10	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
123-91-1	1,4-Dioxane	4.10	U	1.00	4.10	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.10	U	0.73	4.10	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	69.1		19 - 119		46%	SPK: 150
13127-88-3	Phenol-d6	42.2		10 - 130		28%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.9		44 - 120		88%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.0		44 - 119		80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		43 - 140		93%	SPK: 150
1718-51-0	Terphenyl-d14	80.6		50 - 134		81%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	167000	7.79
1146-65-2	Naphthalene-d8	640000	10.56
15067-26-2	Acenaphthene-d10	413000	14.401
1517-22-2	Phenanthrene-d10	881000	17.195
1719-03-5	Chrysene-d12	1060000	21.648
1520-96-3	Perylene-d12	1160000	25.012

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	100	J		3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.60	AB		4.95	ug/L
000462-95-3	Methane, diethoxy-	2.10	J		11.1	ug/L
029911-28-2	2-Propanol, 1-(2-butoxy-1-methylet	3.10	J		11.2	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2815
Lab Sample ID:	Q2815-26	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025480.D	1	08/14/25 09:15	08/19/25 17:36	PB169244

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025480.D
Acq On : 19 Aug 2025 17:36
Operator : CG/JU
Sample : Q2815-26
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB

Quant Time: Aug 19 17:57:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	167066	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	639641	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	412613	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	881450	20.000	ng	# 0.00
76) Chrysene-d12	21.648	240	1063194	20.000	ng	0.00
86) Perylene-d12	25.012	264	1155861	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	694786	69.064	ng	0.00
7) Phenol-d6	6.966	99	544321	42.203	ng	0.00
23) Nitrobenzene-d5	8.931	82	1111466	87.899	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	778281	140.135	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2413855	79.953	ng	0.00
79) Terphenyl-d14	19.919	244	4686639	80.649	ng	0.00

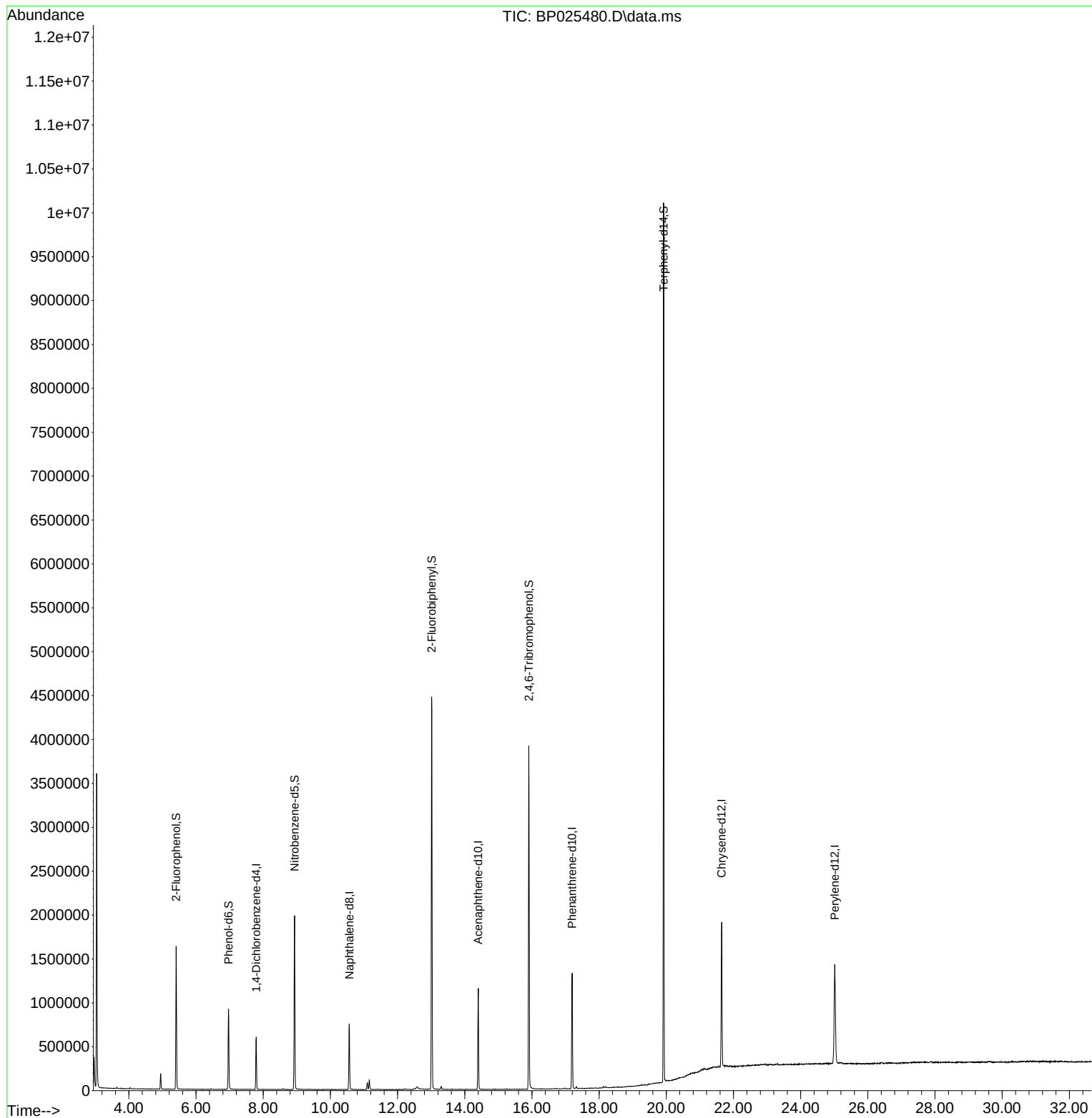
Target Compounds	Qvalue
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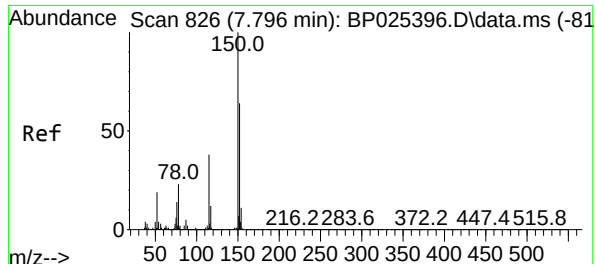
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025480.D
Acq On : 19 Aug 2025 17:36
Operator : CG/JU
Sample : Q2815-26
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB

Quant Time: Aug 19 17:57:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

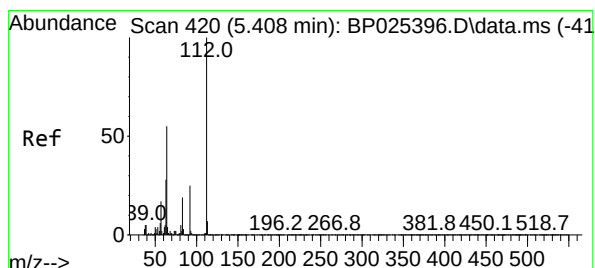
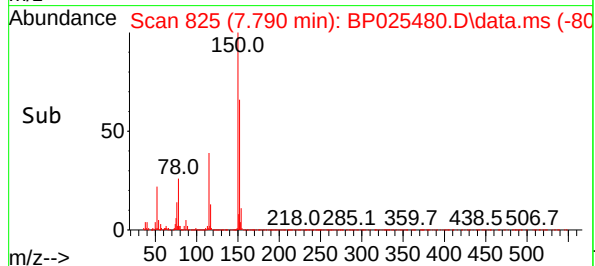
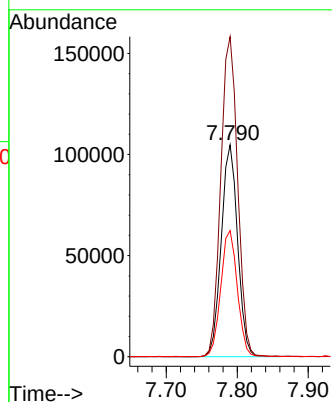
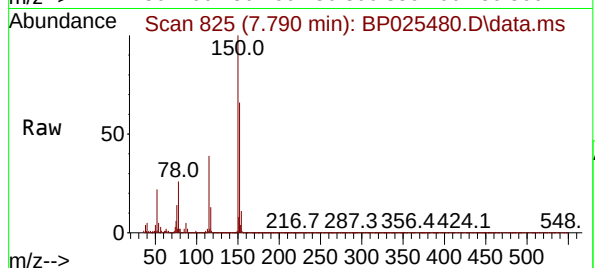




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025480.D
Acq: 19 Aug 2025 17:36

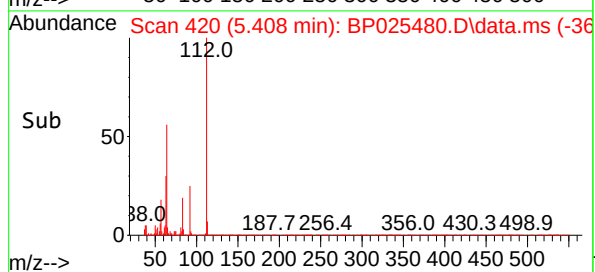
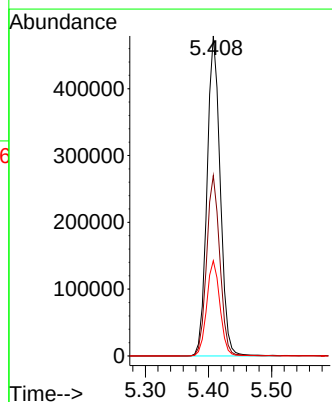
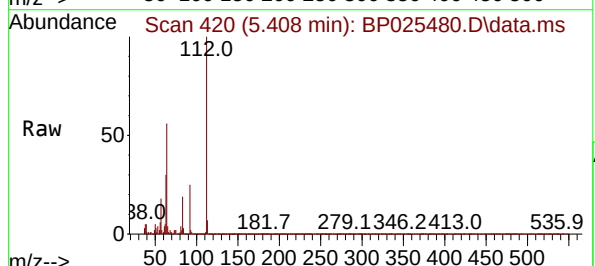
Instrument :
BNA_P
ClientSampleId :
FB

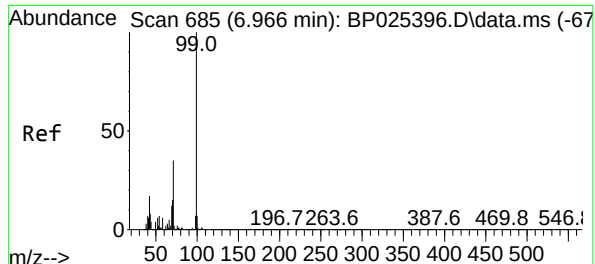
Tgt Ion:152 Resp: 167066
Ion Ratio Lower Upper
152 100
150 151.1 125.9 188.9
115 59.6 48.5 72.7



#5
2-Fluorophenol
Concen: 69.064 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025480.D
Acq: 19 Aug 2025 17:36

Tgt Ion:112 Resp: 694786
Ion Ratio Lower Upper
112 100
64 56.4 43.8 65.8
63 29.8 22.7 34.1

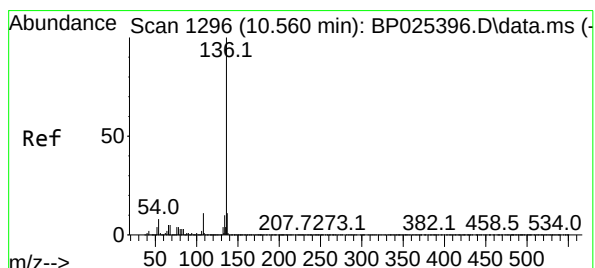
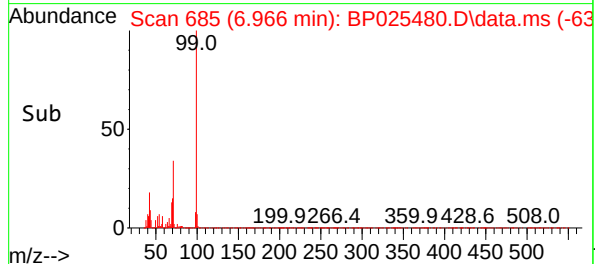
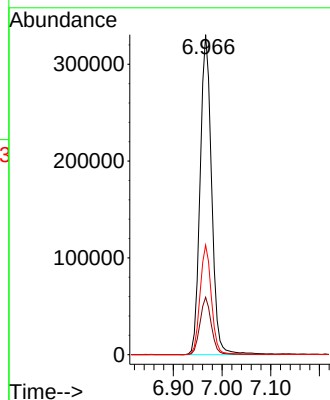
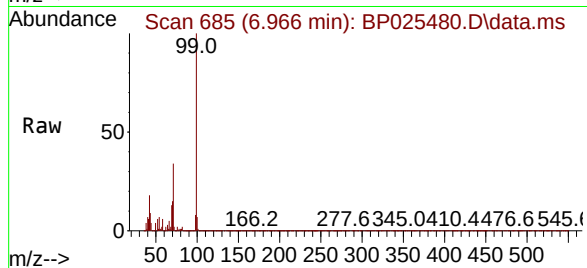




#7
Phenol-d6
Concen: 42.203 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025480.D
Acq: 19 Aug 2025 17:36

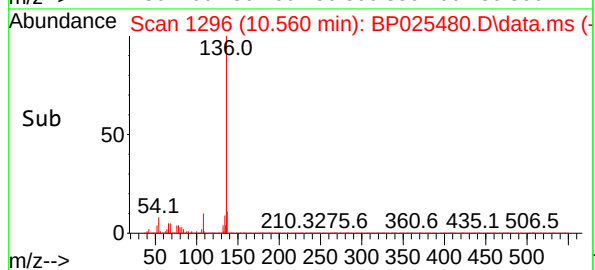
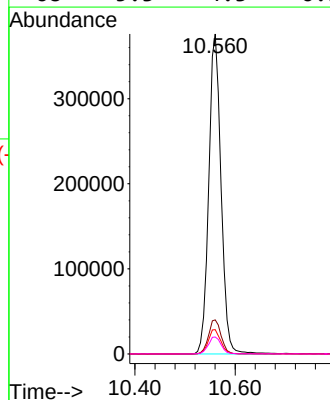
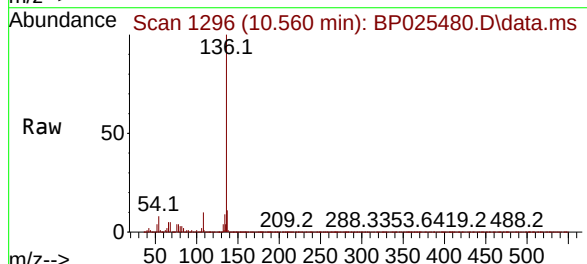
Instrument :
BNA_P
ClientSampleId :
FB

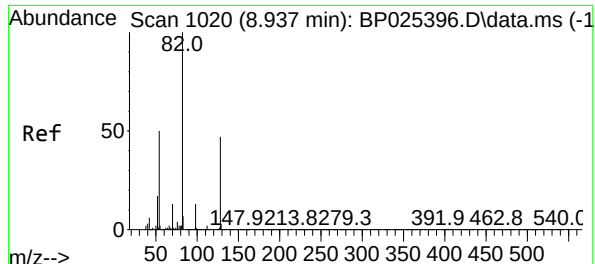
Tgt Ion: 99 Resp: 544321
Ion Ratio Lower Upper
99 100
42 17.9 13.7 20.5
71 34.2 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025480.D
Acq: 19 Aug 2025 17:36

Tgt Ion: 136 Resp: 639641
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 7.6 6.0 9.0
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 87.899 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025480.D

Acq: 19 Aug 2025 17:36

Instrument :

BNA_P

ClientSampleId :

FB

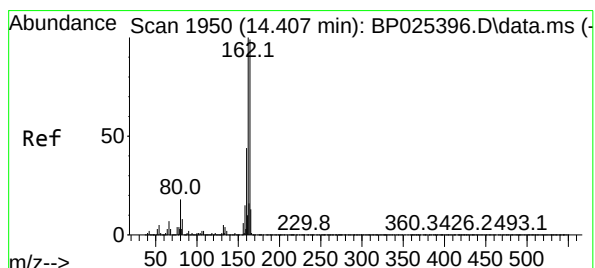
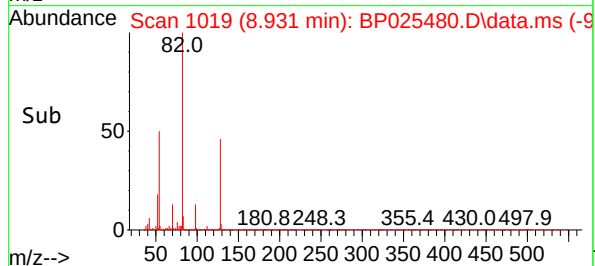
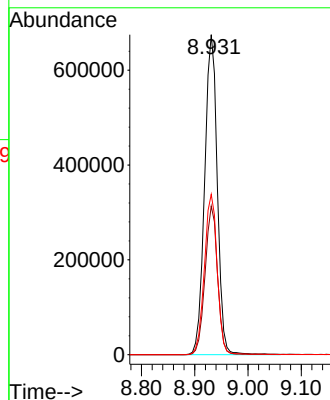
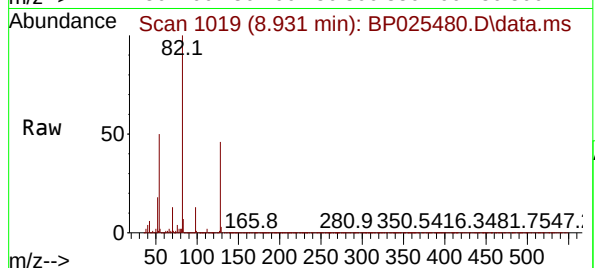
Tgt Ion: 82 Resp: 1111466

Ion Ratio Lower Upper

82 100

128 46.5 37.7 56.5

54 50.1 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP025480.D

Acq: 19 Aug 2025 17:36

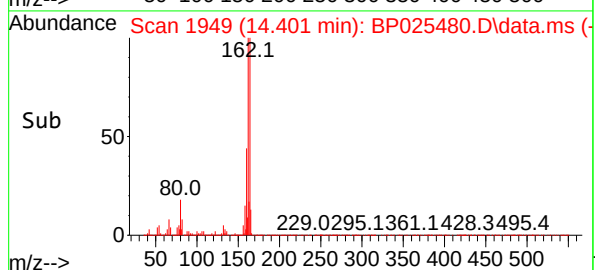
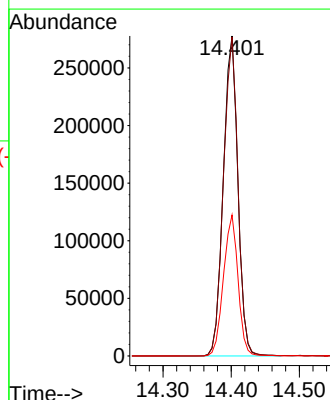
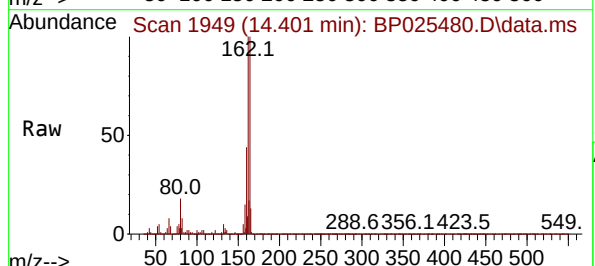
Tgt Ion: 164 Resp: 412613

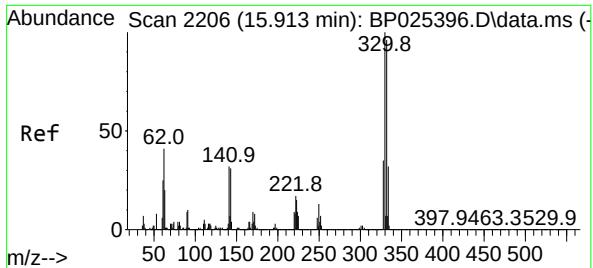
Ion Ratio Lower Upper

164 100

162 99.7 81.0 121.6

160 44.1 35.4 53.2

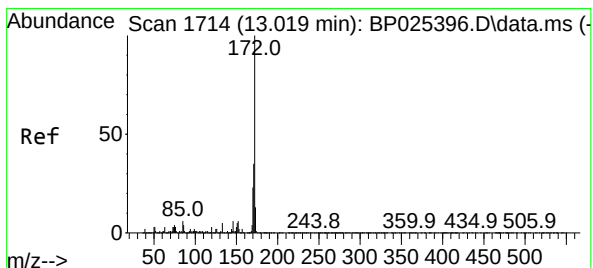
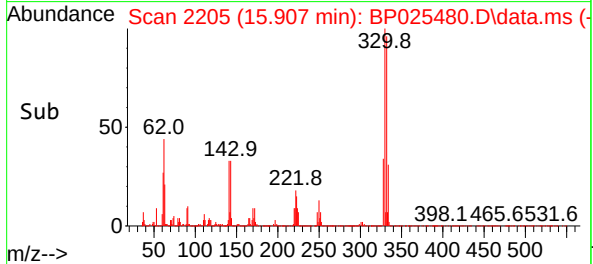
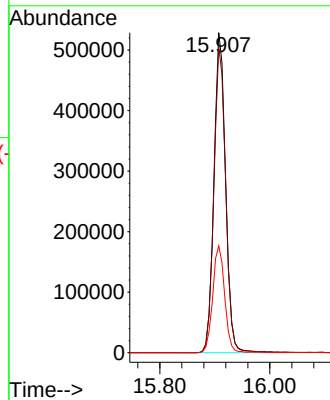
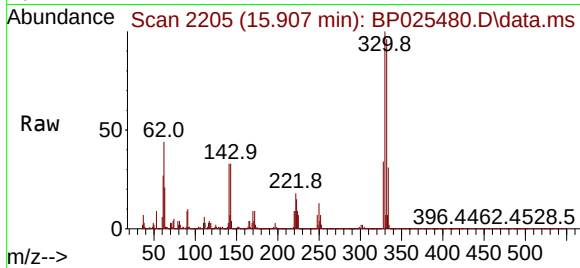




#42
2,4,6-Tribromophenol
Concen: 140.135 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025480.D
Acq: 19 Aug 2025 17:36

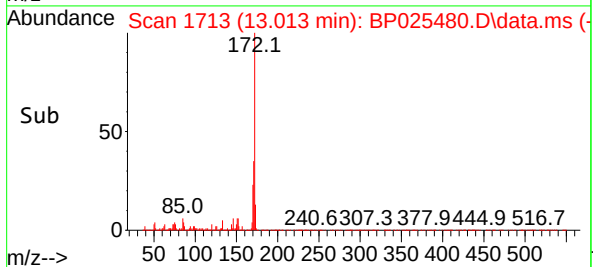
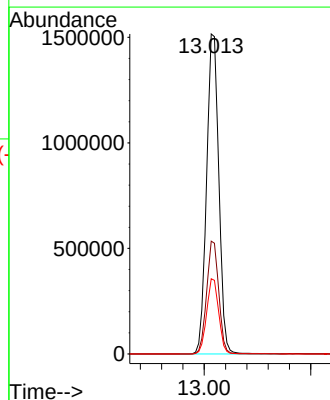
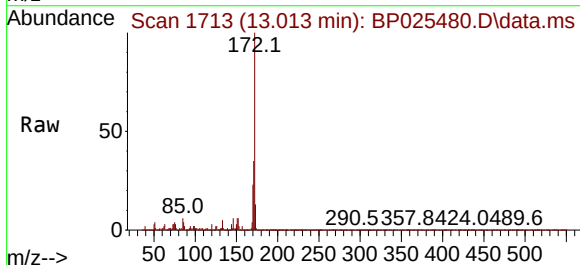
Instrument :
BNA_P
ClientSampleId :
FB

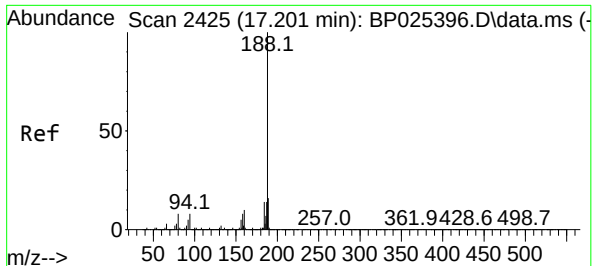
Tgt Ion	330	Resp	778281
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.3	115.9
141	34.4	26.6	39.8



#45
2-Fluorobiphenyl
Concen: 79.953 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025480.D
Acq: 19 Aug 2025 17:36

Tgt Ion	172	Resp	2413855
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.1	42.1
170	23.5	18.6	28.0

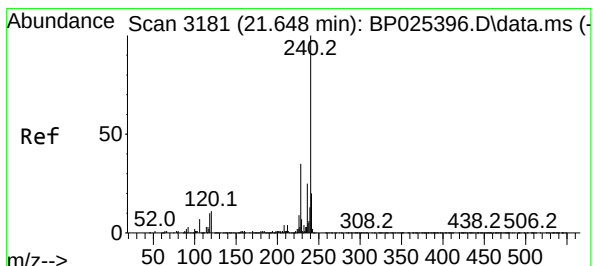
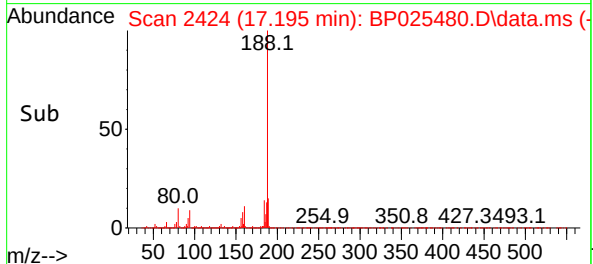
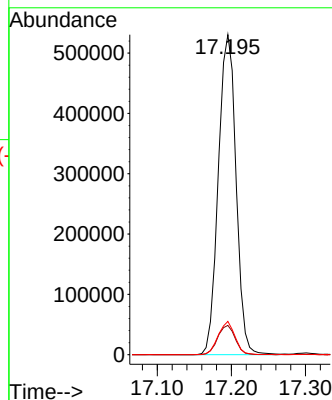
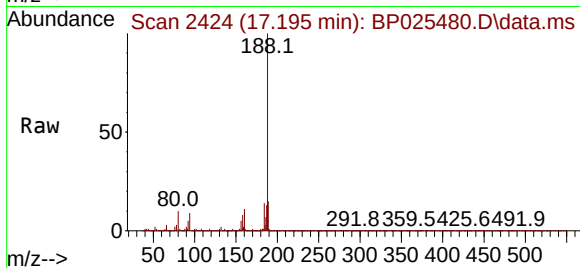




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP025480.D
Acq: 19 Aug 2025 17:36

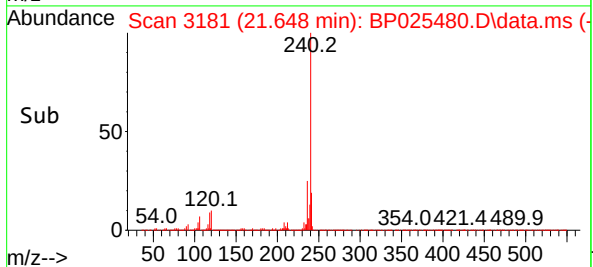
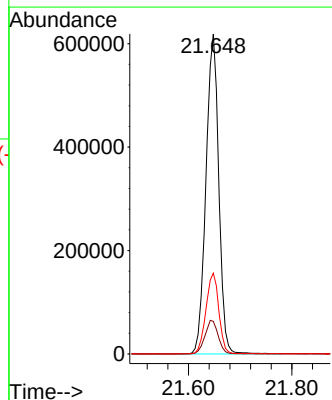
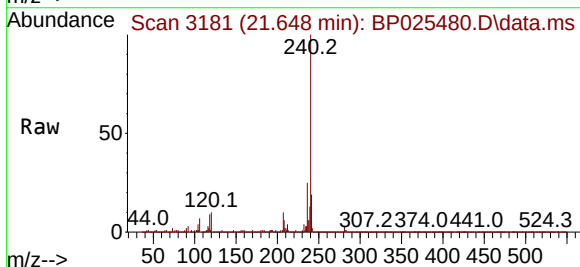
Instrument :
BNA_P
ClientSampleId :
FB

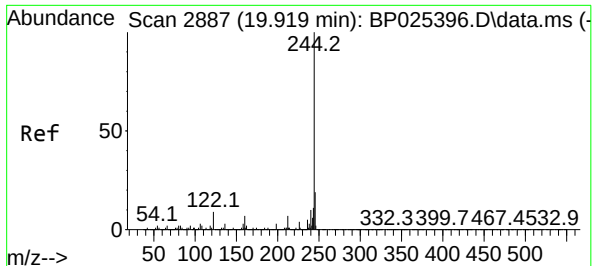
Tgt Ion:188 Resp: 881450
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 10.4 6.7 10.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025480.D
Acq: 19 Aug 2025 17:36

Tgt Ion:240 Resp: 1063194
Ion Ratio Lower Upper
240 100
120 10.2 8.9 13.3
236 25.2 19.8 29.8

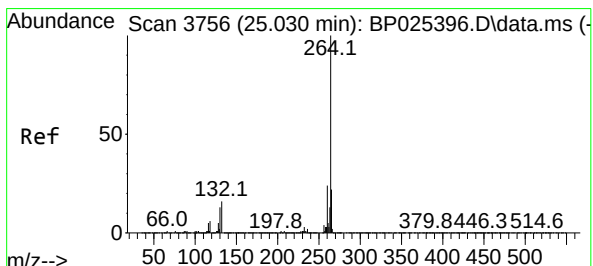
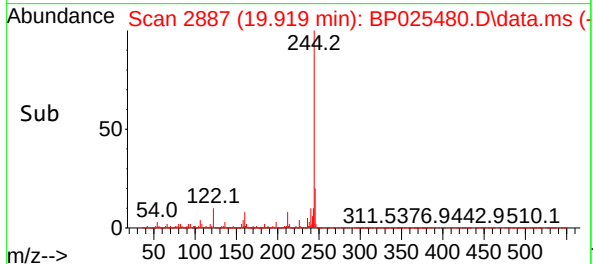
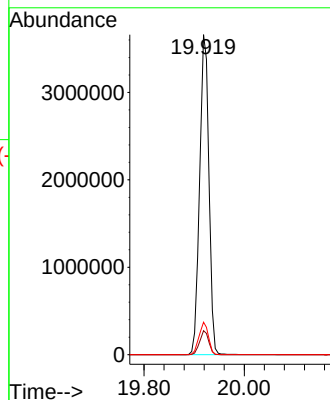
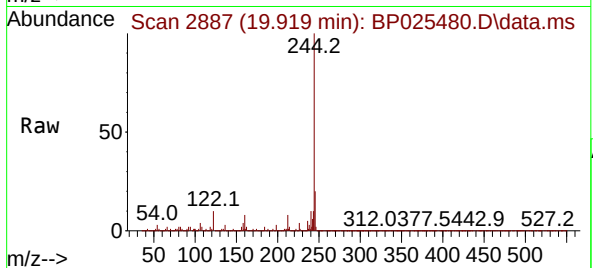




#79
Terphenyl-d14
Concen: 80.649 ng
RT: 19.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025480.D
Acq: 19 Aug 2025 17:36

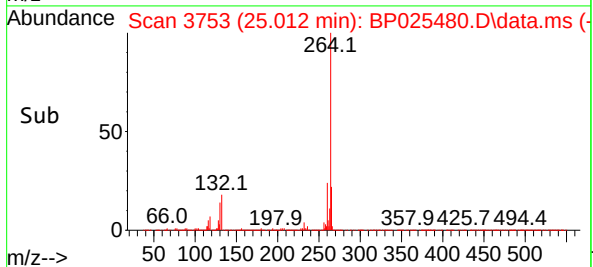
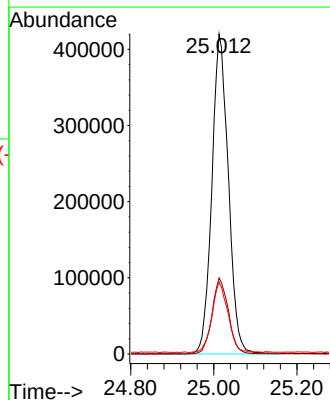
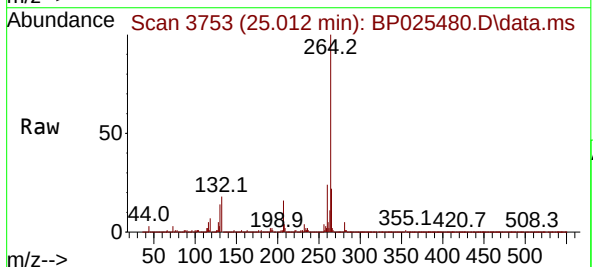
Instrument :
BNA_P
ClientSampleId :
FB

Tgt Ion:244 Resp: 4686639
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 10.1 7.4 11.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025480.D
Acq: 19 Aug 2025 17:36

Tgt Ion:264 Resp: 1155861
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 22.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025480.D
Acq On : 19 Aug 2025 17:36
Operator : CG/JU
Sample : Q2815-26
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025480.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	13	17	35	rVB	3577974	4832067	37.94%	9.598%
2	4.949	334	342	349	rBV2	174896	266015	2.09%	0.528%
3	5.408	412	420	439	rBV	1629320	2387671	18.75%	4.743%
4	6.966	675	685	696	rBV	918189	1505404	11.82%	2.990%
5	7.790	818	825	832	rBV	597387	971469	7.63%	1.930%
6	8.931	1011	1019	1035	rBV	1979550	3269210	25.67%	6.494%
7	10.560	1287	1296	1307	rBV	748250	1291280	10.14%	2.565%
8	11.096	1380	1387	1392	rBV	77960	135749	1.07%	0.270%
9	11.154	1392	1397	1412	rVB	108288	198057	1.56%	0.393%
10	13.013	1706	1713	1729	rBV	4468635	6963223	54.67%	13.831%
11	14.401	1941	1949	1960	rBV	1149610	1731006	13.59%	3.438%
12	15.907	2197	2205	2227	rBV	3914717	5964122	46.83%	11.847%
13	17.195	2416	2424	2436	rBV2	1317673	2204184	17.31%	4.378%
14	19.919	2881	2887	2892	rBV	10019145	12736457	100.00%	25.299%
15	21.648	3174	3181	3190	rBV	1646958	2857443	22.44%	5.676%
16	25.012	3745	3753	3768	rVB	1124527	3030159	23.79%	6.019%

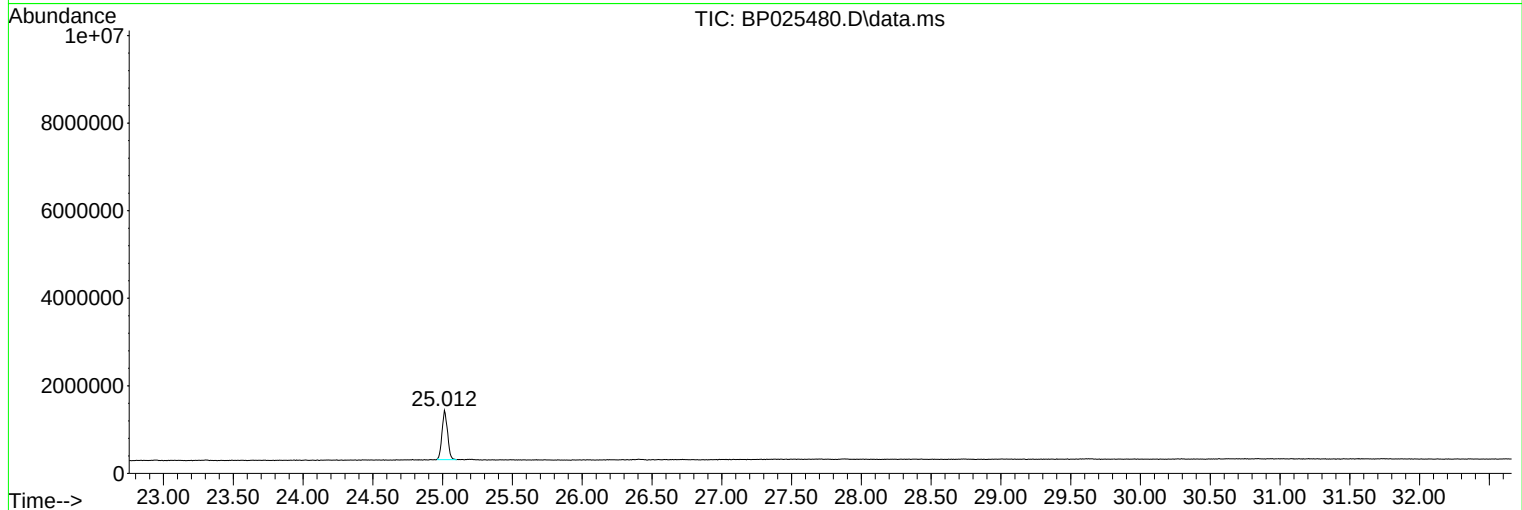
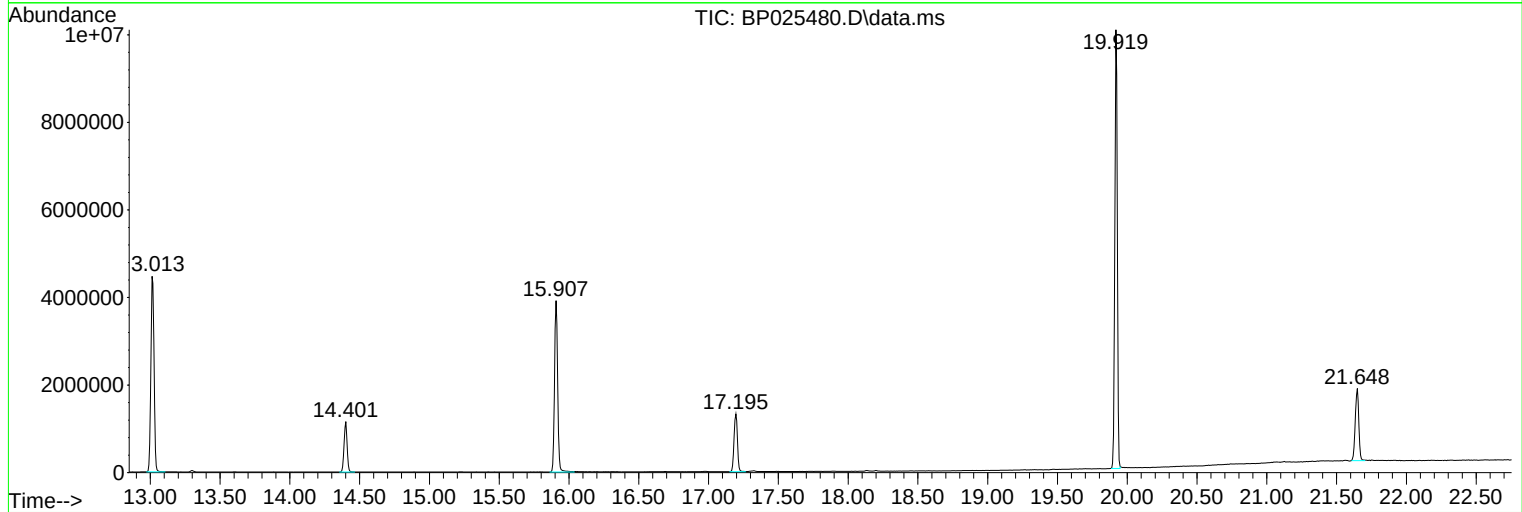
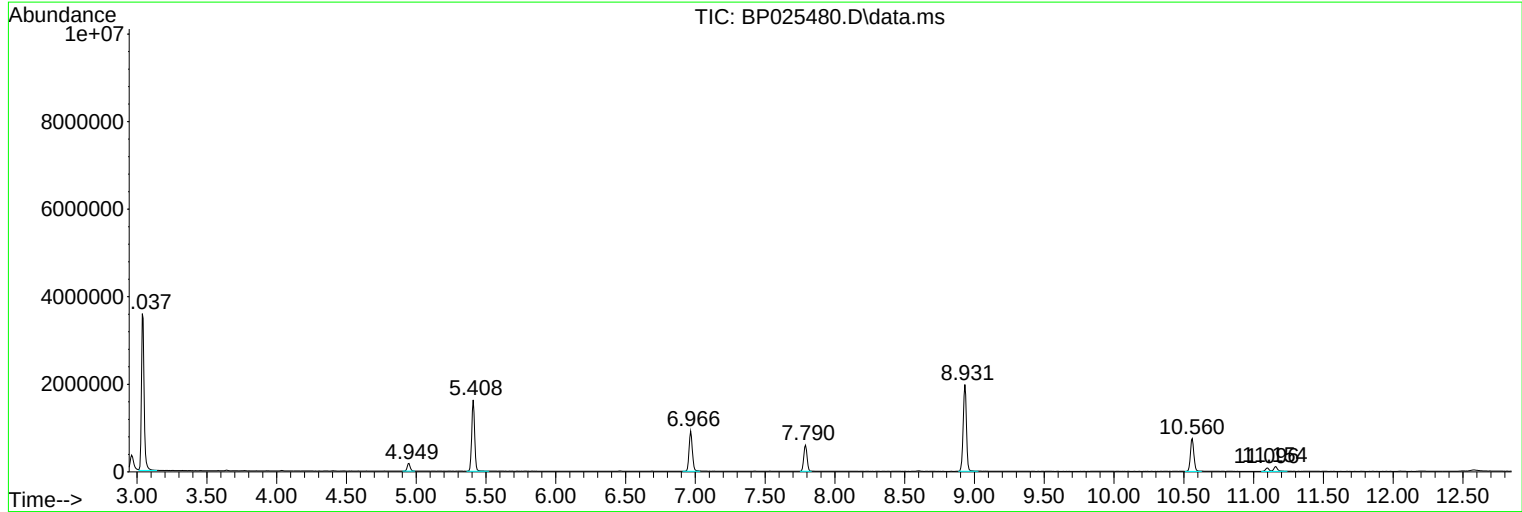
Sum of corrected areas: 50343516

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025480.D
Acq On : 19 Aug 2025 17:36
Operator : CG/JU
Sample : Q2815-26
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025480.D
Acq On : 19 Aug 2025 17:36
Operator : CG/JU
Sample : Q2815-26
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB

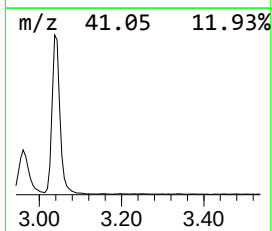
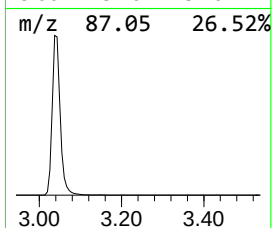
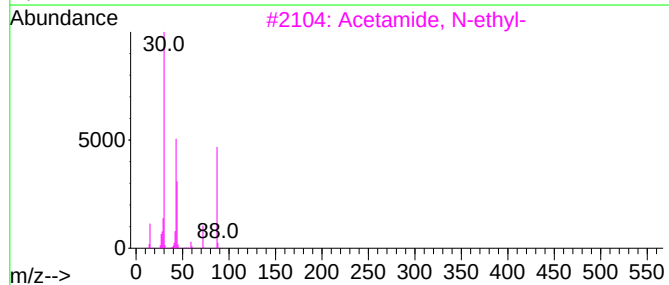
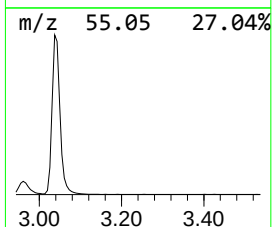
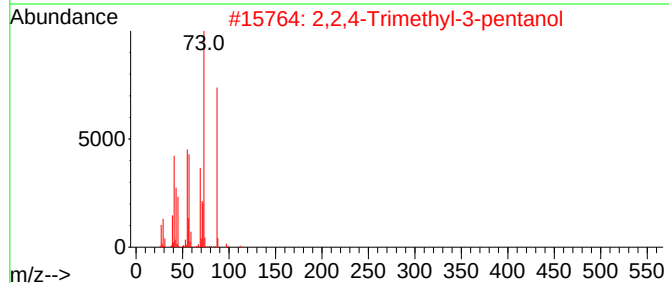
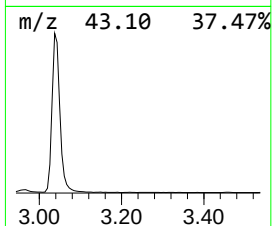
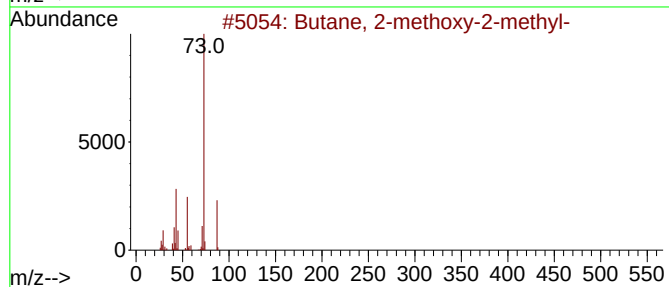
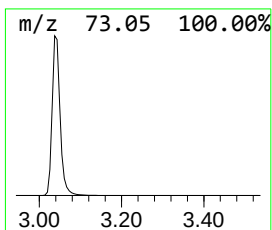
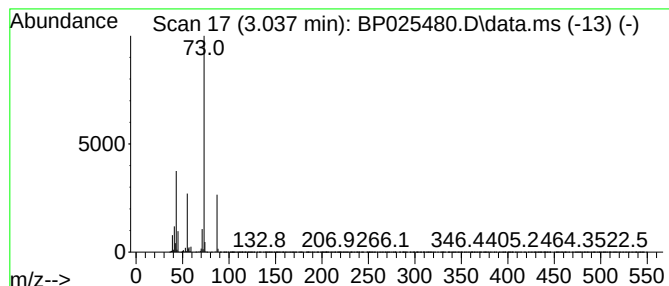
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	99.48 ng	4832070	1,4-Dichlorobenzene-d4	7.790

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5			N-Ethylformamide	73	C3H7NO	000627-45-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025480.D
Acq On : 19 Aug 2025 17:36
Operator : CG/JU
Sample : Q2815-26
Misc :
ALS Vial : 12 Sample Multiplier: 1

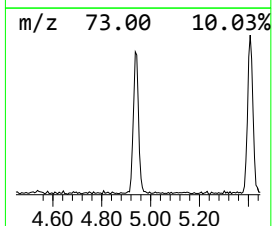
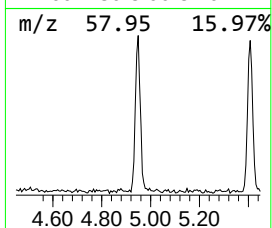
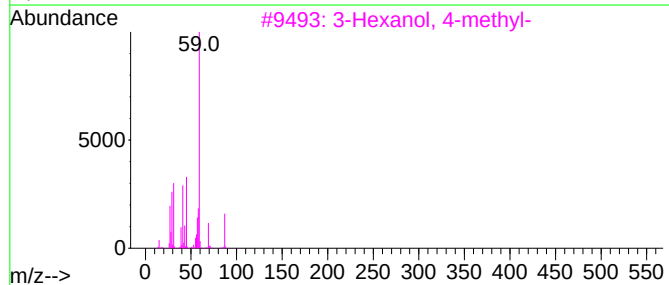
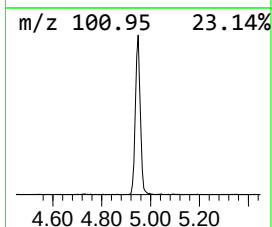
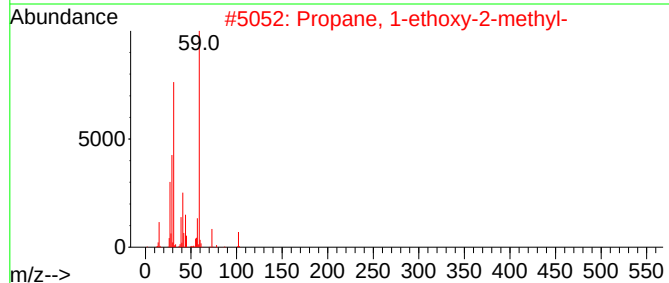
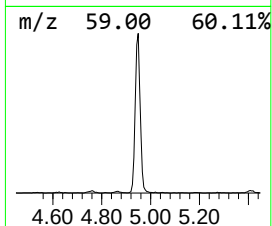
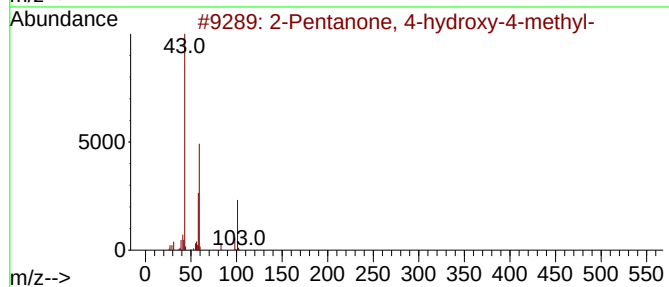
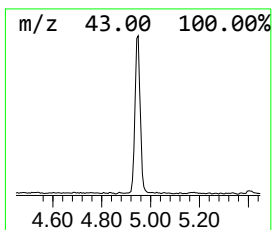
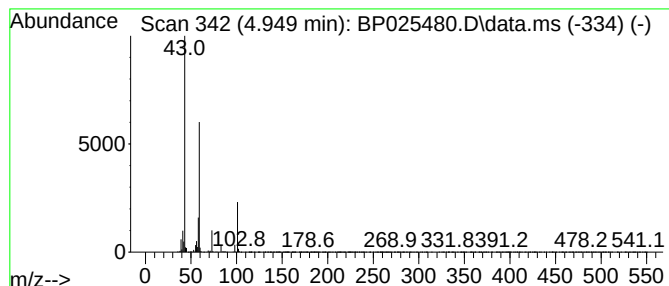
Instrument :
BNA_P
ClientSampleId :
FB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD			R.T.
4.949	5.48 ng	266015	1,4-Dichlorobenzene-d4			7.790
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	50
2	Propane, 1-ethoxy-2-methyl-		102	C6H14O	000627-02-1	23
3	3-Hexanol, 4-methyl-		116	C7H16O	000615-29-2	17
4	2-Propanone, 1-(1-methylethoxy)-		116	C6H12O2	042781-12-4	12
5	Acetic acid, cyano-, 1,1-dimethy...		141	C7H11NO2	001116-98-9	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025480.D
Acq On : 19 Aug 2025 17:36
Operator : CG/JU
Sample : Q2815-26
Misc :
ALS Vial : 12 Sample Multiplier: 1

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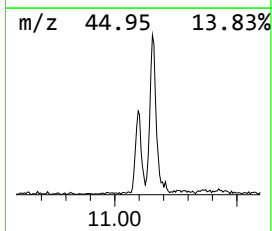
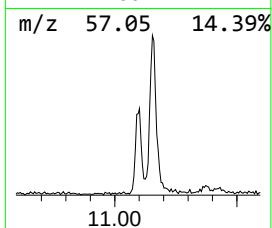
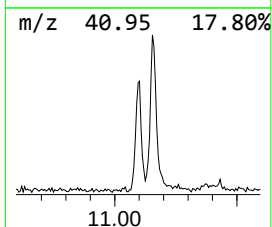
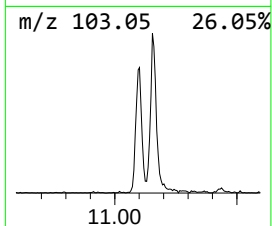
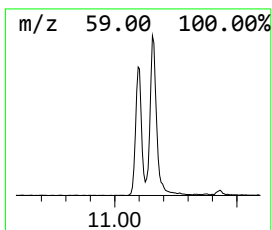
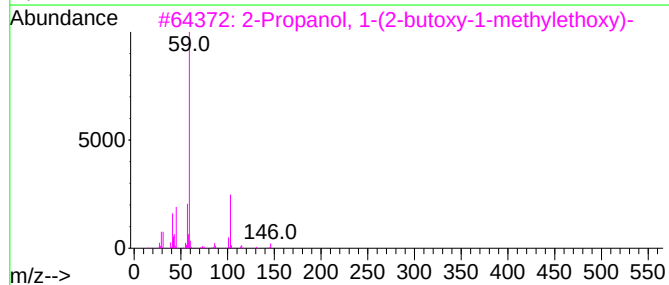
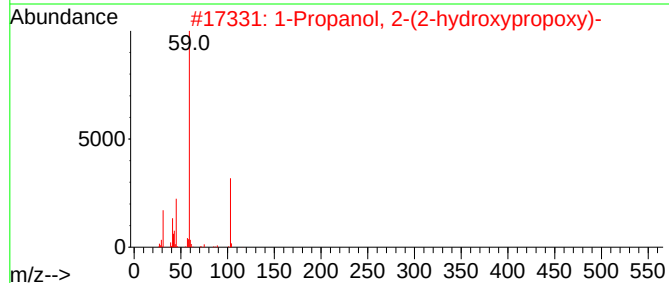
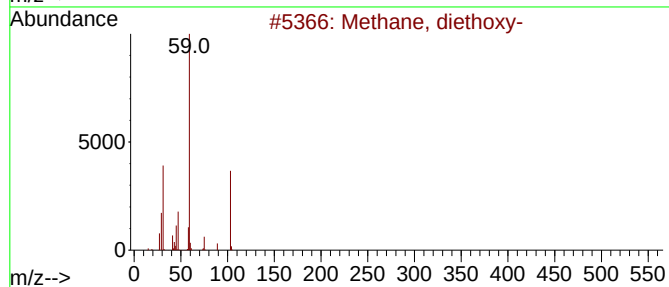
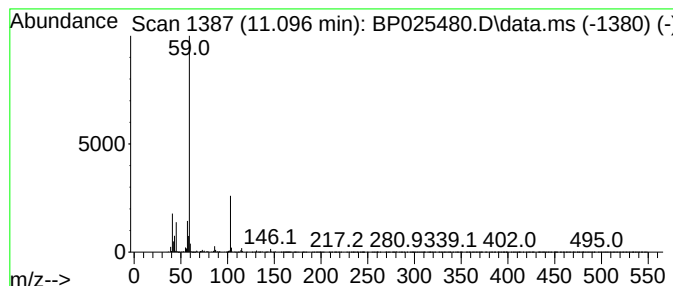
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Methane, diethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.096	2.10 ng	135749	Naphthalene-d8	10.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methane, diethoxy-	104	C5H12O2	000462-95-3	80
2			1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	78
3			2-Propanol, 1-(2-butoxy-1-methyl...)	190	C10H22O3	029911-28-2	78
4			2-Propanol, 1-[1-methyl-2-(2-pro...]	174	C9H18O3	055956-25-7	64
5			Dipropylene glycol (isomer 2)	134	C6H14O3	1000506-25-4	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025480.D
Acq On : 19 Aug 2025 17:36
Operator : CG/JU
Sample : Q2815-26
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB

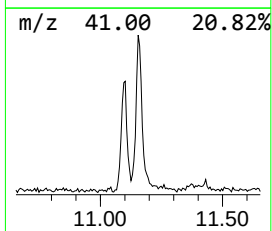
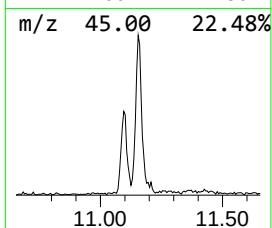
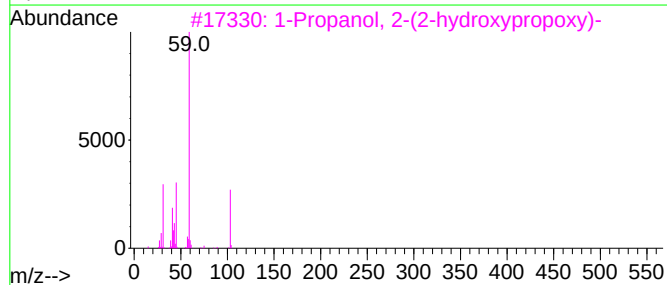
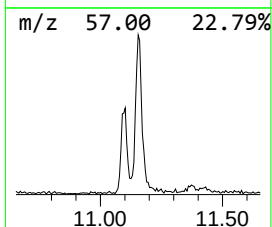
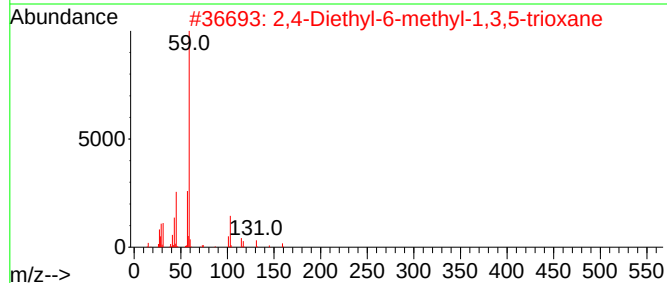
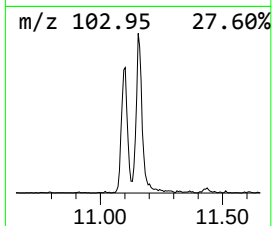
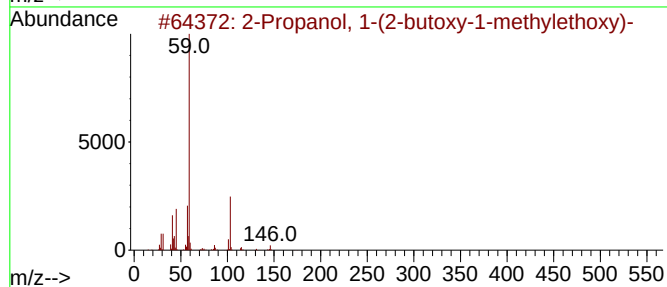
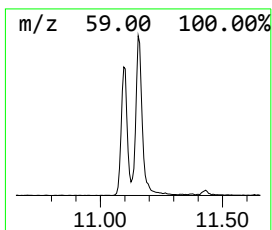
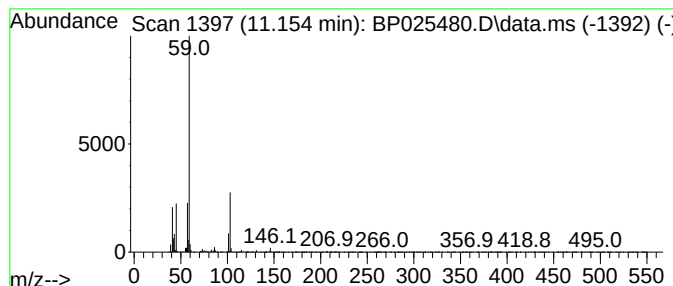
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 2-Propanol, 1-(2-butoxy-1-m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.154	3.07 ng	198057	Naphthalene-d8	10.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	83	
2	2,4-Diethyl-6-methyl-1,3,5-trioxane	160	C8H16O3	117888-04-7	78	
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	78	
4	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	78	
5	1,4,7-Trimethyl-3,6-dioxaoctane...	192	C9H20O4	1000423-63-2	72	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025480.D
Acq On : 19 Aug 2025 17:36
Operator : CG/JU
Sample : Q2815-26
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	3.037	99.5	ng	4832070	1	7.790	971469	20.0
2-Pentanone, 4-...	4.949	5.5	ng	266015	1	7.790	971469	20.0
Methane, diethoxy-	11.096	2.1	ng	135749	2	10.560	1291280	20.0
2-Propanol, 1-(...	11.154	3.1	ng	198057	2	10.560	1291280	20.0



CALIBRATION SUMMARY

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Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025
Response Via : Initial Calibration

Calibration Files

2.5 =BF143343.D 5 =BF143344.D 10 =BF143345.D 20 =BF143346.D 40 =BF143347.D 50 =BF143348.D 60 =BF143349.D 80 =BF143350.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.606	0.582	0.614	0.596	0.592	0.612	0.586	0.598	2.12
3) Pyridine		1.476	1.573	1.597	1.615	1.623	1.668	1.613	1.595	3.75
4) n-Nitrosodimet...			0.686	0.711	0.759	0.762	0.776	0.764	0.743	4.80
5) S 2-Fluorophenol		1.155	1.170	1.207	1.179	1.143	1.151	1.090	1.157	3.15
6) Aniline		2.162	2.139	2.178	2.119	2.029	2.057	1.954	2.091	3.88
7) S Phenol-d6		1.527	1.505	1.541	1.500	1.447	1.475	1.386	1.483	3.58
8) 2-Chlorophenol		1.167	1.215	1.272	1.259	1.240	1.271	1.227	1.236	3.01
9) Benzaldehyde			1.109	1.106	1.011	0.875	0.800		0.980	14.15
10) C Phenol		1.823	1.791	1.843	1.783	1.721	1.734	1.604	1.757	4.56
11) bis(2-Chloroet...		1.357	1.304	1.333	1.306	1.252	1.279	1.235	1.295	3.34
12) 1,3-Dichlorobe...		1.551	1.479	1.482	1.432	1.364	1.386	1.285	1.425	6.21
13) C 1,4-Dichlorobe...		1.576	1.510	1.485	1.414	1.370	1.366	1.294	1.431	6.82
14) 1,2-Dichlorobe...		1.486	1.416	1.407	1.347	1.295	1.309	1.247	1.358	6.09
15) Benzyl Alcohol			0.980	1.069	1.088	1.066	1.097	1.079	1.063	3.98
16) 2,2'-oxybis(1-...		2.521	2.408	2.435	2.317	2.214	2.224	2.065	2.312	6.76
17) 2-Methylphenol		1.017	1.038	1.077	1.064	1.036	1.059	1.012	1.043	2.35
18) Hexachloroethane		0.425	0.433	0.460	0.462	0.449	0.466	0.444	0.449	3.42
19) P n-Nitroso-di-n...	0.956	0.992	0.942	0.957	0.910	0.863	0.875	0.837	0.916	5.89
20) 3+4-Methylphenols			1.331	1.373	1.288	1.227	1.227	1.125	1.262	7.00
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.500	0.478	0.475	0.429	0.404	0.417	0.381	0.441	9.98
23) S Nitrobenzene-d5		0.277	0.304	0.339	0.336	0.328	0.341	0.324	0.321	7.17
24) Nitrobenzene		0.322	0.329	0.366	0.359	0.352	0.367	0.347	0.349	5.02
25) Isophorone		0.692	0.662	0.683	0.645	0.627	0.651	0.630	0.656	3.79
26) C 2-Nitrophenol		0.069	0.085	0.109	0.126	0.134	0.151	0.150	0.118	26.89
27) 2,4-Dimethylph...		0.259	0.261	0.288	0.279	0.275	0.285	0.267	0.274	4.15
28) bis(2-Chloroet...		0.424	0.410	0.425	0.396	0.383	0.396	0.369	0.400	5.19
29) C 2,4-Dichloroph...		0.243	0.256	0.286	0.275	0.270	0.279	0.262	0.267	5.54
30) 1,2,4-Trichlor...		0.299	0.290	0.299	0.277	0.269	0.278	0.260	0.282	5.30
31) Naphthalene		1.083	1.023	1.029	0.944	0.901	0.917	0.839	0.962	8.88
32) Benzoic acid			0.069	0.085	0.108	0.120	0.136	0.142	0.110	25.83
33) 4-Chloroaniline		0.362	0.350	0.367	0.345	0.334	0.345	0.326	0.347	4.13
34) C Hexachlorobuta...		0.185	0.181	0.187	0.175	0.166	0.171	0.161	0.175	5.49
35) Caprolactam			0.061	0.073	0.079	0.078	0.081	0.079	0.075	9.95
36) C 4-Chloro-3-met...		0.270	0.274	0.296	0.286	0.279	0.286	0.270	0.280	3.54
37) 2-Methylnaphth...		0.720	0.673	0.681	0.622	0.591	0.593	0.548	0.633	9.63
38) 1-Methylnaphth...		0.690	0.654	0.653	0.595	0.568	0.574	0.531	0.609	9.38

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

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.588	0.566	0.575	0.542	0.524	0.537	0.499	0.547	5.66	
41) P	Hexachlorocycl...	0.088	0.130	0.167	0.172	0.192	0.201	0.158	26.72		
42) S	2,4,6-Tribromo...	0.105	0.127	0.149	0.160	0.160	0.164	0.159	0.146	15.13	
43) C	2,4,6-Trichlor...	0.242	0.272	0.316	0.334	0.328	0.343	0.338	0.311	12.43	
44)	2,4,5-Trichlor...	0.307	0.308	0.366	0.377	0.364	0.370	0.361	0.351	8.48	
45) S	2-Fluorobiphenyl	1.444	1.332	1.285	1.132	1.060	1.052	0.951	1.179	15.06	
46)	1,1'-Biphenyl	1.613	1.506	1.516	1.389	1.317	1.335	1.223	1.414	9.63	
47)	2-Chloronaphth...	1.216	1.176	1.180	1.095	1.046	1.081	1.003	1.114	7.06	
48)	2-Nitroaniline	0.188	0.223	0.279	0.309	0.321	0.336	0.330	0.284	20.23	
49)	Acenaphthylene	1.759	1.682	1.719	1.588	1.525	1.541	1.444	1.608	7.13	
50)	Dimethylphthalate	1.160	1.178	1.244	1.180	1.144	1.171	1.103	1.169	3.66	
51)	2,6-Dinitrotol...	0.125	0.147	0.188	0.213	0.219	0.234	0.228	0.193	21.87	
52) C	Acenaphthene	1.208	1.127	1.121	1.054	1.012	1.017	0.945	1.069	8.28	
53)	3-Nitroaniline	0.159	0.193	0.250	0.261	0.265	0.281	0.266	0.239	18.92	
54) P	2,4-Dinitrophenol	0.030	0.046	0.066	0.073	0.086	0.092	0.065	36.52		
55)	Dibenzofuran	1.757	1.641	1.634	1.511	1.438	1.446	1.346	1.539	9.33	
56) P	4-Nitrophenol	0.096	0.147	0.173	0.180	0.194	0.190	0.163	22.52		
57)	2,4-Dinitrotol...	0.154	0.191	0.257	0.289	0.296	0.308	0.297	0.256	23.42	
58)	Fluorene	1.381	1.288	1.251	1.142	1.091	1.089	0.986	1.175	11.65	
59)	2,3,4,6-Tetrac...	0.172	0.188	0.236	0.255	0.258	0.276	0.270	0.236	17.33	
60)	Diethylphthalate	1.011	1.061	1.132	1.081	1.037	1.031	0.974	1.047	4.84	
61)	4-Chlorophenyl...	0.645	0.601	0.600	0.563	0.533	0.536	0.498	0.568	8.84	
62)	4-Nitroaniline	0.174	0.202	0.253	0.249	0.248	0.253	0.242	0.232	13.40	
63)	Azobenzene	1.302	1.228	1.285	1.193	1.147	1.149	1.065	1.196	6.99	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.036	0.054	0.071	0.077	0.087	0.091	0.069	29.75		
66) c	n-Nitrosodiphe...	0.693	0.670	0.674	0.655	0.639	0.651	0.627	0.659	3.38	
67)	4-Bromophenyl-...	0.232	0.222	0.232	0.231	0.227	0.231	0.226	0.229	1.65	
68)	Hexachlorobenzene	0.258	0.249	0.250	0.244	0.237	0.248	0.240	0.247	2.76	
69)	Atrazine	0.147	0.157	0.187	0.178	0.180	0.182	0.173	0.172	8.45	
70) C	Pentachlorophenol	0.058	0.087	0.108	0.113	0.120	0.122	0.101	24.06		
71)	Phenanthrene	1.214	1.159	1.156	1.081	1.022	1.034	0.973	1.091	8.02	
72)	Anthracene	1.225	1.168	1.184	1.088	1.043	1.057	0.980	1.107	7.97	
73)	Carbazole	1.049	1.000	1.017	0.934	0.879	0.893	0.825	0.942	8.71	
74)	Di-n-butylphth...	0.674	0.739	0.889	0.864	0.819	0.817	0.780	0.798	9.24	
75) C	Fluoranthene	1.120	1.054	1.051	0.917	0.873	0.856	0.820	0.956	12.27	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.541	0.653	0.591	0.549	0.511	0.434	0.547	13.50		
78)	Pyrene	1.924	1.963	1.910	1.661	1.513	1.460	1.315	1.678	15.44	
79) S	Terphenyl-d14	1.337	1.346	1.297	1.089	0.976	0.957	0.841	1.120	18.44	
80)	Butylbenzylpht...	0.179	0.208	0.272	0.303	0.320	0.346	0.359	0.284	24.15	
81)	Benzo(a)anthra...	1.335	1.224	1.339	1.258	1.229	1.309	1.205	1.271	4.37	
82)	3,3'-Dichlorob...	0.255	0.327	0.364	0.374	0.382	0.358	0.343	13.77		
83)	Chrysene	1.270	1.249	1.199	1.175	1.163	1.143	1.098	1.185	5.06	
84)	Bis(2-ethylhex...	0.228	0.277	0.348	0.441	0.478	0.520	0.531	0.403	29.82	
85) c	Di-n-octyl pht...	0.545	0.692	0.888	0.945	1.045	1.047	0.860	23.52		

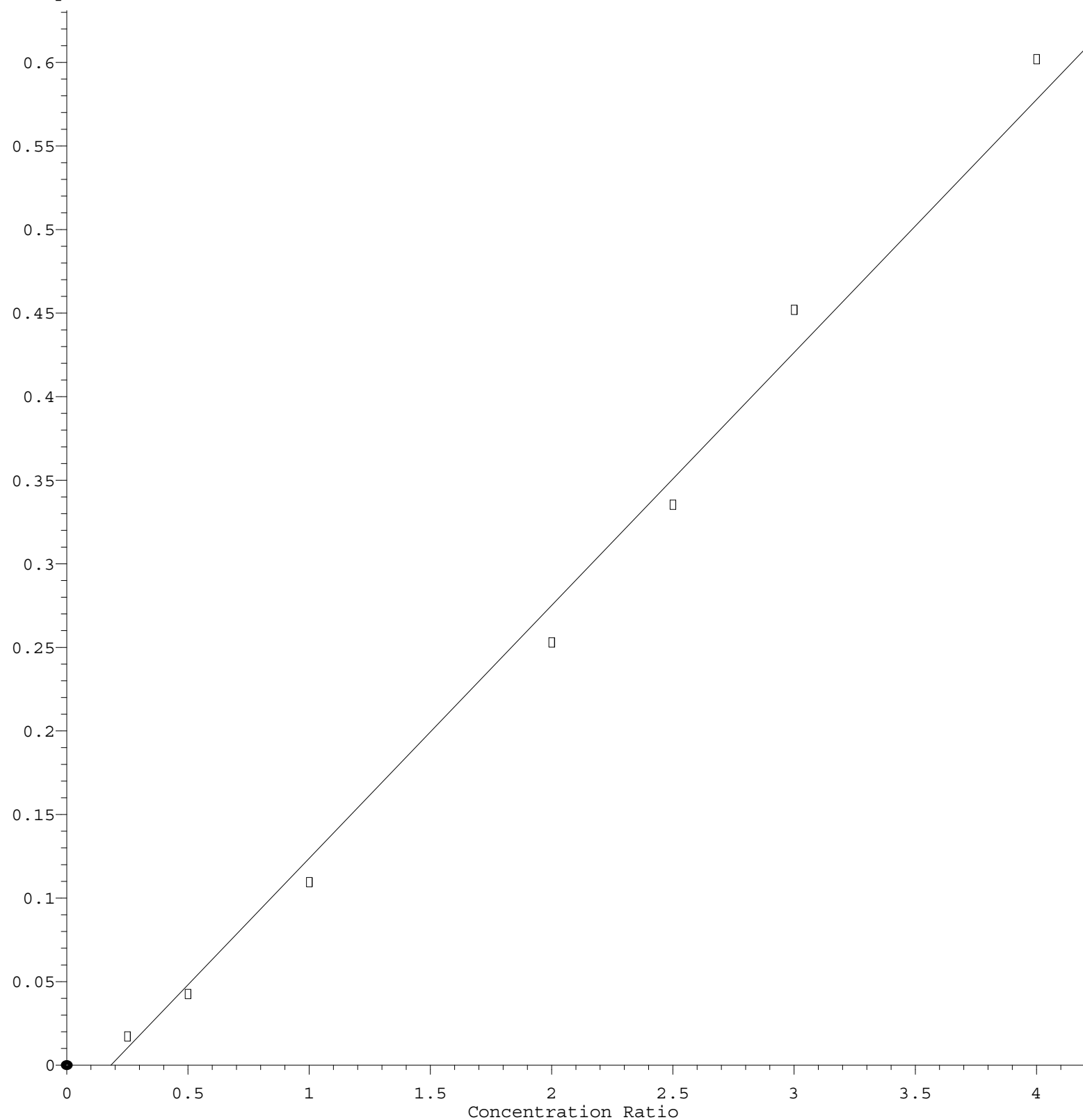
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.401	1.455	1.479	1.449	1.392	1.443	1.411	1.433	2.24
88)	Benzo(b)fluora...	1.172	1.027	1.092	1.118	1.046	1.147	1.054	1.094	4.98
89)	Benzo(k)fluora...	1.064	1.080	1.158	1.036	1.053	1.022	1.027	1.063	4.41
90) C	Benzo(a)pyrene	1.049	1.011	1.060	1.033	1.012	1.039	1.008	1.030	1.99
91)	Dibenzo(a,h)an...	1.129	1.162	1.184	1.170	1.119	1.155	1.094	1.145	2.77
92)	Benzo(g,h,i)pe...	1.108	1.192	1.188	1.169	1.124	1.168	1.123	1.153	2.94

(#) = Out of Range

2-Nitrophenol

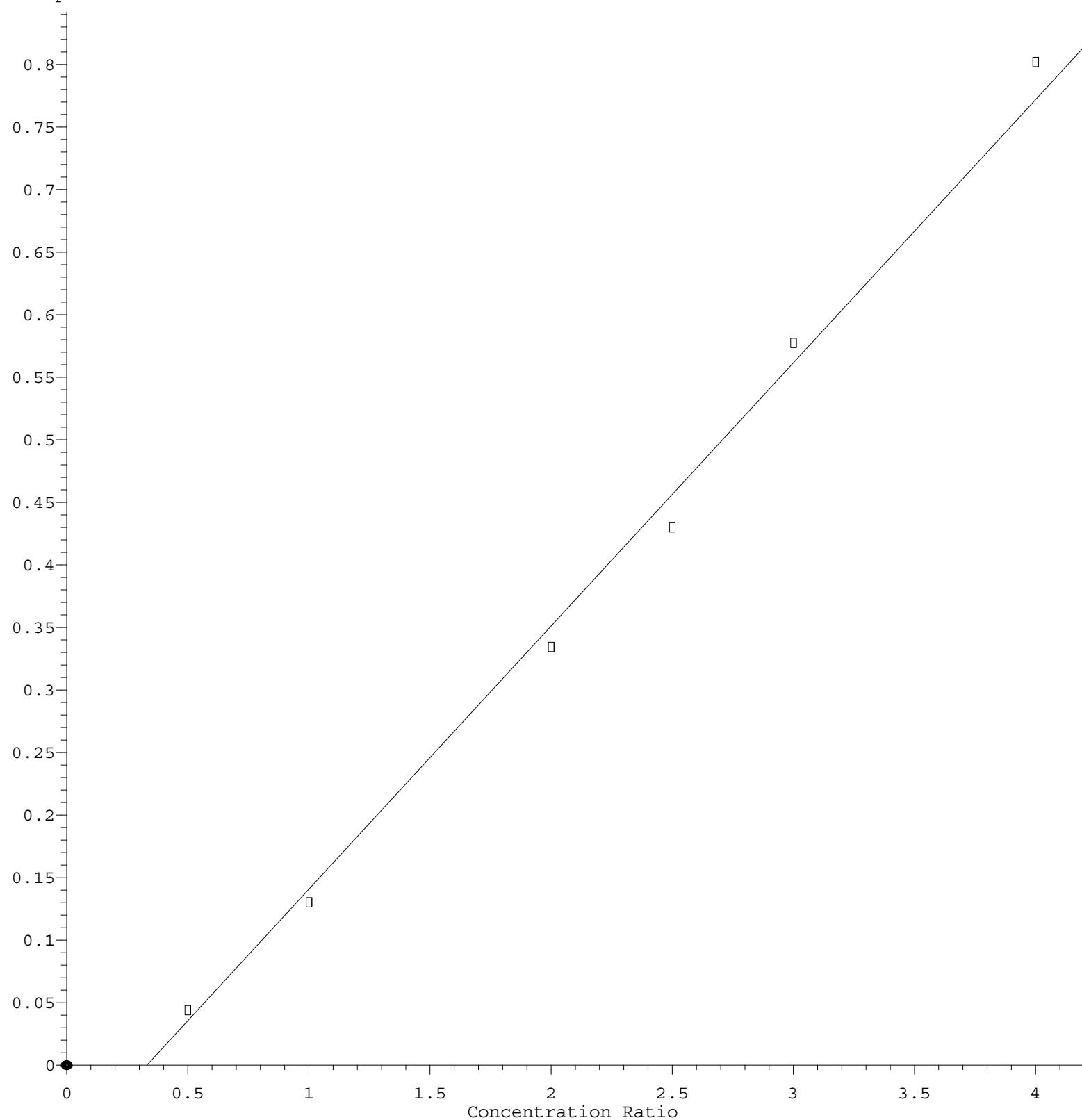
Response Ratio



Response = 1.513e-001 * Amt - 2.755e-002
 Coef of Det (r^2) = 0.993246 Curve Fit: wlr(1/a)
 Met 02815-SVOC-TCL-BNA-20
 Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

Hexachlorocyclopentadiene

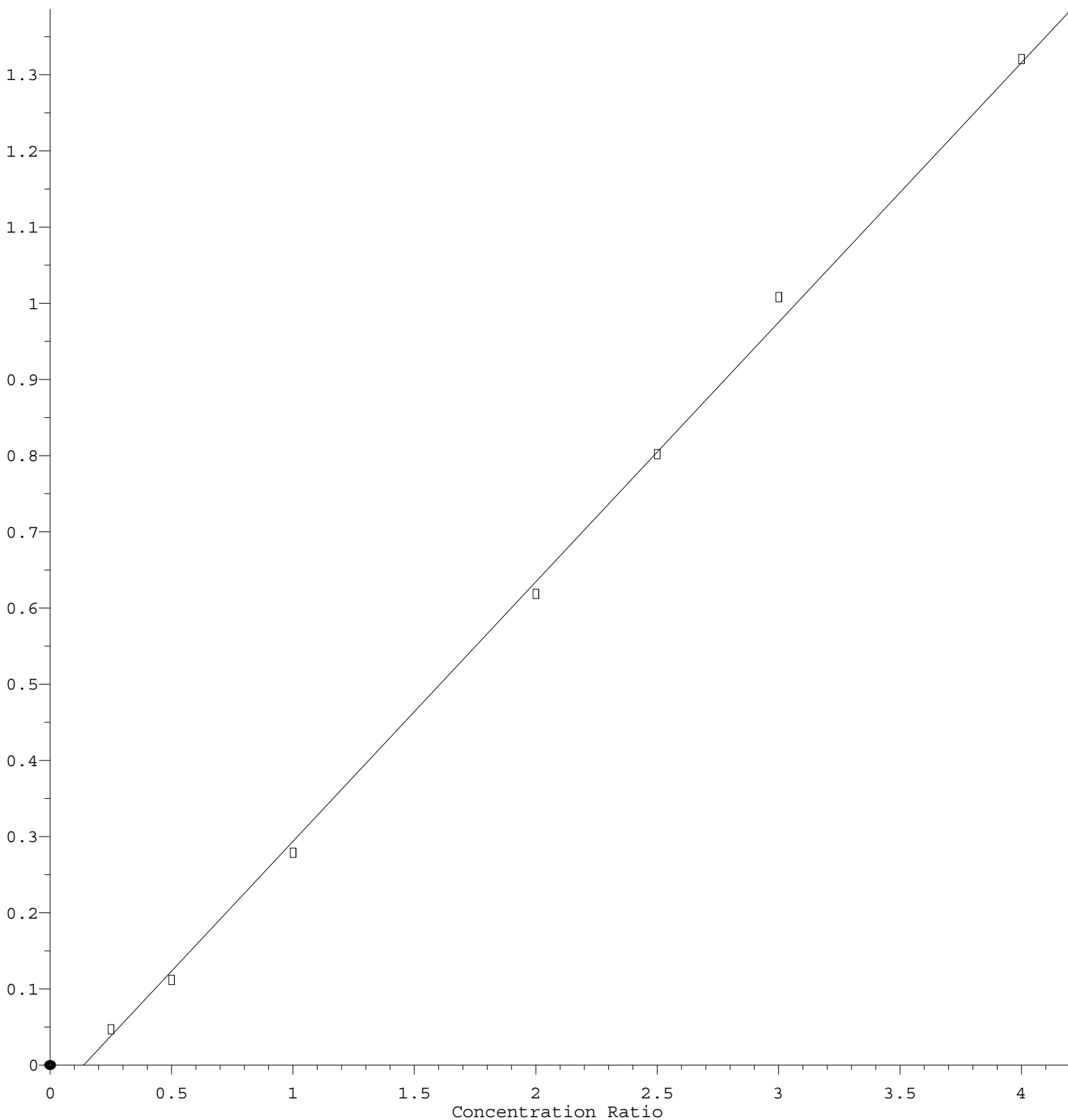
Response Ratio



Response = 2.105e-001 * Amt - 6.972e-002
Coef of Det (r^2) = 0.995567 Curve Fit: wlr(1/a)
Met02815-SWOC-TC1-BNA-20
Q2815-SWOC-TC1-BNA-20
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

2-Nitroaniline

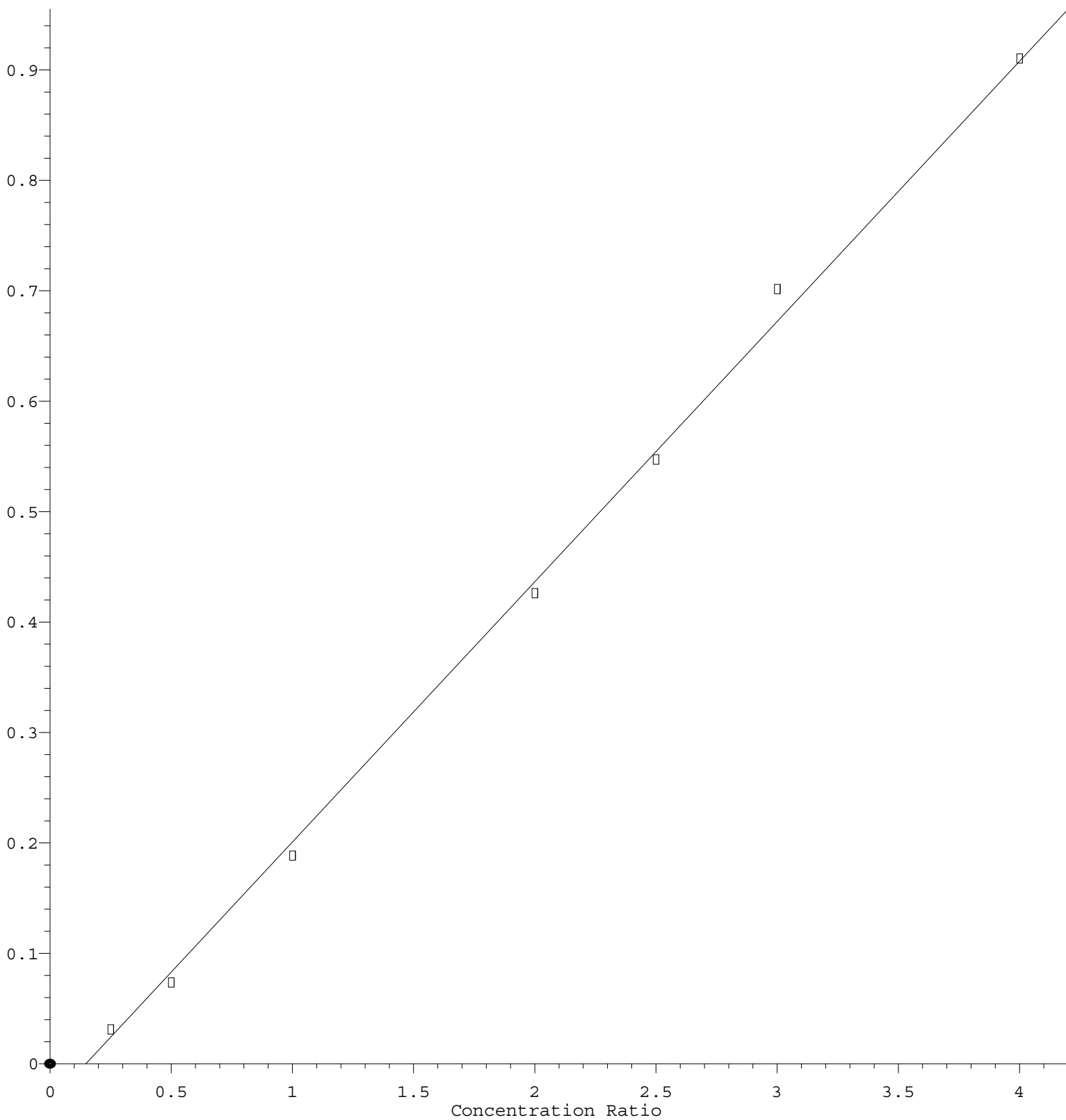
Response Ratio



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2,6-Dinitrotoluene

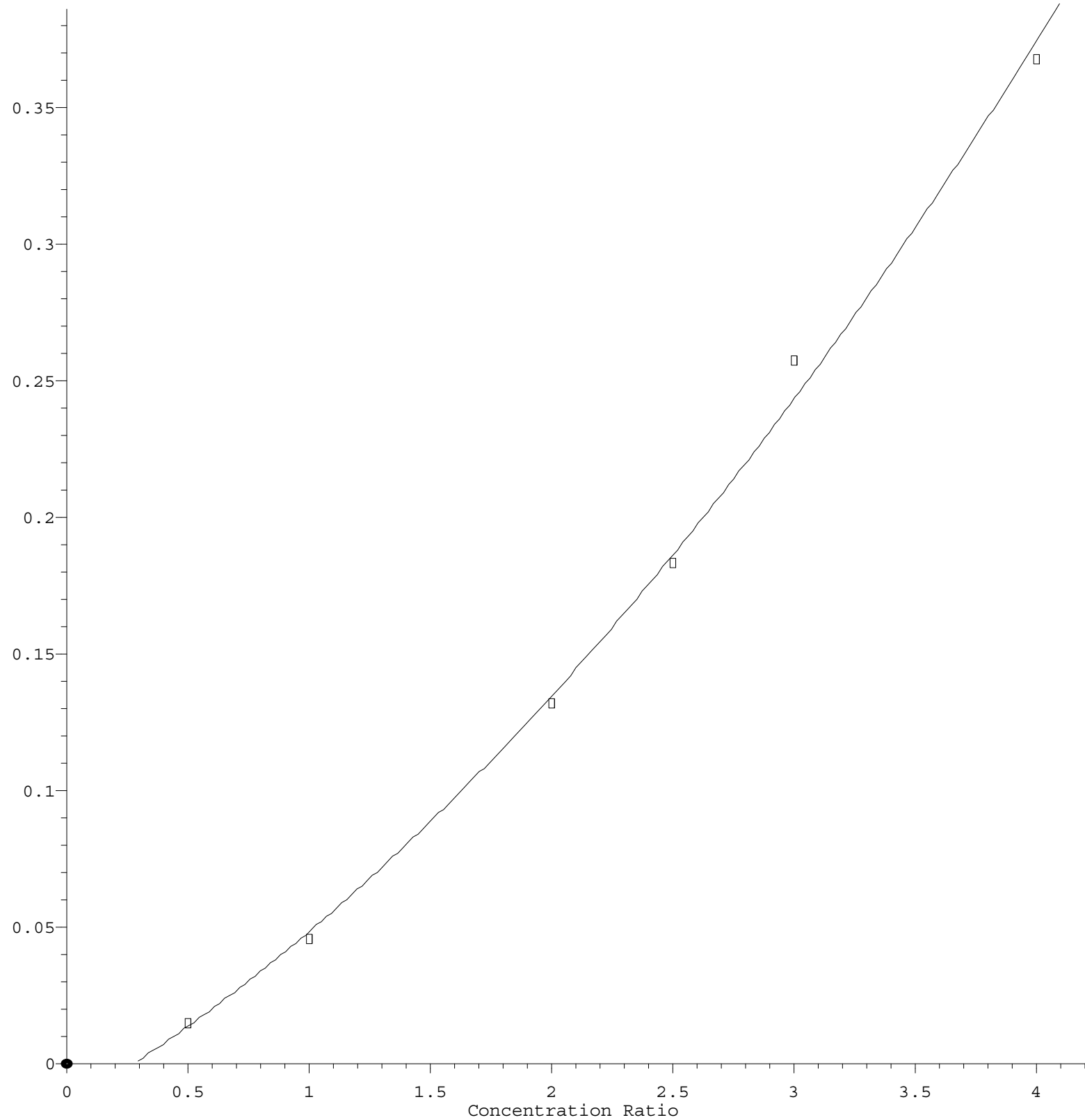
Response Ratio



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2,4-Dinitrophenol

Response Ratio



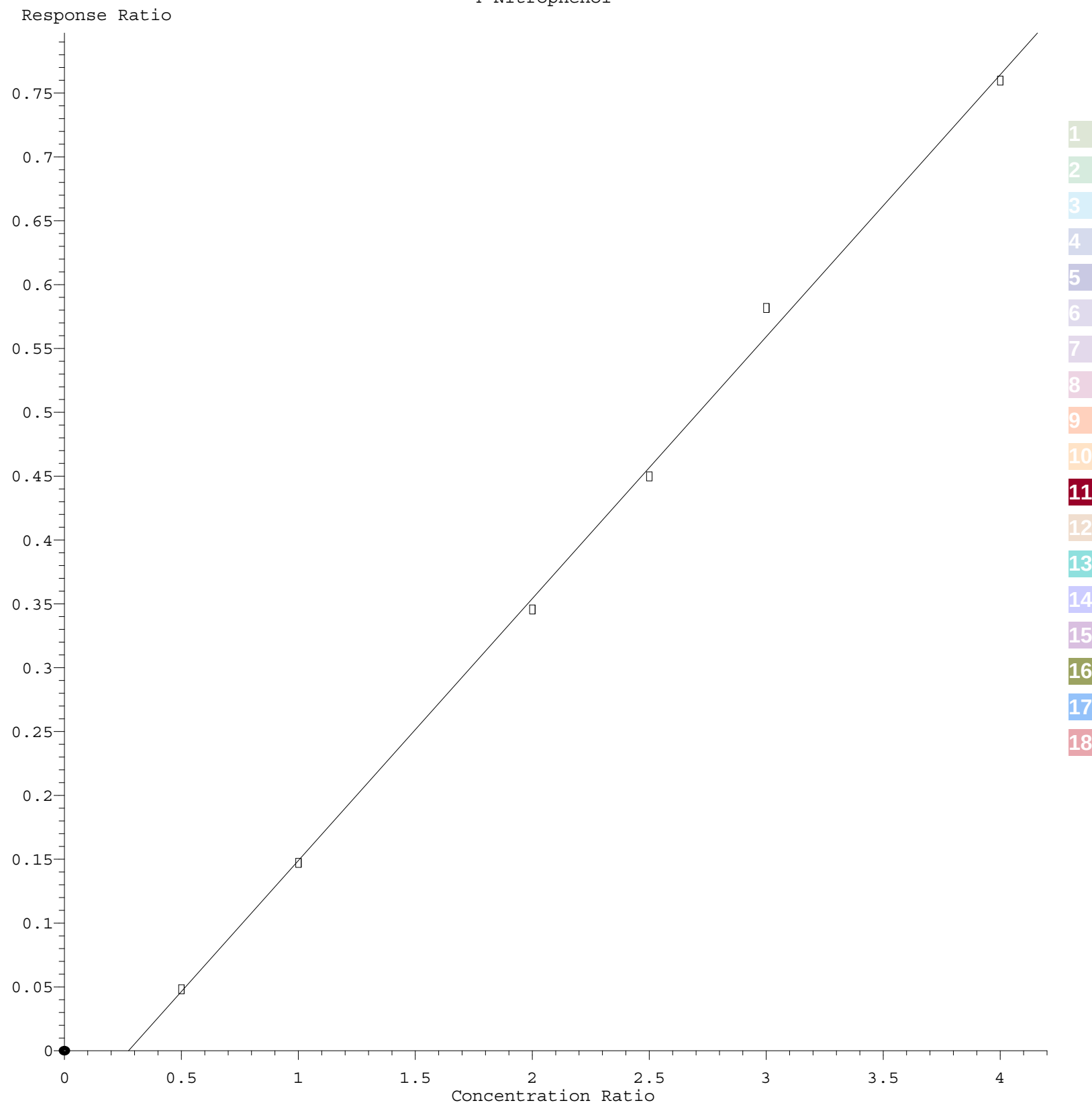
R = 1.122e-002 A*A + 5.261e-002 A - 1.543e-002

Coef of Det (r^2) = 0.997954 Curve Fit: Quadratic w(1/a)

Met02815-SVOC-TCL-BNA-20\HPCHEM1\BNA F\Methods\8270-BF081225.M

Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

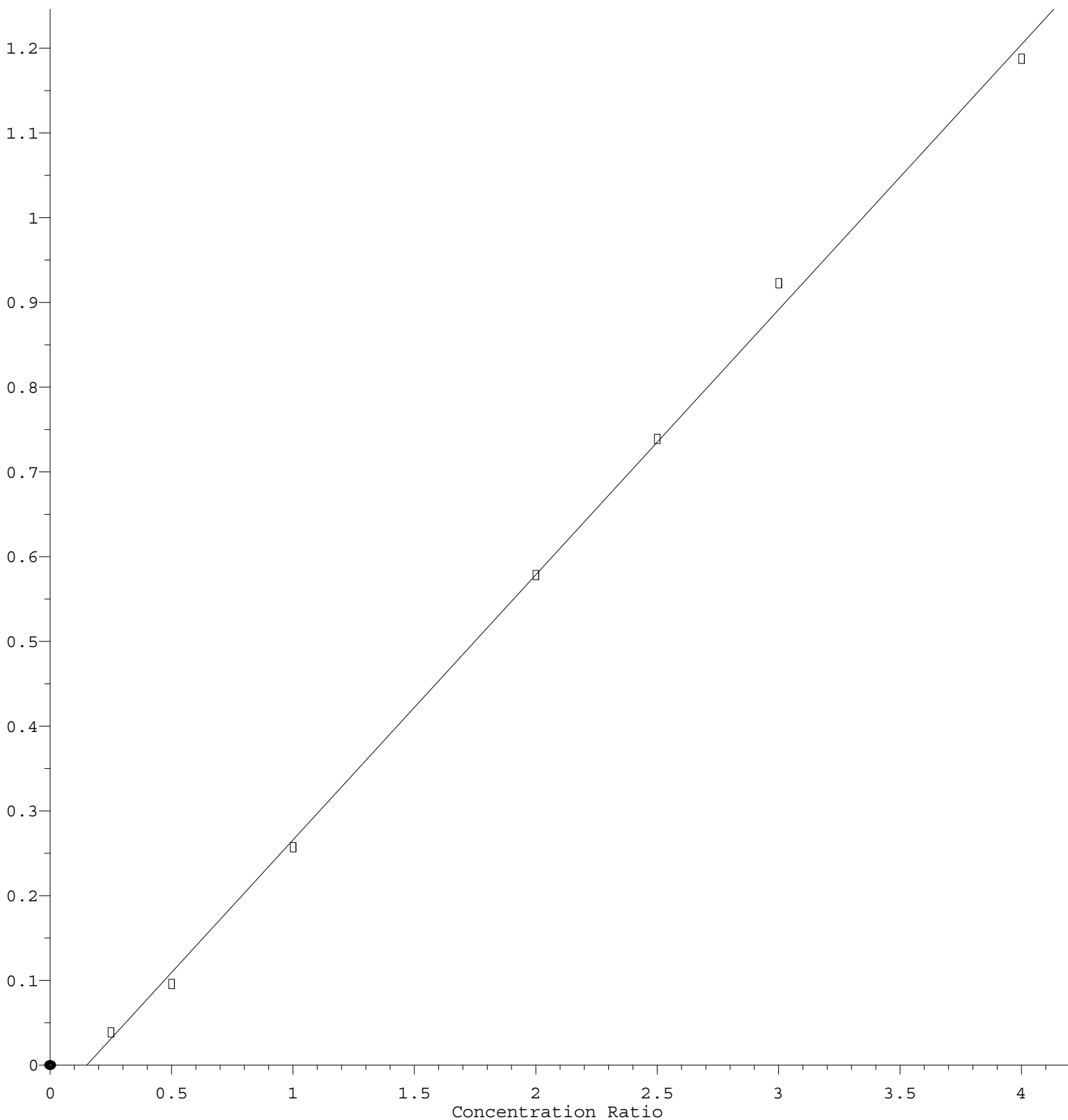
4-Nitrophenol



Response = 2.053e-001 * Amt - 5.623e-002
 Coef of Det (r^2) = 0.998868 Curve Fit: wlr(1/a)
 Met 02815-SVOC-TC1-BNA-20
 Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

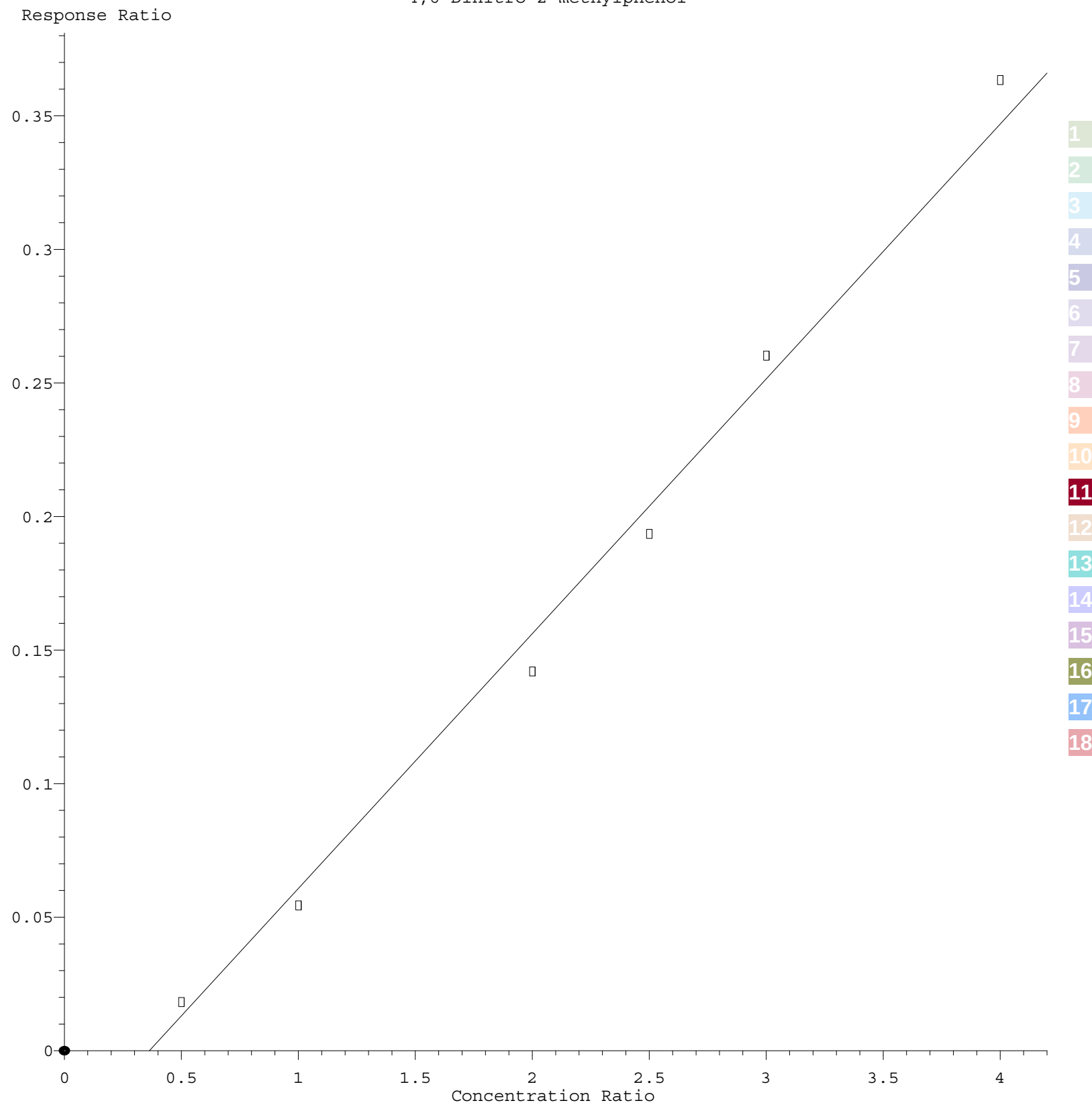
2,4-Dinitrotoluene

Response Ratio

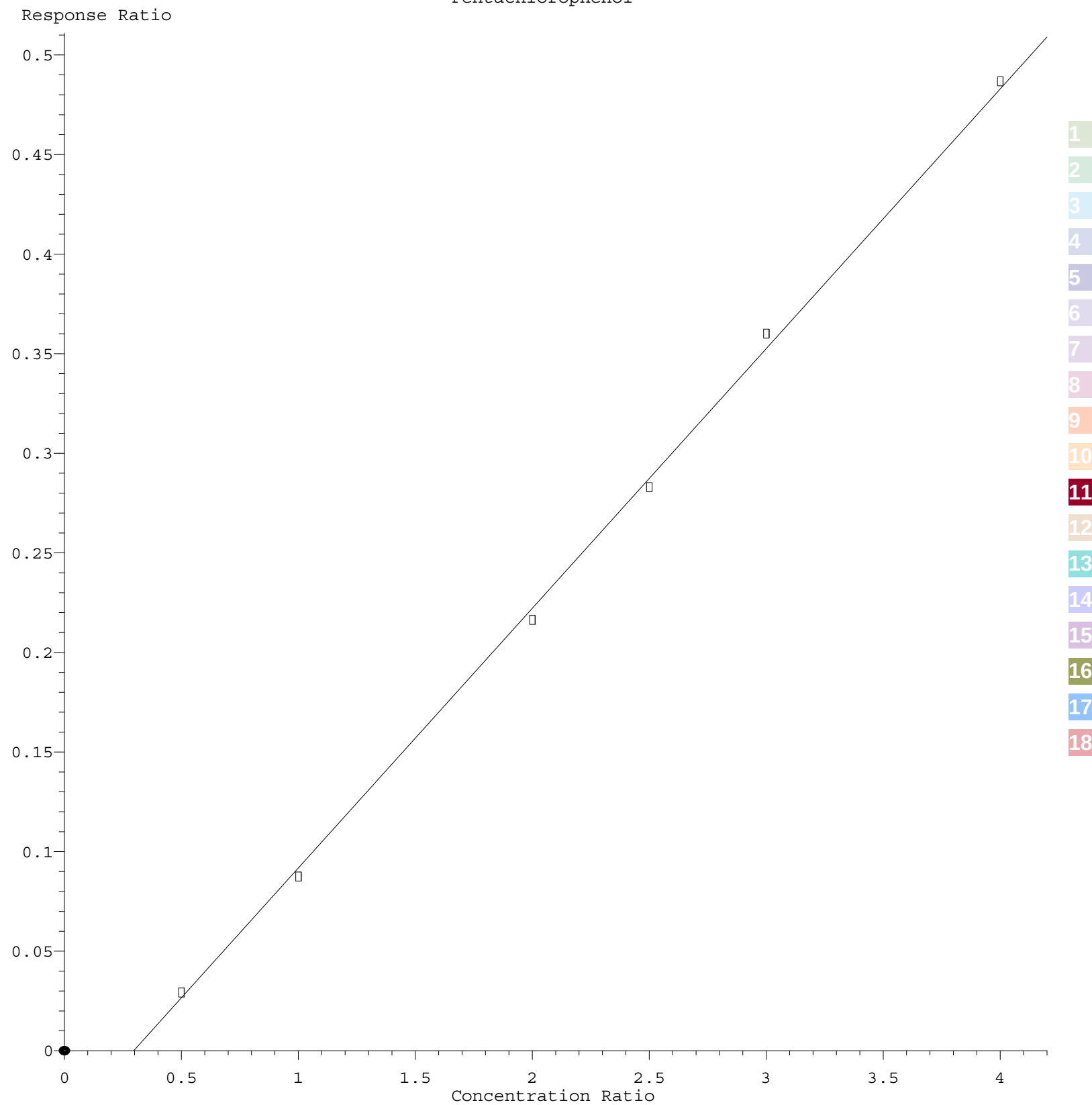


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4,6-Dinitro-2-methylphenol



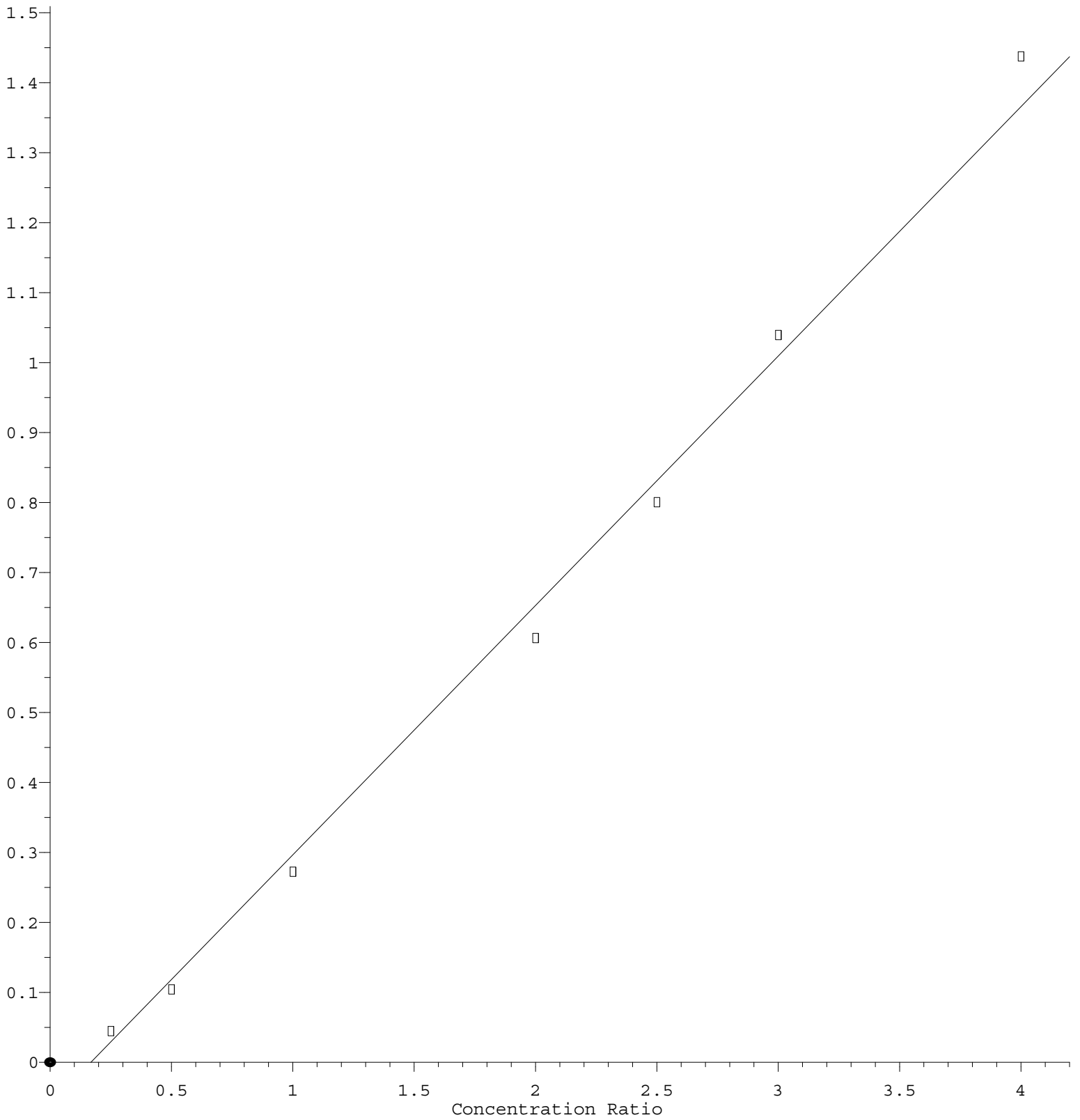
Pentachlorophenol



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Butylbenzylphthalate

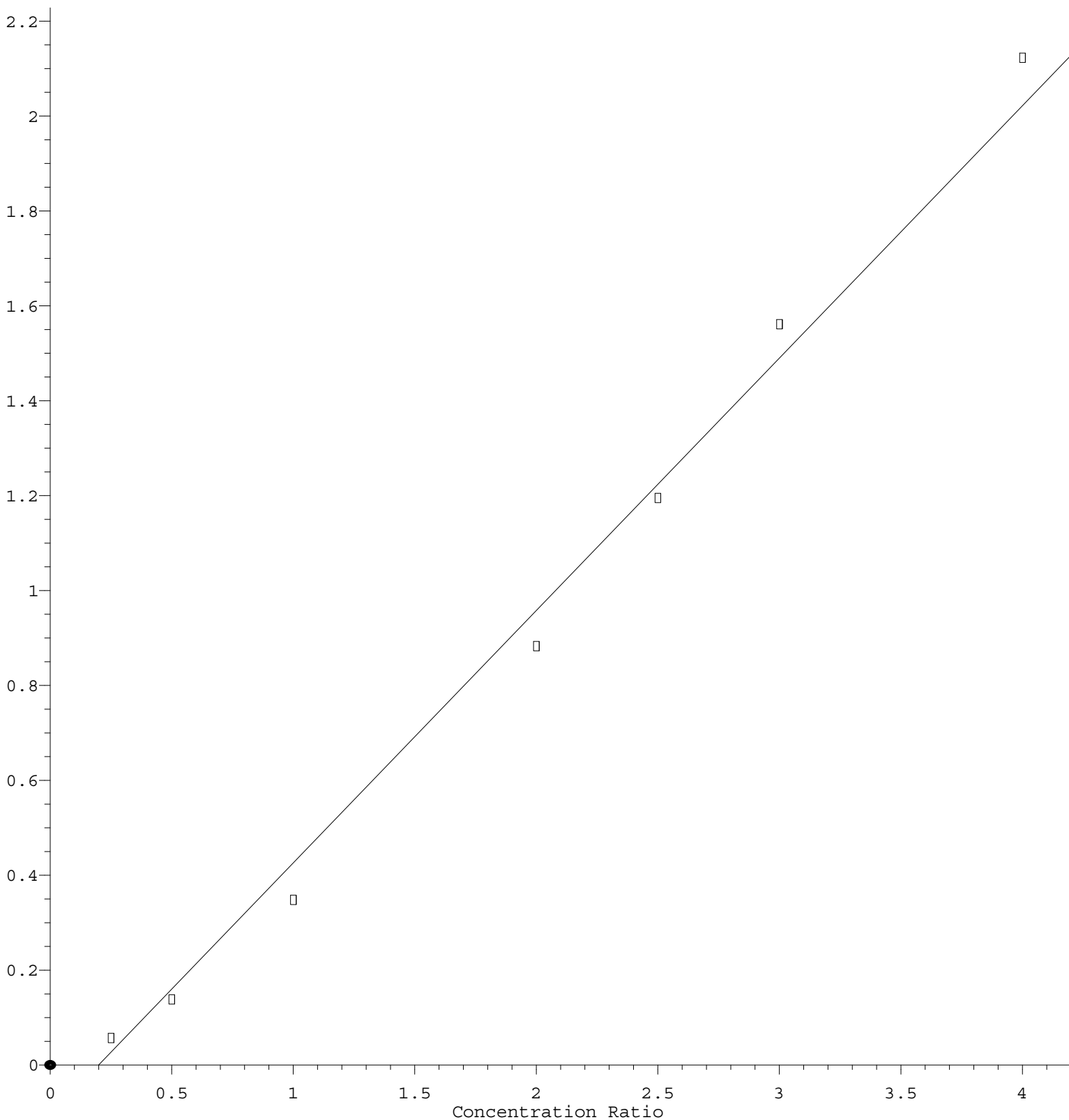
Response Ratio



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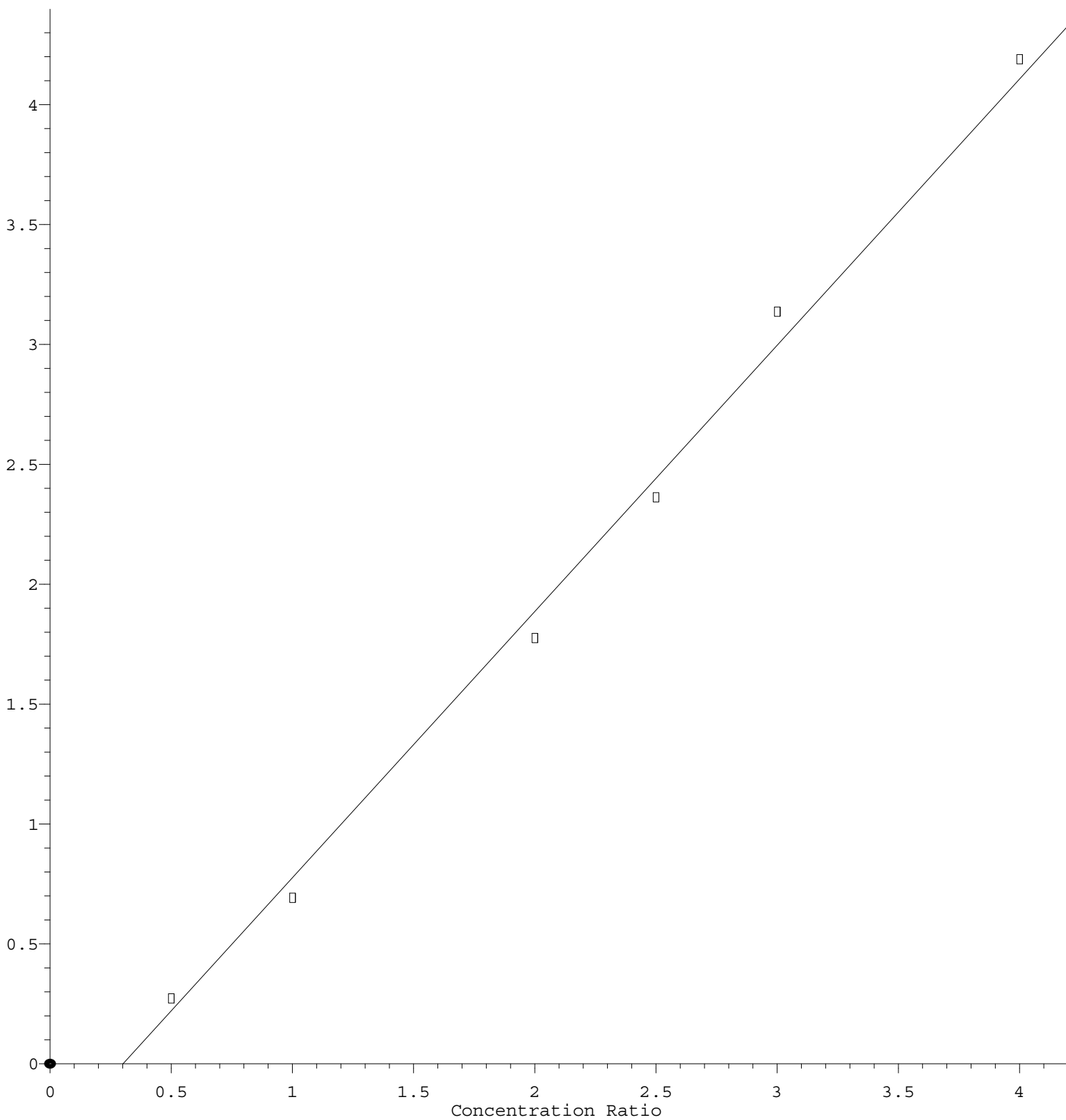
Bis(2-ethylhexyl)phthalate

Response Ratio



Di-n-octyl phthalate

Response Ratio



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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143343.D
Acq On : 12 Aug 2025 09:03
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 12 13:15:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

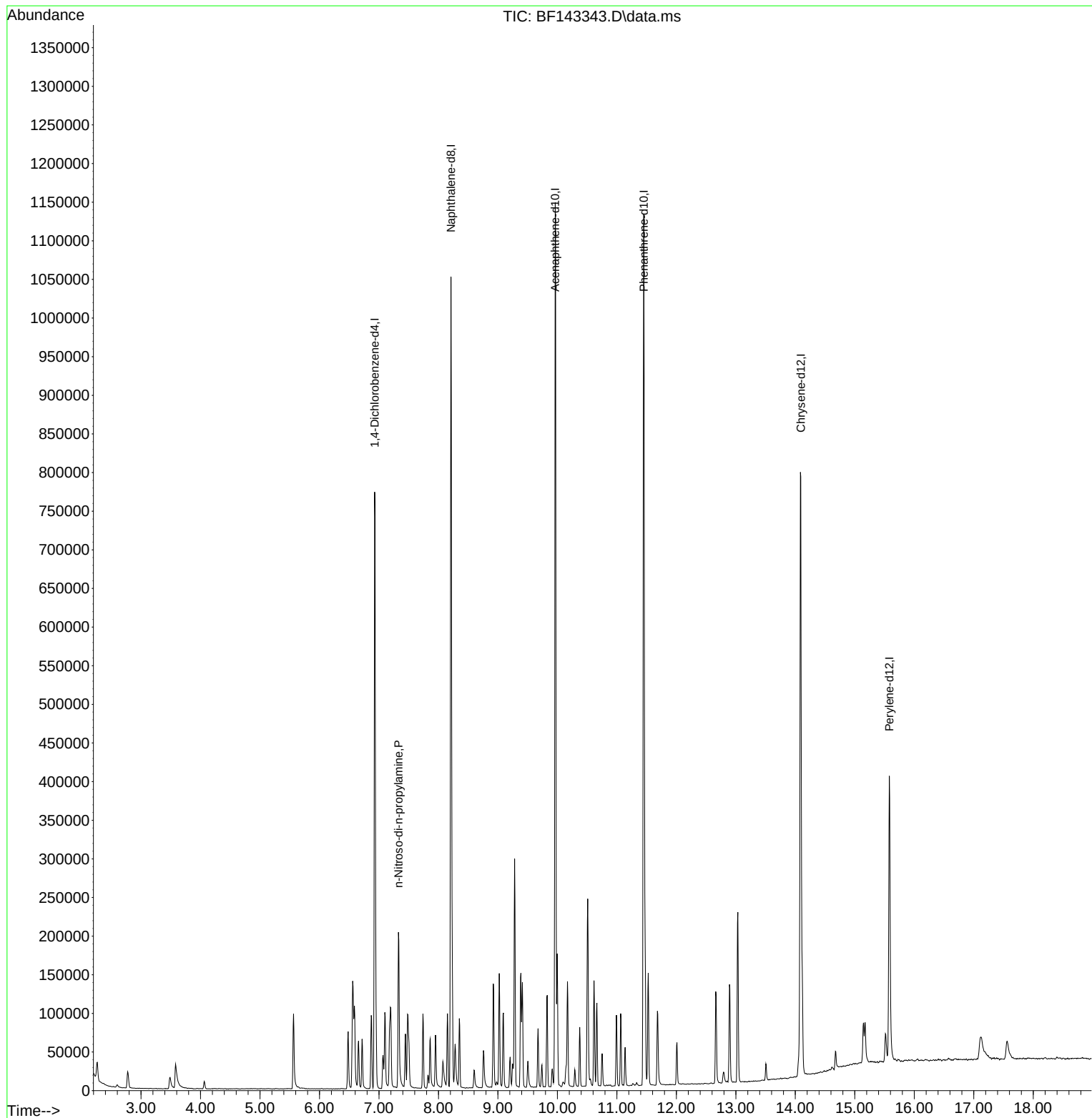
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	162273	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	638032	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	346209	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	555179	20.000	ng	0.00
76) Chrysene-d12	14.092	240	375834	20.000	ng	0.00
86) Perylene-d12	15.580	264	241869	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.328	70	19396	2.609	ng	Qvalue 94

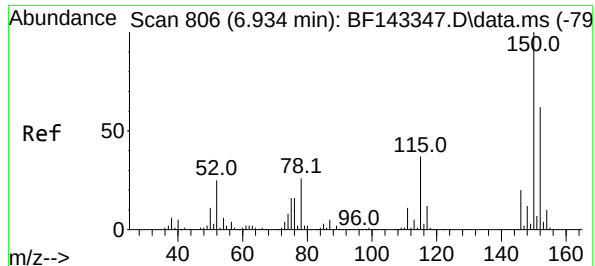
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143343.D
Acq On : 12 Aug 2025 09:03
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

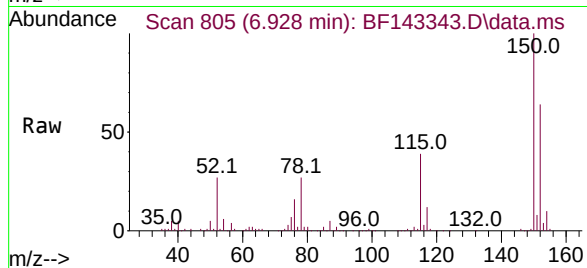
Quant Time: Aug 12 13:15:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



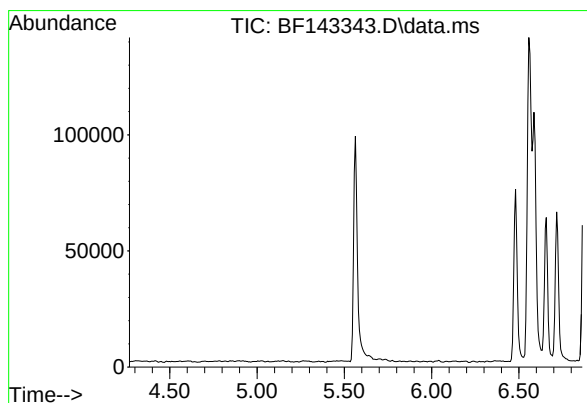
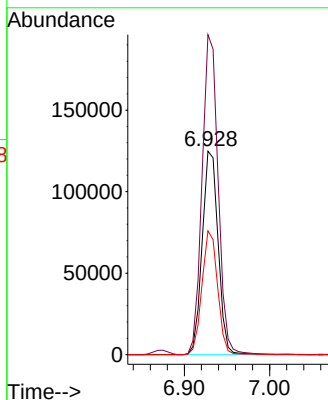
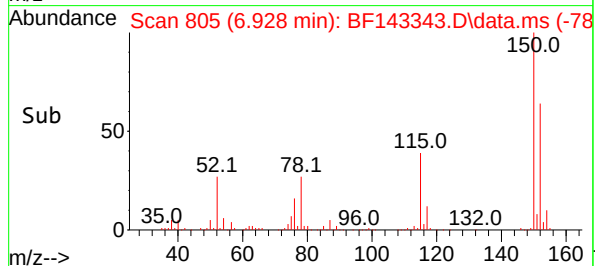


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



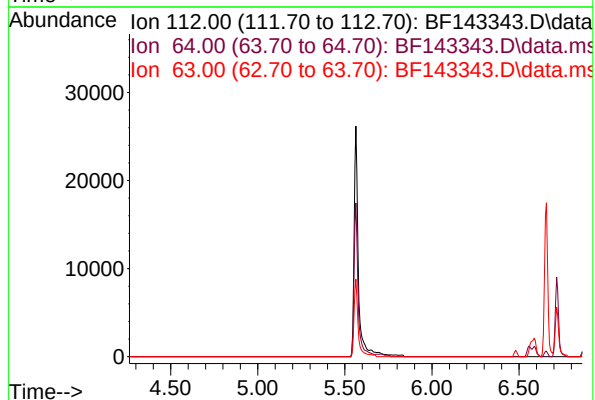
Tgt Ion:152 Resp: 162273
Ion Ratio Lower Upper
152 100
150 157.2 129.8 194.8
115 60.9 47.8 71.8

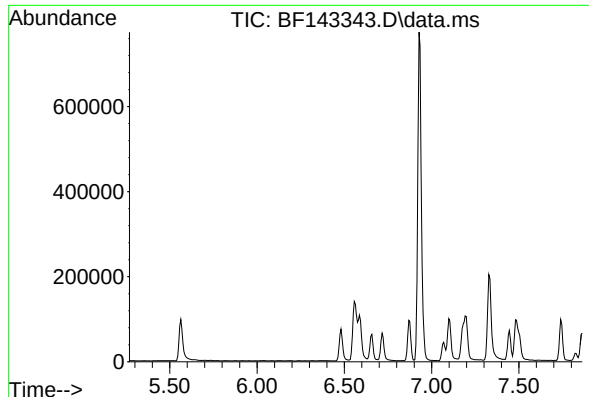


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.56 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 112
Sig Exp Ratio
112 100
64 65.1
63 33.2





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.56 min

Lab File: BF143343.D

Acq: 12 Aug 2025 09:03

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

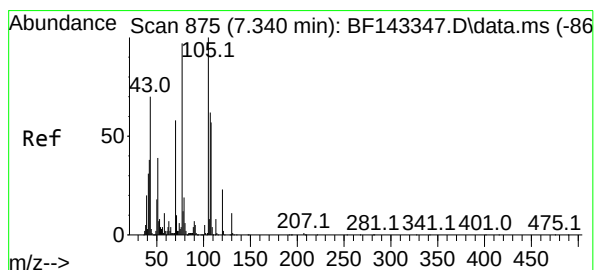
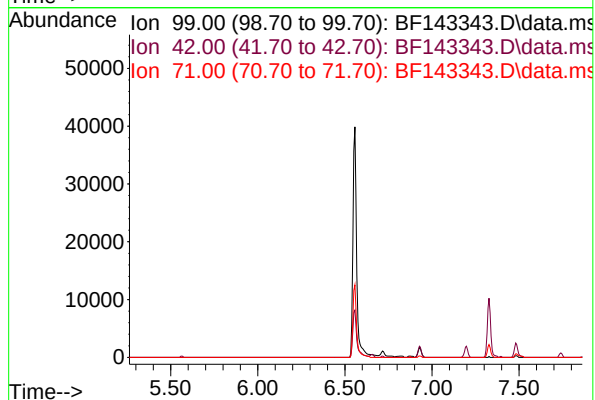
Tgt Ion: 99

Sig Exp Ratio

99 100

42 20.8

71 32.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.609 ng

RT: 7.328 min Scan# 873

Delta R.T. -0.012 min

Lab File: BF143343.D

Acq: 12 Aug 2025 09:03

Tgt Ion: 70 Resp: 19396

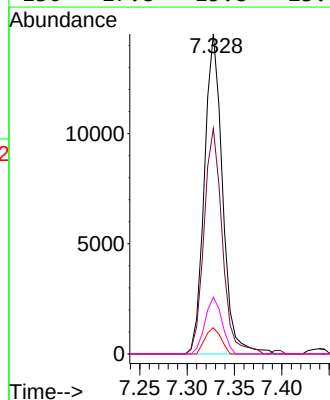
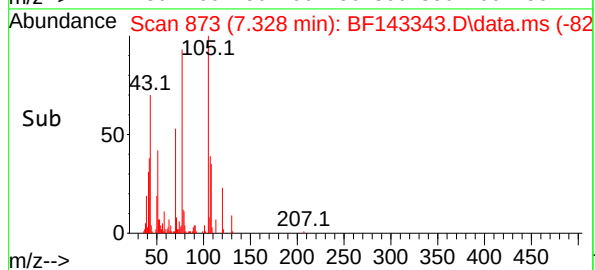
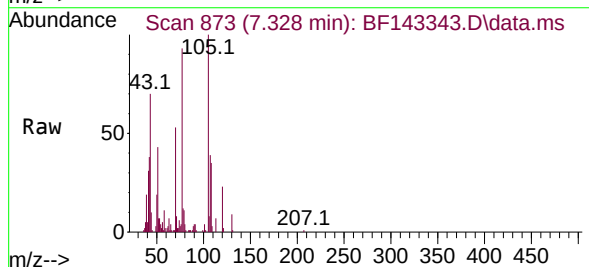
Ion Ratio Lower Upper

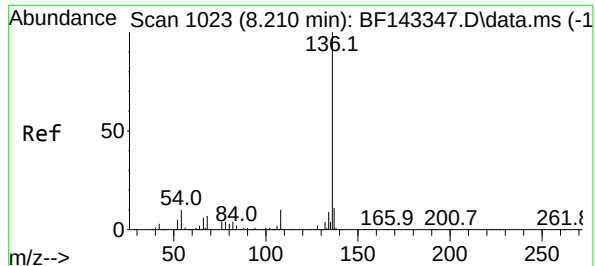
70 100

42 70.5 51.6 77.4

101 8.2 7.5 11.3

130 17.8 15.8 23.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143343.D

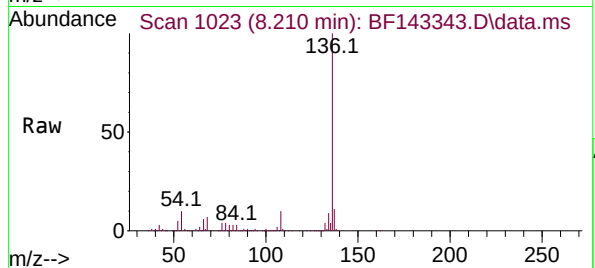
Acq: 12 Aug 2025 09:03

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 638032

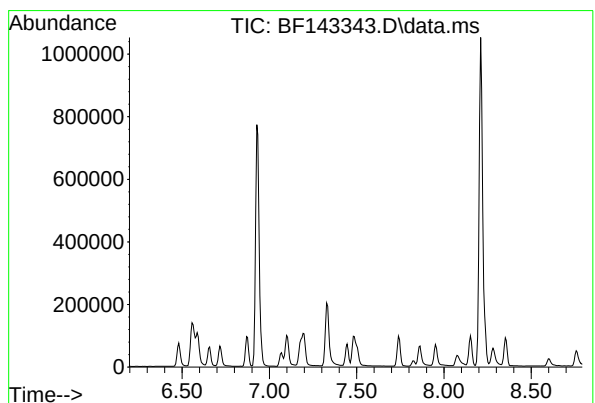
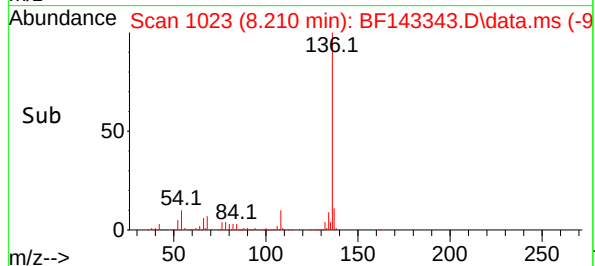
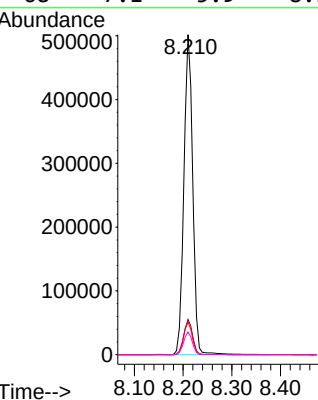
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.2 8.4 12.6

68 7.1 5.9 8.9



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.49 min

Lab File: BF143343.D

Acq: 12 Aug 2025 09:03

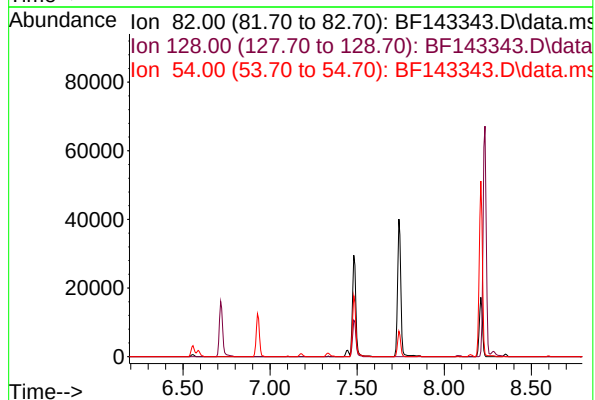
Tgt Ion: 82

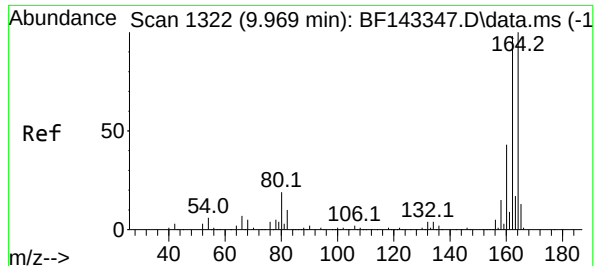
Sig Exp Ratio

82 100

128 41.9

54 58.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143343.D

Acq: 12 Aug 2025 09:03

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

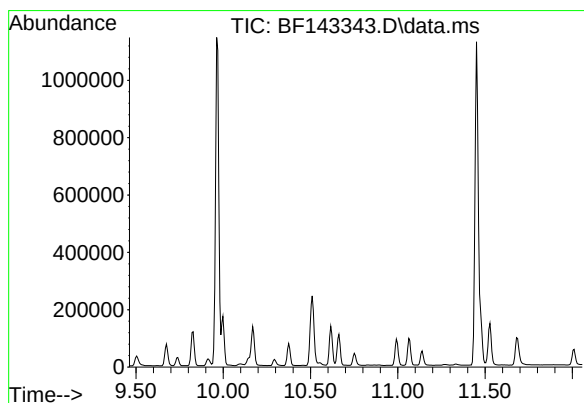
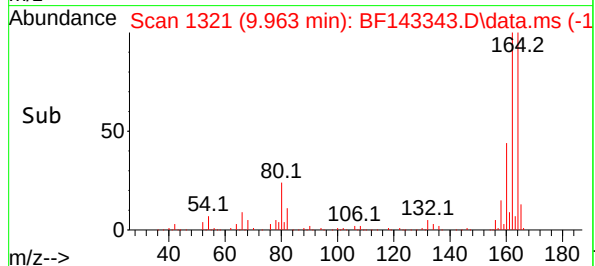
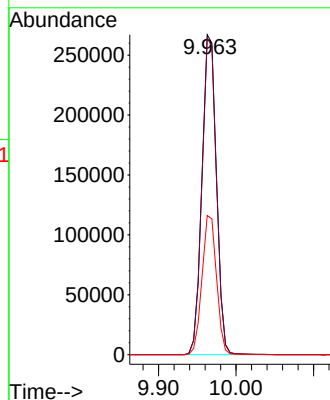
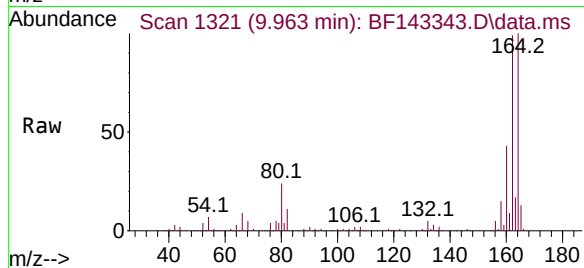
Tgt Ion:164 Resp: 346209

Ion Ratio Lower Upper

164 100

162 99.0 78.6 118.0

160 43.5 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.76 min

Lab File: BF143343.D

Acq: 12 Aug 2025 09:03

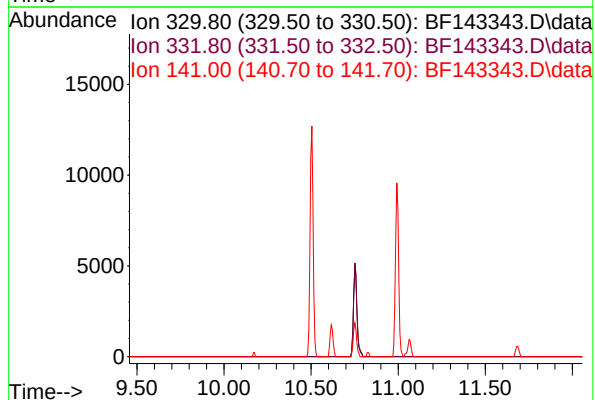
Tgt Ion: 330

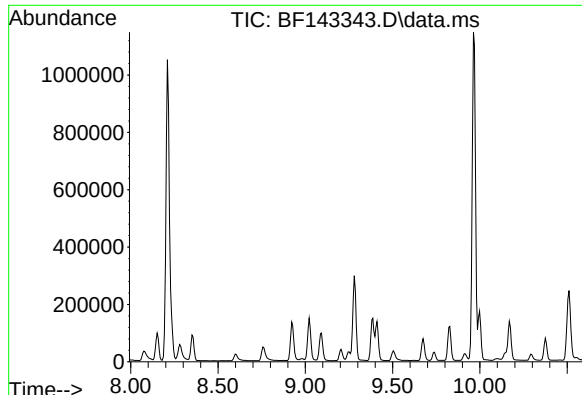
Sig Exp Ratio

330 100

332 97.6

141 31.7





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.29 min

Lab File: BF143343.D

Acq: 12 Aug 2025 09:03

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

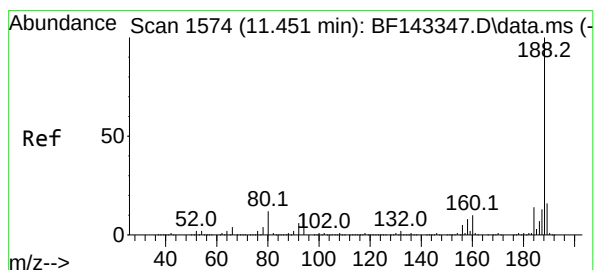
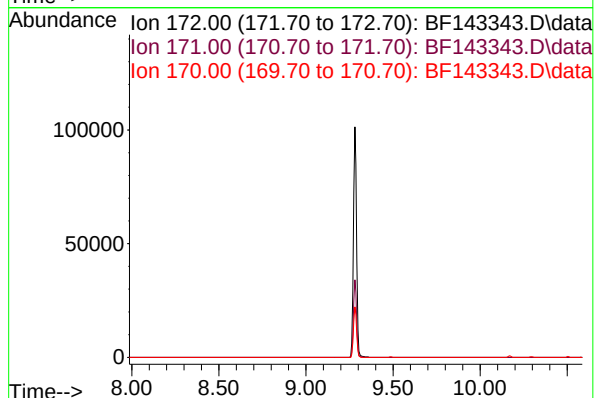
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.5

170 23.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.000 min

Lab File: BF143343.D

Acq: 12 Aug 2025 09:03

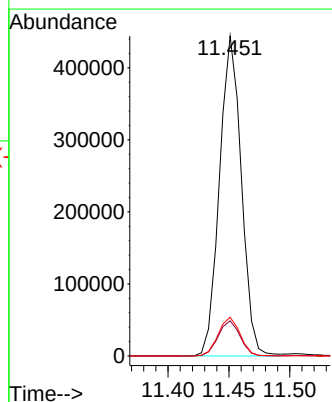
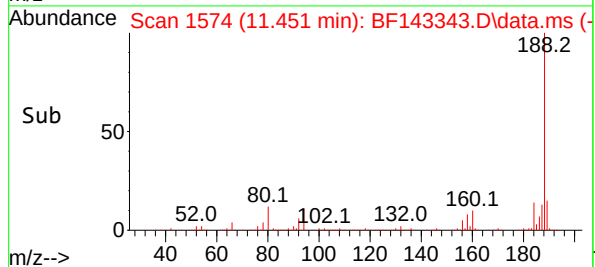
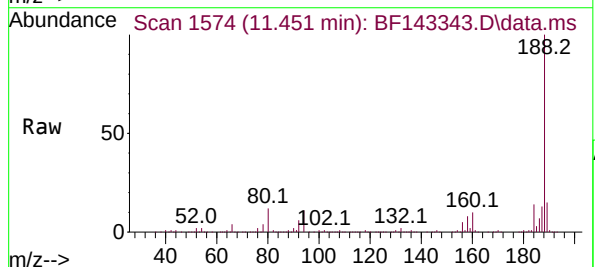
Tgt Ion:188 Resp: 555179

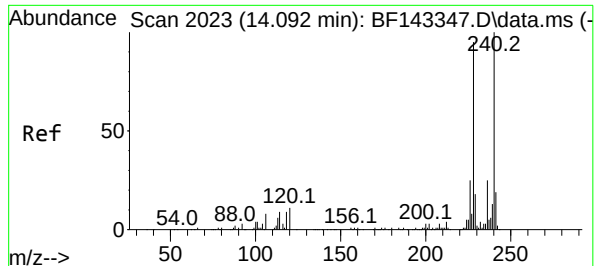
Ion Ratio Lower Upper

188 100

94 11.0 8.8 13.2

80 12.1 9.7 14.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143343.D

Acq: 12 Aug 2025 09:03

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

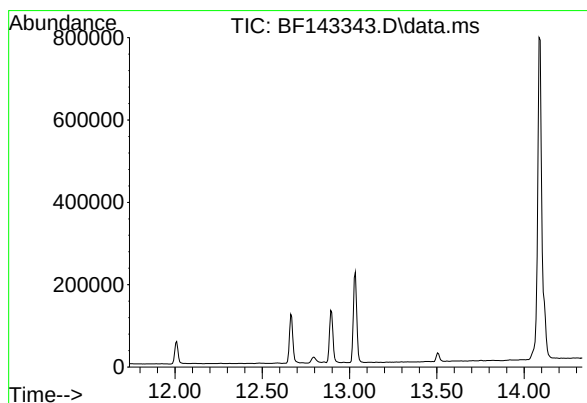
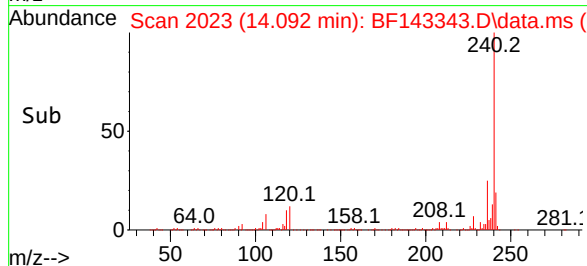
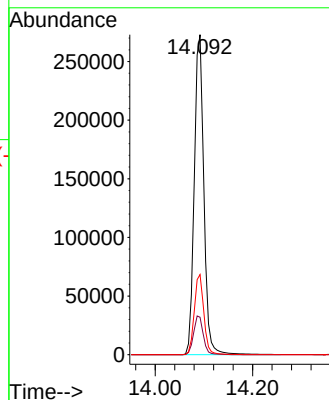
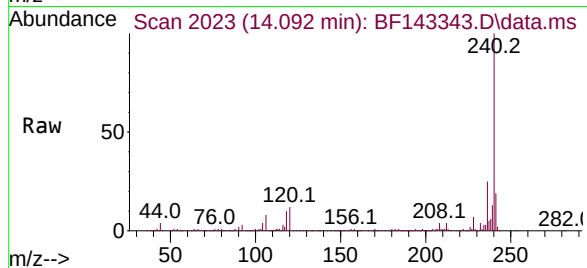
Tgt Ion:240 Resp: 375834

Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.6

236 25.1 19.9 29.9



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 13.03 min

Lab File: BF143343.D

Acq: 12 Aug 2025 09:03

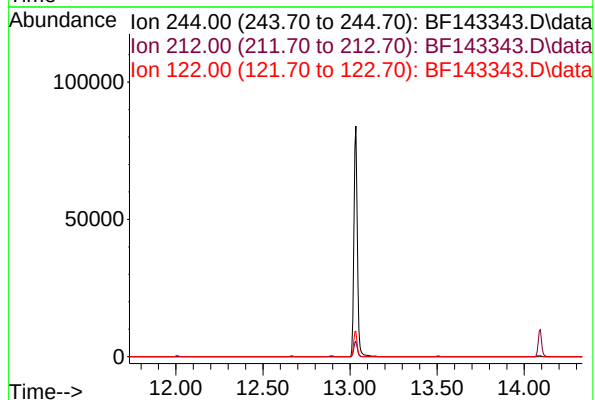
Tgt Ion: 244

Sig Exp Ratio

244 100

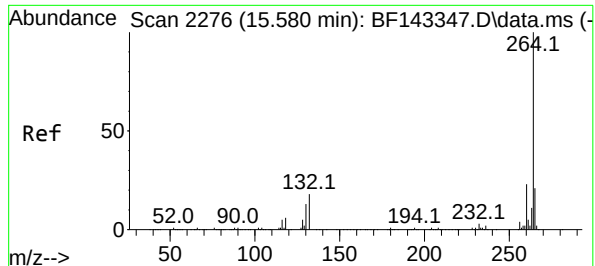
212 6.4

122 11.1



Ion 212.00 (211.70 to 212.70): BF143343.D\data

Ion 122.00 (121.70 to 122.70): BF143343.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143343.D

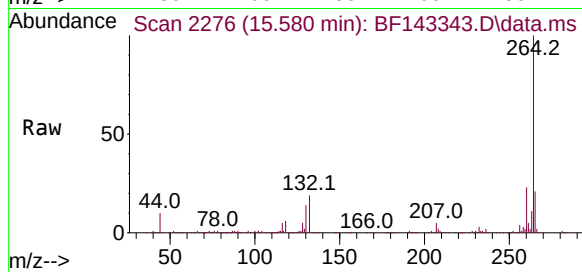
Acq: 12 Aug 2025 09:03

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



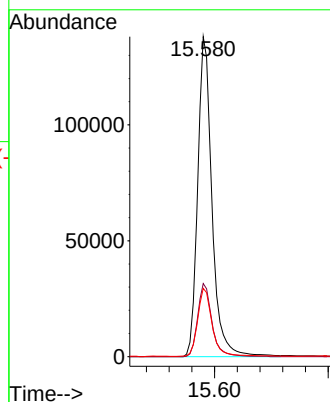
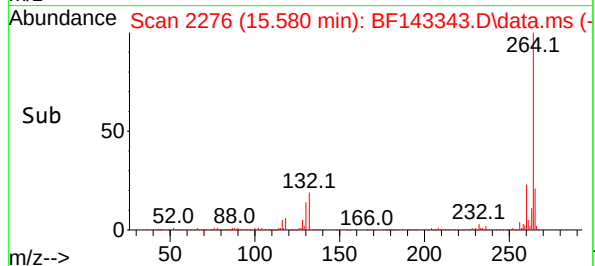
Tgt Ion:264 Resp: 241869

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 21.3 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143344.D
 Acq On : 12 Aug 2025 09:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Aug 12 13:16:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	162290	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	628268	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	344999	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	557349	20.000	ng	0.00
76) Chrysene-d12	14.086	240	344394	20.000	ng	0.00
86) Perylene-d12	15.580	264	252587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	93734	9.988	ng	0.00
7) Phenol-d6	6.551	99	123886	10.294	ng	-0.01
23) Nitrobenzene-d5	7.481	82	87105	8.634	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	18107	7.182	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	249109	12.244	ng	0.00
79) Terphenyl-d14	13.027	244	230289	11.938	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.775	88	24600	5.066	ng	96
3) Pyridine	3.563	79	59883	4.627	ng	98
6) Aniline	6.587	93	87728	5.171	ng	99
8) 2-Chlorophenol	6.716	128	47366	4.723	ng	97
10) Phenol	6.569	94	73959	5.187	ng	95
11) bis(2-Chloroethyl)ether	6.657	93	55039	5.238	ng	98
12) 1,3-Dichlorobenzene	6.869	146	62932	5.441	ng	98
13) 1,4-Dichlorobenzene	6.945	146	63946	5.508	ng	98
14) 1,2-Dichlorobenzene	7.098	146	60298	5.472	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	102291	5.453	ng	97
17) 2-Methylphenol	7.175	107	41246	4.873	ng	97
18) Hexachloroethane	7.445	117	17263	4.743	ng	96
19) n-Nitroso-di-n-propyla...	7.328	70	40228	5.410	ng	98
22) Acetophenone	7.328	105	78486	5.670	ng	# 97
24) Nitrobenzene	7.498	77	50634	4.621	ng	96
25) Isophorone	7.739	82	108673	5.276	ng	97
26) 2-Nitrophenol	7.822	139	10813	5.918	ng	95
27) 2,4-Dimethylphenol	7.857	122	40753	4.743	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	66594	5.296	ng	98
29) 2,4-Dichlorophenol	8.069	162	38135	4.544	ng	97
30) 1,2,4-Trichlorobenzene	8.151	180	46949	5.303	ng	98
31) Naphthalene	8.233	128	170051	5.625	ng	99
33) 4-Chloroaniline	8.281	127	56886	5.217	ng	99
34) Hexachlorobutadiene	8.351	225	29122	5.288	ng	99
36) 4-Chloro-3-methylphenol	8.757	107	42384	4.817	ng	99
37) 2-Methylnaphthalene	8.922	142	113134	5.692	ng	99
38) 1-Methylnaphthalene	9.022	142	108359	5.661	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	50724	5.373	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	20838	3.890	ng	98
44) 2,4,5-Trichlorophenol	9.245	196	26517	4.384	ng	99
46) 1,1'-Biphenyl	9.380	154	139115	5.703	ng	100
47) 2-Chloronaphthalene	9.410	162	104874	5.459	ng	97
48) 2-Nitroaniline	9.498	65	16200	5.521	ng	89
49) Acenaphthylene	9.822	152	151682	5.467	ng	99
50) Dimethylphthalate	9.675	163	100034	4.962	ng	100
51) 2,6-Dinitrotoluene	9.739	165	10751	5.607	ng	89

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143344.D
Acq On : 12 Aug 2025 09:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

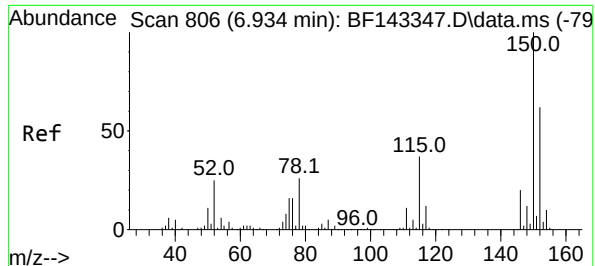
Quant Time: Aug 12 13:16:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.998	154	104223	5.651	ng	99
53) 3-Nitroaniline	9.910	138	13704	3.319	ng #	85
55) Dibenzofuran	10.169	168	151524	5.708	ng	99
57) 2,4-Dinitrotoluene	10.139	165	13285	5.473	ng #	85
58) Fluorene	10.510	166	119124	5.875	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	14793	3.628	ng #	98
60) Diethylphthalate	10.375	149	87234	4.831	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	55620	5.677	ng	99
62) 4-Nitroaniline	10.516	138	15026	3.762	ng	95
63) Azobenzene	10.663	77	112299	5.445	ng	99
66) n-Nitrosodiphenylamine	10.616	169	96579	5.263	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	32274	5.063	ng	98
68) Hexachlorobenzene	11.063	284	35913	5.227	ng	96
69) Atrazine	11.139	200	20457	4.274	ng	100
71) Phenanthrene	11.474	178	169159	5.563	ng	99
72) Anthracene	11.527	178	170698	5.535	ng	98
73) Carbazole	11.680	167	146129	5.564	ng	99
74) Di-n-butylphthalate	12.004	149	93961	4.228	ng	99
75) Fluoranthene	12.663	202	156101	5.860	ng	99
78) Pyrene	12.892	202	165633	5.733	ng	98
80) Butylbenzylphthalate	13.504	149	15374	5.856	ng	99
81) Benzo(a)anthracene	14.080	228	114909	5.250	ng	98
83) Chrysene	14.115	228	109349	5.357	ng	98
84) Bis(2-ethylhexyl)phtha...	14.063	149	19633	6.133	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	88484	4.890	ng	98
88) Benzo(b)fluoranthene	15.139	252	74031	5.359	ng	98
89) Benzo(k)fluoranthene	15.168	252	67207	5.006	ng	99
90) Benzo(a)pyrene	15.515	252	66211	5.089	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	71319	4.933	ng	98
92) Benzo(g,h,i)perylene	17.551	276	69991	4.806	ng #	93

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

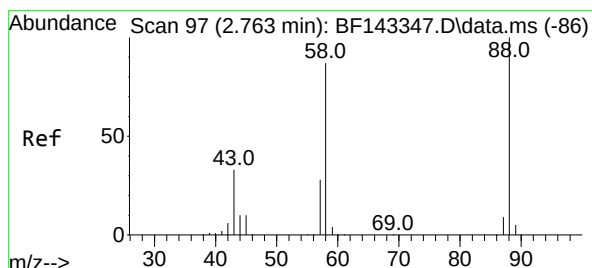
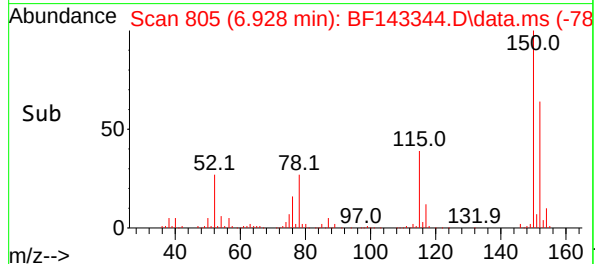
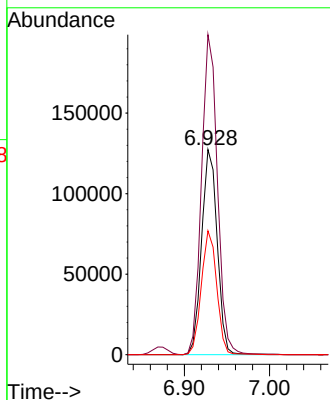
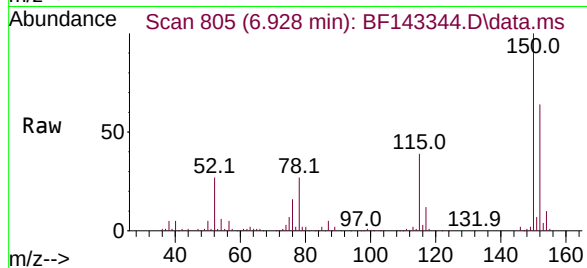
- 1
- 2
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- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

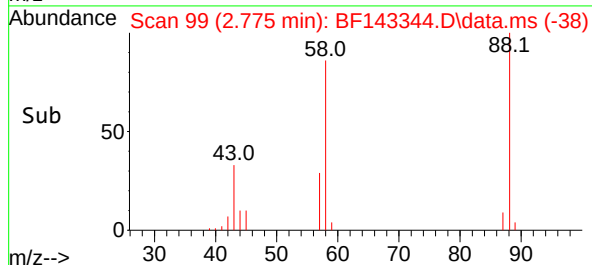
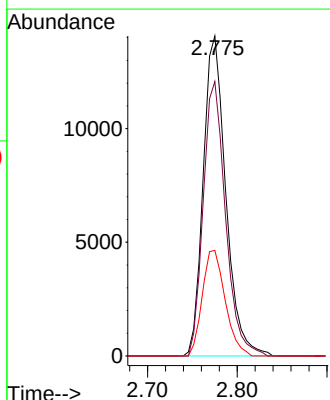
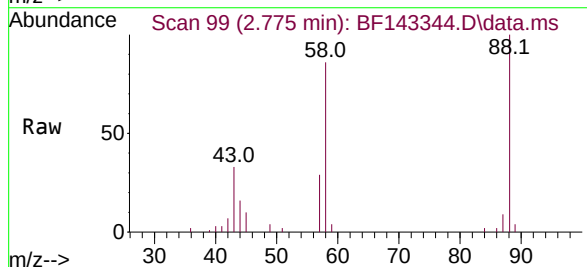
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

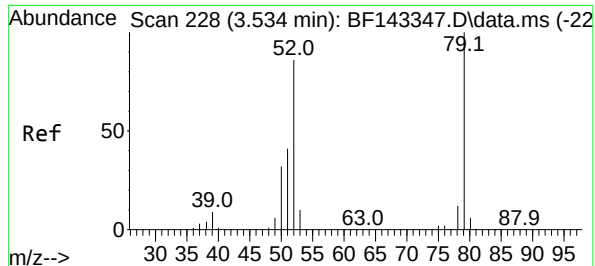
Tgt Ion:152 Resp: 162290
Ion Ratio Lower Upper
152 100
150 156.0 129.8 194.8
115 60.3 47.8 71.8



#2
1,4-Dioxane
Concen: 5.066 ng
RT: 2.775 min Scan# 99
Delta R.T. 0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 88 Resp: 24600
Ion Ratio Lower Upper
88 100
58 84.4 71.0 106.6
43 33.4 27.0 40.6





#3

Pyridine

Concen: 4.627 ng

RT: 3.563 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

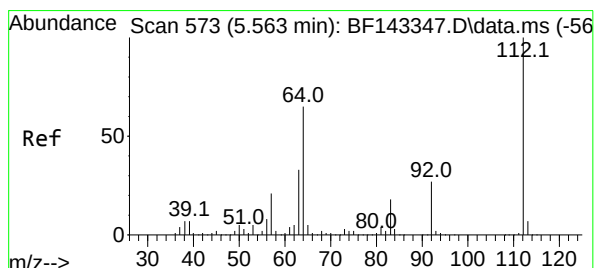
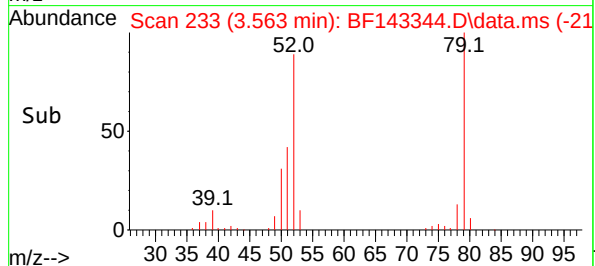
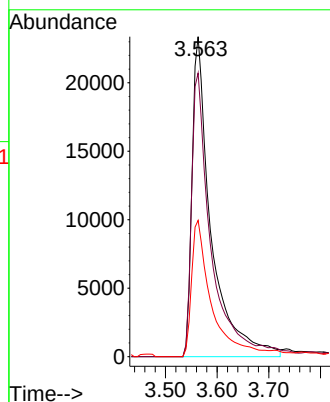
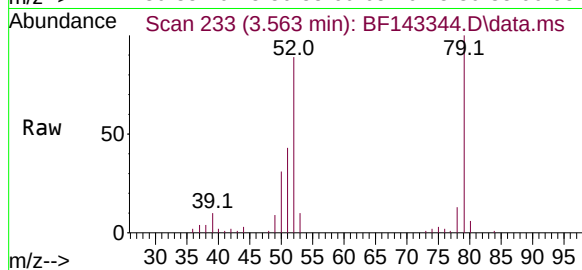
Tgt Ion: 79 Resp: 59883

Ion Ratio Lower Upper

79 100

52 88.6 68.7 103.1

51 42.6 33.4 50.0



#5

2-Fluorophenol

Concen: 9.988 ng

RT: 5.557 min Scan# 572

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

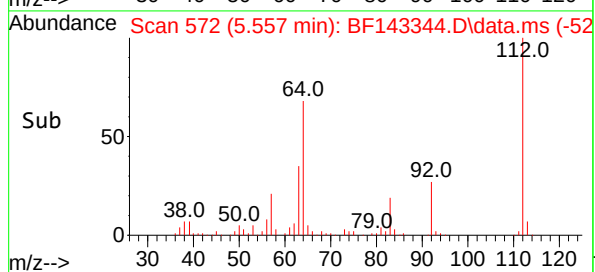
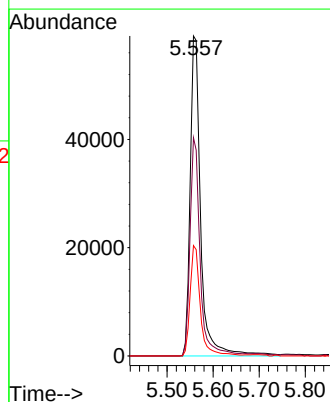
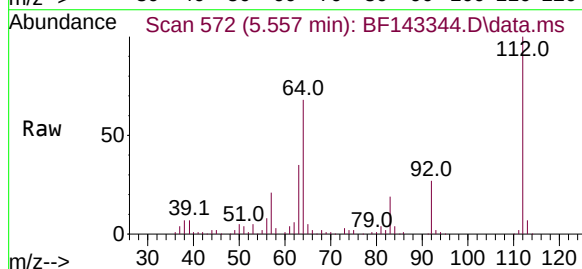
Tgt Ion: 112 Resp: 93734

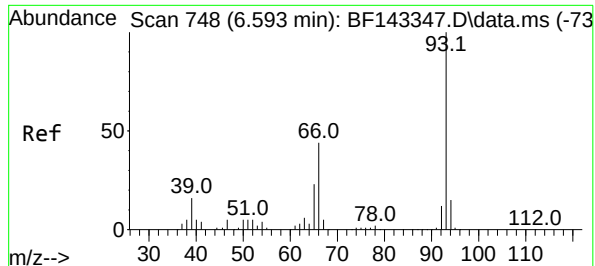
Ion Ratio Lower Upper

112 100

64 68.2 52.1 78.1

63 34.5 26.6 39.8

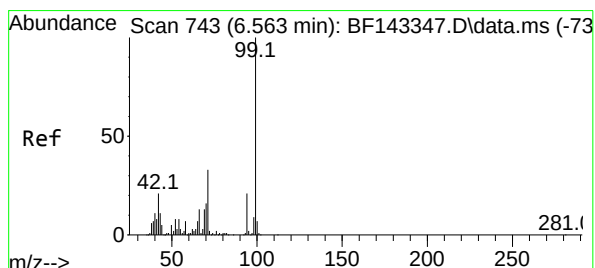
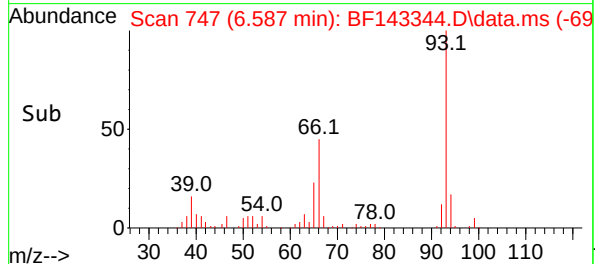
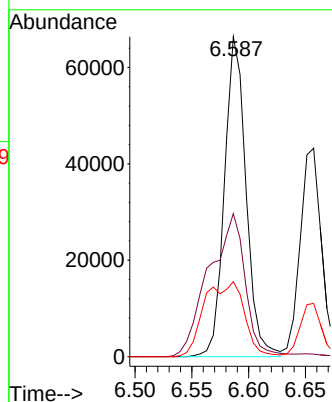
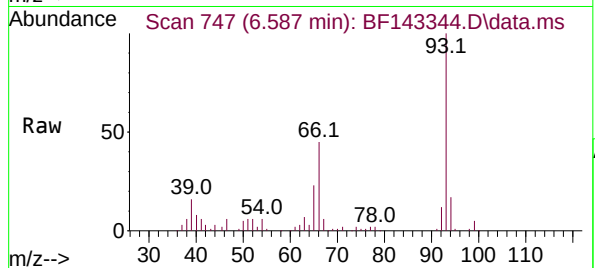




#6
Aniline
Concen: 5.171 ng
RT: 6.587 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

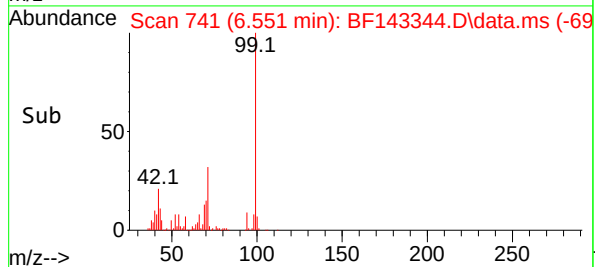
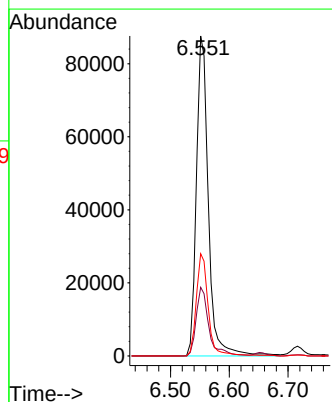
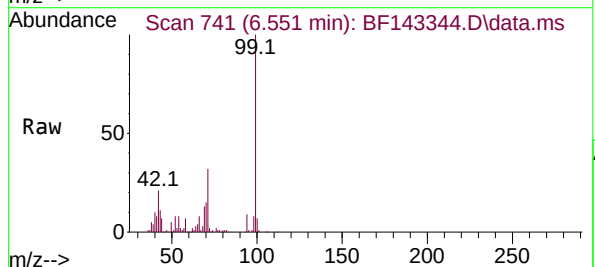
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

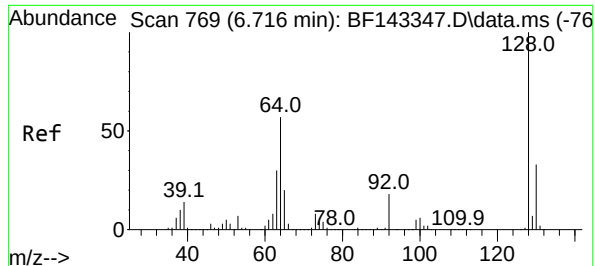
Tgt Ion: 93 Resp: 87728
Ion Ratio Lower Upper
93 100
66 44.7 35.3 52.9
65 23.5 18.2 27.4



#7
Phenol-d6
Concen: 10.294 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 99 Resp: 123886
Ion Ratio Lower Upper
99 100
42 21.5 16.6 25.0
71 31.9 26.2 39.2

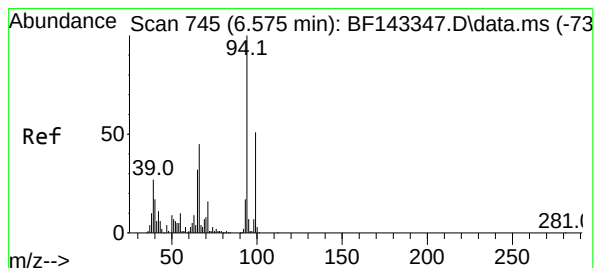
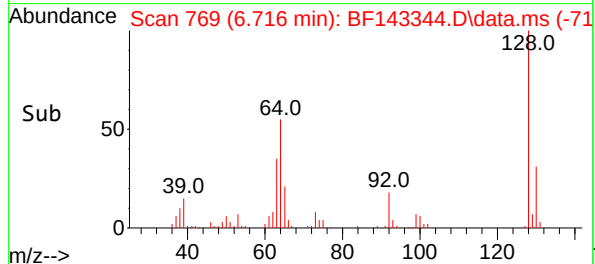
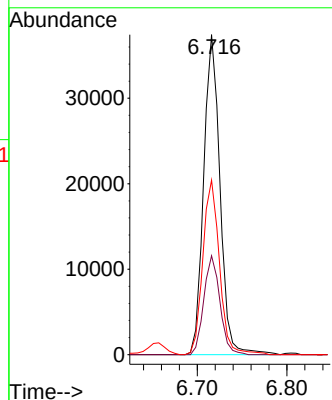
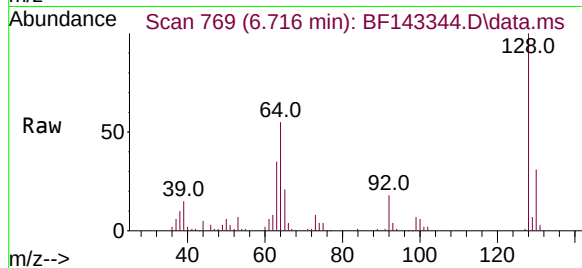




#8
2-Chlorophenol
Concen: 4.723 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

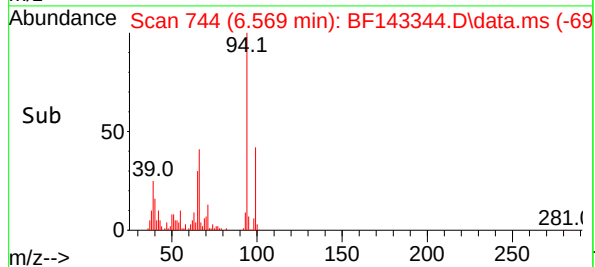
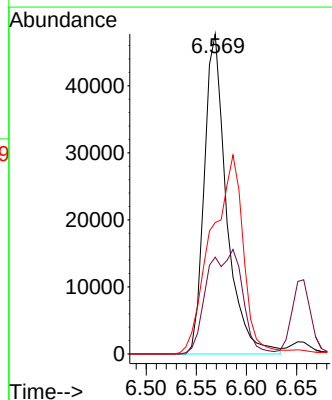
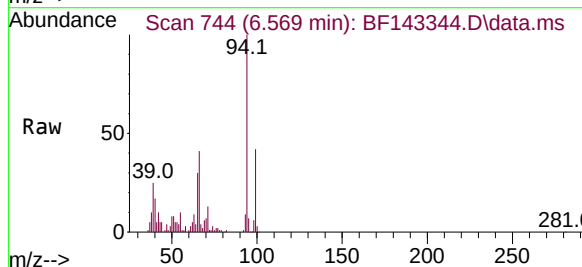
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

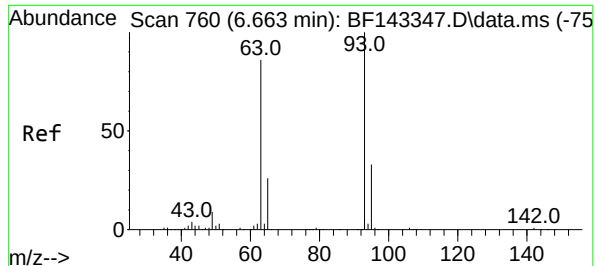
Tgt Ion	Ratio	Lower	Upper
128	100		
130	30.9	12.6	52.6
64	54.6	36.7	76.7



#10
Phenol
Concen: 5.187 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.3	12.0	52.0
66	41.0	25.6	65.6

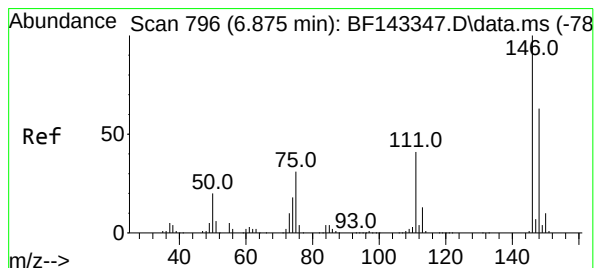
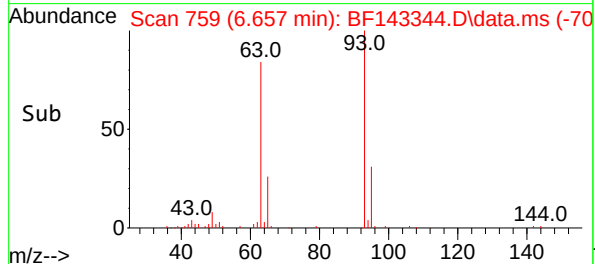
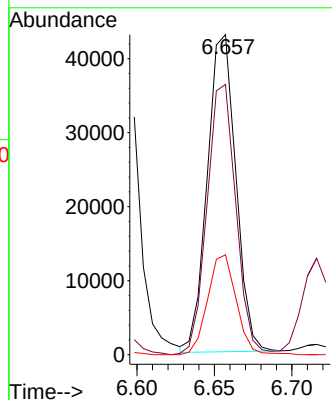
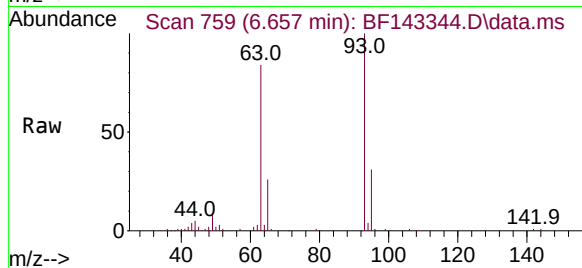




#11
bis(2-Chloroethyl)ether
Concen: 5.238 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

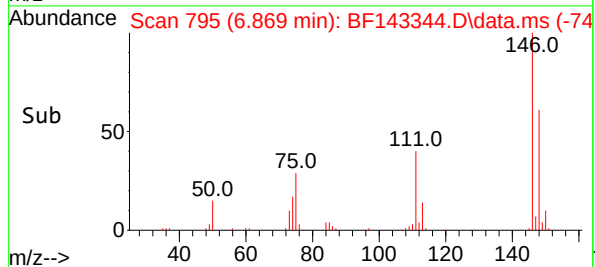
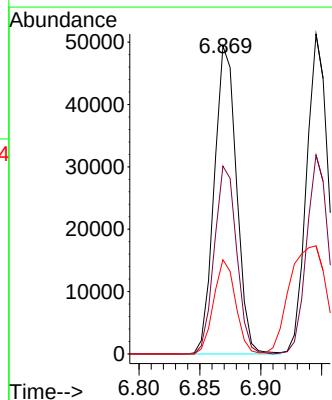
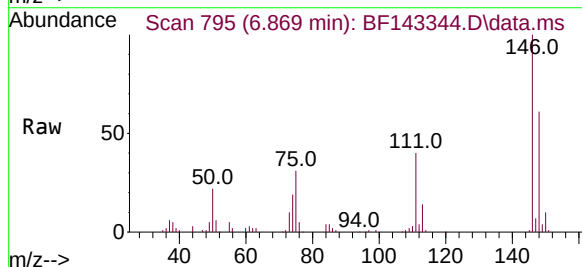
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

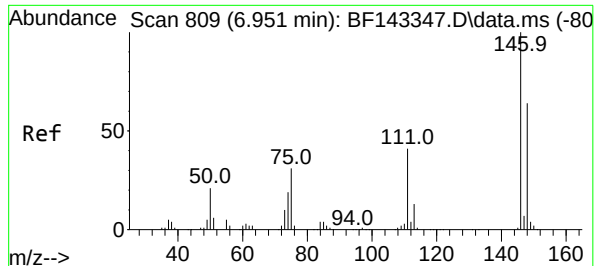
Tgt Ion: 93 Resp: 55039
Ion Ratio Lower Upper
93 100
63 84.4 65.7 105.7
95 31.2 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 5.441 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 146 Resp: 62932
Ion Ratio Lower Upper
146 100
148 61.0 50.5 75.7
75 30.6 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 5.508 ng

RT: 6.945 min Scan# 809

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

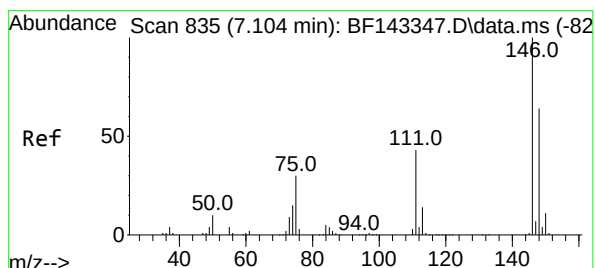
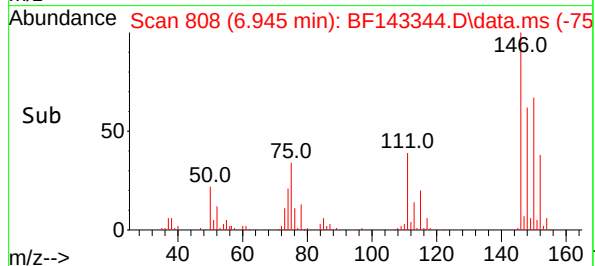
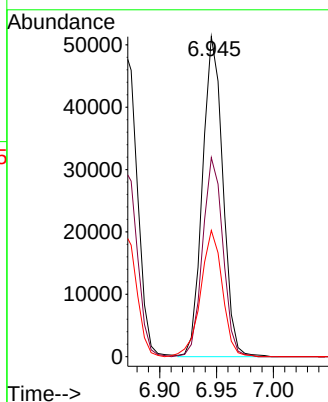
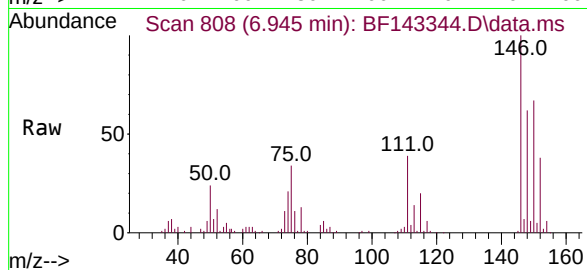
Tgt Ion:146 Resp: 63946

Ion Ratio Lower Upper

146 100

148 62.2 51.4 77.0

111 39.5 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 5.472 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

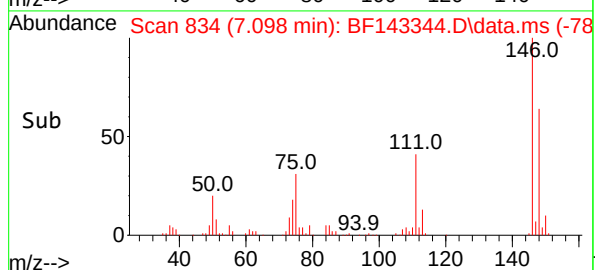
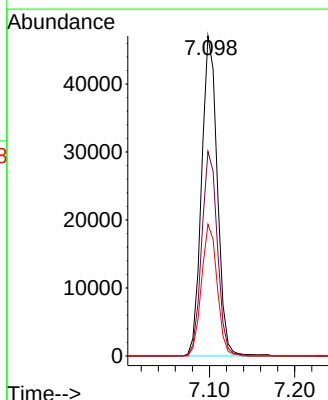
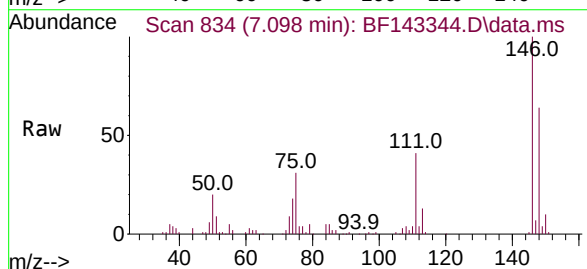
Tgt Ion:146 Resp: 60298

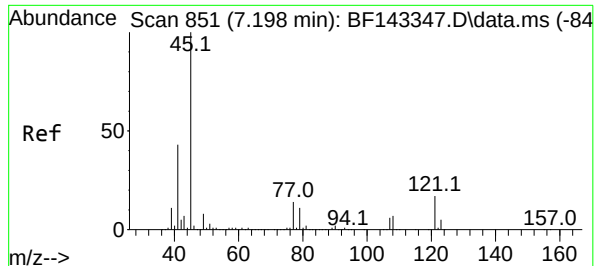
Ion Ratio Lower Upper

146 100

148 63.9 51.4 77.2

111 41.1 34.1 51.1

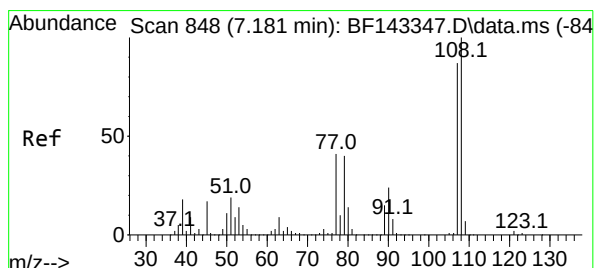
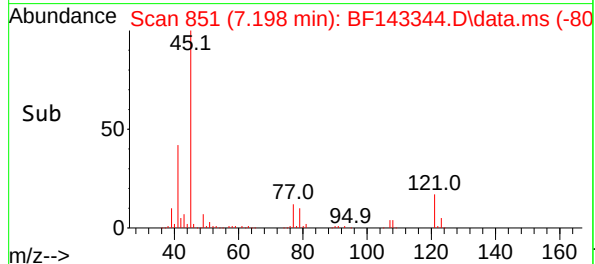
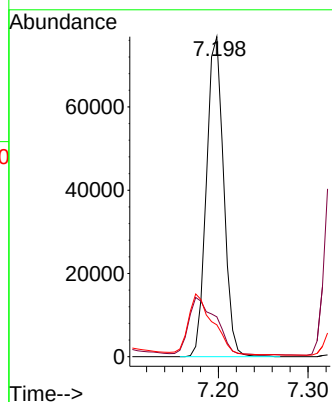
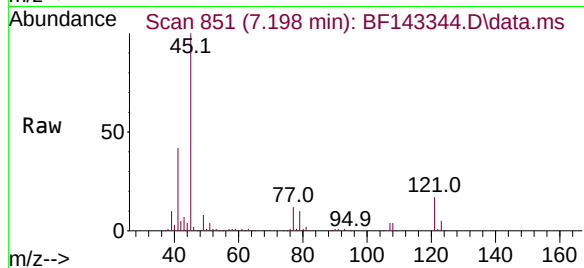




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.453 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

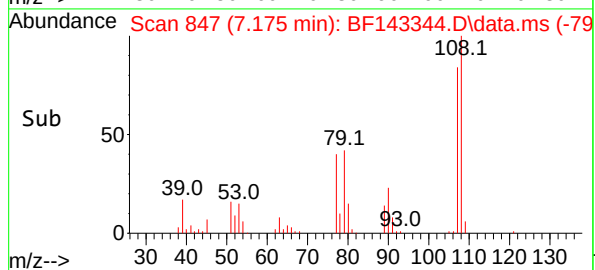
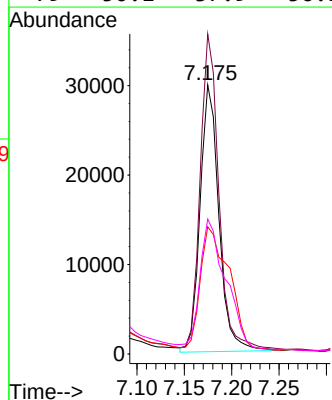
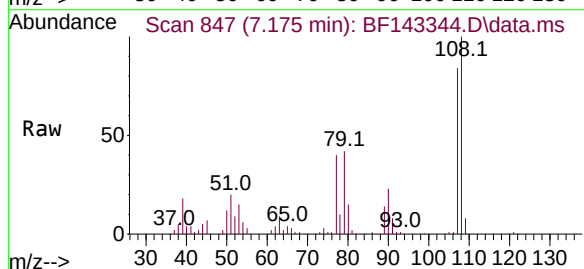
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

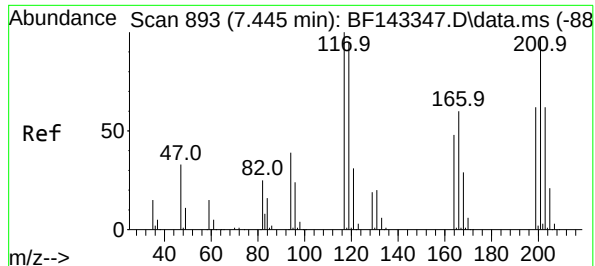
Tgt Ion: 45 Resp: 102291
Ion Ratio Lower Upper
45 100
77 12.5 0.0 34.0
79 10.0 0.0 31.1



#17
2-Methylphenol
Concen: 4.873 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 107 Resp: 41246
Ion Ratio Lower Upper
107 100
108 118.9 92.0 138.0
77 47.3 38.2 57.2
79 50.1 37.9 56.9

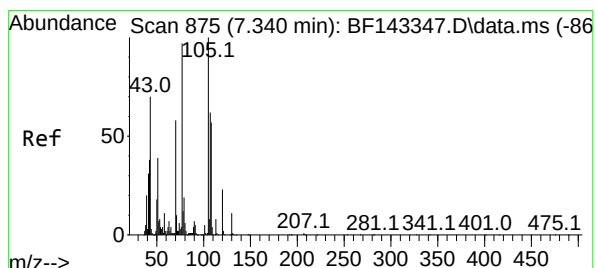
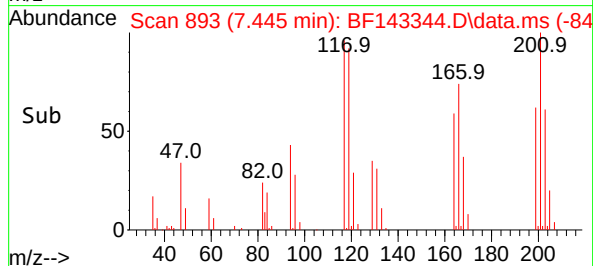
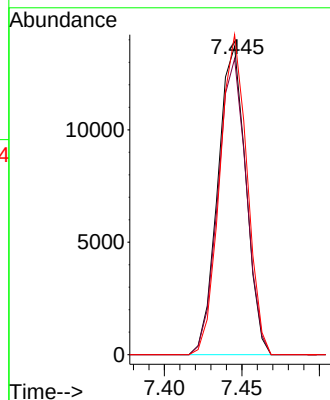
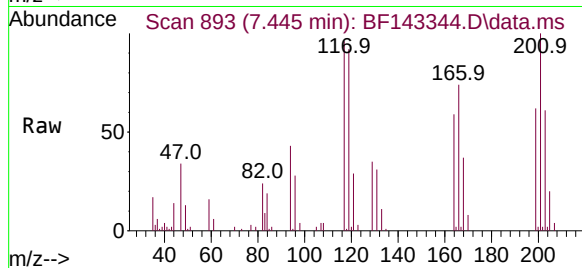




#18
Hexachloroethane
Concen: 4.743 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

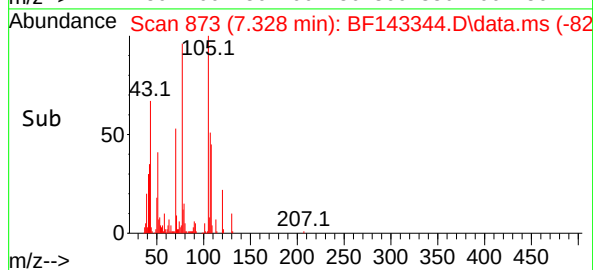
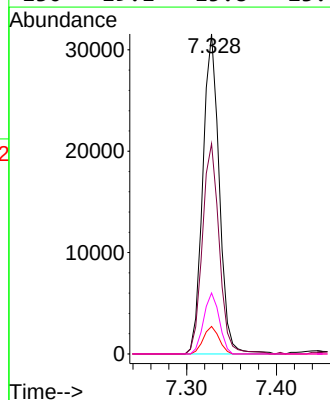
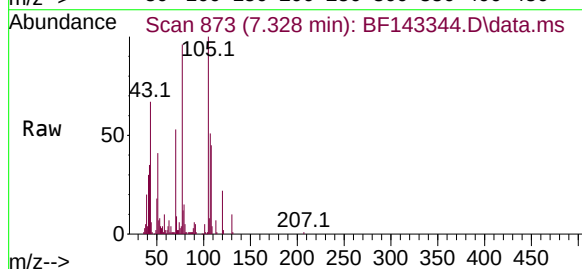
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

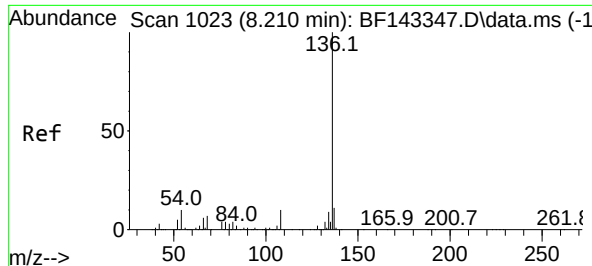
Tgt Ion: 117 Resp: 17263
Ion Ratio Lower Upper
117 100
119 96.0 75.8 113.8
201 103.8 77.2 115.8



#19
n-Nitroso-di-n-propylamine
Concen: 5.410 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 70 Resp: 40228
Ion Ratio Lower Upper
70 100
42 65.7 51.6 77.4
101 8.6 7.5 11.3
130 19.1 15.8 23.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

Tgt Ion:136 Resp: 628268

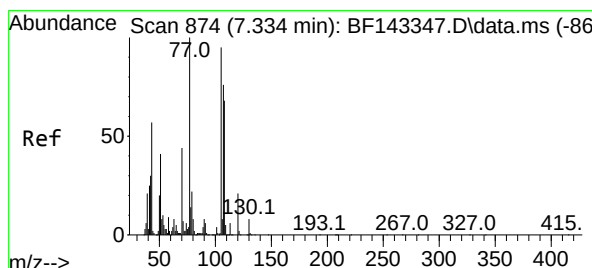
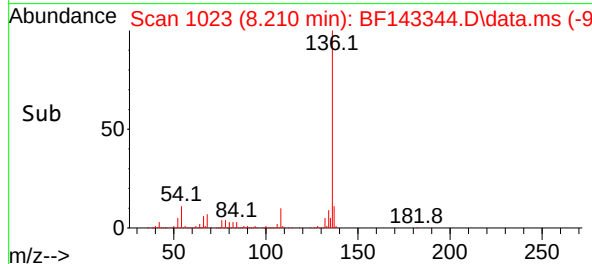
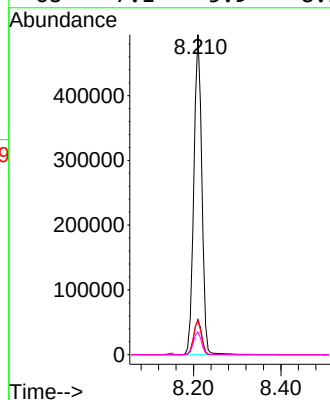
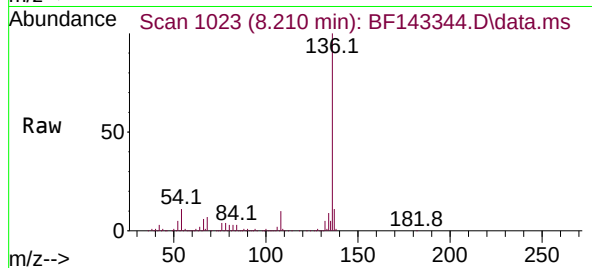
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 10.5 8.4 12.6

68 7.1 5.9 8.9



#22

Acetophenone

Concen: 5.670 ng

RT: 7.328 min Scan# 873

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Tgt Ion:105 Resp: 78486

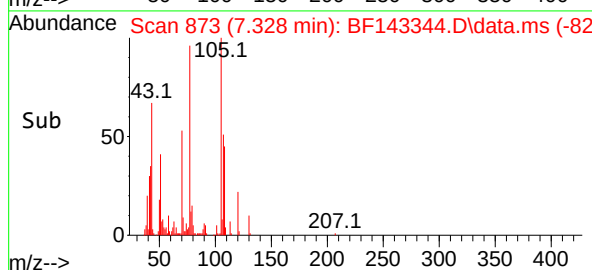
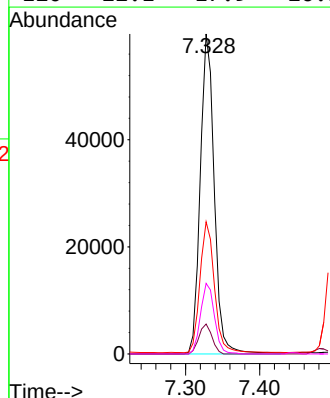
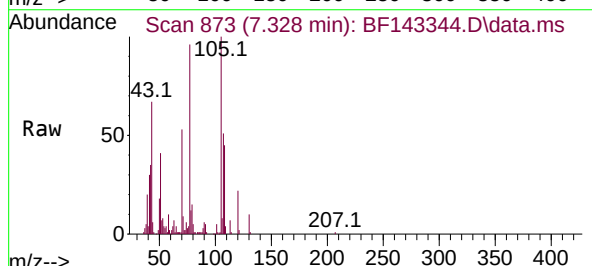
Ion Ratio Lower Upper

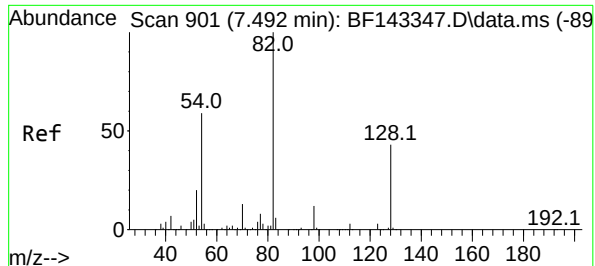
105 100

71 9.4 6.2 9.4#

51 41.3 34.8 52.2

120 22.1 17.9 26.9

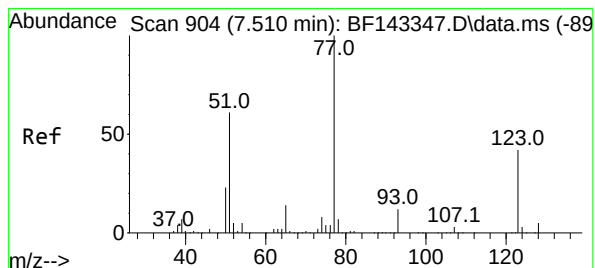
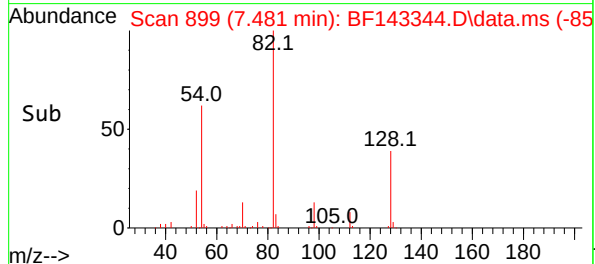
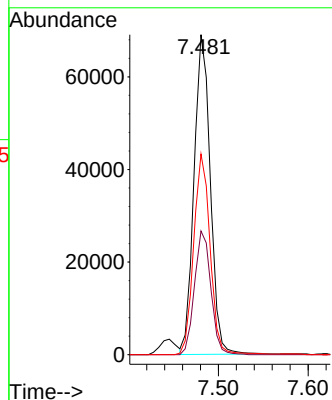
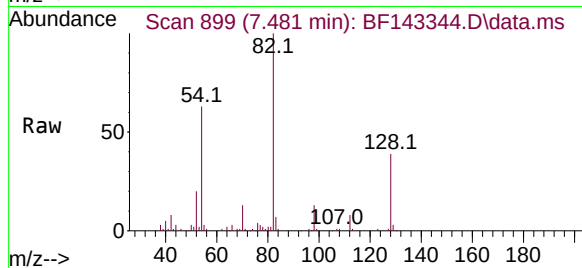




#23
Nitrobenzene-d5
Concen: 8.634 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

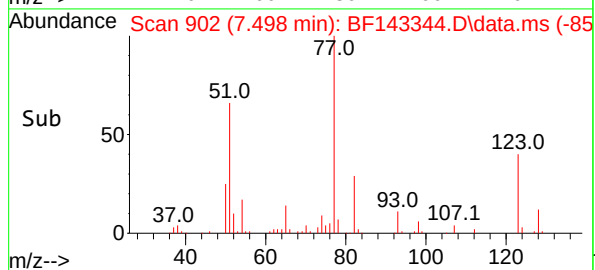
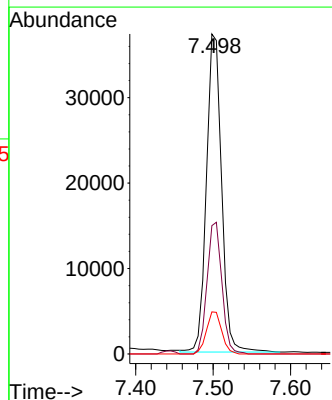
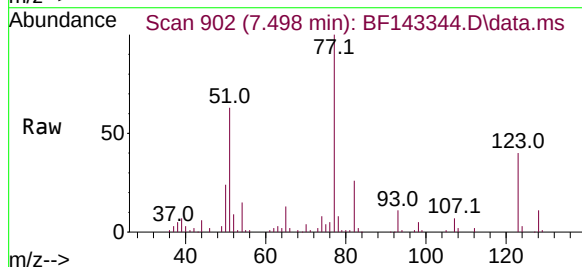
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

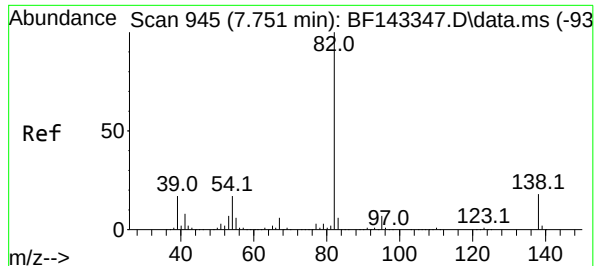
Tgt Ion: 82 Resp: 87105
Ion Ratio Lower Upper
82 100
128 38.7 33.5 50.3
54 62.7 46.7 70.1



#24
Nitrobenzene
Concen: 4.621 ng
RT: 7.498 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 77 Resp: 50634
Ion Ratio Lower Upper
77 100
123 40.1 34.8 52.2
65 13.2 11.0 16.6





#25

Isophorone

Concen: 5.276 ng

RT: 7.739 min Scan# 94

Delta R.T. -0.012 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

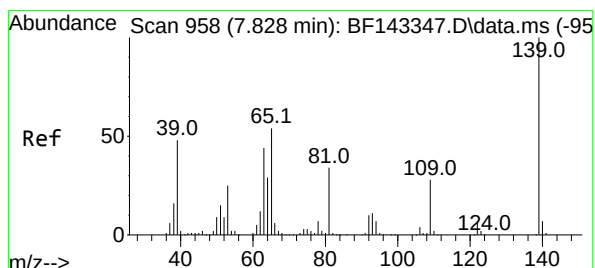
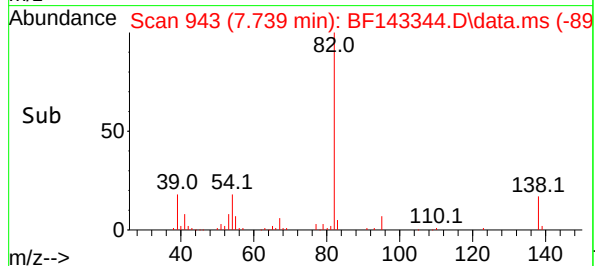
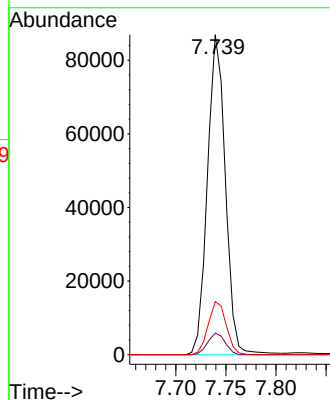
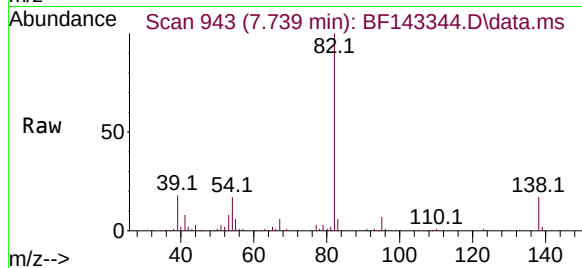
Tgt Ion: 82 Resp: 108673

Ion Ratio Lower Upper

82 100

95 6.8 5.5 8.3

138 16.6 14.6 21.8



#26

2-Nitrophenol

Concen: 5.918 ng

RT: 7.822 min Scan# 957

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

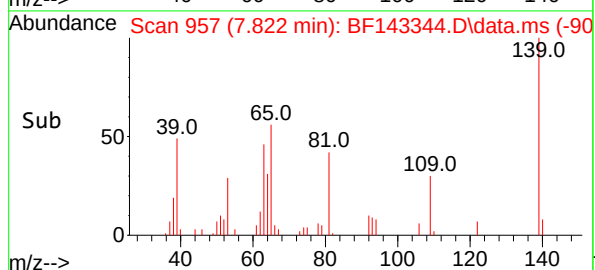
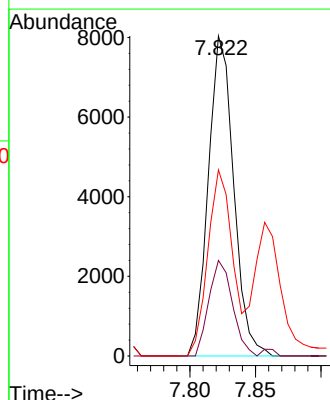
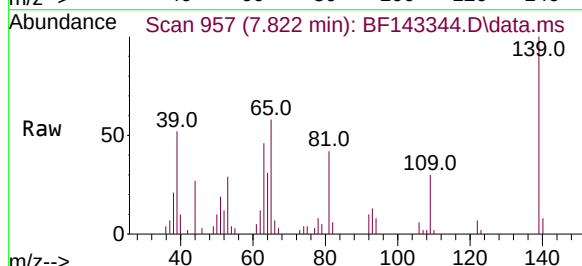
Tgt Ion: 139 Resp: 10813

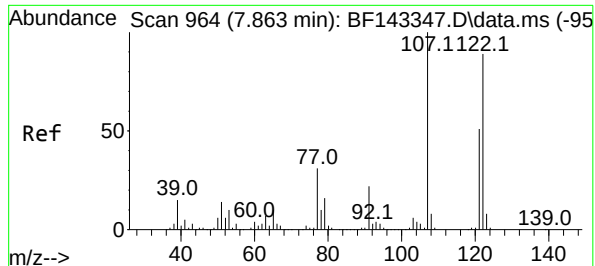
Ion Ratio Lower Upper

139 100

109 29.8 22.4 33.6

65 58.2 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 4.743 ng

RT: 7.857 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

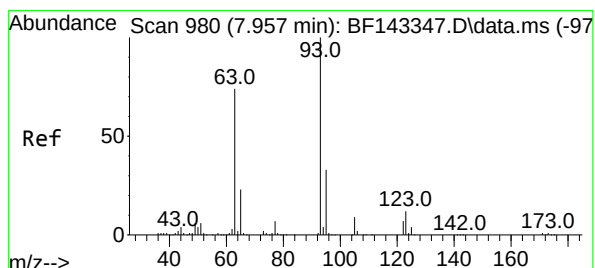
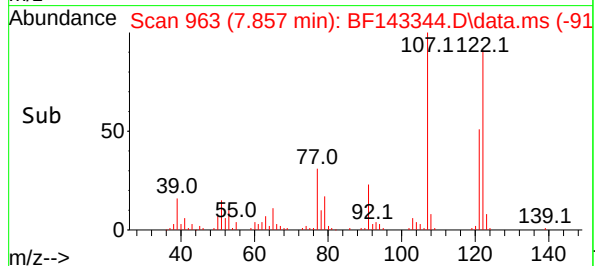
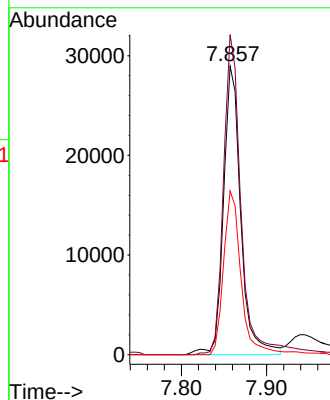
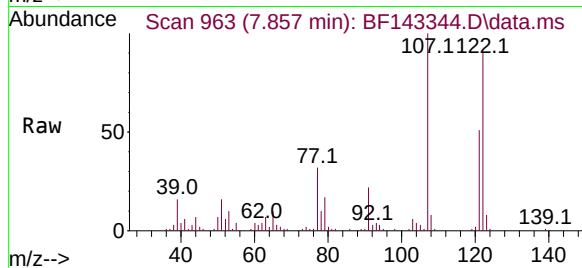
Tgt Ion:122 Resp: 40753

Ion Ratio Lower Upper

122 100

107 110.9 89.9 134.9

121 56.7 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 5.296 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

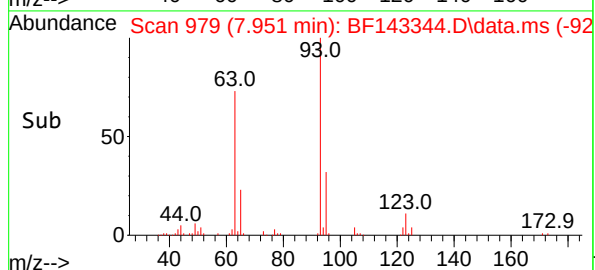
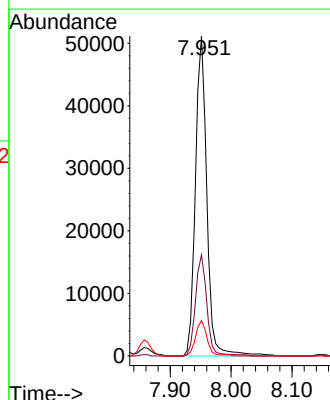
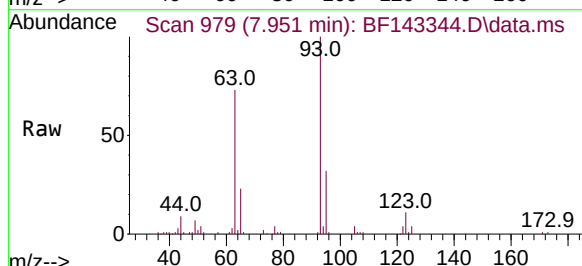
Tgt Ion: 93 Resp: 66594

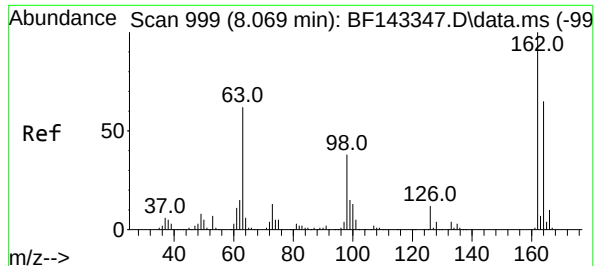
Ion Ratio Lower Upper

93 100

95 31.6 26.2 39.4

123 11.1 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 4.544 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

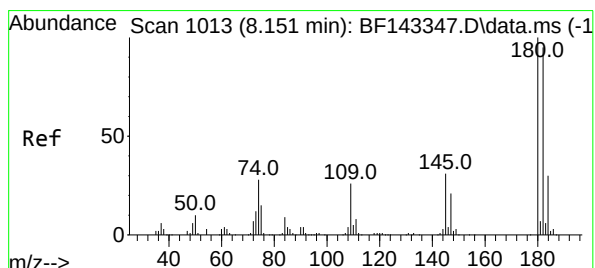
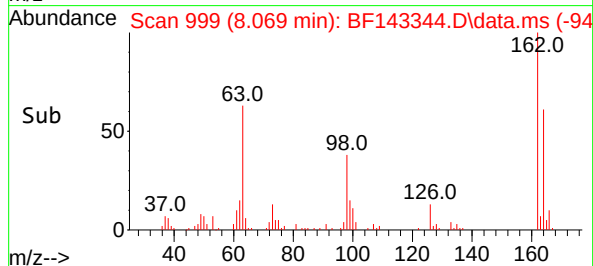
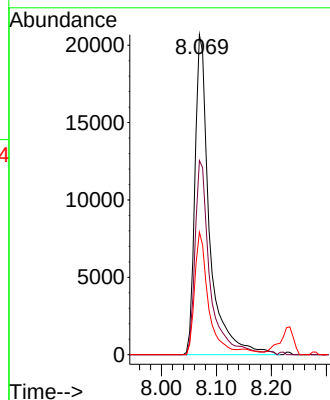
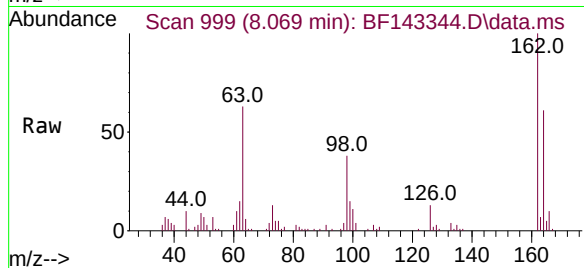
Tgt Ion:162 Resp: 38135

Ion Ratio Lower Upper

162 100

164 60.6 44.5 84.5

98 38.3 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 5.303 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

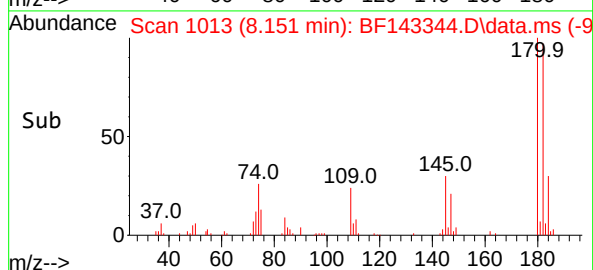
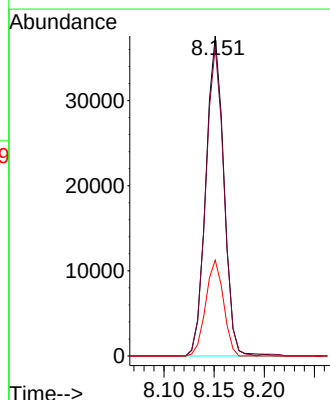
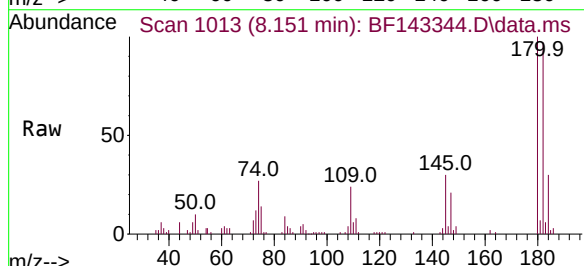
Tgt Ion:180 Resp: 46949

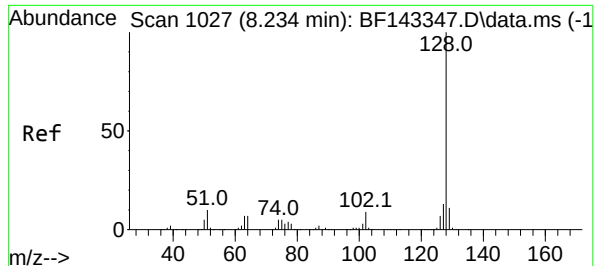
Ion Ratio Lower Upper

180 100

182 96.7 76.1 114.1

145 30.0 24.9 37.3





#31

Naphthalene

Concen: 5.625 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

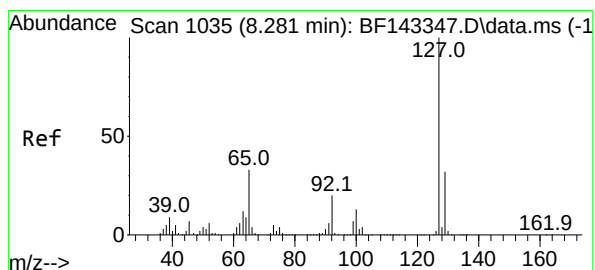
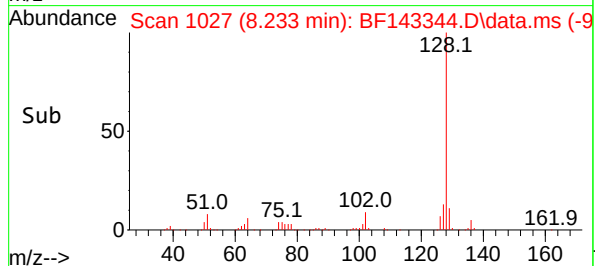
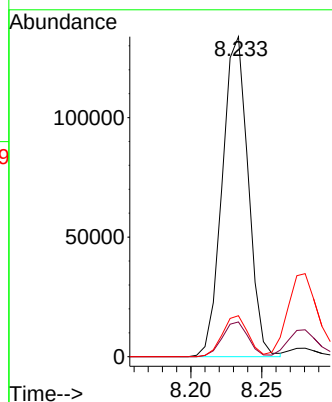
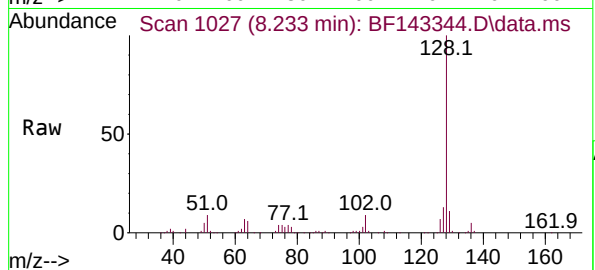
Tgt Ion:128 Resp: 170051

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

127 12.8 10.7 16.1



#33

4-Chloroaniline

Concen: 5.217 ng

RT: 8.281 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Tgt Ion:127 Resp: 56886

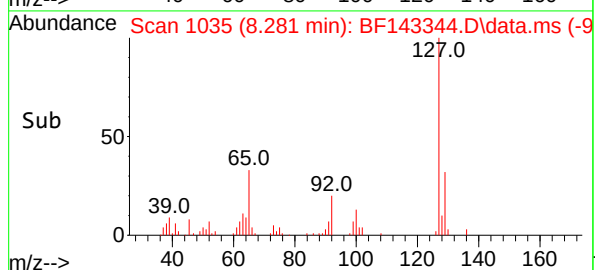
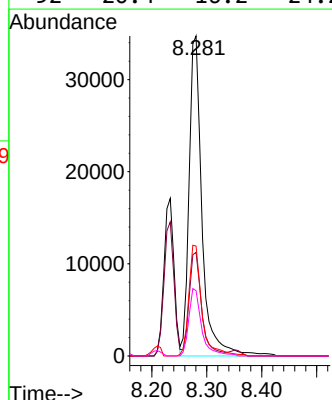
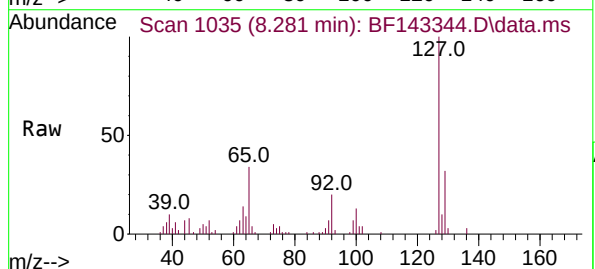
Ion Ratio Lower Upper

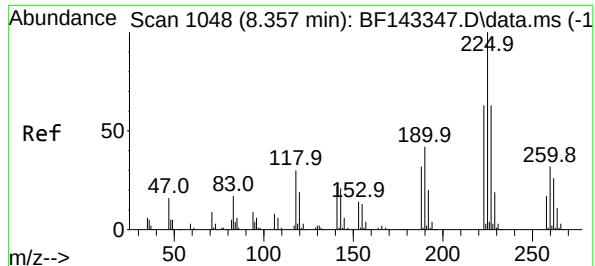
127 100

129 32.4 26.0 39.0

65 34.4 27.0 40.4

92 20.4 16.2 24.2





#34

Hexachlorobutadiene

Concen: 5.288 ng

RT: 8.351 min Scan# 1048

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

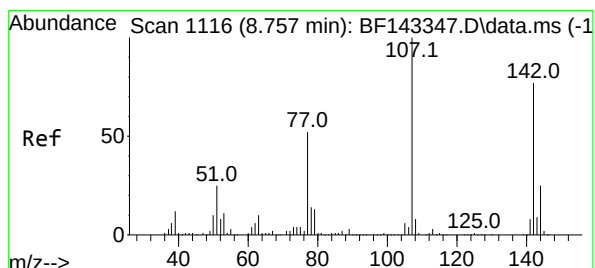
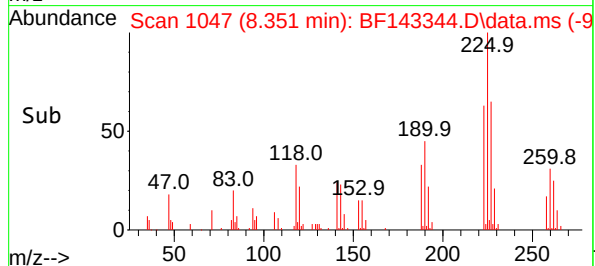
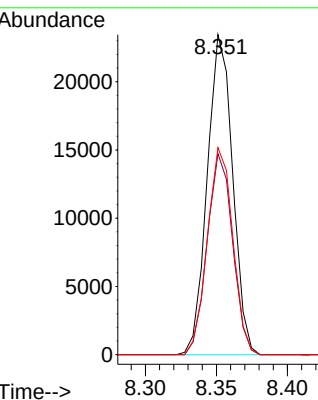
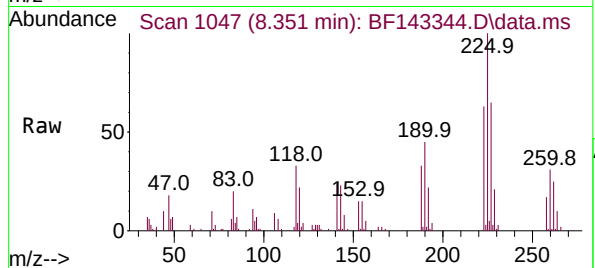
Tgt Ion:225 Resp: 29122

Ion Ratio Lower Upper

225 100

223 62.8 50.1 75.1

227 64.7 50.6 75.8



#36

4-Chloro-3-methylphenol

Concen: 4.817 ng

RT: 8.757 min Scan# 1116

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

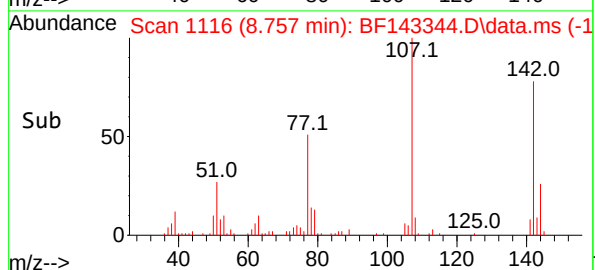
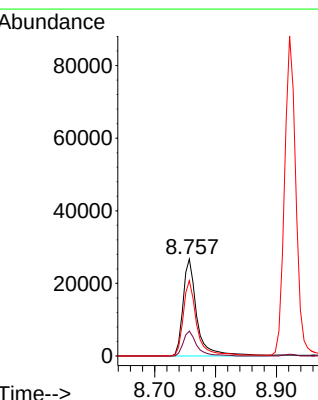
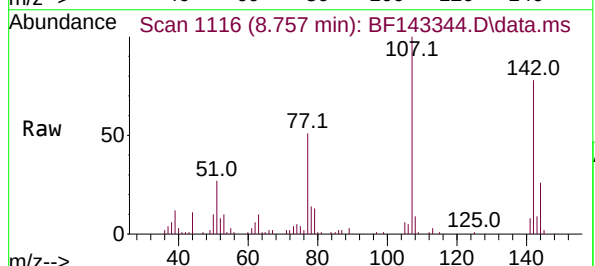
Tgt Ion:107 Resp: 42384

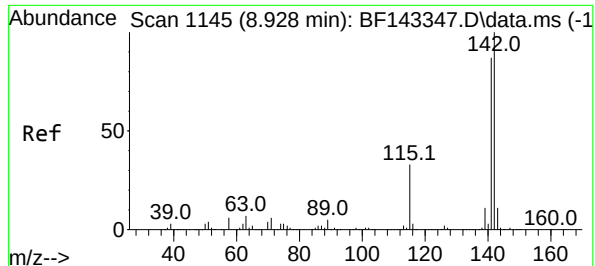
Ion Ratio Lower Upper

107 100

144 25.6 20.0 30.0

142 77.7 61.3 91.9





#37

2-Methylnaphthalene

Concen: 5.692 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

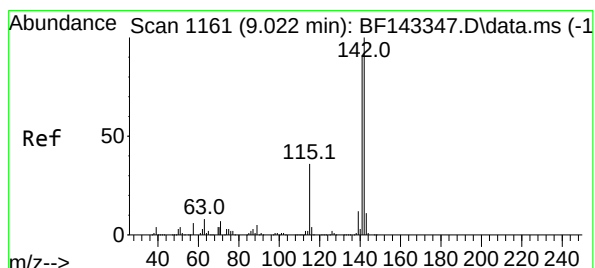
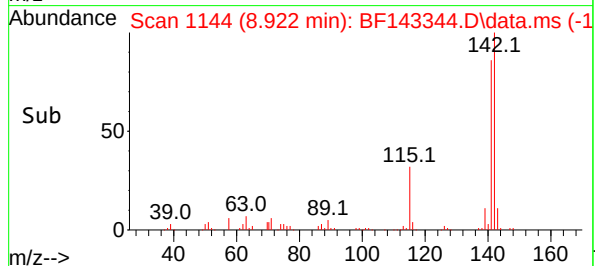
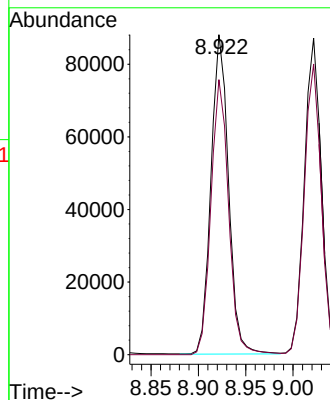
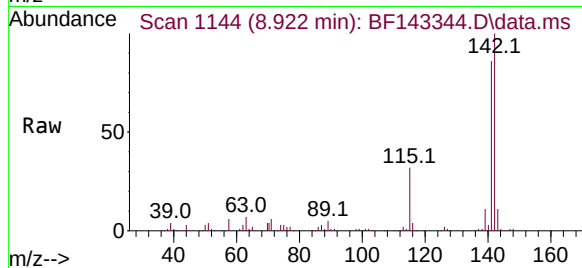
SSTDICC005

Tgt Ion:142 Resp: 113134

Ion Ratio Lower Upper

142 100

141 86.0 69.8 104.8



#38

1-Methylnaphthalene

Concen: 5.661 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF143344.D

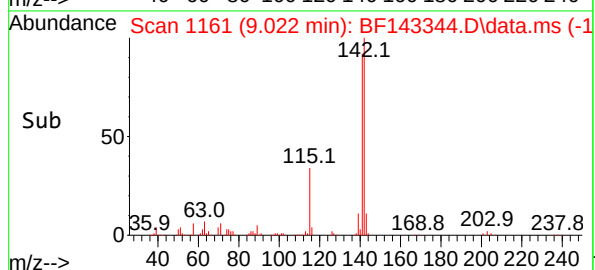
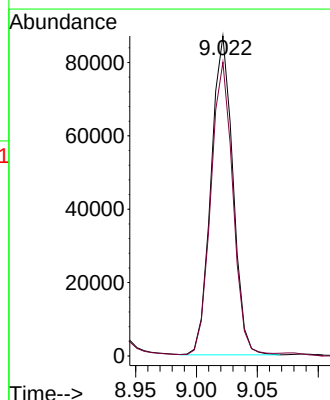
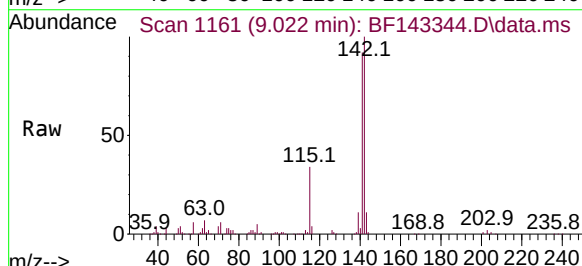
Acq: 12 Aug 2025 09:34

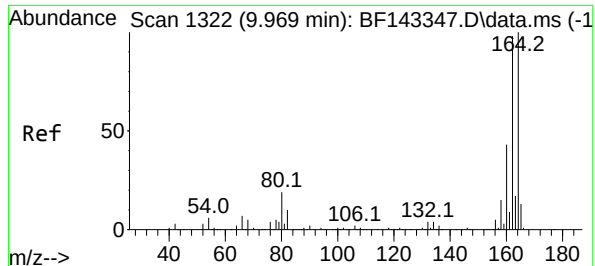
Tgt Ion:142 Resp: 108359

Ion Ratio Lower Upper

142 100

141 91.8 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

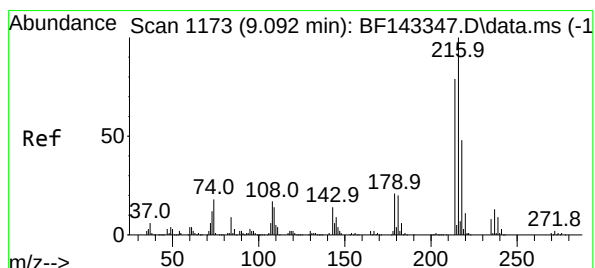
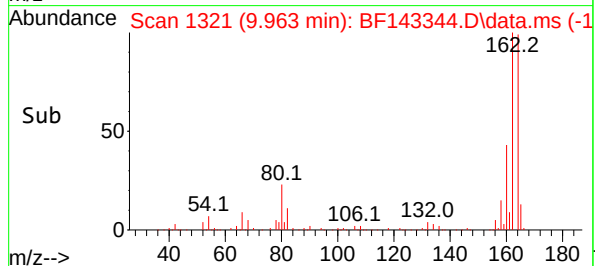
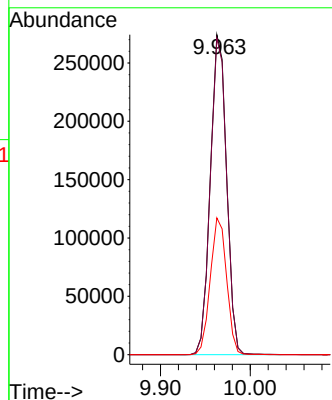
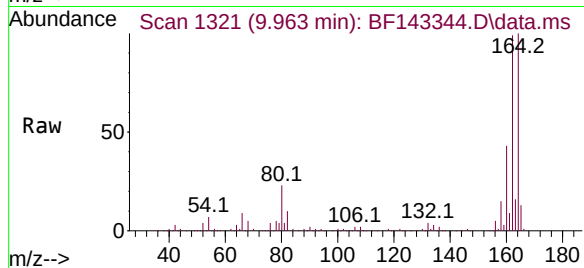
Tgt Ion:164 Resp: 344999

Ion Ratio Lower Upper

164 100

162 98.9 78.6 118.0

160 42.7 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.373 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Tgt Ion:216 Resp: 50724

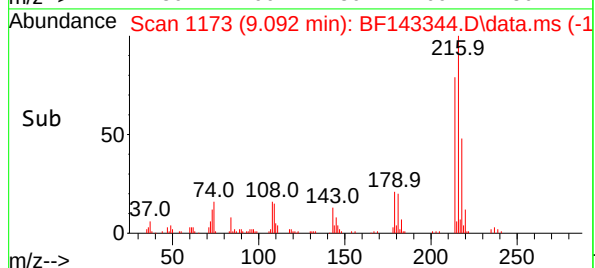
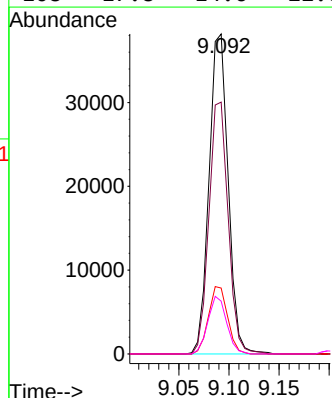
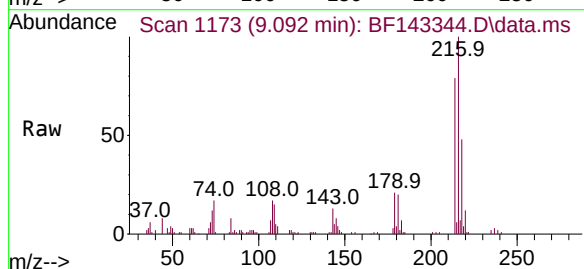
Ion Ratio Lower Upper

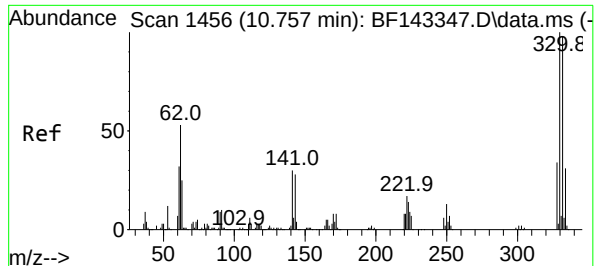
216 100

214 79.1 63.0 94.4

179 21.0 17.0 25.4

108 17.8 14.6 22.0





#42

2,4,6-Tribromophenol

Concen: 7.182 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143344.D

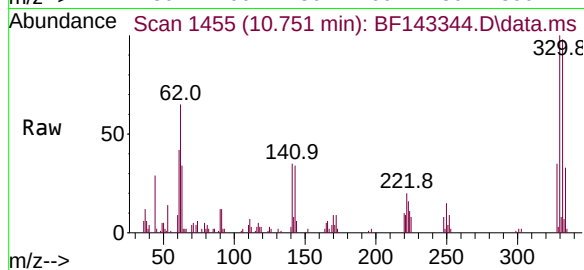
Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005



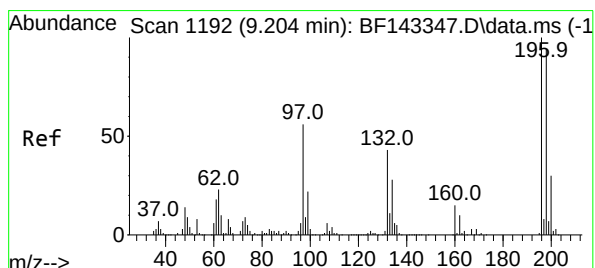
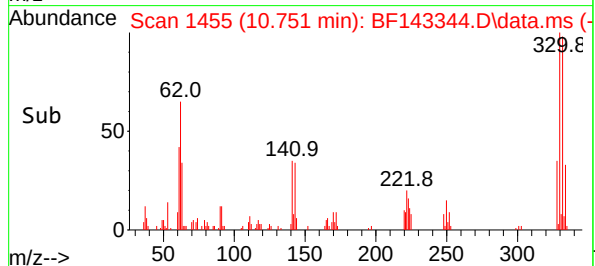
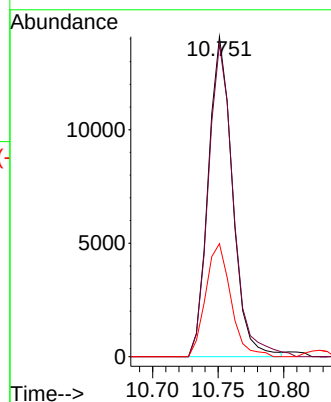
Tgt Ion:330 Resp: 18107

Ion Ratio Lower Upper

330 100

332 100.5 78.1 117.1

141 36.6 25.4 38.0



#43

2,4,6-Trichlorophenol

Concen: 3.890 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

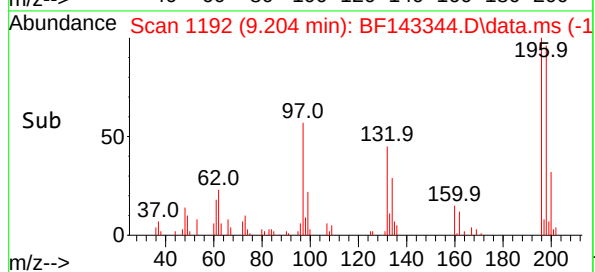
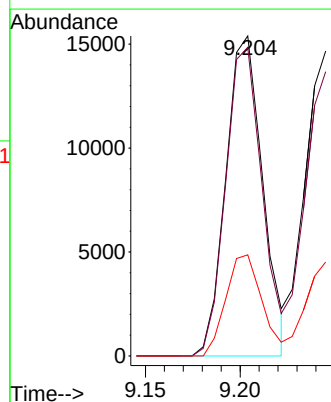
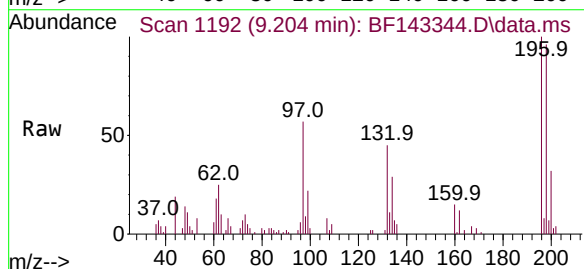
Tgt Ion:196 Resp: 20838

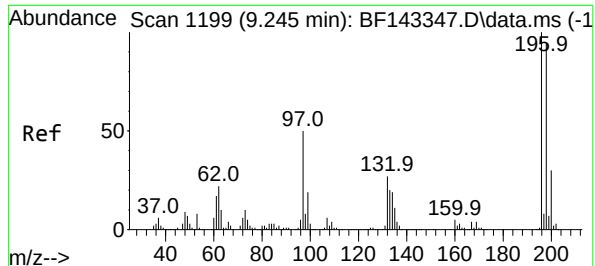
Ion Ratio Lower Upper

196 100

198 96.5 75.4 113.0

200 31.6 24.3 36.5





#44

2,4,5-Trichlorophenol

Concen: 4.384 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF143344.D

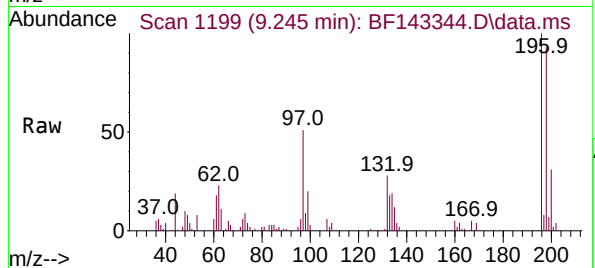
Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:196 Resp: 26517

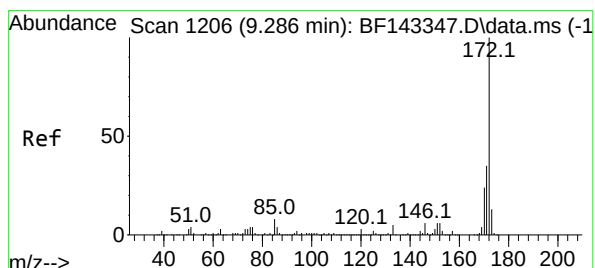
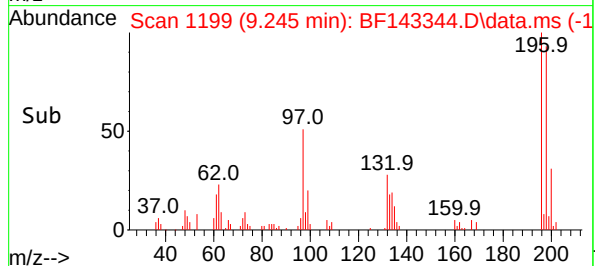
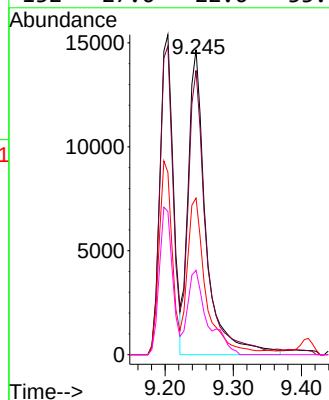
Ion Ratio Lower Upper

196 100

198 93.2 75.4 113.2

97 51.3 39.9 59.9

132 27.6 22.6 33.8



#45

2-Fluorobiphenyl

Concen: 12.244 ng

RT: 9.280 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

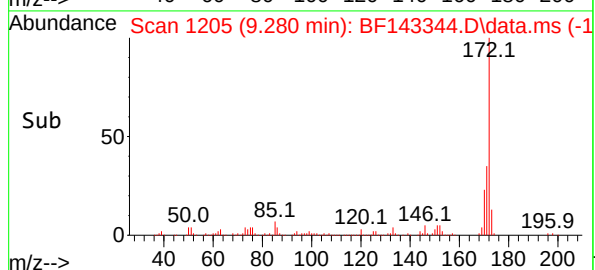
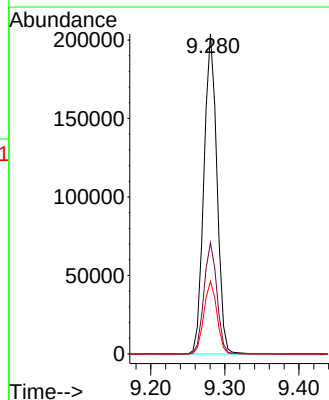
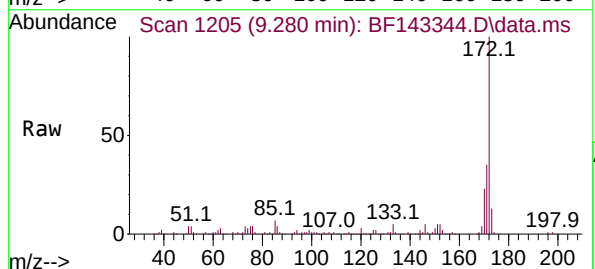
Tgt Ion:172 Resp: 249109

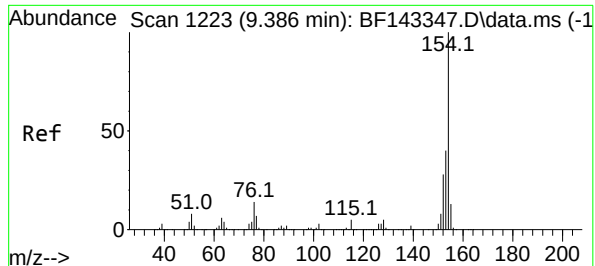
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 22.8 19.1 28.7





#46

1,1'-Biphenyl

Concen: 5.703 ng

RT: 9.380 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

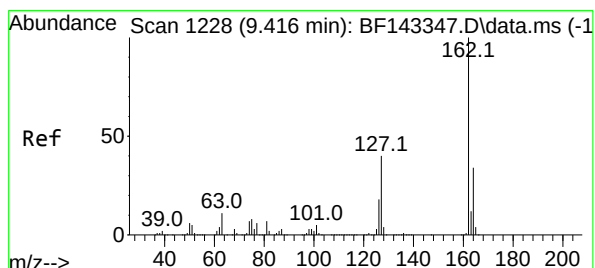
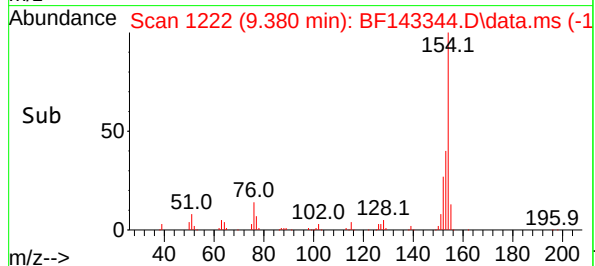
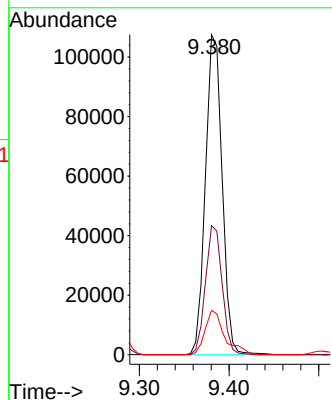
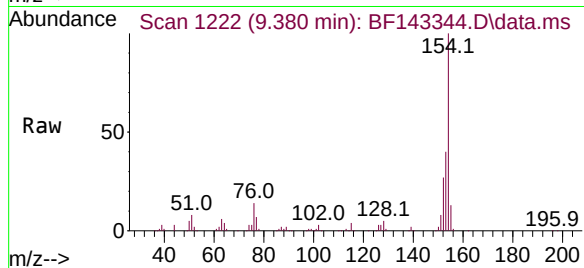
Tgt Ion:154 Resp: 139115

Ion Ratio Lower Upper

154 100

153 40.3 20.2 60.2

76 13.9 0.0 34.4



#47

2-Chloronaphthalene

Concen: 5.459 ng

RT: 9.410 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

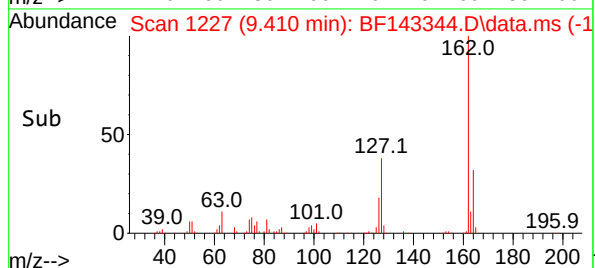
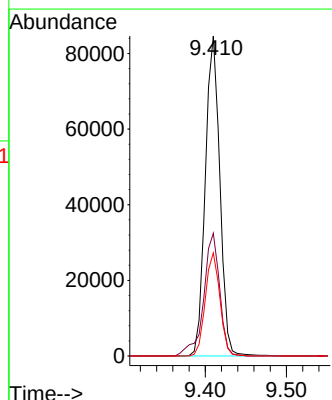
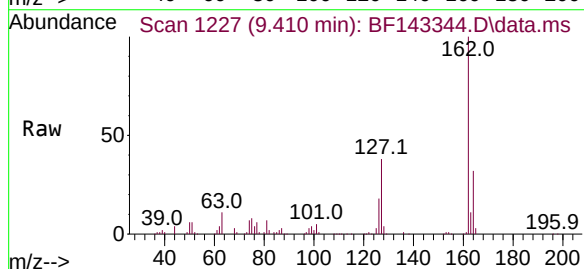
Tgt Ion:162 Resp: 104874

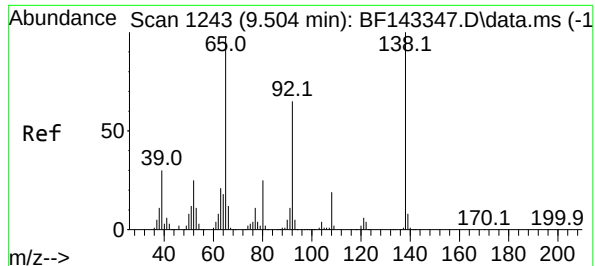
Ion Ratio Lower Upper

162 100

127 38.3 32.1 48.1

164 32.2 27.0 40.4





#48

2-Nitroaniline

Concen: 5.521 ng

RT: 9.498 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

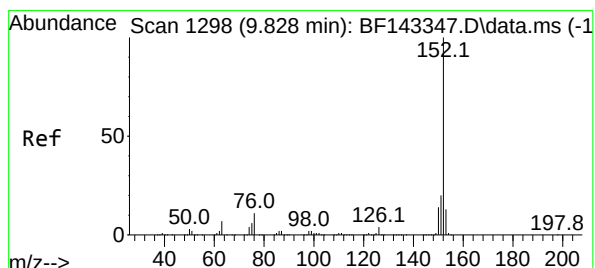
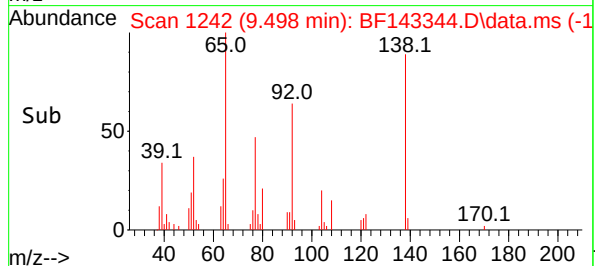
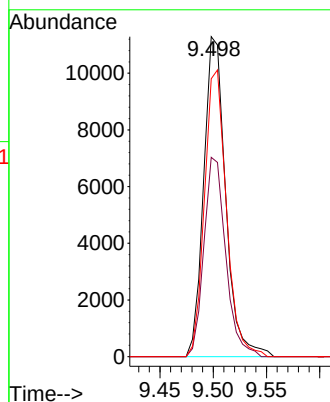
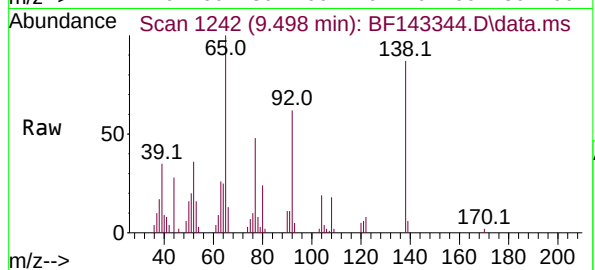
Tgt Ion: 65 Resp: 16200

Ion Ratio Lower Upper

65 100

92 62.3 53.1 79.7

138 86.9 81.4 122.0



#49

Acenaphthylene

Concen: 5.467 ng

RT: 9.822 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

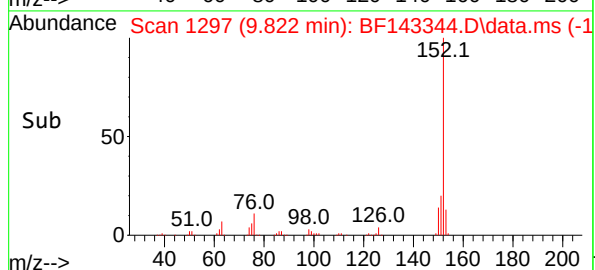
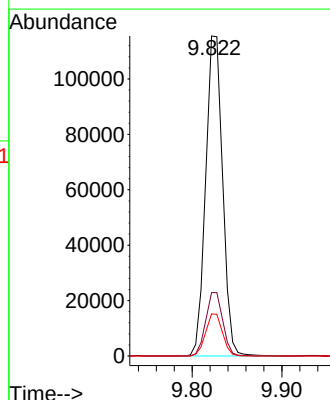
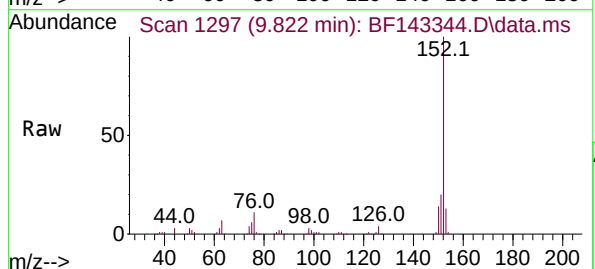
Tgt Ion: 152 Resp: 151682

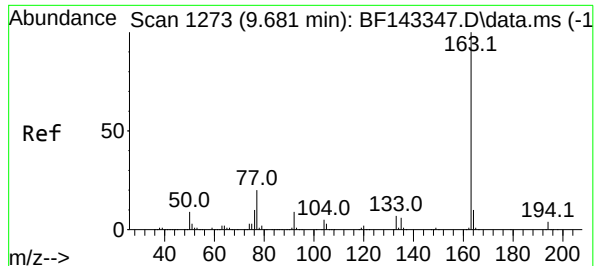
Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.2

153 13.1 10.6 16.0





#50

Dimethylphthalate

Concen: 4.962 ng

RT: 9.675 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

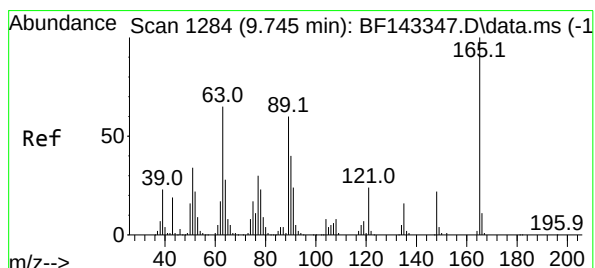
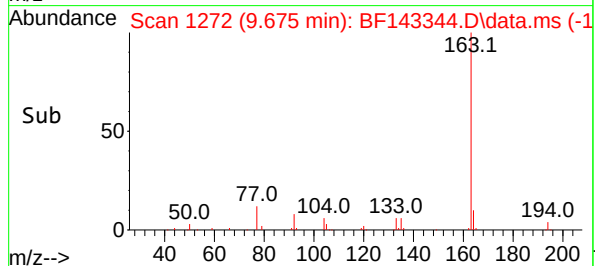
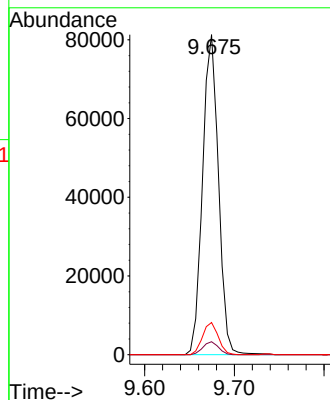
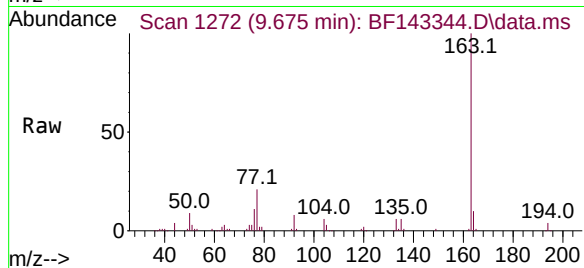
Tgt Ion:163 Resp: 100034

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.0 8.2 12.2



#51

2,6-Dinitrotoluene

Concen: 5.607 ng

RT: 9.739 min Scan# 1283

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

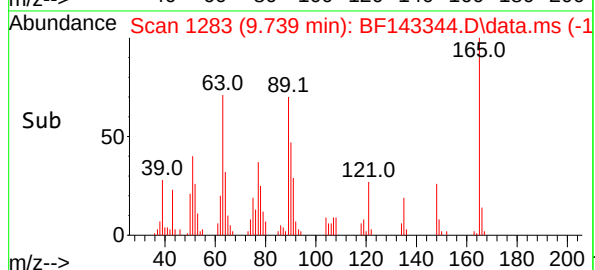
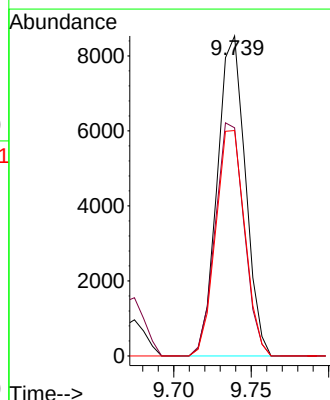
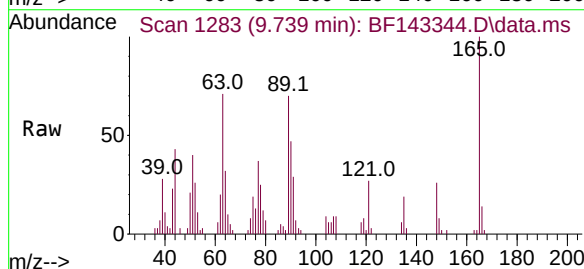
Tgt Ion:165 Resp: 10751

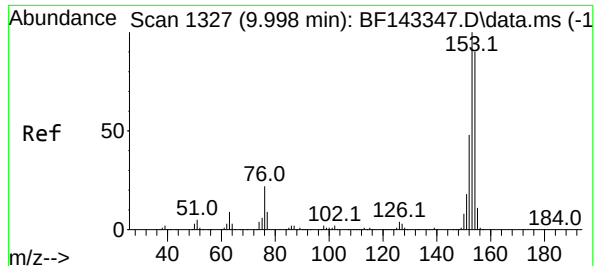
Ion Ratio Lower Upper

165 100

63 71.3 51.6 77.4

89 70.4 47.7 71.5





#52

Acenaphthene

Concen: 5.651 ng

RT: 9.998 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

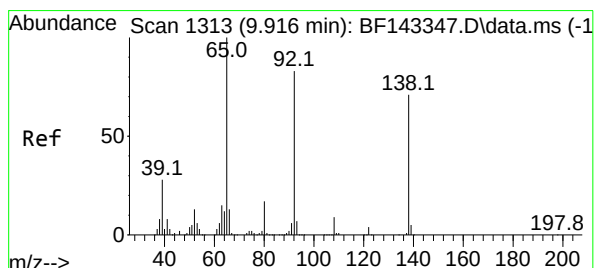
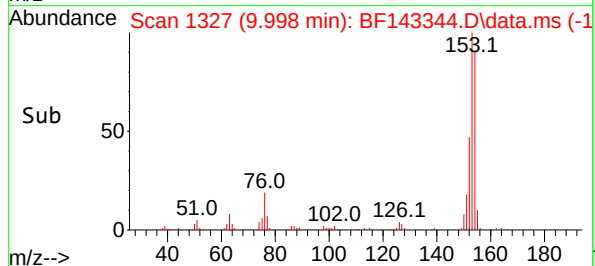
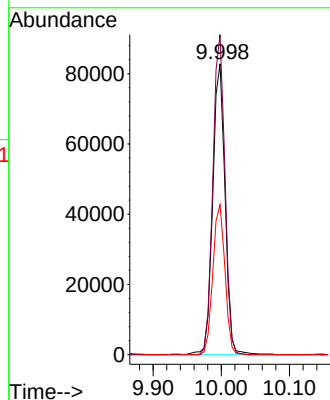
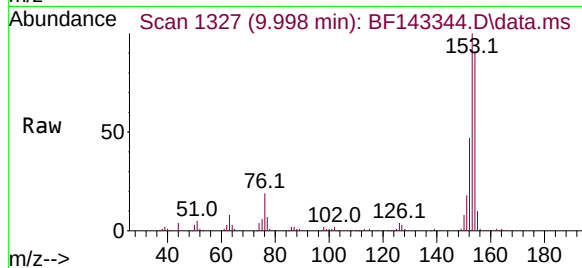
Tgt Ion:154 Resp: 104223

Ion Ratio Lower Upper

154 100

153 110.0 88.5 132.7

152 51.6 42.4 63.6



#53

3-Nitroaniline

Concen: 3.319 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

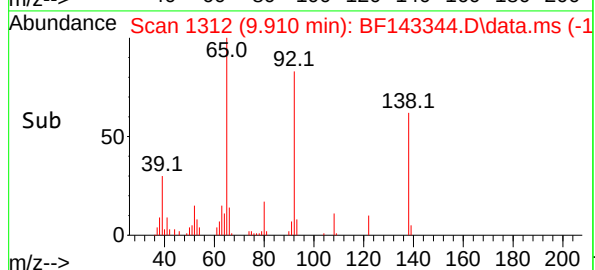
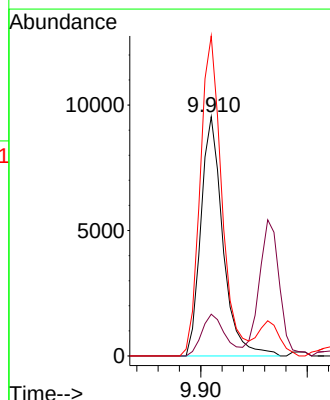
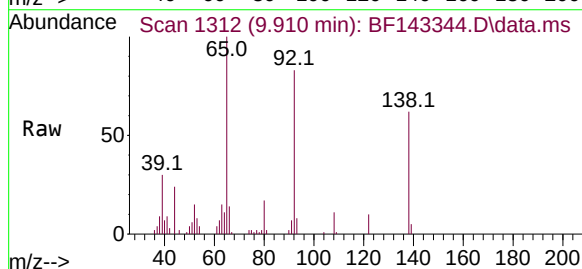
Tgt Ion:138 Resp: 13704

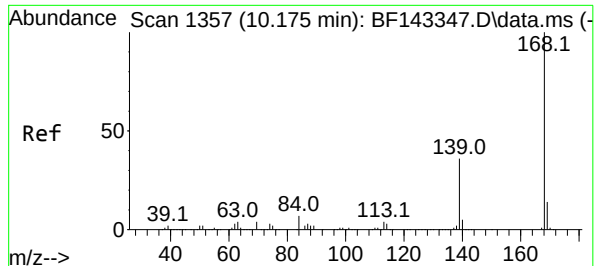
Ion Ratio Lower Upper

138 100

108 17.5 9.6 14.4#

92 133.8 93.4 140.2





#55

Dibenzenofuran

Concen: 5.708 ng

RT: 10.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

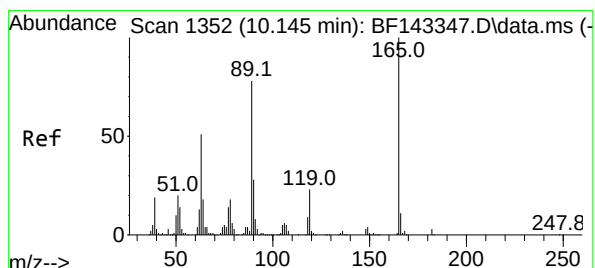
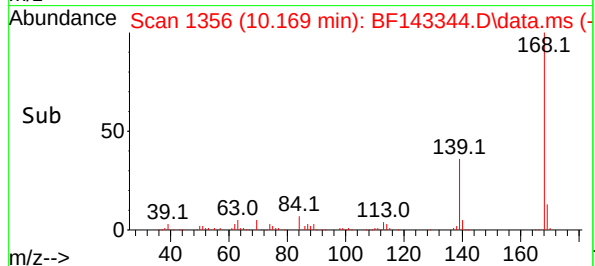
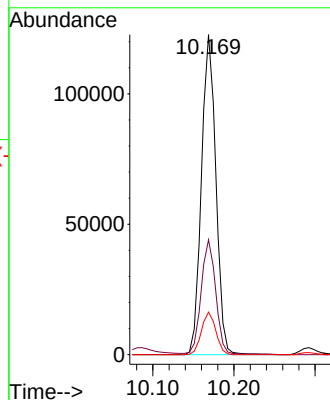
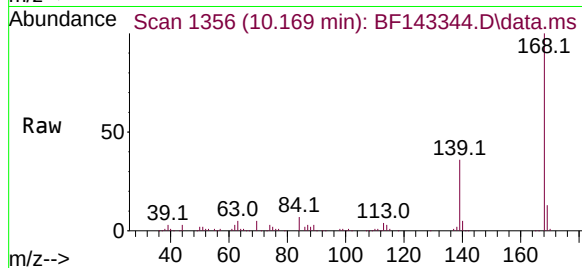
Tgt Ion:168 Resp: 151524

Ion Ratio Lower Upper

168 100

139 35.9 29.4 44.0

169 13.3 11.0 16.6



#57

2,4-Dinitrotoluene

Concen: 5.473 ng

RT: 10.139 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Tgt Ion:165 Resp: 13285

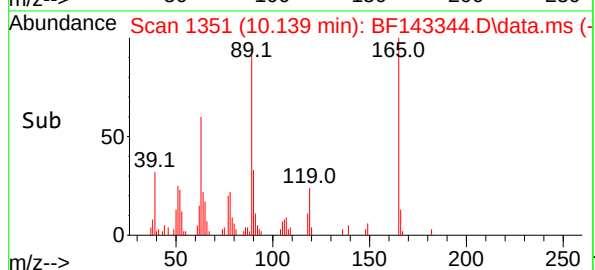
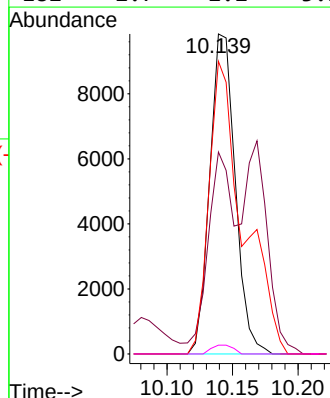
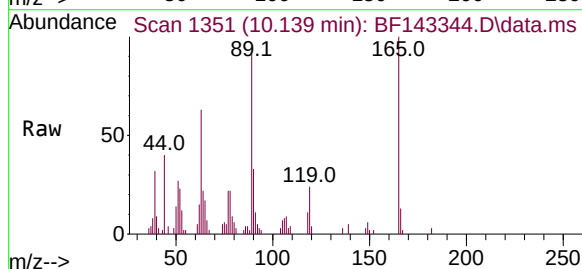
Ion Ratio Lower Upper

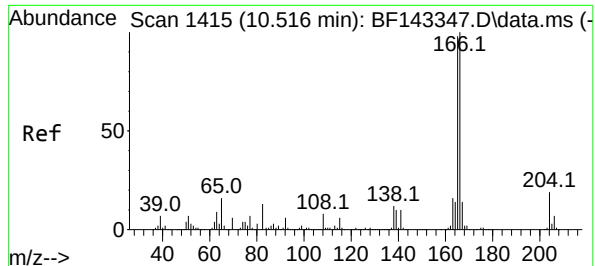
165 100

63 63.1 41.8 62.8#

89 91.5 62.4 93.6

182 2.7 2.2 3.2

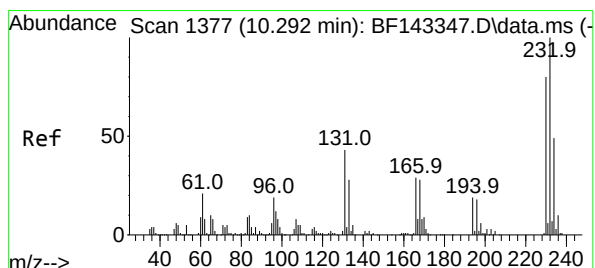
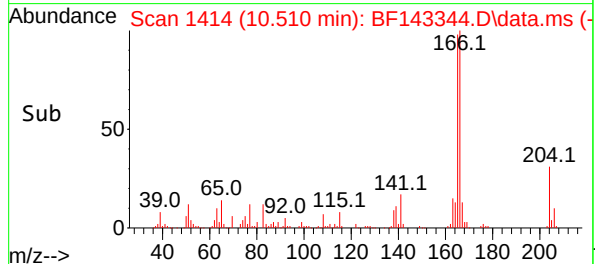
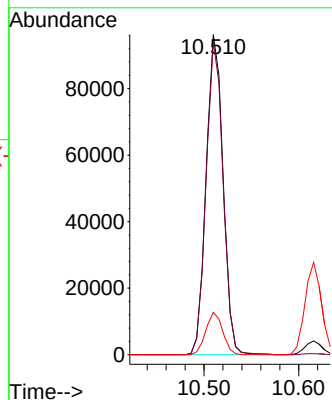
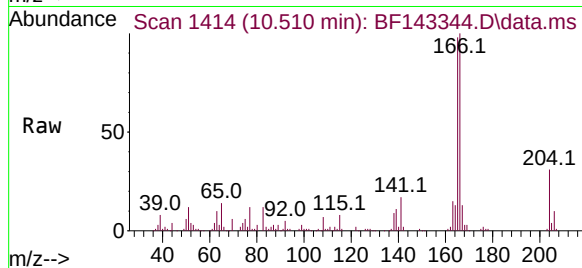




#58
Fluorene
Concen: 5.875 ng
RT: 10.510 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

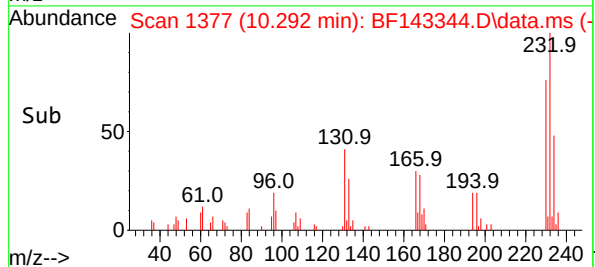
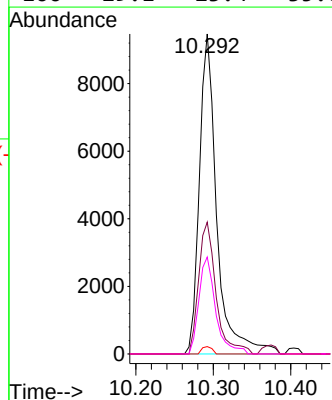
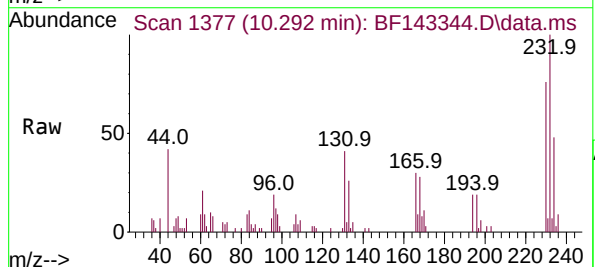
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

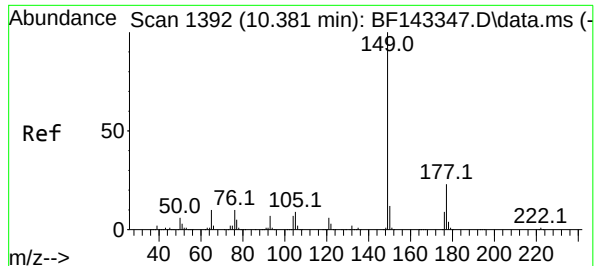
Tgt Ion:166 Resp: 119124
Ion Ratio Lower Upper
166 100
165 97.6 78.2 117.4
167 13.2 10.9 16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 3.628 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:232 Resp: 14793
Ion Ratio Lower Upper
232 100
131 41.2 34.6 51.8
130 1.3 1.7 2.5#
166 29.1 23.4 35.0





#60

Diethylphthalate

Concen: 4.831 ng

RT: 10.375 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

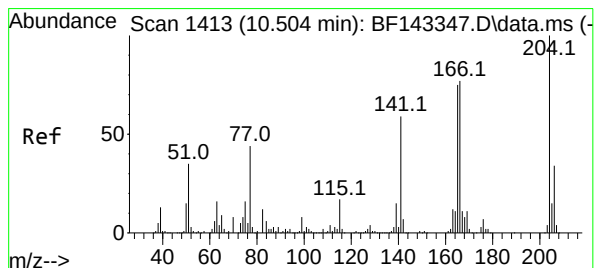
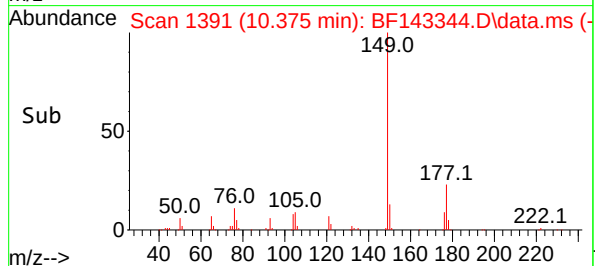
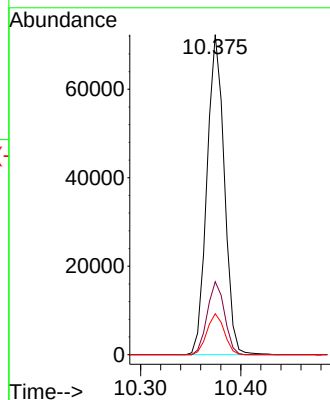
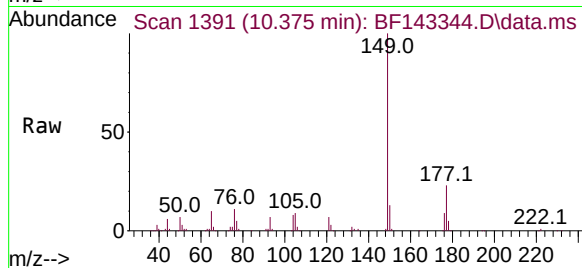
Tgt Ion:149 Resp: 87234

Ion Ratio Lower Upper

149 100

177 22.8 18.2 27.2

150 12.8 9.9 14.9



#61

4-Chlorophenyl-phenylether

Concen: 5.677 ng

RT: 10.504 min Scan# 1413

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

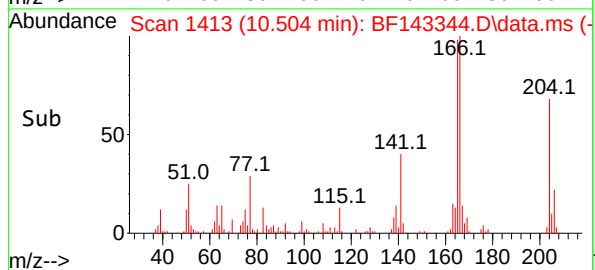
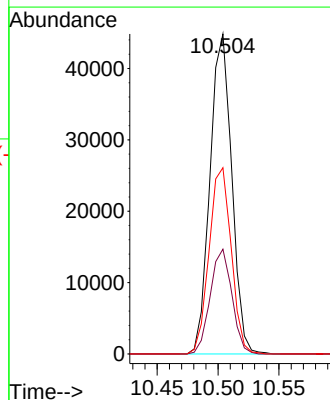
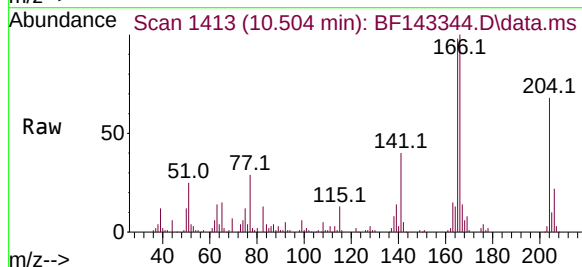
Tgt Ion:204 Resp: 55620

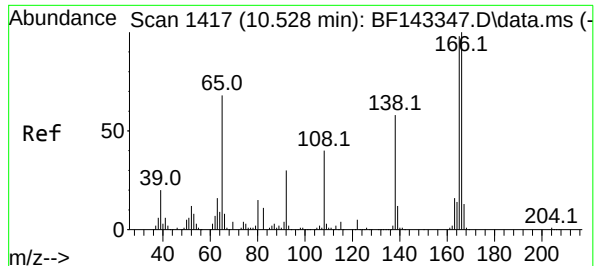
Ion Ratio Lower Upper

204 100

206 32.7 27.4 41.2

141 58.2 46.9 70.3





#62

4-Nitroaniline

Concen: 3.762 ng

RT: 10.516 min Scan# 1415

Delta R.T. -0.012 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

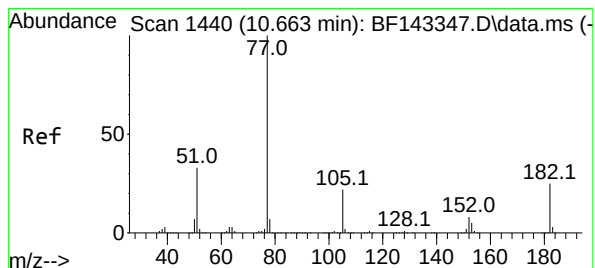
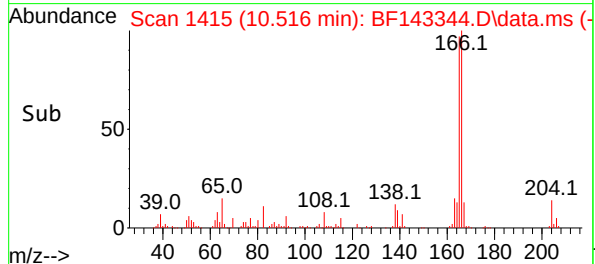
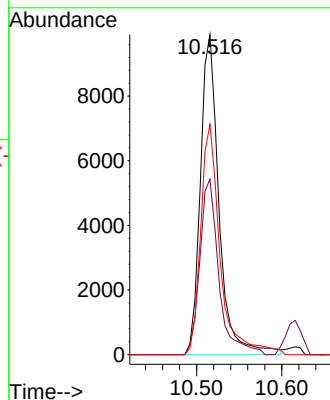
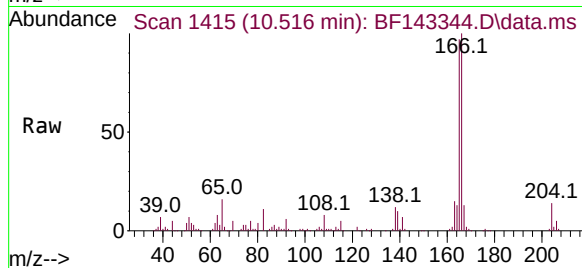
Tgt Ion:138 Resp: 15026

Ion Ratio Lower Upper

138 100

92 54.9 31.2 71.2

108 72.0 48.1 88.1



#63

Azobenzene

Concen: 5.445 ng

RT: 10.663 min Scan# 1440

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Tgt Ion: 77 Resp: 112299

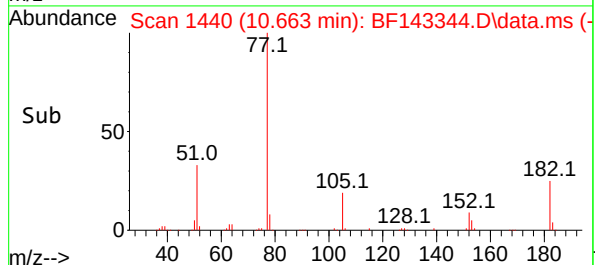
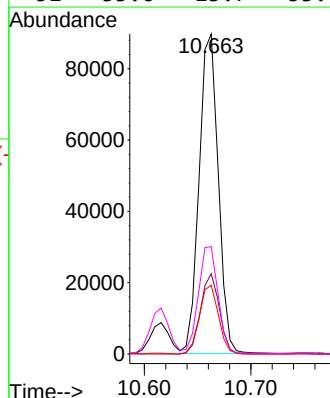
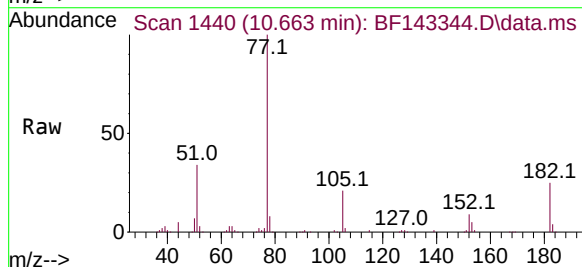
Ion Ratio Lower Upper

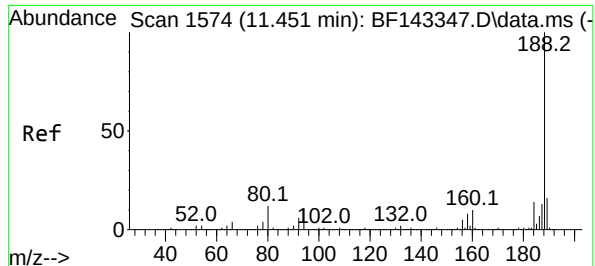
77 100

182 25.1 4.4 44.4

105 21.4 1.8 41.8

51 33.6 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

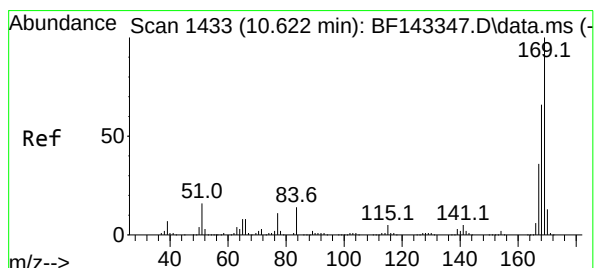
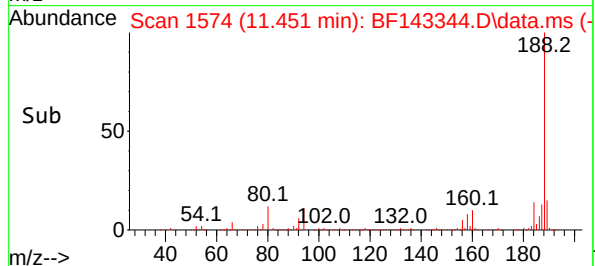
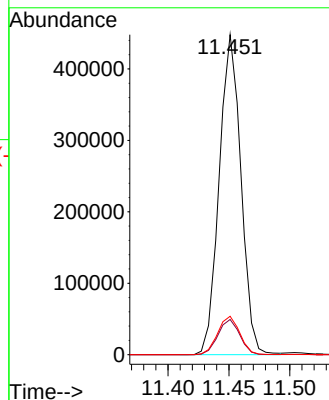
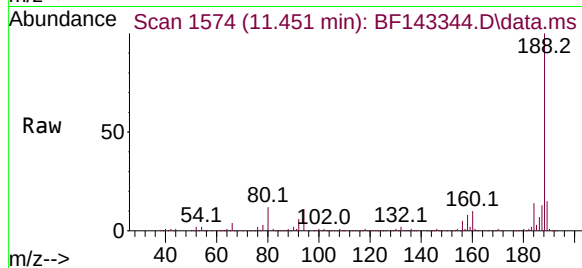
Tgt Ion:188 Resp: 557349

Ion Ratio Lower Upper

188 100

94 11.0 8.8 13.2

80 12.0 9.7 14.5



#66

n-Nitrosodiphenylamine

Concen: 5.263 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

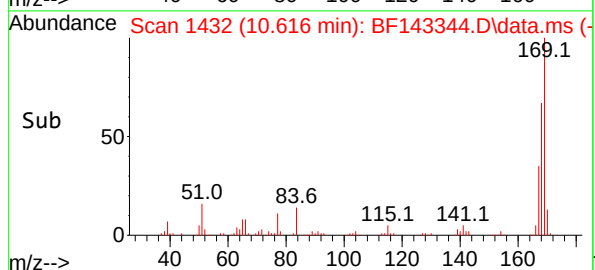
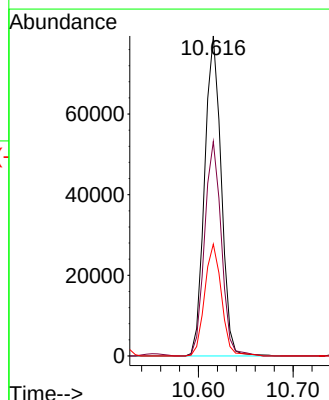
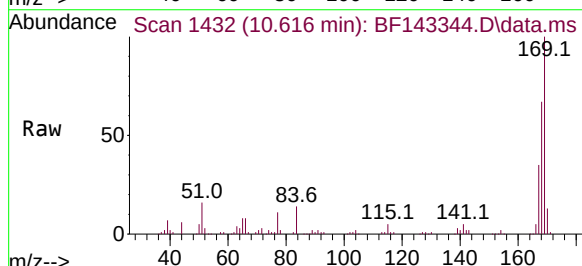
Tgt Ion:169 Resp: 96579

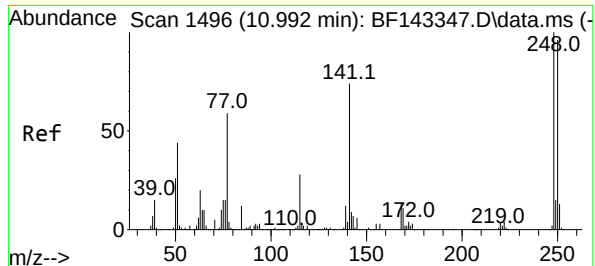
Ion Ratio Lower Upper

169 100

168 67.0 52.7 79.1

167 35.0 28.6 42.8

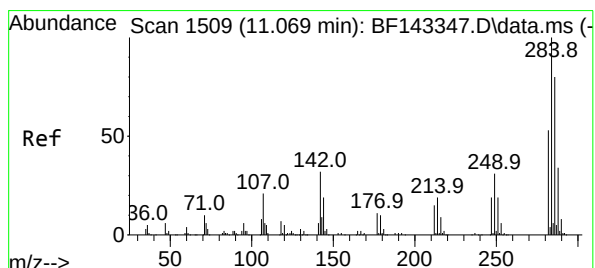
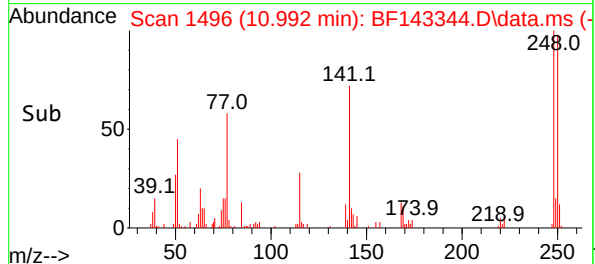
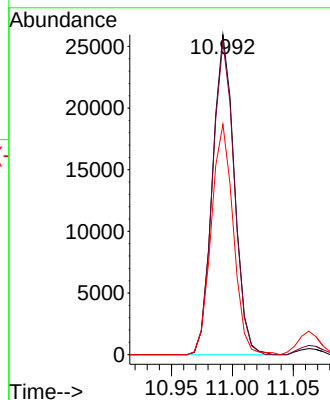
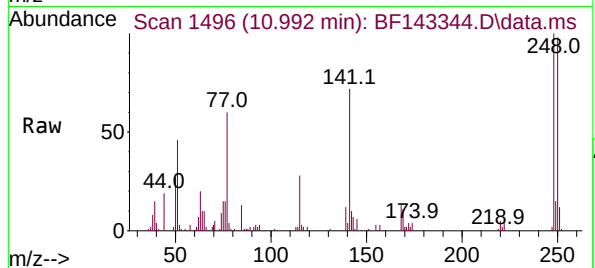




#67
4-Bromophenyl-phenylether
Concen: 5.063 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

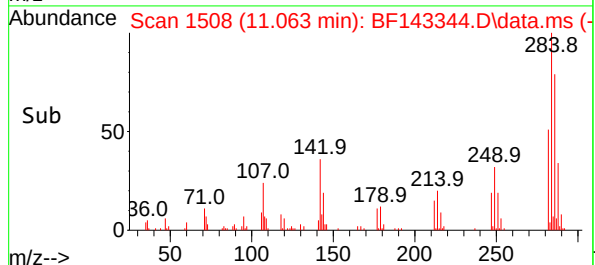
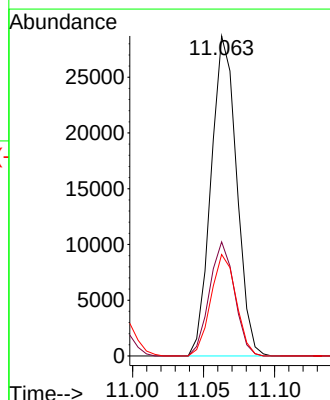
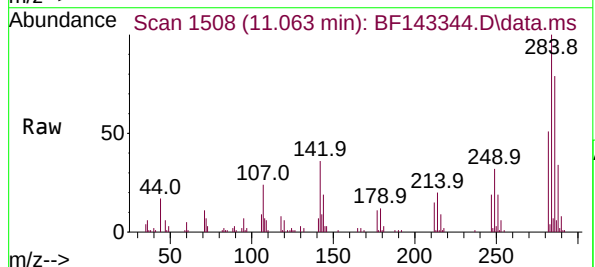
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

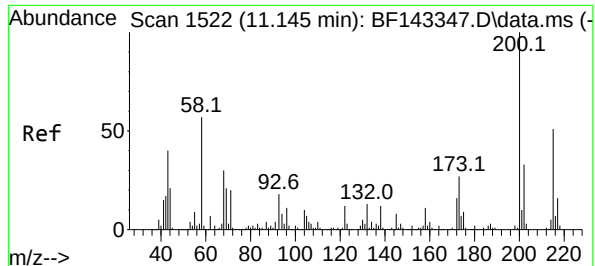
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.1	115.7
141	72.0	59.1	88.7



#68
Hexachlorobenzene
Concen: 5.227 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.6	25.7	38.5
249	31.7	24.6	37.0





#69

Atrazine

Concen: 4.274 ng

RT: 11.139 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

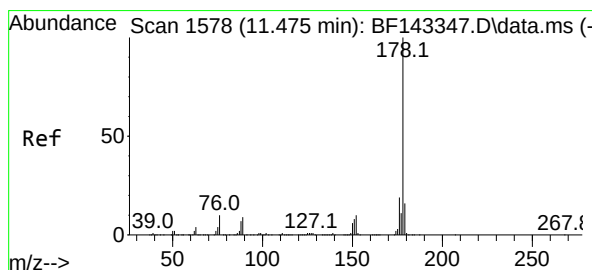
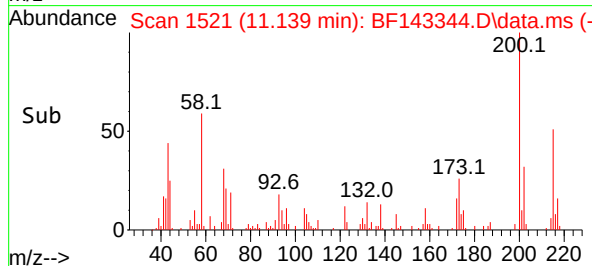
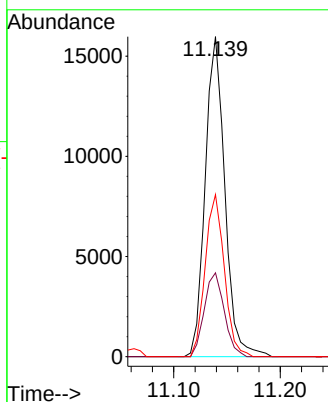
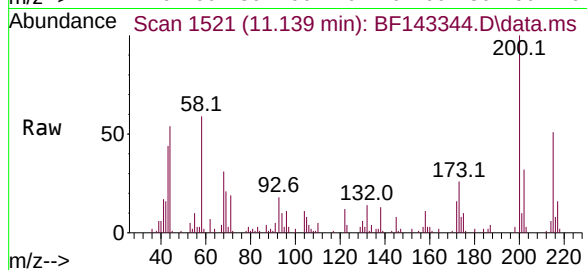
Tgt Ion:200 Resp: 20457

Ion Ratio Lower Upper

200 100

173 26.2 6.6 46.6

215 50.7 30.6 70.6



#71

Phenanthrene

Concen: 5.563 ng

RT: 11.474 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

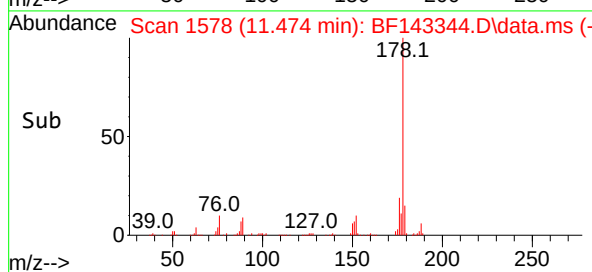
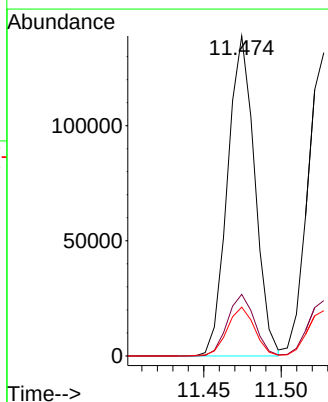
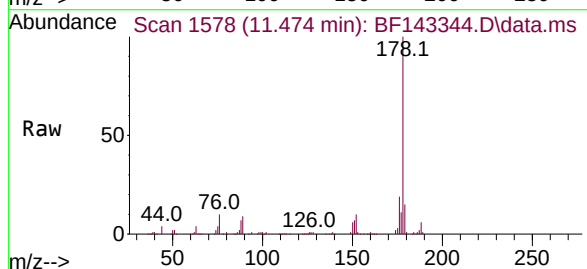
Tgt Ion:178 Resp: 169159

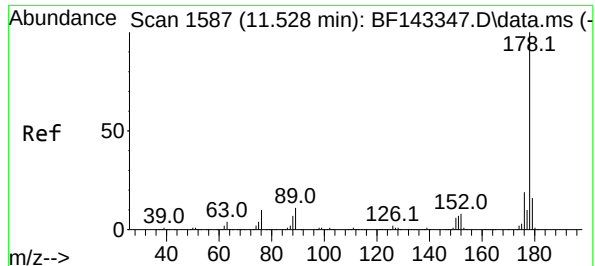
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.2 12.5 18.7

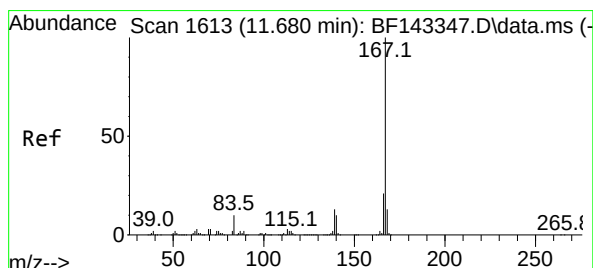
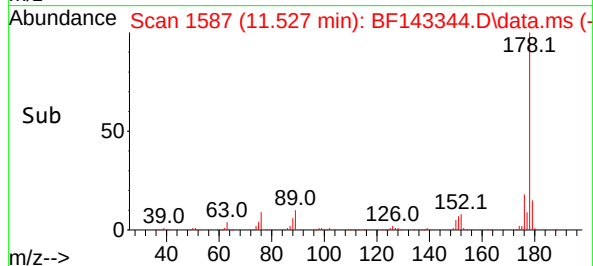
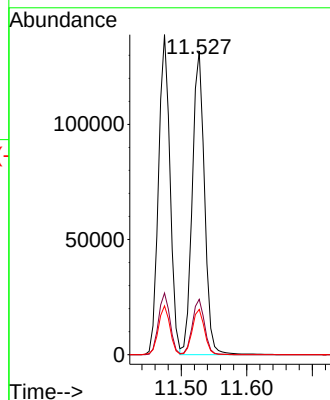
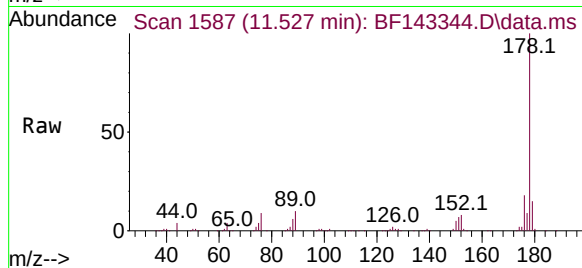




#72
Anthracene
Concen: 5.535 ng
RT: 11.527 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

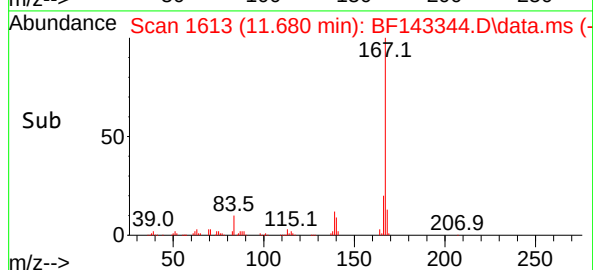
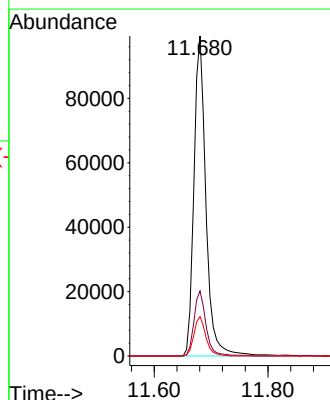
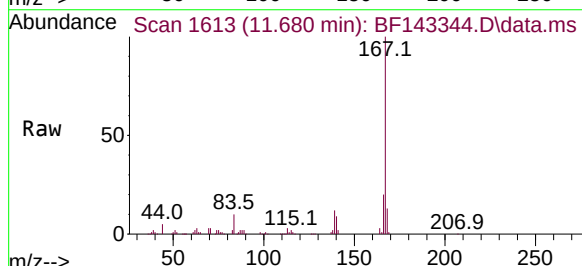
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

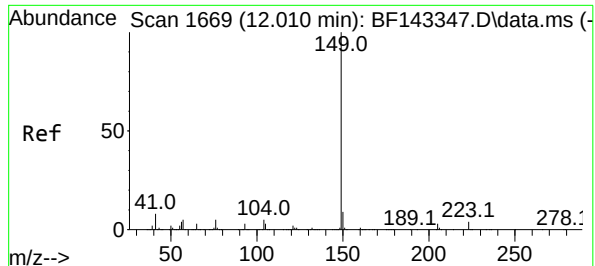
Tgt Ion:178 Resp: 170698
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 14.9 12.7 19.1



#73
Carbazole
Concen: 5.564 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:167 Resp: 146129
Ion Ratio Lower Upper
167 100
166 20.3 16.8 25.2
139 12.3 10.2 15.2

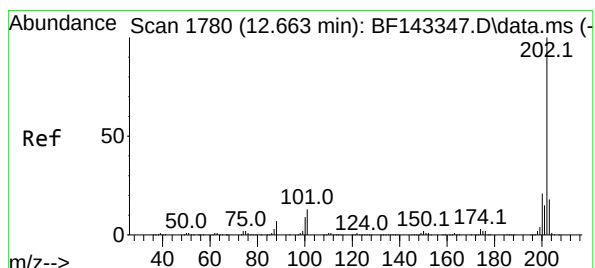
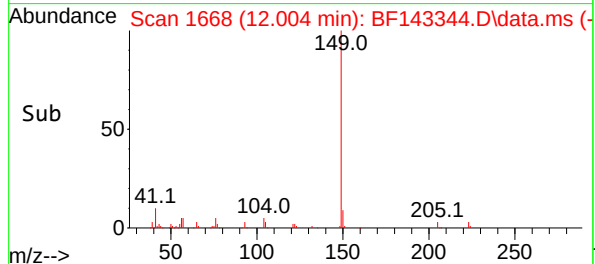
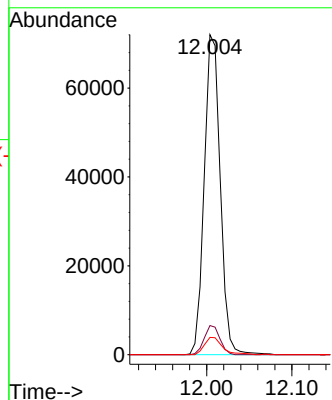
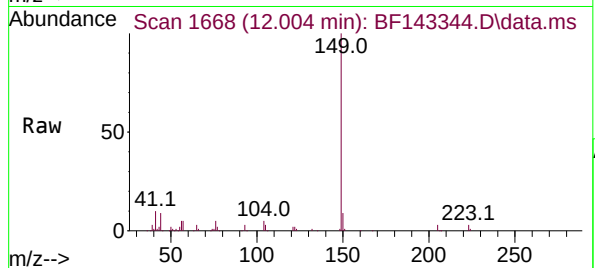




#74
Di-n-butylphthalate
Concen: 4.228 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

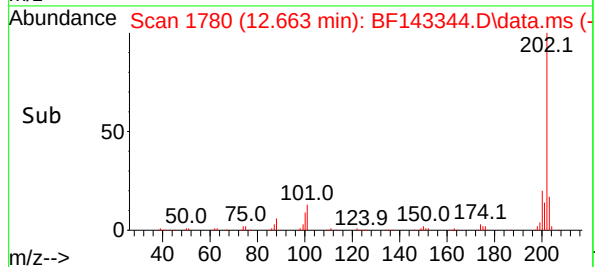
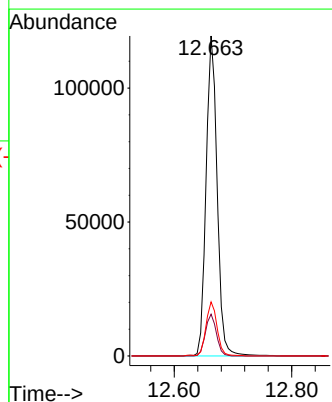
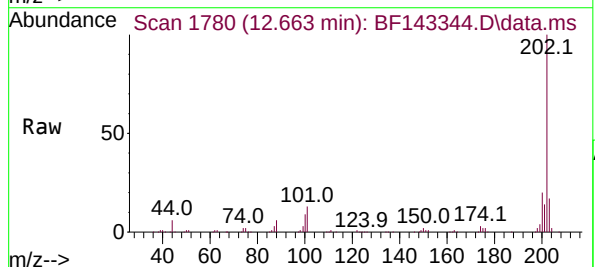
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

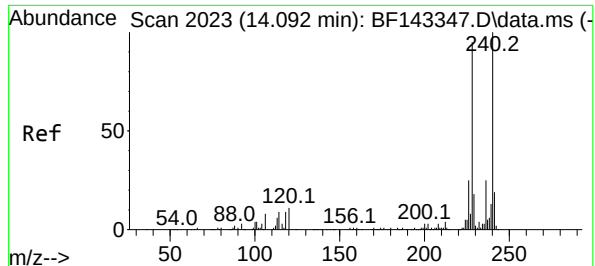
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.4	3.8	5.8



#75
Fluoranthene
Concen: 5.860 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	16.9	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

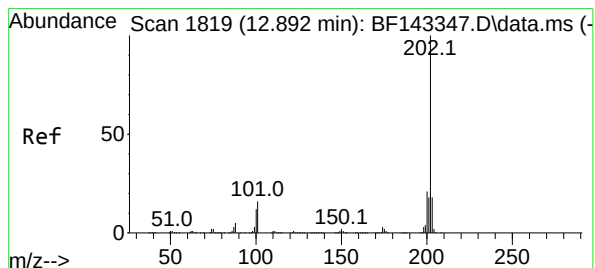
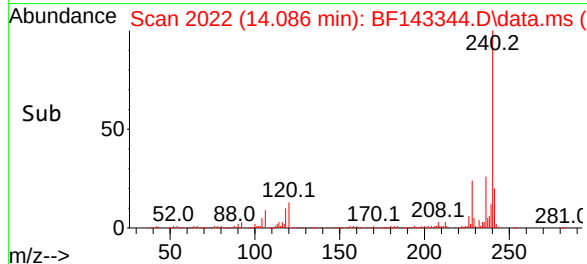
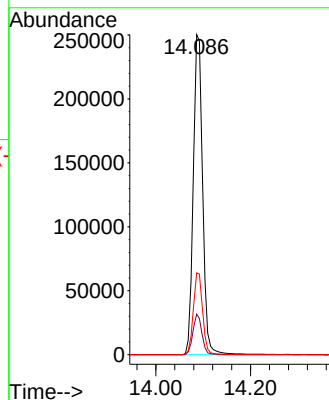
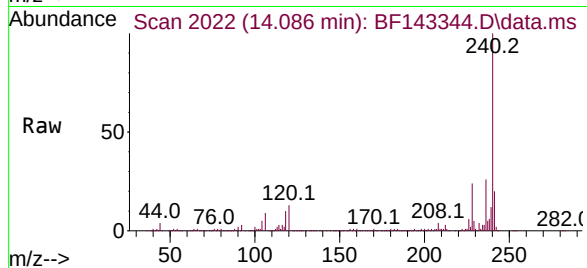
Tgt Ion:240 Resp: 344394

Ion Ratio Lower Upper

240 100

120 12.6 9.0 13.6

236 25.5 19.9 29.9



#78

Pyrene

Concen: 5.733 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

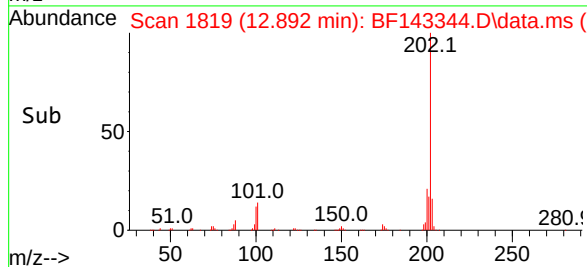
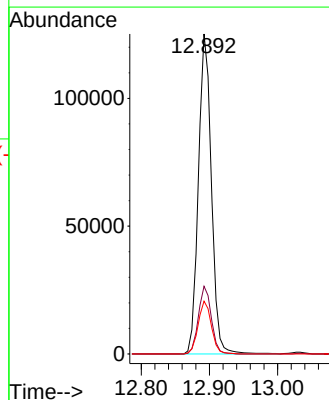
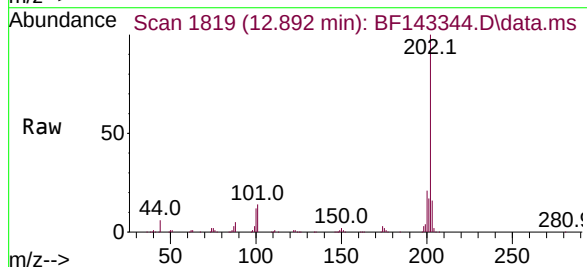
Tgt Ion:202 Resp: 165633

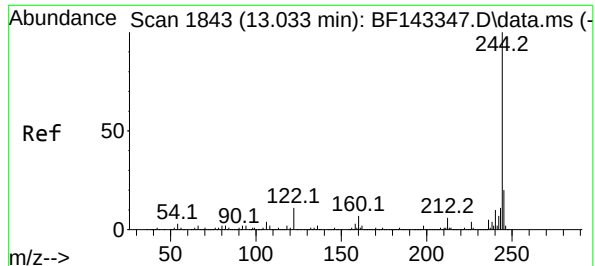
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 16.5 14.2 21.4





#79

Terphenyl-d14

Concen: 11.938 ng

RT: 13.027 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

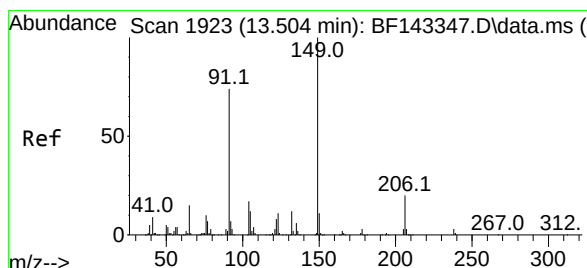
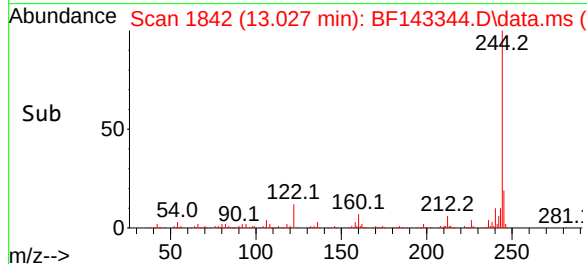
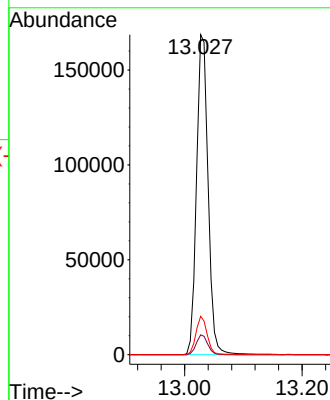
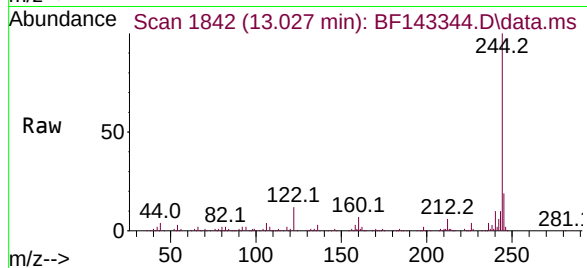
Tgt Ion:244 Resp: 230289

Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 12.0 8.9 13.3



#80

Butylbenzylphthalate

Concen: 5.856 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

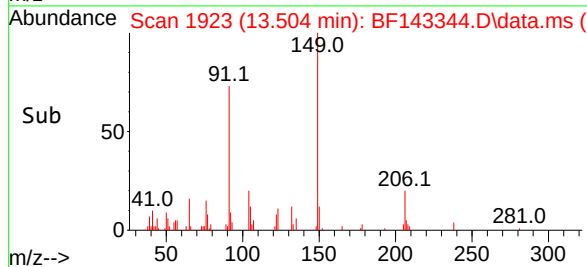
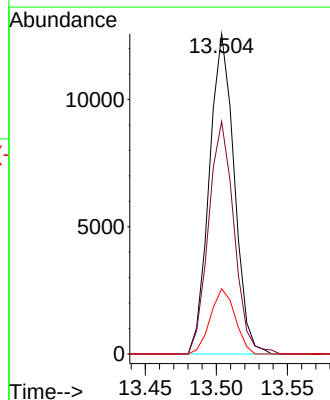
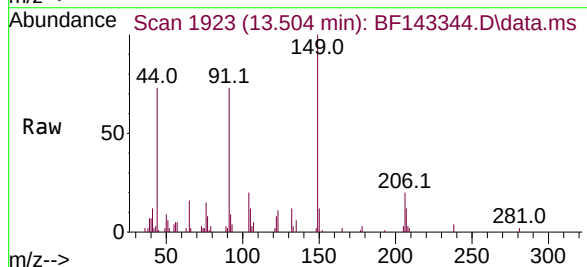
Tgt Ion:149 Resp: 15374

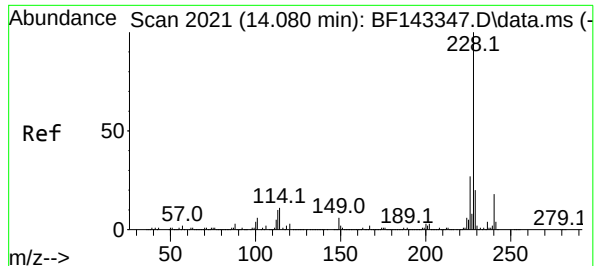
Ion Ratio Lower Upper

149 100

91 72.7 58.8 88.2

206 20.3 16.4 24.6

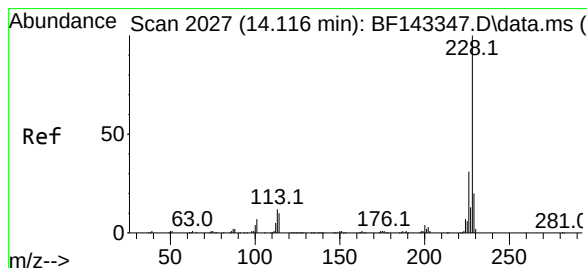
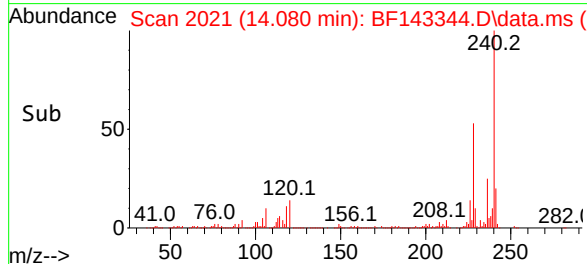
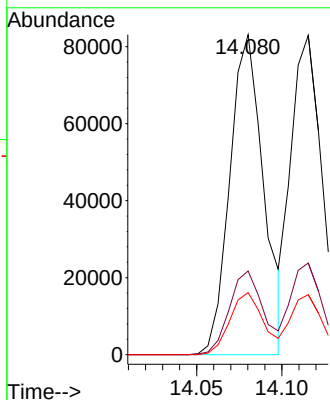
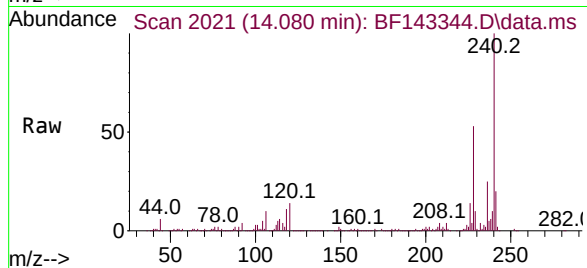




#81
Benzo(a)anthracene
Concen: 5.250 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

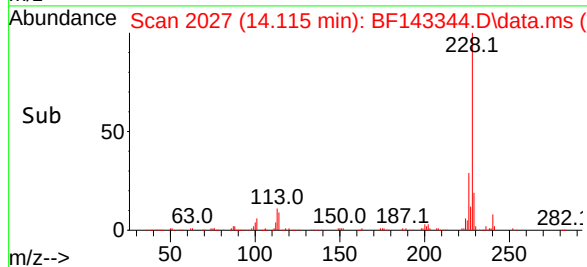
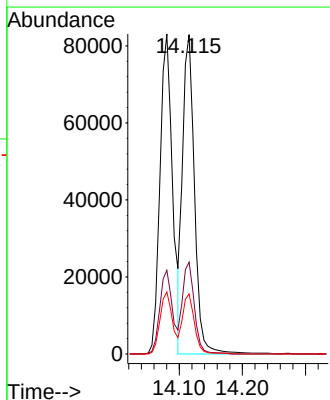
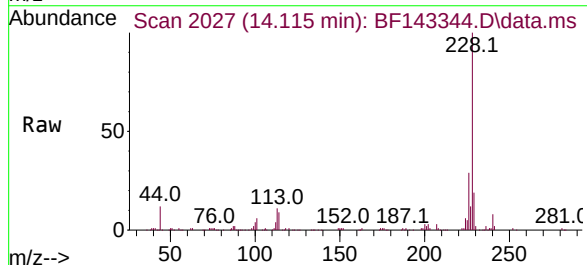
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

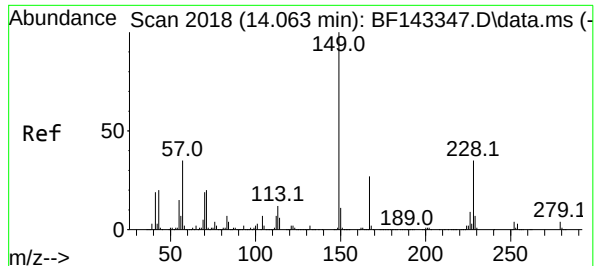
Tgt Ion:228 Resp: 114909
Ion Ratio Lower Upper
228 100
226 26.1 22.0 33.0
229 19.4 15.8 23.8



#83
Chrysene
Concen: 5.357 ng
RT: 14.115 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:228 Resp: 109349
Ion Ratio Lower Upper
228 100
226 28.7 24.2 36.2
229 18.8 15.8 23.6

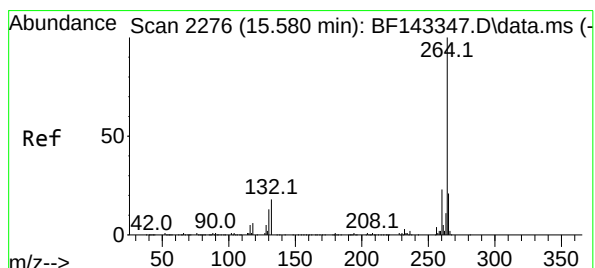
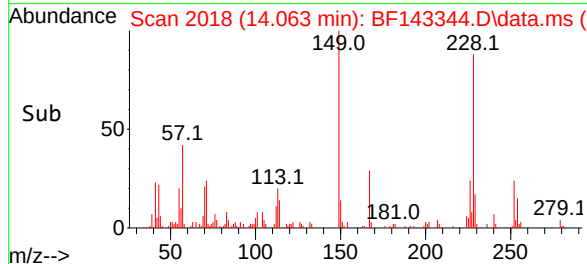
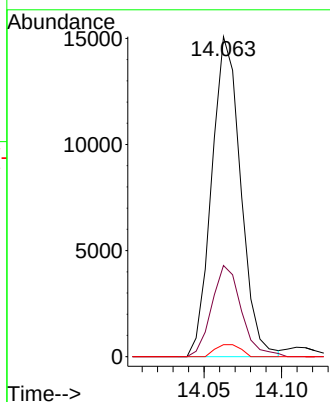
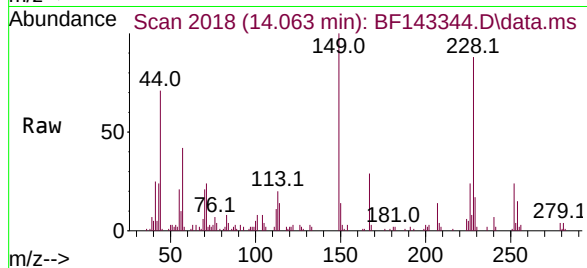




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.133 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

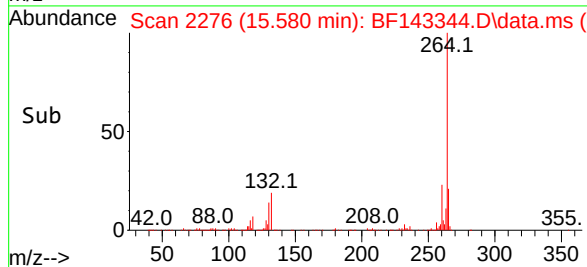
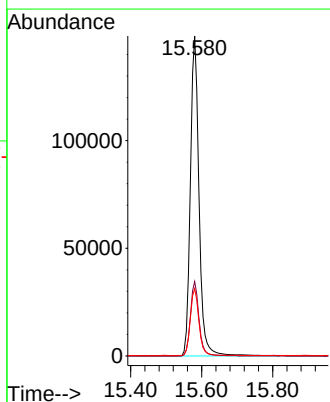
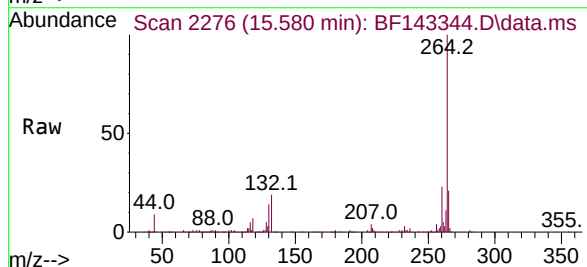
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

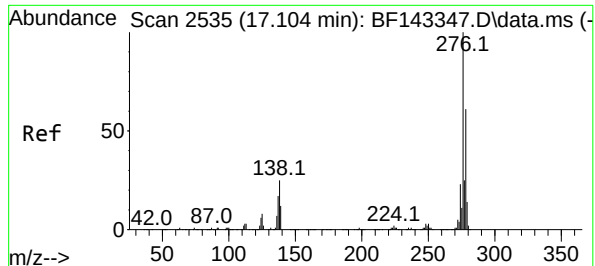
Tgt Ion:149 Resp: 19633
Ion Ratio Lower Upper
149 100
167 28.5 21.4 32.0
279 3.7 3.2 4.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:264 Resp: 252587
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 21.0 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.890 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

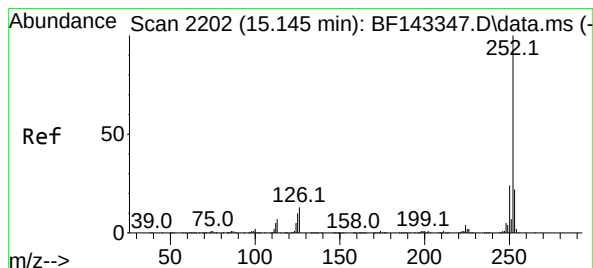
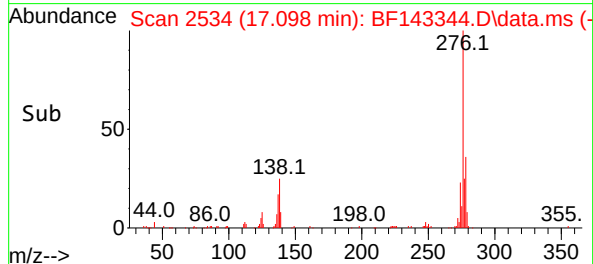
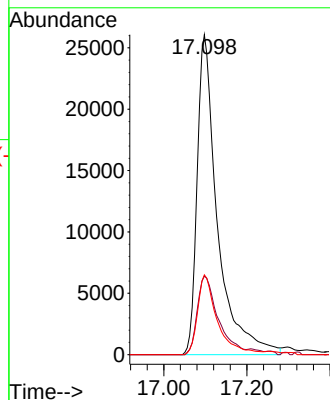
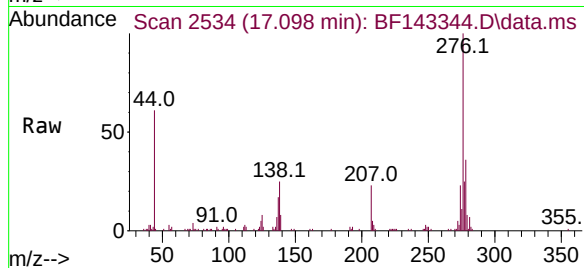
Tgt Ion:276 Resp: 88484

Ion Ratio Lower Upper

276 100

138 25.3 21.1 31.7

277 24.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 5.359 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

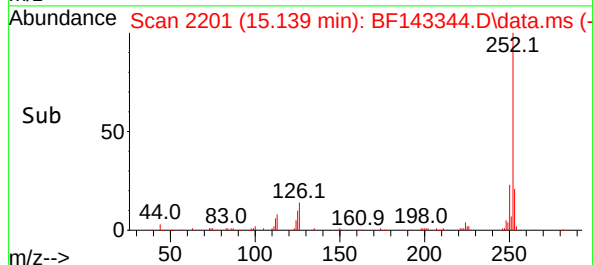
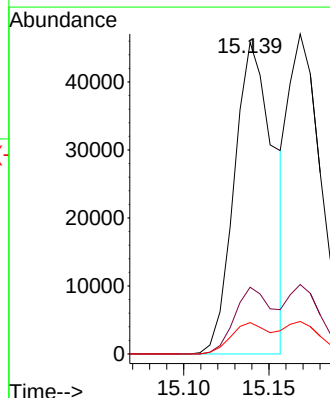
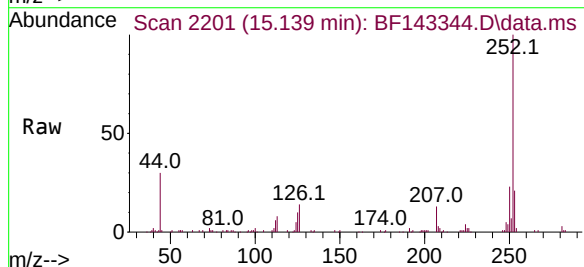
Tgt Ion:252 Resp: 74031

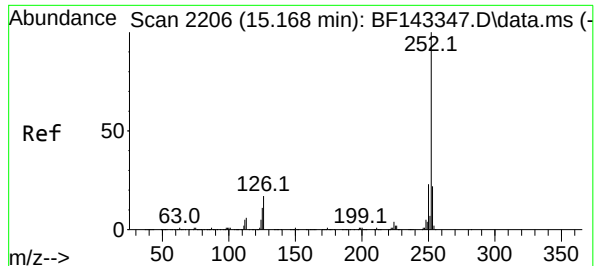
Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 10.1 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 5.006 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

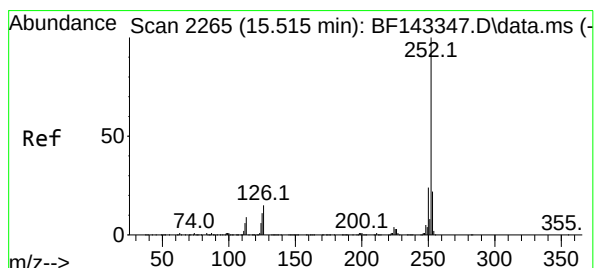
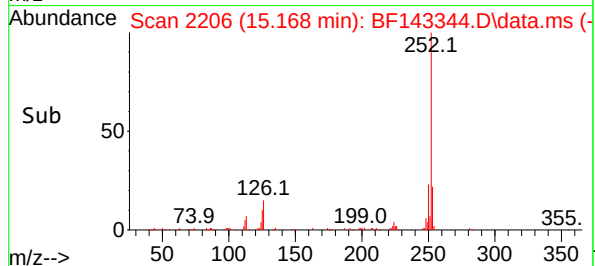
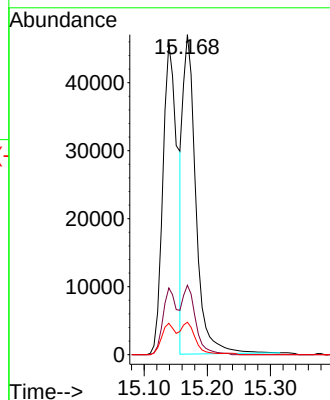
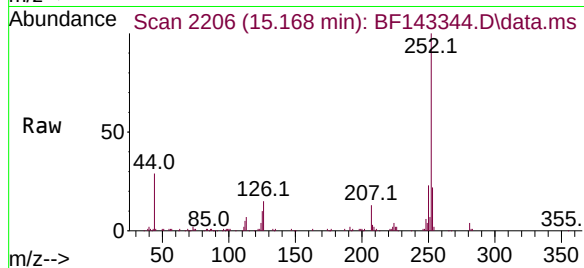
Tgt Ion:252 Resp: 67207

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 10.2 8.4 12.6



#90

Benzo(a)pyrene

Concen: 5.089 ng

RT: 15.515 min Scan# 2265

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

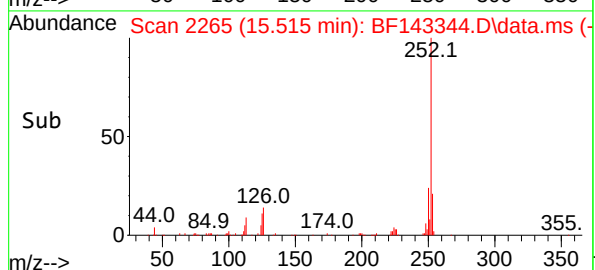
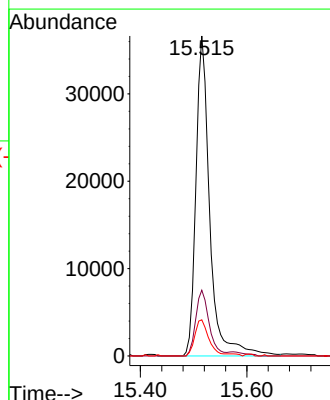
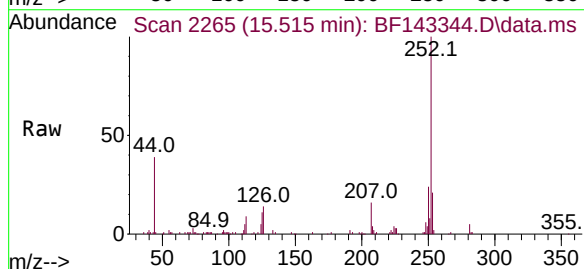
Tgt Ion:252 Resp: 66211

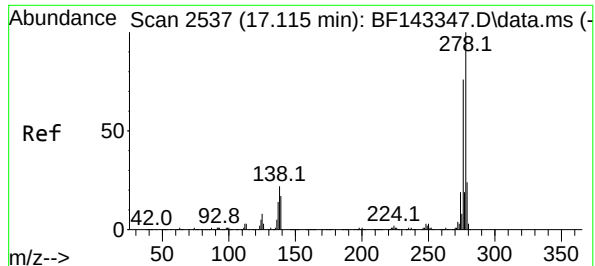
Ion Ratio Lower Upper

252 100

253 20.5 17.6 26.4

125 11.3 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 4.933 ng

RT: 17.115 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

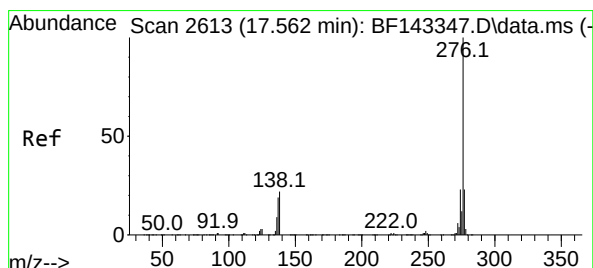
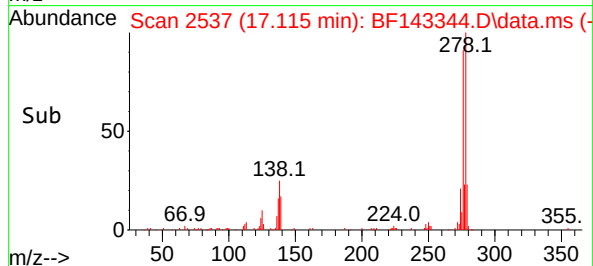
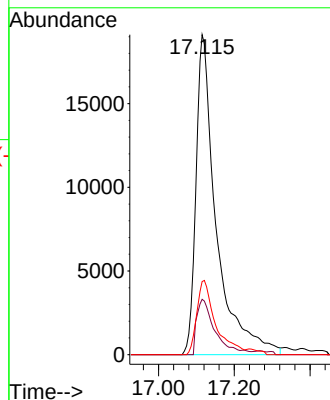
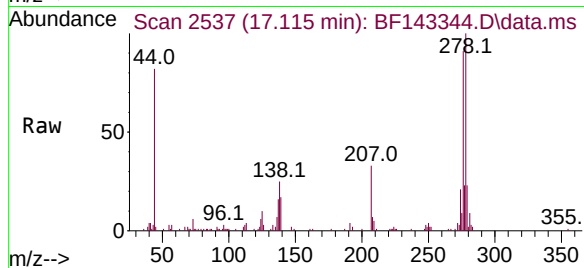
Tgt Ion:278 Resp: 71319

Ion Ratio Lower Upper

278 100

139 17.3 14.0 21.0

279 22.9 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 4.806 ng

RT: 17.551 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF143344.D

Acq: 12 Aug 2025 09:34

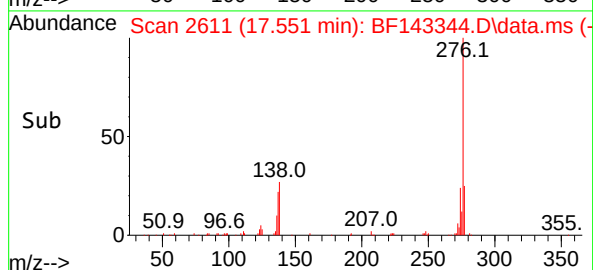
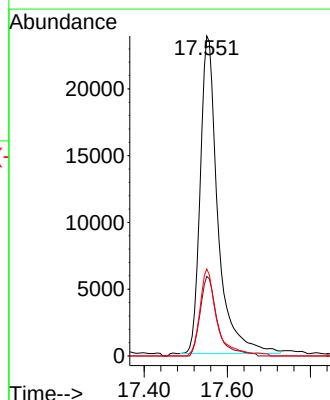
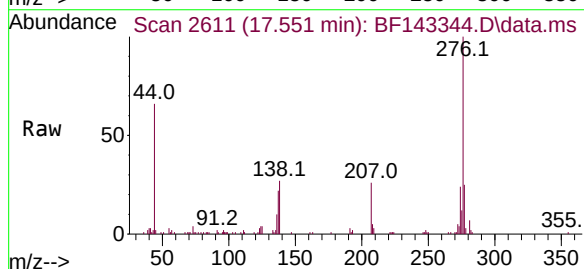
Tgt Ion:276 Resp: 69991

Ion Ratio Lower Upper

276 100

277 24.9 18.7 28.1

138 27.2 17.8 26.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143345.D
 Acq On : 12 Aug 2025 10:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025

Quant Time: Aug 12 13:17:37 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 12 13:02:27 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	154882	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	603685	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	326305	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	511556	20.000	ng	0.00
76) Chrysene-d12	14.086	240	288804	20.000	ng	0.00
86) Perylene-d12	15.580	264	252284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	181196	20.231	ng	0.00
7) Phenol-d6	6.551	99	233168	20.301	ng	-0.01
23) Nitrobenzene-d5	7.481	82	183453	18.924	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	41296	17.317	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	434554	22.583	ng	0.00
79) Terphenyl-d14	13.027	244	388588	24.022	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	45069	9.724	ng	99
3) Pyridine	3.546	79	121796	9.862	ng	98
4) n-Nitrosodimethylamine	3.463	42	53152	9.239	ng	95
6) Aniline	6.587	93	165629	10.229	ng	98
8) 2-Chlorophenol	6.716	128	94079	9.830	ng	97
9) Benzaldehyde	6.481	77	85899	11.315	ng	99
10) Phenol	6.569	94	138719	10.195	ng	94
11) bis(2-Chloroethyl)ether	6.657	93	100958	10.068	ng	99
12) 1,3-Dichlorobenzene	6.869	146	114502	10.373	ng	99
13) 1,4-Dichlorobenzene	6.945	146	116940	10.555	ng	97
14) 1,2-Dichlorobenzene	7.098	146	109638	10.425	ng	99
15) Benzyl Alcohol	7.063	79	75894	9.218	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	186451	10.414	ng	96
17) 2-Methylphenol	7.175	107	80378	9.950	ng	99
18) Hexachloroethane	7.445	117	33555	9.660	ng	98
19) n-Nitroso-di-n-propyla...	7.328	70	72922	10.275	ng	95
20) 3+4-Methylphenols	7.328	107	103058	10.548	ng	# 85
22) Acetophenone	7.328	105	144189	10.840	ng	98
24) Nitrobenzene	7.504	77	99226	9.425	ng	98
25) Isophorone	7.739	82	199699	10.091	ng	98
26) 2-Nitrophenol	7.822	139	25672	9.265	ng	98
27) 2,4-Dimethylphenol	7.857	122	78873	9.553	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	123627	10.232	ng	99
29) 2,4-Dichlorophenol	8.069	162	77156	9.568	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	87392	10.274	ng	98
31) Naphthalene	8.233	128	308901	10.634	ng	98
32) Benzoic acid	7.939	122	20894m	10.319	ng	
33) 4-Chloroaniline	8.275	127	105601	10.079	ng	99
34) Hexachlorobutadiene	8.351	225	54615	10.321	ng	99
35) Caprolactam	8.610	113	18357	8.098	ng	93
36) 4-Chloro-3-methylphenol	8.757	107	82681	9.780	ng	96
37) 2-Methylnaphthalene	8.922	142	203203	10.641	ng	100
38) 1-Methylnaphthalene	9.022	142	197497	10.738	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	92307	10.338	ng	99
41) Hexachlorocyclopentadiene	9.081	237	14343	10.801	ng	100
43) 2,4,6-Trichlorophenol	9.198	196	44424	8.769	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143345.D
 Acq On : 12 Aug 2025 10:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025

Quant Time: Aug 12 13:17:37 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 12 13:02:27 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	50263	8.786	ng	98
46) 1,1'-Biphenyl	9.380	154	245641	10.647	ng	99
47) 2-Chloronaphthalene	9.410	162	191809	10.556	ng	98
48) 2-Nitroaniline	9.498	65	36444	9.319	ng	93
49) Acenaphthylene	9.822	152	274441	10.459	ng	99
50) Dimethylphthalate	9.675	163	192210	10.081	ng	100
51) 2,6-Dinitrotoluene	9.733	165	24005	9.205	ng	88
52) Acenaphthene	9.998	154	183915	10.543	ng	100
53) 3-Nitroaniline	9.904	138	31507	8.069	ng	92
54) 2,4-Dinitrophenol	10.022	184	4834	10.356	ng	92
55) Dibenzofuran	10.169	168	267653	10.660	ng	99
56) 4-Nitrophenol	10.075	139	15708	10.166	ng	92
57) 2,4-Dinitrotoluene	10.139	165	31226	9.126	ng	91
58) Fluorene	10.510	166	210161	10.959	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	30681	7.955	ng	98
60) Diethylphthalate	10.375	149	173119	10.137	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	97989	10.575	ng	99
62) 4-Nitroaniline	10.516	138	32919	8.714	ng	97
63) Azobenzene	10.657	77	200367	10.272	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	9325	11.085	ng	92
66) n-Nitrosodiphenylamine	10.616	169	171289	10.169	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	56818	9.712	ng	97
68) Hexachlorobenzene	11.063	284	63639	10.091	ng	99
69) Atrazine	11.139	200	40124	9.133	ng	100
70) Pentachlorophenol	11.257	266	14951	10.407	ng	94
71) Phenanthrene	11.474	178	296410	10.620	ng	98
72) Anthracene	11.527	178	298872	10.559	ng	99
73) Carbazole	11.674	167	255831	10.613	ng	100
74) Di-n-butylphthalate	12.004	149	189069	9.269	ng	99
75) Fluoranthene	12.663	202	269569	11.026	ng	99
77) Benzidine	12.780	184	78152	9.898	ng	100
78) Pyrene	12.892	202	283403	11.697	ng	98
80) Butylbenzylphthalate	13.504	149	30088	9.196	ng	99
81) Benzo(a)anthracene	14.074	228	176759	9.629	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	36804	7.425	ng	98
83) Chrysene	14.110	228	180427	10.541	ng	98
84) Bis(2-ethylhexyl)phtha...	14.063	149	39945	9.191	ng	100
85) Di-n-octyl phthalate	14.674	149	78702	10.933	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	183505	10.153	ng	99
88) Benzo(b)fluoranthene	15.139	252	129605	9.392	ng	99
89) Benzo(k)fluoranthene	15.168	252	136296	10.165	ng	98
90) Benzo(a)pyrene	15.515	252	127540	9.814	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	146537	10.148	ng	98
92) Benzo(g,h,i)perylene	17.551	276	150383	10.338	ng	100

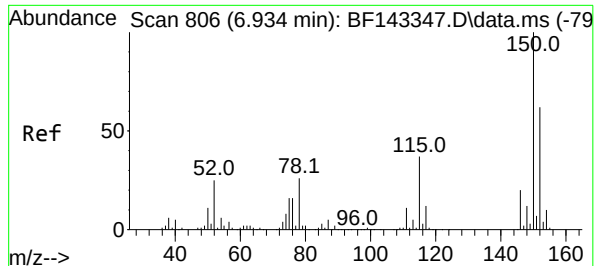
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

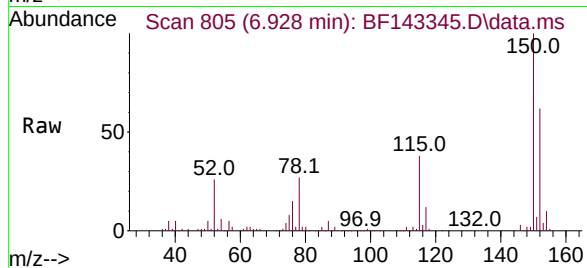
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

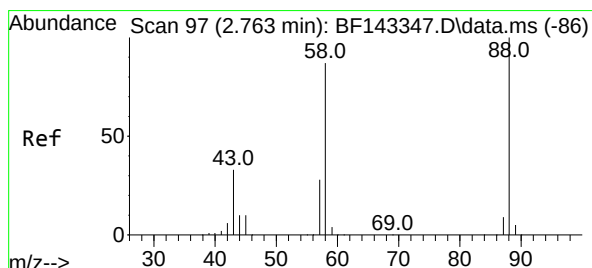
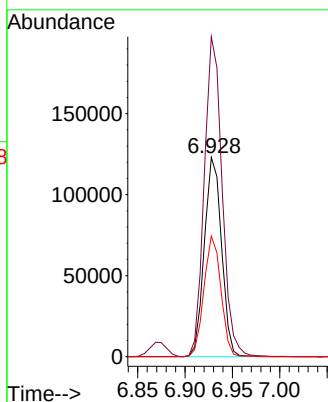
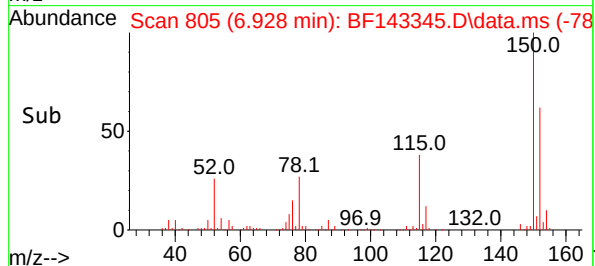
Instrument :
BNA_F
ClientSampleId :
SSTDIC010



Tgt Ion:152 Resp: 15488
Ion Ratio Lower Upper
152 100
150 160.6 129.8 194.8
115 60.6 47.8 71.8

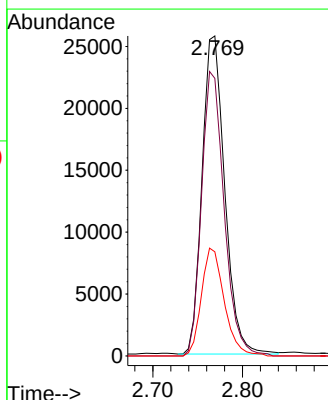
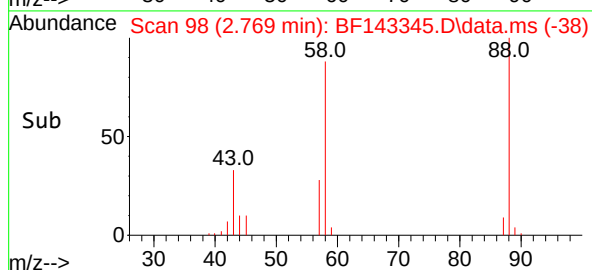
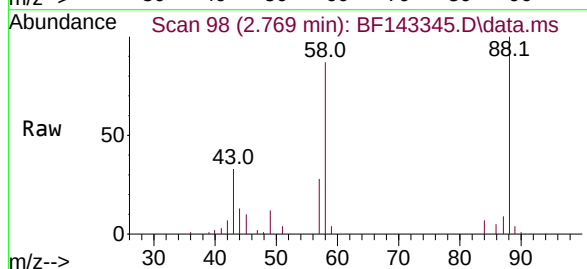
Manual Integrations
APPROVED

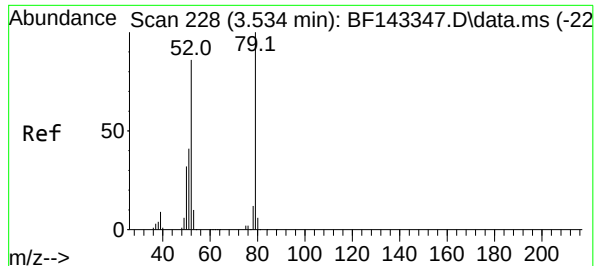
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#2
1,4-Dioxane
Concen: 9.724 ng
RT: 2.769 min Scan# 98
Delta R.T. 0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 88 Resp: 45069
Ion Ratio Lower Upper
88 100
58 89.2 71.0 106.6
43 34.2 27.0 40.6





#3

Pyridine

Concen: 9.862 ng

RT: 3.546 min Scan# 216

Delta R.T. 0.012 min

Lab File: BF143345.D

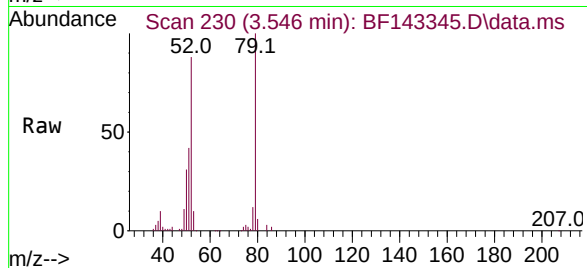
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

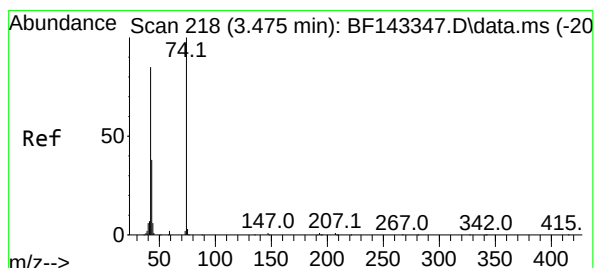
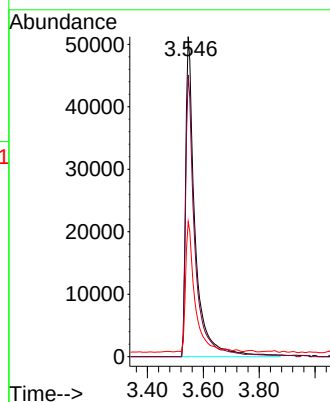
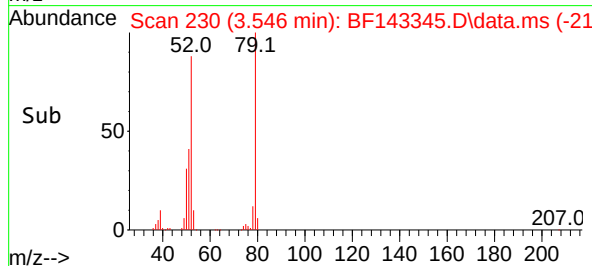


Tgt Ion:	79	Resp:	121790
Ion Ratio	100	Lower	Upper
79	100		
52	88.0	68.7	103.1
51	42.2	33.4	50.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#4

n-Nitrosodimethylamine

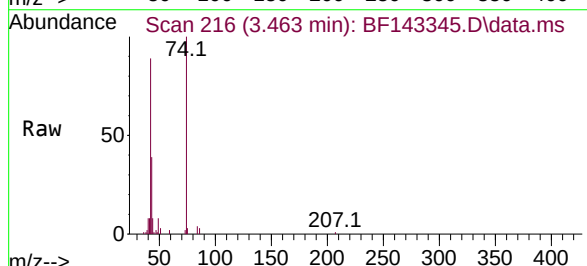
Concen: 9.239 ng

RT: 3.463 min Scan# 216

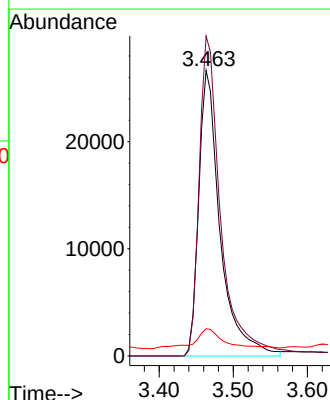
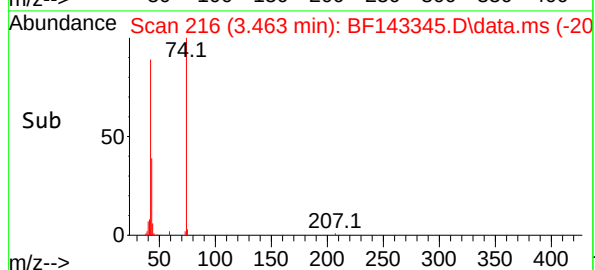
Delta R.T. -0.012 min

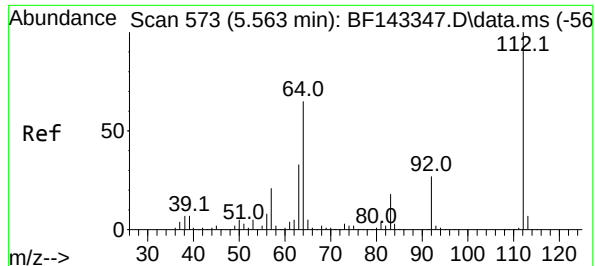
Lab File: BF143345.D

Acq: 12 Aug 2025 10:04



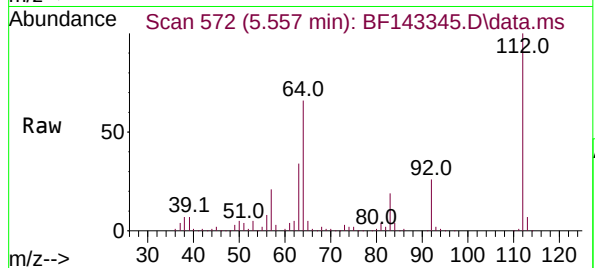
Tgt Ion:	42	Resp:	53152
Ion Ratio	100	Lower	Upper
42	100		
74	112.1	94.1	141.1
44	9.5	6.5	9.7





#5
2-Fluorophenol
Concen: 20.231 ng
RT: 5.557 min Scan# 511
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

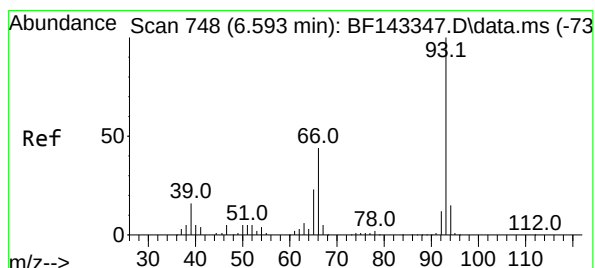
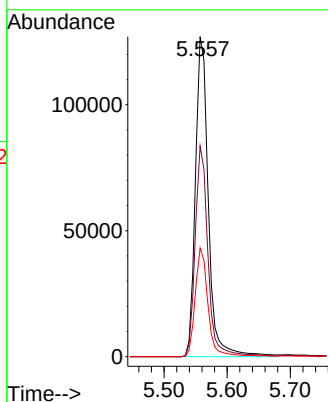
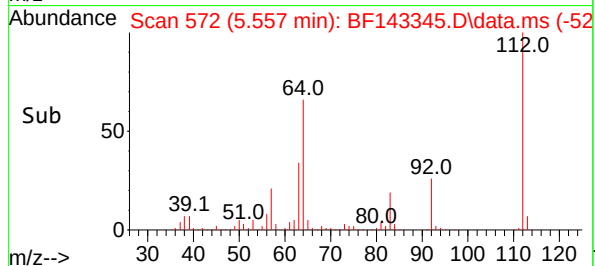
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:112 Resp: 181190
Ion Ratio Lower Upper
112 100
64 65.8 52.1 78.1
63 33.9 26.6 39.8

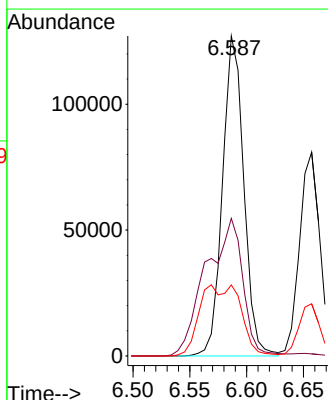
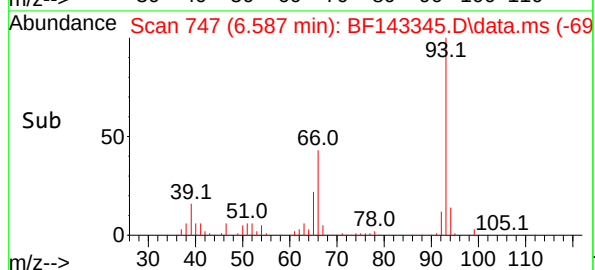
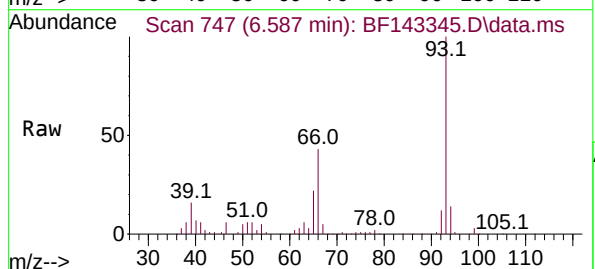
Manual Integrations
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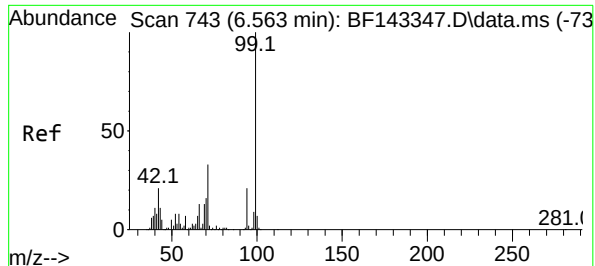
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#6
Aniline
Concen: 10.229 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

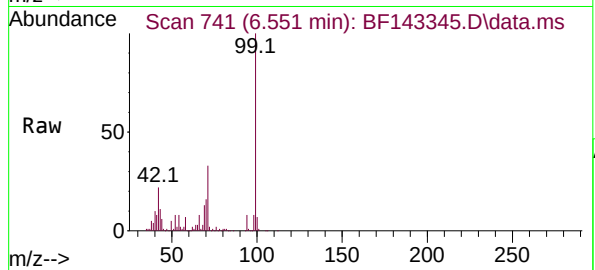
Tgt Ion: 93 Resp: 165629
Ion Ratio Lower Upper
93 100
66 43.0 35.3 52.9
65 22.2 18.2 27.4





#7
Phenol-d6
Concen: 20.301 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

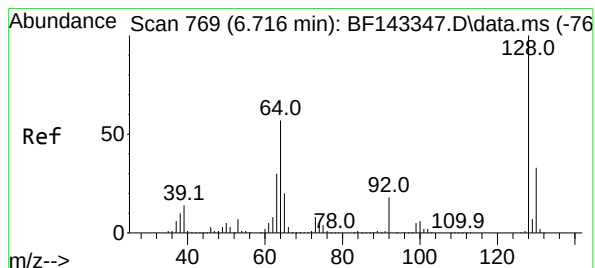
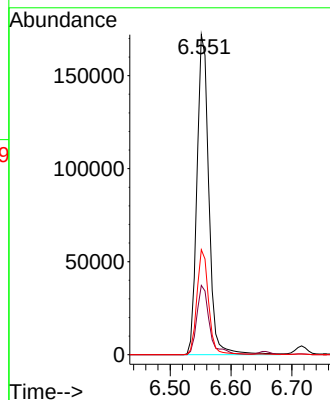
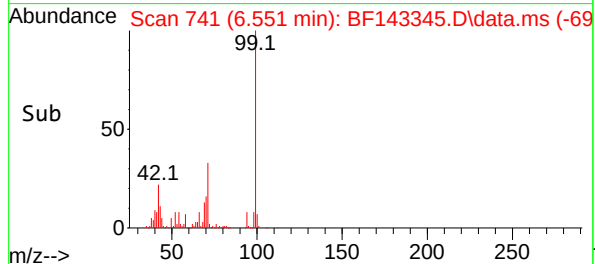
Instrument :
BNA_F
Client Sample Id :
SSTDICC010



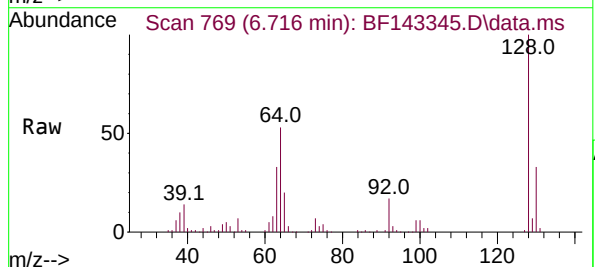
Tgt Ion: 99 Resp: 233168
Ion Ratio Lower Upper
99 100
42 21.7 16.6 25.0
71 32.8 26.2 39.2

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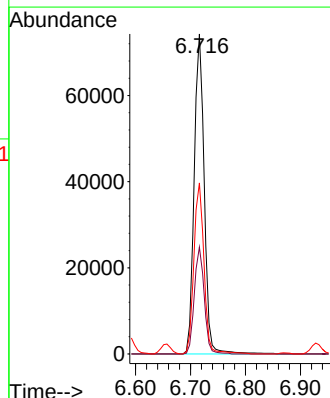
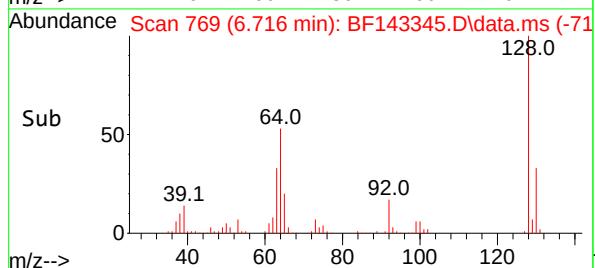
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

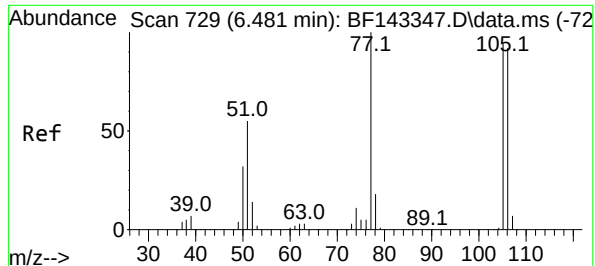


#8
2-Chlorophenol
Concen: 9.830 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:128 Resp: 94079
Ion Ratio Lower Upper
128 100
130 33.4 12.6 52.6
64 53.4 36.7 76.7





#9

Benzaldehyde

Concen: 11.315 ng

RT: 6.481 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 77 Resp: 8589

Ion Ratio Lower Upper

77 100

105 95.4 74.2 114.2

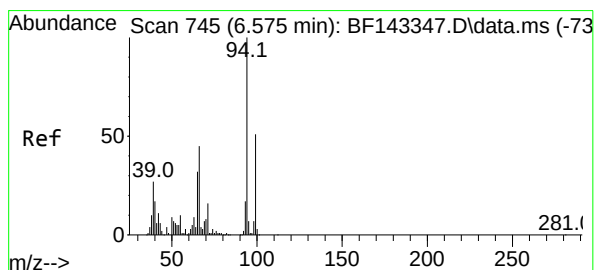
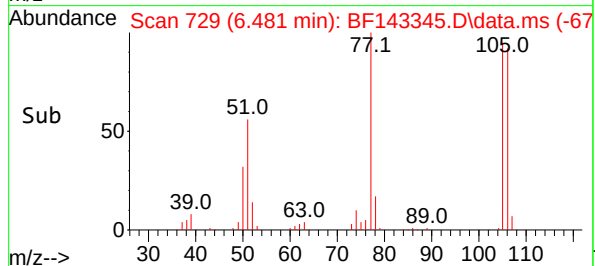
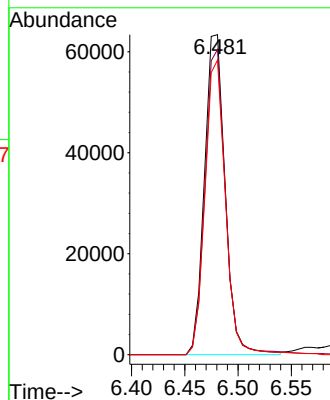
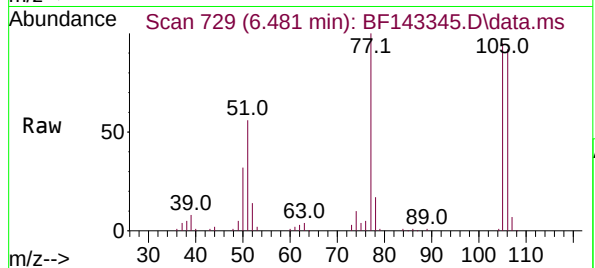
106 92.0 72.2 112.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#10

Phenol

Concen: 10.195 ng

RT: 6.569 min Scan# 744

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

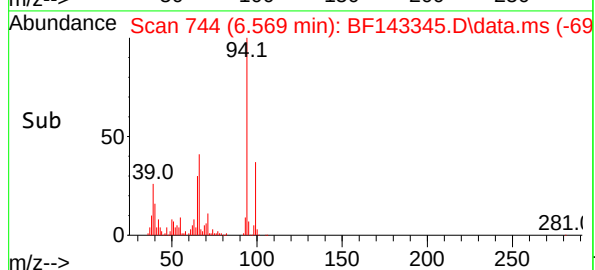
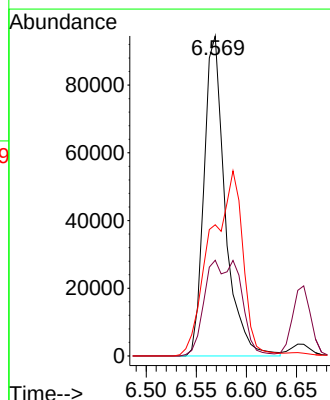
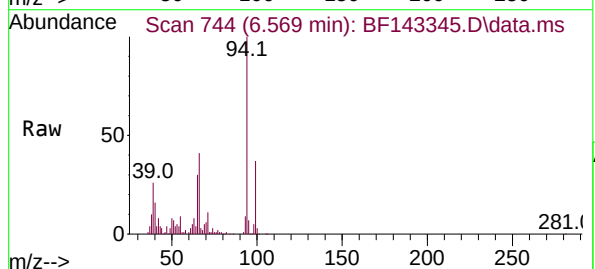
Tgt Ion: 94 Resp: 138719

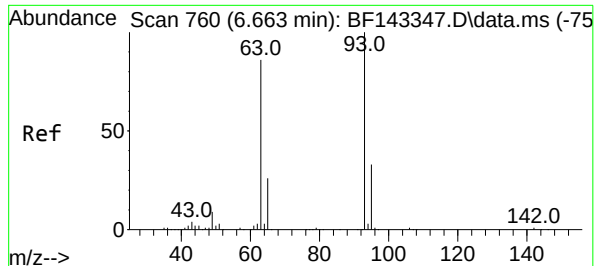
Ion Ratio Lower Upper

94 100

65 29.9 12.0 52.0

66 41.0 25.6 65.6





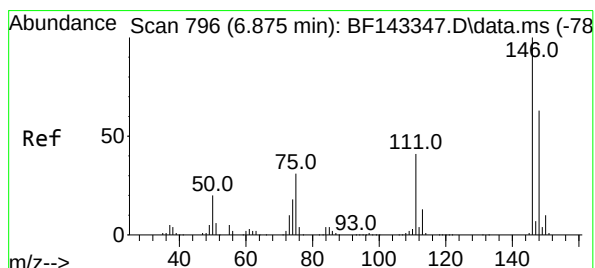
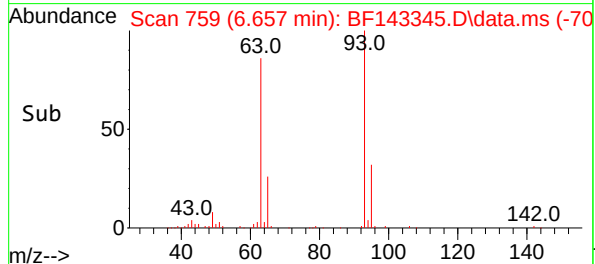
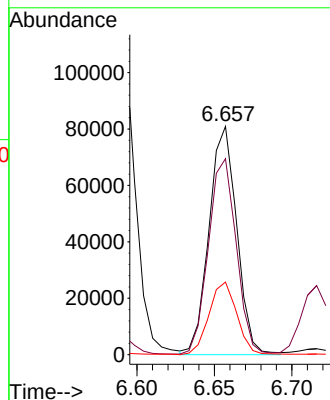
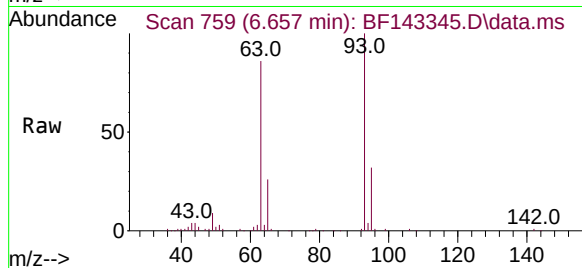
#11
bis(2-Chloroethyl)ether
Concen: 10.068 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
Client Sample Id :
SSTDICC010

Tgt Ion: 93 Resp: 100958
Ion Ratio Lower Upper
93 100
63 85.8 65.7 105.7
95 31.8 13.0 53.0

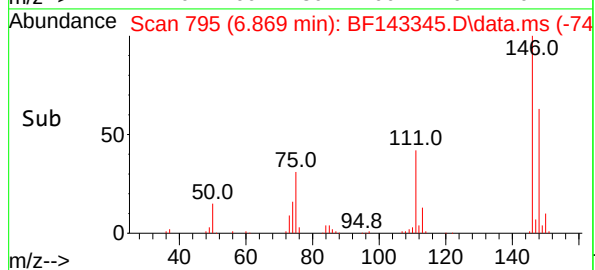
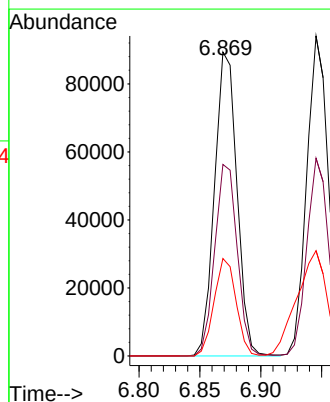
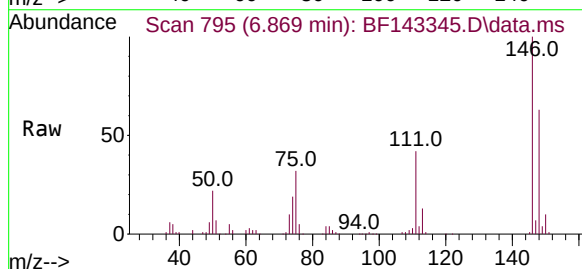
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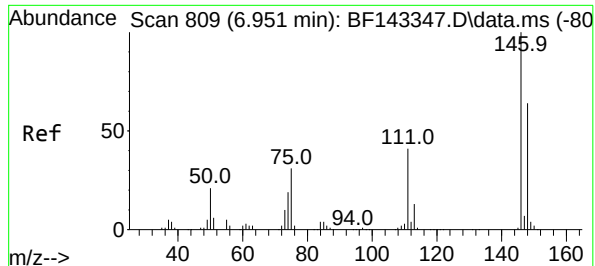
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#12
1,3-Dichlorobenzene
Concen: 10.373 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 114502
Ion Ratio Lower Upper
146 100
148 63.0 50.5 75.7
75 32.1 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 10.555 ng

RT: 6.945 min Scan# 809

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 116940

Ion Ratio Lower Upper

146 100

148 61.8 51.4 77.0

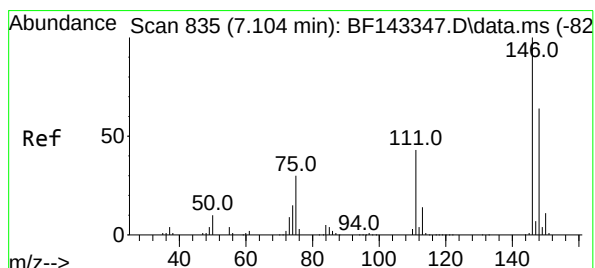
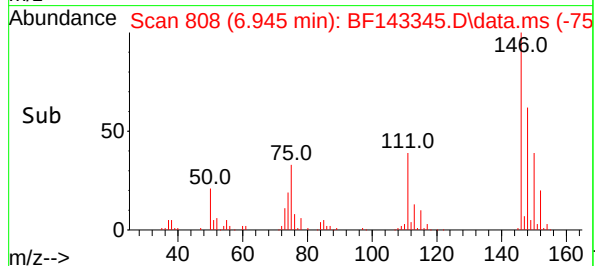
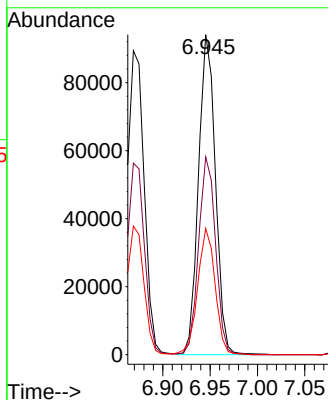
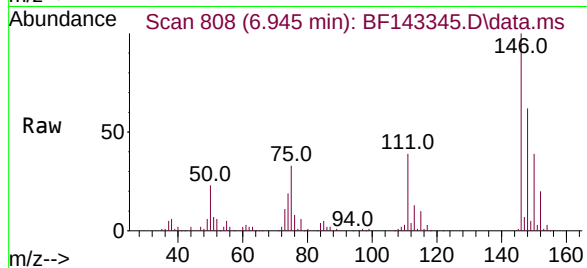
111 39.4 32.6 48.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#14

1,2-Dichlorobenzene

Concen: 10.425 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

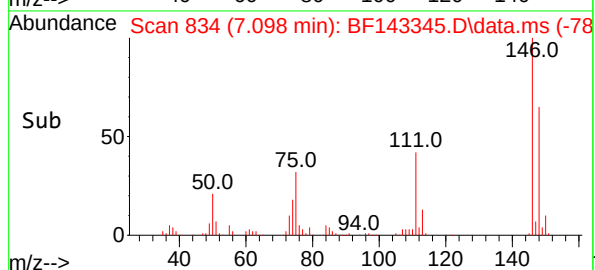
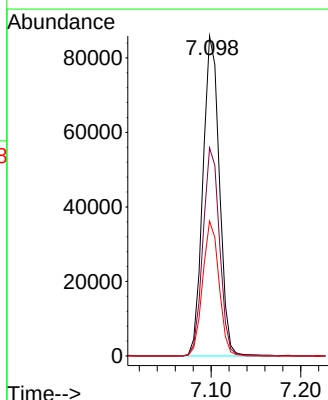
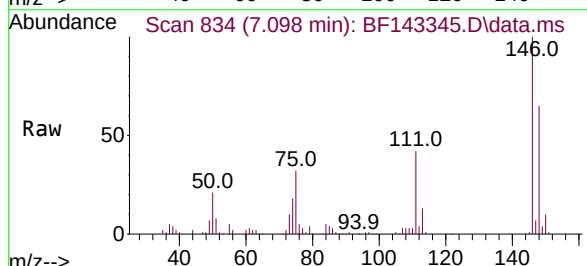
Tgt Ion:146 Resp: 109638

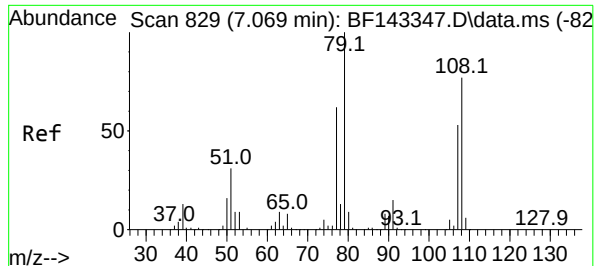
Ion Ratio Lower Upper

146 100

148 65.0 51.4 77.2

111 42.2 34.1 51.1





#15

Benzyl Alcohol

Concen: 9.218 ng

RT: 7.063 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

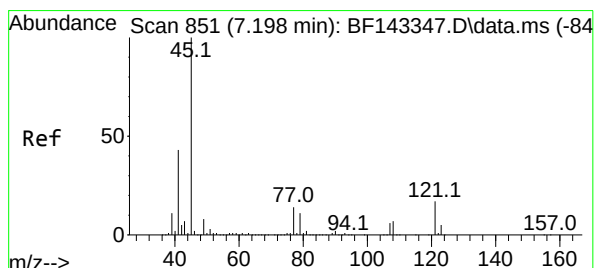
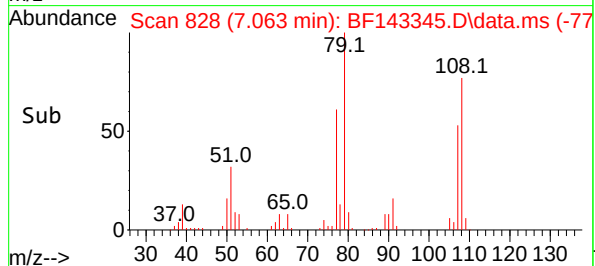
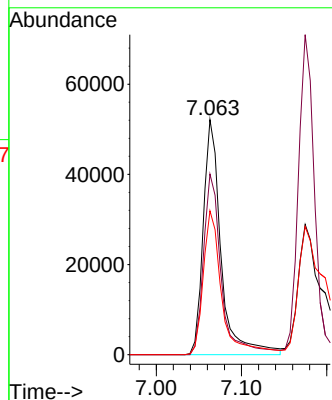
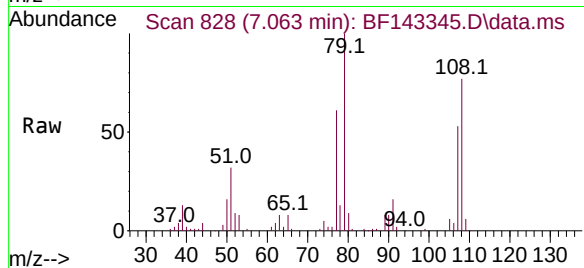
ClientSampleId :

SSTDICC010

Tgt Ion:	79	Resp:	75894
Ion	Ratio	Lower	Upper
79	100		
108	76.8	61.5	92.3
77	61.2	49.8	74.8

Manual Integrations
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Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.414 ng

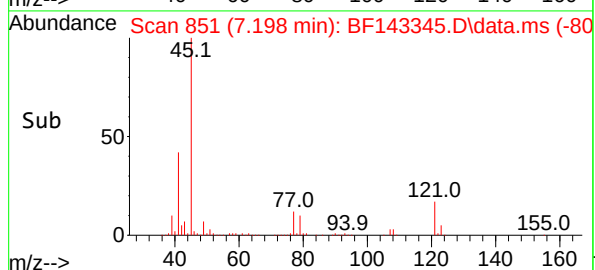
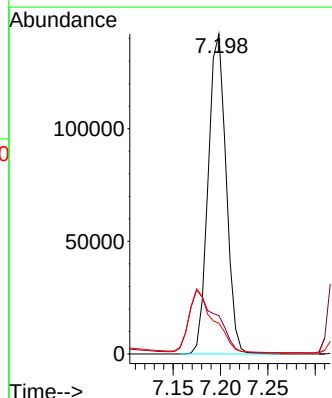
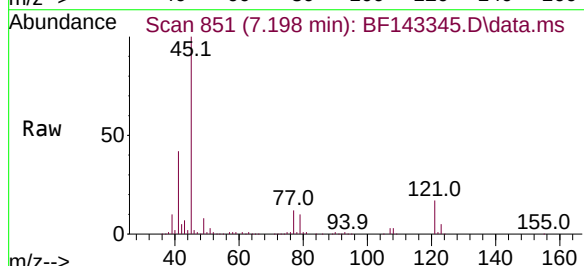
RT: 7.198 min Scan# 851

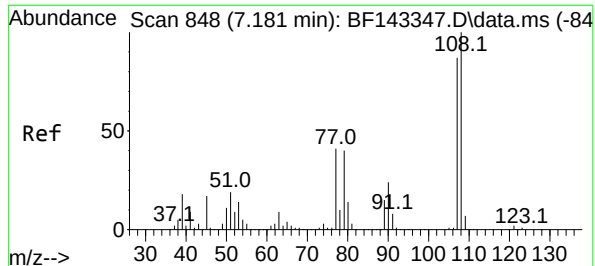
Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

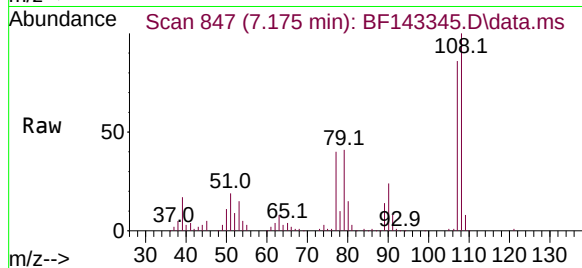
Tgt Ion:	45	Resp:	186451
Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	34.0
79	9.6	0.0	31.1





#17
2-Methylphenol
Concen: 9.950 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

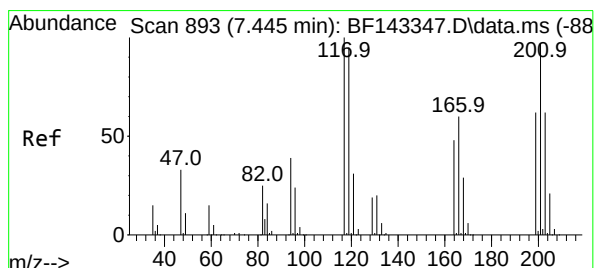
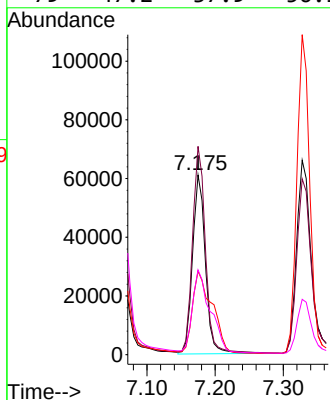
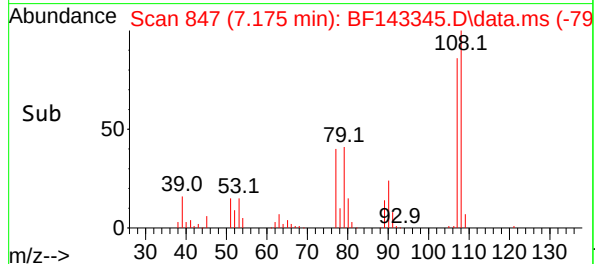
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:107 Resp: 80378
Ion Ratio Lower Upper
107 100
108 116.0 92.0 138.0
77 46.5 38.2 57.2
79 47.2 37.9 56.9

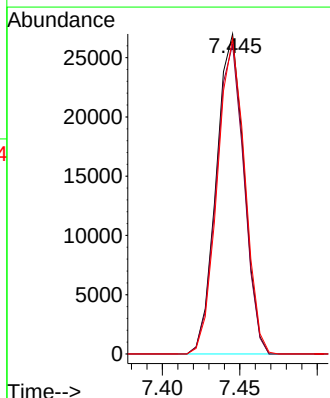
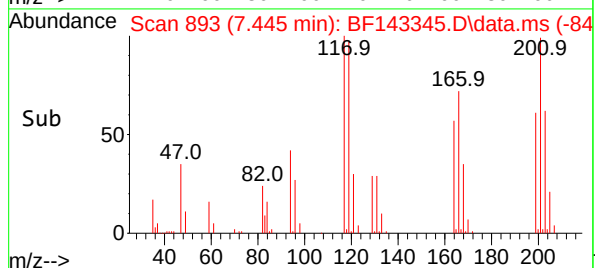
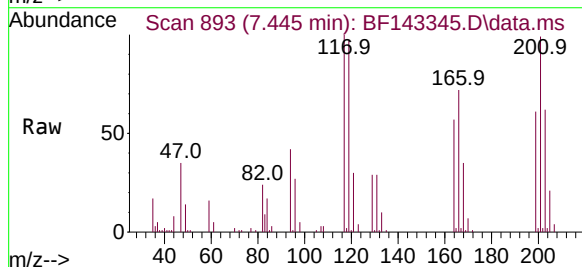
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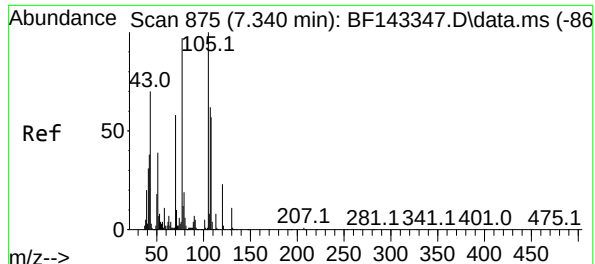
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#18
Hexachloroethane
Concen: 9.660 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:117 Resp: 33555
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.8
201 98.6 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 10.275 ng

RT: 7.328 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 7292

Ion Ratio Lower Upper

70 100

42 69.0 51.6 77.4

101 9.1 7.5 11.3

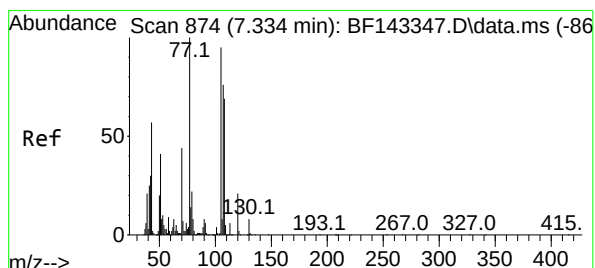
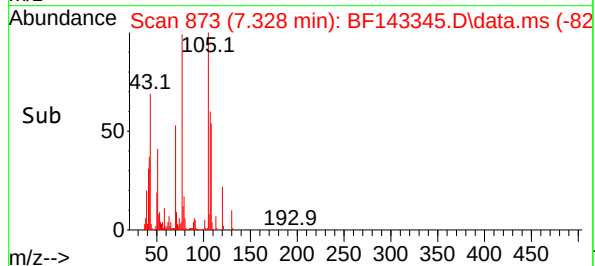
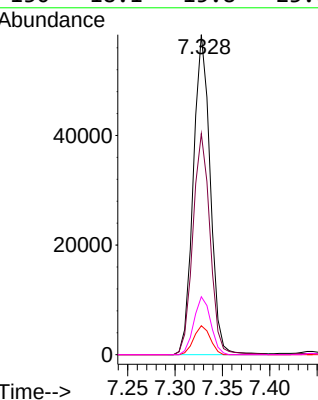
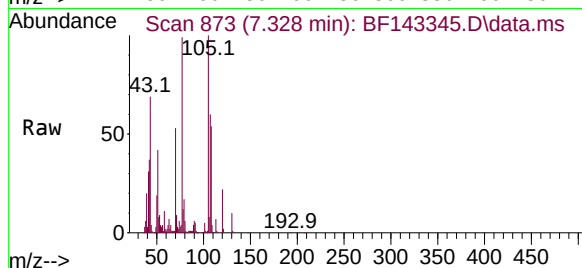
130 18.1 15.8 23.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#20

3+4-Methylphenols

Concen: 10.548 ng

RT: 7.328 min Scan# 873

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 103058

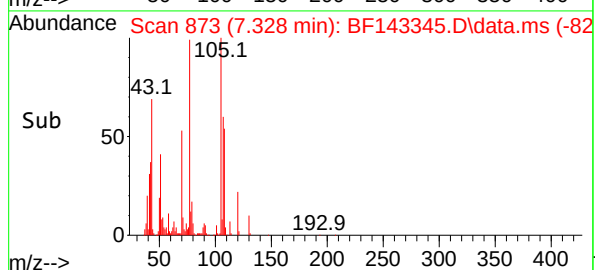
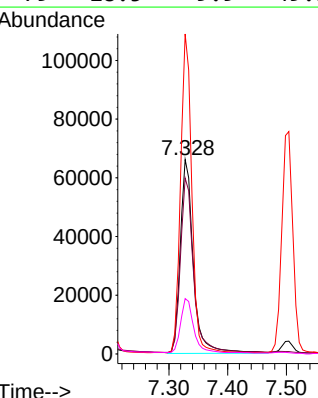
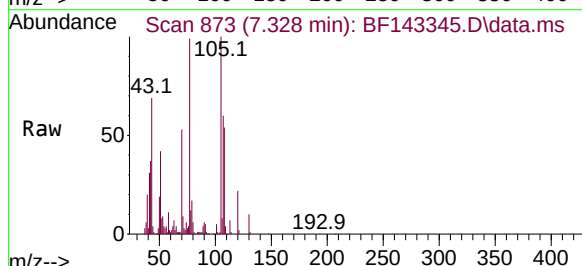
Ion Ratio Lower Upper

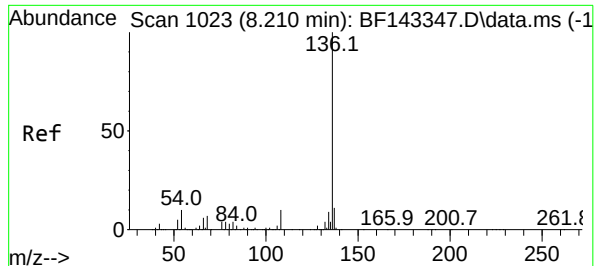
107 100

108 90.4 70.6 110.6

77 164.6 112.0 152.0#

79 28.5 9.9 49.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 60368

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 10.2 8.4 12.6

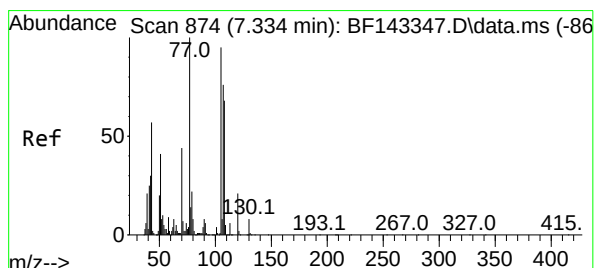
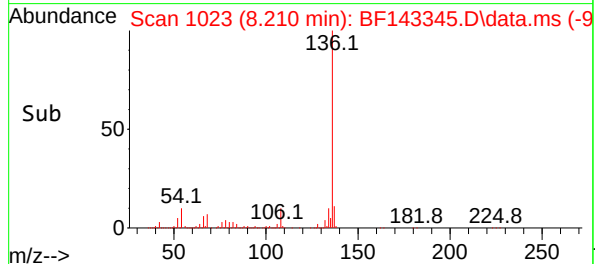
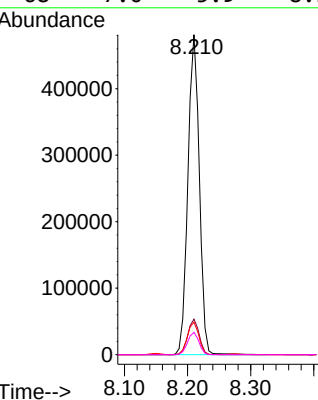
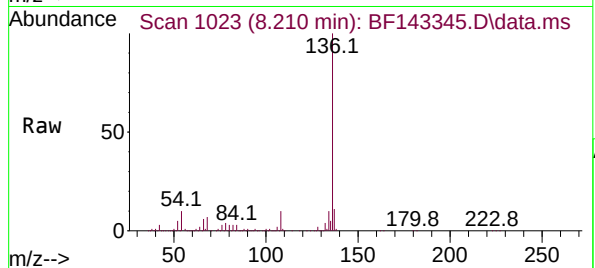
68 7.0 5.9 8.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#22

Acetophenone

Concen: 10.840 ng

RT: 7.328 min Scan# 873

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:105 Resp: 144189

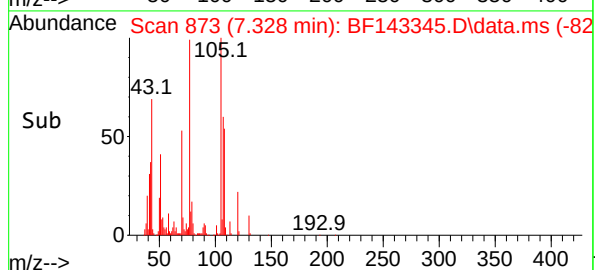
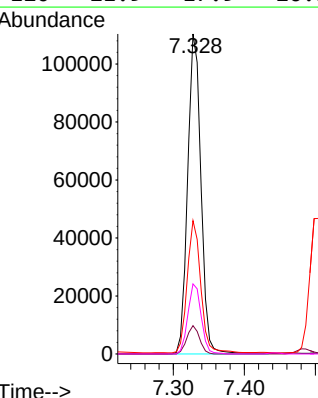
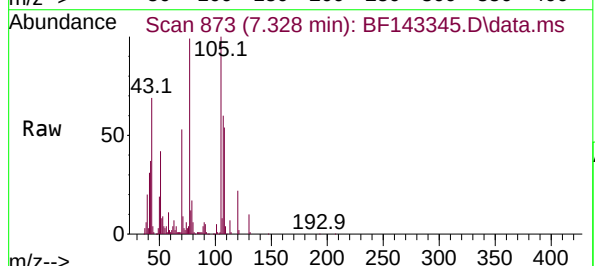
Ion Ratio Lower Upper

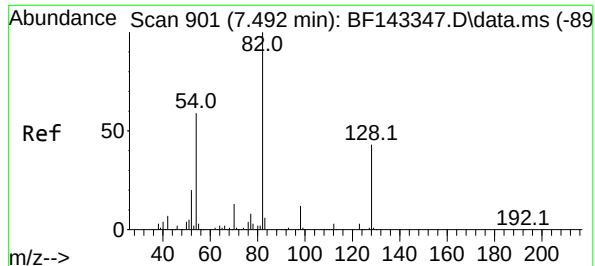
105 100

71 8.8 6.2 9.4

51 41.6 34.8 52.2

120 21.9 17.9 26.9





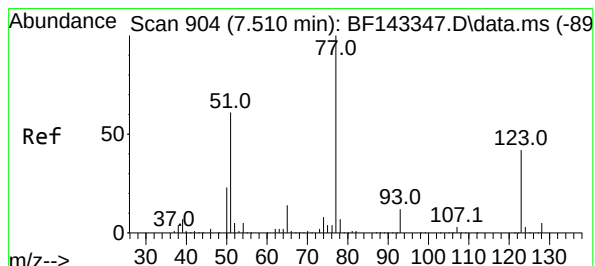
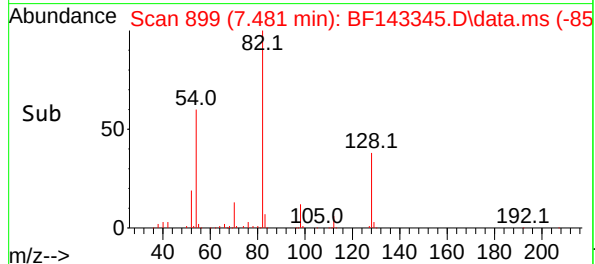
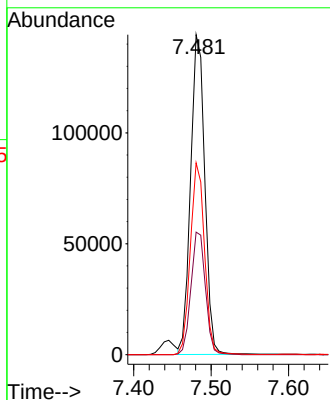
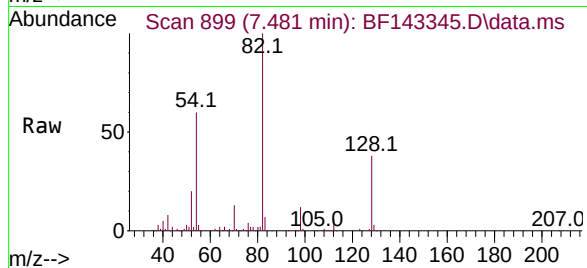
#23
Nitrobenzene-d5
Concen: 18.924 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 18345
Ion Ratio Lower Upper
82 100
128 38.3 33.5 50.3
54 60.0 46.7 70.1

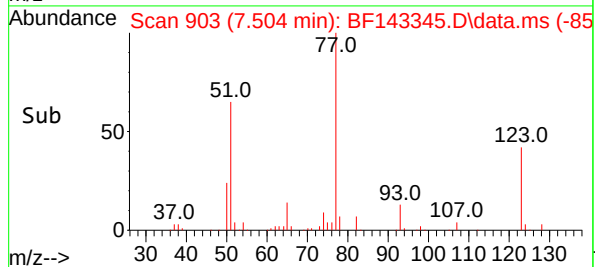
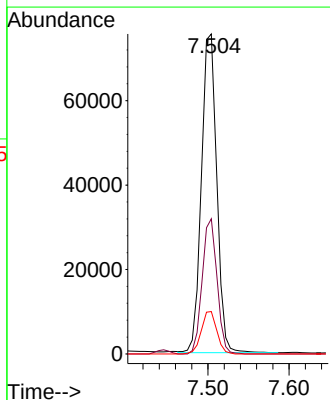
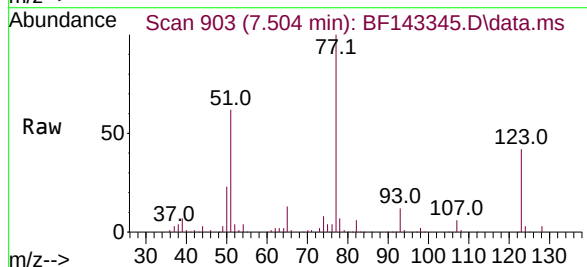
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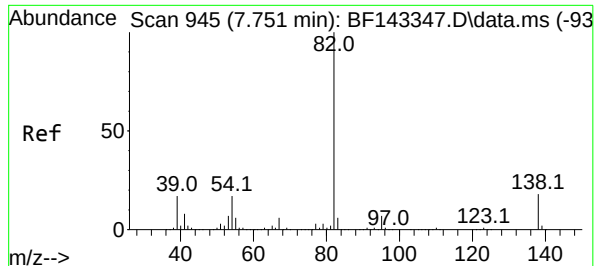
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#24
Nitrobenzene
Concen: 9.425 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 77 Resp: 99226
Ion Ratio Lower Upper
77 100
123 42.3 34.8 52.2
65 13.2 11.0 16.6





#25

Isophorone

Concen: 10.091 ng

RT: 7.739 min Scan# 94

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 19969

Ion Ratio Lower Upper

82 100

95 6.7 5.5 8.3

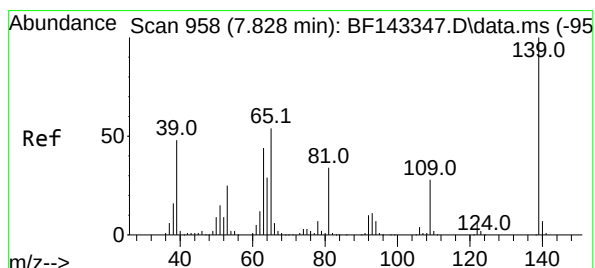
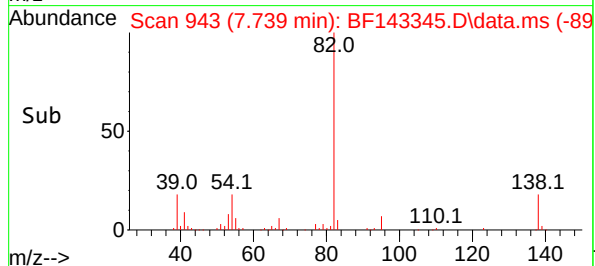
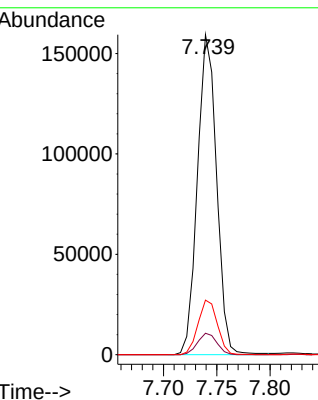
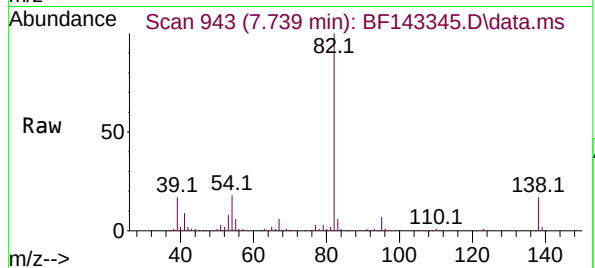
138 17.1 14.6 21.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#26

2-Nitrophenol

Concen: 9.265 ng

RT: 7.822 min Scan# 957

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

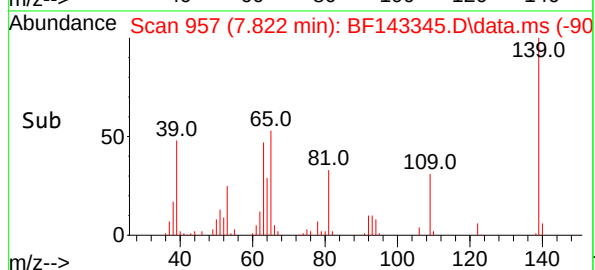
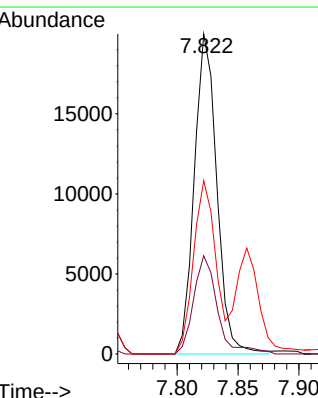
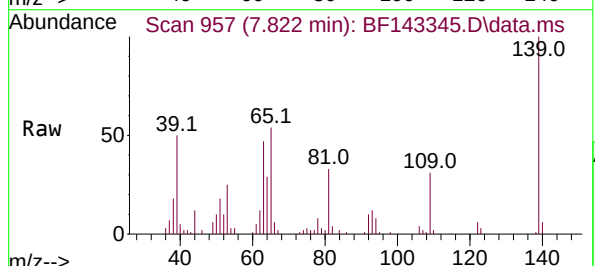
Tgt Ion:139 Resp: 25672

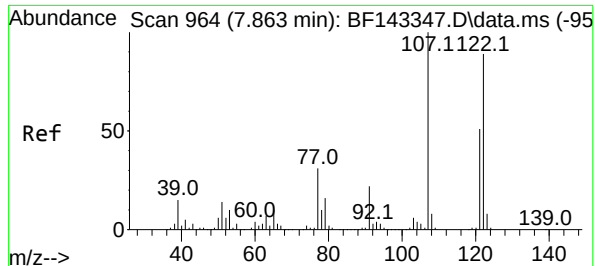
Ion Ratio Lower Upper

139 100

109 30.7 22.4 33.6

65 54.1 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 9.553 ng

RT: 7.857 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

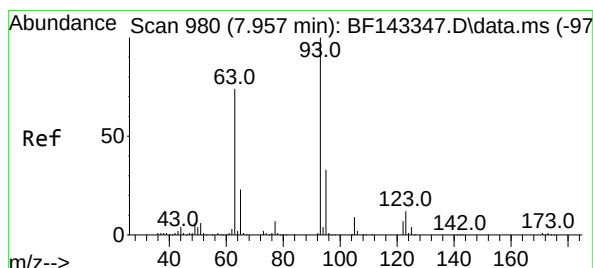
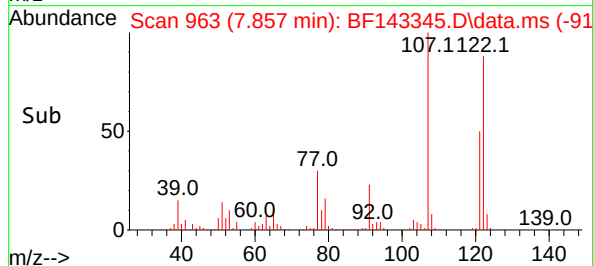
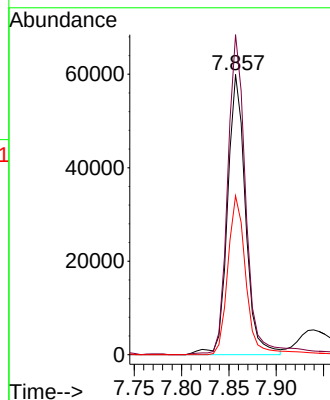
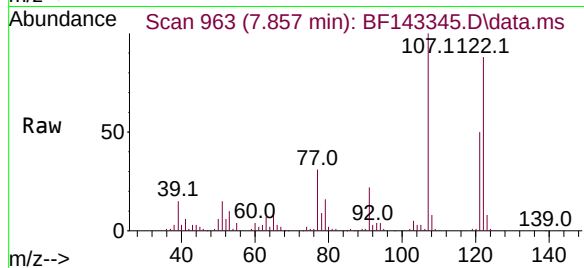
Tgt Ion:122 Resp: 7887

Ion	Ratio	Lower	Upper
122	100		
107	114.2	89.9	134.9
121	56.7	46.2	69.4

Manual Integrations
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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#28

bis(2-Chloroethoxy)methane

Concen: 10.232 ng

RT: 7.951 min Scan# 979

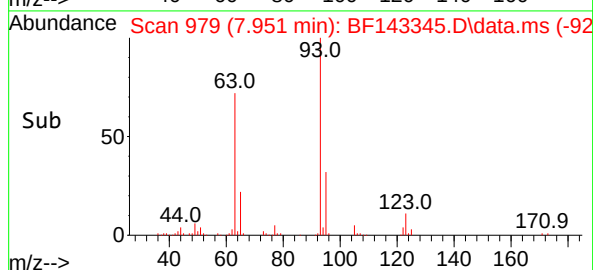
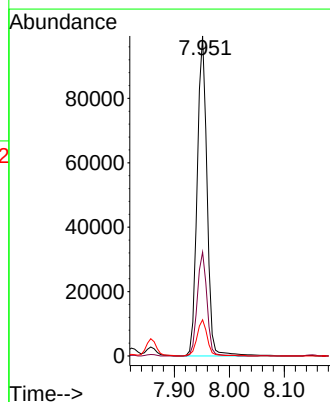
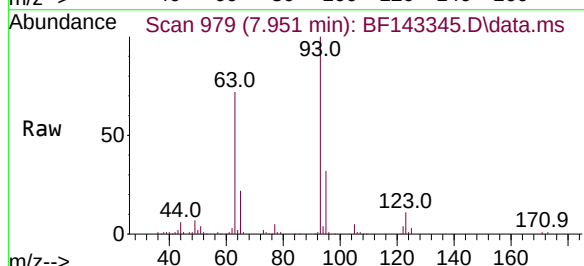
Delta R.T. -0.006 min

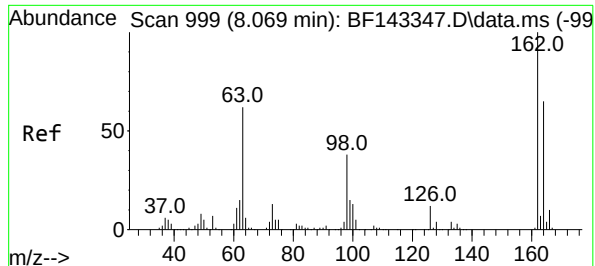
Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 123627

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.3	9.4	14.2





#29

2,4-Dichlorophenol

Concen: 9.568 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.000 min

Lab File: BF143345.D

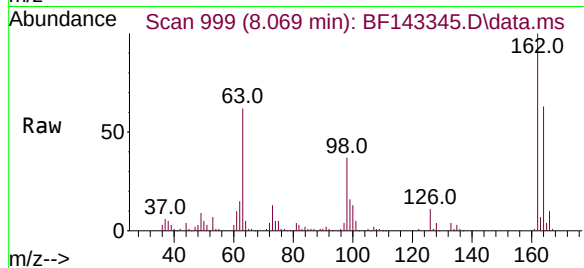
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

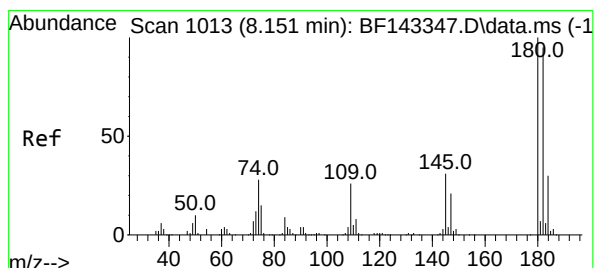
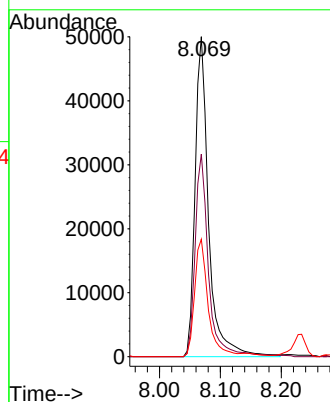
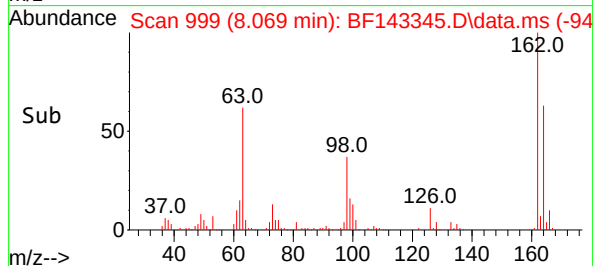


Tgt Ion:162	Resp:	77150
Ion Ratio	Lower	Upper
162	100	
164	63.3	44.5 84.5
98	36.7	17.7 57.7

Manual Integrations
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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#30

1,2,4-Trichlorobenzene

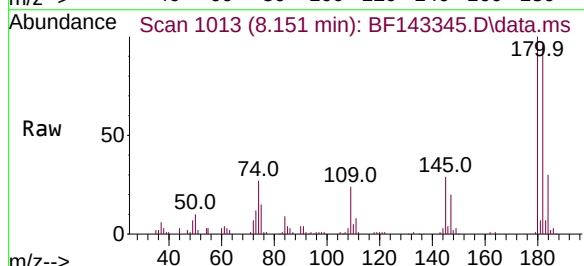
Concen: 10.274 ng

RT: 8.151 min Scan# 1013

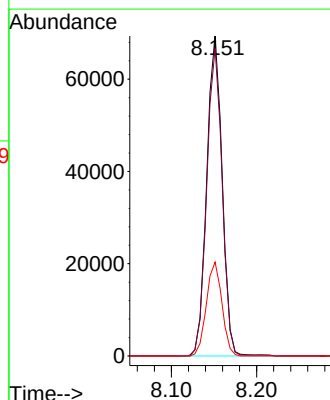
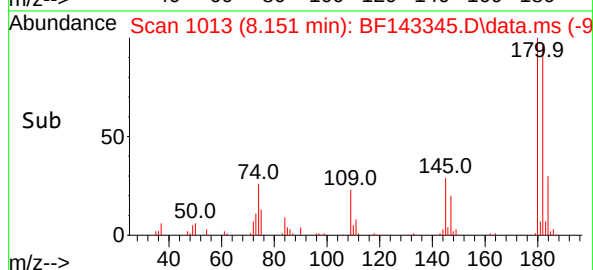
Delta R.T. -0.000 min

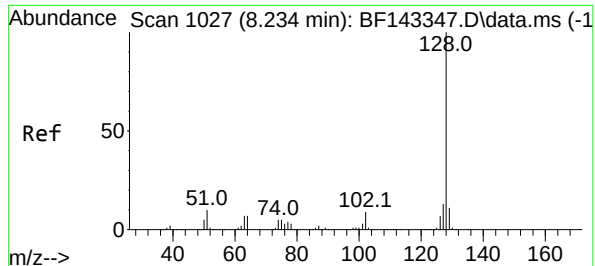
Lab File: BF143345.D

Acq: 12 Aug 2025 10:04



Tgt Ion:180	Resp:	87392
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.1 114.1
145	29.4	24.9 37.3





#31

Naphthalene

Concen: 10.634 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:128 Resp: 30890

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

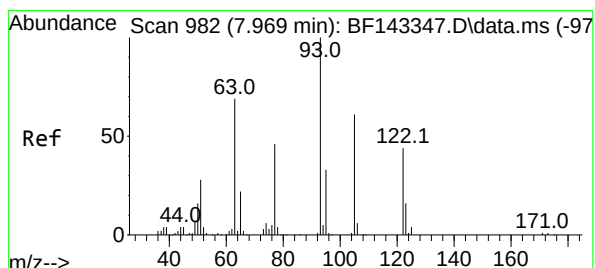
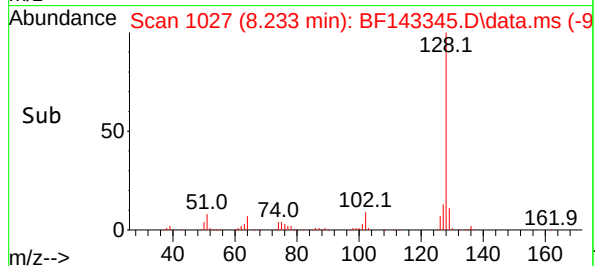
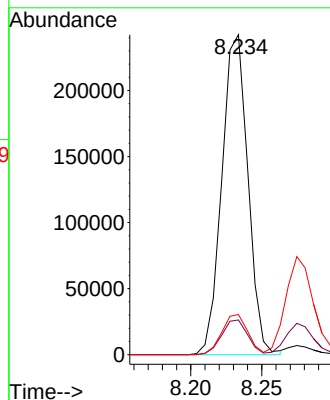
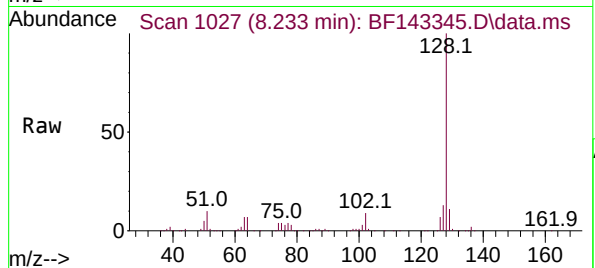
127 12.6 10.7 16.1

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#32

Benzoic acid

Concen: 10.319 ng m

RT: 7.939 min Scan# 977

Delta R.T. -0.030 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

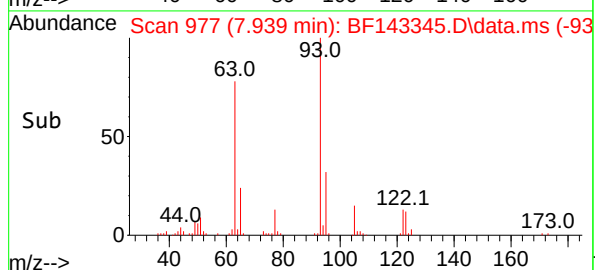
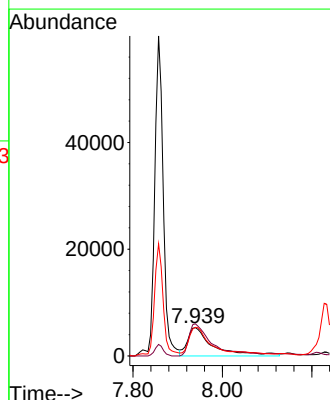
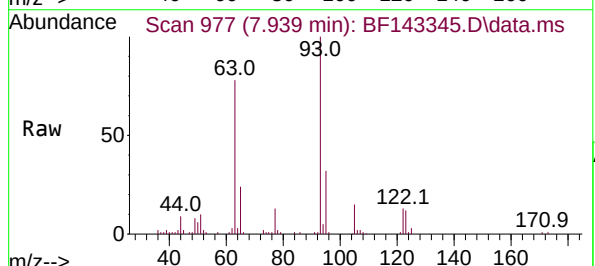
Tgt Ion:122 Resp: 20894

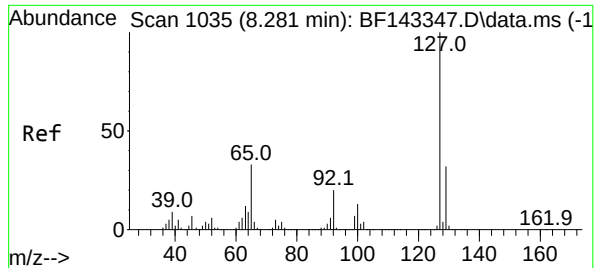
Ion Ratio Lower Upper

122 100

105 113.7 106.4 146.4

77 101.1 79.2 119.2





#33
4-Chloroaniline
Concen: 10.079 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

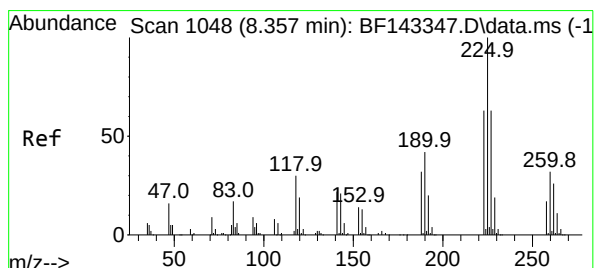
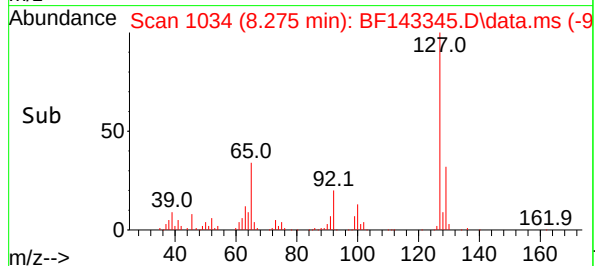
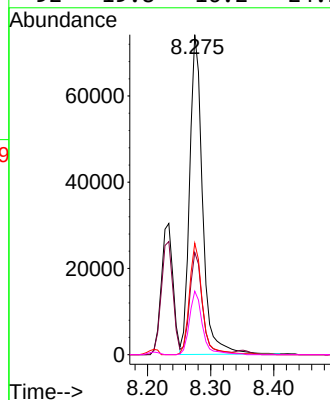
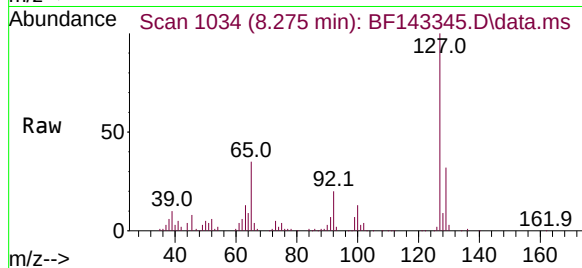
ClientSampleId :

SSTDICC010

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	34.8	27.0	40.4
92	19.8	16.2	24.2

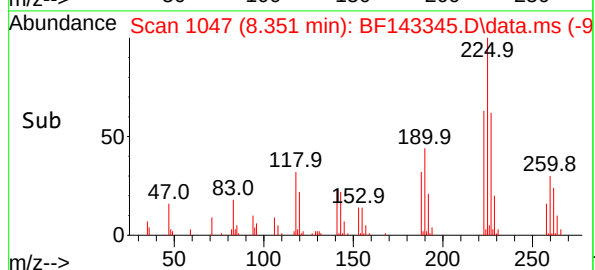
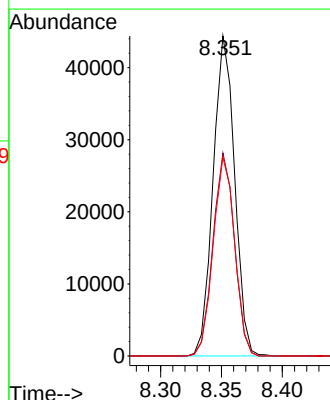
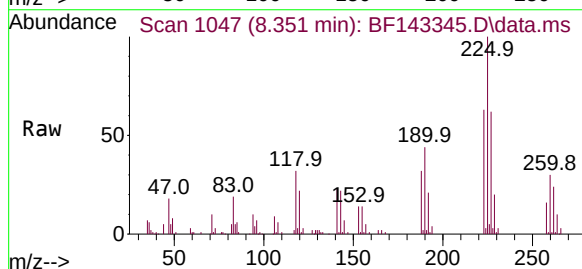
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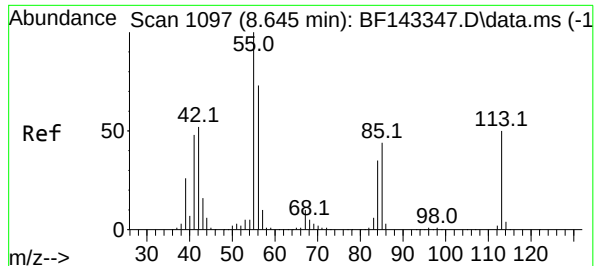
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#34
Hexachlorobutadiene
Concen: 10.321 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.1	75.1
227	62.1	50.6	75.8





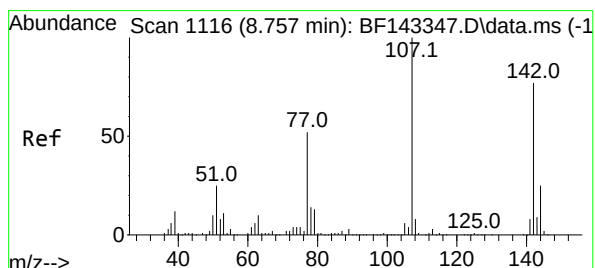
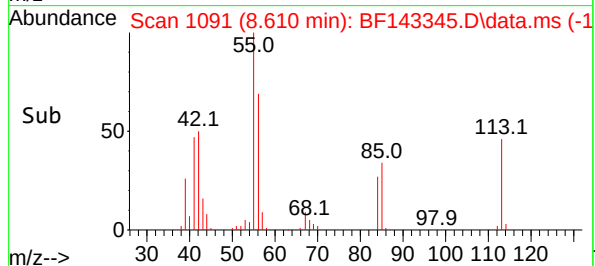
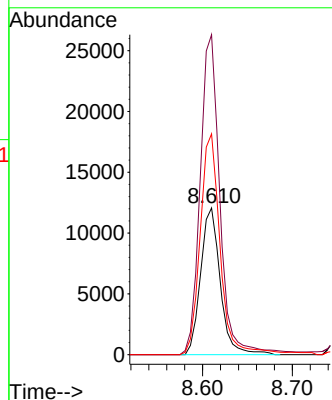
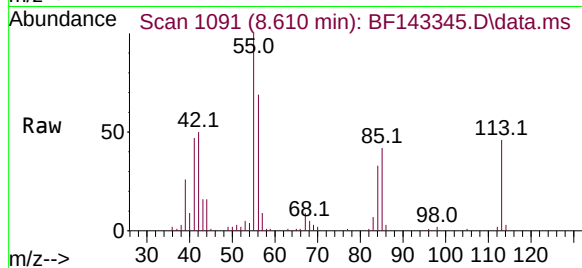
#35
Caprolactam
Concen: 8.098 ng
RT: 8.610 min Scan# 1091
Delta R.T. -0.035 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 1835
Ion Ratio Lower Upper
113 100
55 218.1 181.4 221.4
56 150.5 127.3 167.3

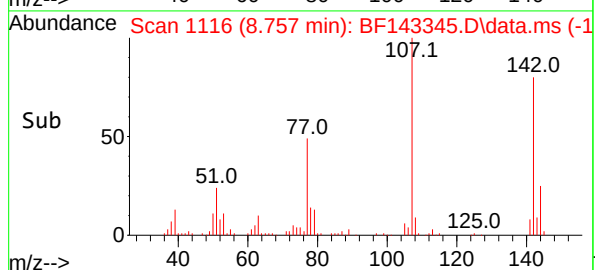
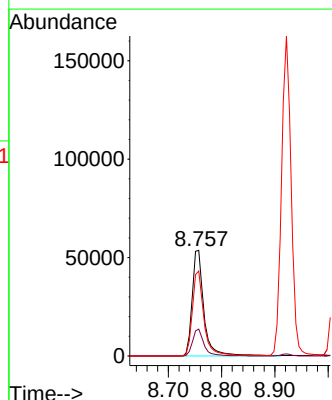
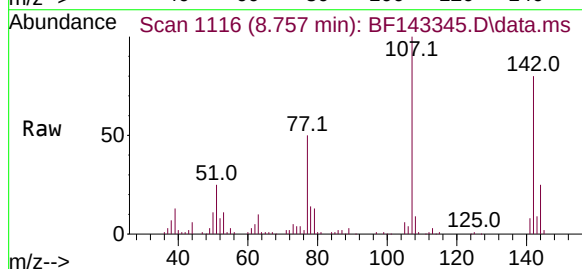
Manual Integrations
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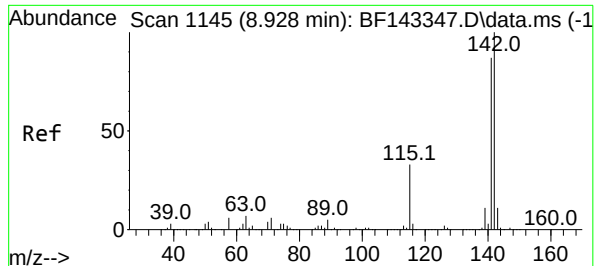
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#36
4-Chloro-3-methylphenol
Concen: 9.780 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 82681
Ion Ratio Lower Upper
107 100
144 25.4 20.0 30.0
142 80.4 61.3 91.9





#37

2-Methylnaphthalene

Concen: 10.641 ng

RT: 8.922 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:142 Resp: 20320

Ion Ratio Lower Upper

142 100

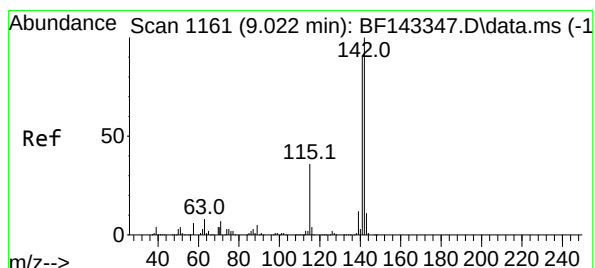
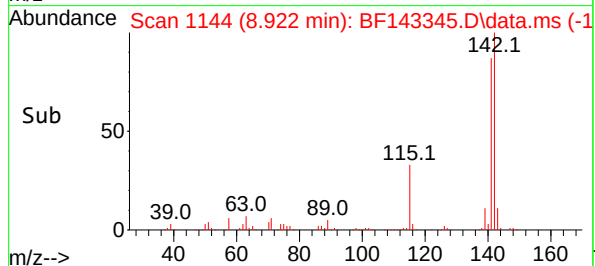
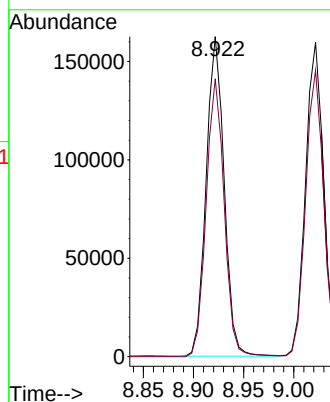
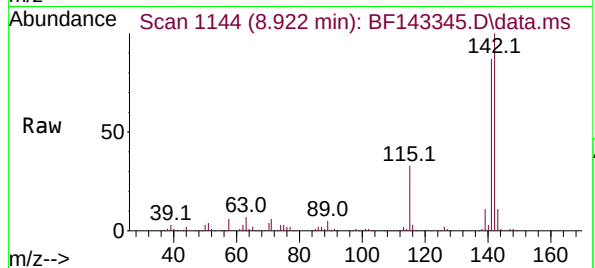
141 86.9 69.8 104.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#38

1-Methylnaphthalene

Concen: 10.738 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF143345.D

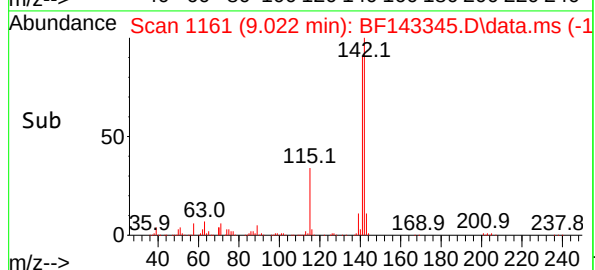
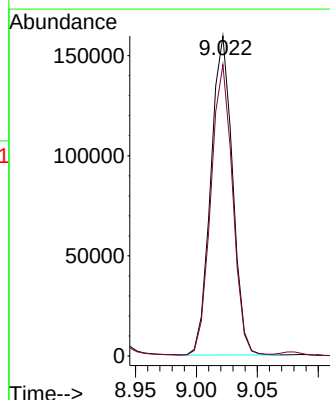
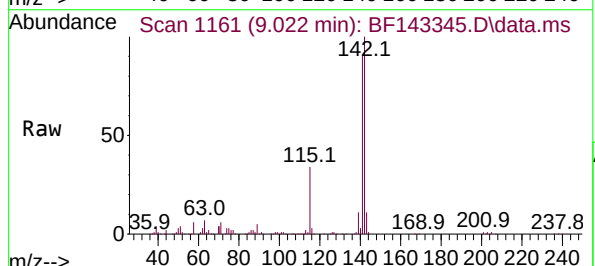
Acq: 12 Aug 2025 10:04

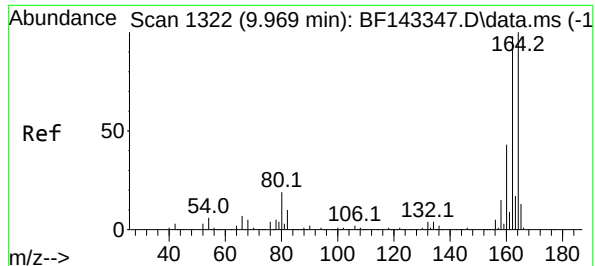
Tgt Ion:142 Resp: 197497

Ion Ratio Lower Upper

142 100

141 91.0 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF143345.D

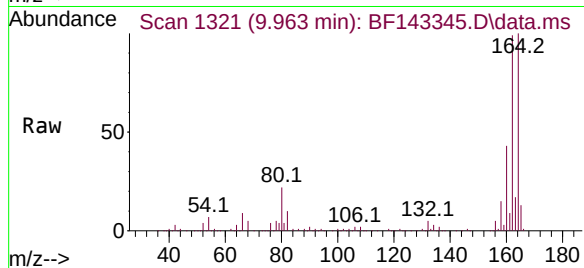
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



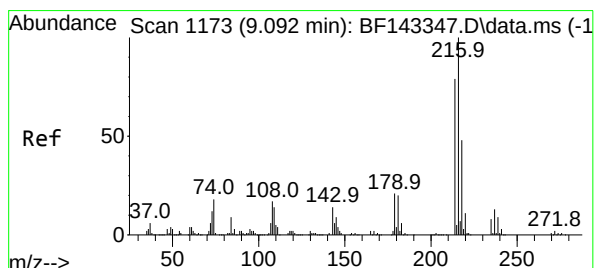
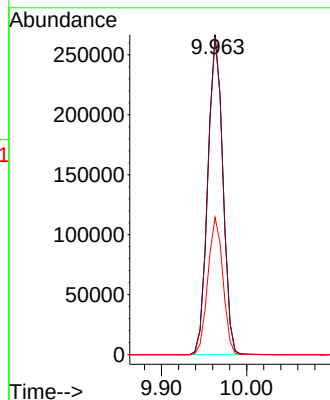
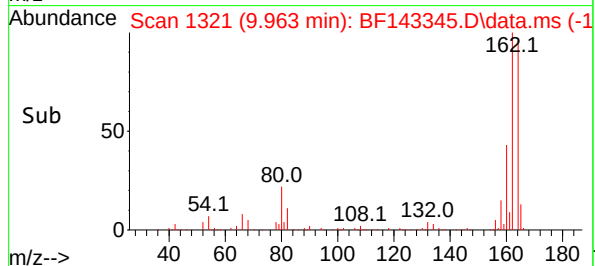
Tgt Ion:	164	Resp:	32630
Ion Ratio	100	Lower	Upper
164	100		
162	99.3	78.6	118.0
160	42.9	34.4	51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#40

1,2,4,5-Tetrachlorobenzene

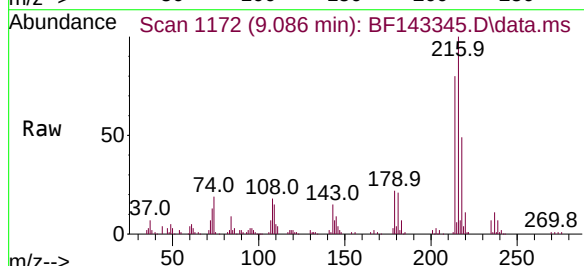
Concen: 10.338 ng

RT: 9.086 min Scan# 1172

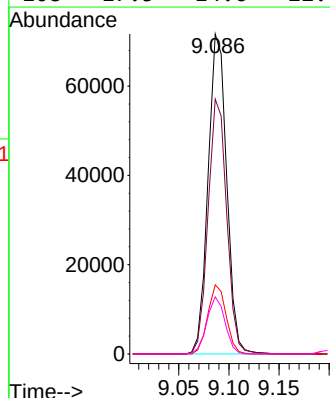
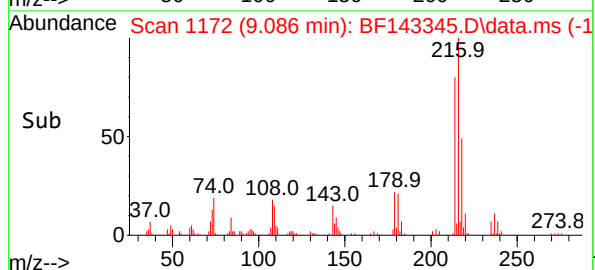
Delta R.T. -0.006 min

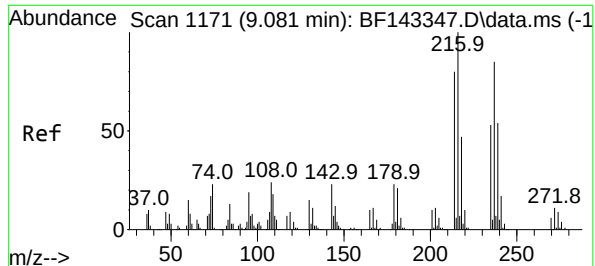
Lab File: BF143345.D

Acq: 12 Aug 2025 10:04



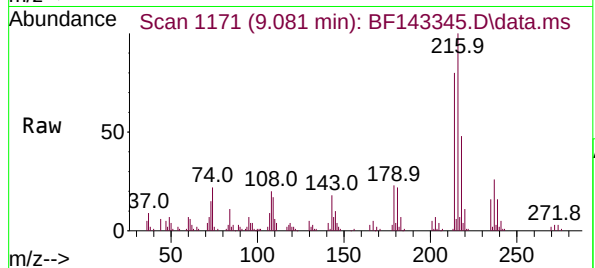
Tgt Ion:	216	Resp:	92307
Ion Ratio	100	Lower	Upper
216	100		
214	79.7	63.0	94.4
179	21.3	17.0	25.4
108	17.5	14.6	22.0





#41
Hexachlorocyclopentadiene
Concen: 10.801 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

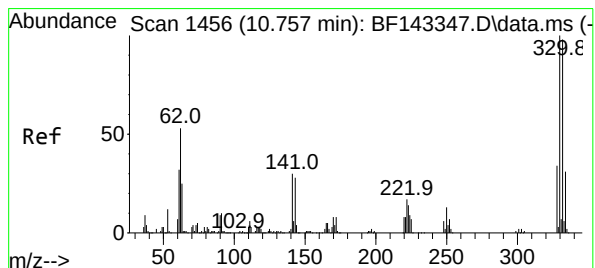
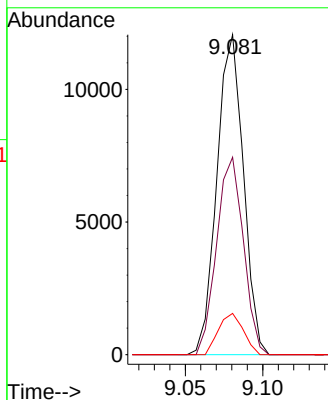
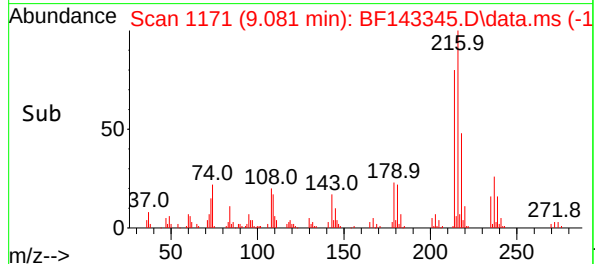
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



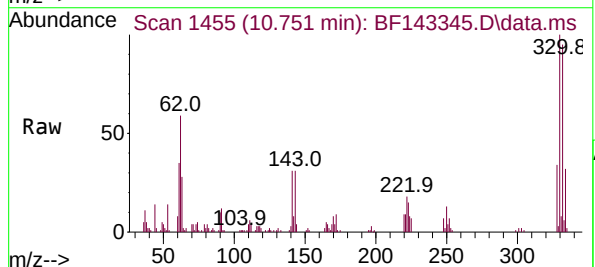
Tgt Ion: 237 Resp: 1434
Ion Ratio Lower Upper
237 100
235 61.7 42.0 82.0
272 12.9 0.0 32.6

Manual Integrations
APPROVED

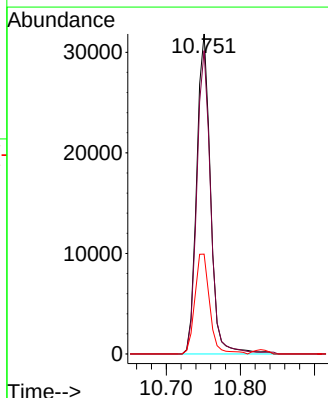
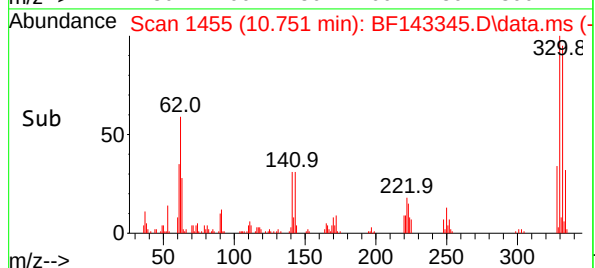
Reviewed By : Rahul Chavli 08/13/2025
Supervised By : Jagrut Upadhyay 08/13/2025

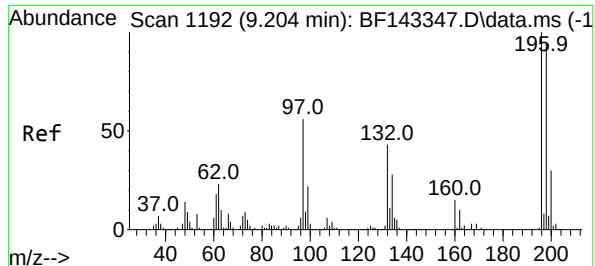


#42
2,4,6-Tribromophenol
Concen: 17.317 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion: 330 Resp: 41296
Ion Ratio Lower Upper
330 100
332 94.7 78.1 117.1
141 33.4 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 8.769 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:196 Resp: 44424

Ion Ratio Lower Upper

196 100

198 96.0 75.4 113.0

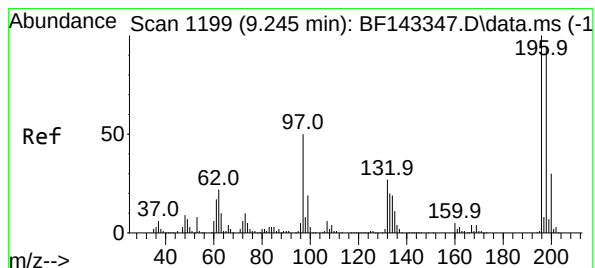
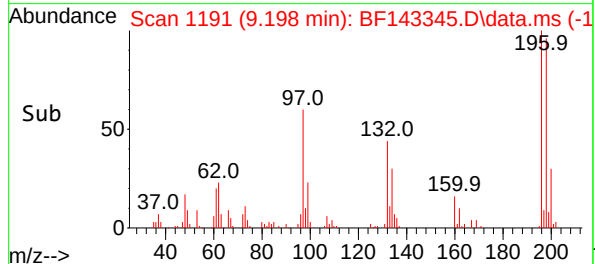
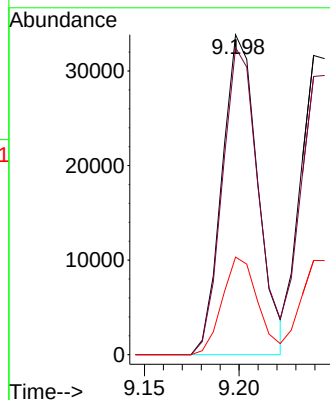
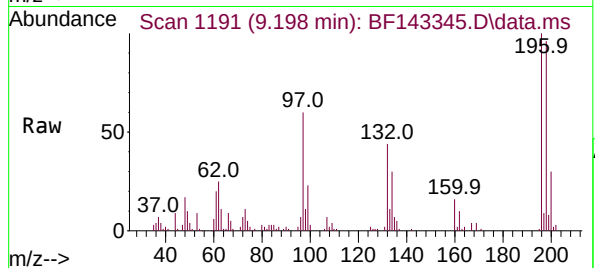
200 30.5 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#44

2,4,5-Trichlorophenol

Concen: 8.786 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:196 Resp: 50263

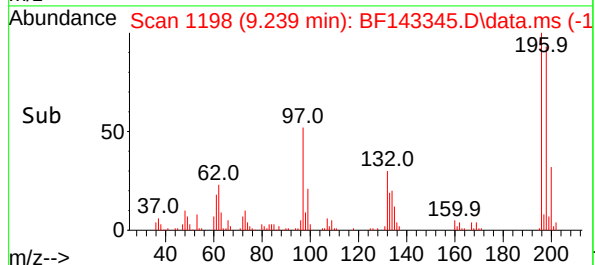
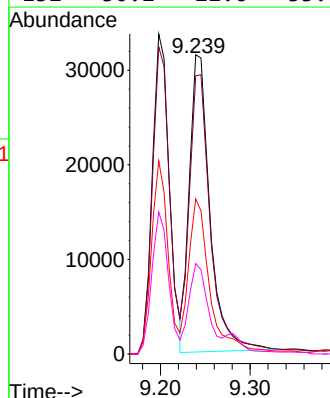
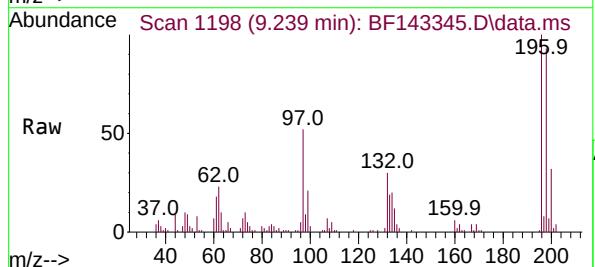
Ion Ratio Lower Upper

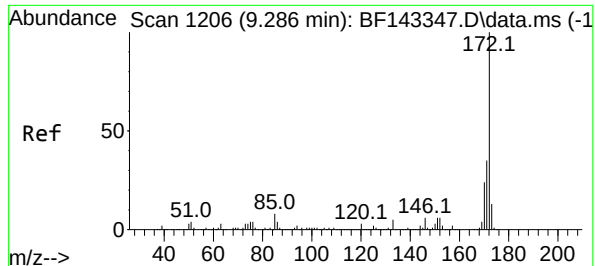
196 100

198 93.0 75.4 113.2

97 51.8 39.9 59.9

132 30.2 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 22.583 ng

RT: 9.280 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

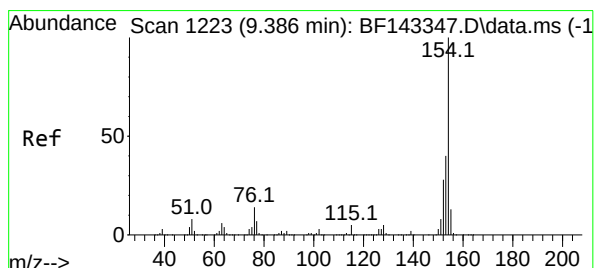
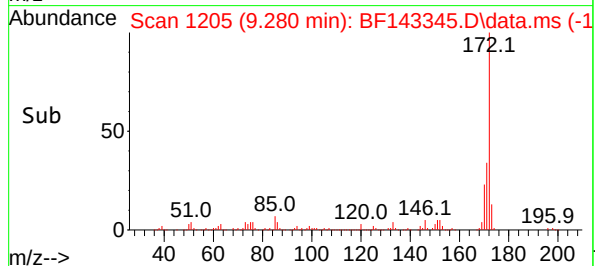
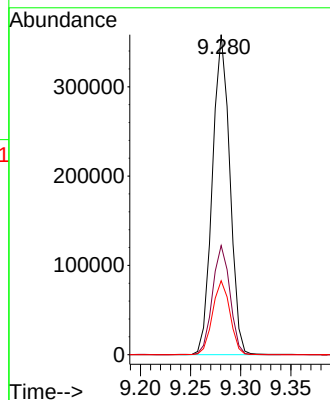
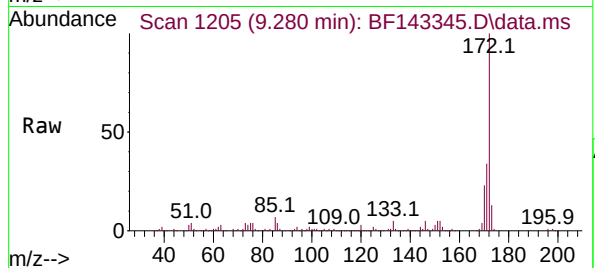
Tgt Ion:172	Resp: 434554
Ion Ratio	Lower Upper
172	100
171	34.1 28.4 42.6
170	23.1 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#46

1,1'-Biphenyl

Concen: 10.647 ng

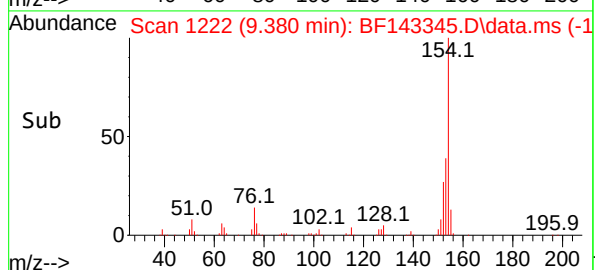
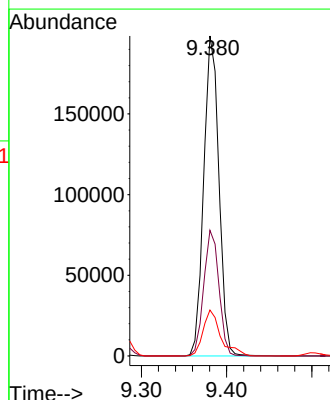
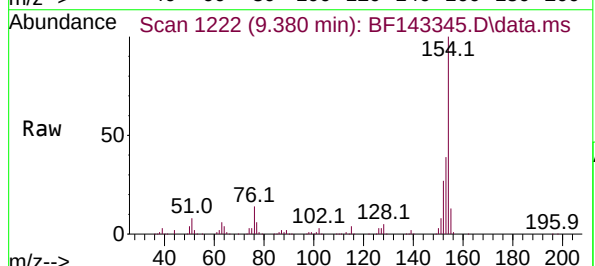
RT: 9.380 min Scan# 1222

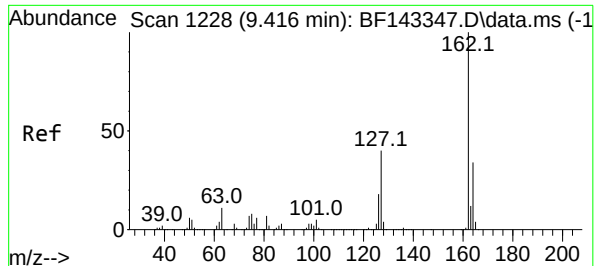
Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:154	Resp: 245641
Ion Ratio	Lower Upper
154	100
153	39.3 20.2 60.2
76	14.4 0.0 34.4





#47

2-Chloronaphthalene

Concen: 10.556 ng

RT: 9.410 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

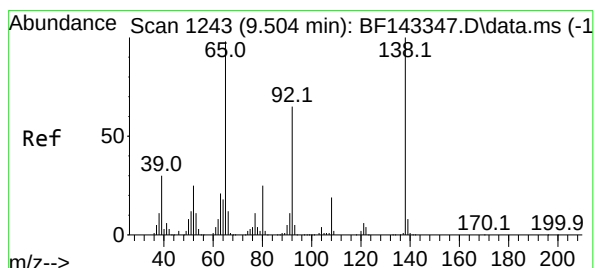
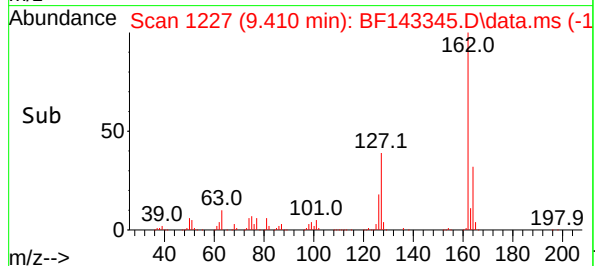
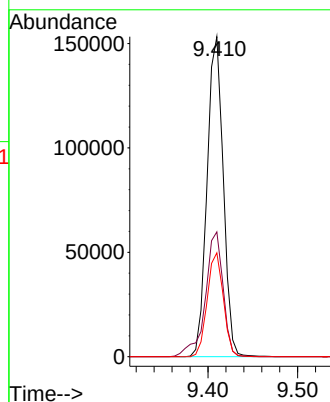
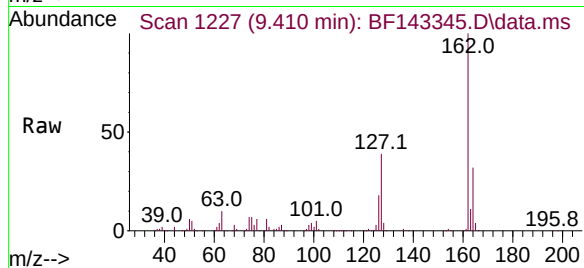
Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:	162	Resp:	191809
Ion Ratio	Lower	Upper	
162	100		
127	39.0	32.1	48.1
164	32.5	27.0	40.4

Manual Integrations
APPROVEDReviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

#48

2-Nitroaniline

Concen: 9.319 ng

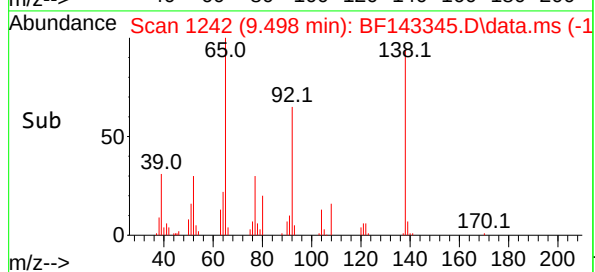
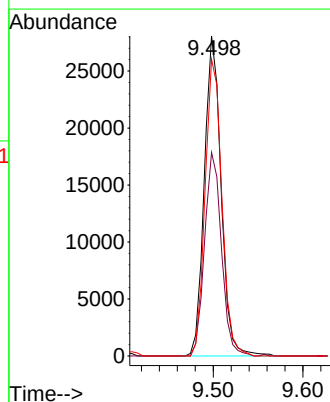
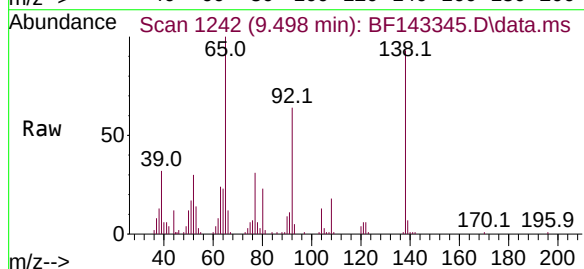
RT: 9.498 min Scan# 1242

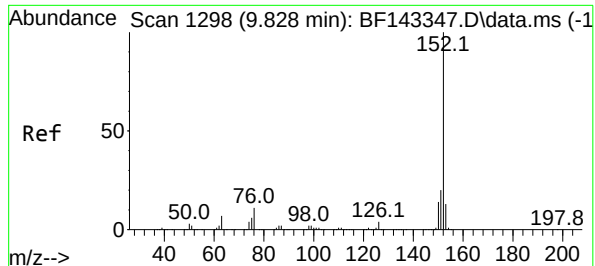
Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:	65	Resp:	36444
Ion Ratio	Lower	Upper	
65	100		
92	63.6	53.1	79.7
138	92.7	81.4	122.0





#49

Acenaphthylene

Concen: 10.459 ng

RT: 9.822 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:152 Resp: 27444

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

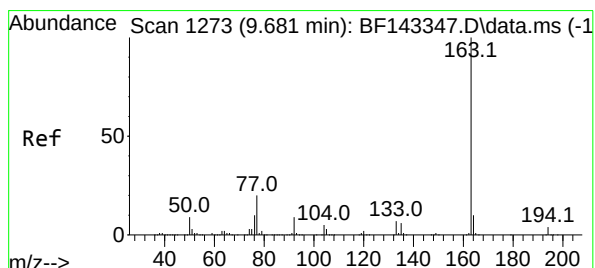
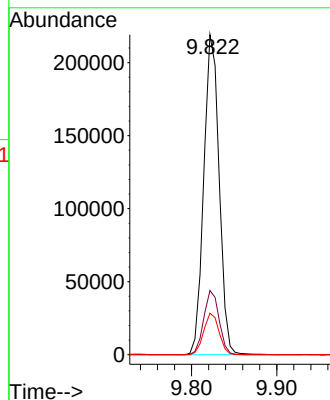
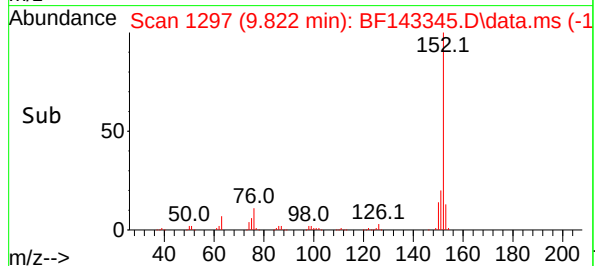
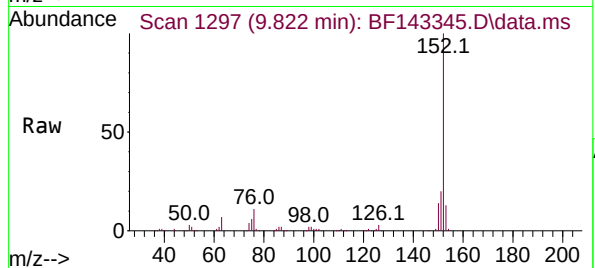
153 13.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#50

Dimethylphthalate

Concen: 10.081 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

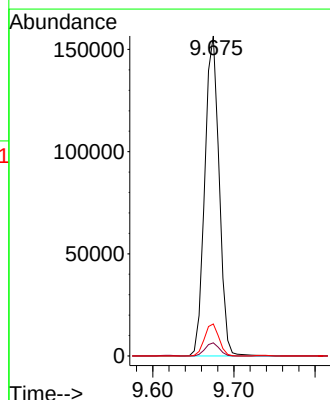
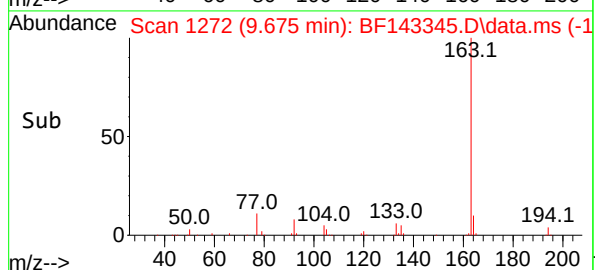
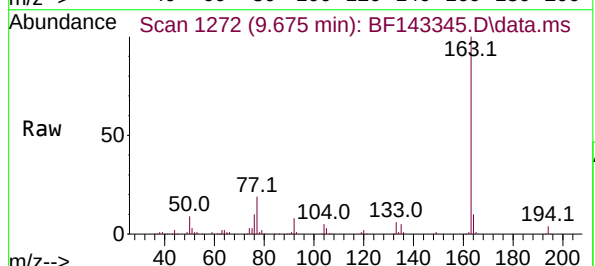
Tgt Ion:163 Resp: 192210

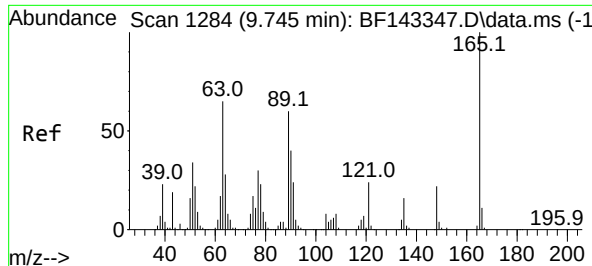
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

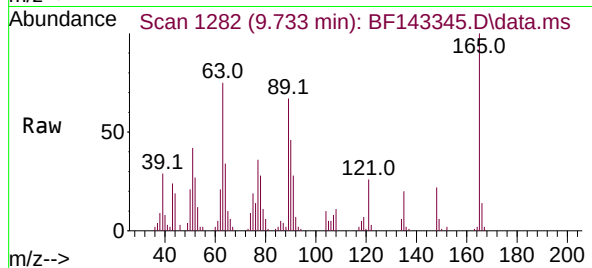
164 10.0 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 9.205 ng
RT: 9.733 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

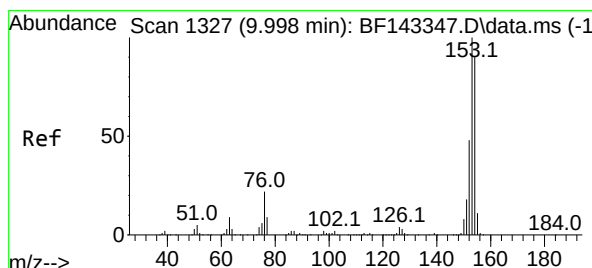
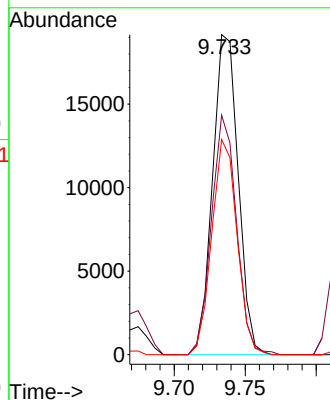
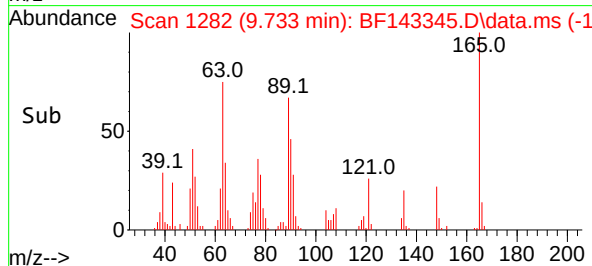
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



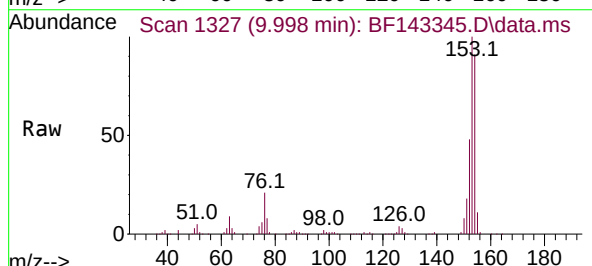
Tgt Ion:165 Resp: 2400
Ion Ratio Lower Upper
165 100
63 74.8 51.6 77.4
89 67.3 47.7 71.5

Manual Integrations
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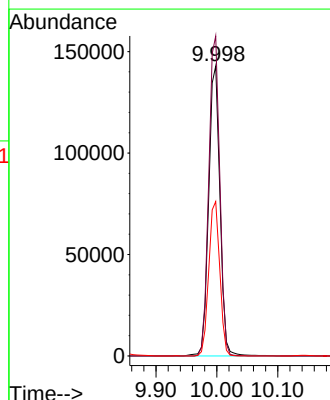
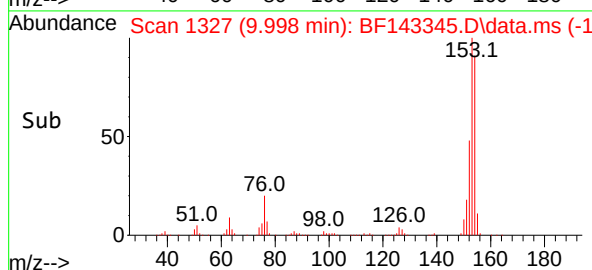
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

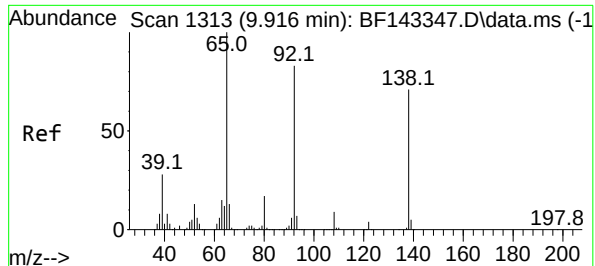


#52
Acenaphthene
Concen: 10.543 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:154 Resp: 183915
Ion Ratio Lower Upper
154 100
153 110.3 88.5 132.7
152 53.3 42.4 63.6





#53

3-Nitroaniline

Concen: 8.069 ng

RT: 9.904 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

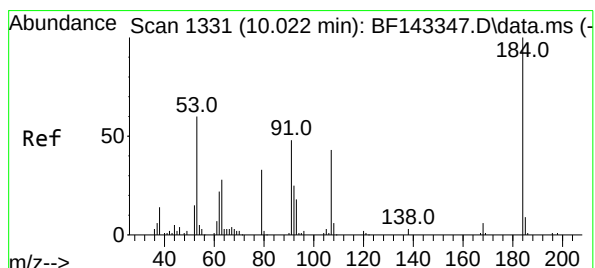
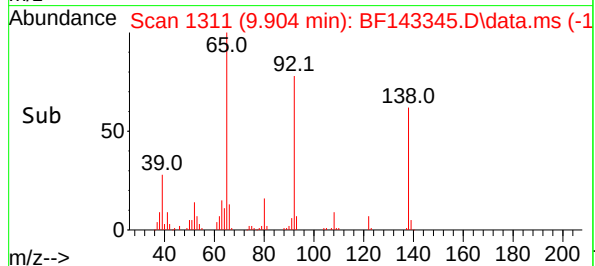
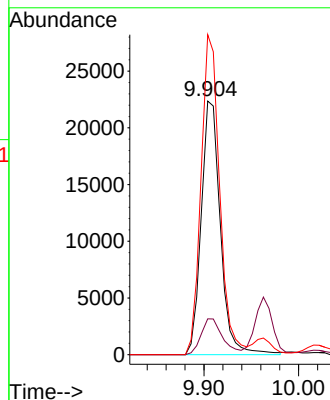
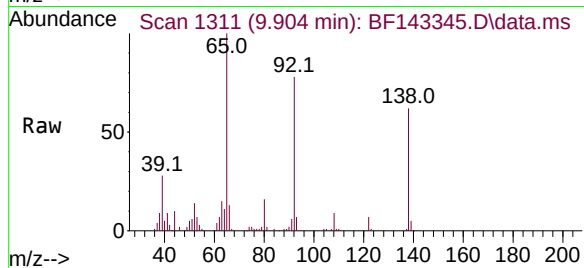
Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion	Ratio	Lower	Upper
138	100		
108	14.1	9.6	14.4
92	126.2	93.4	140.2

Manual Integrations
APPROVEDReviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

#54

2,4-Dinitrophenol

Concen: 10.356 ng

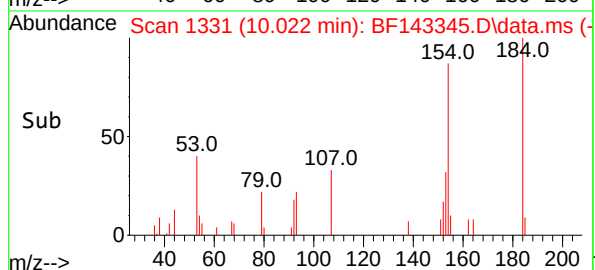
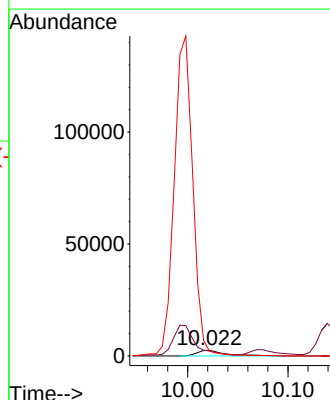
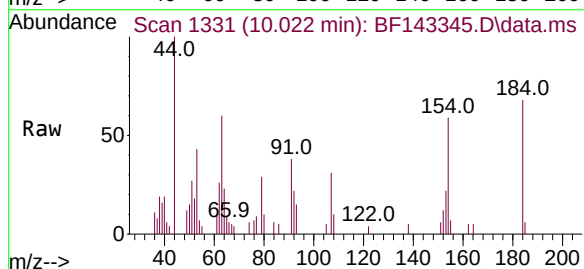
RT: 10.022 min Scan# 1331

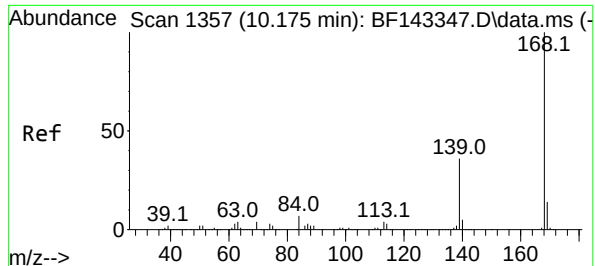
Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion	Ratio	Lower	Upper
184	100		
63	88.5	62.5	93.7
154	87.3	73.0	109.4





#55

Dibenzenofuran

Concen: 10.660 ng

RT: 10.169 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143345.D

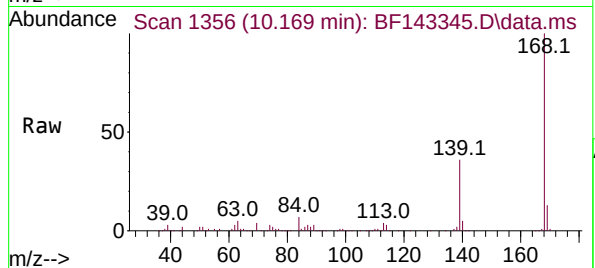
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:168 Resp: 26765

Ion Ratio Lower Upper

168 100

139 36.0 29.4 44.0

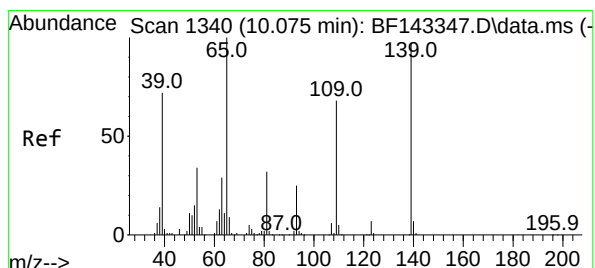
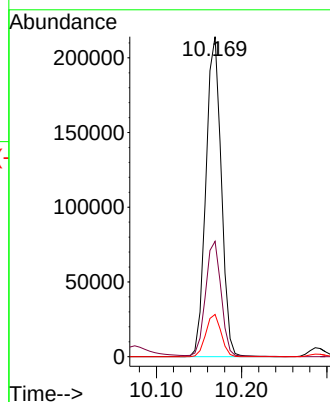
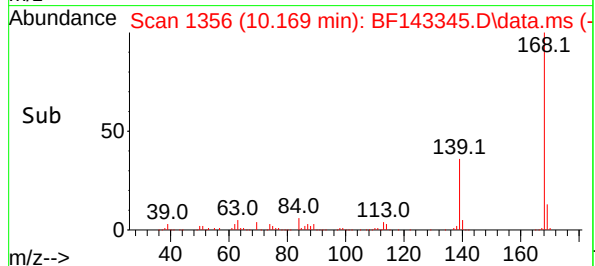
169 13.2 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#56

4-Nitrophenol

Concen: 10.166 ng

RT: 10.075 min Scan# 1340

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

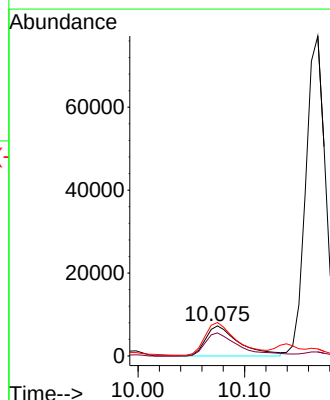
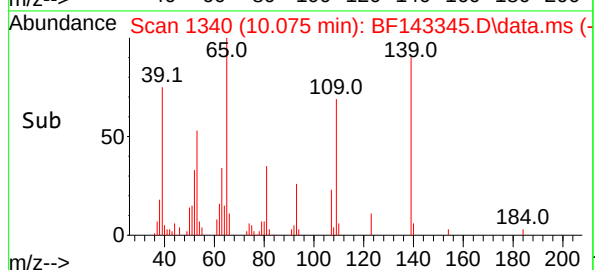
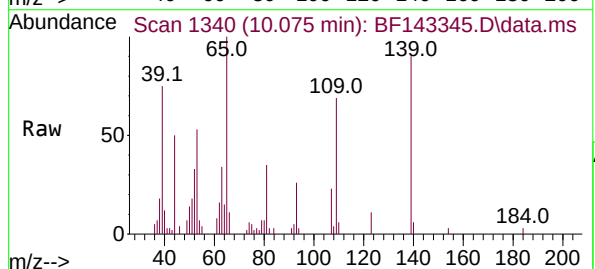
Tgt Ion:139 Resp: 15708

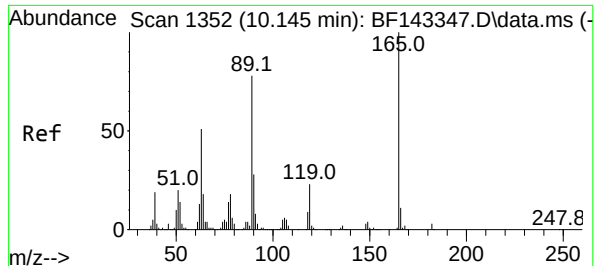
Ion Ratio Lower Upper

139 100

109 76.4 49.4 89.4

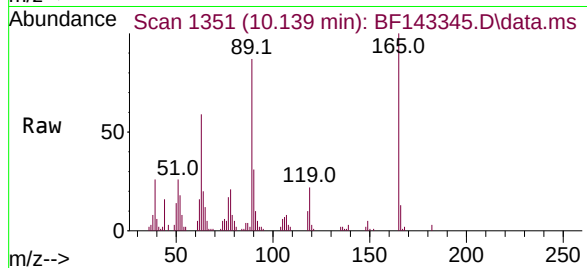
65 111.1 83.7 123.7





#57
2,4-Dinitrotoluene
Concen: 9.126 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

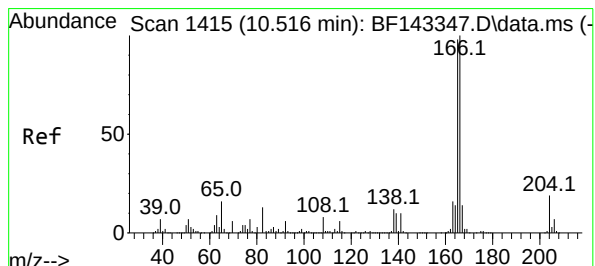
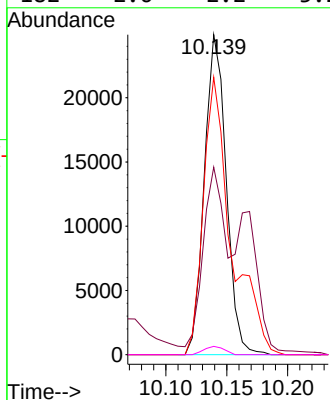
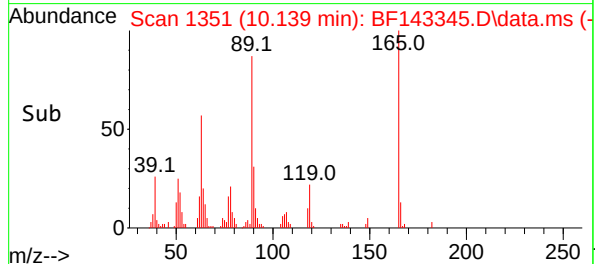
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 31220
Ion Ratio Lower Upper
165 100
63 58.6 41.8 62.8
89 86.7 62.4 93.6
182 2.6 2.2 3.2

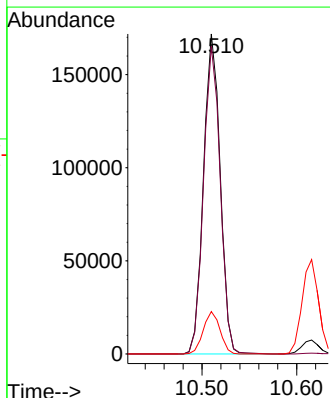
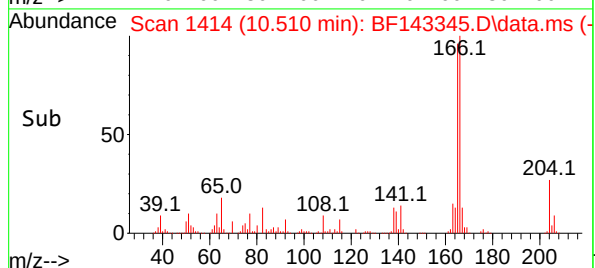
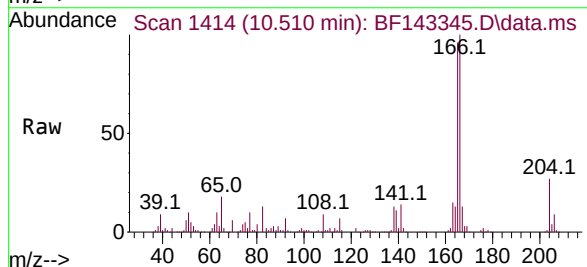
Manual Integrations
APPROVED

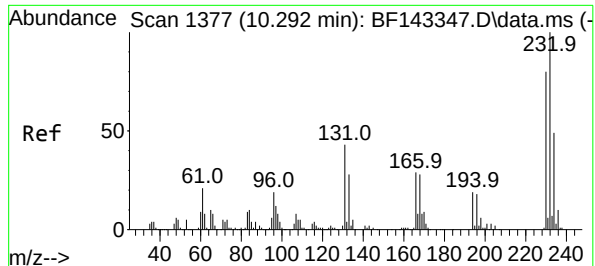
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#58
Fluorene
Concen: 10.959 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

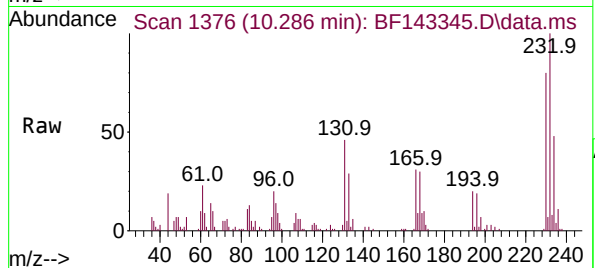
Tgt Ion:166 Resp: 210161
Ion Ratio Lower Upper
166 100
165 96.1 78.2 117.4
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.955 ng
RT: 10.286 min Scan# 1376
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

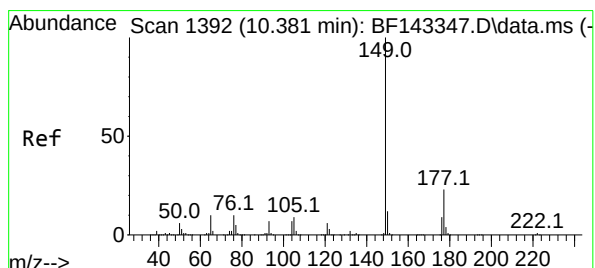
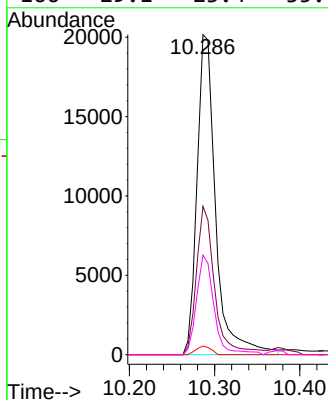
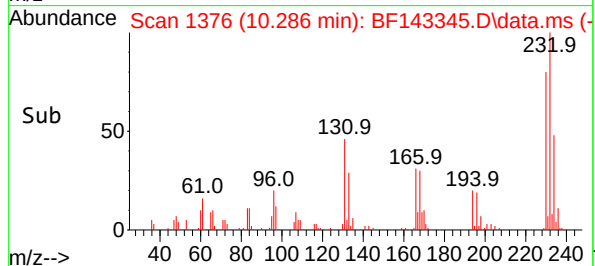
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



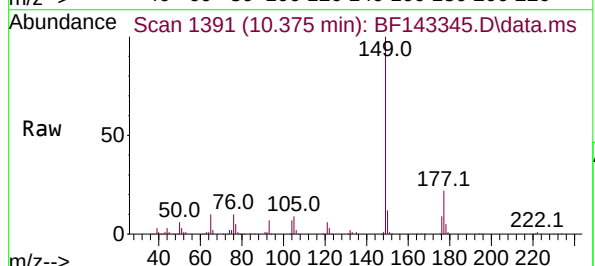
Tgt Ion:232 Resp: 3068
Ion Ratio Lower Upper
232 100
131 45.6 34.6 51.8
130 2.1 1.7 2.5
166 29.1 23.4 35.0

Manual Integrations
APPROVED

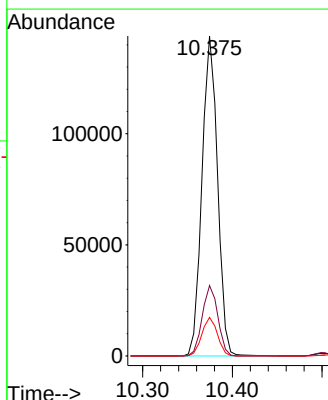
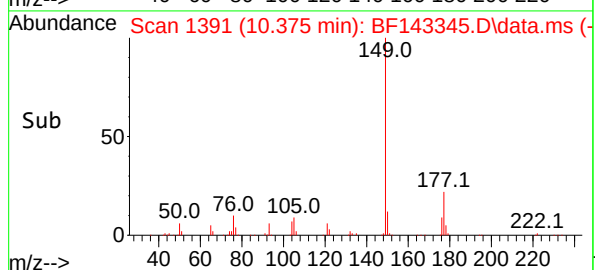
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

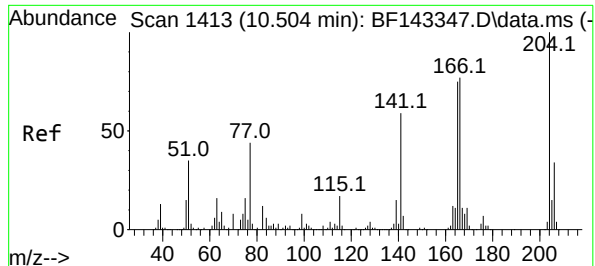


#60
Diethylphthalate
Concen: 10.137 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



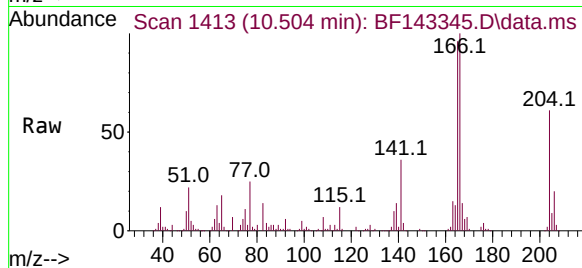
Tgt Ion:149 Resp: 173119
Ion Ratio Lower Upper
149 100
177 22.0 18.2 27.2
150 12.0 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 10.575 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

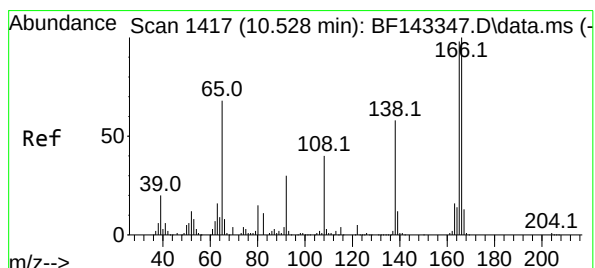
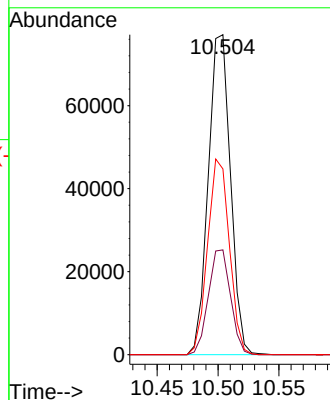
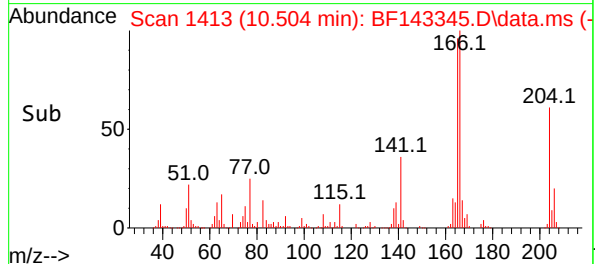
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:204 Resp: 97989
Ion Ratio Lower Upper
204 100
206 32.7 27.4 41.2
141 58.0 46.9 70.3

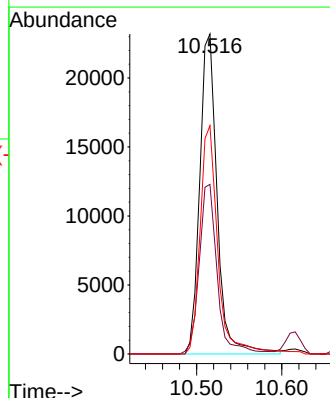
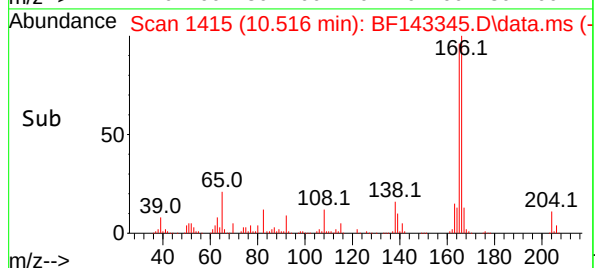
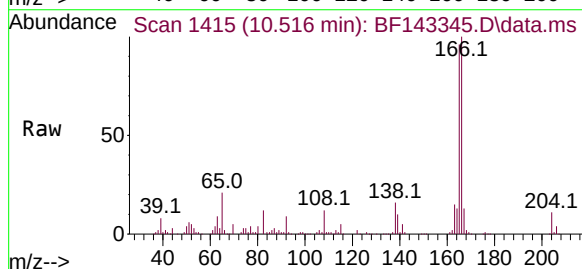
Manual Integrations
APPROVED

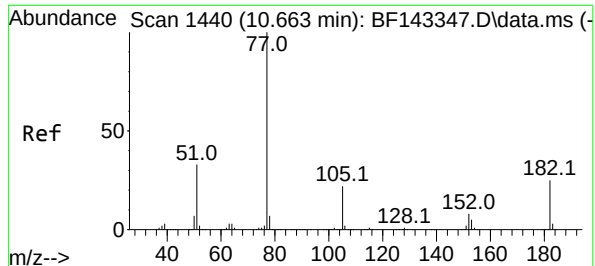
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#62
4-Nitroaniline
Concen: 8.714 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

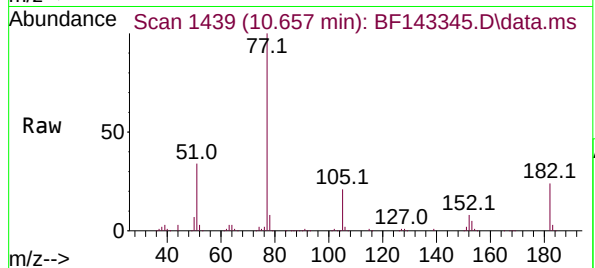
Tgt Ion:138 Resp: 32919
Ion Ratio Lower Upper
138 100
92 53.0 31.2 71.2
108 71.4 48.1 88.1





#63
Azobenzene
Concen: 10.272 ng
RT: 10.657 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

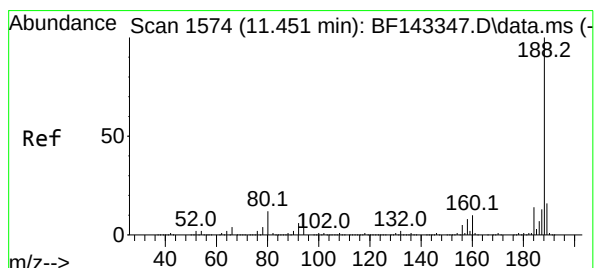
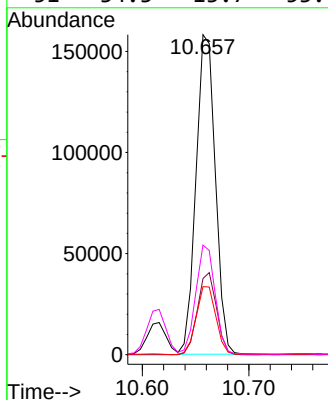
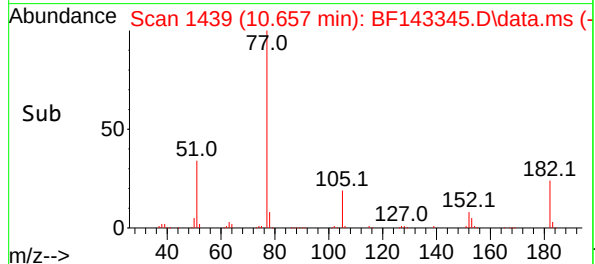
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



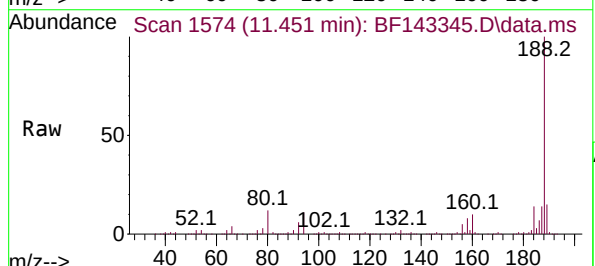
Tgt Ion: 77 Resp: 20036
Ion Ratio Lower Upper
77 100
182 23.8 4.4 44.4
105 21.3 1.8 41.8
51 34.3 13.7 53.7

Manual Integrations
APPROVED

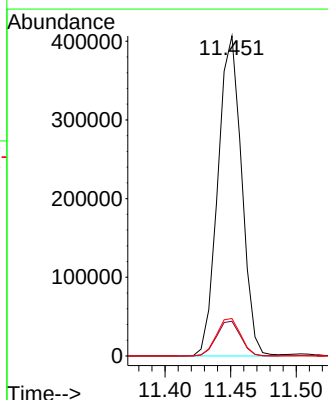
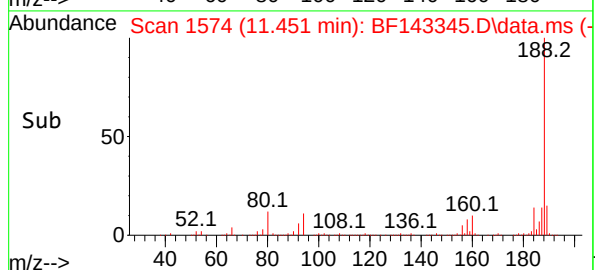
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

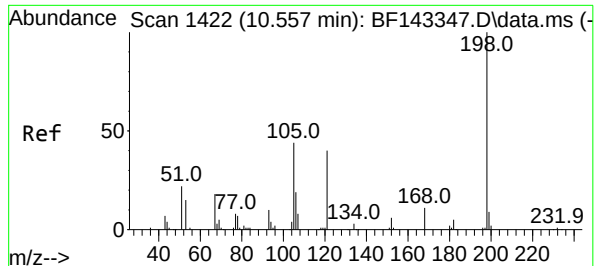


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:188 Resp: 511556
Ion Ratio Lower Upper
188 100
94 10.8 8.8 13.2
80 11.7 9.7 14.5





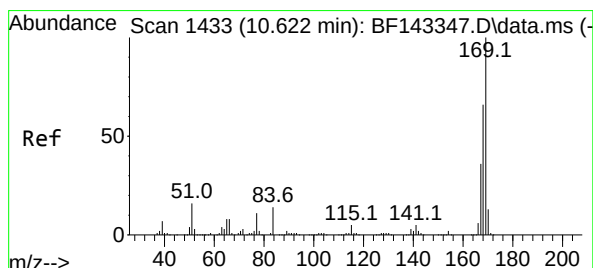
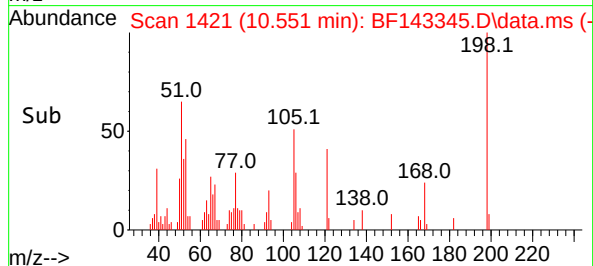
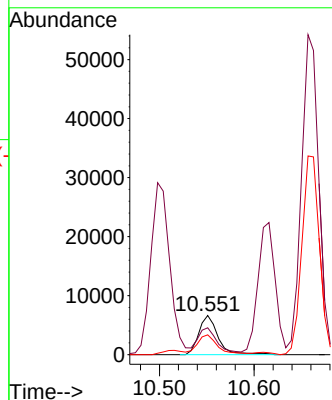
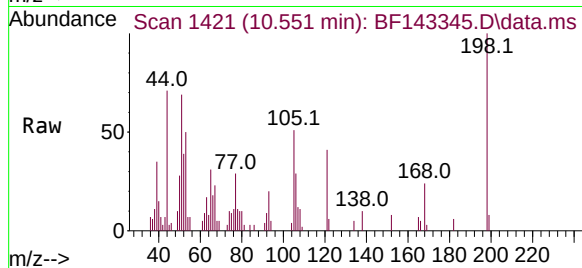
#65
4,6-Dinitro-2-methylphenol
Concen: 11.085 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 932
Ion Ratio Lower Upper
198 100
51 68.6 41.7 81.7
105 50.8 26.8 66.8

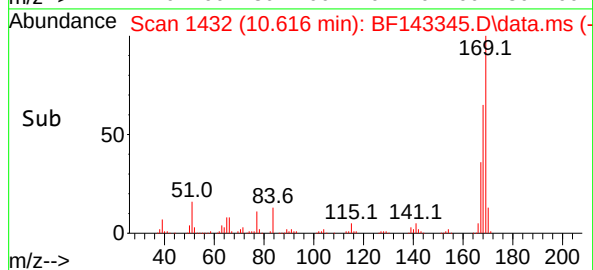
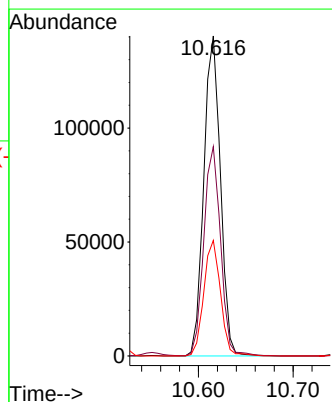
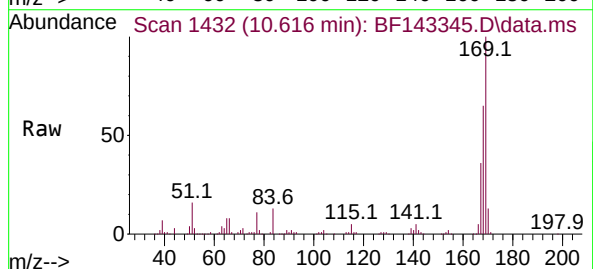
Manual Integrations
APPROVED

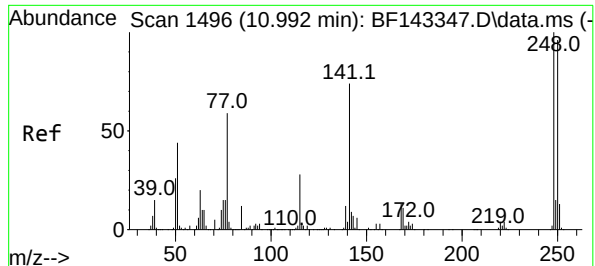
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#66
n-Nitrosodiphenylamine
Concen: 10.169 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

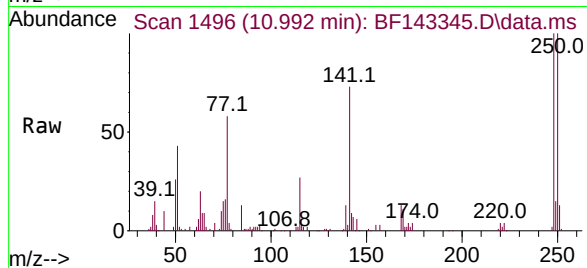
Tgt Ion:169 Resp: 171289
Ion Ratio Lower Upper
169 100
168 65.4 52.7 79.1
167 36.1 28.6 42.8





#67
4-Bromophenyl-phenylether
Concen: 9.712 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

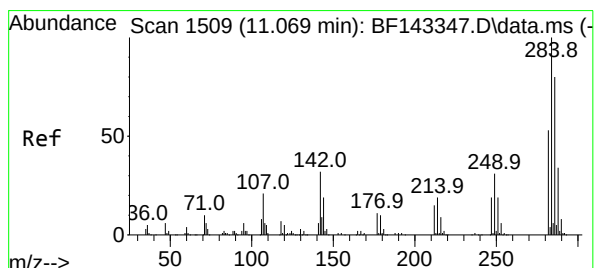
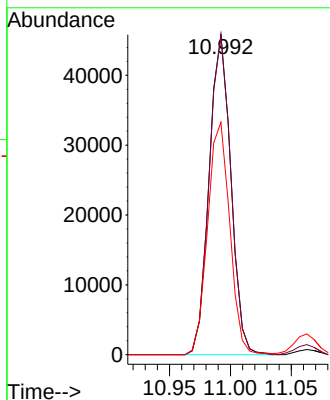
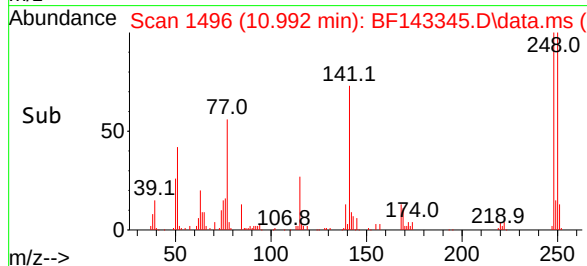
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



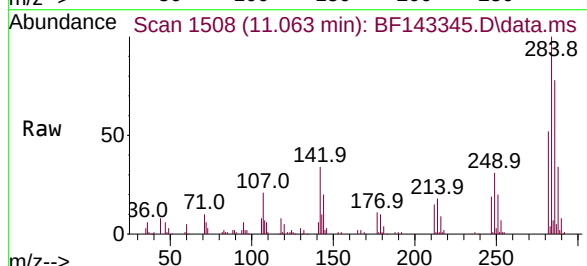
Tgt Ion:248 Resp: 56818
Ion Ratio Lower Upper
248 100
250 99.7 77.1 115.7
141 72.6 59.1 88.7

Manual Integrations
APPROVED

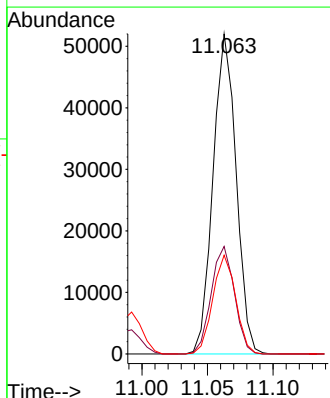
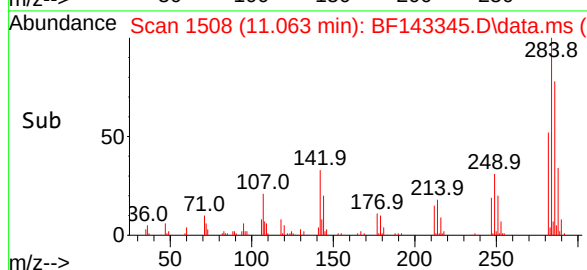
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

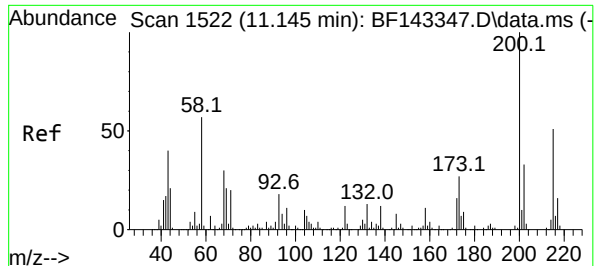


#68
Hexachlorobenzene
Concen: 10.091 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:284 Resp: 63639
Ion Ratio Lower Upper
284 100
142 33.6 25.7 38.5
249 30.9 24.6 37.0





#69

Atrazine

Concen: 9.133 ng

RT: 11.139 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:200 Resp: 40124

Ion Ratio Lower Upper

200 100

173 26.8 6.6 46.6

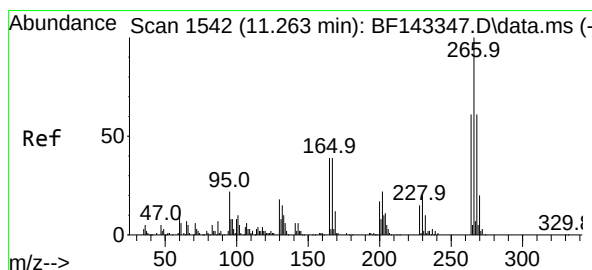
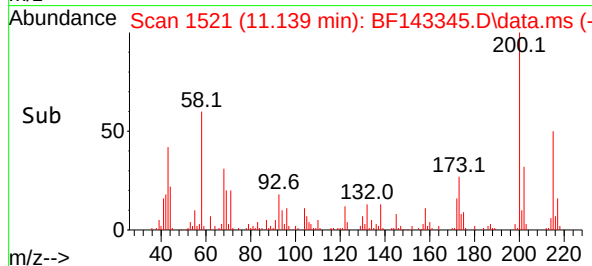
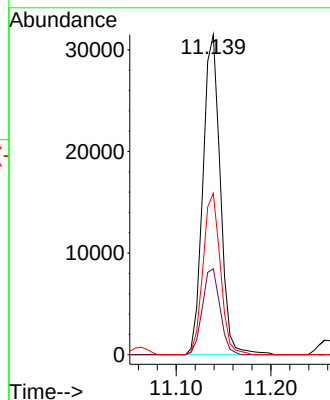
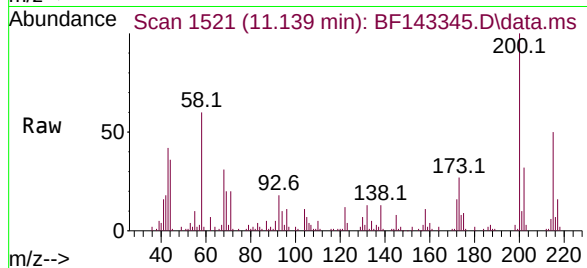
215 50.5 30.6 70.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#70

Pentachlorophenol

Concen: 10.407 ng

RT: 11.257 min Scan# 1541

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

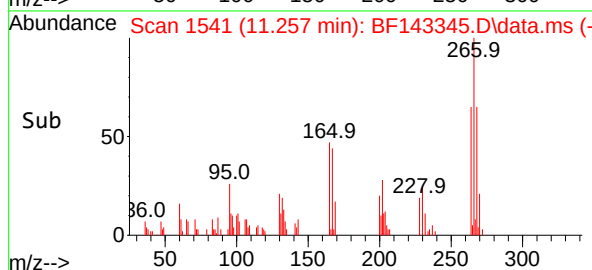
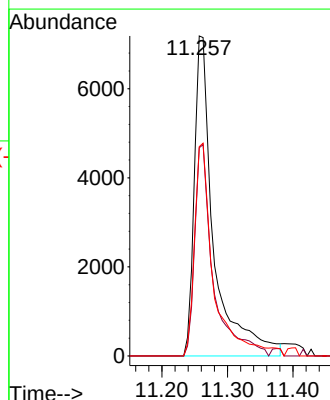
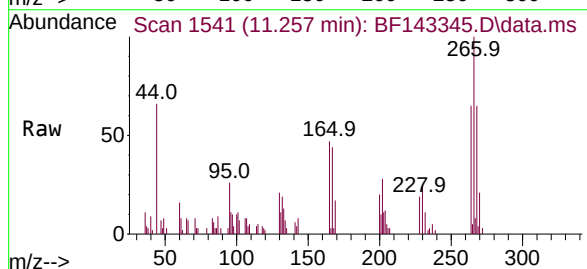
Tgt Ion:266 Resp: 14951

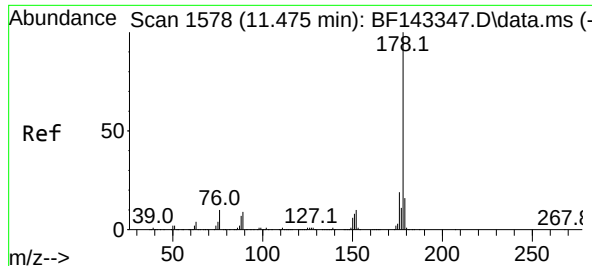
Ion Ratio Lower Upper

266 100

268 65.0 48.8 73.2

264 65.4 48.8 73.2





#71

Phenanthrene

Concen: 10.620 ng

RT: 11.474 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:178 Resp: 296410

Ion Ratio Lower Upper

178 100

176 18.5 15.5 23.3

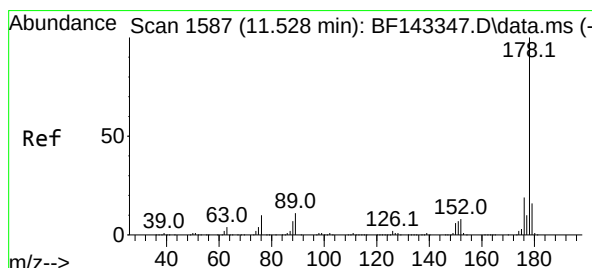
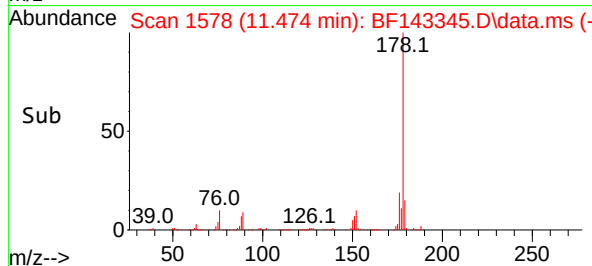
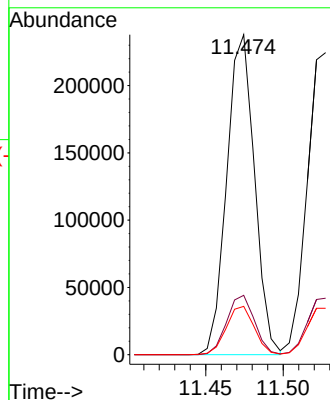
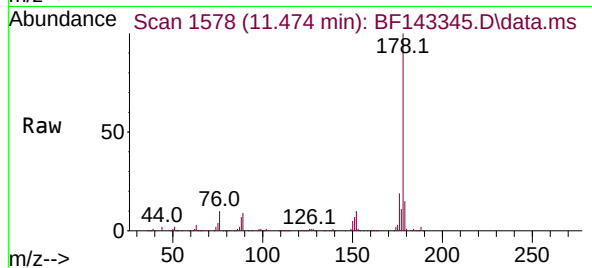
179 15.1 12.5 18.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#72

Anthracene

Concen: 10.559 ng

RT: 11.527 min Scan# 1587

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

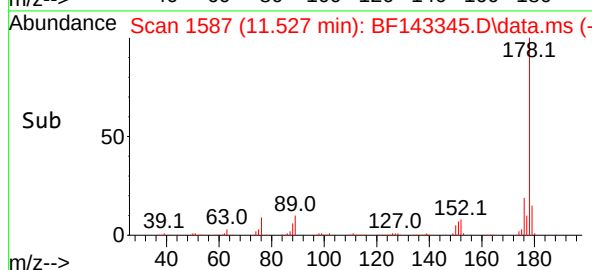
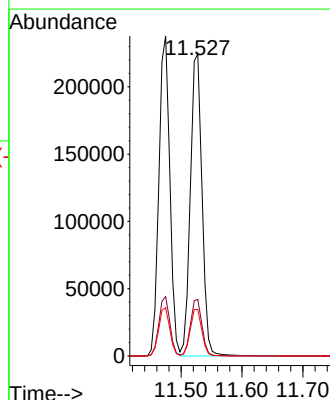
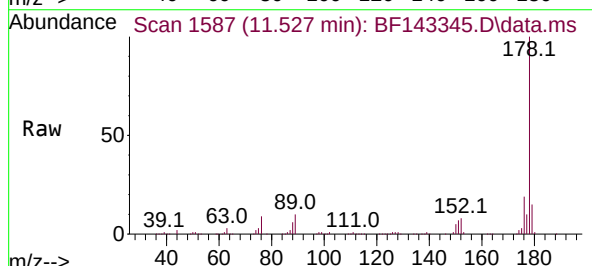
Tgt Ion:178 Resp: 298872

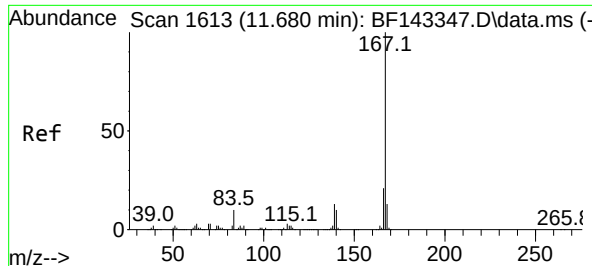
Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

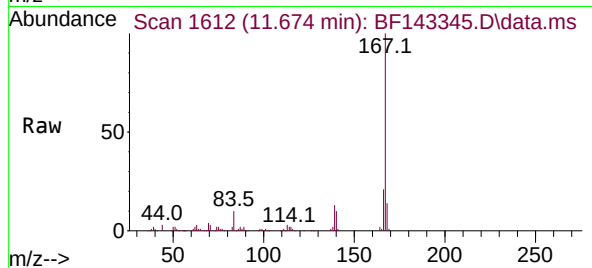
179 15.4 12.7 19.1





#73
Carbazole
Concen: 10.613 ng
RT: 11.674 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

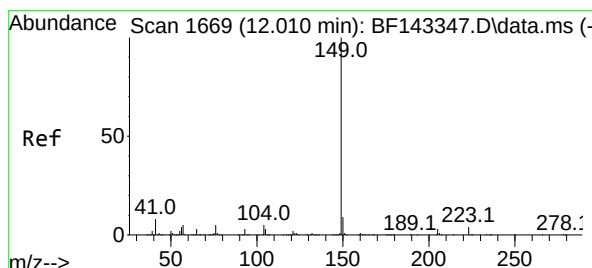
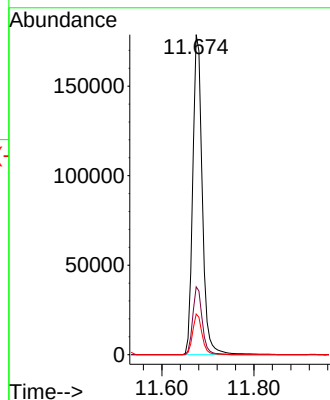
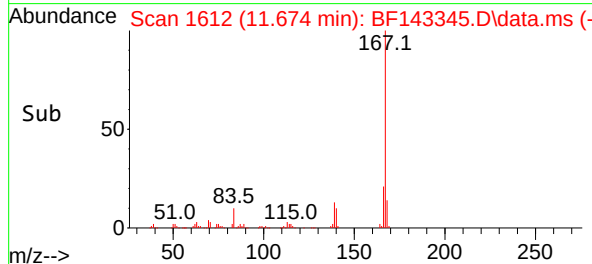
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



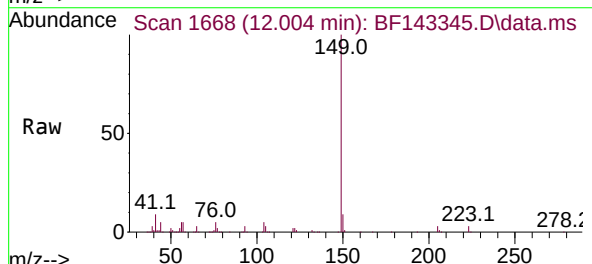
Tgt Ion:167 Resp: 25583
Ion Ratio Lower Upper
167 100
166 21.2 16.8 25.2
139 12.7 10.2 15.2

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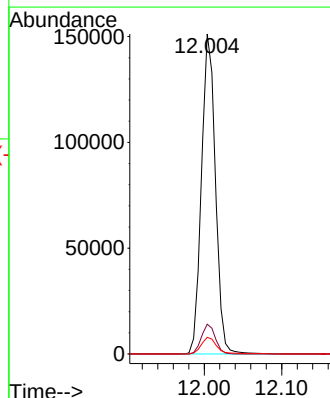
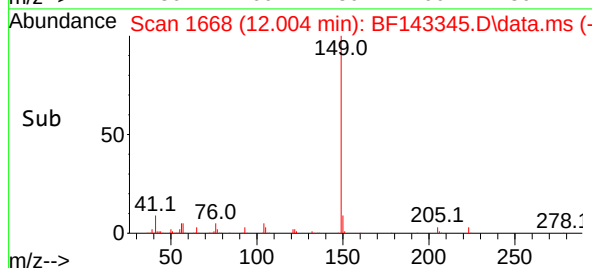
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

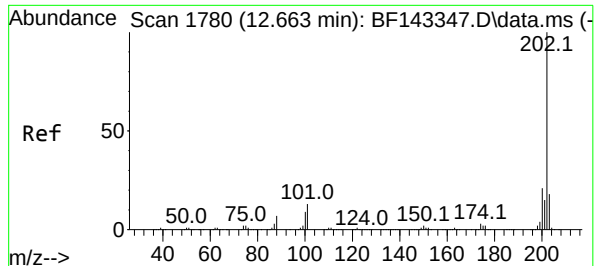


#74
Di-n-butylphthalate
Concen: 9.269 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



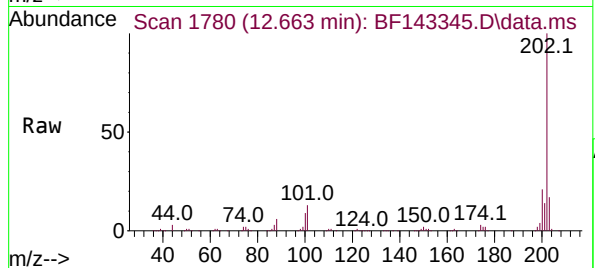
Tgt Ion:149 Resp: 189069
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.2 3.8 5.8





#75
Fluoranthene
Concen: 11.026 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

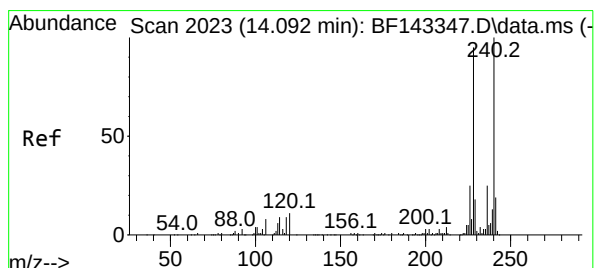
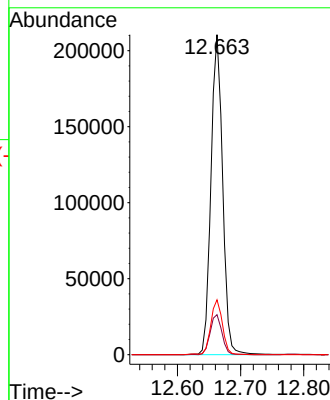
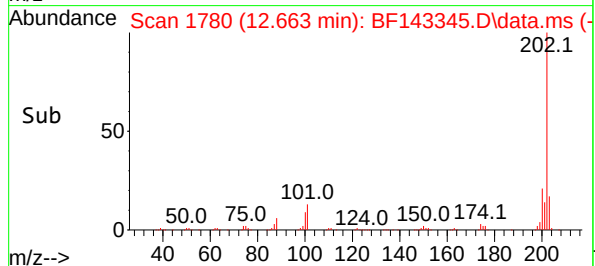
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 269569
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
203 17.2 0.0 37.6

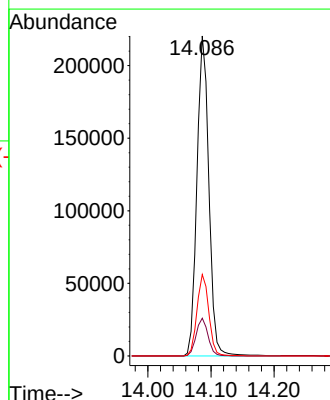
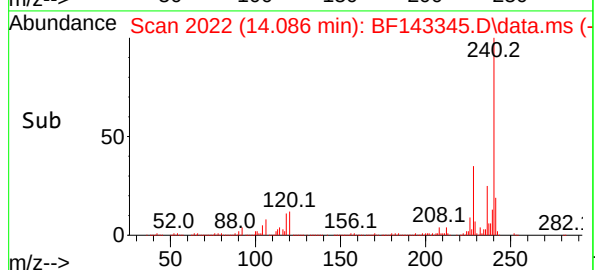
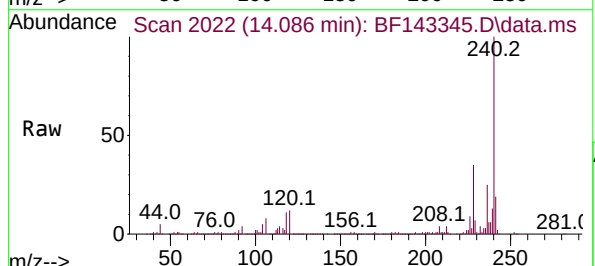
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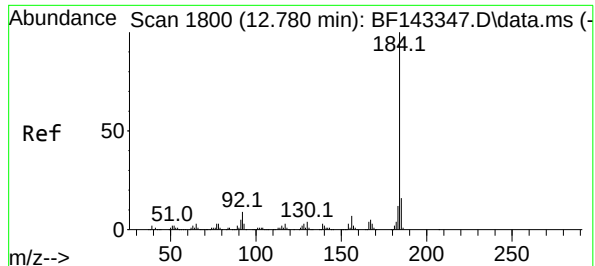
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:240 Resp: 288804
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.6
236 25.5 19.9 29.9





#77

Benzidine

Concen: 9.898 ng

RT: 12.780 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

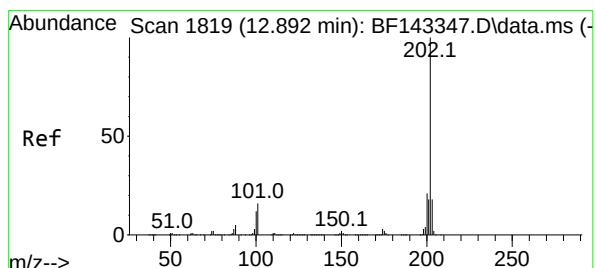
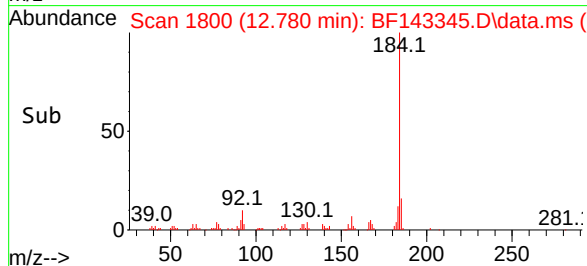
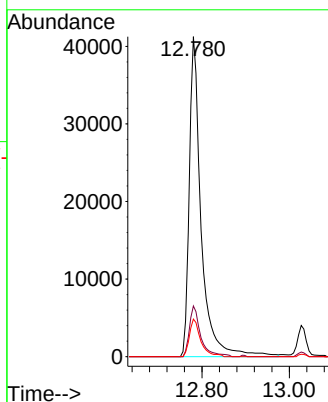
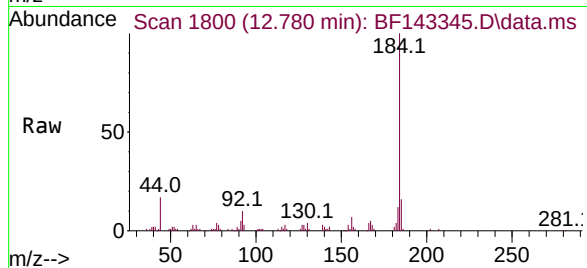
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.8	12.8	19.2
183	11.8	9.3	13.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#78

Pyrene

Concen: 11.697 ng

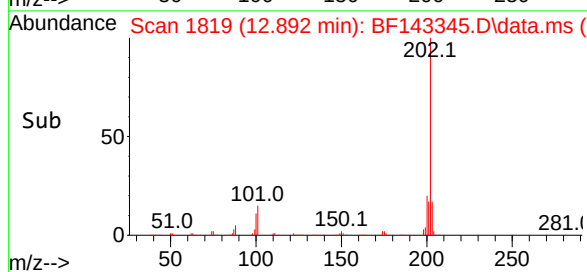
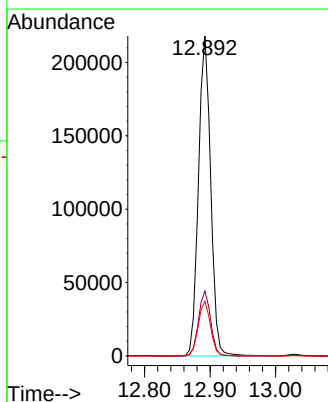
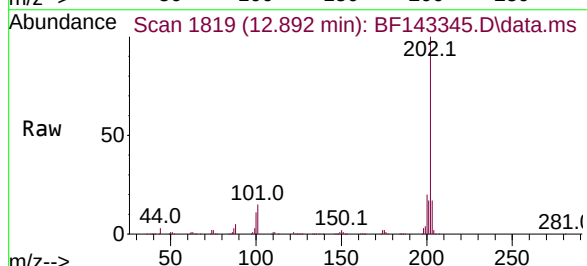
RT: 12.892 min Scan# 1819

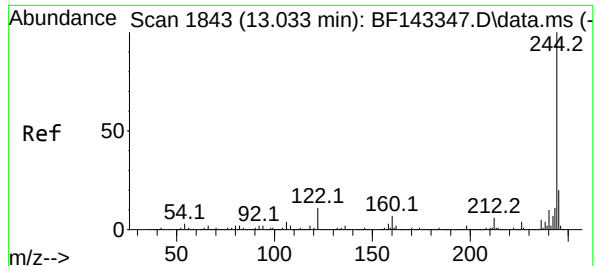
Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	17.0	14.2	21.4





#79

Terphenyl-d14

Concen: 24.022 ng

RT: 13.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:244 Resp: 38858

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

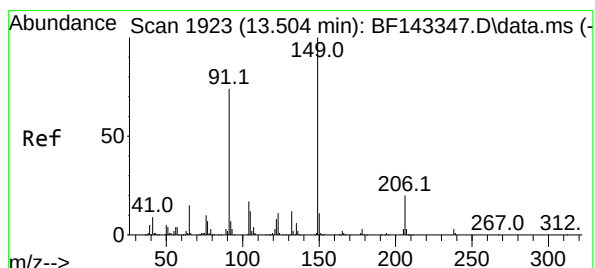
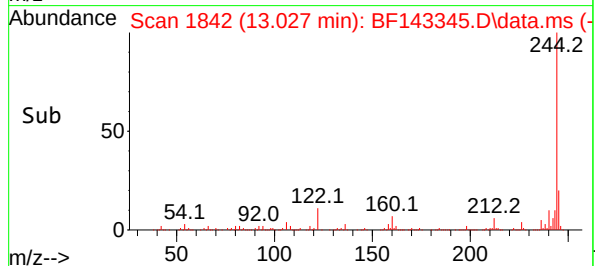
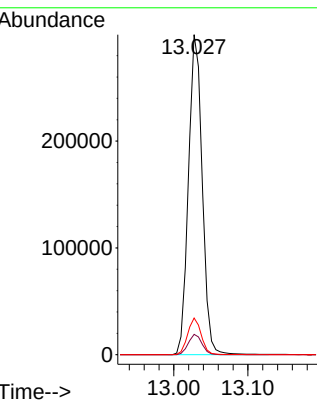
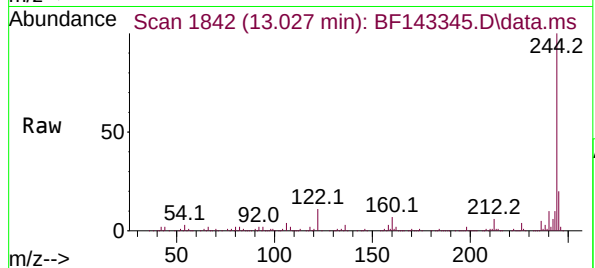
122 11.5 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#80

Butylbenzylphthalate

Concen: 9.196 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

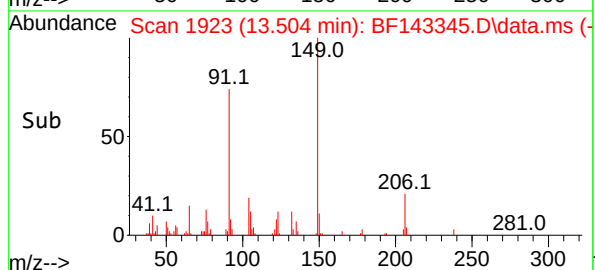
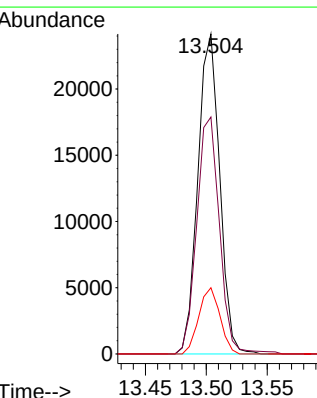
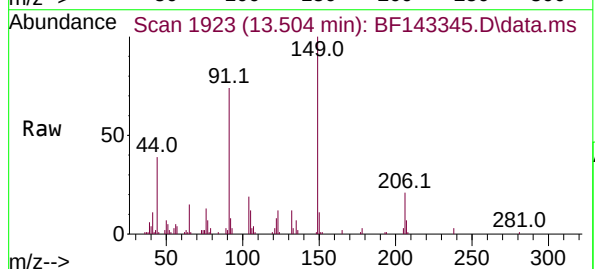
Tgt Ion:149 Resp: 30088

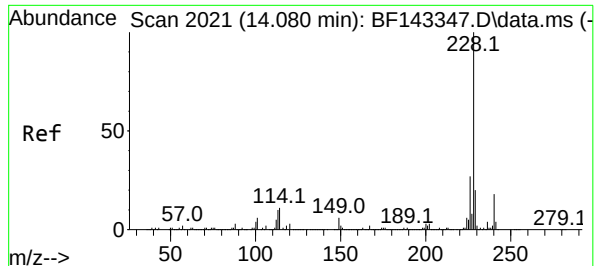
Ion Ratio Lower Upper

149 100

91 74.1 58.8 88.2

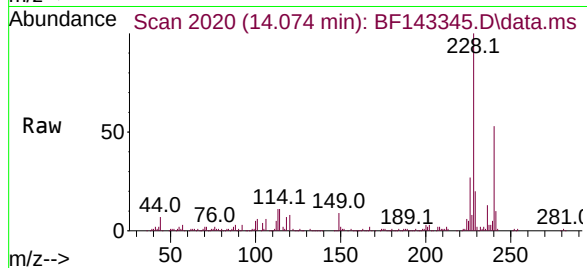
206 20.7 16.4 24.6





#81
Benzo(a)anthracene
Concen: 9.629 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

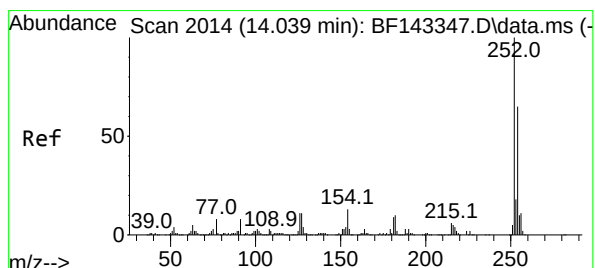
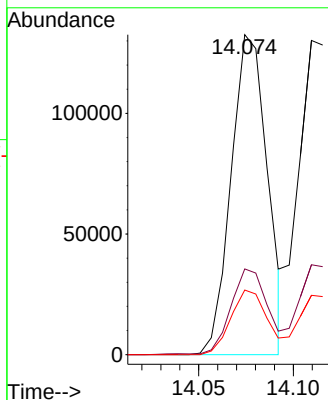
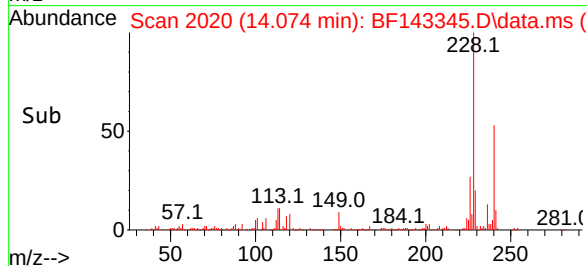
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



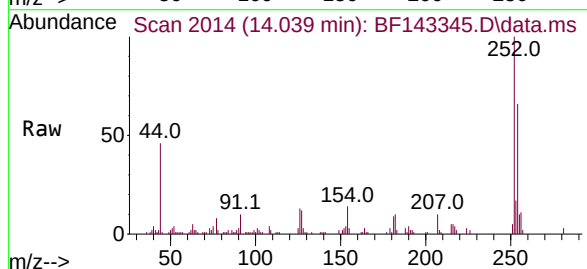
Tgt Ion:228 Resp: 176759
Ion Ratio Lower Upper
228 100
226 26.8 22.0 33.0
229 20.2 15.8 23.8

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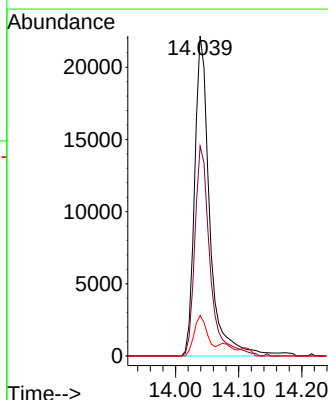
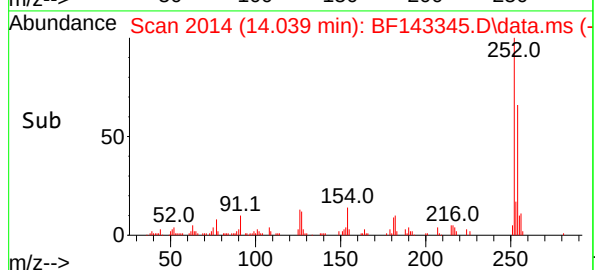
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

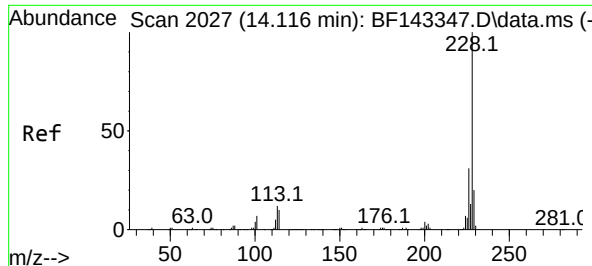


#82
3,3'-Dichlorobenzidine
Concen: 7.425 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:252 Resp: 36804
Ion Ratio Lower Upper
252 100
254 65.6 51.7 77.5
126 12.6 9.2 13.8





#83

Chrysene

Concen: 10.541 ng

RT: 14.110 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:228 Resp: 18042

Ion Ratio Lower Upper

228 100

226 28.6 24.2 36.2

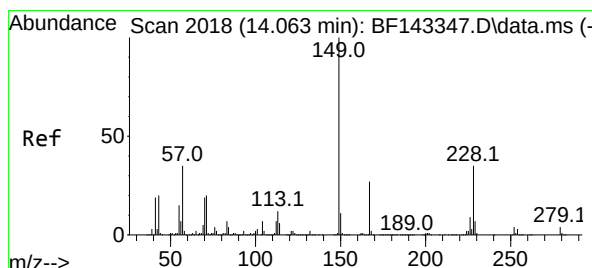
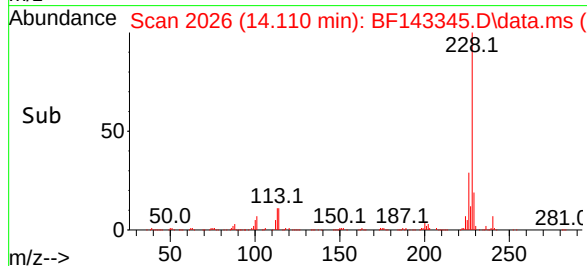
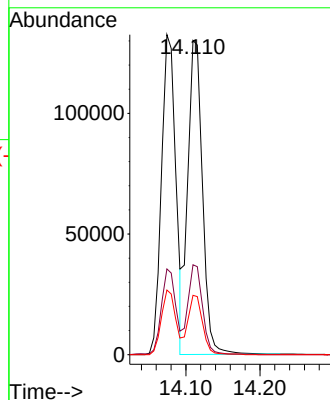
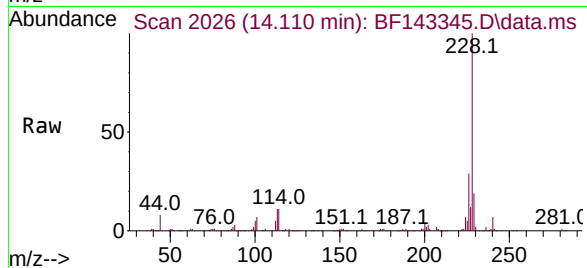
229 18.9 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.191 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

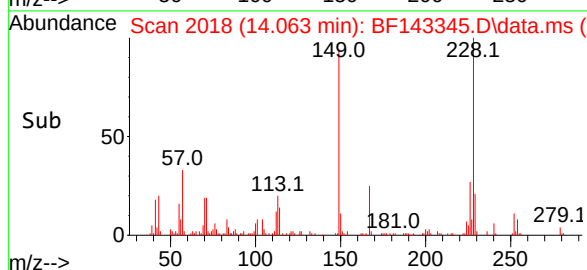
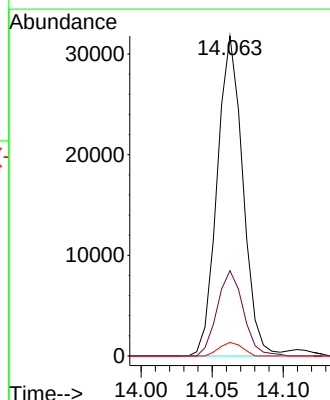
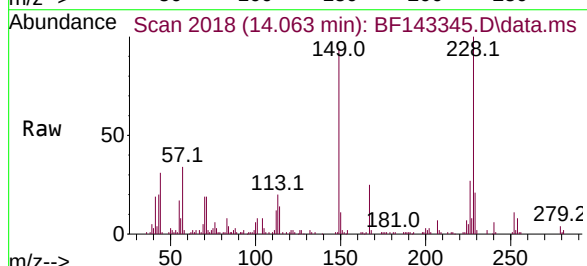
Tgt Ion:149 Resp: 39945

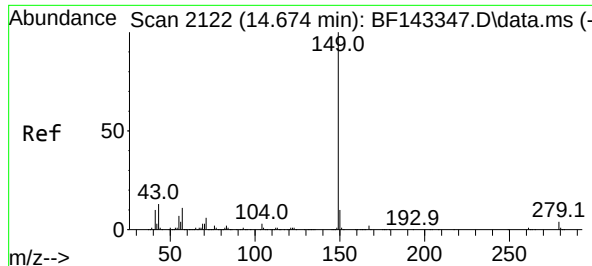
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

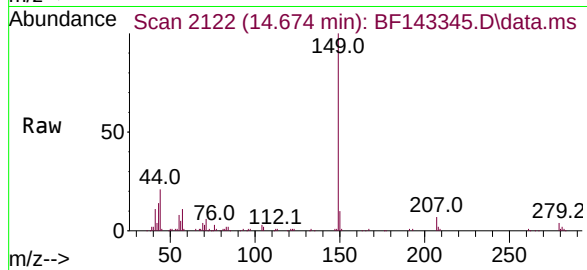
279 4.3 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 10.933 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

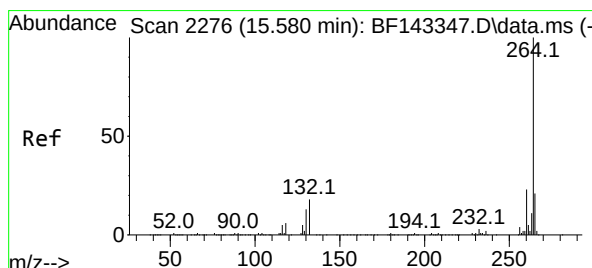
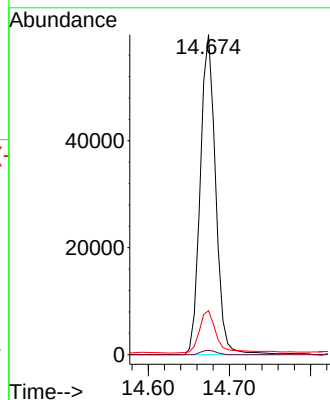
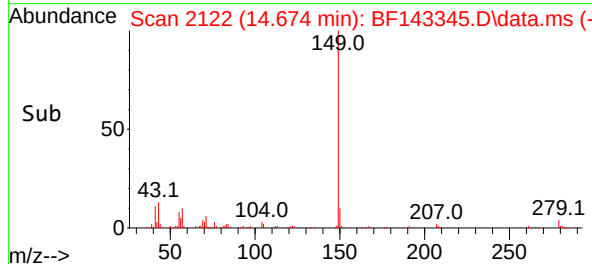
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



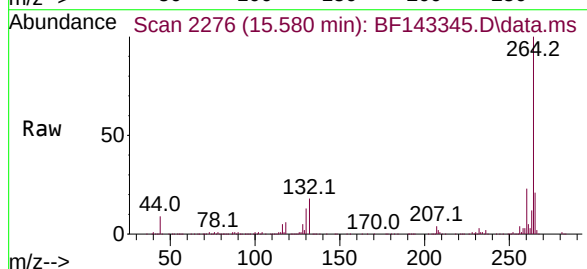
Tgt Ion:149 Resp: 78702
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 14.9 10.8 16.2

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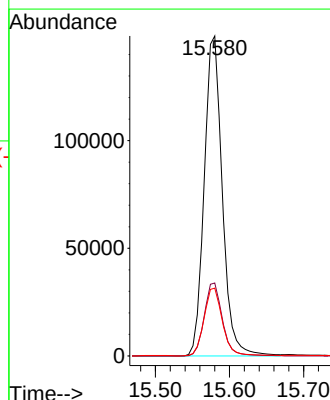
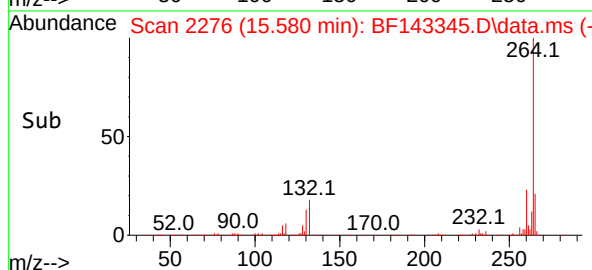
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

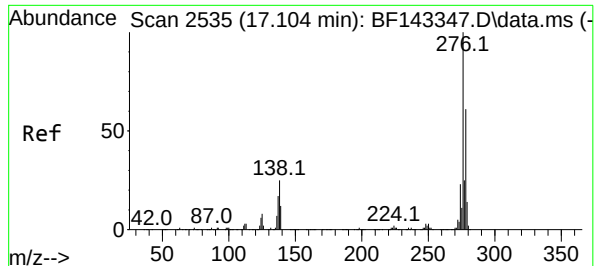


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04



Tgt Ion:264 Resp: 252284
Ion Ratio Lower Upper
264 100
260 22.8 18.7 28.1
265 21.2 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.153 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:276 Resp: 18350

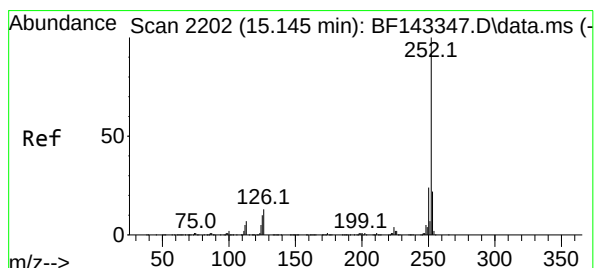
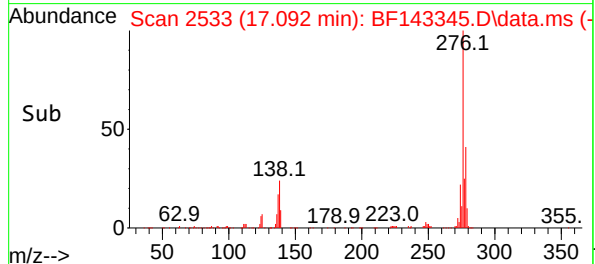
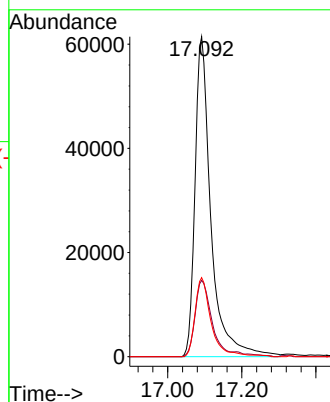
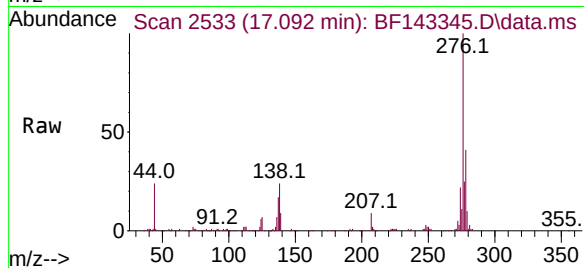
Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.1	31.7
277	24.8	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#88

Benzo(b)fluoranthene

Concen: 9.392 ng

RT: 15.139 min Scan# 2201

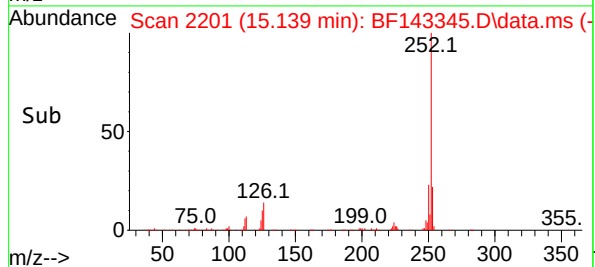
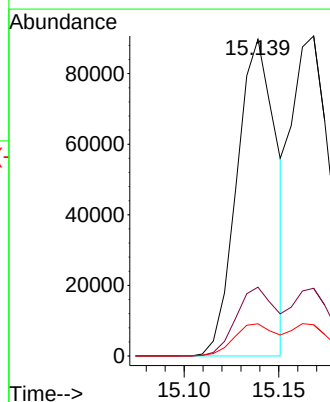
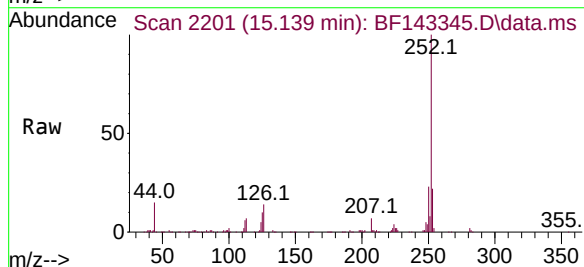
Delta R.T. -0.006 min

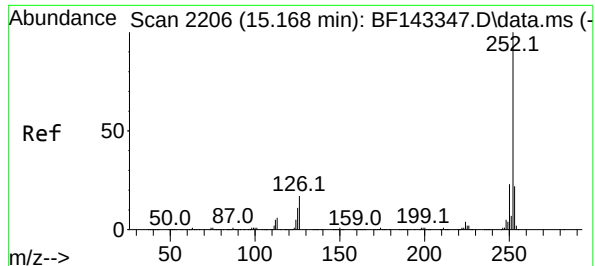
Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 129605

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	10.2	7.8	11.6





#89

Benzo(k)fluoranthene

Concen: 10.165 ng

RT: 15.168 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF143345.D

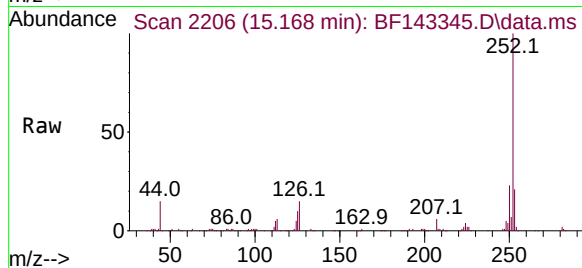
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

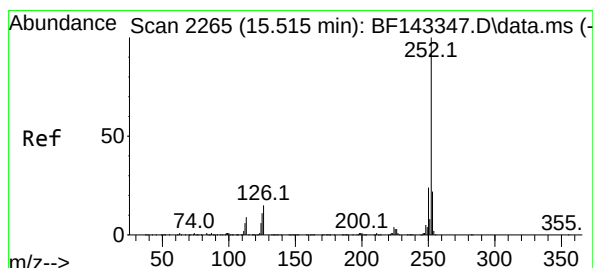
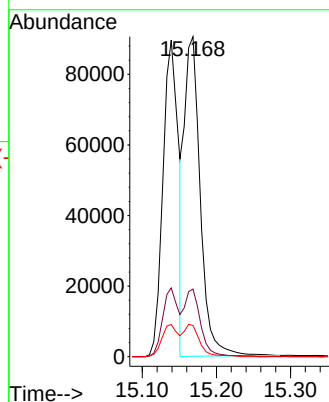
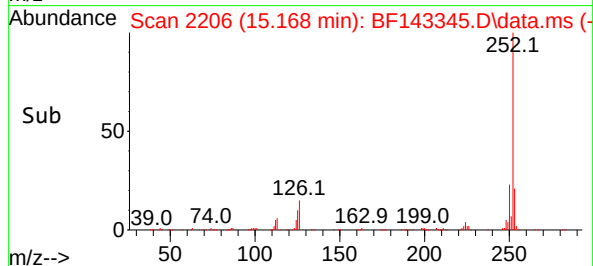


Tgt Ion:	252	Resp:	136290
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.6	26.4
125	9.8	8.4	12.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#90

Benzo(a)pyrene

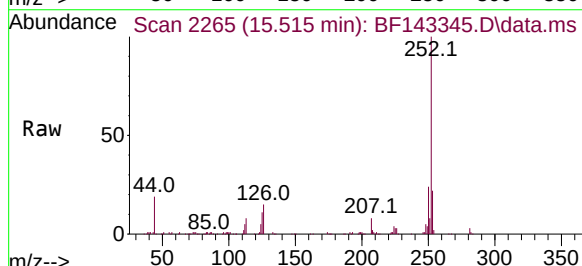
Concen: 9.814 ng

RT: 15.515 min Scan# 2265

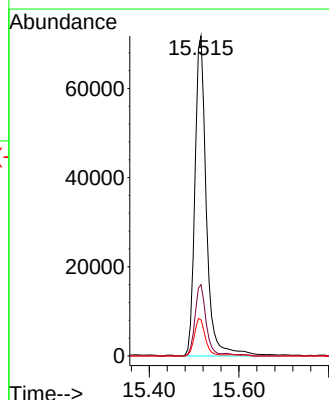
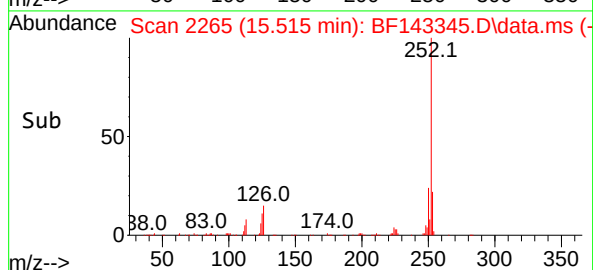
Delta R.T. -0.000 min

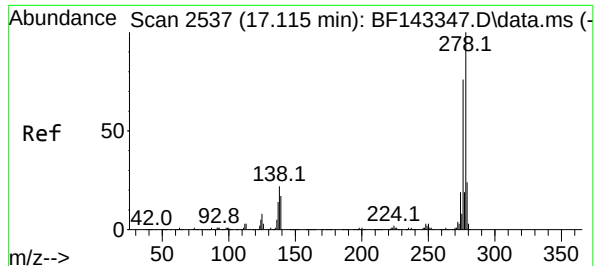
Lab File: BF143345.D

Acq: 12 Aug 2025 10:04



Tgt Ion:	252	Resp:	127540
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.6	26.4
125	11.3	9.1	13.7





#91

Dibenzo(a,h)anthracene

Concen: 10.148 ng

RT: 17.109 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:278 Resp: 14653

Ion Ratio Lower Upper

278 100

139 17.9 14.0 21.0

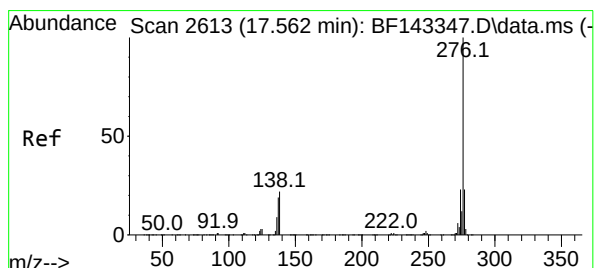
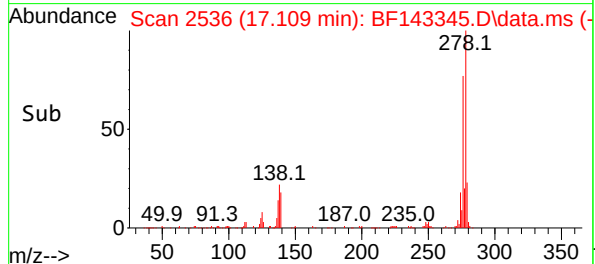
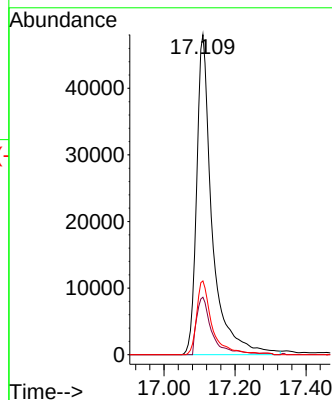
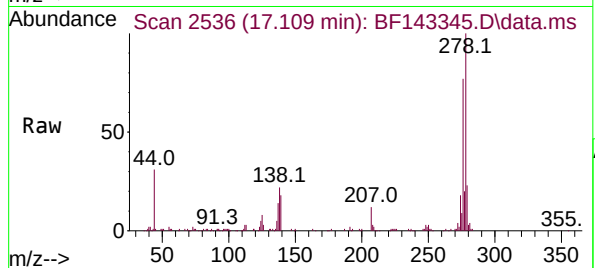
279 23.0 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/13/2025

Supervised By :Jagrut Upadhyay 08/13/2025



#92

Benzo(g,h,i)perylene

Concen: 10.338 ng

RT: 17.551 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

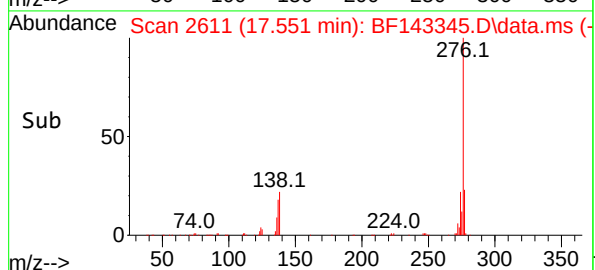
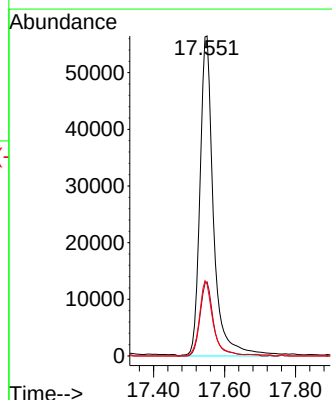
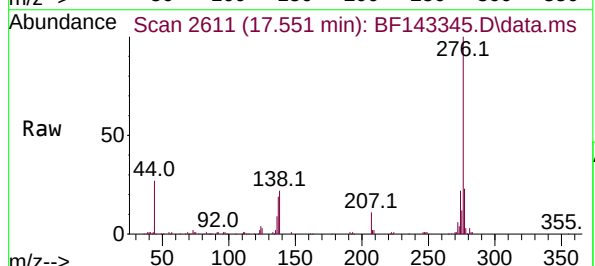
Tgt Ion:276 Resp: 150383

Ion Ratio Lower Upper

276 100

277 23.2 18.7 28.1

138 22.4 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143346.D
Acq On : 12 Aug 2025 10:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 12 13:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	168701	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	640356	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	345152	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	538915	20.000	ng	0.00
76) Chrysene-d12	14.086	240	307753	20.000	ng	0.00
86) Perylene-d12	15.580	264	306974	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	407312	41.751	ng	0.00
7) Phenol-d6	6.557	99	520093	41.573	ng	0.00
23) Nitrobenzene-d5	7.486	82	433525	42.160	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	103035	40.847	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	886799	43.569	ng	0.00
79) Terphenyl-d14	13.027	244	798330	46.313	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	103635	20.529	ng	97
3) Pyridine	3.540	79	269381	20.025	ng	100
4) n-Nitrosodimethylamine	3.463	42	119909	19.135	ng	99
6) Aniline	6.587	93	367374	20.830	ng	99
8) 2-Chlorophenol	6.716	128	214531	20.580	ng	98
9) Benzaldehyde	6.481	77	186638	22.572	ng	99
10) Phenol	6.569	94	310854	20.975	ng	96
11) bis(2-Chloroethyl)ether	6.657	93	224903	20.590	ng	99
12) 1,3-Dichlorobenzene	6.875	146	249994	20.792	ng	99
13) 1,4-Dichlorobenzene	6.945	146	250438	20.753	ng	99
14) 1,2-Dichlorobenzene	7.098	146	237306	20.716	ng	99
15) Benzyl Alcohol	7.063	79	180344	20.110	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	410762	21.064	ng	95
17) 2-Methylphenol	7.175	107	181753	20.655	ng	99
18) Hexachloroethane	7.445	117	77573	20.504	ng	98
19) n-Nitroso-di-n-propyla...	7.334	70	161440	20.884	ng	98
20) 3+4-Methylphenols	7.328	107	231589	21.762	ng	96
22) Acetophenone	7.334	105	304419	21.576	ng	97
24) Nitrobenzene	7.504	77	234624	21.009	ng	98
25) Isophorone	7.745	82	437206	20.827	ng	99
26) 2-Nitrophenol	7.822	139	70117	18.121	ng	96
27) 2,4-Dimethylphenol	7.857	122	184676	21.087	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	272180	21.236	ng	98
29) 2,4-Dichlorophenol	8.069	162	182884	21.380	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	191714	21.247	ng	99
31) Naphthalene	8.233	128	658723	21.378	ng	100
32) Benzoic acid	7.951	122	54709	19.373	ng	97
33) 4-Chloroaniline	8.275	127	235075	21.152	ng	98
34) Hexachlorobutadiene	8.351	225	119600	21.308	ng	99
35) Caprolactam	8.622	113	46828	19.474	ng	91
36) 4-Chloro-3-methylphenol	8.757	107	189645	21.148	ng	98
37) 2-Methylnaphthalene	8.922	142	436344	21.540	ng	100
38) 1-Methylnaphthalene	9.022	142	417915	21.421	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	198354	21.001	ng	99
41) Hexachlorocyclopentadiene	9.081	237	44965	19.003	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	109203	20.378	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143346.D
 Acq On : 12 Aug 2025 10:35
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Aug 12 13:18:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

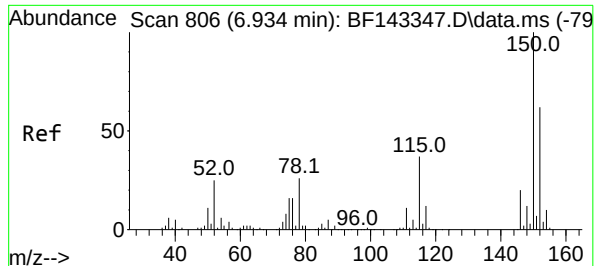
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	126432	20.892	ng	98
46) 1,1'-Biphenyl	9.380	154	523392	21.447	ng	99
47) 2-Chloronaphthalene	9.410	162	407385	21.196	ng	99
48) 2-Nitroaniline	9.498	65	96206	19.121	ng	97
49) Acenaphthylene	9.828	152	593246	21.374	ng	99
50) Dimethylphthalate	9.675	163	429516	21.297	ng	100
51) 2,6-Dinitrotoluene	9.739	165	65043	18.954	ng	95
52) Acenaphthene	9.998	154	386752	20.959	ng	98
53) 3-Nitroaniline	9.910	138	86436	20.928	ng	99
54) 2,4-Dinitrophenol	10.016	184	15765	19.272	ng #	13
55) Dibenzofuran	10.169	168	564025	21.238	ng	100
56) 4-Nitrophenol	10.069	139	50785	19.809	ng	99
57) 2,4-Dinitrotoluene	10.139	165	88718	19.432	ng	94
58) Fluorene	10.510	166	431847	21.289	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	81483	19.975	ng	99
60) Diethylphthalate	10.375	149	390634	21.624	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	207053	21.124	ng	99
62) 4-Nitroaniline	10.516	138	87370	21.864	ng	99
63) Azobenzene	10.663	77	443476	21.493	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	29324	18.676	ng	94
66) n-Nitrosodiphenylamine	10.616	169	363227	20.469	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	125072	20.293	ng	97
68) Hexachlorobenzene	11.063	284	134796	20.290	ng	98
69) Atrazine	11.139	200	100549	21.725	ng	100
70) Pentachlorophenol	11.257	266	47147	19.347	ng	99
71) Phenanthrene	11.474	178	622794	21.181	ng	99
72) Anthracene	11.527	178	638169	21.401	ng	98
73) Carbazole	11.674	167	548030	21.580	ng	100
74) Di-n-butylphthalate	12.004	149	479230	22.300	ng	99
75) Fluoranthene	12.663	202	566275	21.986	ng	99
77) Benzidine	12.780	184	201097	23.901	ng	99
78) Pyrene	12.892	202	587878	22.771	ng	100
80) Butylbenzylphthalate	13.504	149	83834	18.636	ng	99
81) Benzo(a)anthracene	14.080	228	412056	21.066	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	100529	19.033	ng	100
83) Chrysene	14.115	228	369066	20.235	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	107115	17.077	ng	99
85) Di-n-octyl phthalate	14.674	149	213024	18.493	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	454164	20.651	ng	99
88) Benzo(b)fluoranthene	15.139	252	335316	19.971	ng	99
89) Benzo(k)fluoranthene	15.168	252	355480	21.789	ng	99
90) Benzo(a)pyrene	15.515	252	325450	20.580	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	363491	20.688	ng	98
92) Benzo(g,h,i)perylene	17.551	276	364540	20.596	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

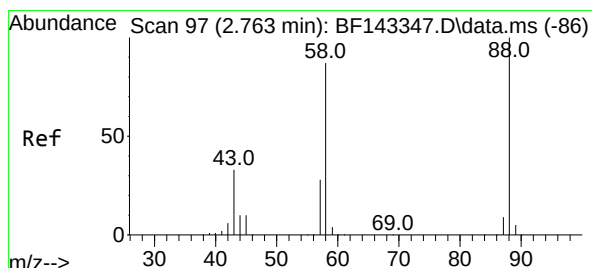
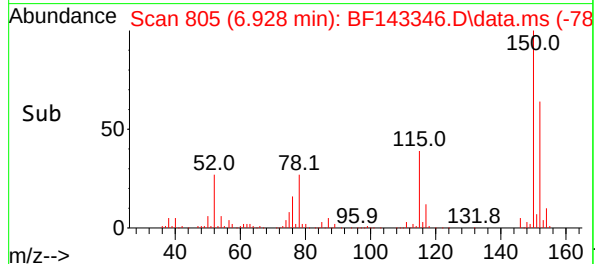
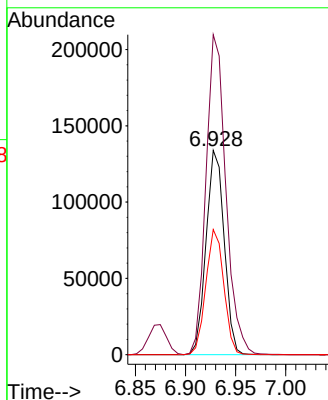
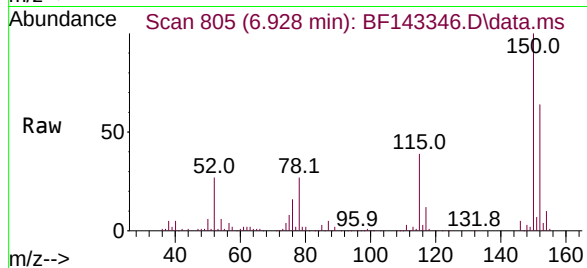




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

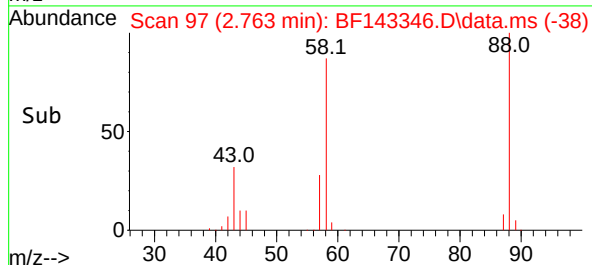
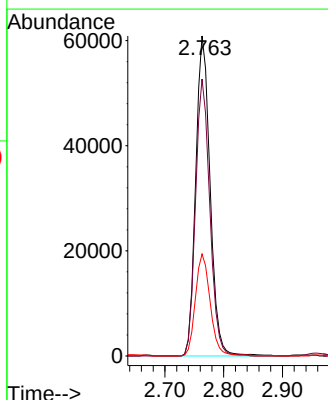
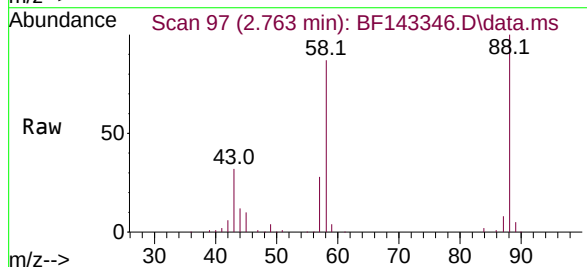
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

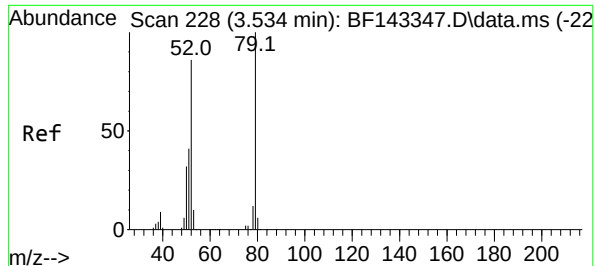
Tgt Ion:152 Resp: 168701
Ion Ratio Lower Upper
152 100
150 156.6 129.8 194.8
115 61.3 47.8 71.8



#2
1,4-Dioxane
Concen: 20.529 ng
RT: 2.763 min Scan# 97
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 88 Resp: 103635
Ion Ratio Lower Upper
88 100
58 85.7 71.0 106.6
43 32.6 27.0 40.6





#3

Pyridine

Concen: 20.025 ng

RT: 3.540 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

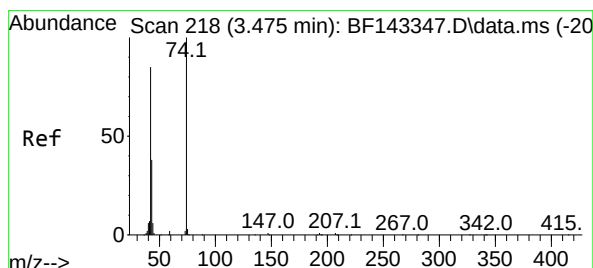
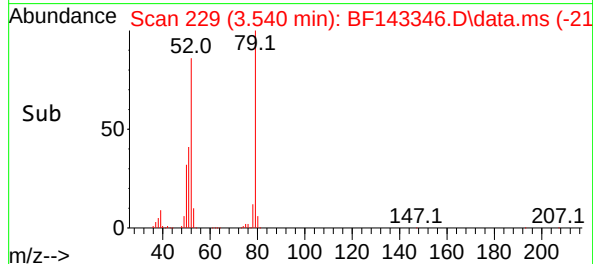
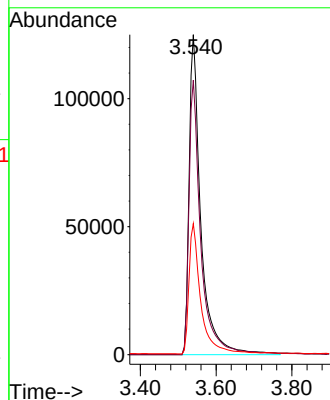
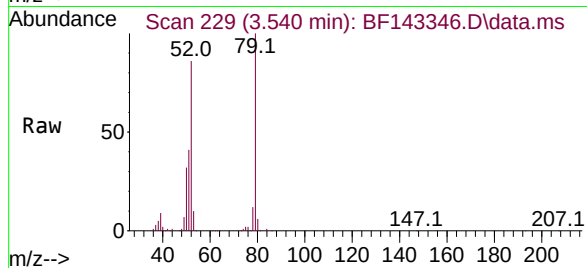
Tgt Ion: 79 Resp: 269381

Ion Ratio Lower Upper

79 100

52 85.8 68.7 103.1

51 40.9 33.4 50.0



#4

n-Nitrosodimethylamine

Concen: 19.135 ng

RT: 3.463 min Scan# 216

Delta R.T. -0.012 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

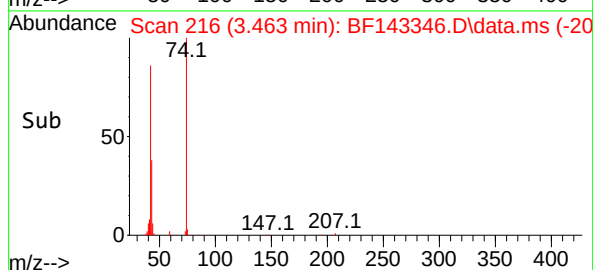
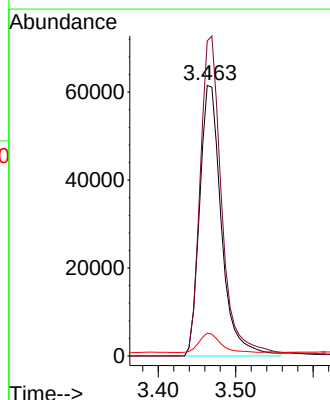
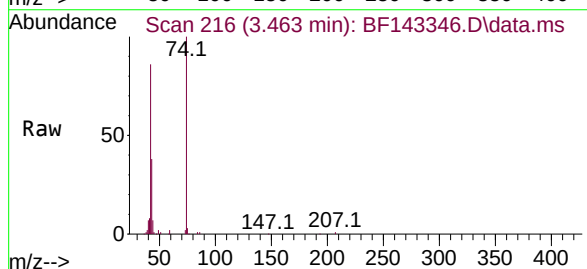
Tgt Ion: 42 Resp: 119909

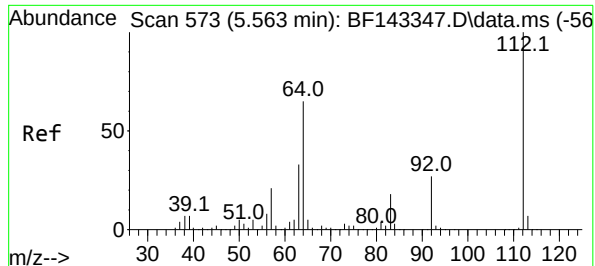
Ion Ratio Lower Upper

42 100

74 116.4 94.1 141.1

44 8.4 6.5 9.7





#5

2-Fluorophenol

Concen: 41.751 ng

RT: 5.557 min Scan# 51

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

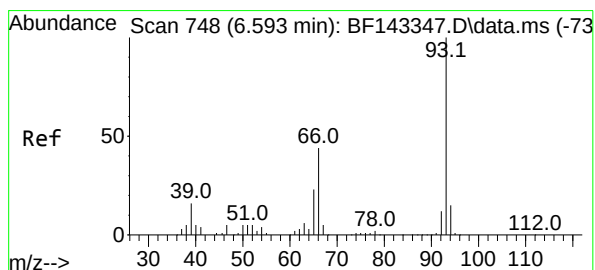
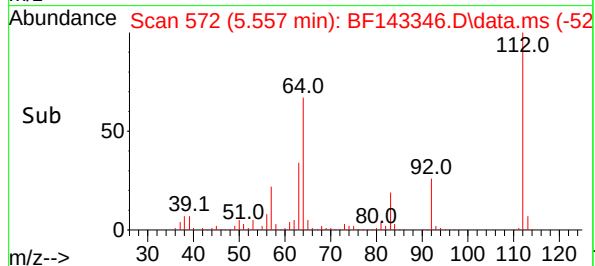
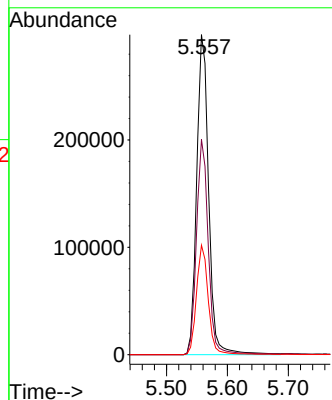
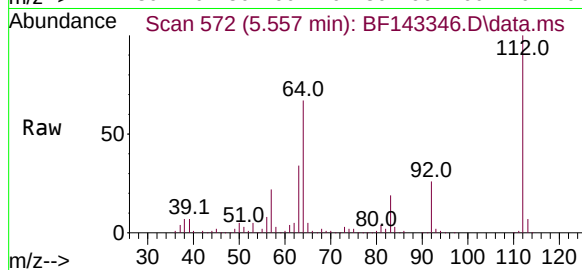
Tgt Ion:112 Resp: 407312

Ion Ratio Lower Upper

112 100

64 67.2 52.1 78.1

63 34.2 26.6 39.8



#6

Aniline

Concen: 20.830 ng

RT: 6.587 min Scan# 747

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

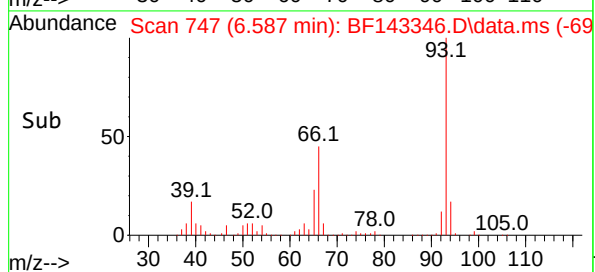
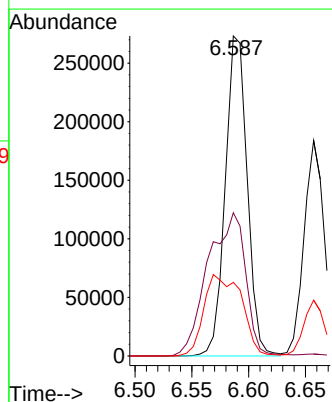
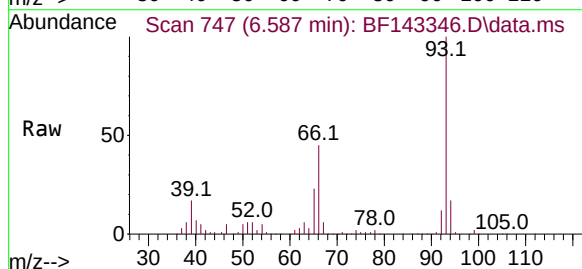
Tgt Ion: 93 Resp: 367374

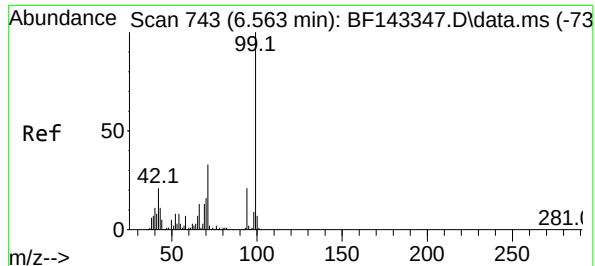
Ion Ratio Lower Upper

93 100

66 44.7 35.3 52.9

65 23.0 18.2 27.4

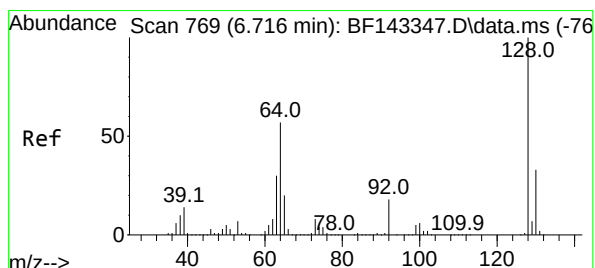
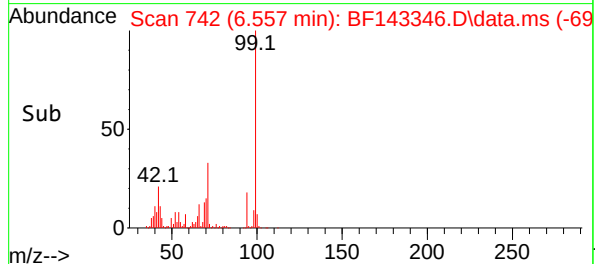
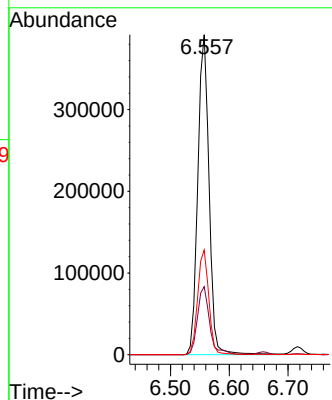
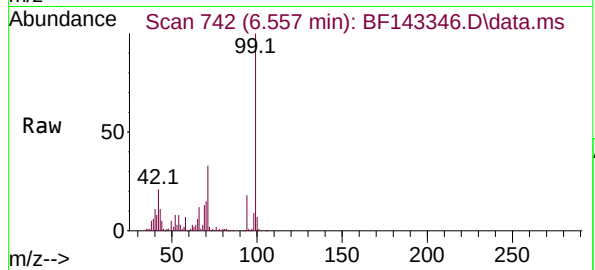




#7
Phenol-d6
Concen: 41.573 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

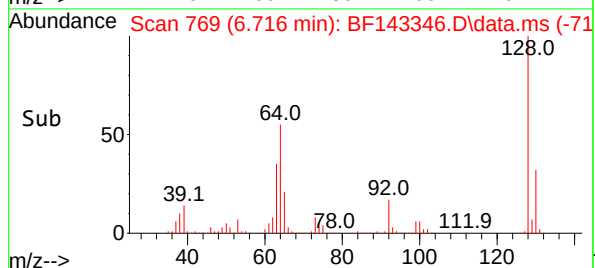
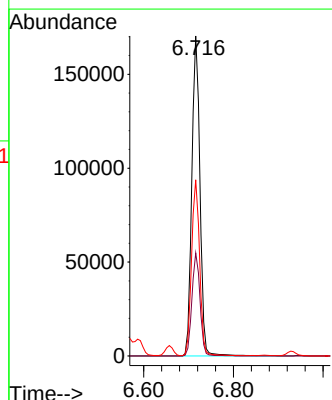
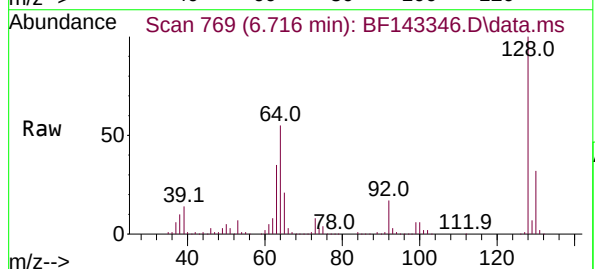
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

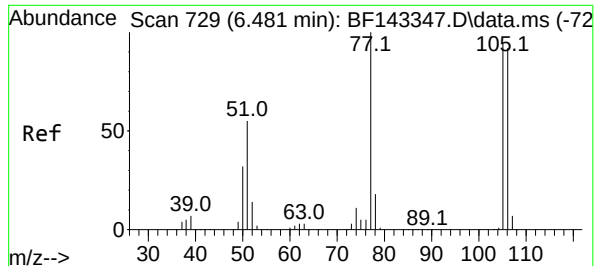
Tgt Ion: 99 Resp: 520093
Ion Ratio Lower Upper
99 100
42 21.2 16.6 25.0
71 32.7 26.2 39.2



#8
2-Chlorophenol
Concen: 20.580 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 128 Resp: 214531
Ion Ratio Lower Upper
128 100
130 32.2 12.6 52.6
64 55.1 36.7 76.7





#9

Benzaldehyde

Concen: 22.572 ng

RT: 6.481 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

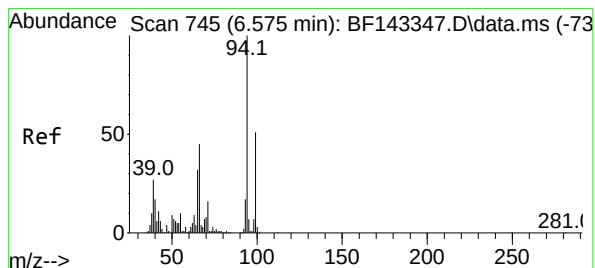
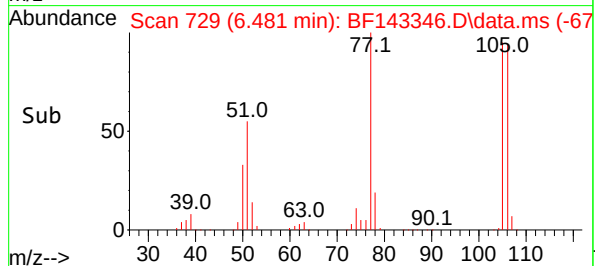
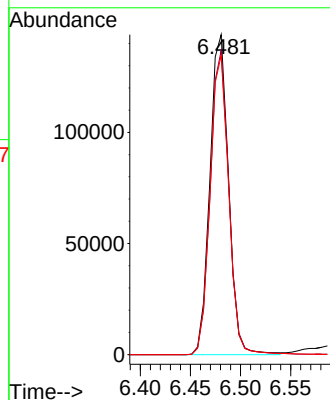
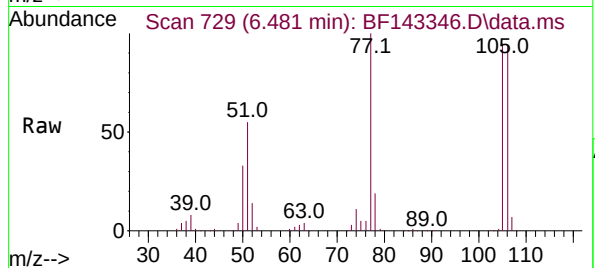
Tgt Ion: 77 Resp: 186638

Ion Ratio Lower Upper

77 100

105 95.0 74.2 114.2

106 93.5 72.2 112.2



#10

Phenol

Concen: 20.975 ng

RT: 6.569 min Scan# 744

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

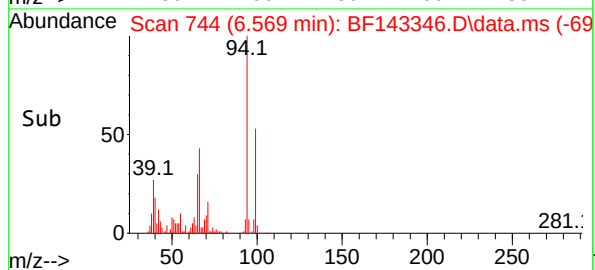
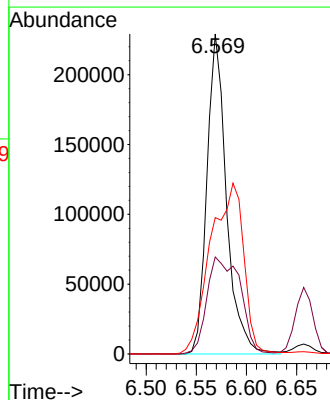
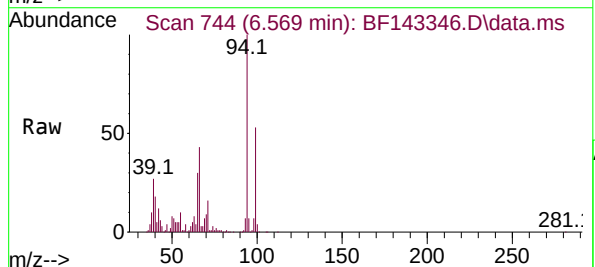
Tgt Ion: 94 Resp: 310854

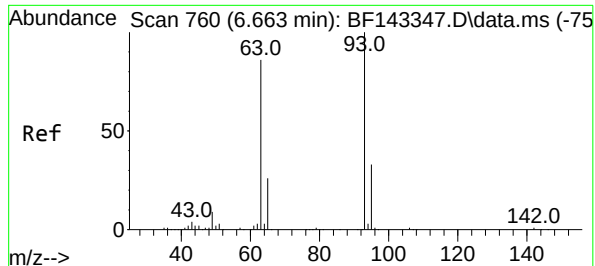
Ion Ratio Lower Upper

94 100

65 30.3 12.0 52.0

66 42.6 25.6 65.6

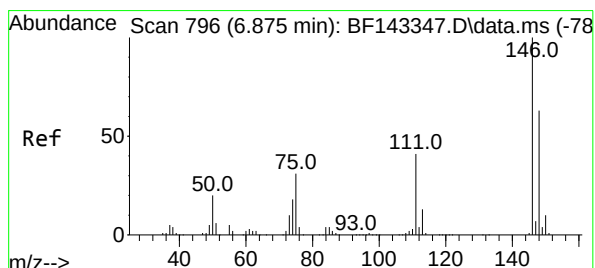
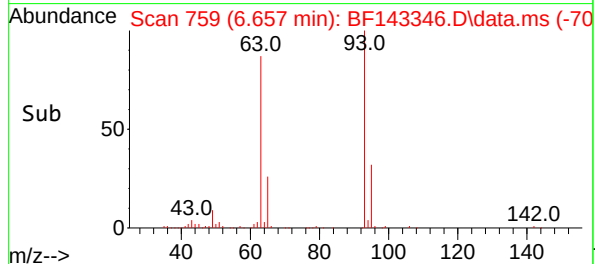
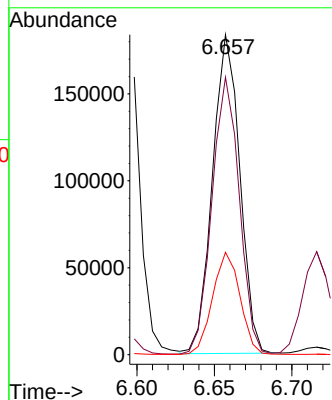
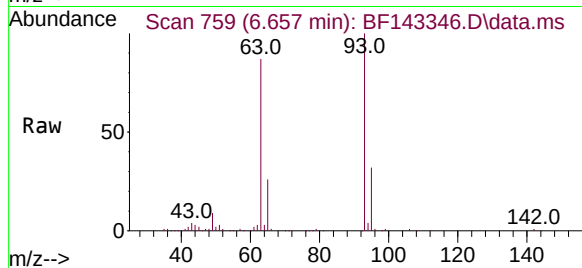




#11
bis(2-Chloroethyl)ether
Concen: 20.590 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

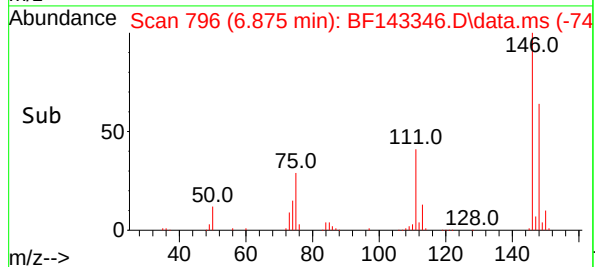
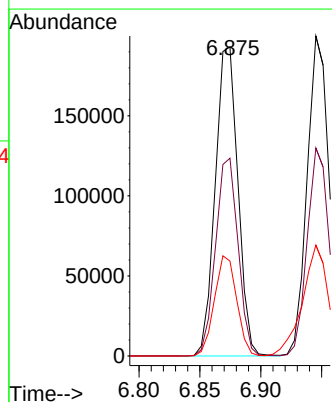
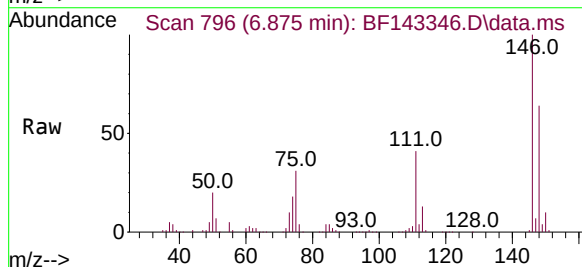
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

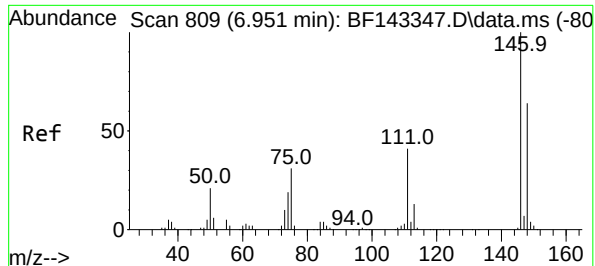
Tgt Ion: 93 Resp: 224903
Ion Ratio Lower Upper
93 100
63 86.7 65.7 105.7
95 32.0 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 20.792 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 146 Resp: 249994
Ion Ratio Lower Upper
146 100
148 64.0 50.5 75.7
75 30.7 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 20.753 ng

RT: 6.945 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

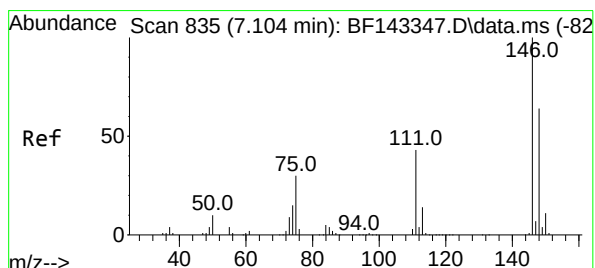
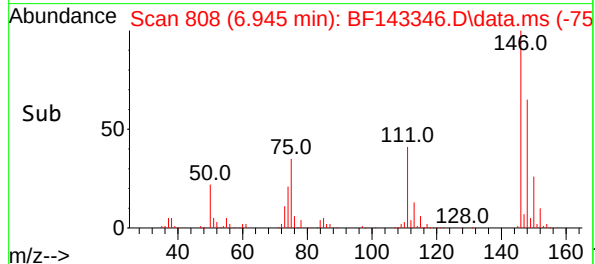
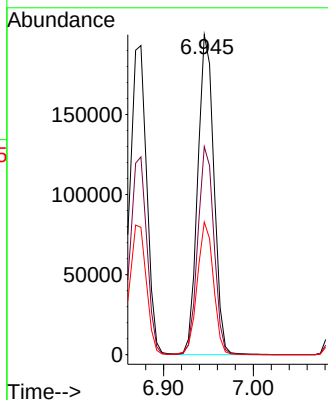
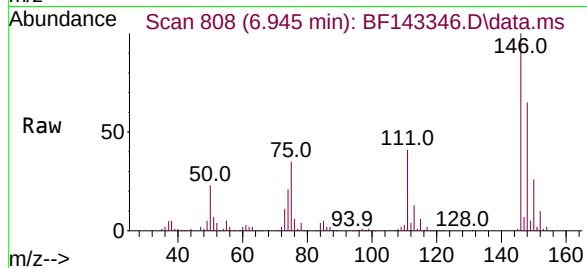
Tgt Ion:146 Resp: 250438

Ion Ratio Lower Upper

146 100

148 65.0 51.4 77.0

111 41.4 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 20.716 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

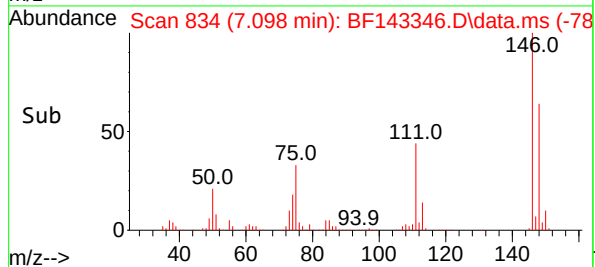
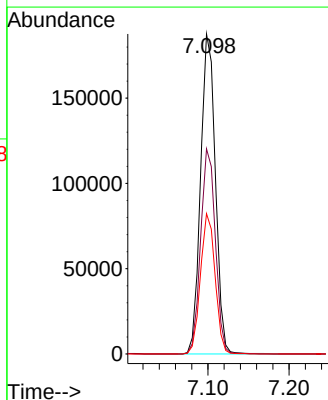
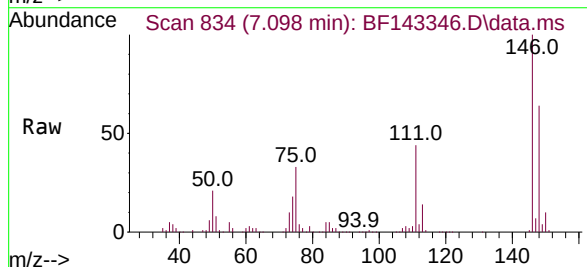
Tgt Ion:146 Resp: 237306

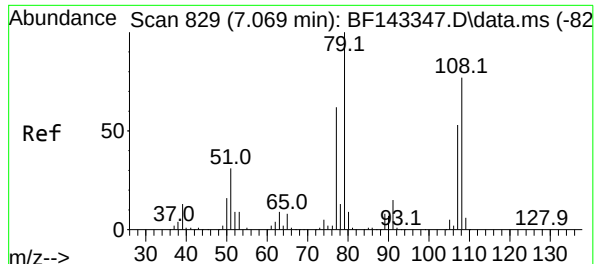
Ion Ratio Lower Upper

146 100

148 64.1 51.4 77.2

111 43.8 34.1 51.1





#15

Benzyl Alcohol

Concen: 20.110 ng

RT: 7.063 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

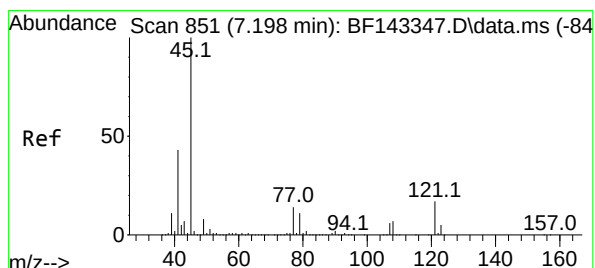
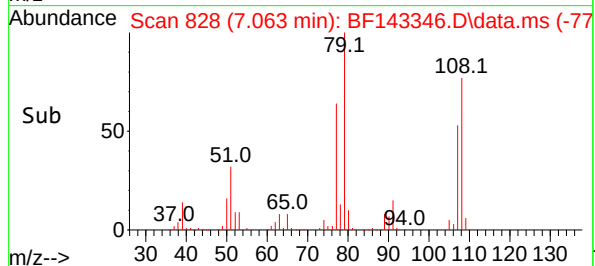
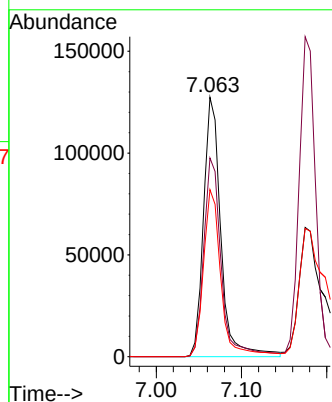
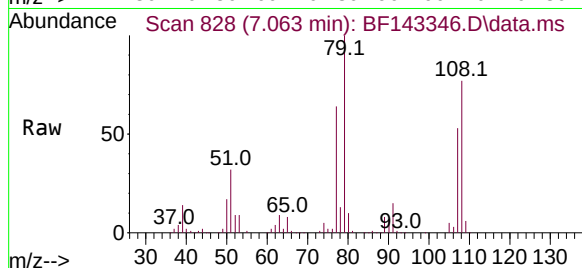
Tgt Ion: 79 Resp: 180344

Ion Ratio Lower Upper

79 100

108 76.6 61.5 92.3

77 64.4 49.8 74.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.064 ng

RT: 7.198 min Scan# 851

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

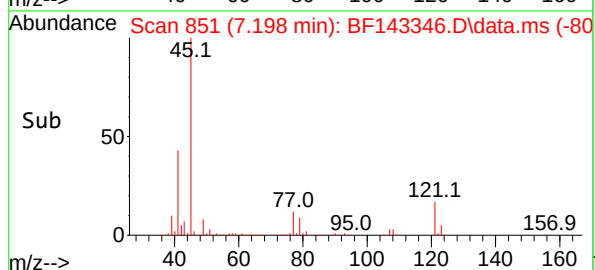
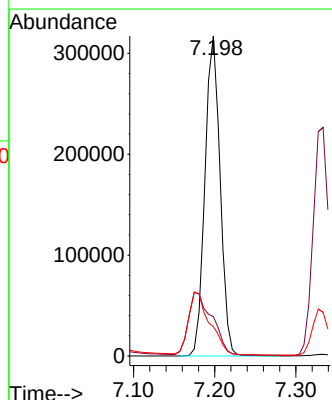
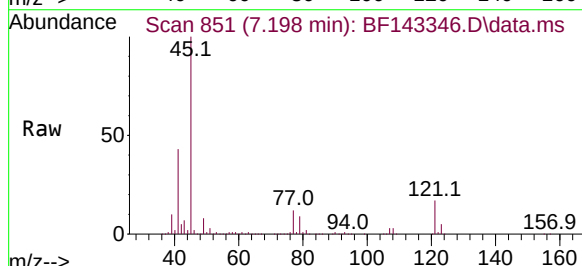
Tgt Ion: 45 Resp: 410762

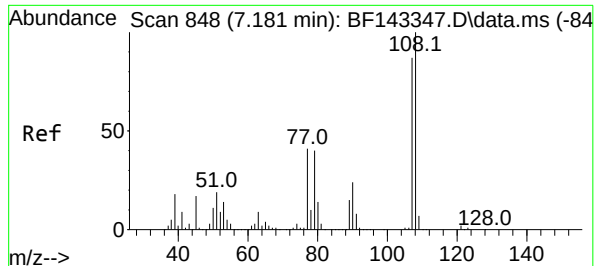
Ion Ratio Lower Upper

45 100

77 12.3 0.0 34.0

79 9.2 0.0 31.1



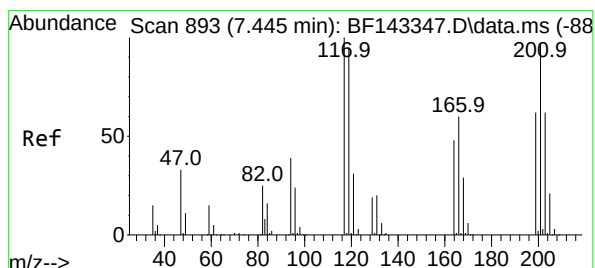
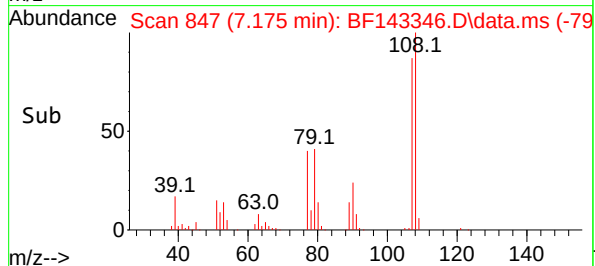
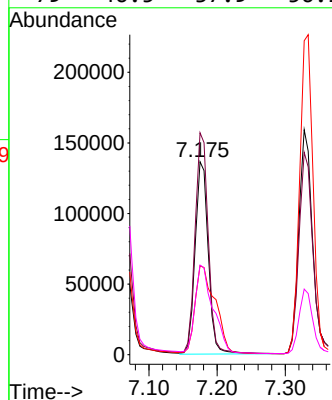
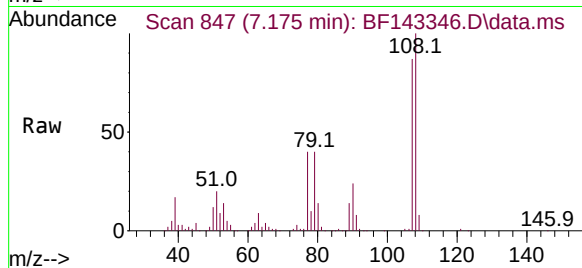


#17
2-Methylphenol
Concen: 20.655 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 181753

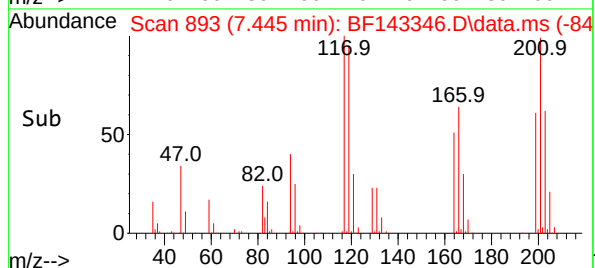
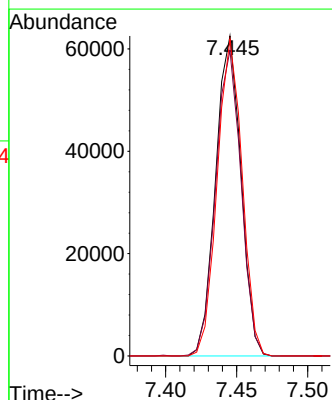
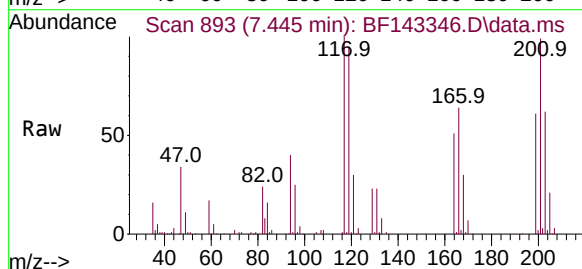
Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	46.1	38.2	57.2
79	46.5	37.9	56.9

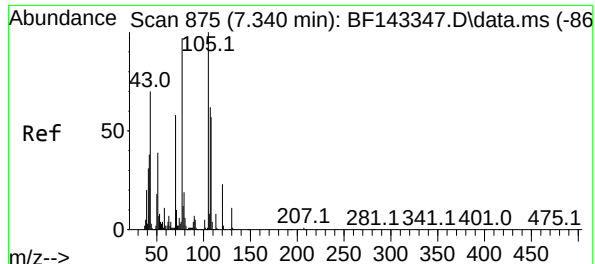


#18
Hexachloroethane
Concen: 20.504 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:117 Resp: 77573

Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.8	113.8
201	99.0	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 20.884 ng

RT: 7.334 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 161440

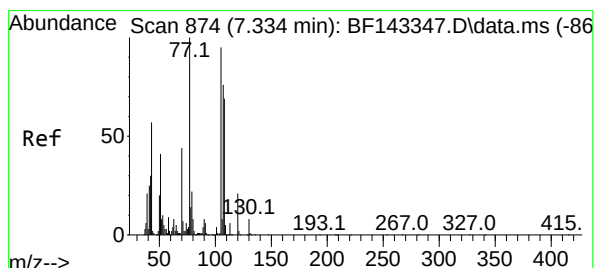
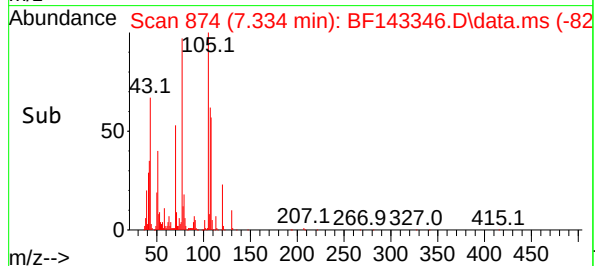
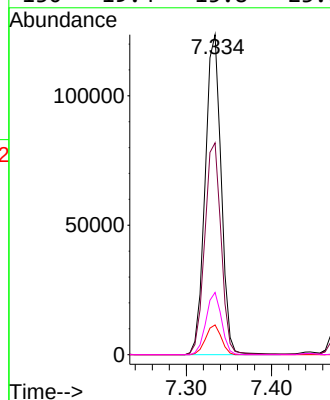
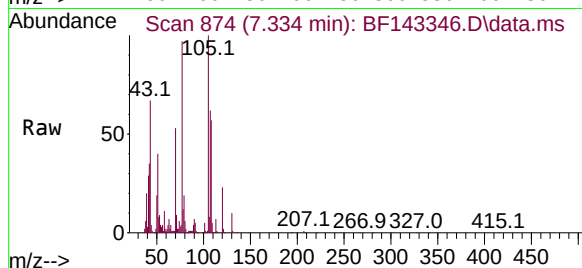
Ion Ratio Lower Upper

70 100

42 66.2 51.6 77.4

101 9.3 7.5 11.3

130 19.4 15.8 23.6



#20

3+4-Methylphenols

Concen: 21.762 ng

RT: 7.328 min Scan# 873

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Tgt Ion: 107 Resp: 231589

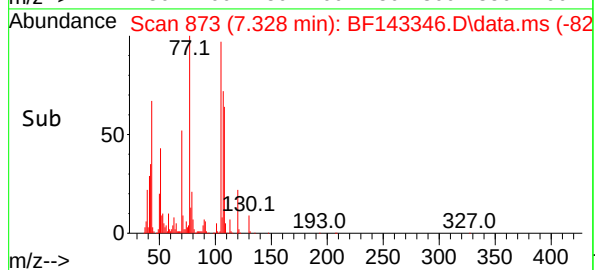
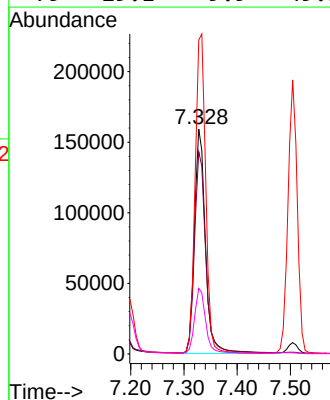
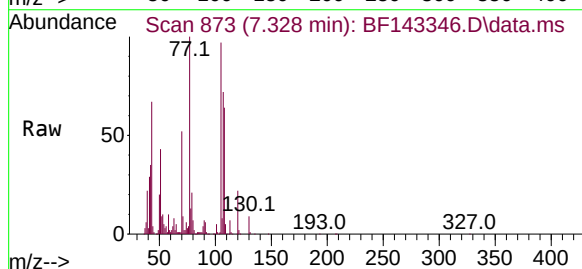
Ion Ratio Lower Upper

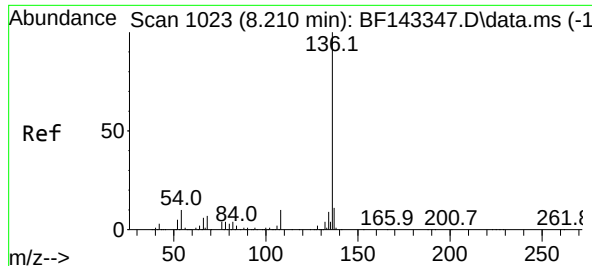
107 100

108 89.9 70.6 110.6

77 139.5 112.0 152.0

79 29.1 9.9 49.9

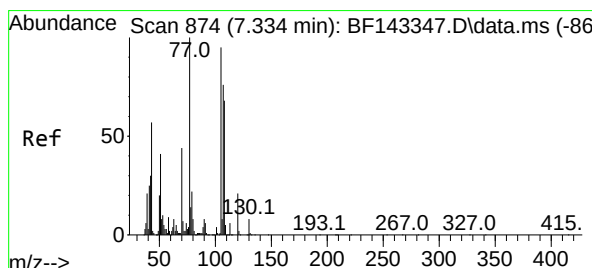
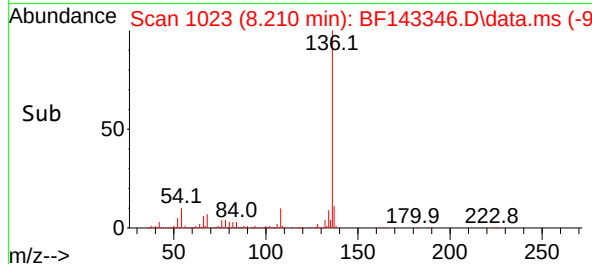
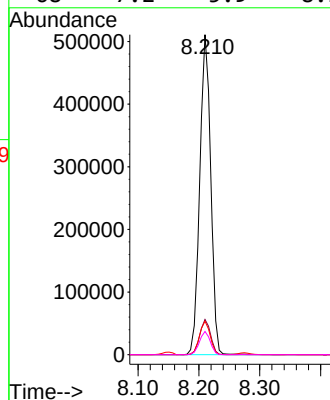
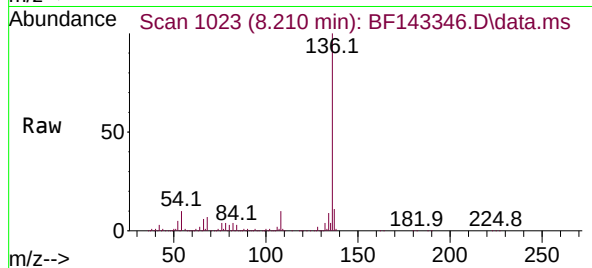




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

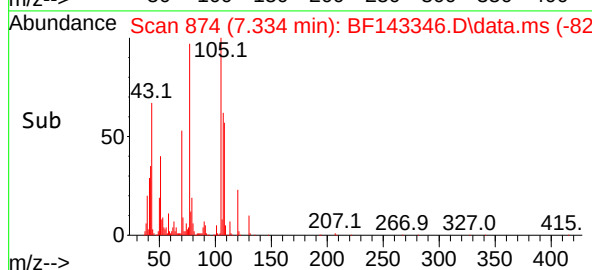
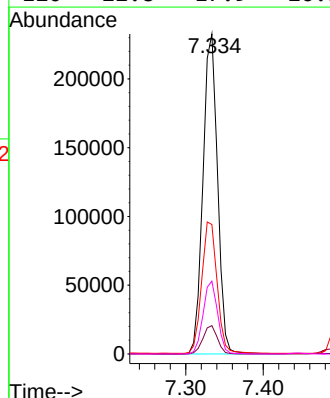
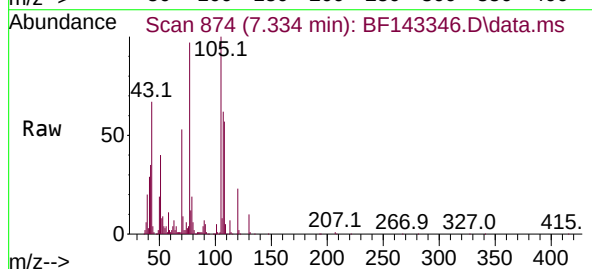
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

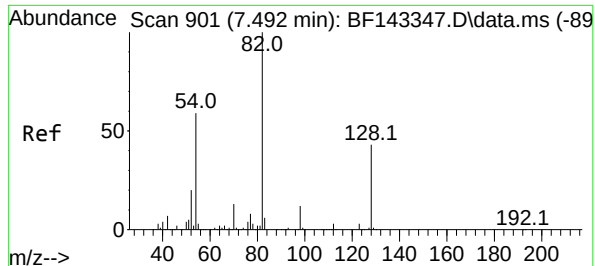
Tgt Ion:	136	Resp:	640356
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.5	8.4	12.6
68	7.2	5.9	8.9



#22
Acetophenone
Concen: 21.576 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:	105	Resp:	304419
Ion	Ratio	Lower	Upper
105	100		
71	8.8	6.2	9.4
51	40.5	34.8	52.2
120	22.8	17.9	26.9





#23

Nitrobenzene-d5

Concen: 42.160 ng

RT: 7.486 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

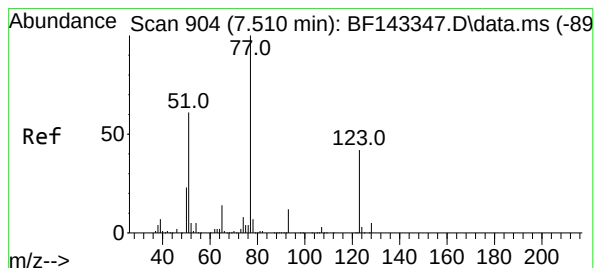
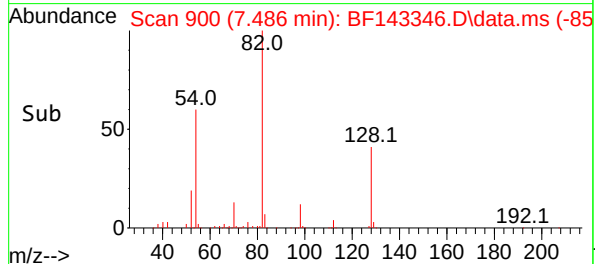
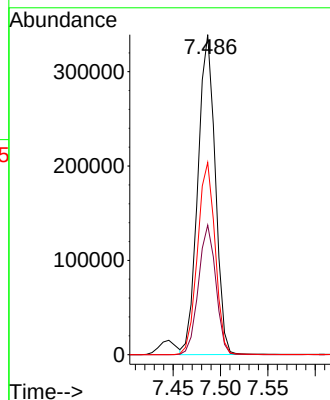
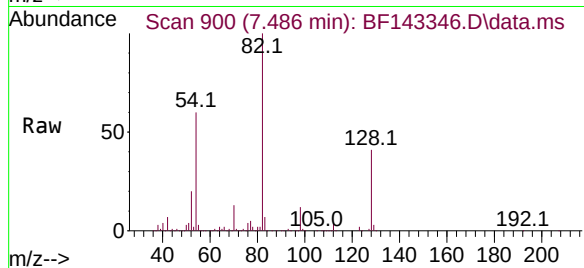
Tgt Ion: 82 Resp: 433525

Ion Ratio Lower Upper

82 100

128 40.5 33.5 50.3

54 60.0 46.7 70.1



#24

Nitrobenzene

Concen: 21.009 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

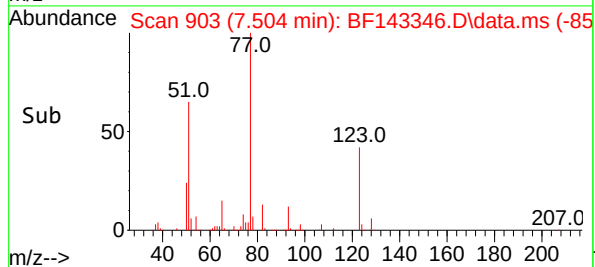
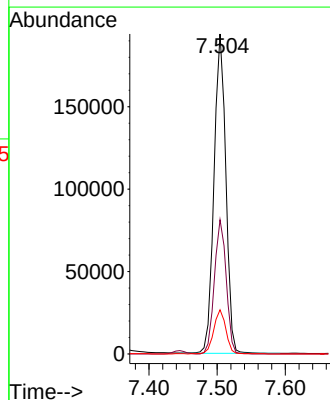
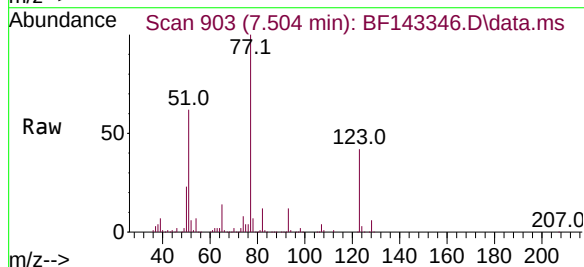
Tgt Ion: 77 Resp: 234624

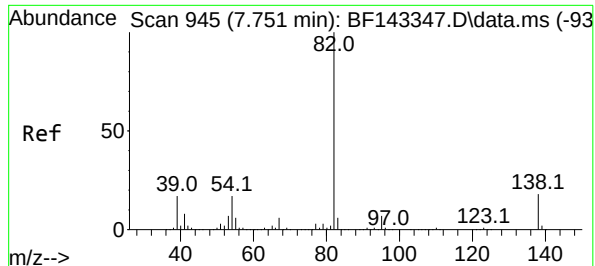
Ion Ratio Lower Upper

77 100

123 41.9 34.8 52.2

65 13.8 11.0 16.6





#25

Isophorone

Concen: 20.827 ng

RT: 7.745 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

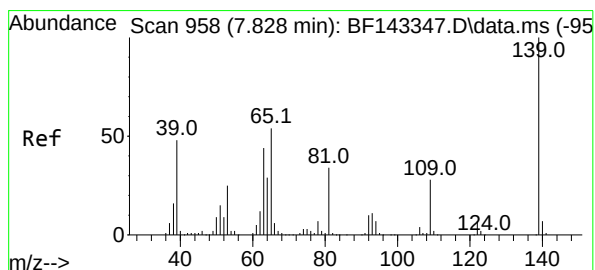
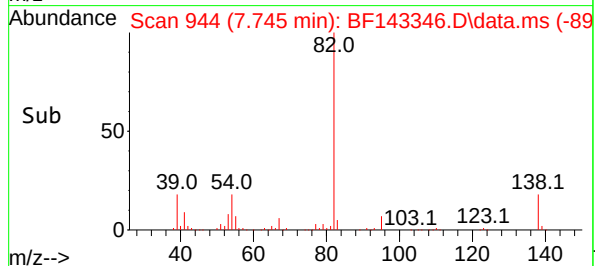
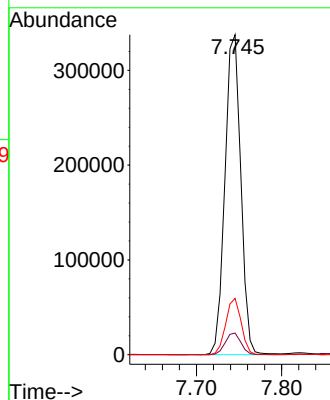
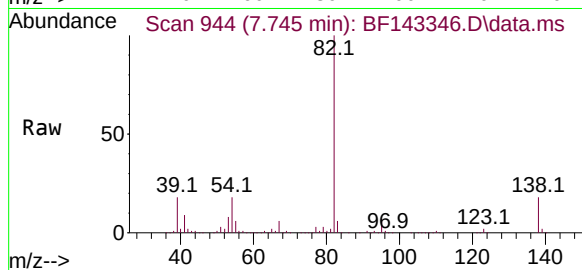
Tgt Ion: 82 Resp: 437206

Ion Ratio Lower Upper

82 100

95 6.8 5.5 8.3

138 17.6 14.6 21.8



#26

2-Nitrophenol

Concen: 18.121 ng

RT: 7.822 min Scan# 957

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

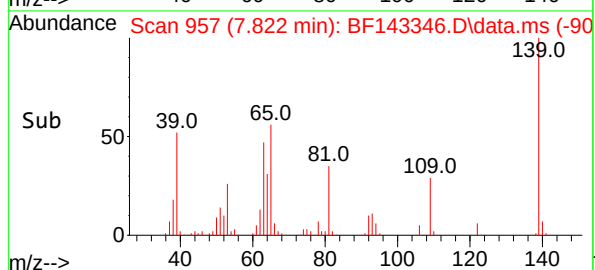
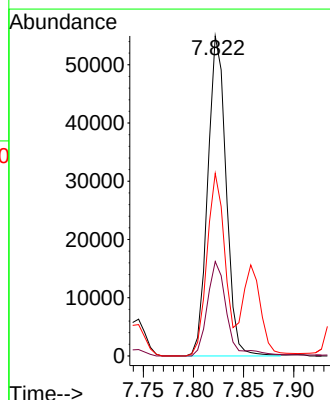
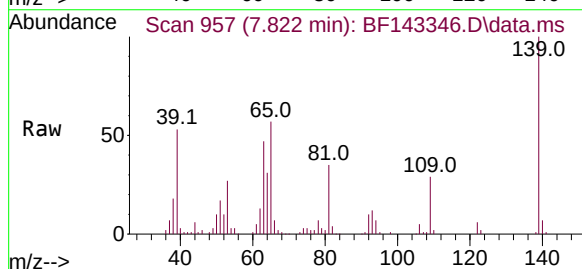
Tgt Ion:139 Resp: 70117

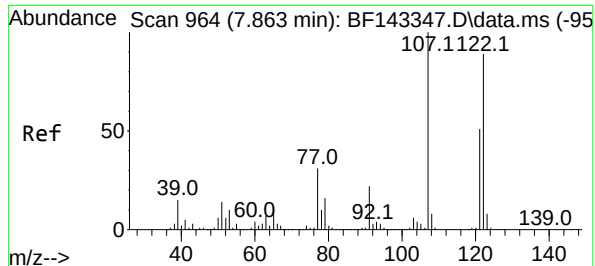
Ion Ratio Lower Upper

139 100

109 29.5 22.4 33.6

65 57.1 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 21.087 ng

RT: 7.857 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

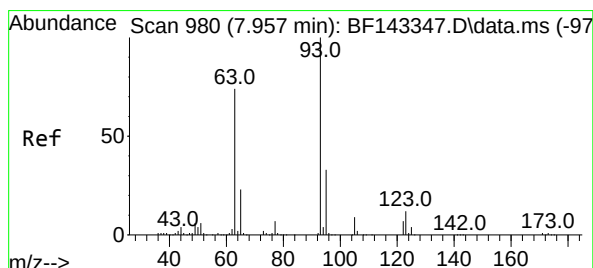
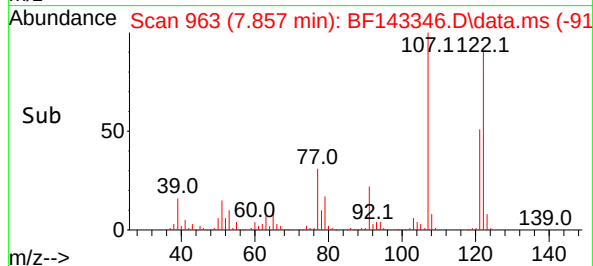
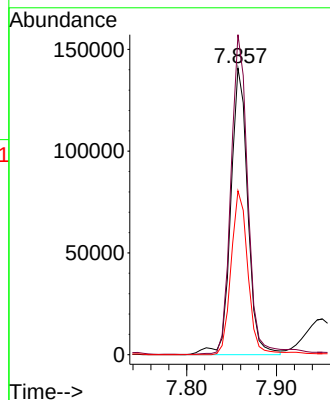
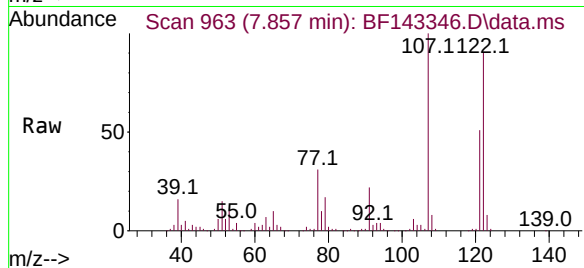
Tgt Ion:122 Resp: 184676

Ion Ratio Lower Upper

122 100

107 111.7 89.9 134.9

121 57.2 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 21.236 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

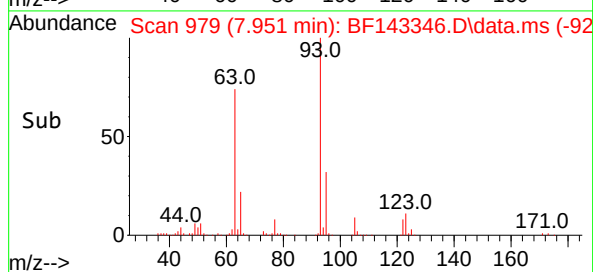
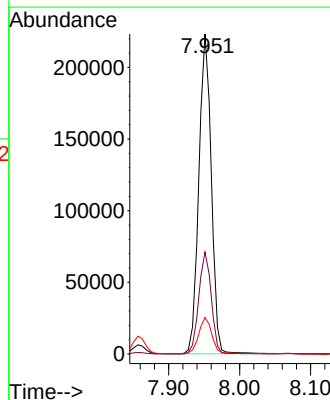
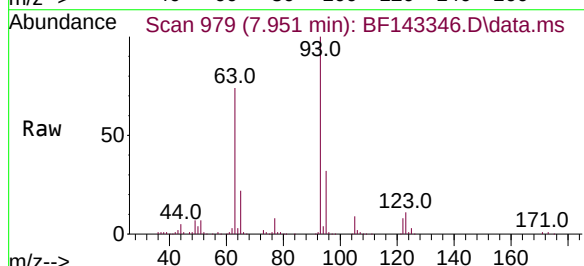
Tgt Ion: 93 Resp: 272180

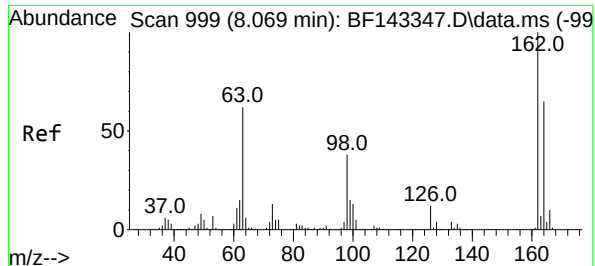
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.4

123 11.4 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 21.380 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.000 min

Lab File: BF143346.D

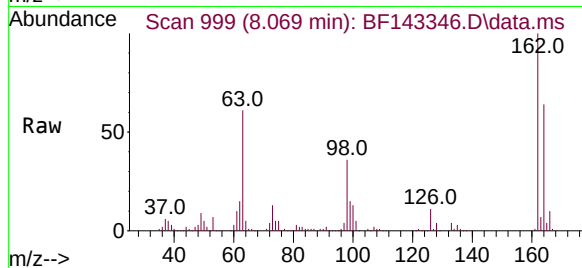
Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC020



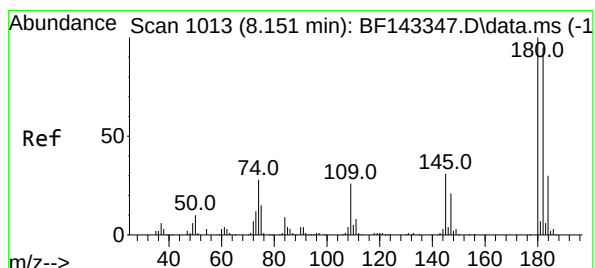
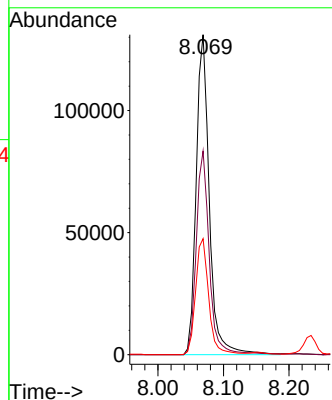
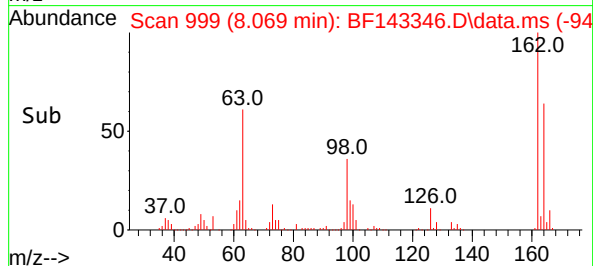
Tgt Ion:162 Resp: 182884

Ion Ratio Lower Upper

162 100

164 63.7 44.5 84.5

98 36.2 17.7 57.7



#30

1,2,4-Trichlorobenzene

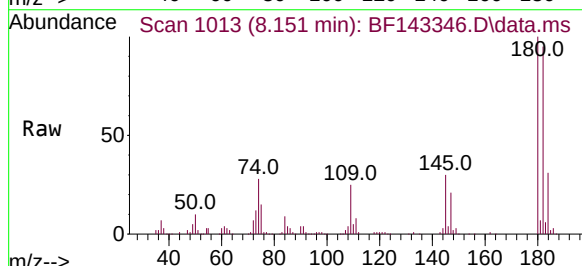
Concen: 21.247 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35



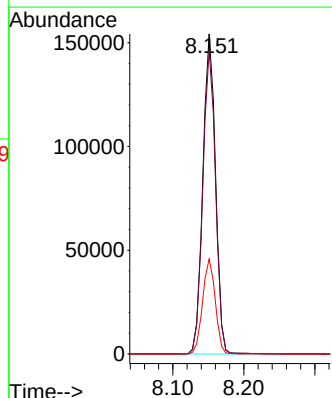
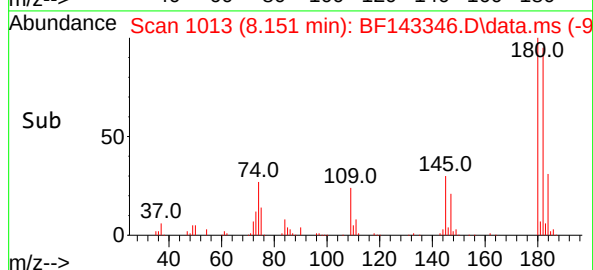
Tgt Ion:180 Resp: 191714

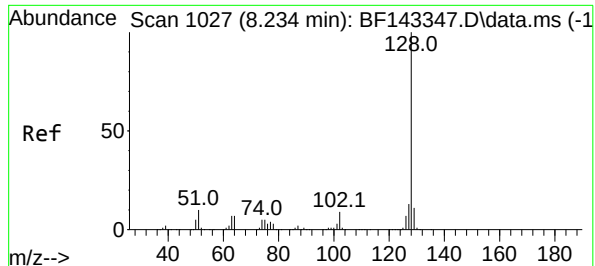
Ion Ratio Lower Upper

180 100

182 94.9 76.1 114.1

145 29.7 24.9 37.3





#31

Naphthalene

Concen: 21.378 ng

RT: 8.233 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

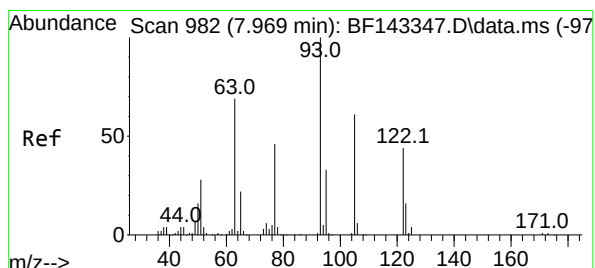
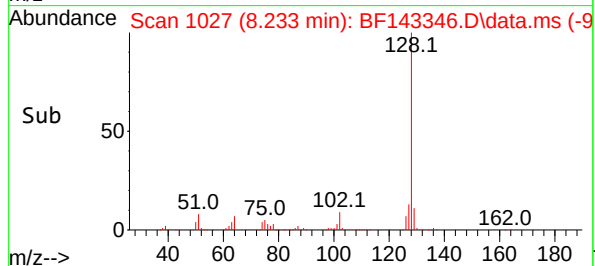
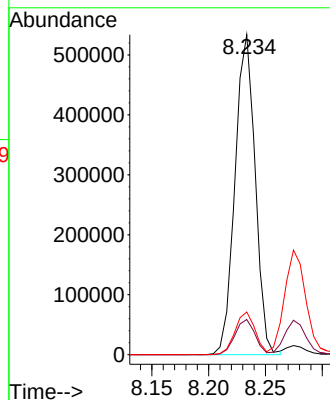
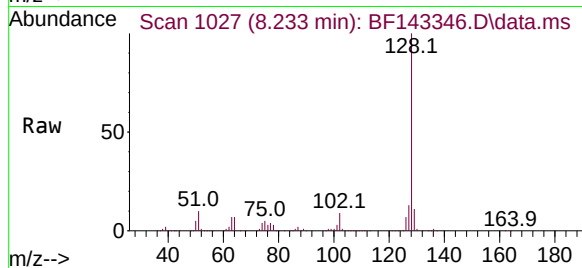
Tgt Ion:128 Resp: 658723

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

127 13.4 10.7 16.1



#32

Benzoic acid

Concen: 19.373 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.018 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

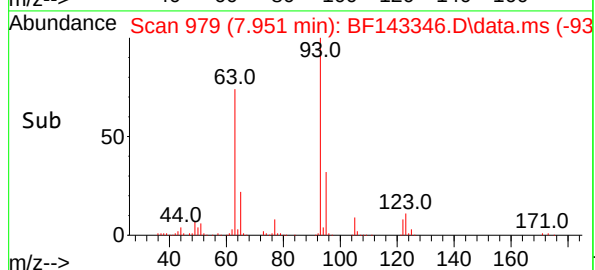
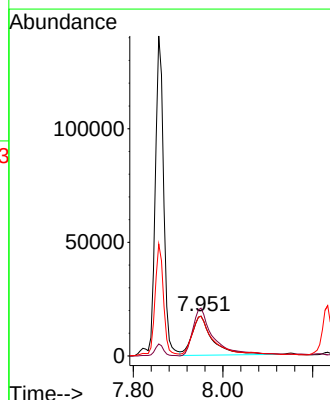
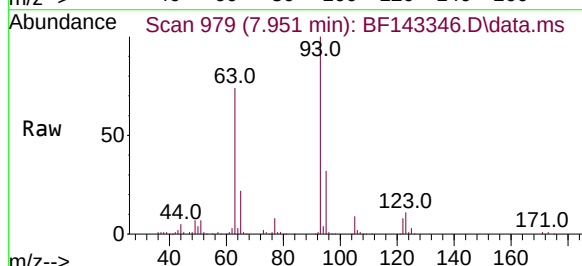
Tgt Ion:122 Resp: 54709

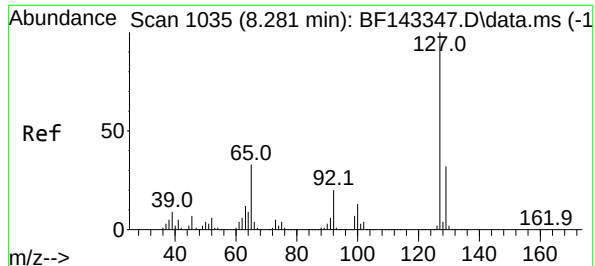
Ion Ratio Lower Upper

122 100

105 120.0 106.4 146.4

77 99.4 79.2 119.2

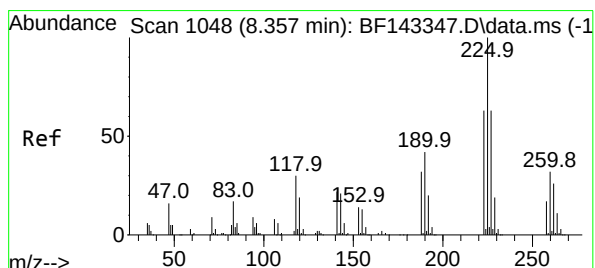
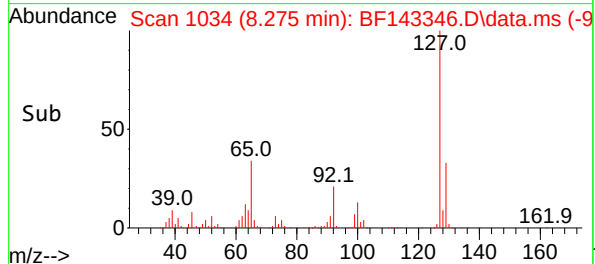
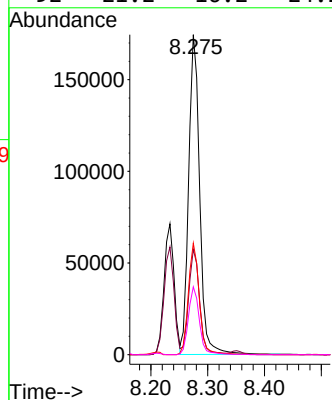
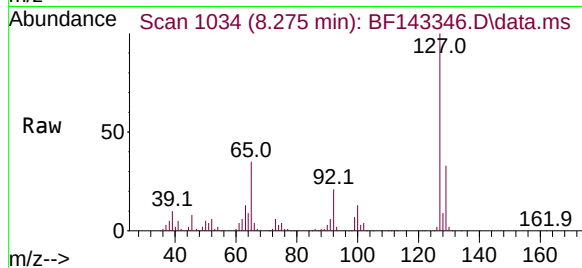




#33
4-Chloroaniline
Concen: 21.152 ng
RT: 8.275 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

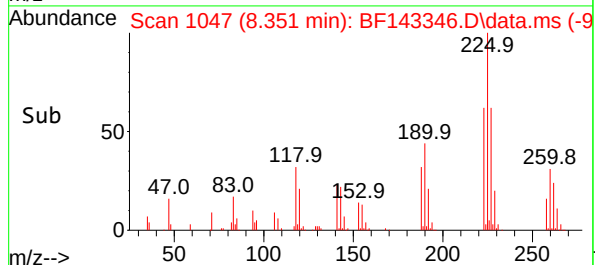
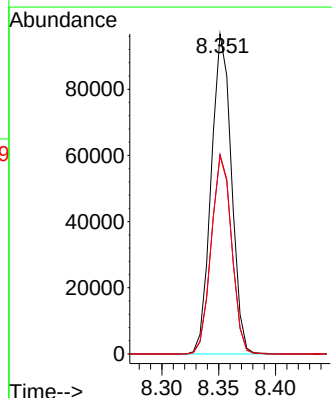
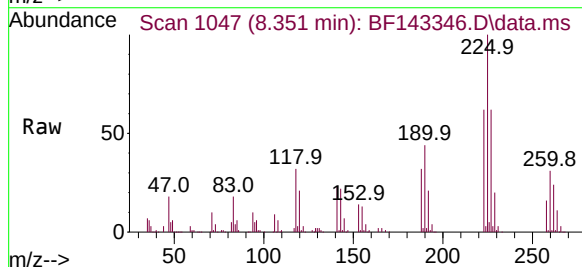
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

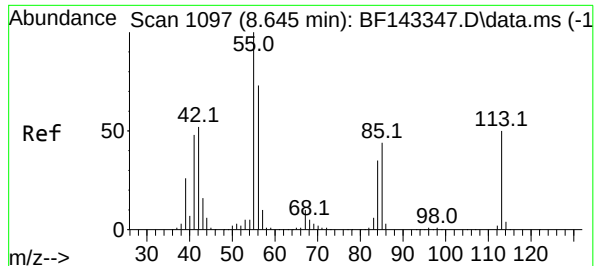
Tgt Ion:	127	Resp:	235075
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	34.8	27.0	40.4
92	21.2	16.2	24.2



#34
Hexachlorobutadiene
Concen: 21.308 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:	225	Resp:	119600
Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.1	75.1
227	61.9	50.6	75.8

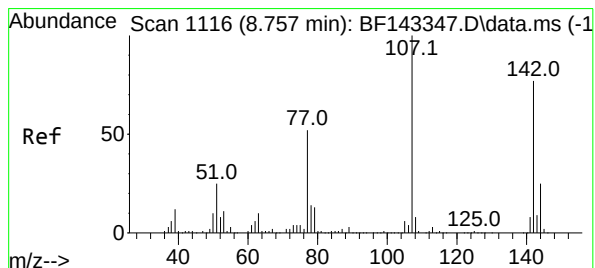
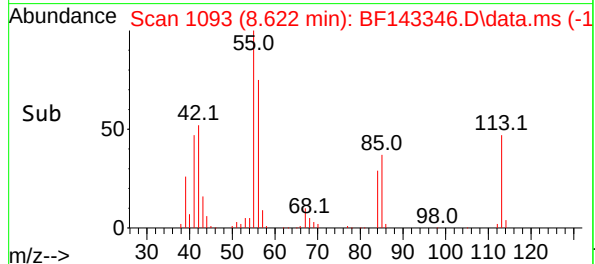
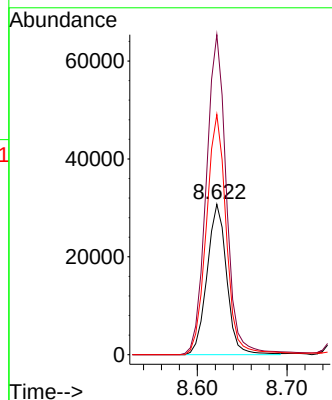
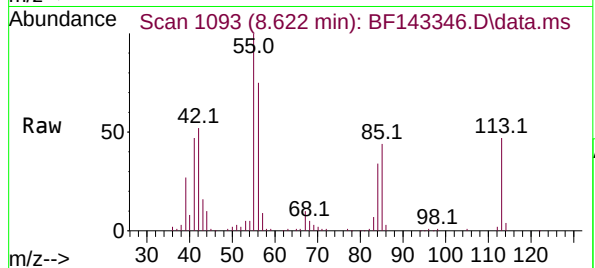




#35
Caprolactam
Concen: 19.474 ng
RT: 8.622 min Scan# 1093
Delta R.T. -0.024 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

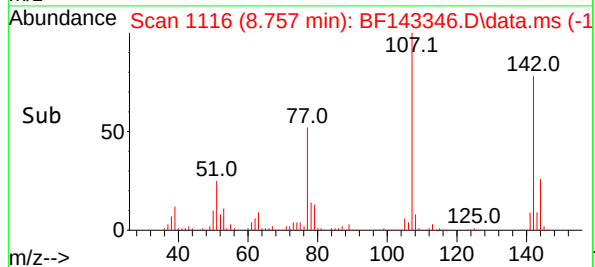
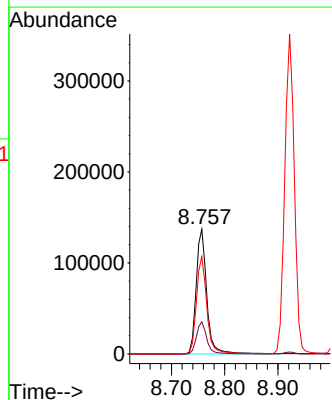
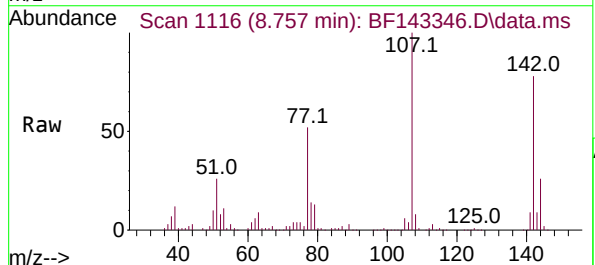
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

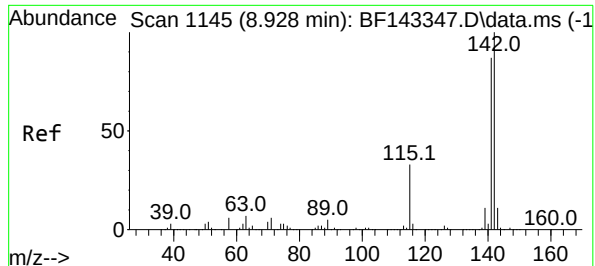
Tgt Ion:113 Resp: 46828
Ion Ratio Lower Upper
113 100
55 212.8 181.4 221.4
56 159.7 127.3 167.3



#36
4-Chloro-3-methylphenol
Concen: 21.148 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:107 Resp: 189645
Ion Ratio Lower Upper
107 100
144 25.8 20.0 30.0
142 78.0 61.3 91.9





#37

2-Methylnaphthalene

Concen: 21.540 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

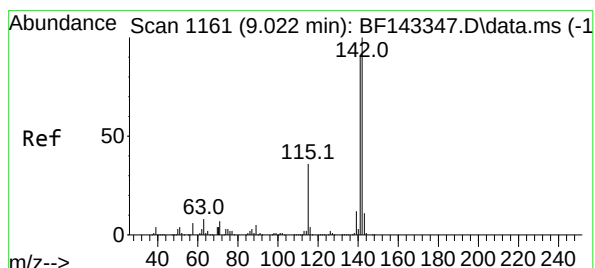
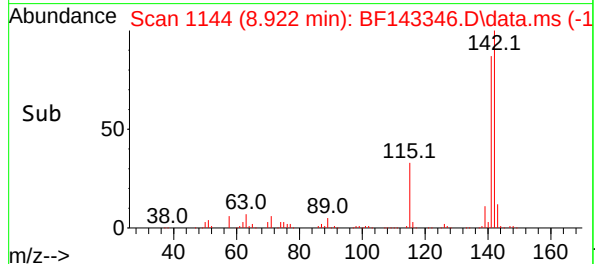
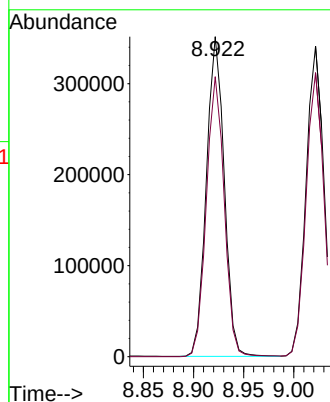
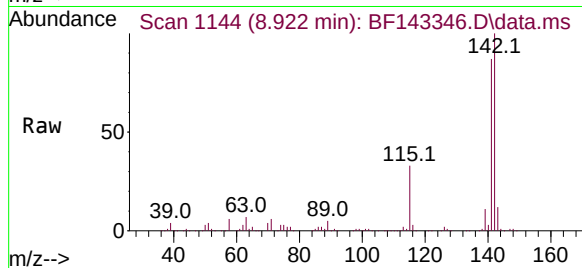
SSTDICC020

Tgt Ion:142 Resp: 436344

Ion Ratio Lower Upper

142 100

141 87.5 69.8 104.8



#38

1-Methylnaphthalene

Concen: 21.421 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF143346.D

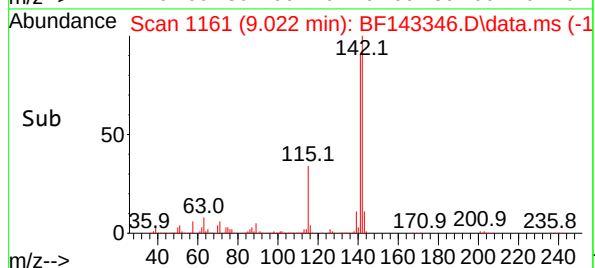
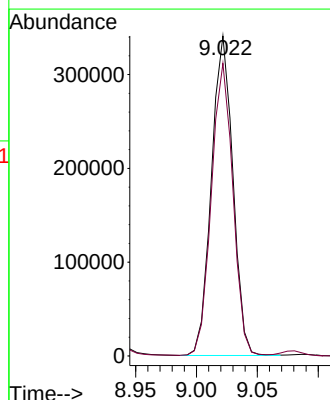
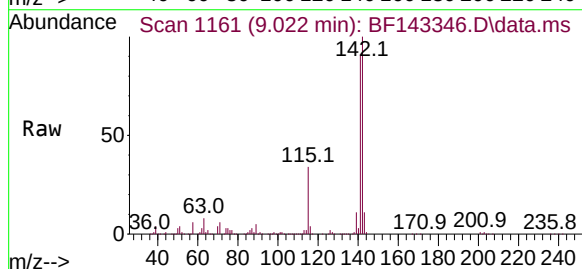
Acq: 12 Aug 2025 10:35

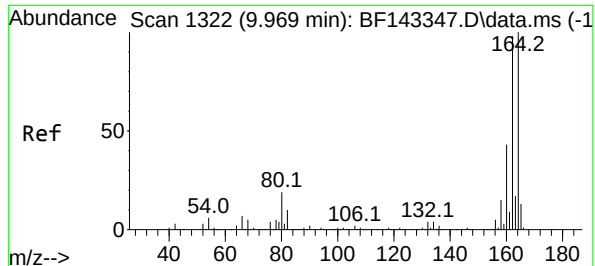
Tgt Ion:142 Resp: 417915

Ion Ratio Lower Upper

142 100

141 91.5 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

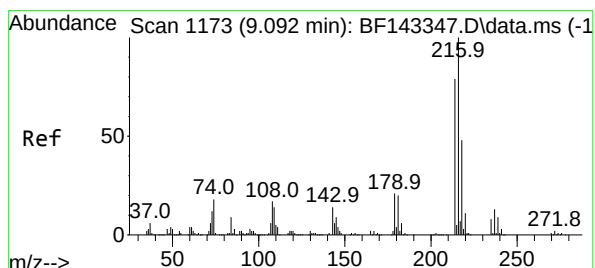
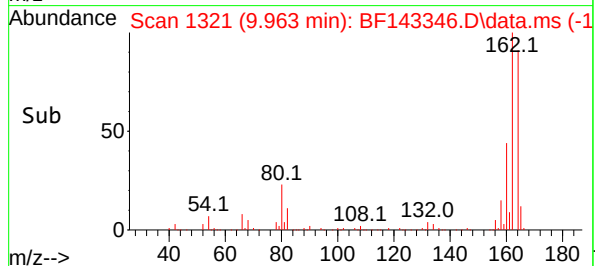
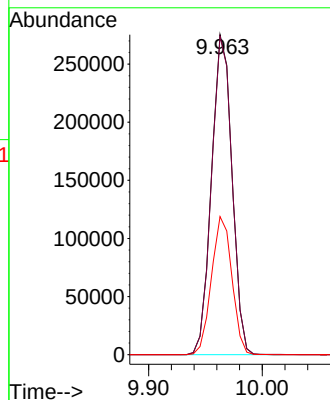
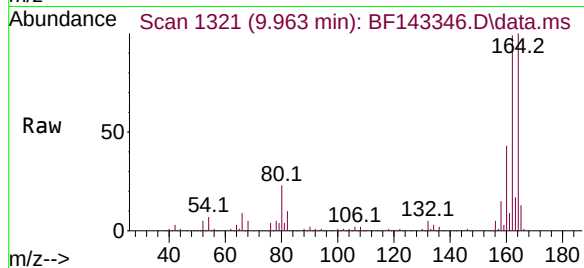
Tgt Ion:164 Resp: 345152

Ion Ratio Lower Upper

164 100

162 99.4 78.6 118.0

160 43.2 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.001 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Tgt Ion:216 Resp: 198354

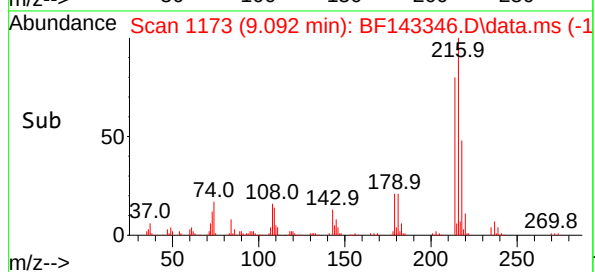
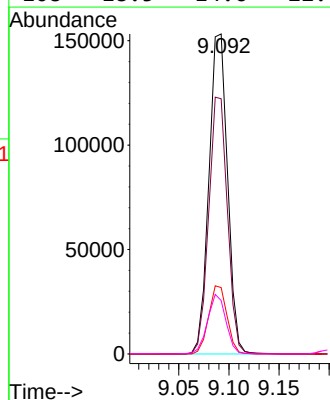
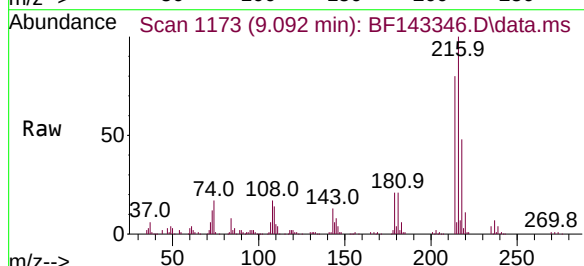
Ion Ratio Lower Upper

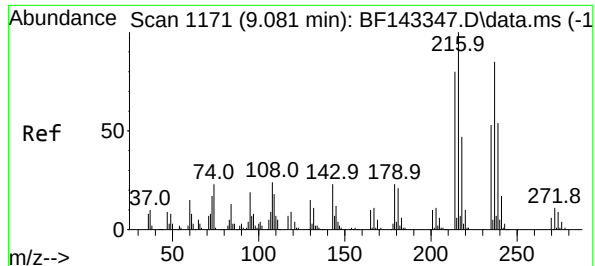
216 100

214 80.4 63.0 94.4

179 21.0 17.0 25.4

108 18.5 14.6 22.0

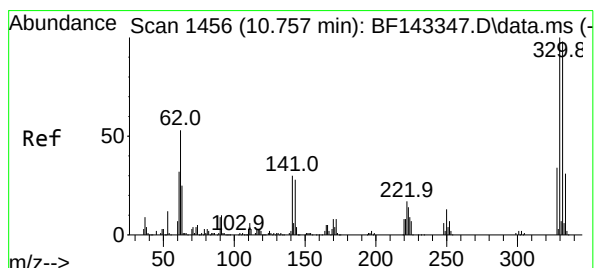
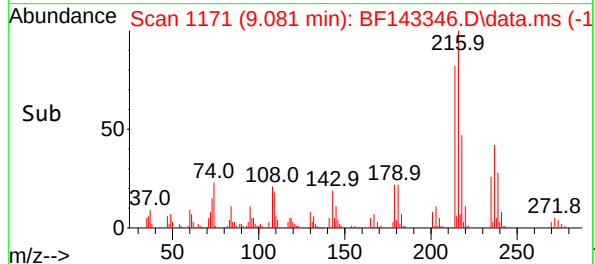
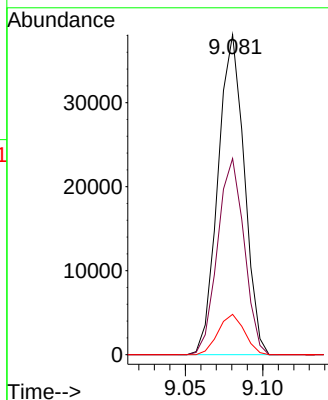
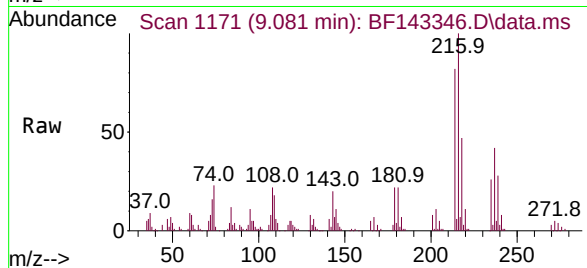




#41
Hexachlorocyclopentadiene
Concen: 19.003 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

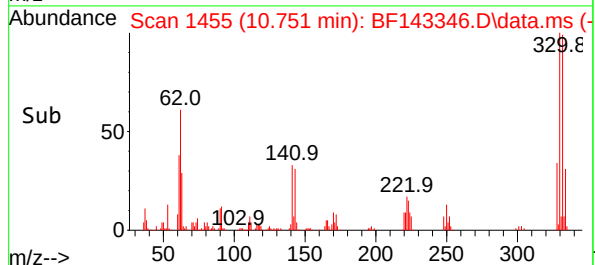
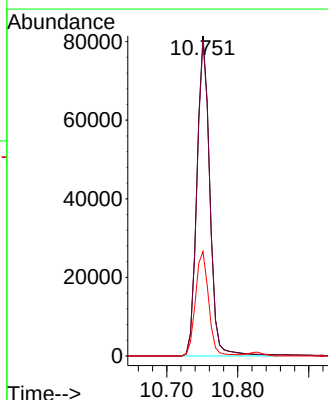
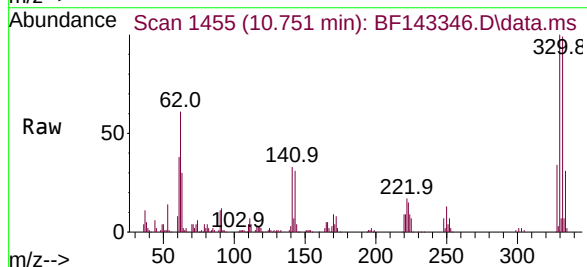
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

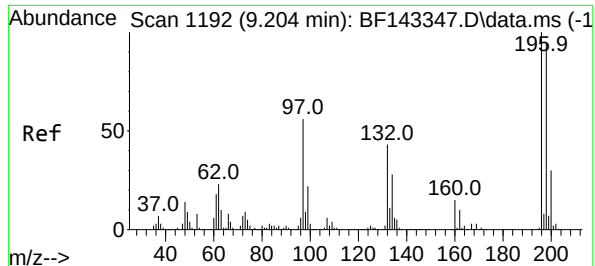
Tgt Ion:	237	Resp:	44965
Ion Ratio	Lower	Upper	
237	100		
235	61.3	42.0	82.0
272	12.6	0.0	32.6



#42
2,4,6-Tribromophenol
Concen: 40.847 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:	330	Resp:	103035
Ion Ratio	Lower	Upper	
330	100		
332	98.7	78.1	117.1
141	33.2	25.4	38.0





#43

2,4,6-Trichlorophenol

Concen: 20.378 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

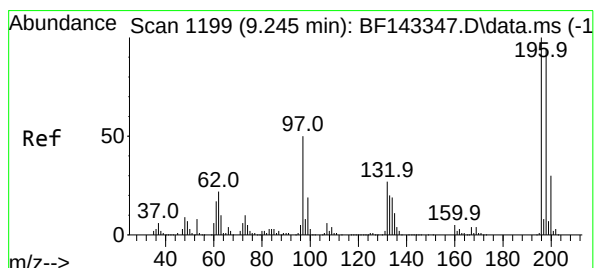
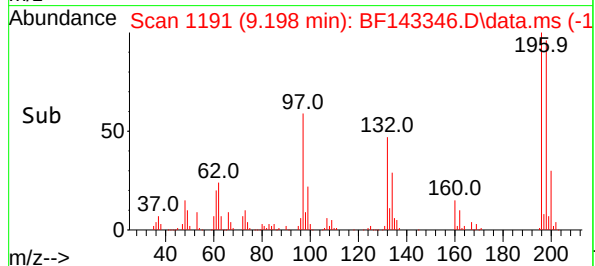
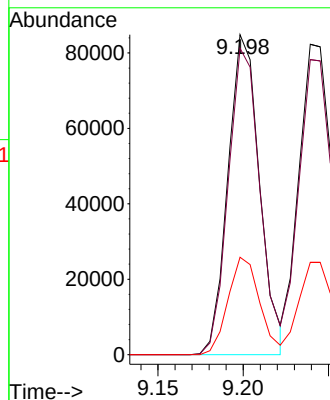
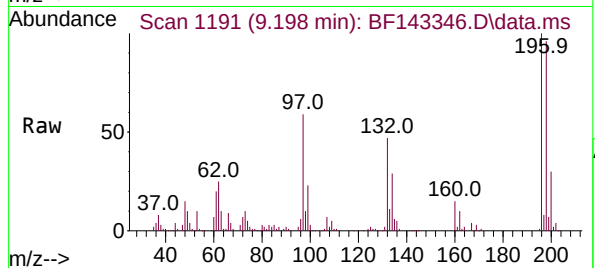
Tgt Ion:196 Resp: 109203

Ion Ratio Lower Upper

196 100

198 95.7 75.4 113.0

200 30.4 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 20.892 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Tgt Ion:196 Resp: 126432

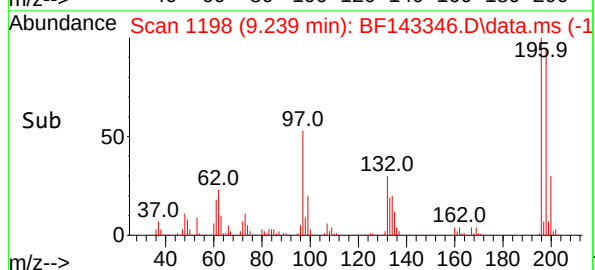
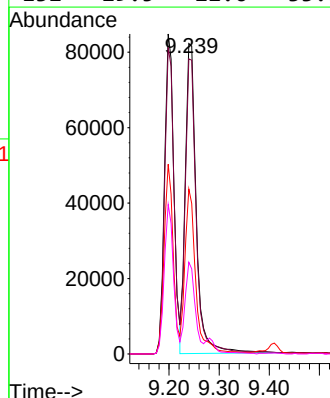
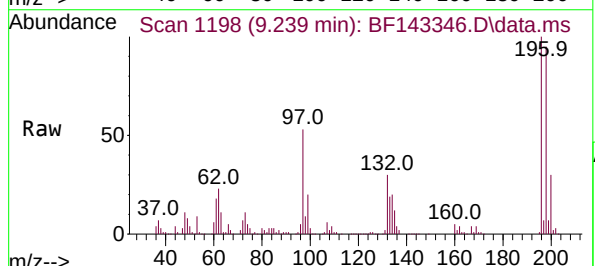
Ion Ratio Lower Upper

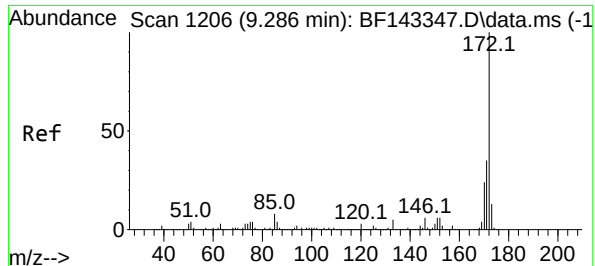
196 100

198 95.1 75.4 113.2

97 53.1 39.9 59.9

132 29.5 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 43.569 ng

RT: 9.280 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

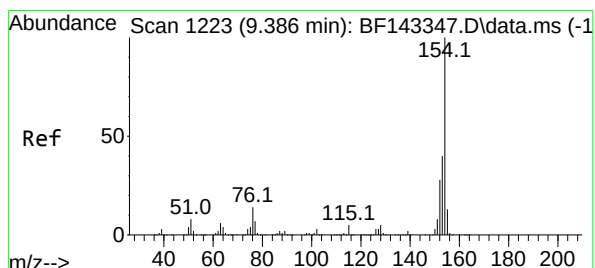
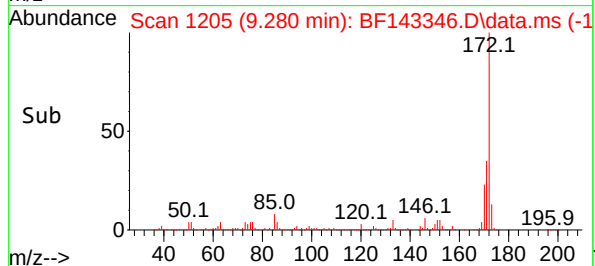
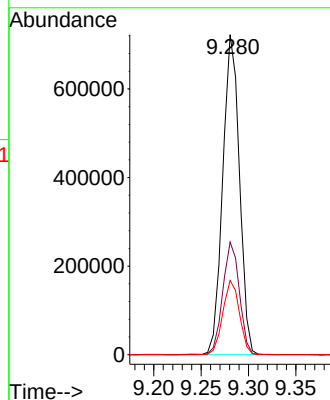
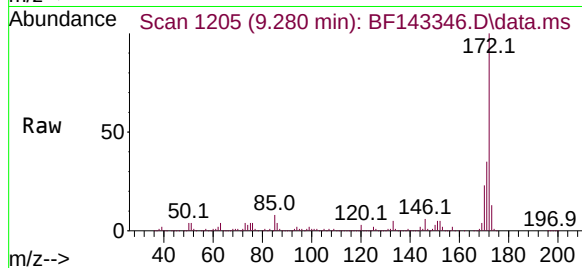
Tgt Ion:172 Resp: 886799

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.2 19.1 28.7



#46

1,1'-Biphenyl

Concen: 21.447 ng

RT: 9.380 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

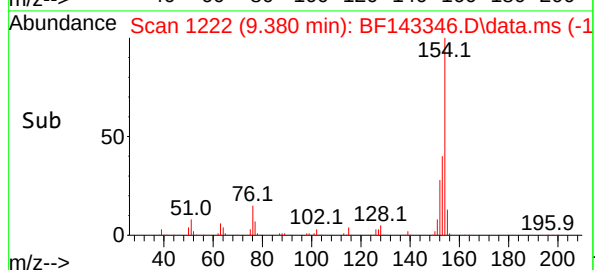
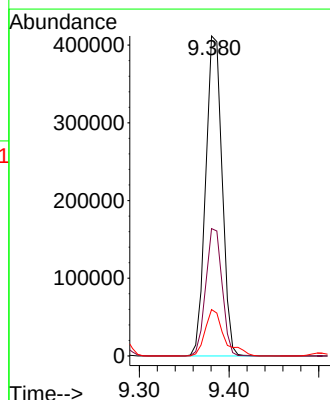
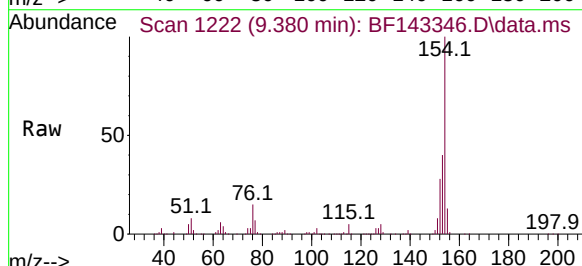
Tgt Ion:154 Resp: 523392

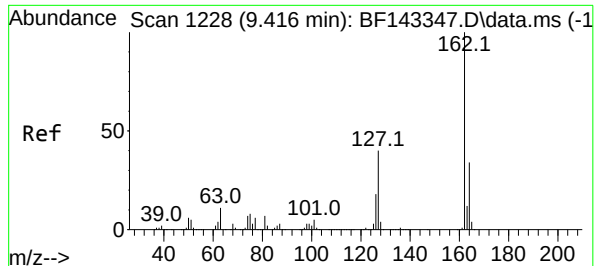
Ion Ratio Lower Upper

154 100

153 39.8 20.2 60.2

76 14.5 0.0 34.4





#47

2-Chloronaphthalene

Concen: 21.196 ng

RT: 9.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

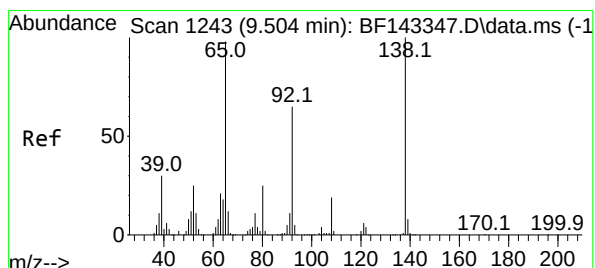
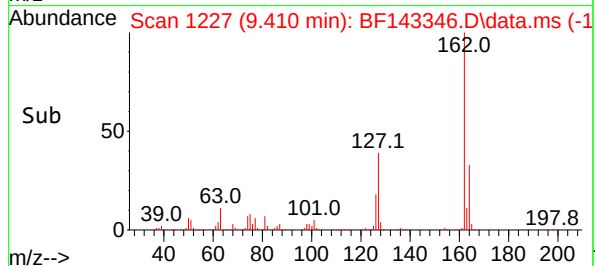
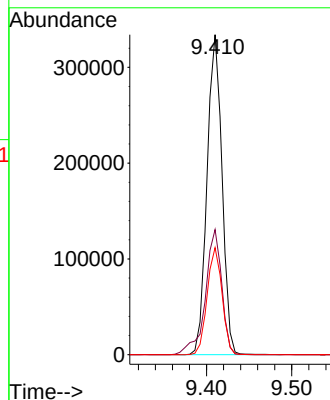
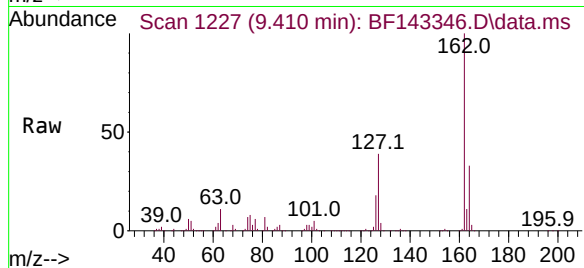
Tgt Ion:162 Resp: 407385

Ion Ratio Lower Upper

162 100

127 39.1 32.1 48.1

164 33.4 27.0 40.4



#48

2-Nitroaniline

Concen: 19.121 ng

RT: 9.498 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

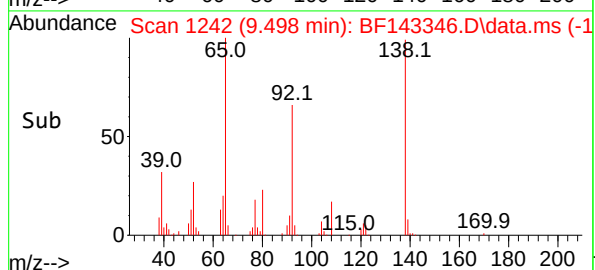
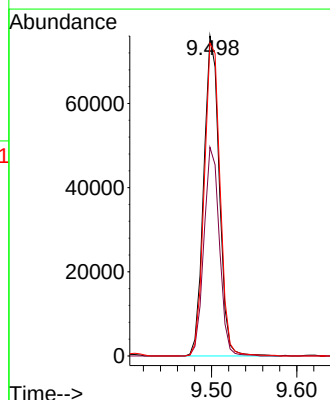
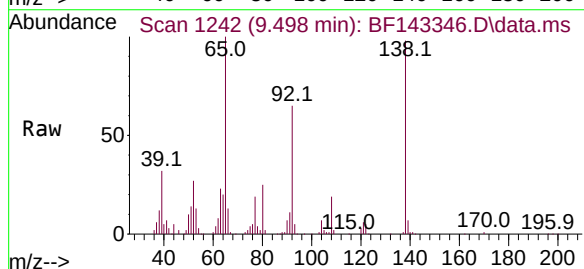
Tgt Ion: 65 Resp: 96206

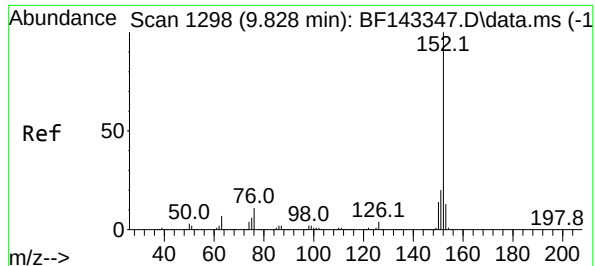
Ion Ratio Lower Upper

65 100

92 65.2 53.1 79.7

138 97.7 81.4 122.0





#49

Acenaphthylene

Concen: 21.374 ng

RT: 9.828 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

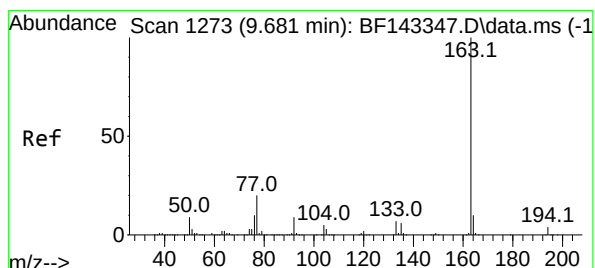
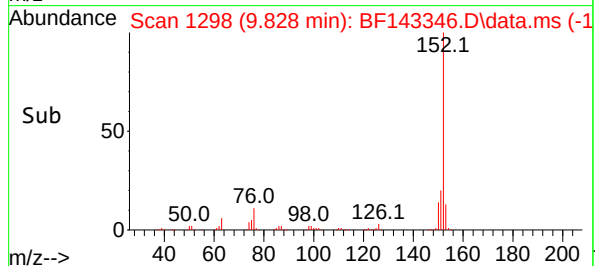
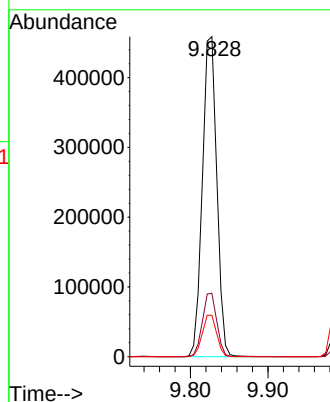
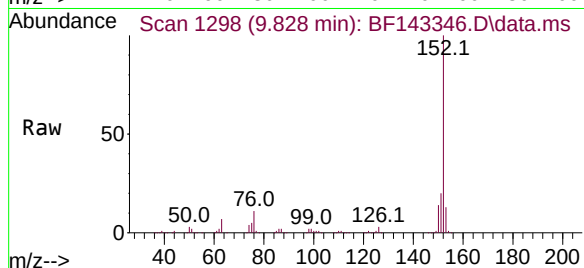
Tgt Ion:152 Resp: 593246

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.2

153 13.0 10.6 16.0



#50

Dimethylphthalate

Concen: 21.297 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

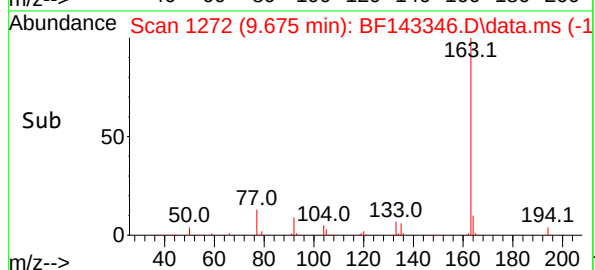
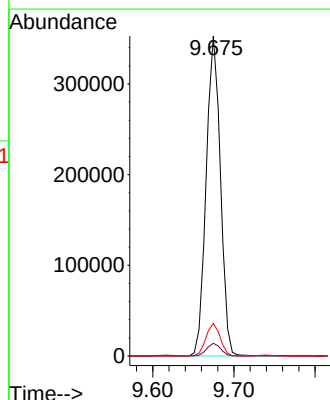
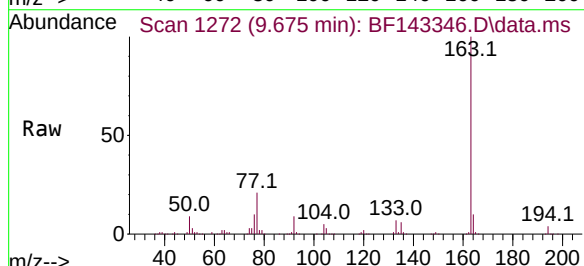
Tgt Ion:163 Resp: 429516

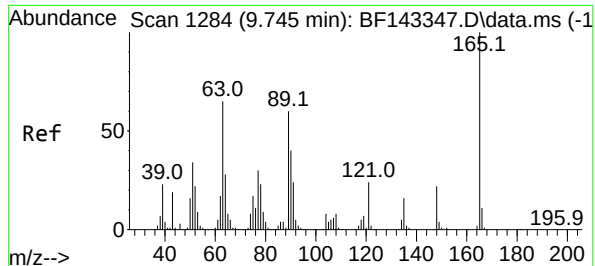
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 18.954 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

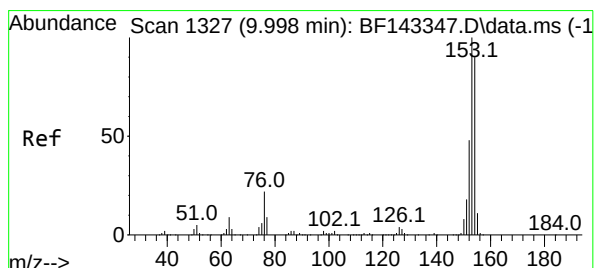
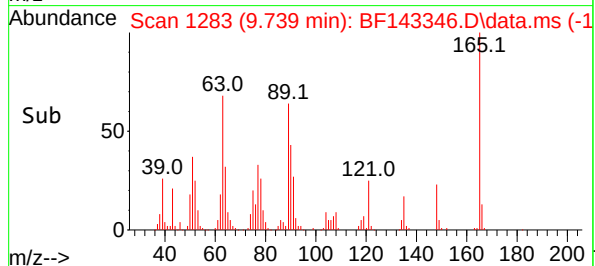
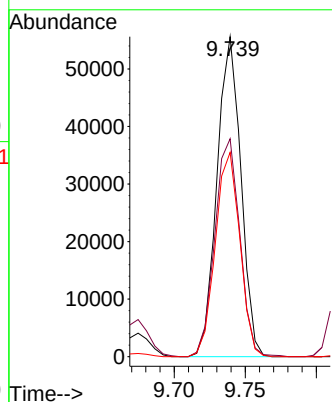
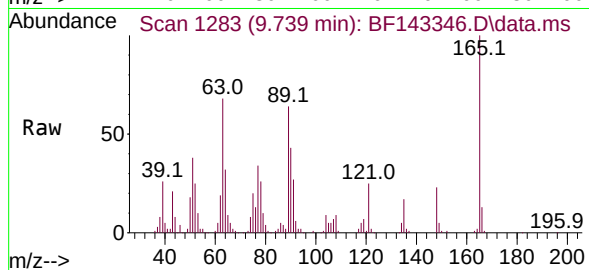
Tgt Ion:165 Resp: 65043

Ion Ratio Lower Upper

165 100

63 68.1 51.6 77.4

89 63.9 47.7 71.5



#52

Acenaphthene

Concen: 20.959 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

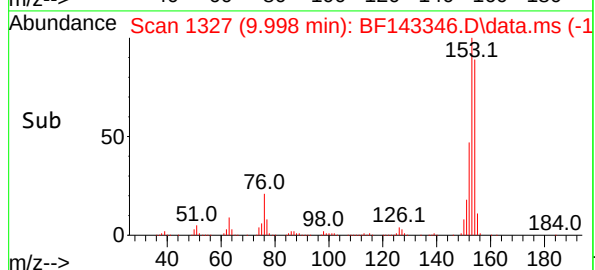
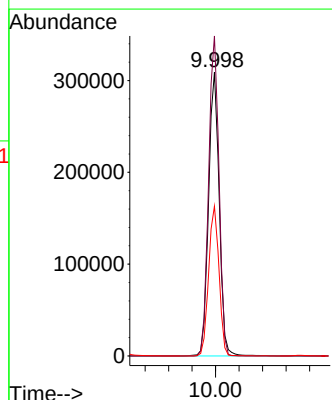
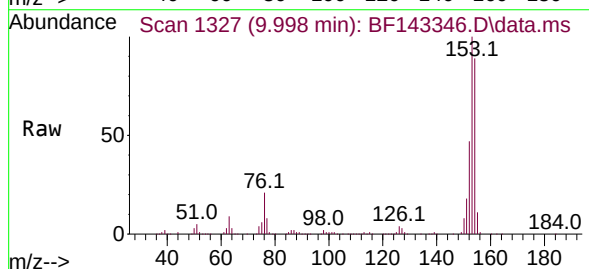
Tgt Ion:154 Resp: 386752

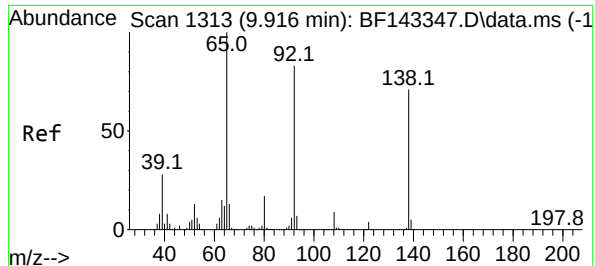
Ion Ratio Lower Upper

154 100

153 112.8 88.5 132.7

152 52.8 42.4 63.6





#53

3-Nitroaniline

Concen: 20.928 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

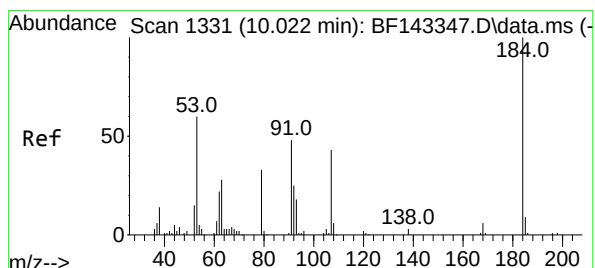
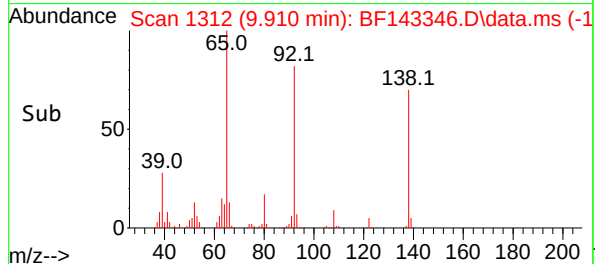
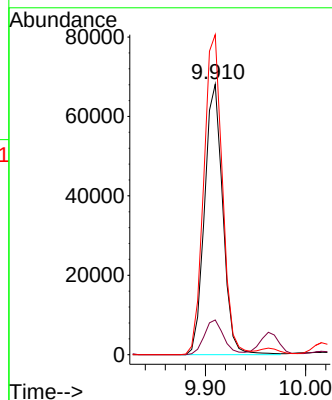
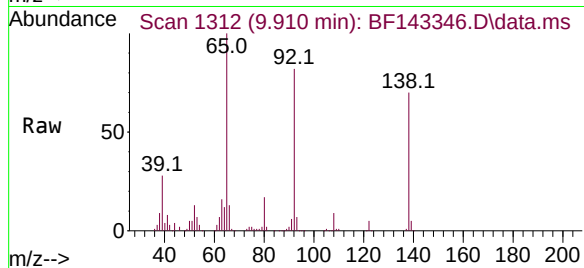
Tgt Ion:138 Resp: 86436

Ion Ratio Lower Upper

138 100

108 12.9 9.6 14.4

92 118.3 93.4 140.2



#54

2,4-Dinitrophenol

Concen: 19.272 ng

RT: 10.016 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

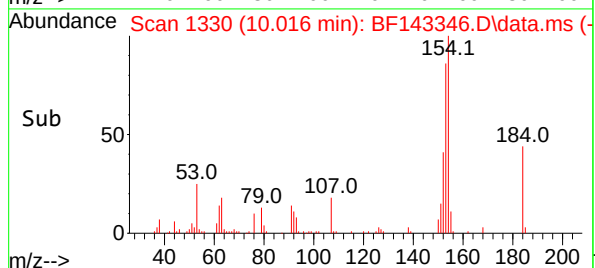
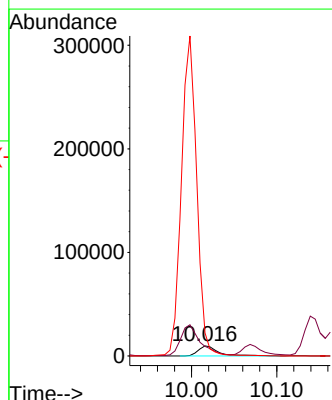
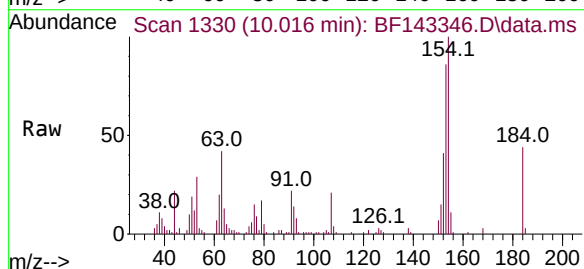
Tgt Ion:184 Resp: 15765

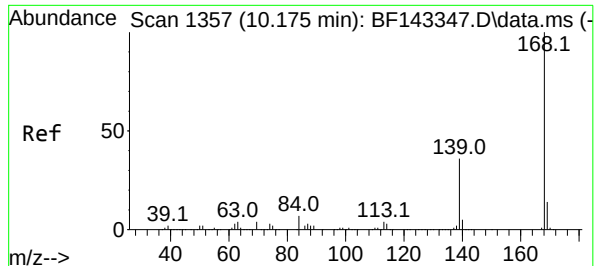
Ion Ratio Lower Upper

184 100

63 95.6 62.5 93.7#

154 228.4 73.0 109.4#





#55

Dibenzenofuran

Concen: 21.238 ng

RT: 10.169 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

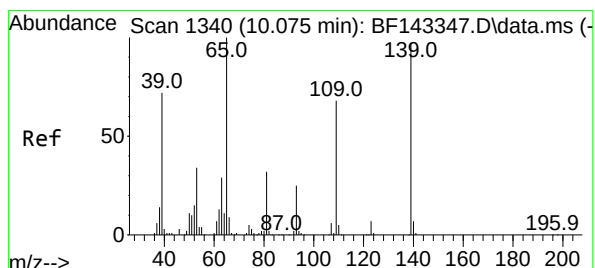
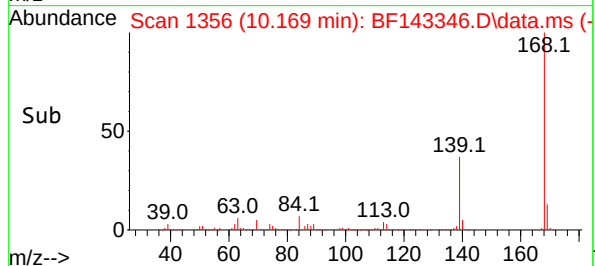
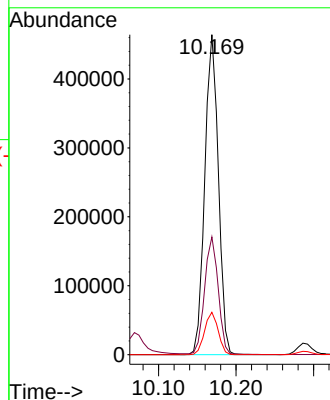
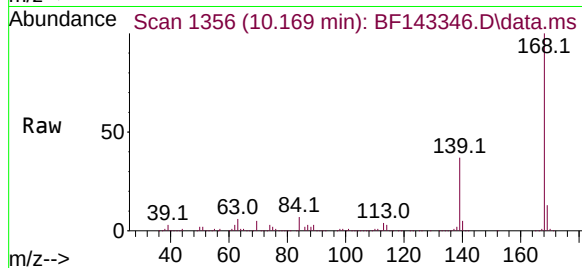
Tgt Ion:168 Resp: 564025

Ion Ratio Lower Upper

168 100

139 36.8 29.4 44.0

169 13.3 11.0 16.6



#56

4-Nitrophenol

Concen: 19.809 ng

RT: 10.069 min Scan# 1339

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

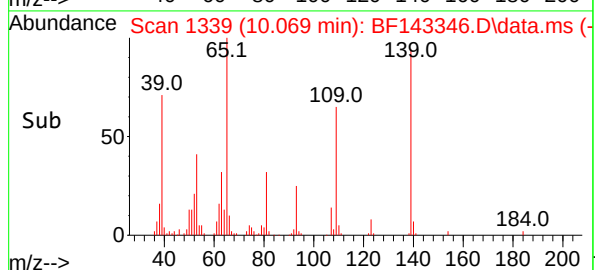
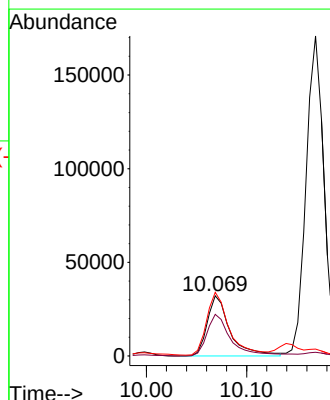
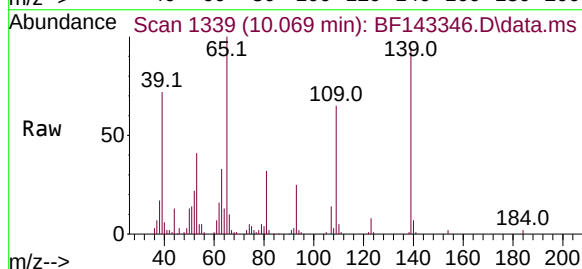
Tgt Ion:139 Resp: 50785

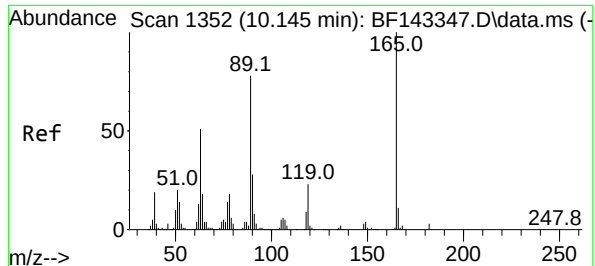
Ion Ratio Lower Upper

139 100

109 69.3 49.4 89.4

65 105.9 83.7 123.7

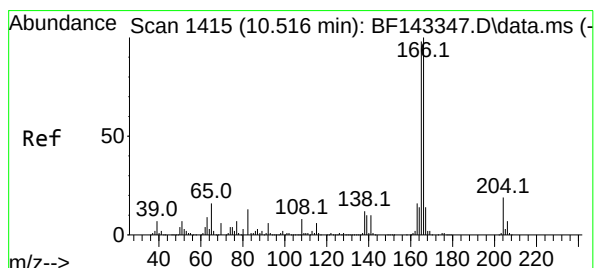
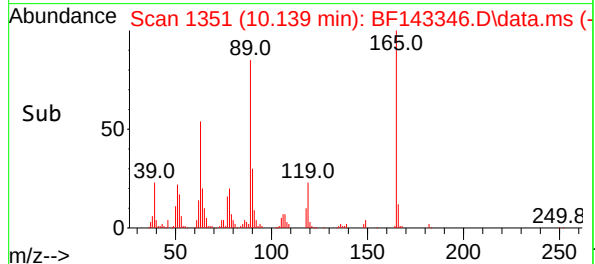
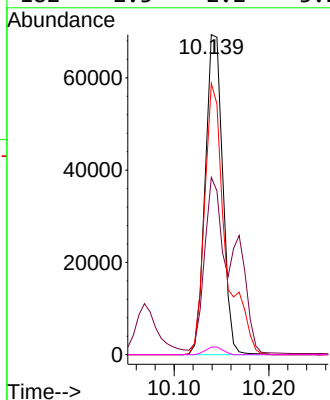
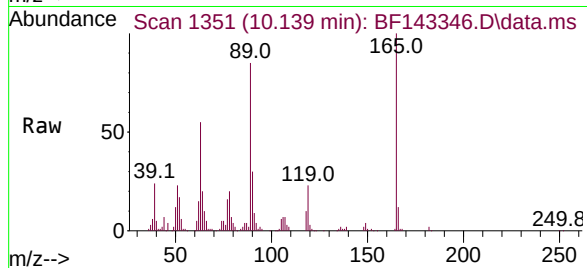




#57
2,4-Dinitrotoluene
Concen: 19.432 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

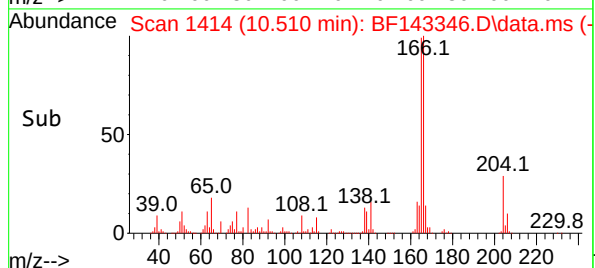
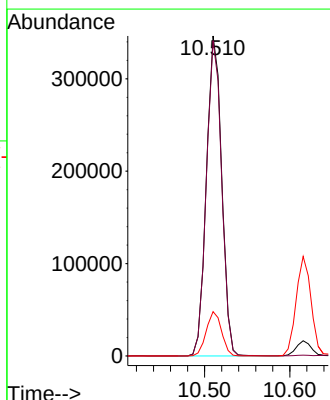
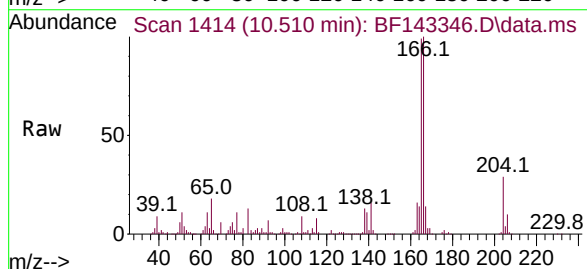
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

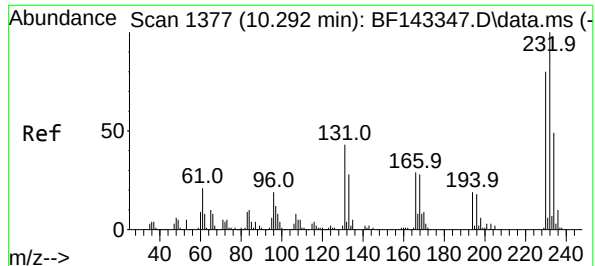
Tgt Ion:165	Resp:	88718
Ion	Ratio	Lower Upper
165	100	
63	55.4	41.8 62.8
89	84.8	62.4 93.6
182	2.3	2.2 3.2



#58
Fluorene
Concen: 21.289 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:166	Resp:	431847
Ion	Ratio	Lower Upper
166	100	
165	98.5	78.2 117.4
167	13.9	10.9 16.3

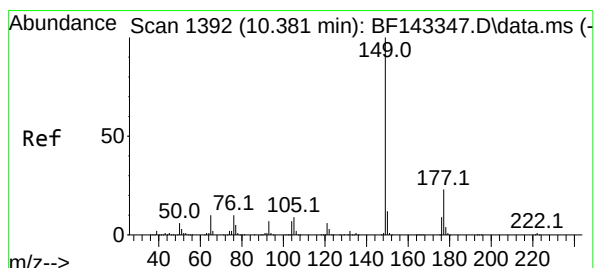
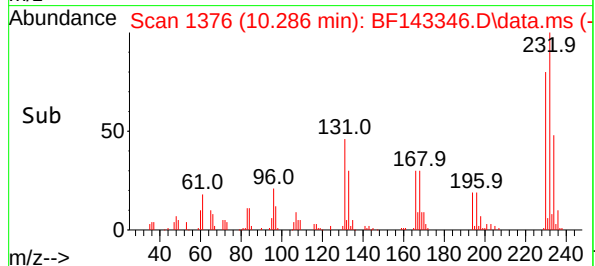
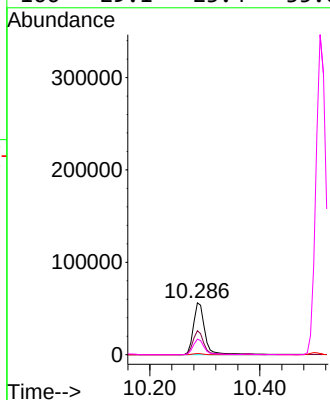
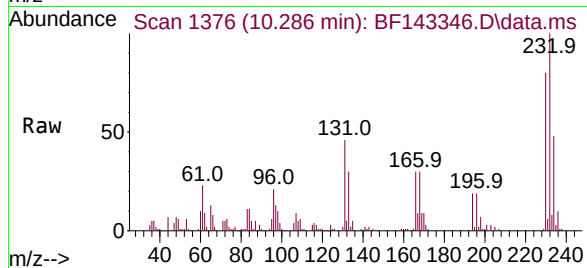




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.975 ng
RT: 10.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

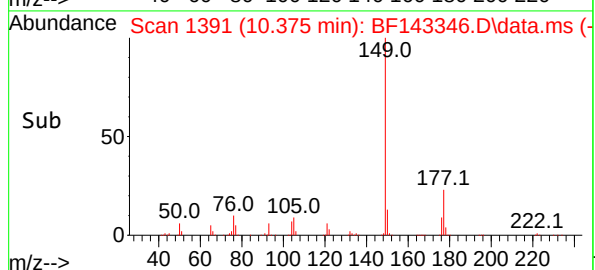
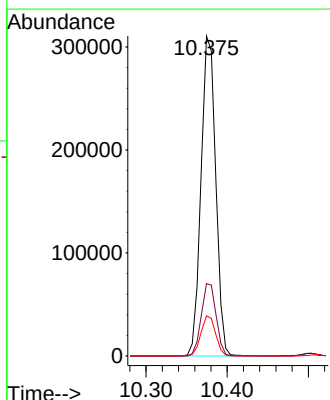
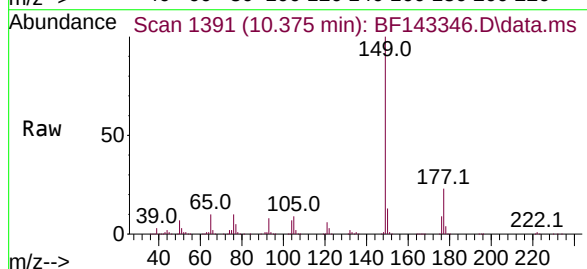
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

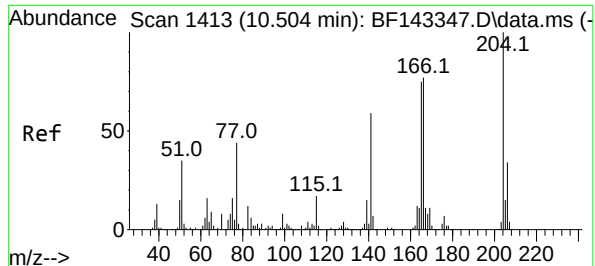
Tgt Ion:232 Resp: 81483
Ion Ratio Lower Upper
232 100
131 43.9 34.6 51.8
130 1.9 1.7 2.5
166 29.1 23.4 35.0



#60
Diethylphthalate
Concen: 21.624 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 390634
Ion Ratio Lower Upper
149 100
177 22.6 18.2 27.2
150 12.6 9.9 14.9

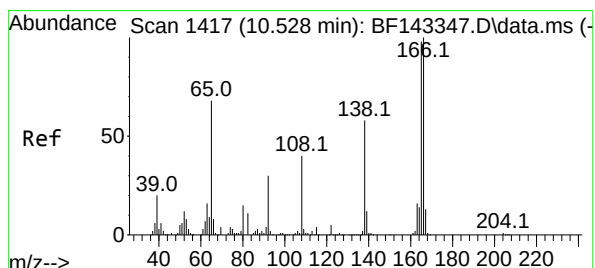
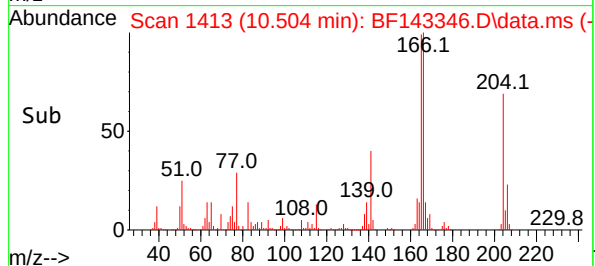
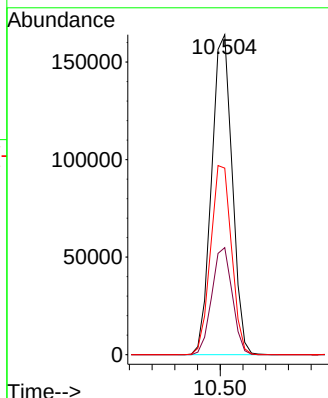
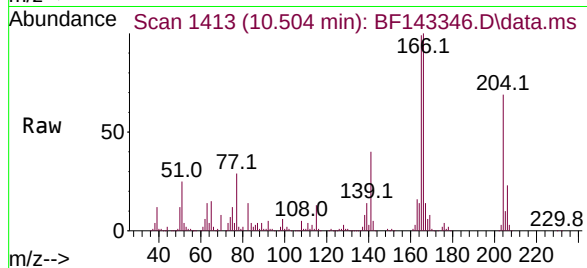




#61
4-Chlorophenyl-phenylether
Concen: 21.124 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

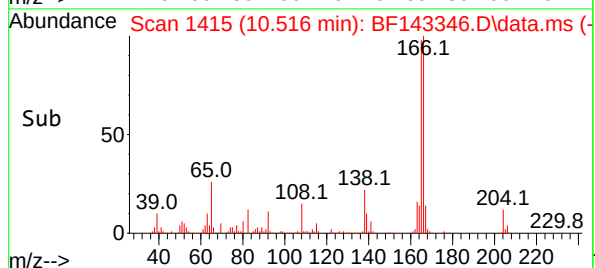
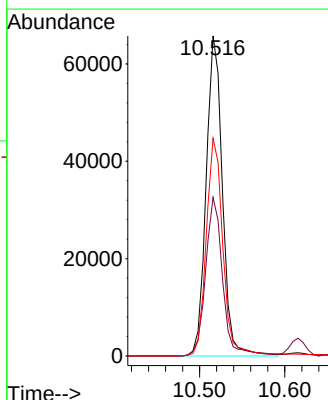
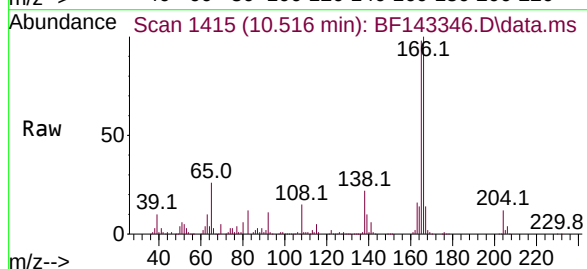
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

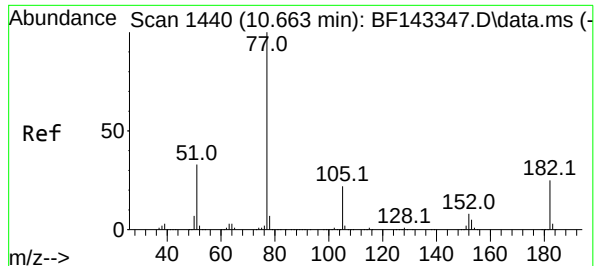
Tgt Ion:204 Resp: 207053
Ion Ratio Lower Upper
204 100
206 33.5 27.4 41.2
141 58.3 46.9 70.3



#62
4-Nitroaniline
Concen: 21.864 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:138 Resp: 87370
Ion Ratio Lower Upper
138 100
92 49.5 31.2 71.2
108 68.0 48.1 88.1

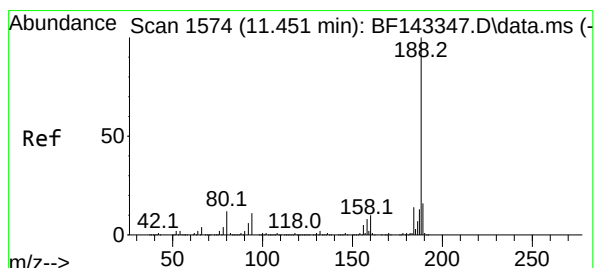
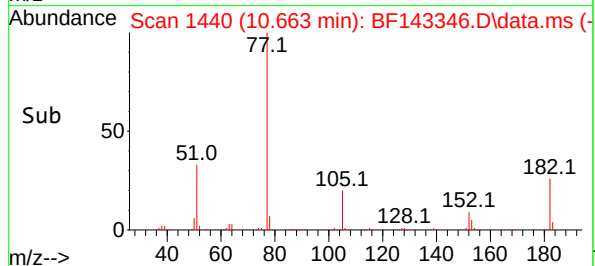
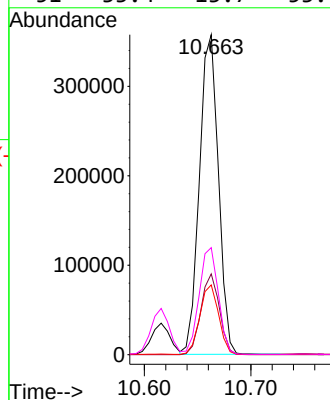
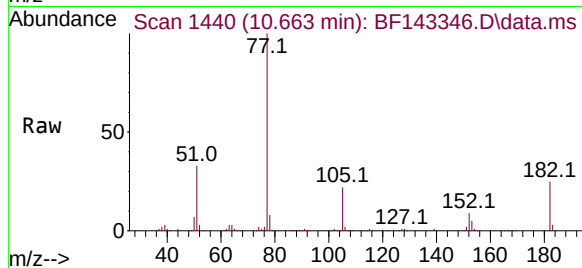




#63
Azobenzene
Concen: 21.493 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

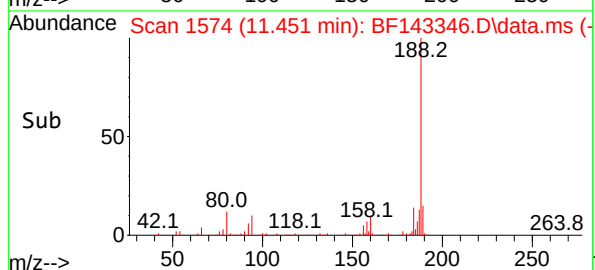
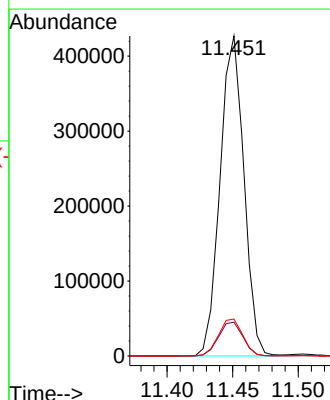
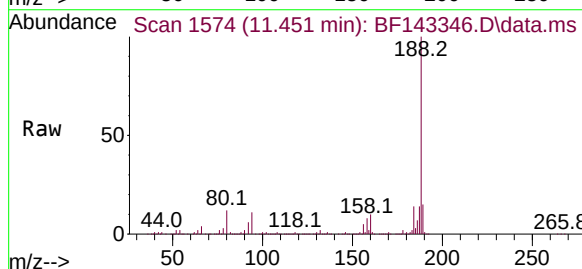
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

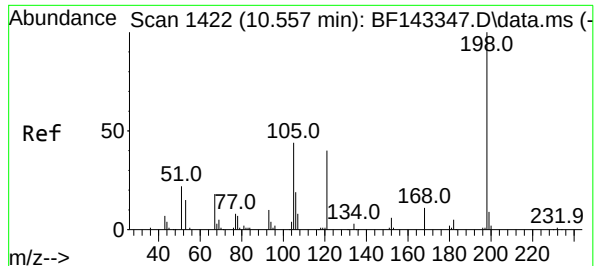
Tgt Ion: 77	Resp: 443476
Ion Ratio	Lower Upper
77	100
182	25.3 4.4 44.4
105	21.8 1.8 41.8
51	33.4 13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 188	Resp: 538915
Ion Ratio	Lower Upper
188	100
94	10.6 8.8 13.2
80	11.6 9.7 14.5

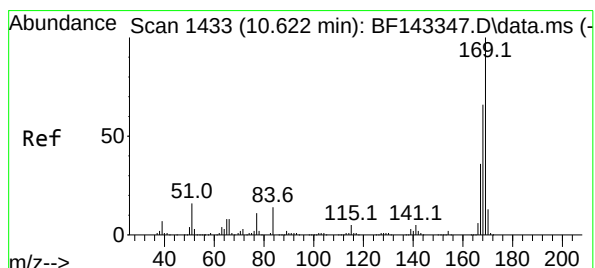
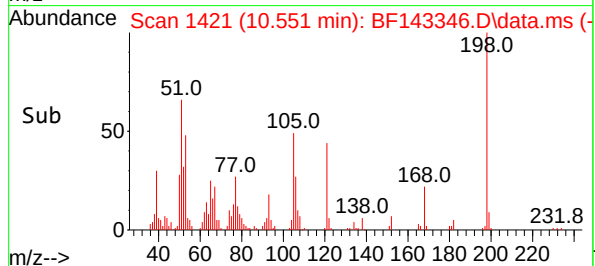
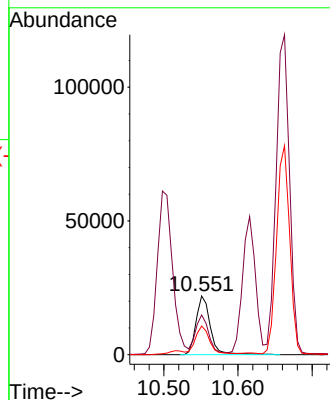
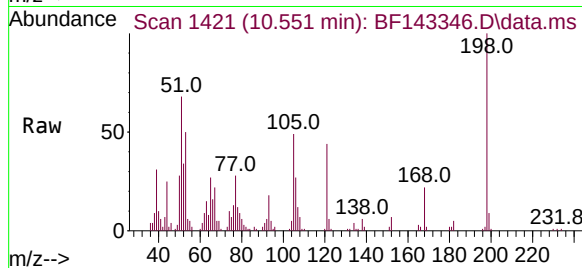




#65
4,6-Dinitro-2-methylphenol
Concen: 18.676 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

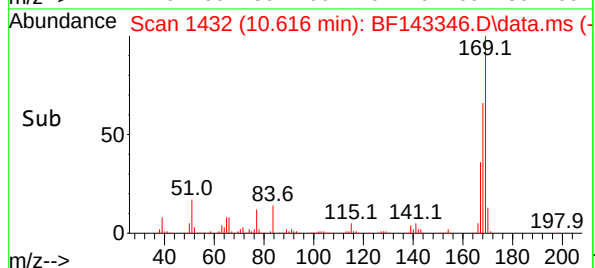
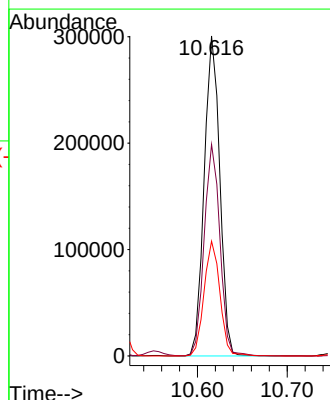
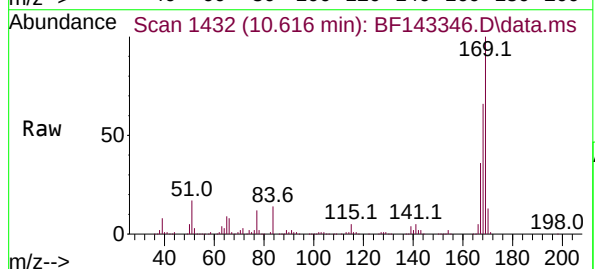
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

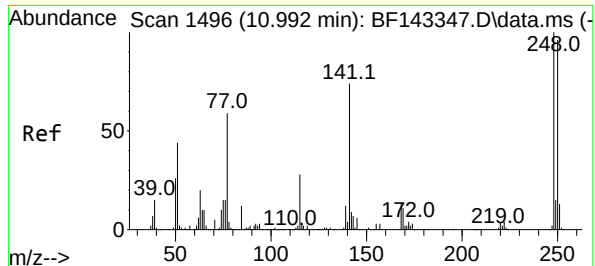
Tgt Ion:198 Resp: 29324
Ion Ratio Lower Upper
198 100
51 67.6 41.7 81.7
105 48.9 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 20.469 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:169 Resp: 363227
Ion Ratio Lower Upper
169 100
168 66.1 52.7 79.1
167 35.8 28.6 42.8

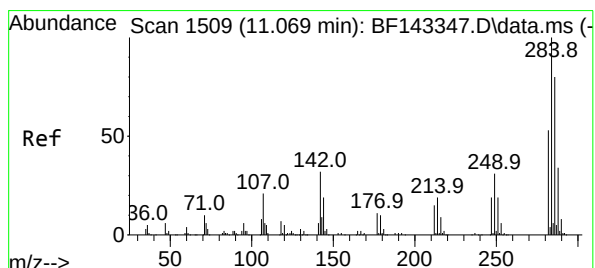
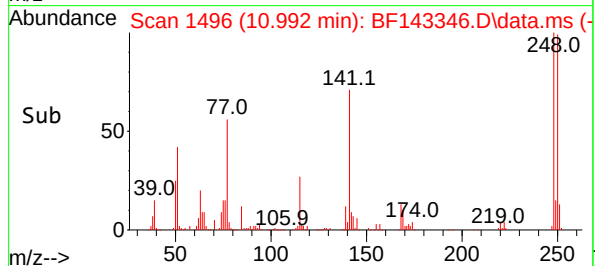
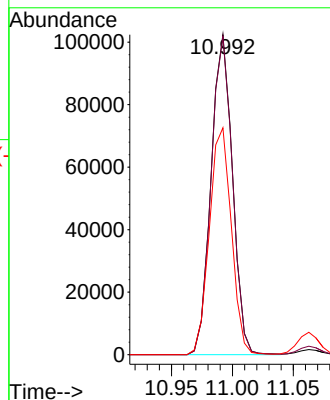
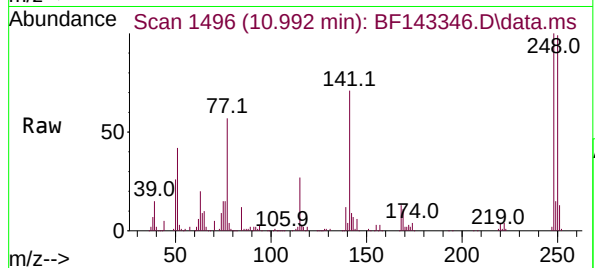




#67
4-Bromophenyl-phenylether
Concen: 20.293 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

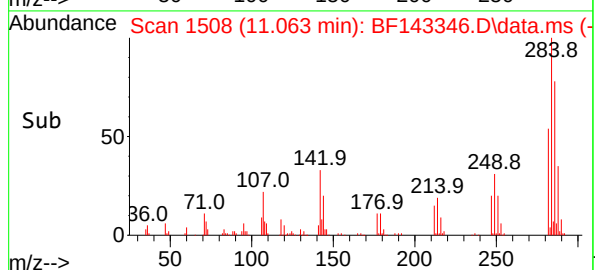
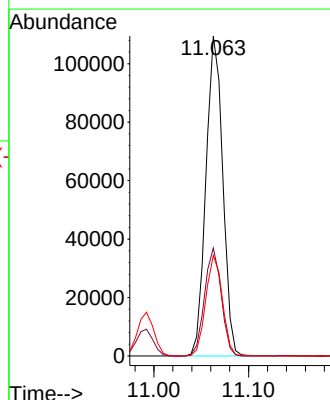
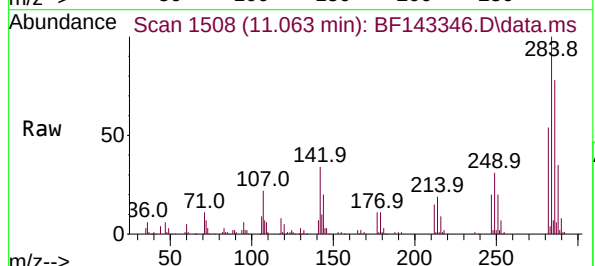
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

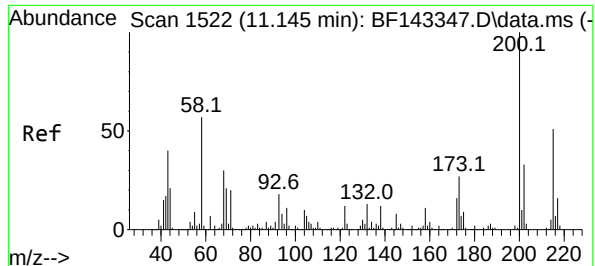
Tgt Ion:248 Resp: 125072
Ion Ratio Lower Upper
248 100
250 99.5 77.1 115.7
141 70.9 59.1 88.7



#68
Hexachlorobenzene
Concen: 20.290 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:284 Resp: 134796
Ion Ratio Lower Upper
284 100
142 33.8 25.7 38.5
249 31.4 24.6 37.0





#69

Atrazine

Concen: 21.725 ng

RT: 11.139 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

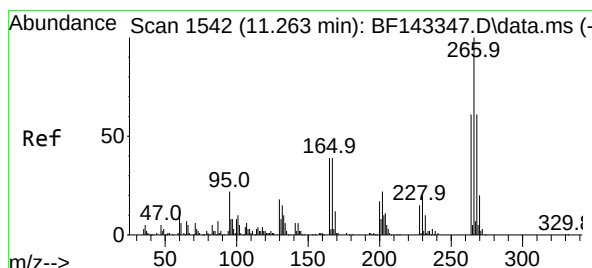
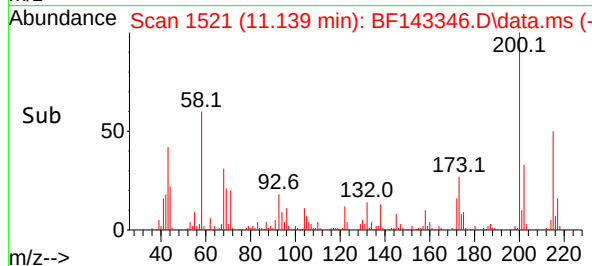
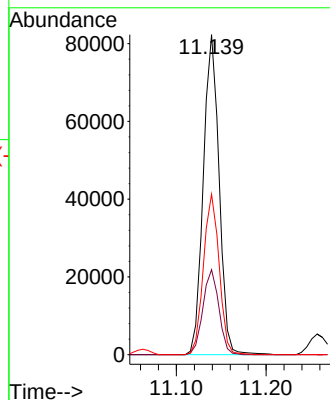
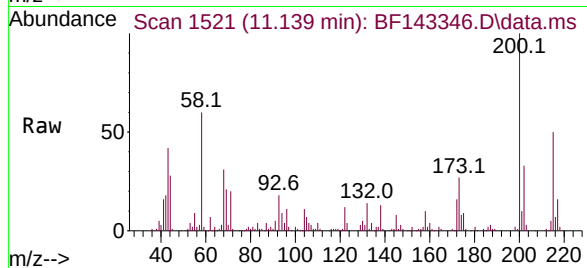
Tgt Ion:200 Resp: 100549

Ion Ratio Lower Upper

200 100

173 26.5 6.6 46.6

215 50.1 30.6 70.6



#70

Pentachlorophenol

Concen: 19.347 ng

RT: 11.257 min Scan# 1541

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

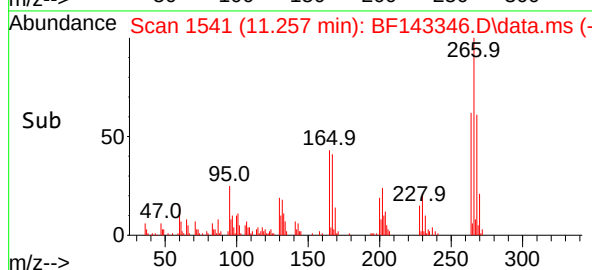
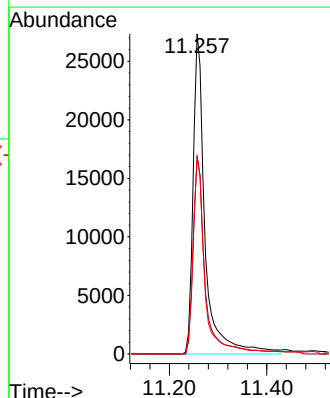
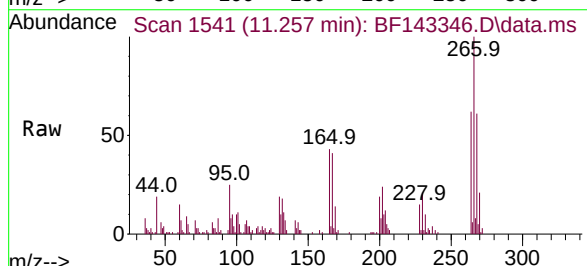
Tgt Ion:266 Resp: 47147

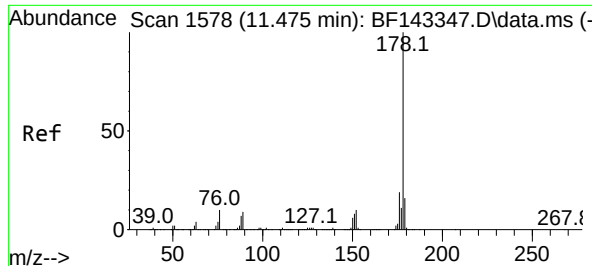
Ion Ratio Lower Upper

266 100

268 61.5 48.8 73.2

264 61.9 48.8 73.2

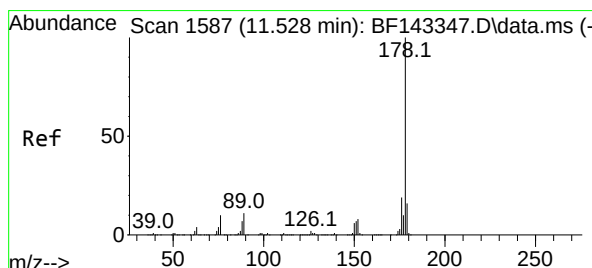
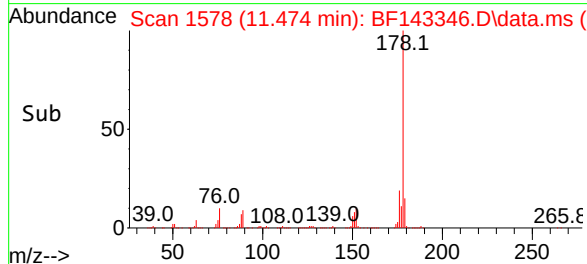
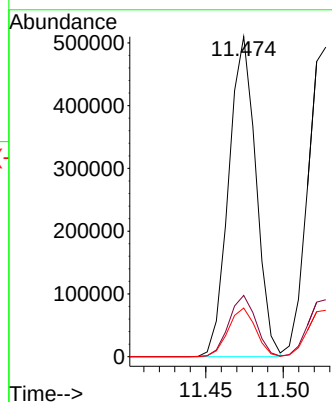
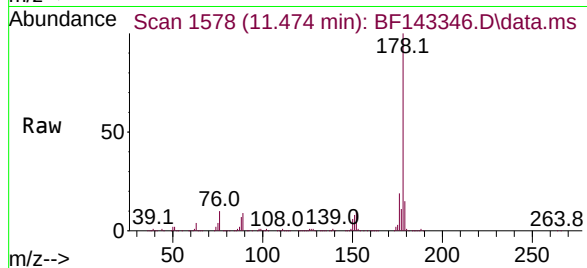




#71
Phenanthrene
Concen: 21.181 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

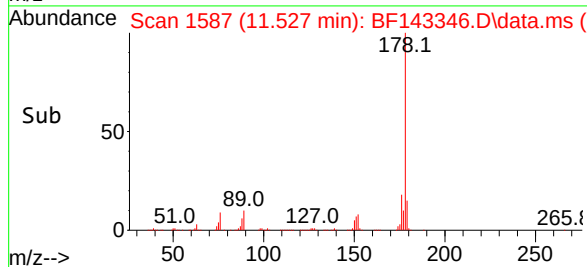
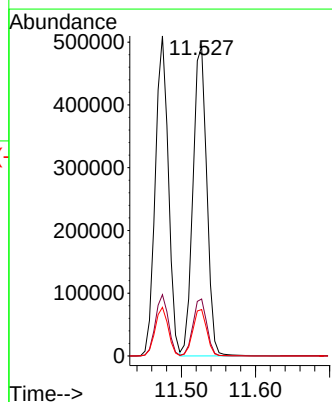
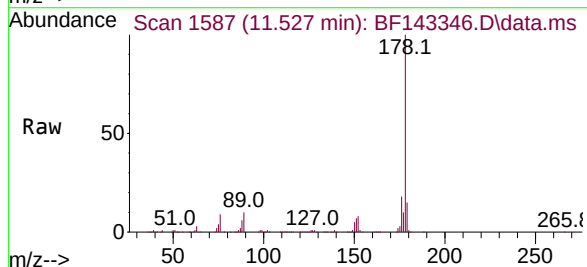
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

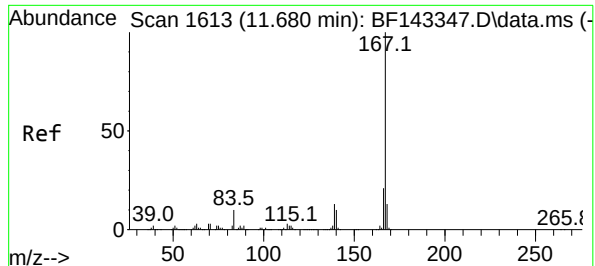
Tgt Ion:178 Resp: 622794
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.5 18.7



#72
Anthracene
Concen: 21.401 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:178 Resp: 638169
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 15.0 12.7 19.1

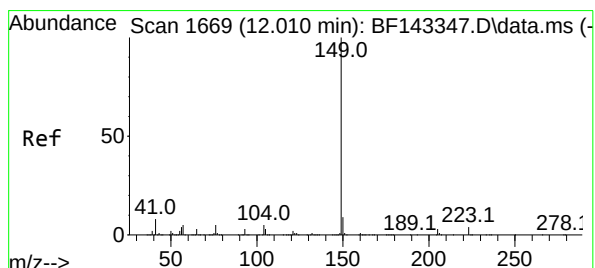
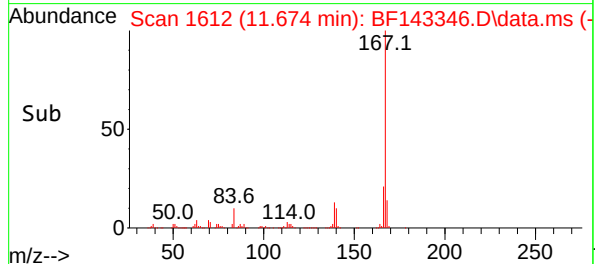
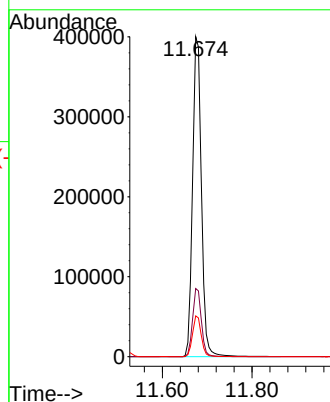
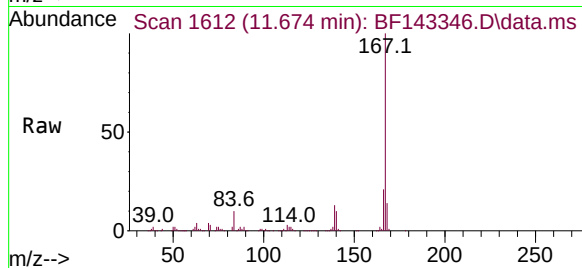




#73
Carbazole
Concen: 21.580 ng
RT: 11.674 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

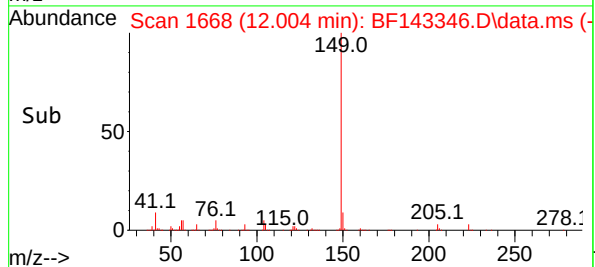
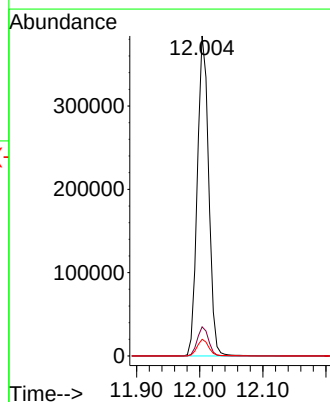
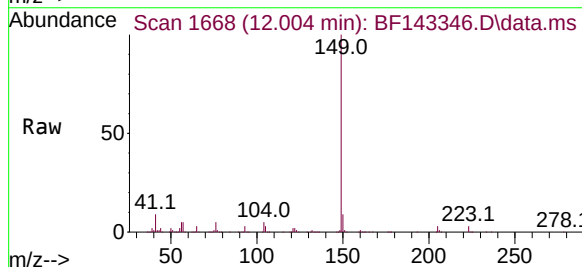
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

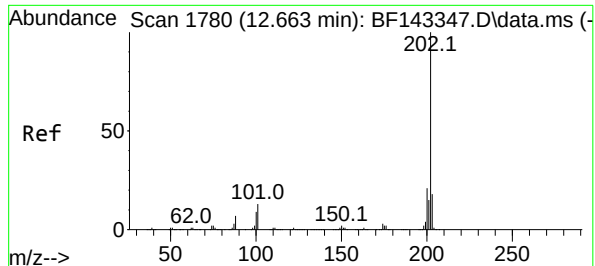
Tgt Ion:167 Resp: 548030
Ion Ratio Lower Upper
167 100
166 21.3 16.8 25.2
139 12.8 10.2 15.2



#74
Di-n-butylphthalate
Concen: 22.300 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 479230
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.2 3.8 5.8

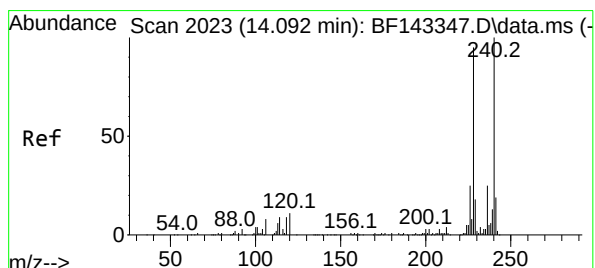
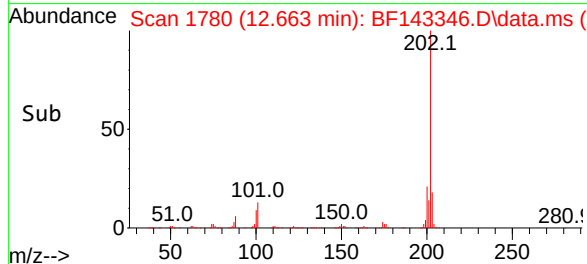
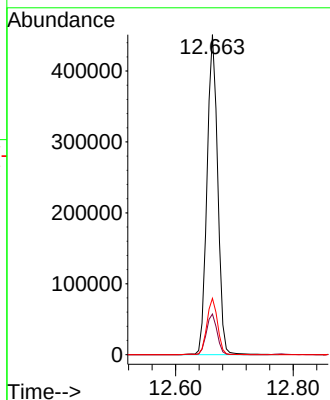
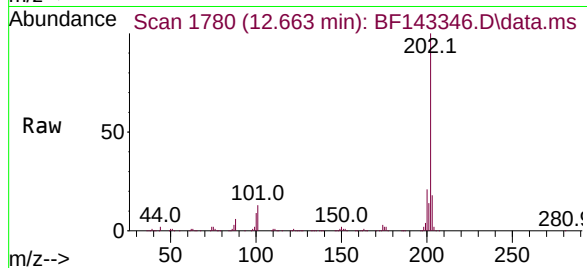




#75
Fluoranthene
Concen: 21.986 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

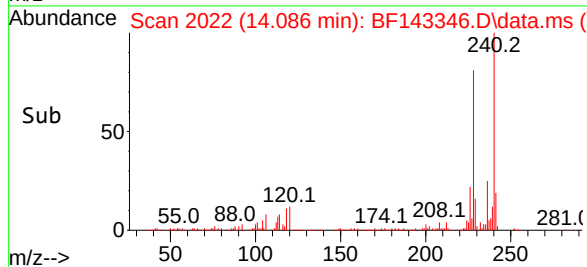
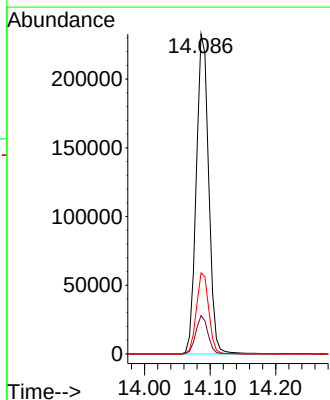
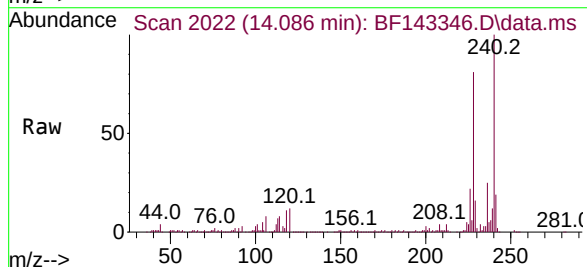
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

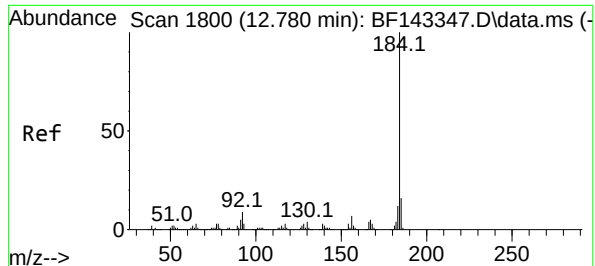
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.6	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.0	13.6
236	25.3	19.9	29.9

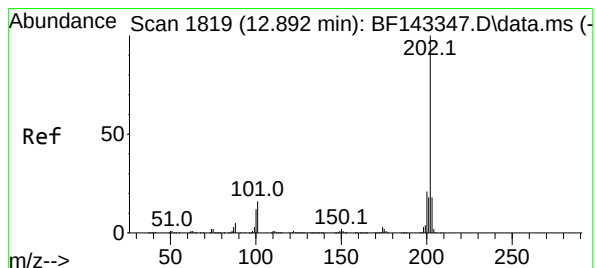
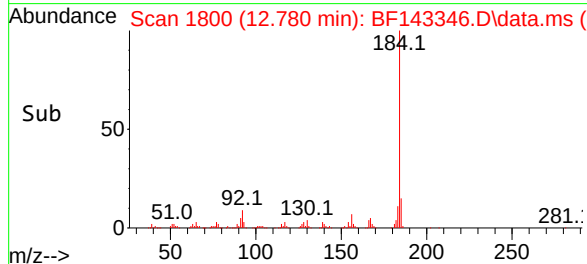
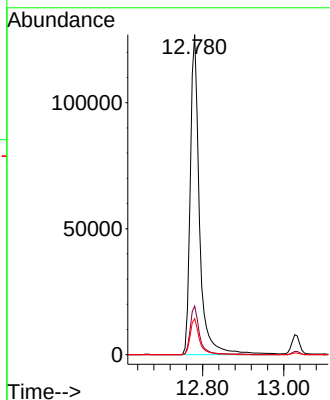
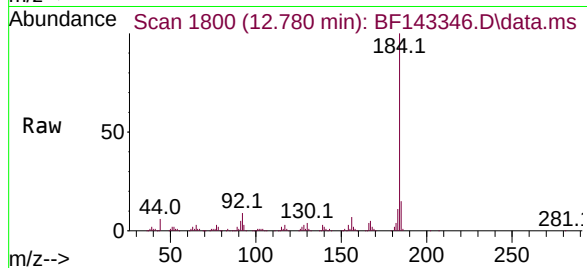




#77
Benzidine
Concen: 23.901 ng
RT: 12.780 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

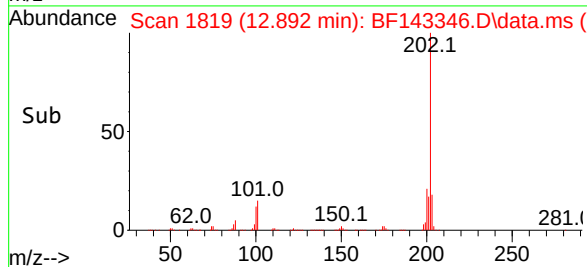
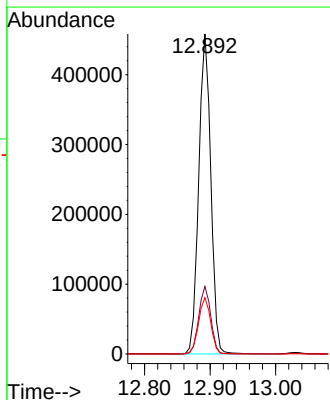
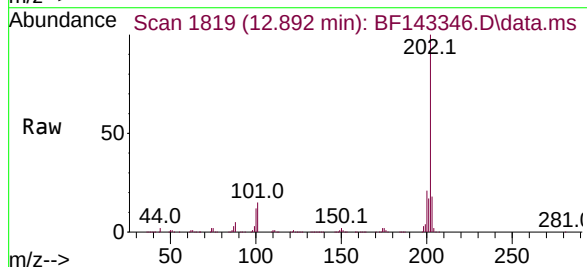
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

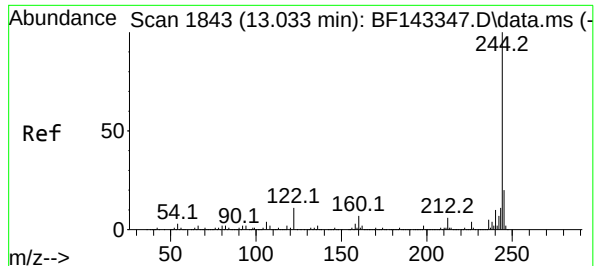
Tgt Ion:184 Resp: 201097
Ion Ratio Lower Upper
184 100
185 15.2 12.8 19.2
183 11.2 9.3 13.9



#78
Pyrene
Concen: 22.771 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:202 Resp: 587878
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 46.313 ng

RT: 13.027 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

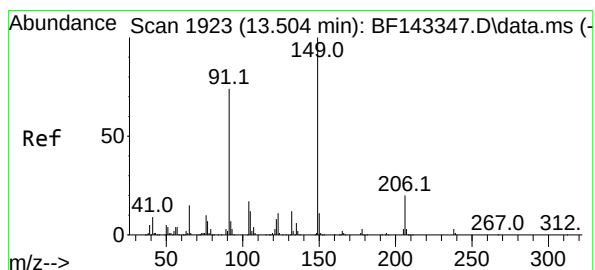
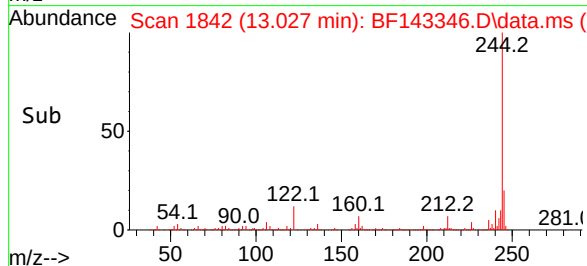
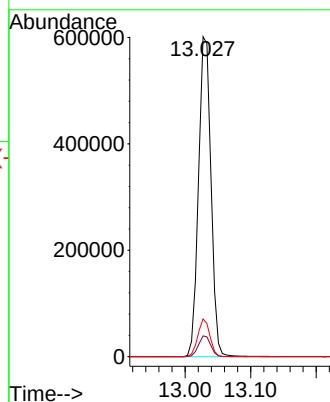
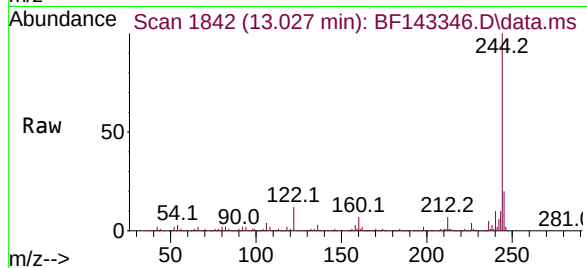
Tgt Ion:244 Resp: 798330

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 11.8 8.9 13.3



#80

Butylbenzylphthalate

Concen: 18.636 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

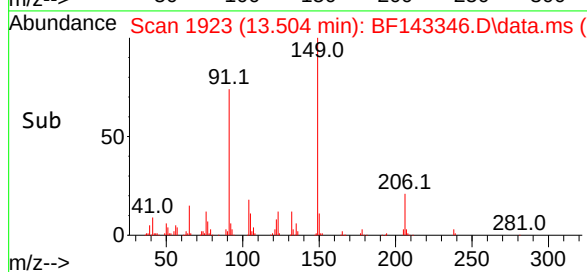
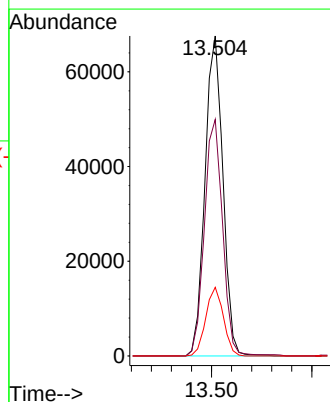
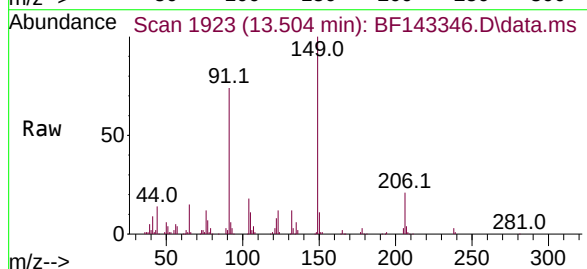
Tgt Ion:149 Resp: 83834

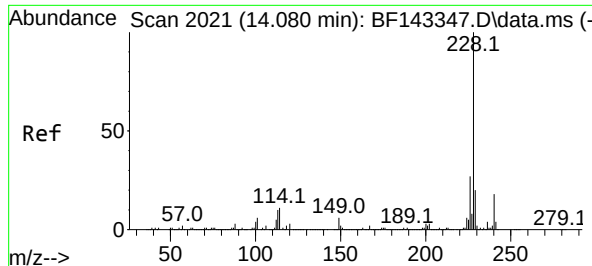
Ion Ratio Lower Upper

149 100

91 73.9 58.8 88.2

206 21.5 16.4 24.6





#81

Benzo(a)anthracene

Concen: 21.066 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

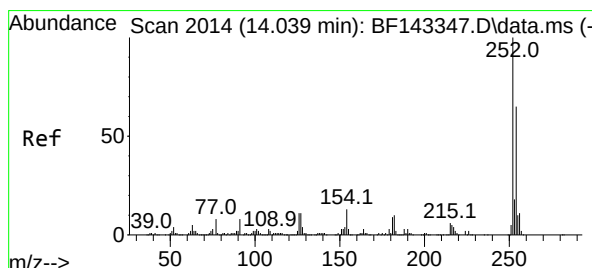
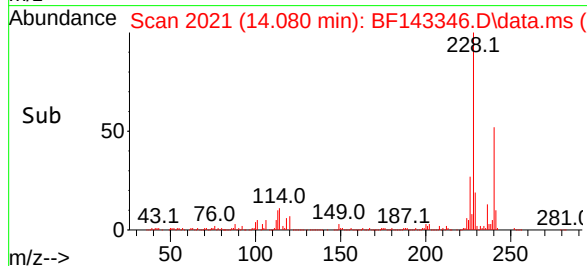
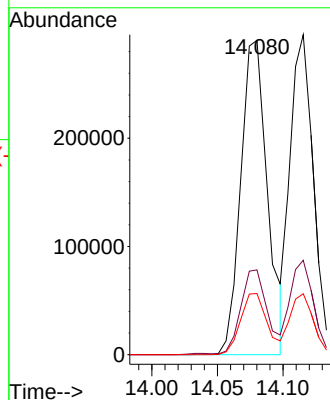
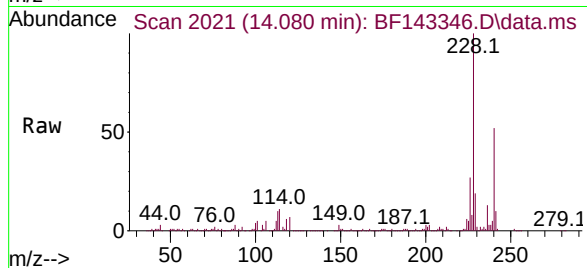
Tgt Ion:228 Resp: 412056

Ion Ratio Lower Upper

228 100

226 27.0 22.0 33.0

229 19.4 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 19.033 ng

RT: 14.039 min Scan# 2014

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

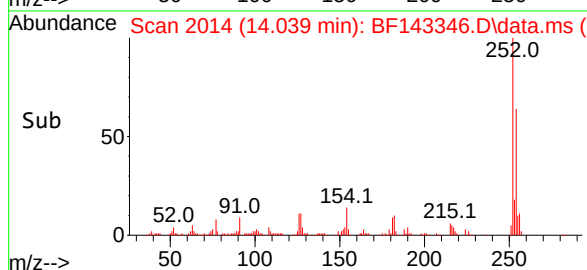
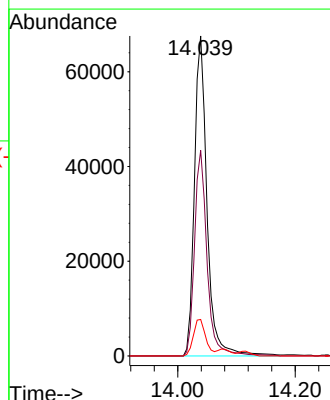
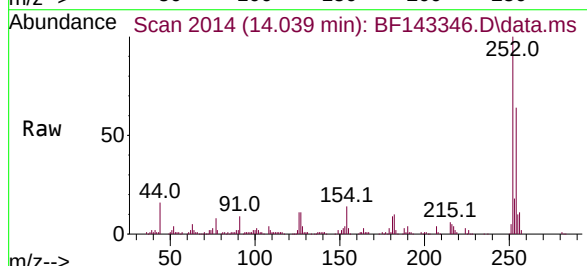
Tgt Ion:252 Resp: 100529

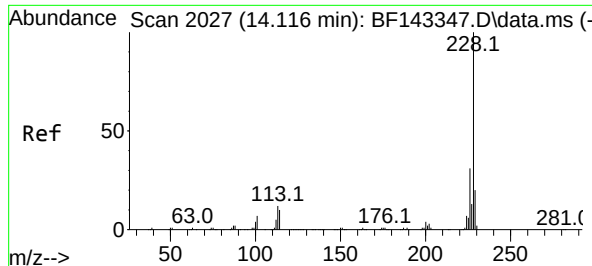
Ion Ratio Lower Upper

252 100

254 64.2 51.7 77.5

126 11.4 9.2 13.8





#83

Chrysene

Concen: 20.235 ng

RT: 14.115 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

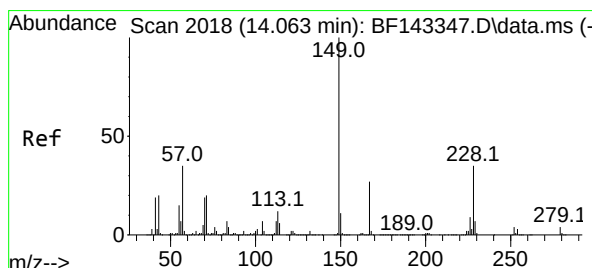
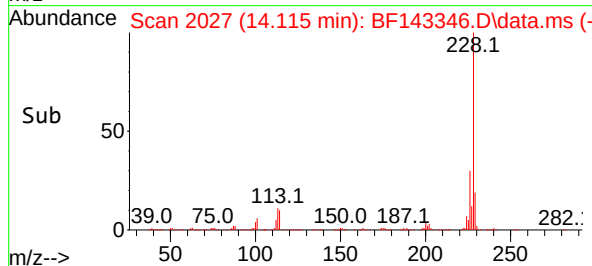
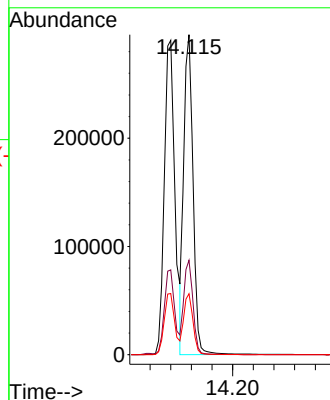
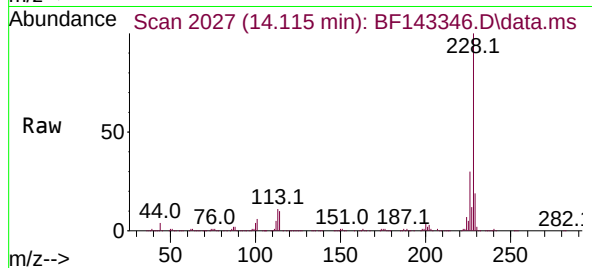
Tgt Ion:228 Resp: 369066

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.2

229 19.0 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 17.077 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

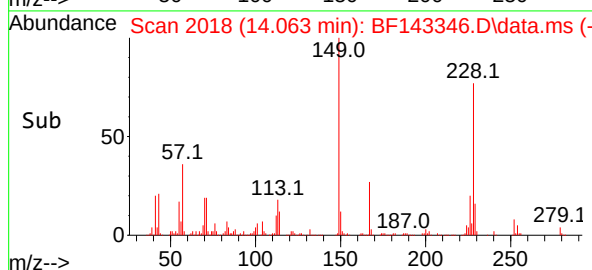
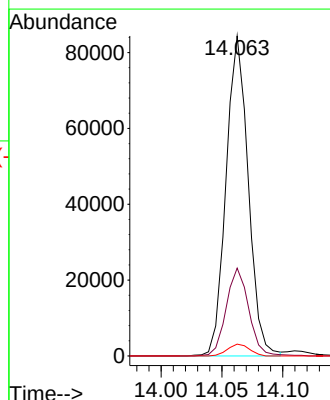
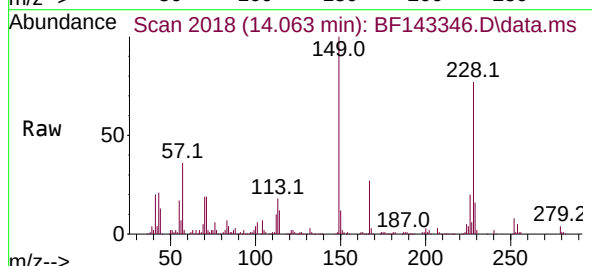
Tgt Ion:149 Resp: 107115

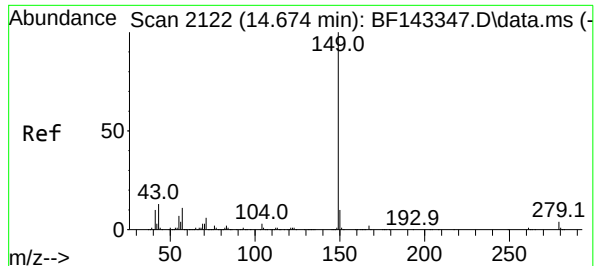
Ion Ratio Lower Upper

149 100

167 27.5 21.4 32.0

279 3.7 3.2 4.8

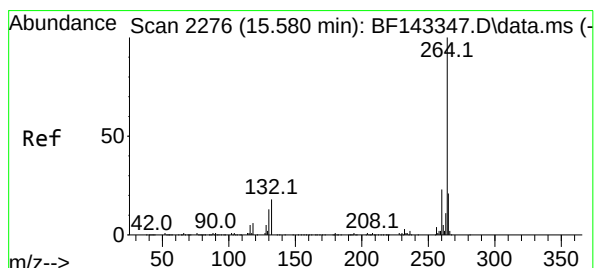
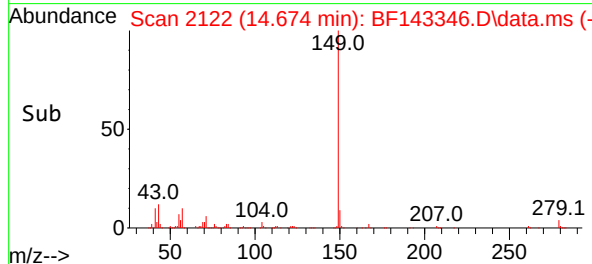
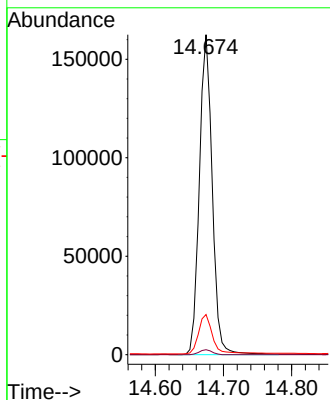
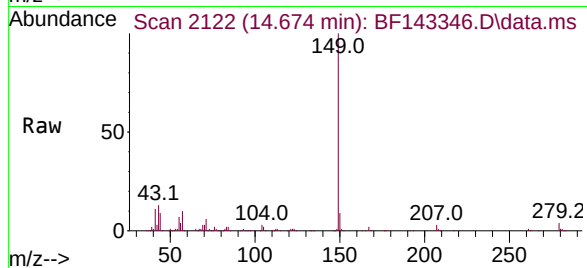




#85
Di-n-octyl phthalate
Concen: 18.493 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

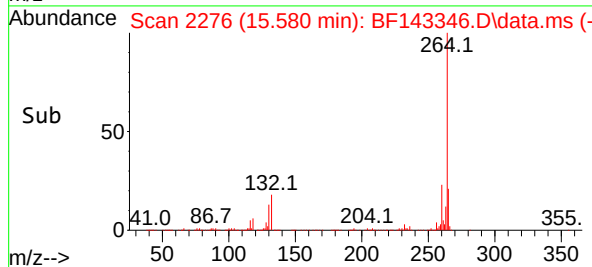
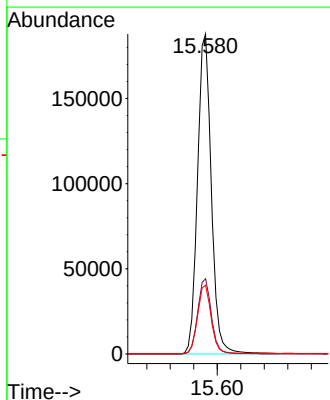
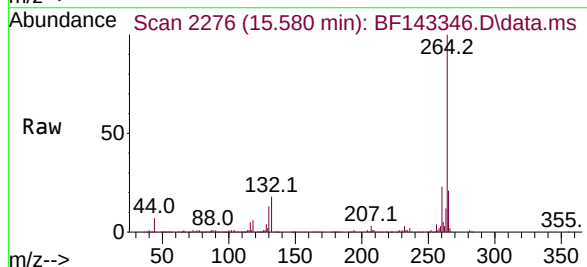
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

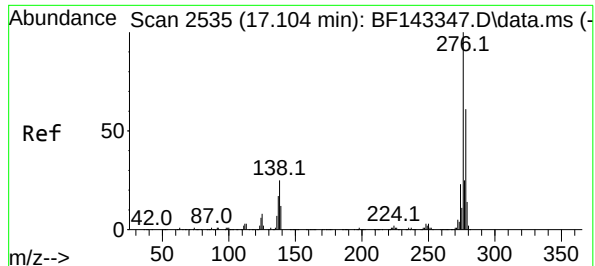
Tgt Ion:149 Resp: 213024
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 13.5 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:264 Resp: 306974
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.5 17.2 25.8

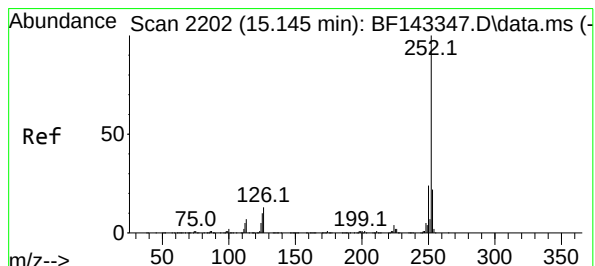
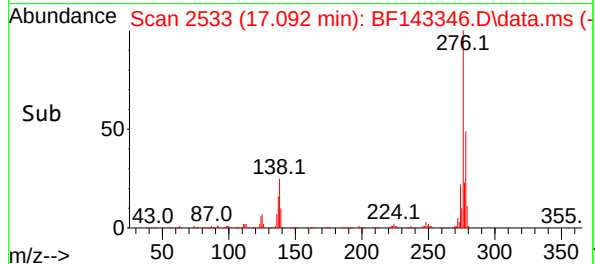
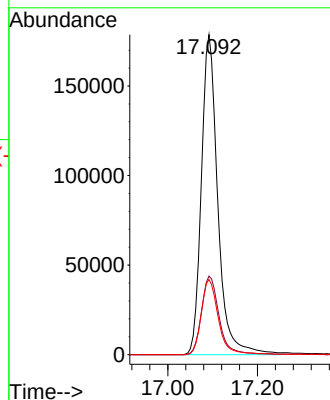
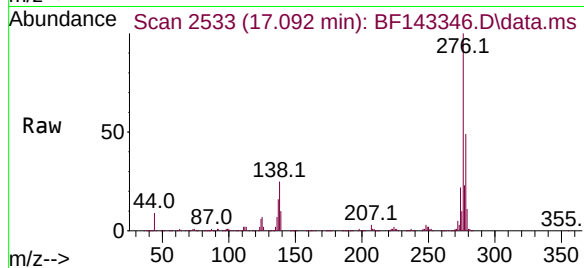




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.651 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

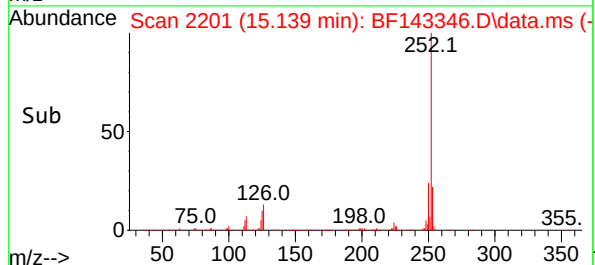
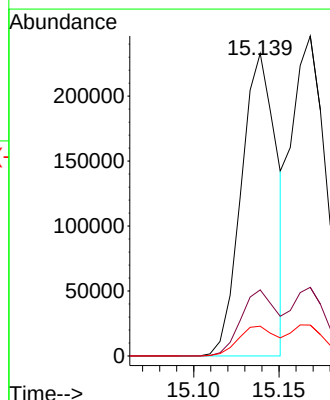
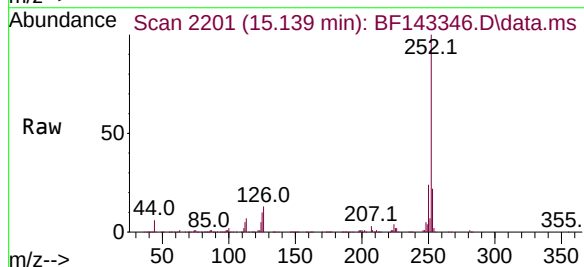
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

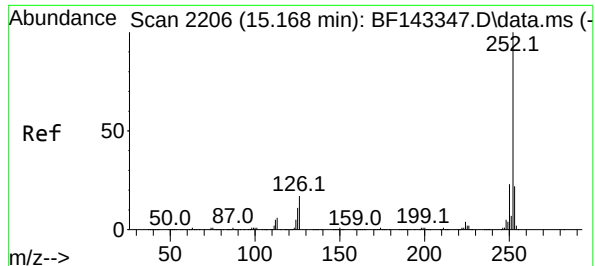
Tgt Ion:276 Resp: 454164
Ion Ratio Lower Upper
276 100
138 26.6 21.1 31.7
277 24.4 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 19.971 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:252 Resp: 335316
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 9.8 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 21.789 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

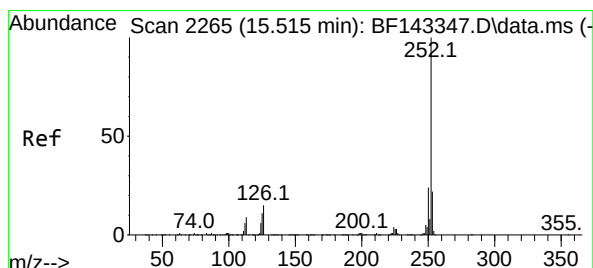
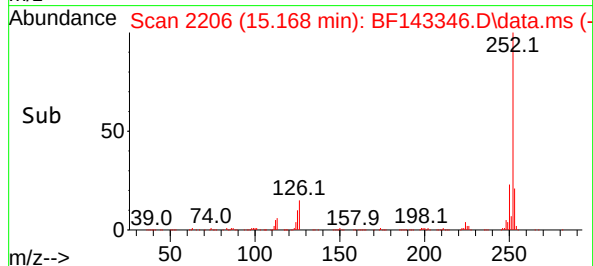
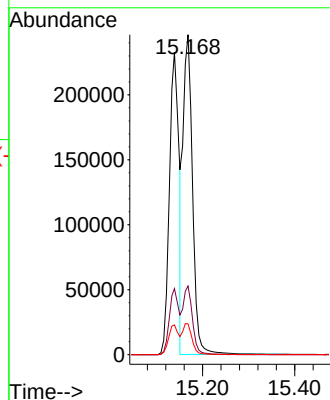
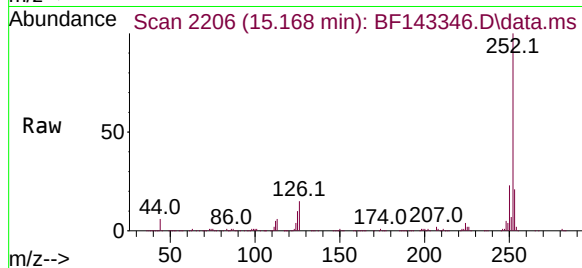
Tgt Ion:252 Resp: 355480

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 9.7 8.4 12.6



#90

Benzo(a)pyrene

Concen: 20.580 ng

RT: 15.515 min Scan# 2265

Delta R.T. -0.000 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

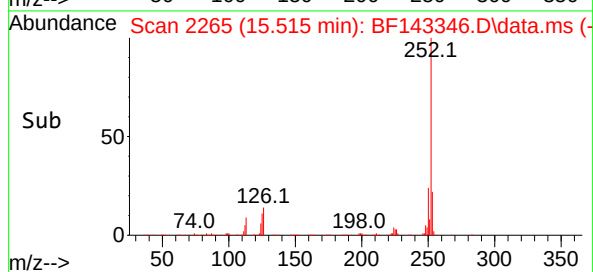
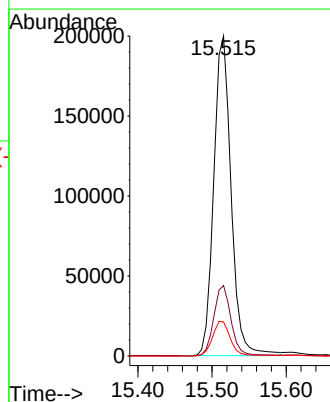
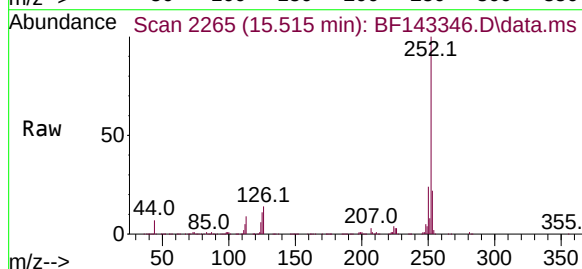
Tgt Ion:252 Resp: 325450

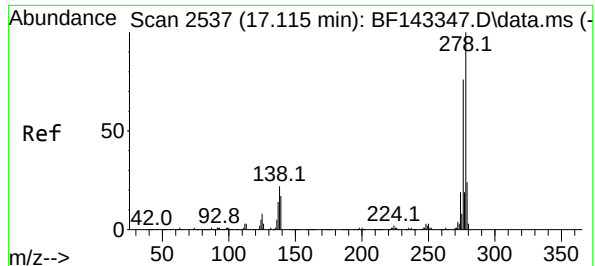
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.6 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 20.688 ng

RT: 17.104 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

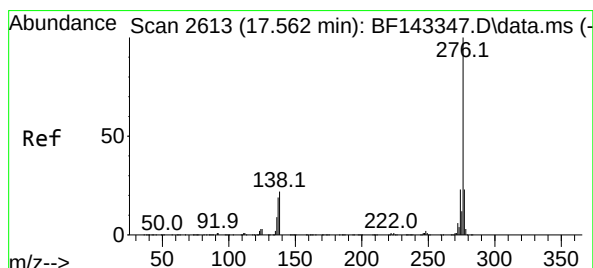
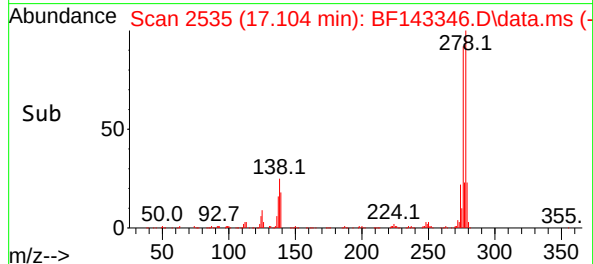
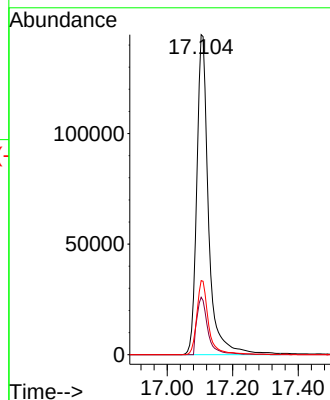
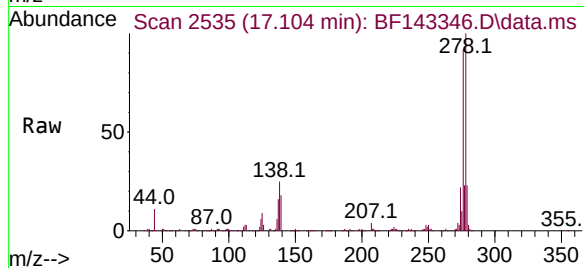
Tgt Ion:278 Resp: 363491

Ion Ratio Lower Upper

278 100

139 17.9 14.0 21.0

279 23.1 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 20.596 ng

RT: 17.551 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF143346.D

Acq: 12 Aug 2025 10:35

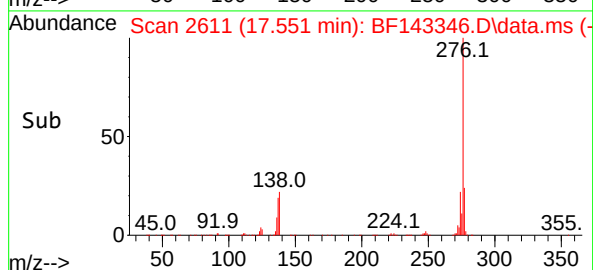
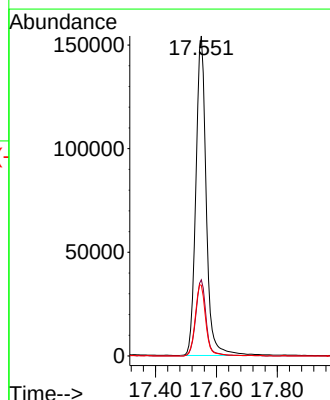
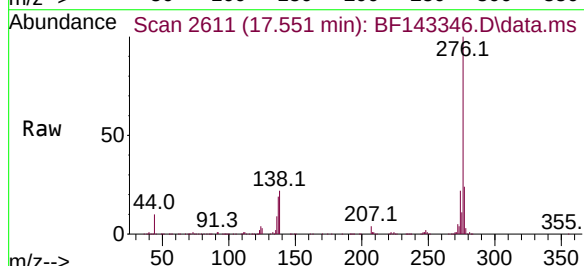
Tgt Ion:276 Resp: 364540

Ion Ratio Lower Upper

276 100

277 23.8 18.7 28.1

138 22.1 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143347.D
 Acq On : 12 Aug 2025 11:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	167361	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	655032	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	345532	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	517467	20.000	ng	0.00
76) Chrysene-d12	14.092	240	290137	20.000	ng	0.00
86) Perylene-d12	15.580	264	328158	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	789566	81.582	ng	0.00
7) Phenol-d6	6.563	99	1004217	80.913	ng	0.00
23) Nitrobenzene-d5	7.492	82	879802	83.642	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	220484	87.313	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1565121	76.811	ng	0.00
79) Terphenyl-d14	13.033	244	1263446	77.745	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.763	88	199574	39.850	ng	100
3) Pyridine	3.534	79	540627	40.510	ng	100
4) n-Nitrosodimethylamine	3.475	42	253901	40.843	ng	100
6) Aniline	6.593	93	709158	40.530	ng	100
8) 2-Chlorophenol	6.716	128	421515	40.760	ng	100
9) Benzaldehyde	6.481	77	338386	41.251	ng	100
10) Phenol	6.575	94	596665	40.582	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	437082	40.336	ng	100
12) 1,3-Dichlorobenzene	6.875	146	479321	40.184	ng	100
13) 1,4-Dichlorobenzene	6.951	146	473345	39.538	ng	100
14) 1,2-Dichlorobenzene	7.104	146	451017	39.687	ng	100
15) Benzyl Alcohol	7.069	79	364330	40.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	775460	40.085	ng	100
17) 2-Methylphenol	7.181	107	355981	40.780	ng	100
18) Hexachloroethane	7.445	117	154773	41.236	ng	100
19) n-Nitroso-di-n-propyla...	7.340	70	304543	39.712	ng	100
20) 3+4-Methylphenols	7.334	107	431056	40.831	ng	100
22) Acetophenone	7.334	105	562380	38.966	ng	100
24) Nitrobenzene	7.510	77	469916	41.135	ng	100
25) Isophorone	7.751	82	845188	39.360	ng	100
26) 2-Nitrophenol	7.828	139	165661	37.083	ng	100
27) 2,4-Dimethylphenol	7.863	122	365692	40.820	ng	100
28) bis(2-Chloroethoxy)met...	7.957	93	518389	39.540	ng	100
29) 2,4-Dichlorophenol	8.069	162	360583	41.210	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	363439	39.377	ng	100
31) Naphthalene	8.234	128	1237121	39.250	ng	100
32) Benzoic acid	7.969	122	141523	39.021	ng	100
33) 4-Chloroaniline	8.281	127	452276	39.784	ng	100
34) Hexachlorobutadiene	8.357	225	229101	39.902	ng	100
35) Caprolactam	8.645	113	103025	41.884	ng	100
36) 4-Chloro-3-methylphenol	8.757	107	375017	40.883	ng	100
37) 2-Methylnaphthalene	8.928	142	814304	39.298	ng	100
38) 1-Methylnaphthalene	9.022	142	779823	39.075	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	374807	39.640	ng	100
41) Hexachlorocyclopentadiene	9.081	237	115551	38.401	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	230730	43.008	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143347.D
 Acq On : 12 Aug 2025 11:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

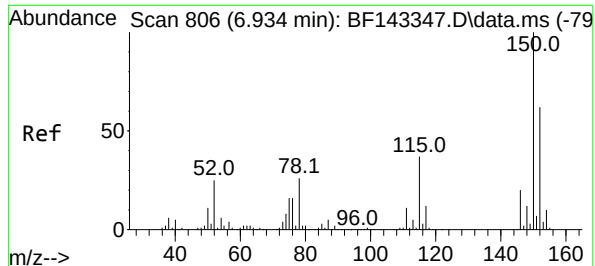
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	260681	43.029	ng	100
46) 1,1'-Biphenyl	9.386	154	959774	39.285	ng	100
47) 2-Chloronaphthalene	9.416	162	756597	39.322	ng	100
48) 2-Nitroaniline	9.504	65	213717	39.058	ng	100
49) Acenaphthylene	9.828	152	1097291	39.490	ng	100
50) Dimethylphthalate	9.681	163	815627	40.398	ng	100
51) 2,6-Dinitrotoluene	9.745	165	147260	39.128	ng	100
52) Acenaphthene	9.998	154	728691	39.446	ng	100
53) 3-Nitroaniline	9.916	138	180447	43.642	ng	100
54) 2,4-Dinitrophenol	10.022	184	45578	39.434	ng	100
55) Dibenzofuran	10.175	168	1043986	39.267	ng	100
56) 4-Nitrophenol	10.075	139	119387	39.132	ng	100
57) 2,4-Dinitrotoluene	10.145	165	199781	39.946	ng	100
58) Fluorene	10.516	166	789149	38.860	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	176166	43.137	ng	100
60) Diethylphthalate	10.381	149	746813	41.295	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	389122	39.656	ng	100
62) 4-Nitroaniline	10.528	138	171799	42.946	ng	100
63) Azobenzene	10.663	77	824319	39.906	ng	100
65) 4,6-Dinitro-2-methylph...	10.557	198	73478	37.049	ng	100
66) n-Nitrosodiphenylamine	10.622	169	678152	39.800	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	239456	40.461	ng	100
68) Hexachlorobenzene	11.069	284	252547	39.589	ng	100
69) Atrazine	11.145	200	184584	41.534	ng	100
70) Pentachlorophenol	11.263	266	111946	39.119	ng	100
71) Phenanthrene	11.475	178	1118795	39.627	ng	100
72) Anthracene	11.528	178	1126030	39.327	ng	100
73) Carbazole	11.680	167	966534	39.637	ng	100
74) Di-n-butylphthalate	12.010	149	894432	43.346	ng	100
75) Fluoranthene	12.663	202	949305	38.386	ng	100
77) Benzidine	12.780	184	343155	43.261	ng	100
78) Pyrene	12.892	202	963681	39.593	ng	100
80) Butylbenzylphthalate	13.504	149	175897	37.368	ng	100
81) Benzo(a)anthracene	14.080	228	730158	39.595	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	211236	42.421	ng	100
83) Chrysene	14.116	228	681835	39.653	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	256146	37.186	ng	100
85) Di-n-octyl phthalate	14.674	149	515170	38.008	ng	100
87) Indeno(1,2,3-cd)pyrene	17.104	276	950872	40.445	ng	100
88) Benzo(b)fluoranthene	15.145	252	733725	40.879	ng	100
89) Benzo(k)fluoranthene	15.168	252	679660	38.970	ng	100
90) Benzo(a)pyrene	15.515	252	678288	40.124	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	767630	40.870	ng	100
92) Benzo(g,h,i)perylene	17.562	276	767224	40.549	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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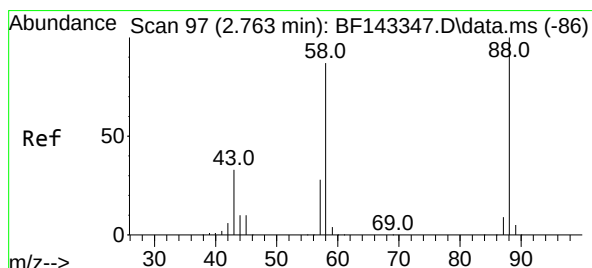
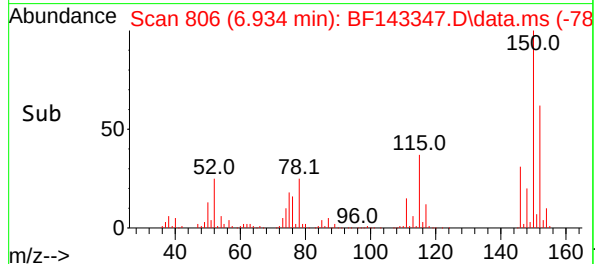
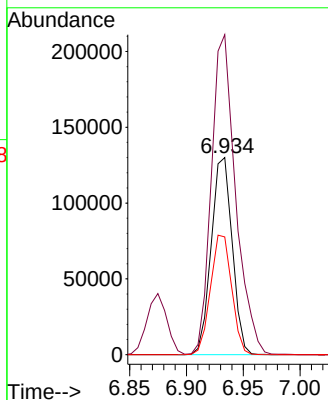
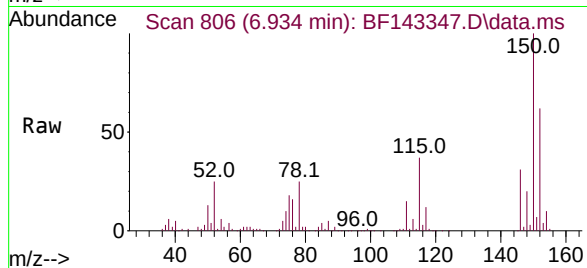




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

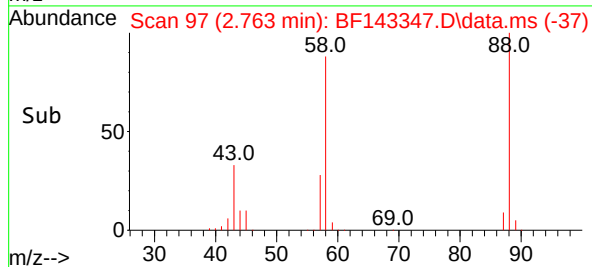
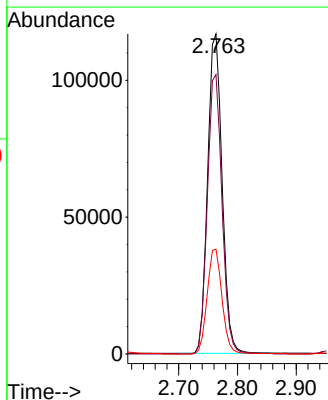
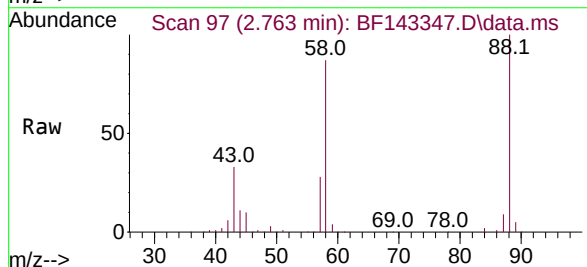
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

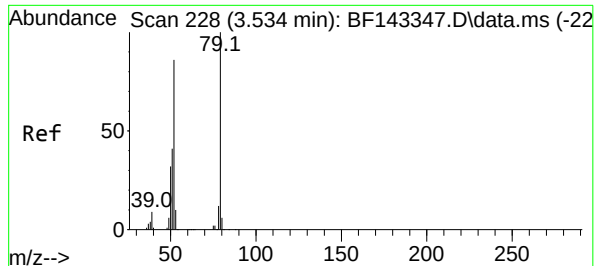
Tgt Ion:152 Resp: 167361
Ion Ratio Lower Upper
152 100
150 162.3 129.8 194.8
115 59.8 47.8 71.8



#2
1,4-Dioxane
Concen: 39.850 ng
RT: 2.763 min Scan# 97
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 88 Resp: 199574
Ion Ratio Lower Upper
88 100
58 88.8 71.0 106.6
43 33.8 27.0 40.6





#3

Pyridine

Concen: 40.510 ng

RT: 3.534 min Scan# 218

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

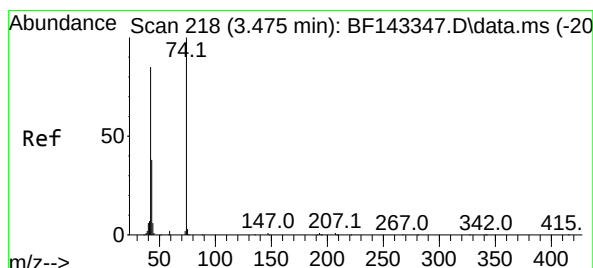
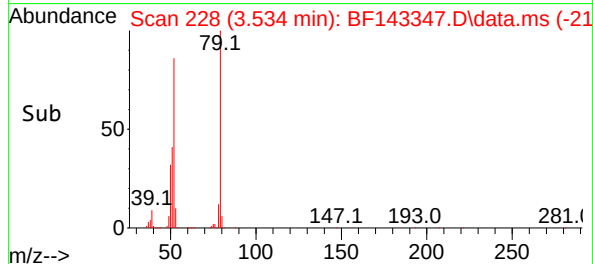
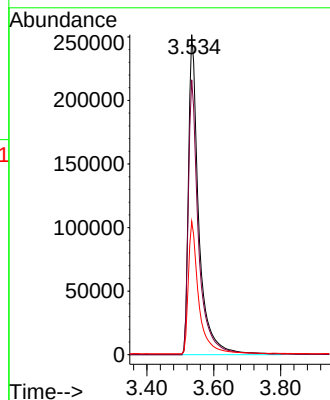
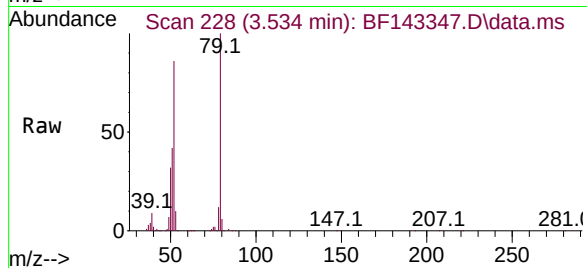
Tgt Ion: 79 Resp: 540627

Ion Ratio Lower Upper

79 100

52 85.9 68.7 103.1

51 41.7 33.4 50.0



#4

n-Nitrosodimethylamine

Concen: 40.843 ng

RT: 3.475 min Scan# 218

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

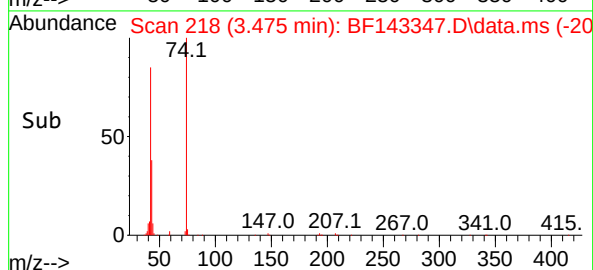
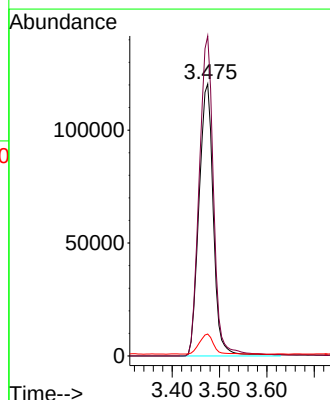
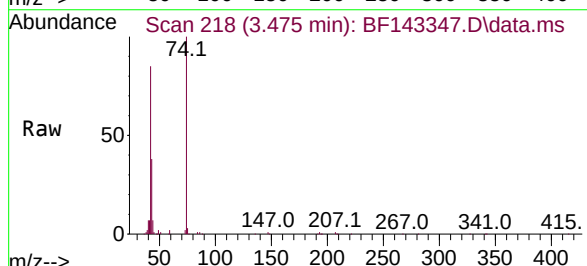
Tgt Ion: 42 Resp: 253901

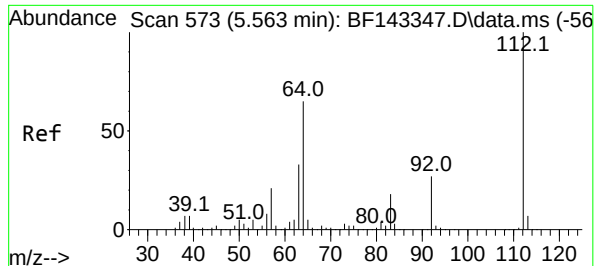
Ion Ratio Lower Upper

42 100

74 117.6 94.1 141.1

44 8.1 6.5 9.7





#5

2-Fluorophenol

Concen: 81.582 ng

RT: 5.563 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

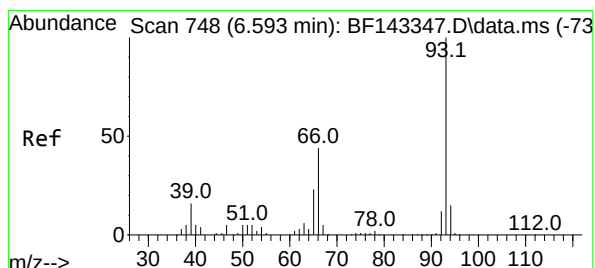
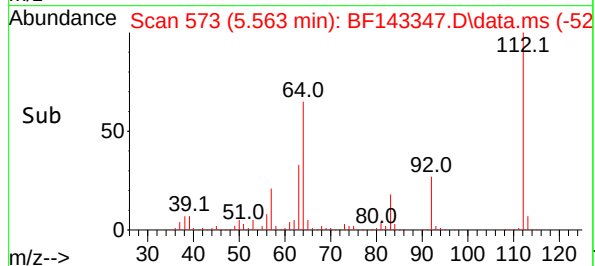
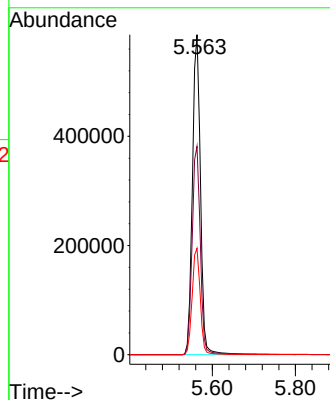
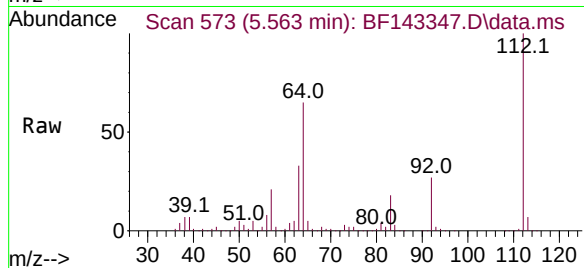
Tgt Ion:112 Resp: 789566

Ion Ratio Lower Upper

112 100

64 65.1 52.1 78.1

63 33.2 26.6 39.8



#6

Aniline

Concen: 40.530 ng

RT: 6.593 min Scan# 748

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

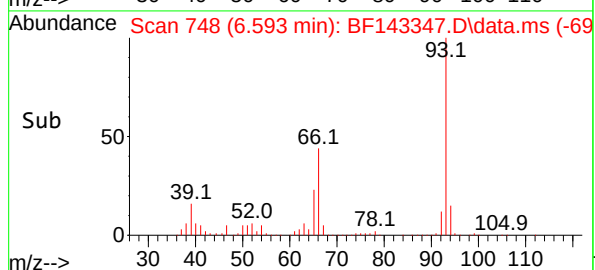
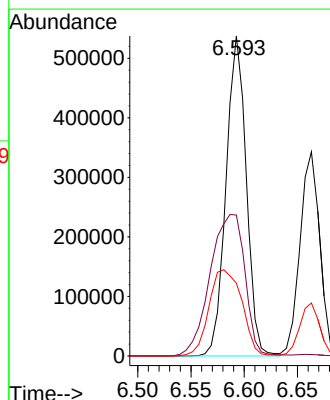
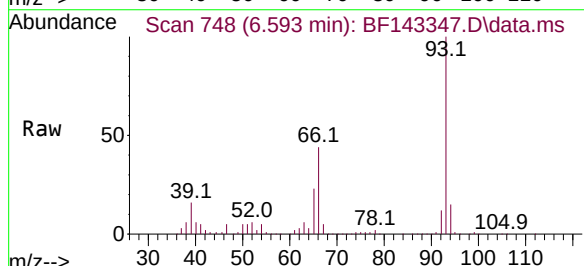
Tgt Ion: 93 Resp: 709158

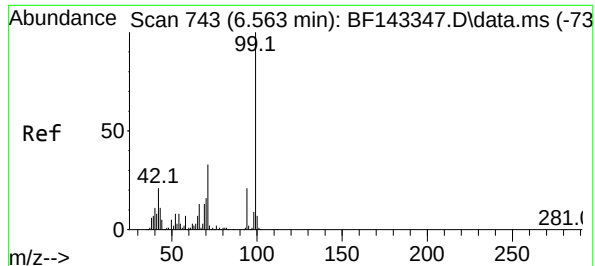
Ion Ratio Lower Upper

93 100

66 44.1 35.3 52.9

65 22.8 18.2 27.4





#7

Phenol-d6

Concen: 80.913 ng

RT: 6.563 min Scan# 743

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

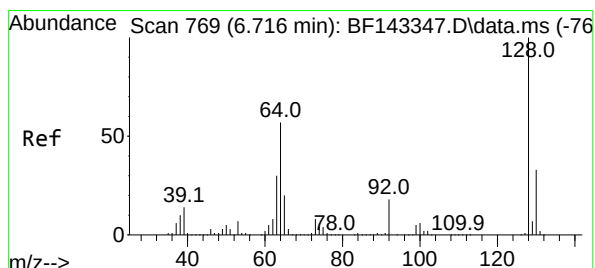
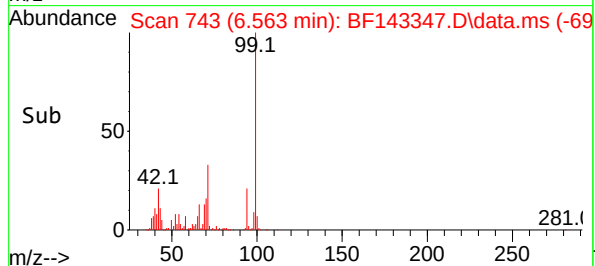
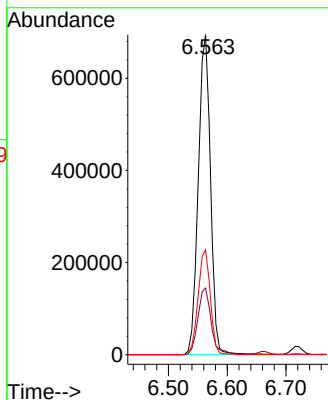
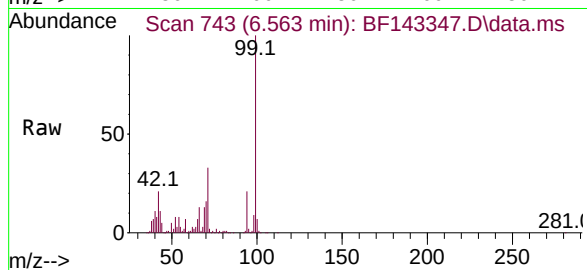
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 1004217

Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.6	25.0
71	32.7	26.2	39.2



#8

2-Chlorophenol

Concen: 40.760 ng

RT: 6.716 min Scan# 769

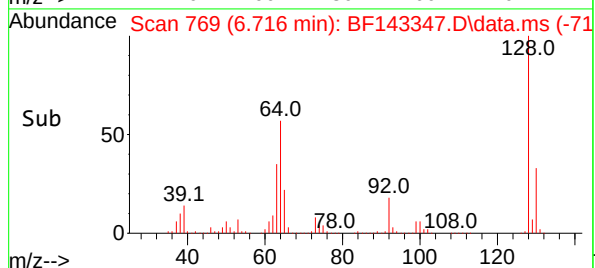
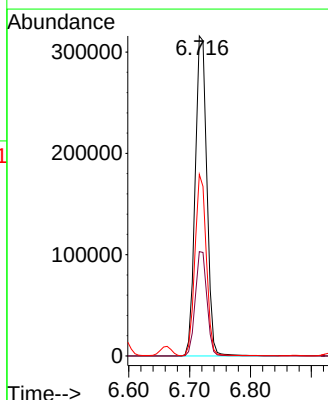
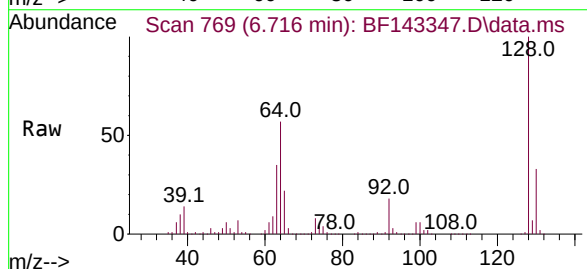
Delta R.T. 0.000 min

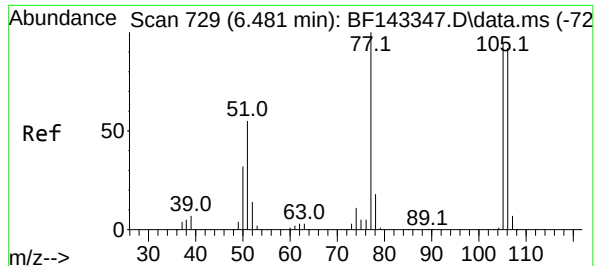
Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Tgt Ion: 128 Resp: 421515

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	56.7	36.7	76.7

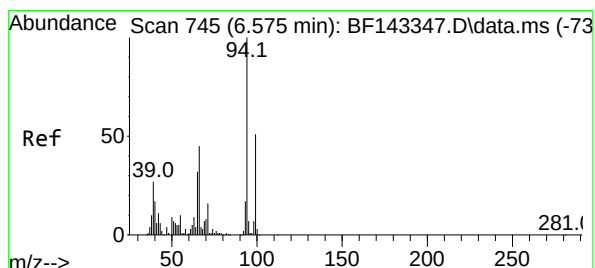
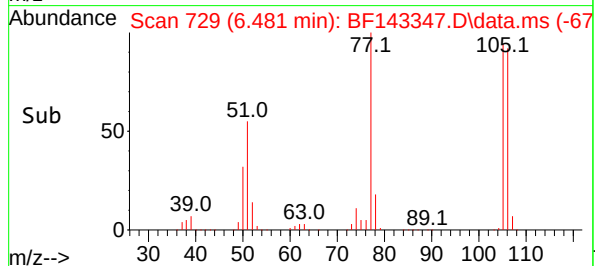
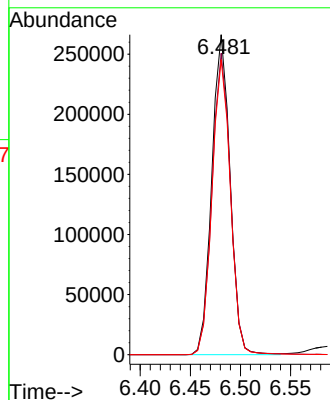
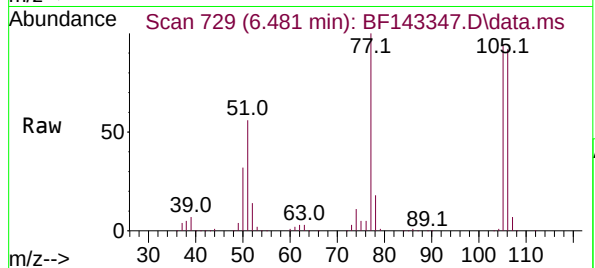




#9
Benzaldehyde
Concen: 41.251 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

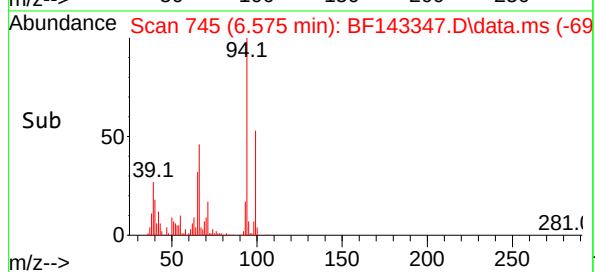
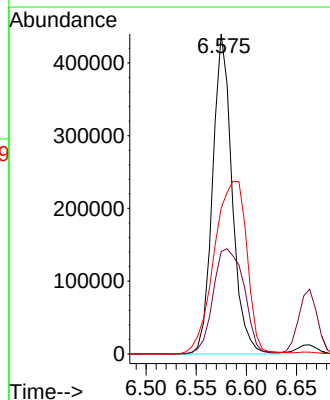
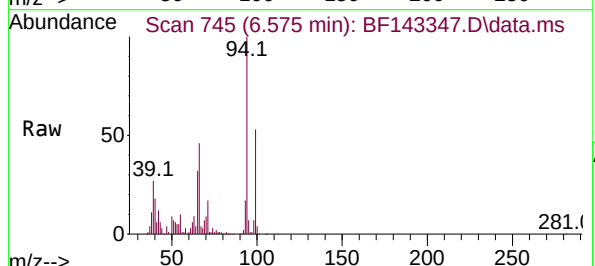
Instrument :
BNA_F
ClientSampleId :
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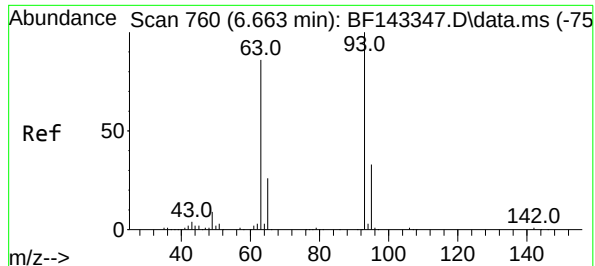
Tgt Ion: 77 Resp: 338386
Ion Ratio Lower Upper
77 100
105 94.2 74.2 114.2
106 92.2 72.2 112.2



#10
Phenol
Concen: 40.582 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 94 Resp: 596665
Ion Ratio Lower Upper
94 100
65 32.0 12.0 52.0
66 45.6 25.6 65.6





#11

bis(2-Chloroethyl)ether

Concen: 40.336 ng

RT: 6.663 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

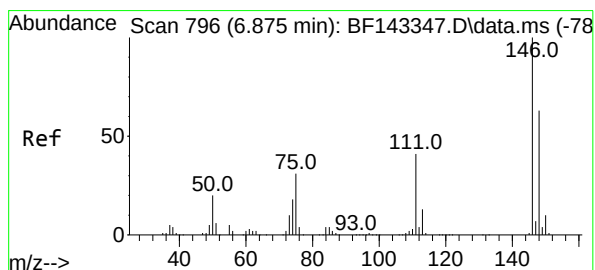
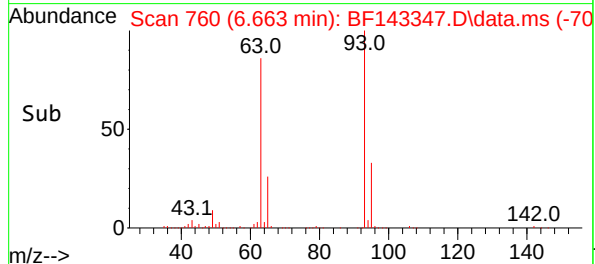
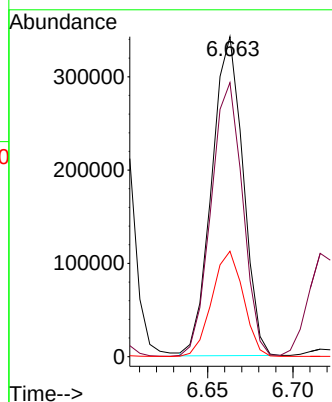
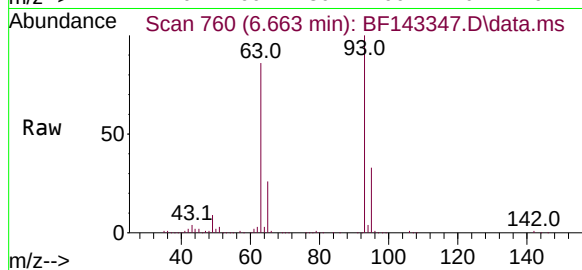
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 93 Resp: 437082

Ion	Ratio	Lower	Upper
93	100		
63	85.7	65.7	105.7
95	33.0	13.0	53.0



#12

1,3-Dichlorobenzene

Concen: 40.184 ng

RT: 6.875 min Scan# 796

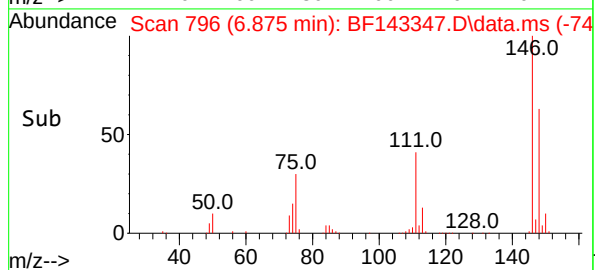
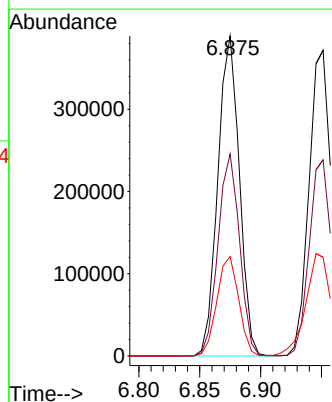
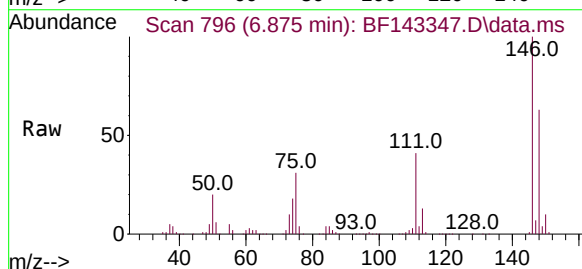
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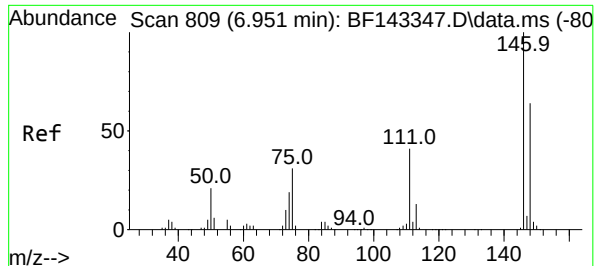
Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Tgt Ion: 146 Resp: 479321

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
75	31.1	24.9	37.3





#13

1,4-Dichlorobenzene

Concen: 39.538 ng

RT: 6.951 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

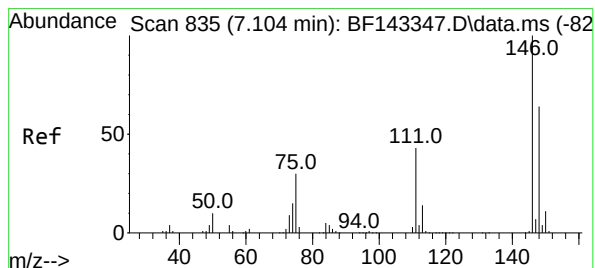
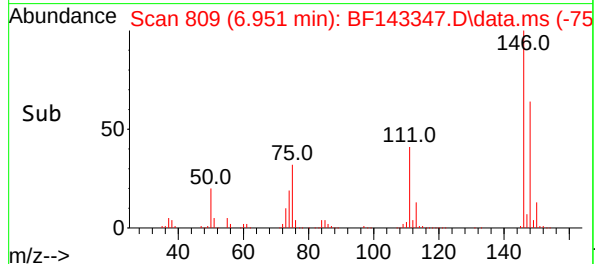
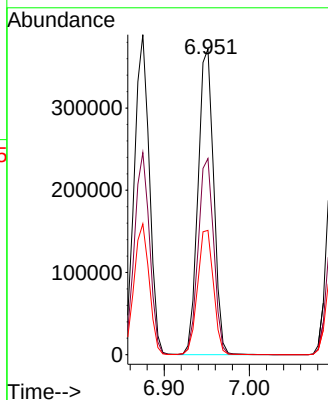
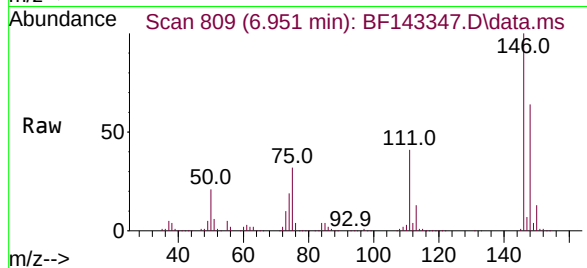
Tgt Ion:146 Resp: 473345

Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.0

111 40.7 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 39.687 ng

RT: 7.104 min Scan# 835

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

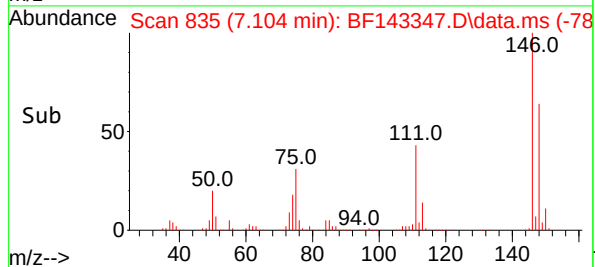
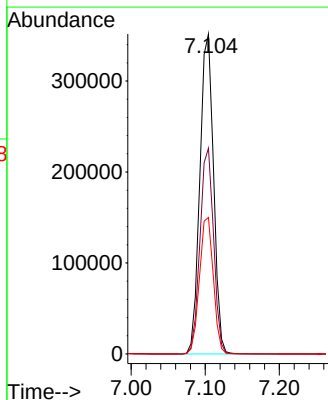
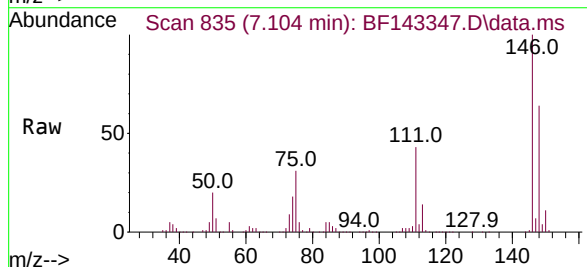
Tgt Ion:146 Resp: 451017

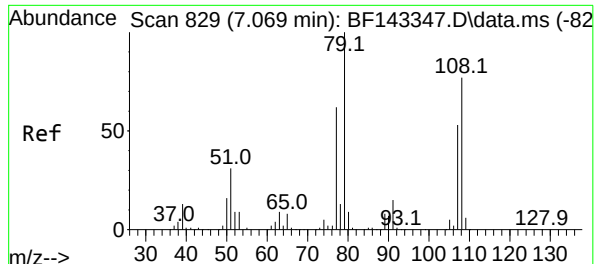
Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.2

111 42.6 34.1 51.1





#15

Benzyl Alcohol

Concen: 40.952 ng

RT: 7.069 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

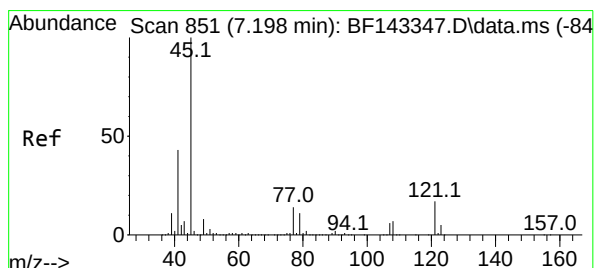
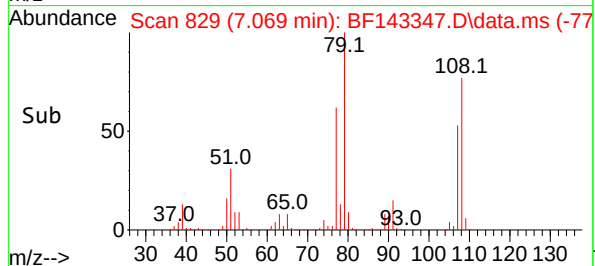
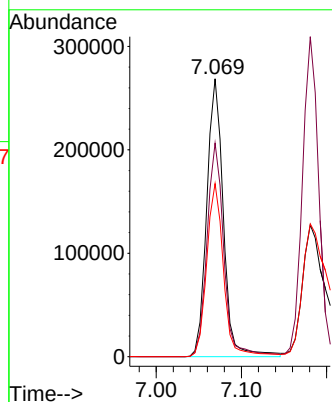
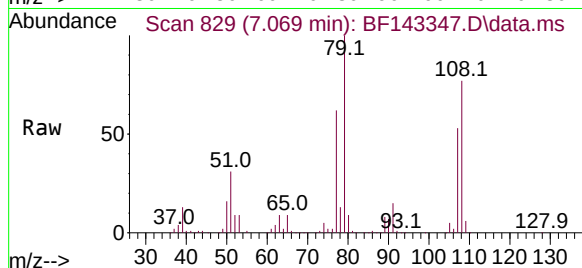
Tgt Ion: 79 Resp: 364330

Ion Ratio Lower Upper

79 100

108 76.9 61.5 92.3

77 62.3 49.8 74.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.085 ng

RT: 7.198 min Scan# 851

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

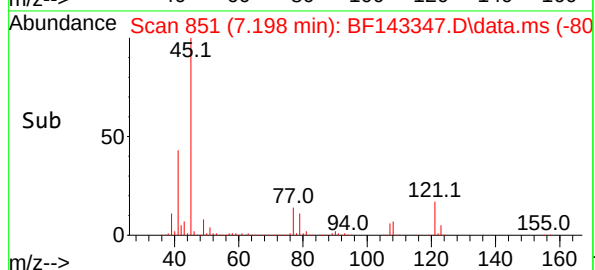
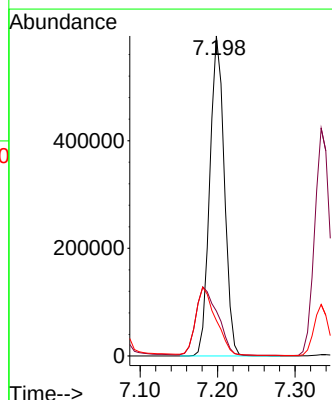
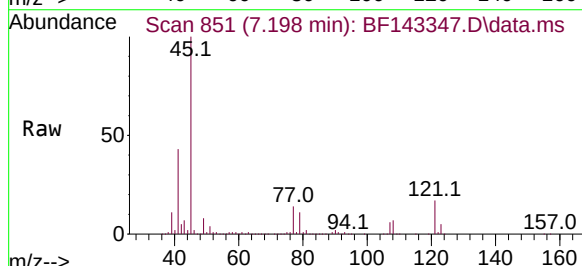
Tgt Ion: 45 Resp: 775460

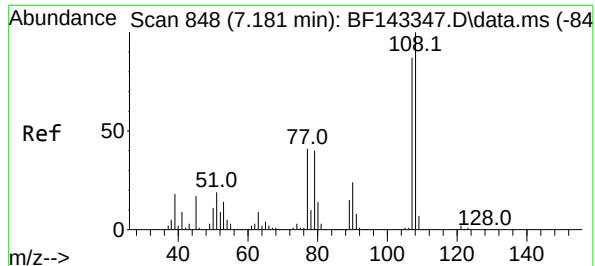
Ion Ratio Lower Upper

45 100

77 14.0 0.0 34.0

79 11.1 0.0 31.1

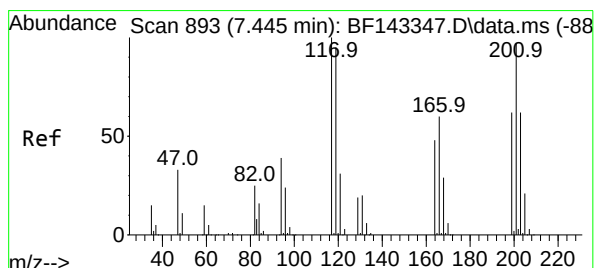
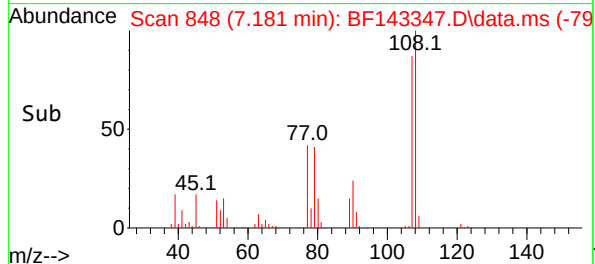
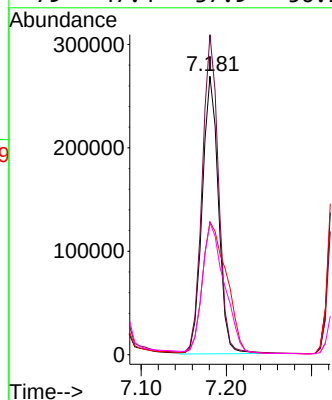
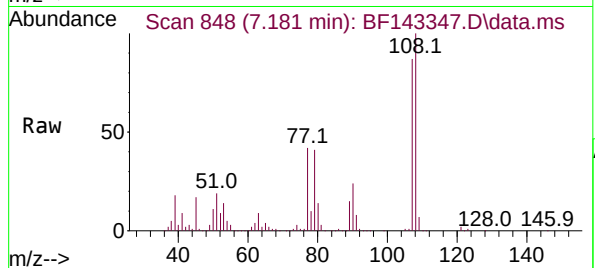




#17
2-Methylphenol
Concen: 40.780 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

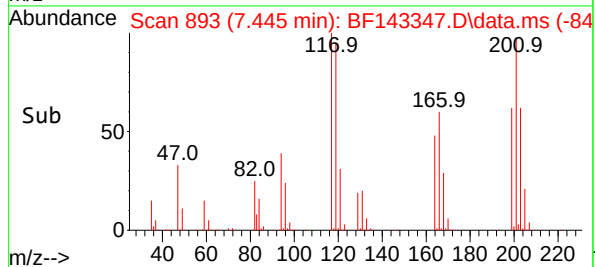
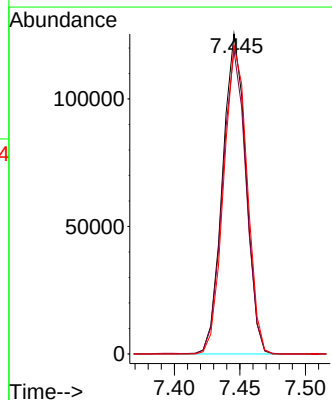
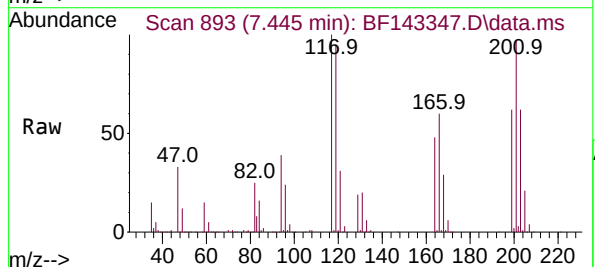
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

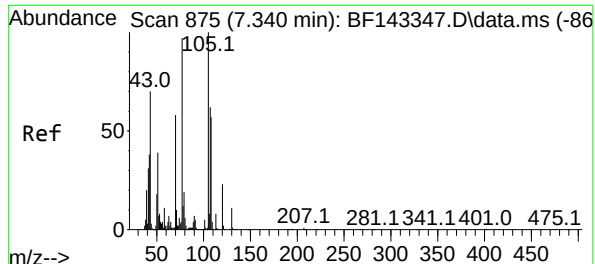
Tgt Ion:	107	Resp:	355981
Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	47.7	38.2	57.2
79	47.4	37.9	56.9



#18
Hexachloroethane
Concen: 41.236 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:	117	Resp:	154773
Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	96.5	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 39.712 ng

RT: 7.340 min Scan# 875

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 304543

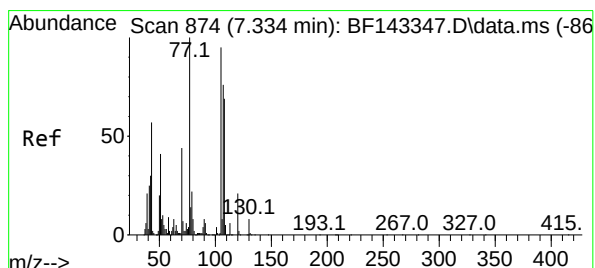
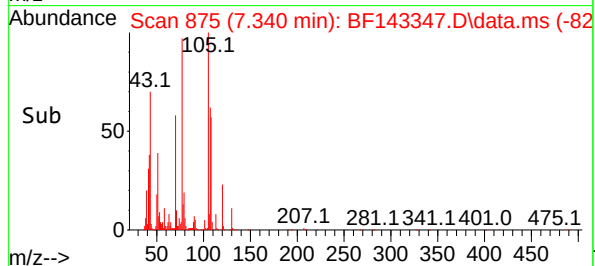
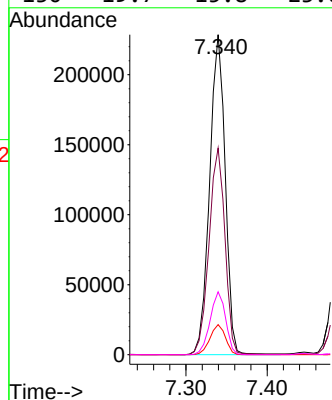
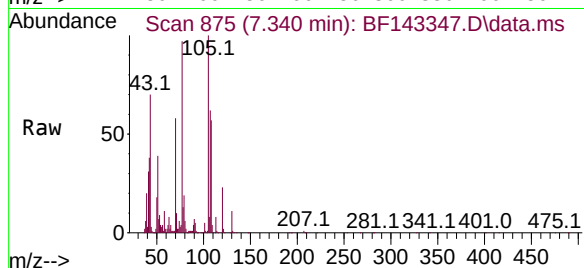
Ion Ratio Lower Upper

70 100

42 64.5 51.6 77.4

101 9.4 7.5 11.3

130 19.7 15.8 23.6



#20

3+4-Methylphenols

Concen: 40.831 ng

RT: 7.334 min Scan# 874

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Tgt Ion: 107 Resp: 431056

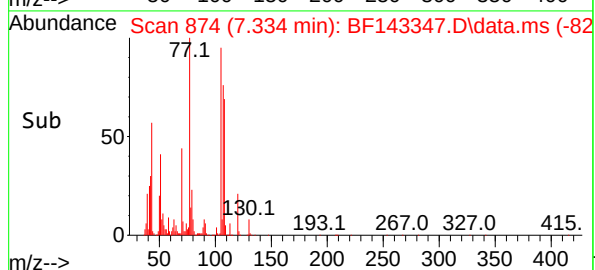
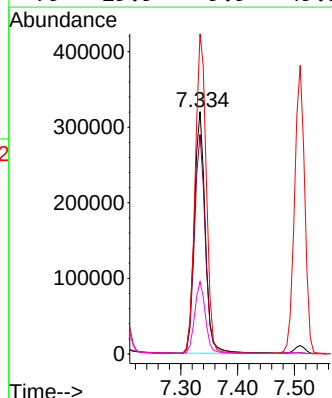
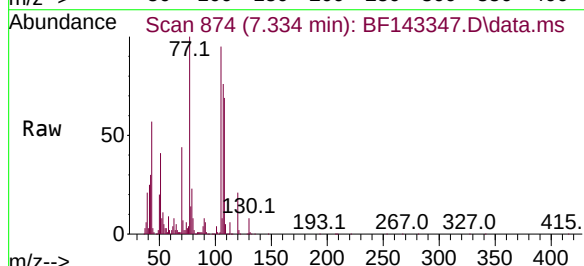
Ion Ratio Lower Upper

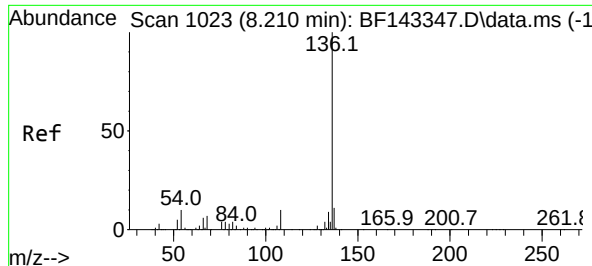
107 100

108 90.6 70.6 110.6

77 132.0 112.0 152.0

79 29.9 9.9 49.9

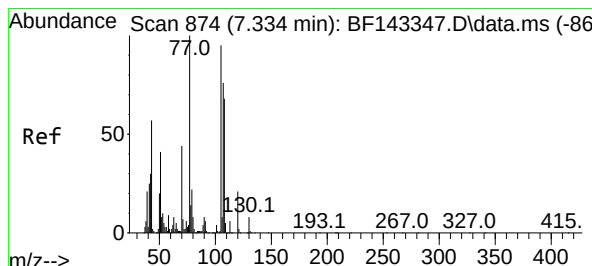
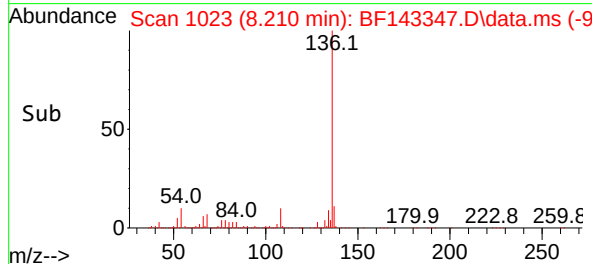
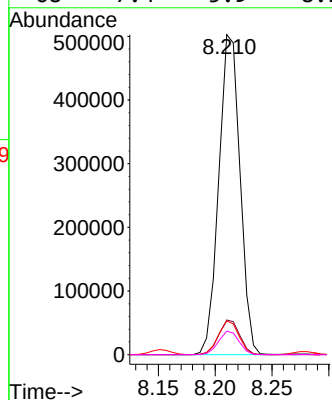
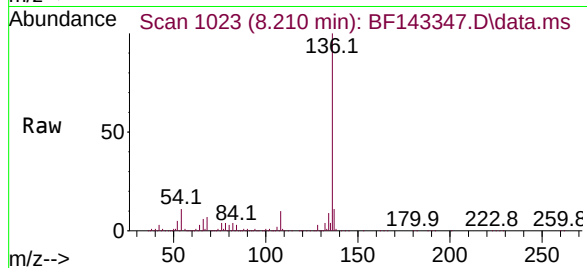




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

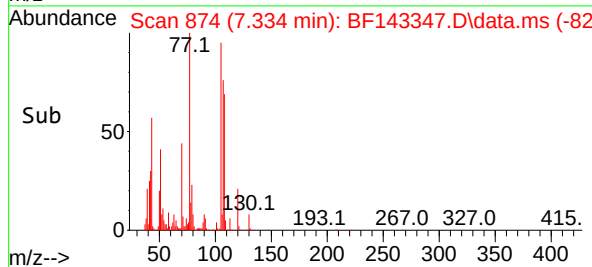
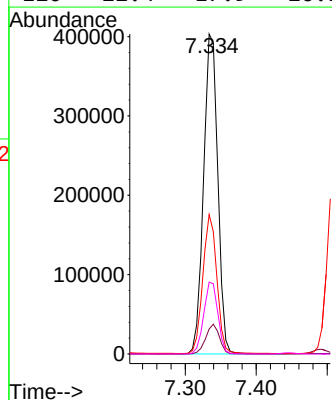
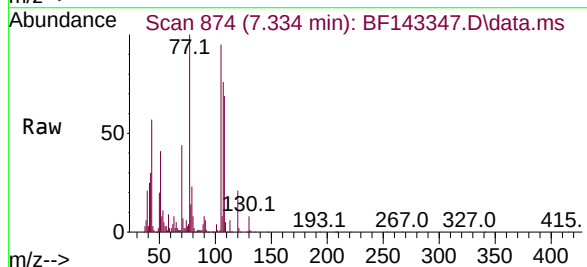
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

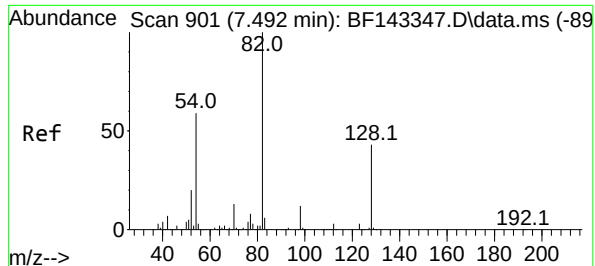
Tgt Ion:	136	Resp:	655032
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.5	8.4	12.6
68	7.4	5.9	8.9



#22
Acetophenone
Concen: 38.966 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:	105	Resp:	562380
Ion	Ratio	Lower	Upper
105	100		
71	7.8	6.2	9.4
51	43.5	34.8	52.2
120	22.4	17.9	26.9





#23

Nitrobenzene-d5

Concen: 83.642 ng

RT: 7.492 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

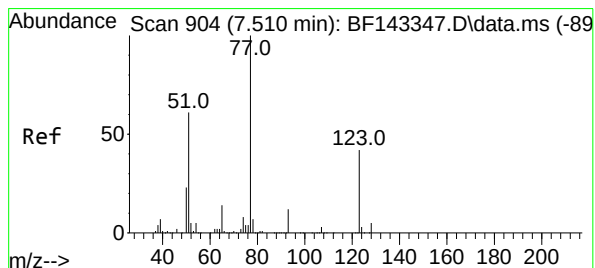
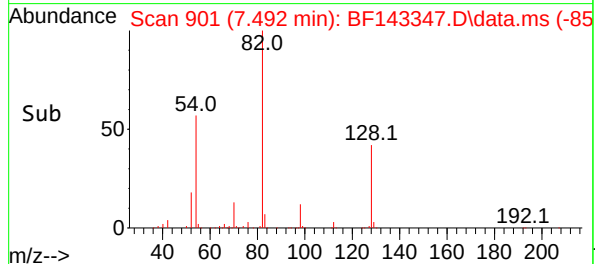
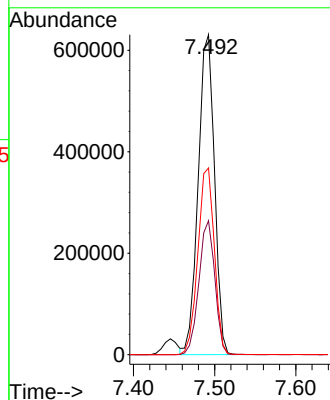
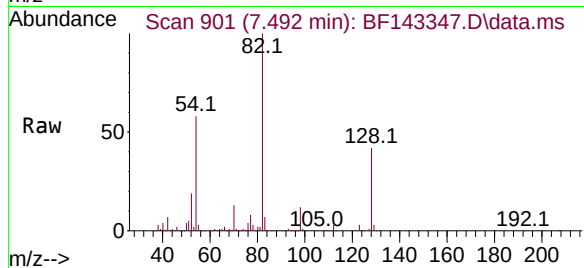
Tgt Ion: 82 Resp: 879802

Ion Ratio Lower Upper

82 100

128 41.9 33.5 50.3

54 58.4 46.7 70.1



#24

Nitrobenzene

Concen: 41.135 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

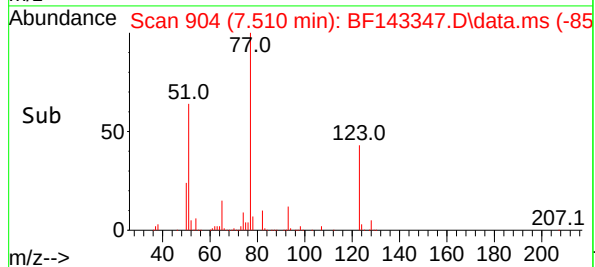
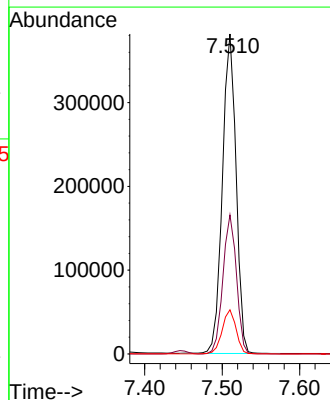
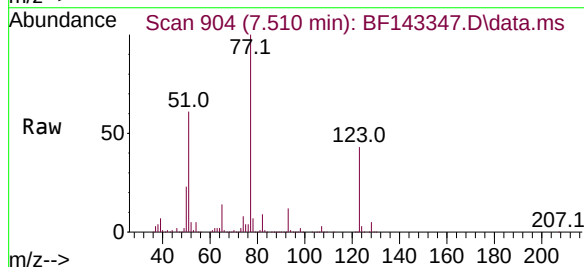
Tgt Ion: 77 Resp: 469916

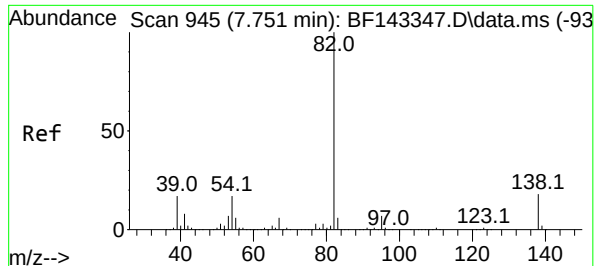
Ion Ratio Lower Upper

77 100

123 43.5 34.8 52.2

65 13.8 11.0 16.6





#25

Isophorone

Concen: 39.360 ng

RT: 7.751 min Scan# 945

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

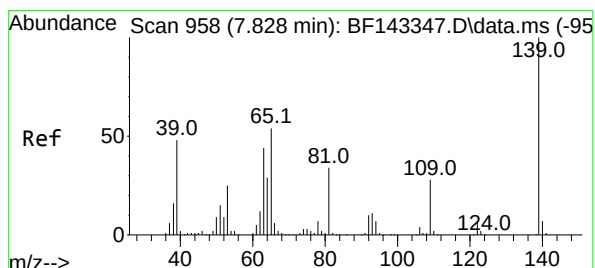
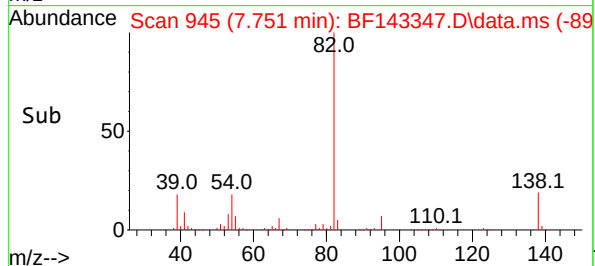
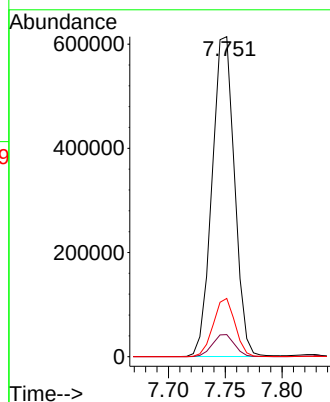
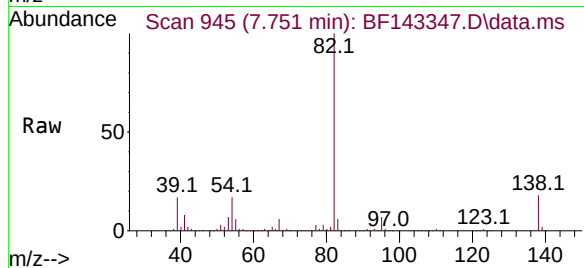
Tgt Ion: 82 Resp: 845188

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

138 18.2 14.6 21.8



#26

2-Nitrophenol

Concen: 37.083 ng

RT: 7.828 min Scan# 958

Delta R.T. -0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

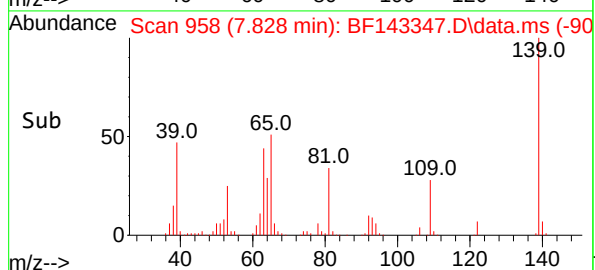
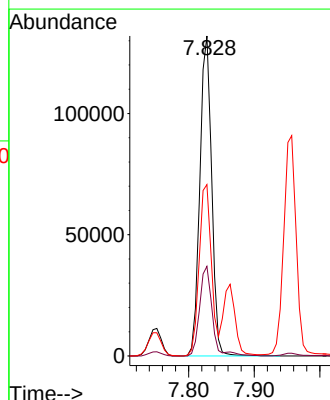
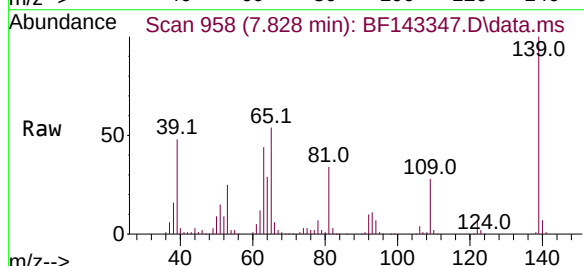
Tgt Ion: 139 Resp: 165661

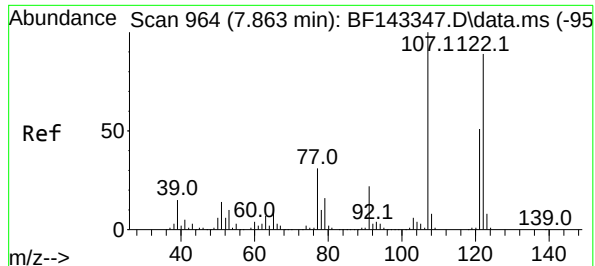
Ion Ratio Lower Upper

139 100

109 28.0 22.4 33.6

65 53.6 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 40.820 ng

RT: 7.863 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

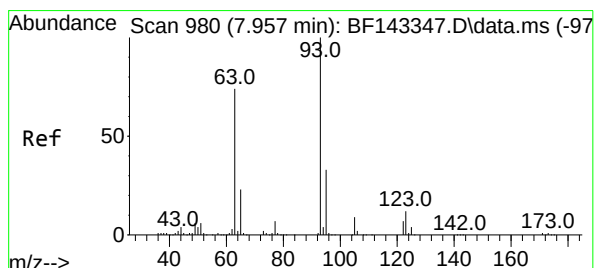
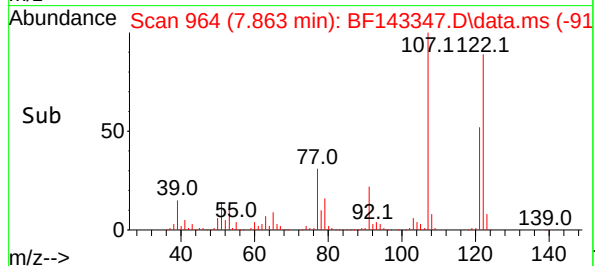
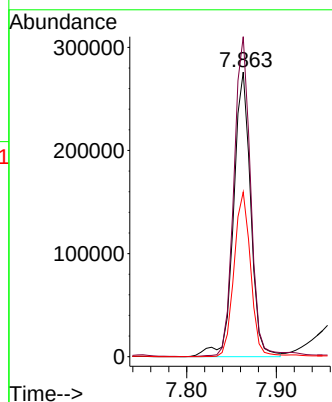
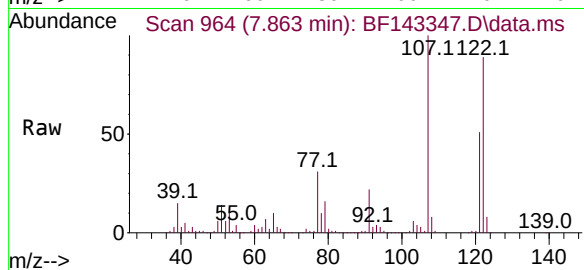
Tgt Ion:122 Resp: 365692

Ion Ratio Lower Upper

122 100

107 112.4 89.9 134.9

121 57.8 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.540 ng

RT: 7.957 min Scan# 980

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

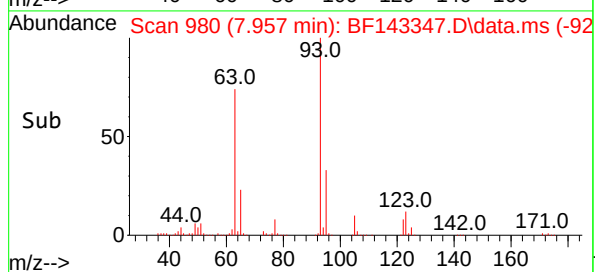
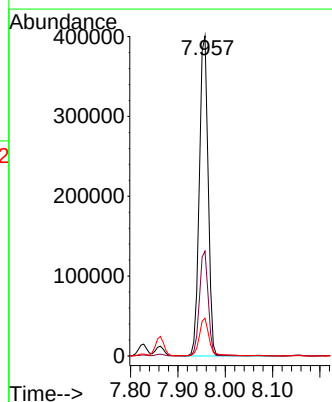
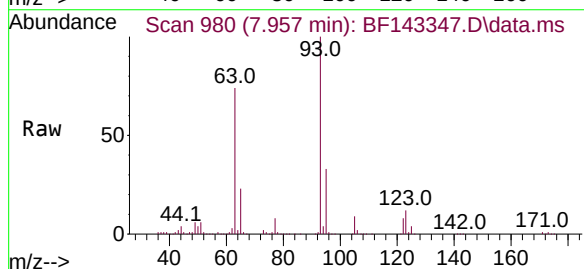
Tgt Ion: 93 Resp: 518389

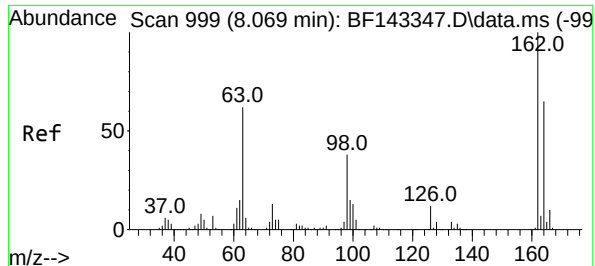
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 11.8 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 41.210 ng

RT: 8.069 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

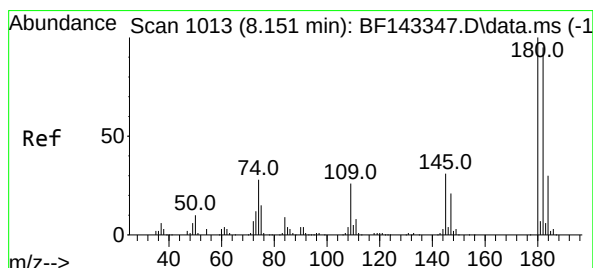
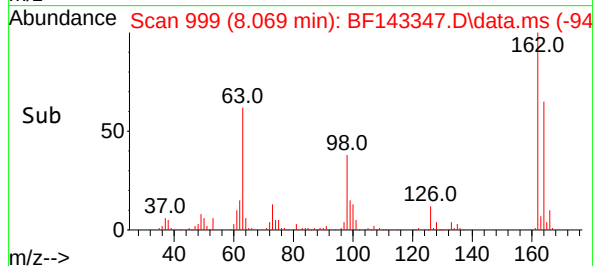
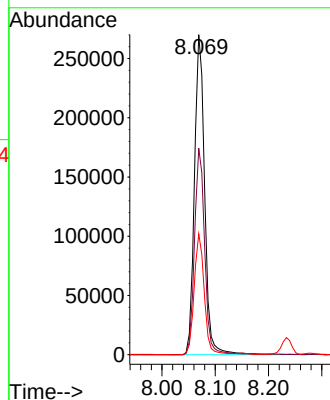
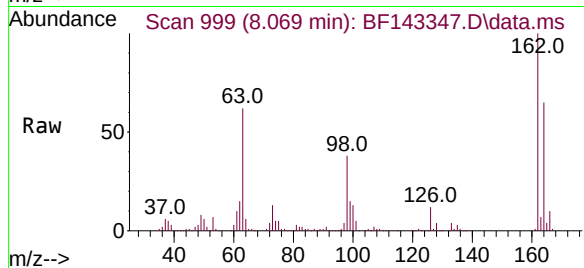
Tgt Ion:162 Resp: 360583

Ion Ratio Lower Upper

162 100

164 64.5 44.5 84.5

98 37.7 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 39.377 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

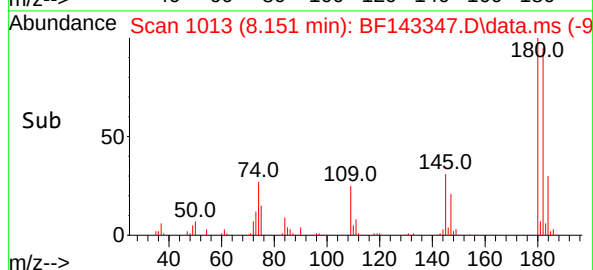
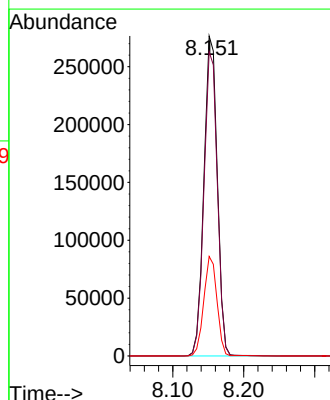
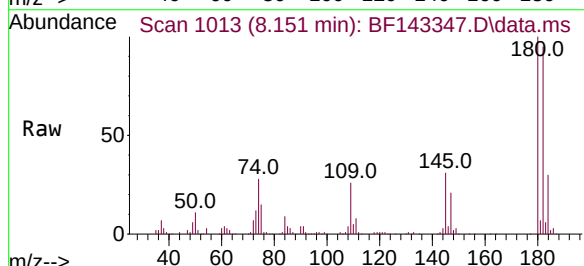
Tgt Ion:180 Resp: 363439

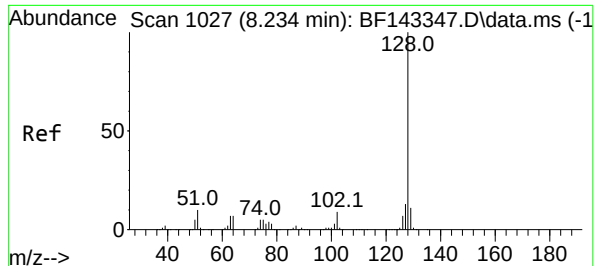
Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 31.1 24.9 37.3





#31

Naphthalene

Concen: 39.250 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

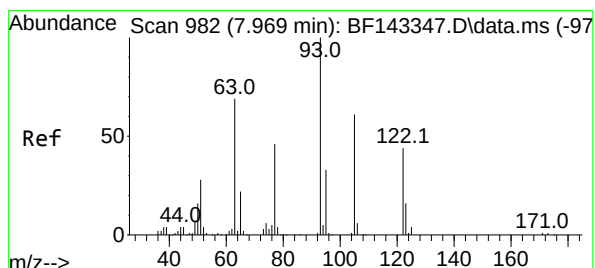
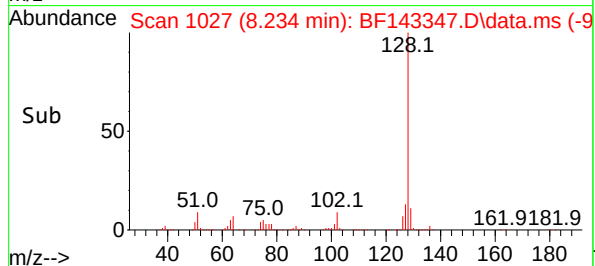
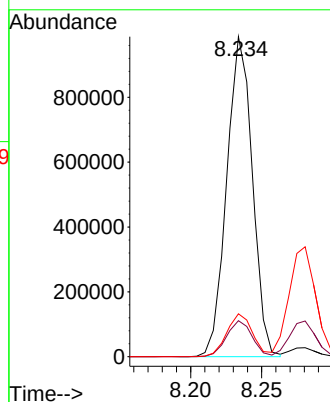
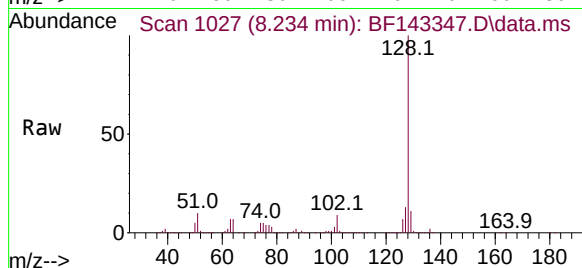
Tgt Ion:128 Resp: 1237121

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

127 13.4 10.7 16.1



#32

Benzoic acid

Concen: 39.021 ng

RT: 7.969 min Scan# 982

Delta R.T. -0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

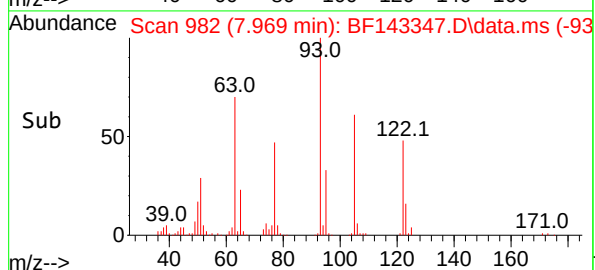
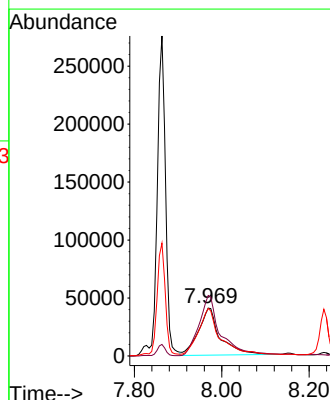
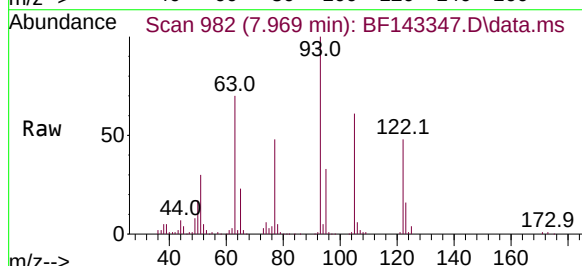
Tgt Ion:122 Resp: 141523

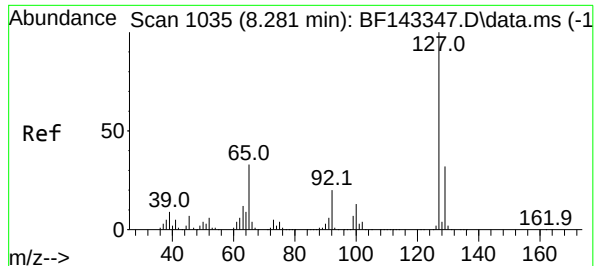
Ion Ratio Lower Upper

122 100

105 126.4 106.4 146.4

77 99.2 79.2 119.2





#33

4-Chloroaniline

Concen: 39.784 ng

RT: 8.281 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 452276

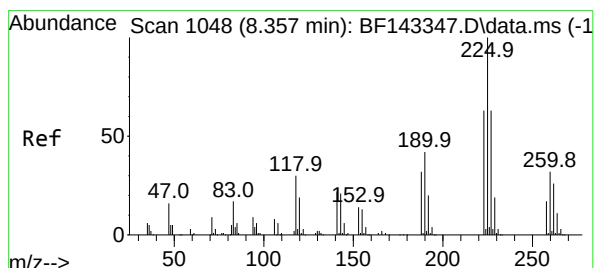
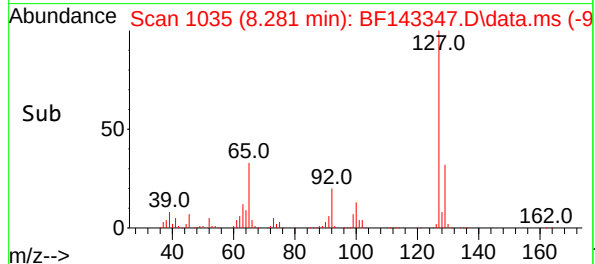
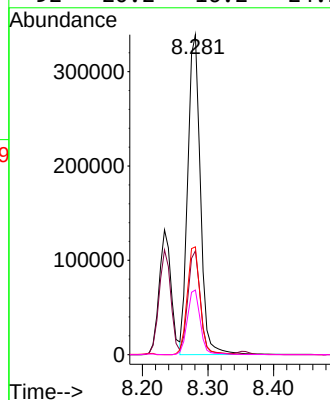
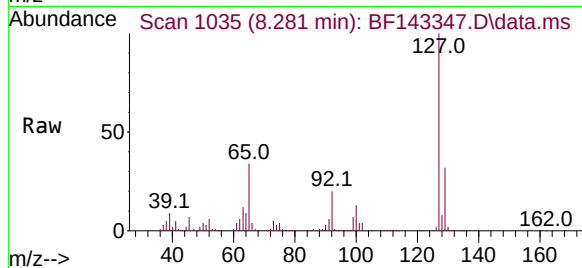
Ion Ratio Lower Upper

127 100

129 32.5 26.0 39.0

65 33.7 27.0 40.4

92 20.2 16.2 24.2



#34

Hexachlorobutadiene

Concen: 39.902 ng

RT: 8.357 min Scan# 1048

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

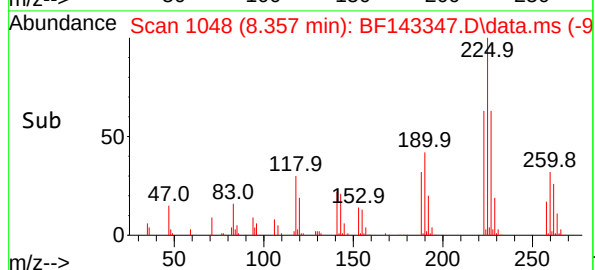
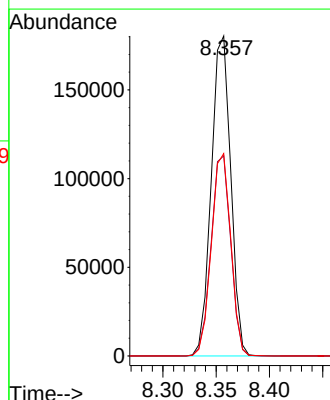
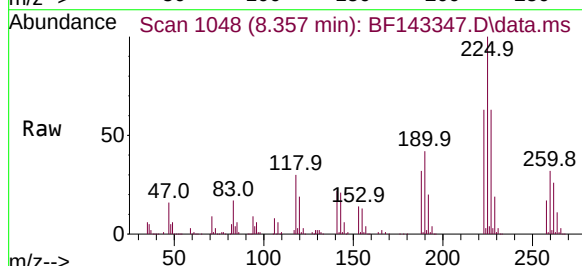
Tgt Ion:225 Resp: 229101

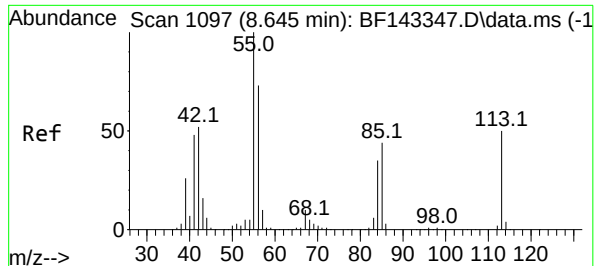
Ion Ratio Lower Upper

225 100

223 62.6 50.1 75.1

227 63.2 50.6 75.8

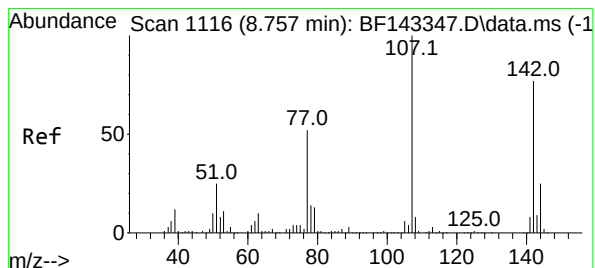
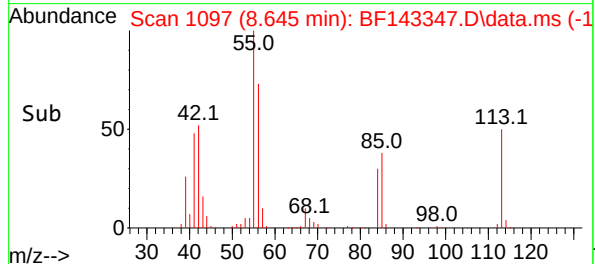
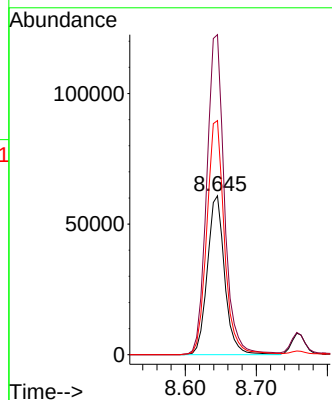
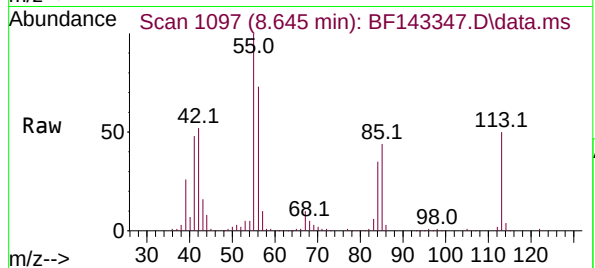




#35
Caprolactam
Concen: 41.884 ng
RT: 8.645 min Scan# 1097
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

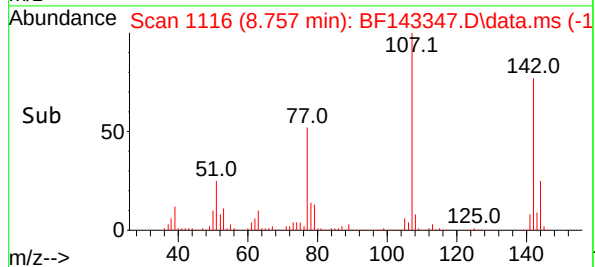
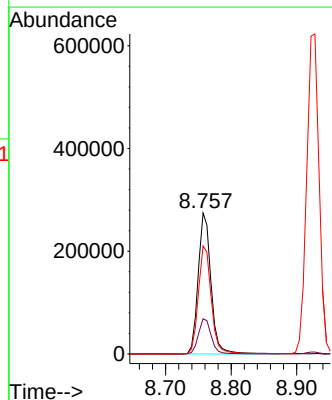
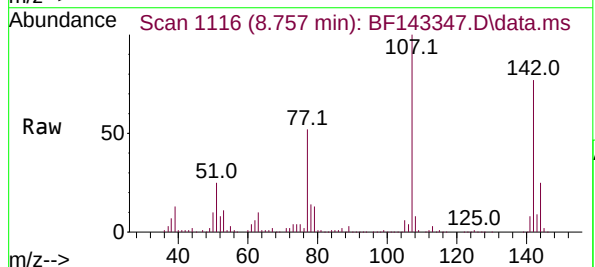
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

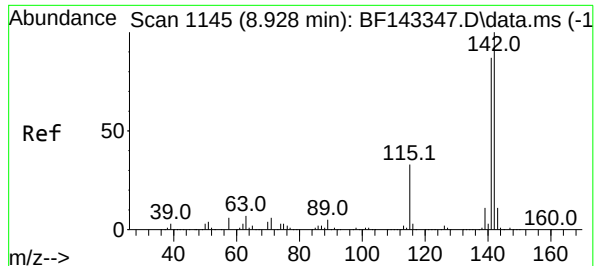
Tgt Ion:113 Resp: 103025
Ion Ratio Lower Upper
113 100
55 201.4 181.4 221.4
56 147.3 127.3 167.3



#36
4-Chloro-3-methylphenol
Concen: 40.883 ng
RT: 8.757 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:107 Resp: 375017
Ion Ratio Lower Upper
107 100
144 25.0 20.0 30.0
142 76.6 61.3 91.9





#37

2-Methylnaphthalene

Concen: 39.298 ng

RT: 8.928 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

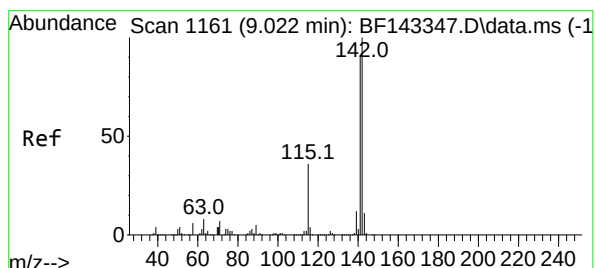
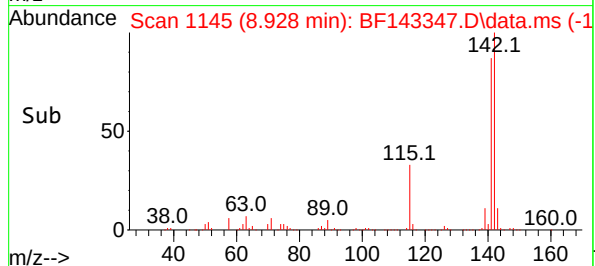
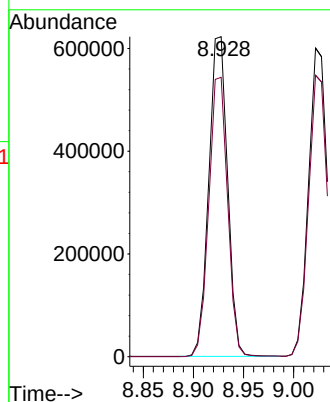
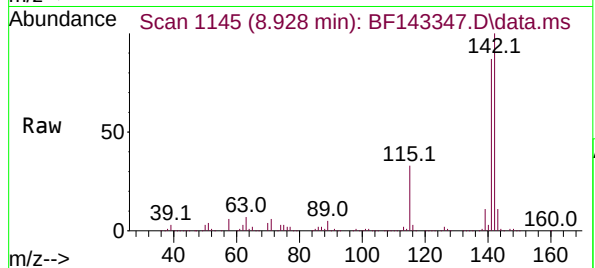
SSTDICCC040

Tgt Ion:142 Resp: 814304

Ion Ratio Lower Upper

142 100

141 87.3 69.8 104.8



#38

1-Methylnaphthalene

Concen: 39.075 ng

RT: 9.022 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF143347.D

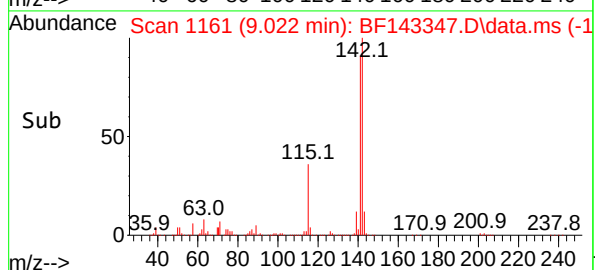
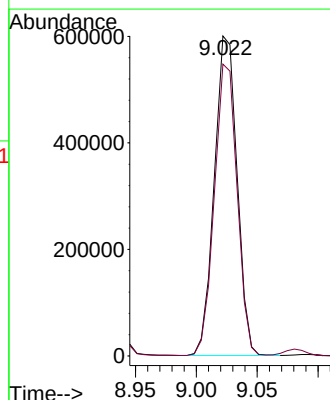
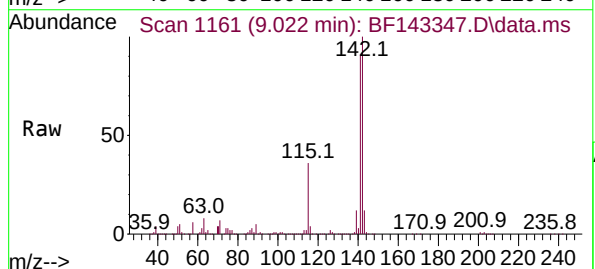
Acq: 12 Aug 2025 11:06

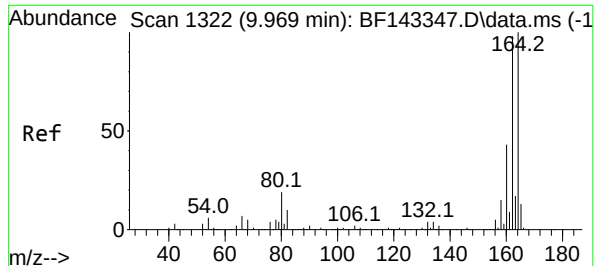
Tgt Ion:142 Resp: 779823

Ion Ratio Lower Upper

142 100

141 91.2 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

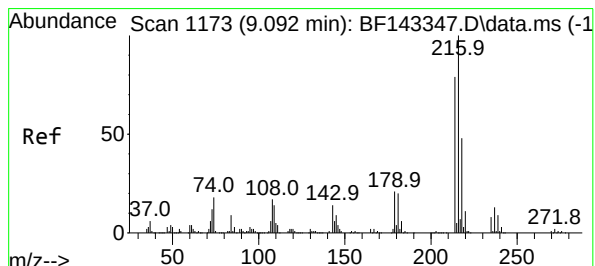
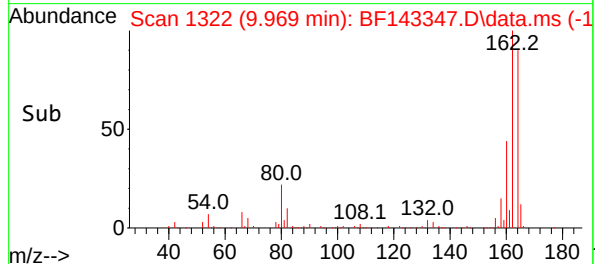
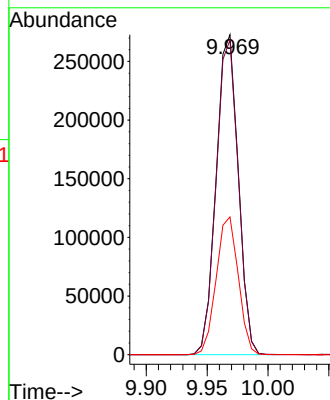
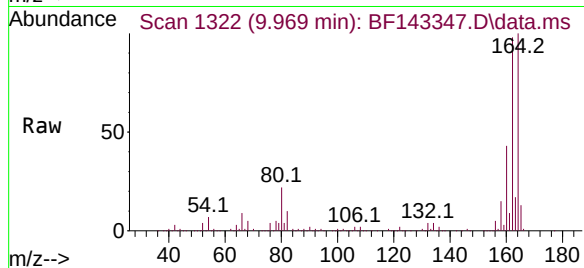
Tgt Ion:164 Resp: 345532

Ion Ratio Lower Upper

164 100

162 98.3 78.6 118.0

160 43.0 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.640 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Tgt Ion:216 Resp: 374807

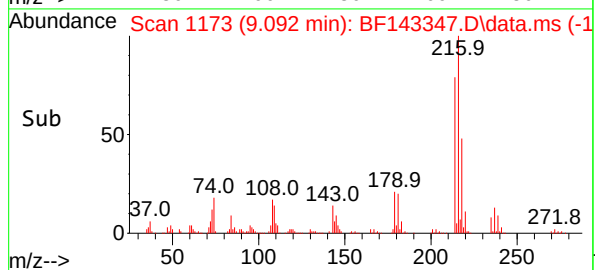
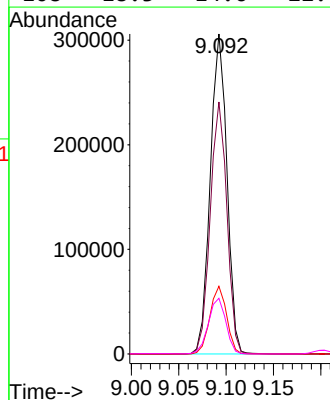
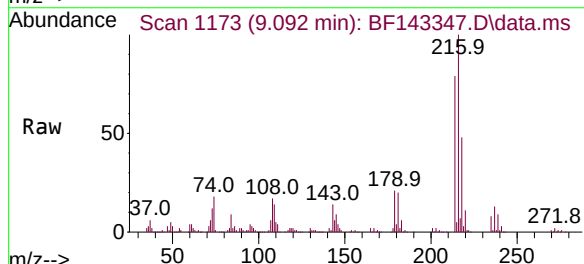
Ion Ratio Lower Upper

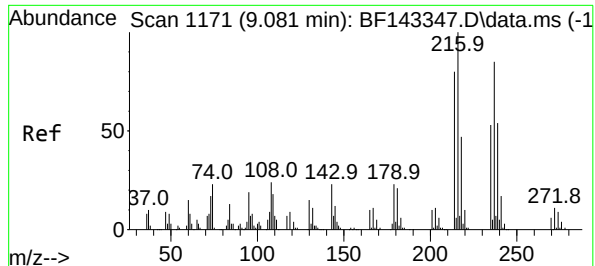
216 100

214 78.7 63.0 94.4

179 21.2 17.0 25.4

108 18.3 14.6 22.0

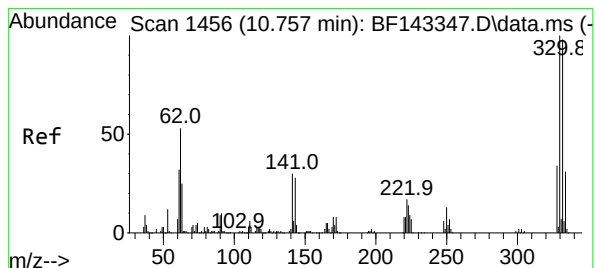
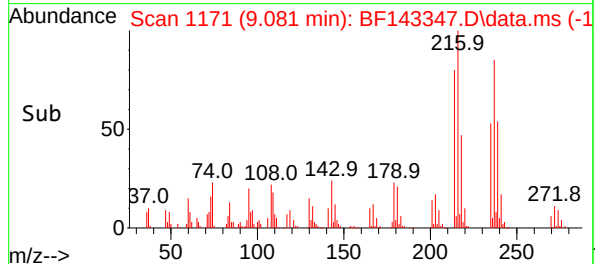
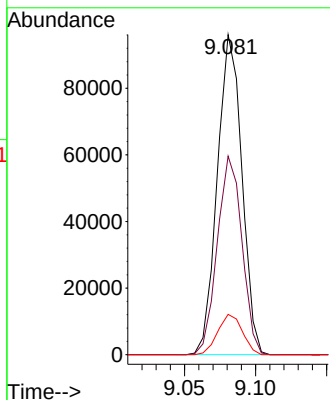
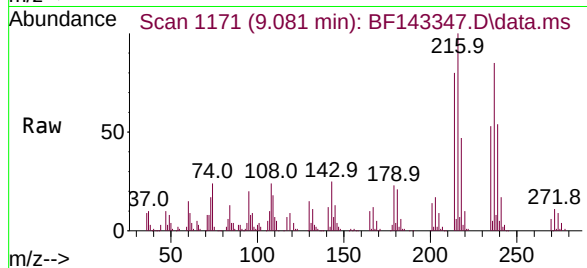




#41
Hexachlorocyclopentadiene
Concen: 38.401 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

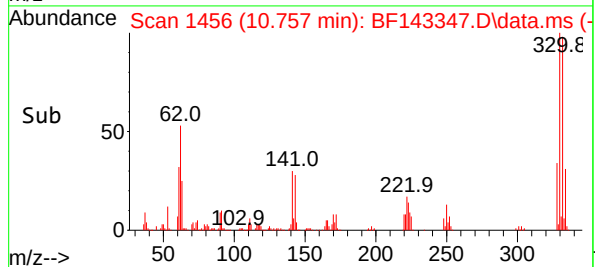
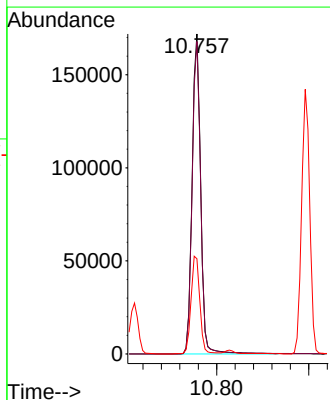
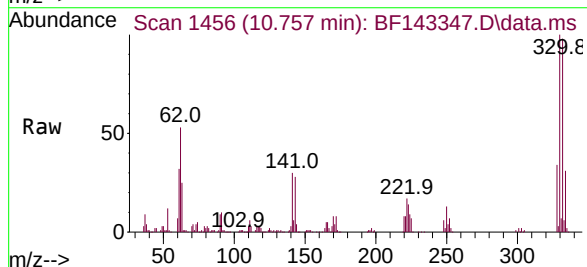
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

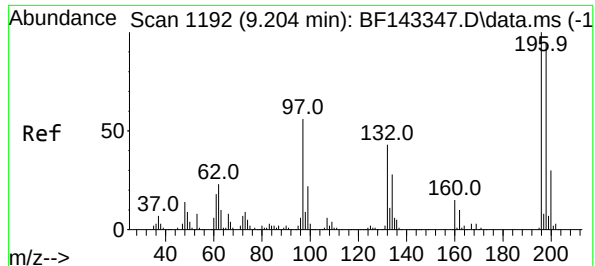
Tgt Ion: 237 Resp: 115551
Ion Ratio Lower Upper
237 100
235 62.0 42.0 82.0
272 12.6 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 87.313 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 330 Resp: 220484
Ion Ratio Lower Upper
330 100
332 97.6 78.1 117.1
141 31.7 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 43.008 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

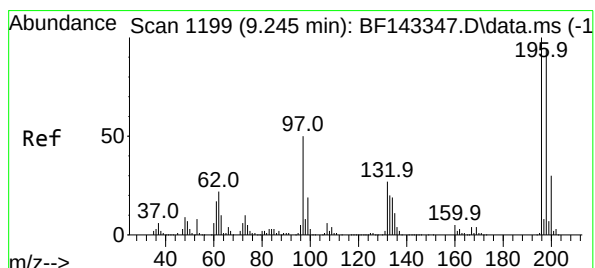
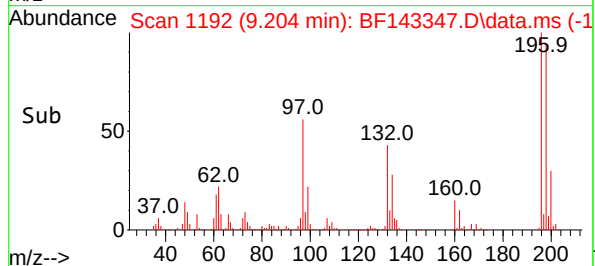
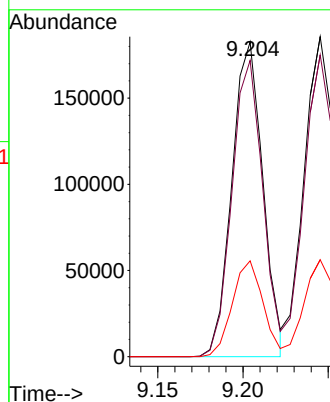
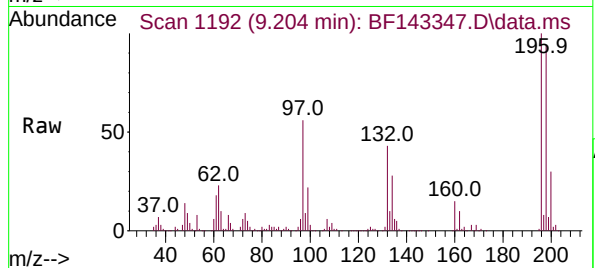
Tgt Ion:196 Resp: 230730

Ion Ratio Lower Upper

196 100

198 94.2 75.4 113.0

200 30.4 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 43.029 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Tgt Ion:196 Resp: 260681

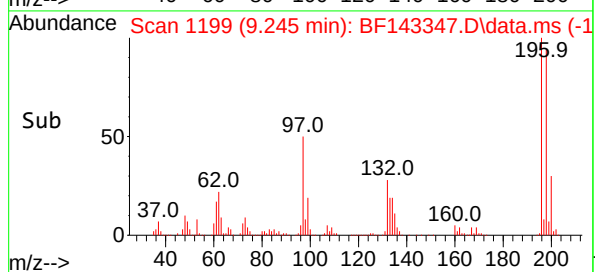
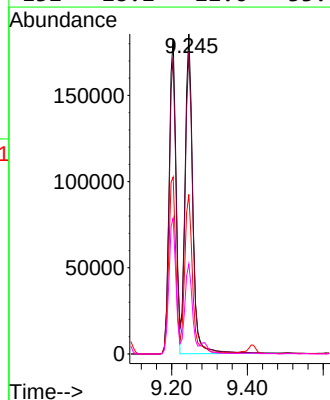
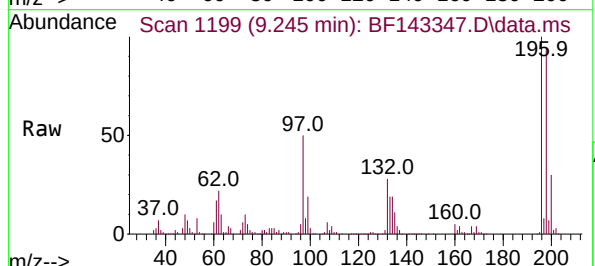
Ion Ratio Lower Upper

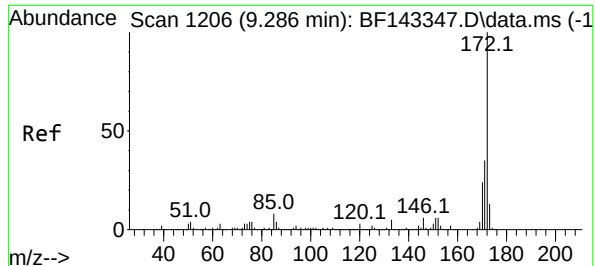
196 100

198 94.3 75.4 113.2

97 49.9 39.9 59.9

132 28.2 22.6 33.8

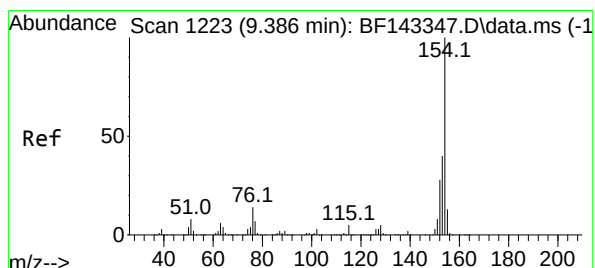
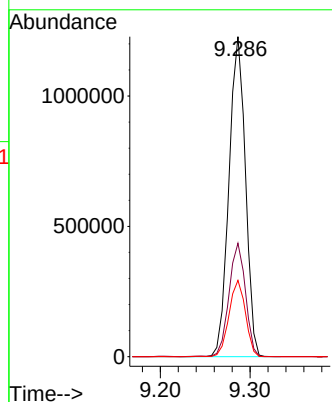
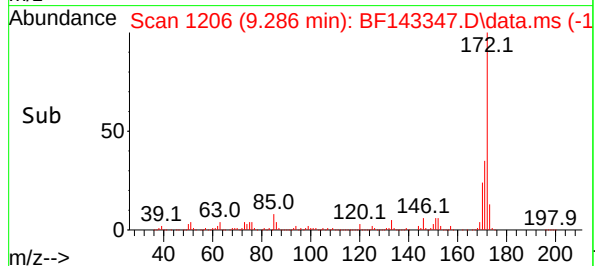
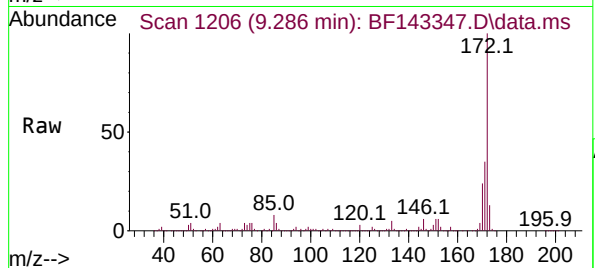




#45
2-Fluorobiphenyl
Concen: 76.811 ng
RT: 9.286 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

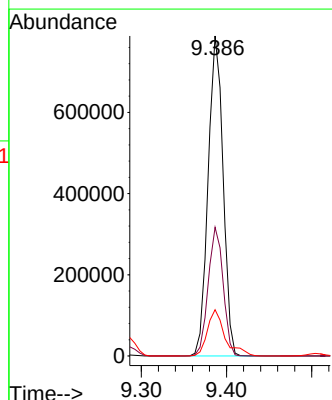
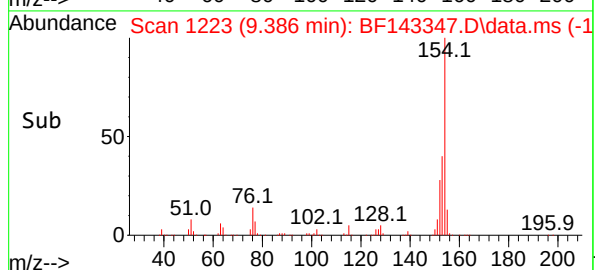
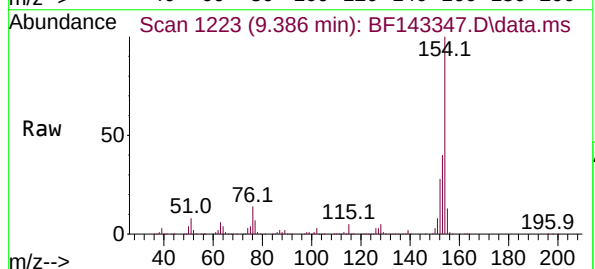
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

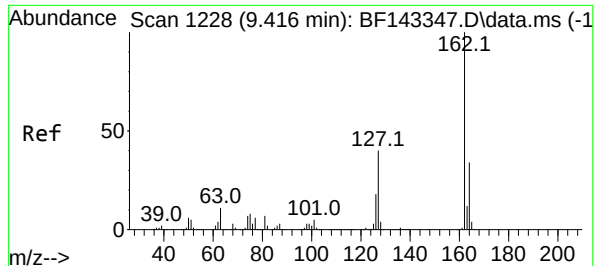
Tgt Ion:172 Resp: 1565121
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.9 19.1 28.7



#46
1,1'-Biphenyl
Concen: 39.285 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:154 Resp: 959774
Ion Ratio Lower Upper
154 100
153 40.2 20.2 60.2
76 14.4 0.0 34.4





#47

2-Chloronaphthalene

Concen: 39.322 ng

RT: 9.416 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

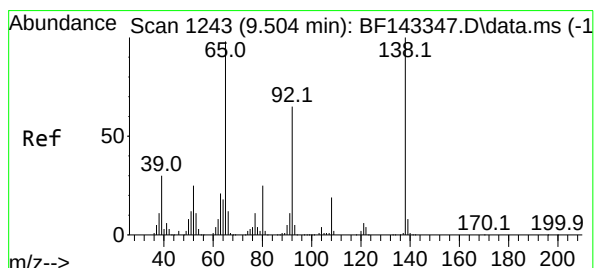
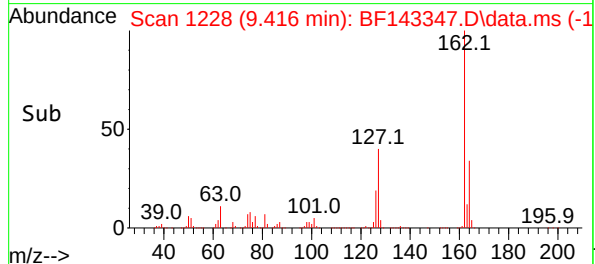
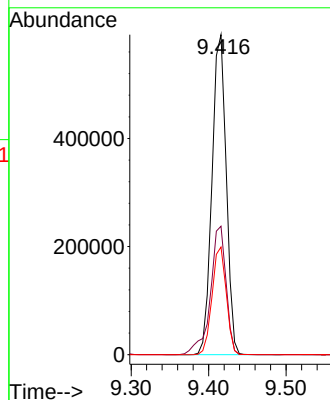
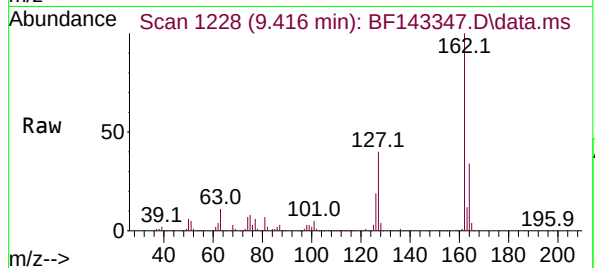
Tgt Ion:162 Resp: 756597

Ion Ratio Lower Upper

162 100

127 40.1 32.1 48.1

164 33.7 27.0 40.4



#48

2-Nitroaniline

Concen: 39.058 ng

RT: 9.504 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

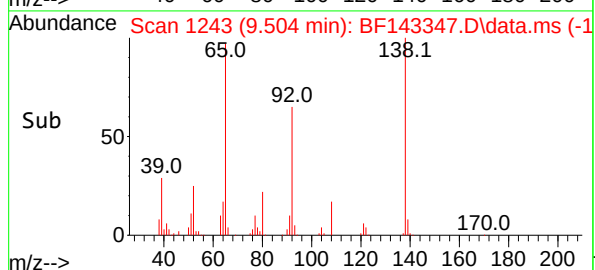
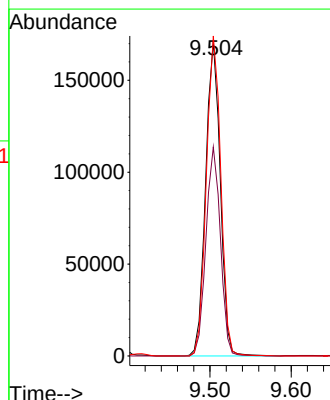
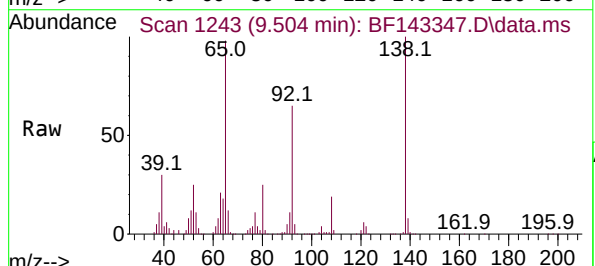
Tgt Ion: 65 Resp: 213717

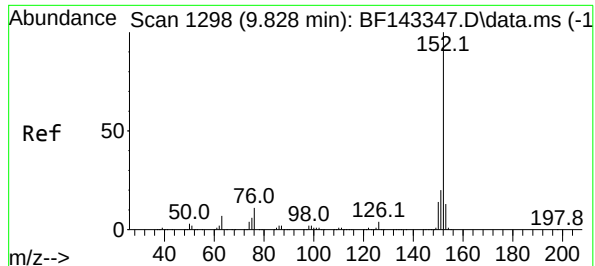
Ion Ratio Lower Upper

65 100

92 66.4 53.1 79.7

138 101.7 81.4 122.0





#49

Acenaphthylene

Concen: 39.490 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

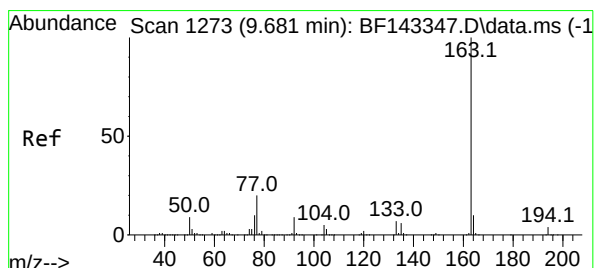
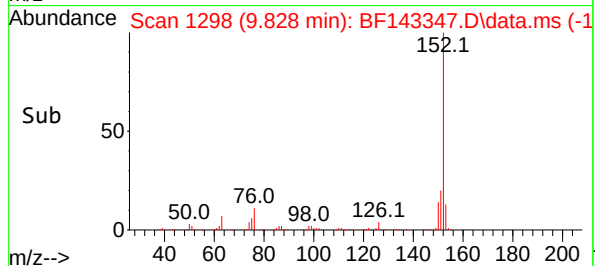
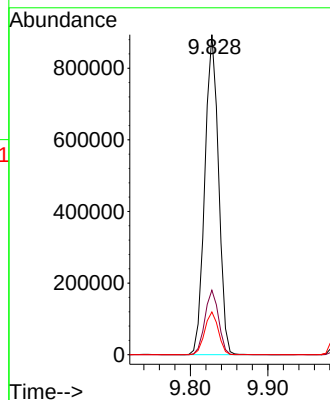
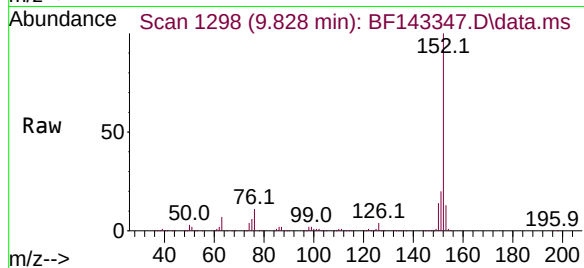
Tgt Ion:152 Resp: 1097291

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 40.398 ng

RT: 9.681 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

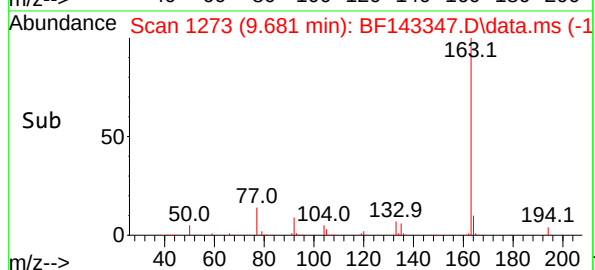
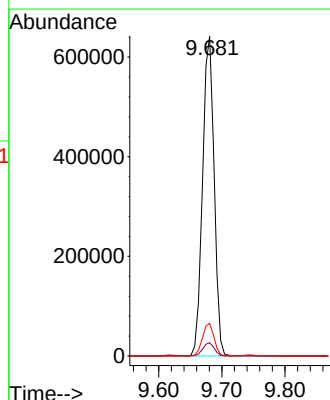
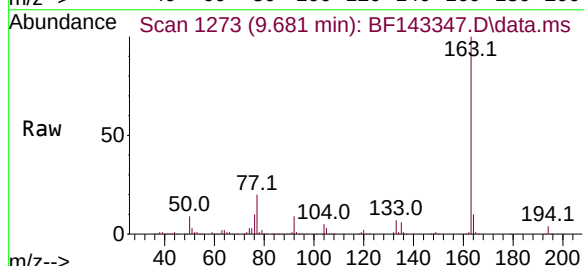
Tgt Ion:163 Resp: 815627

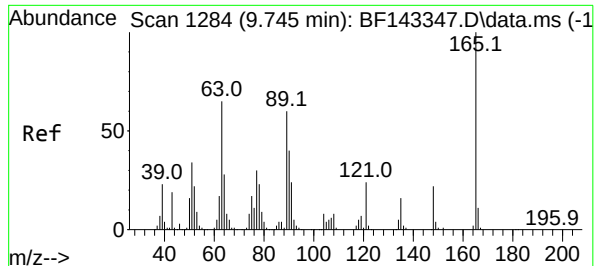
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 39.128 ng

RT: 9.745 min Scan# 1284

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

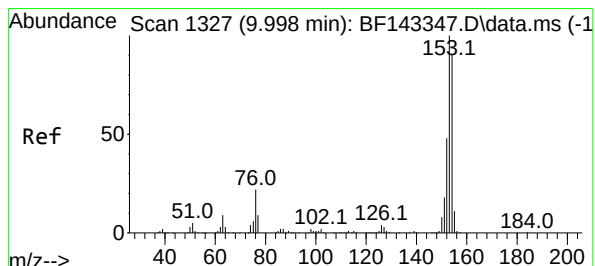
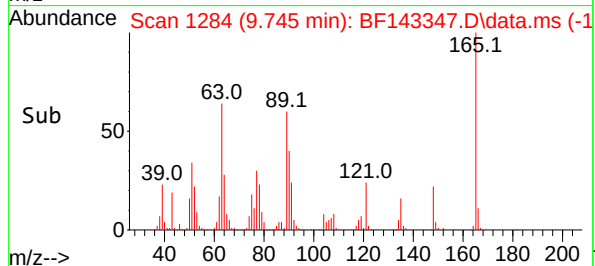
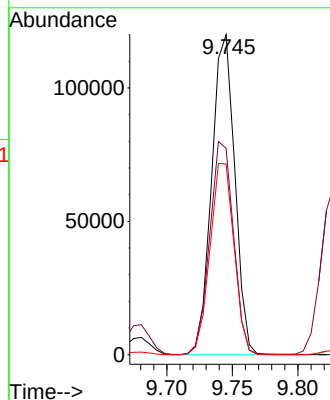
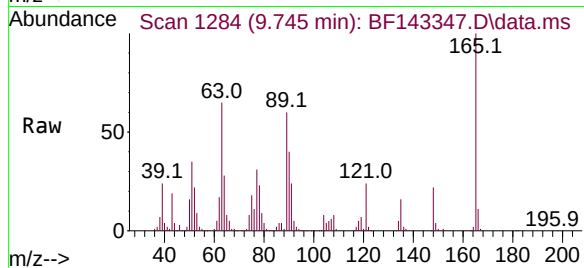
Tgt Ion:165 Resp: 147260

Ion Ratio Lower Upper

165 100

63 64.5 51.6 77.4

89 59.6 47.7 71.5



#52

Acenaphthene

Concen: 39.446 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

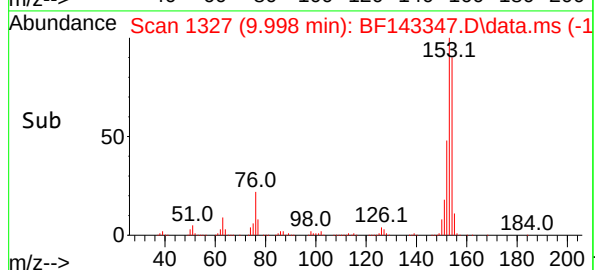
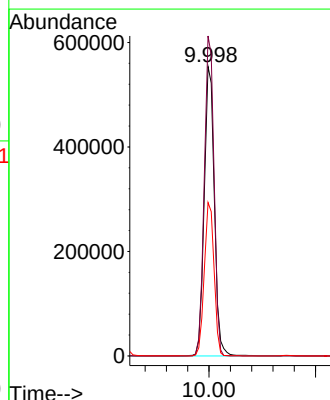
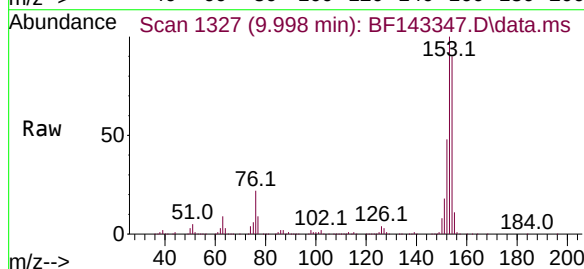
Tgt Ion:154 Resp: 728691

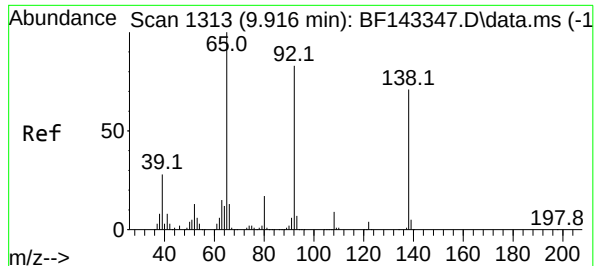
Ion Ratio Lower Upper

154 100

153 110.6 88.5 132.7

152 53.0 42.4 63.6

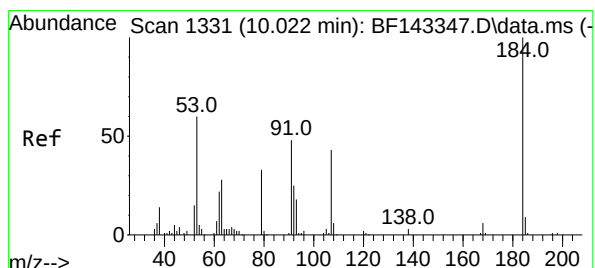
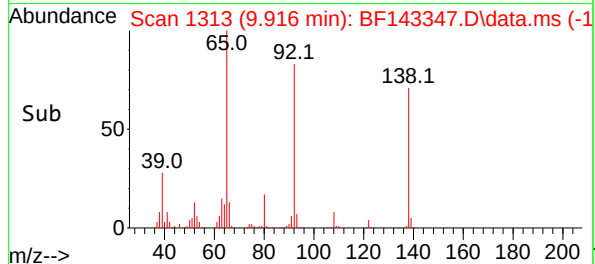
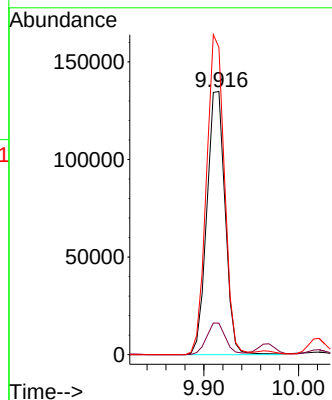
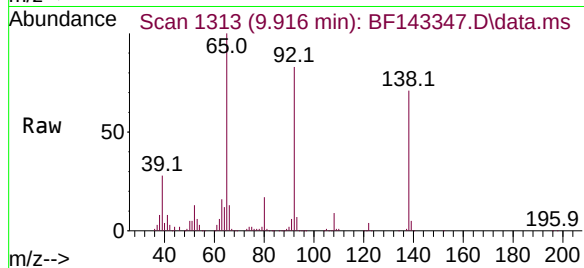




#53
3-Nitroaniline
Concen: 43.642 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

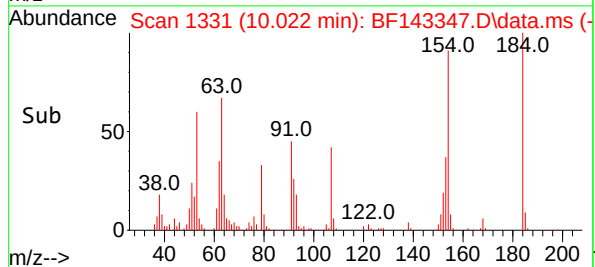
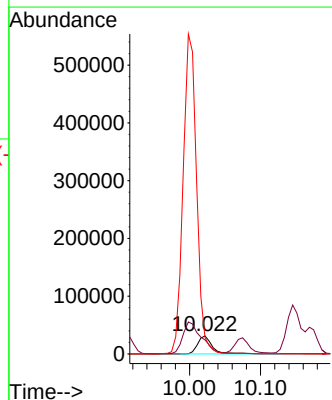
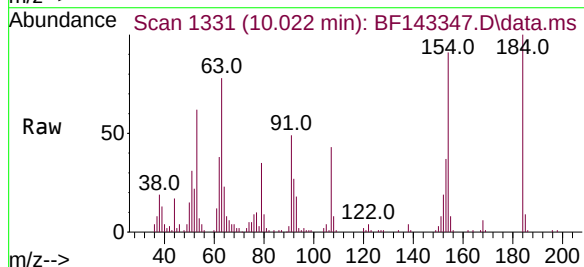
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

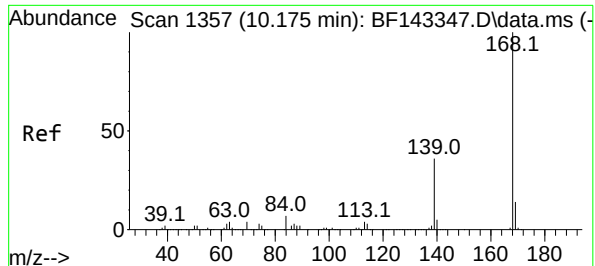
Tgt Ion:138 Resp: 180447
Ion Ratio Lower Upper
138 100
108 12.0 9.6 14.4
92 116.8 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 39.434 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:184 Resp: 45578
Ion Ratio Lower Upper
184 100
63 78.1 62.5 93.7
154 91.2 73.0 109.4





#55

Dibenzenofuran

Concen: 39.267 ng

RT: 10.175 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

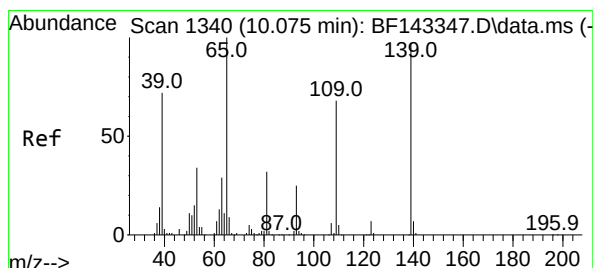
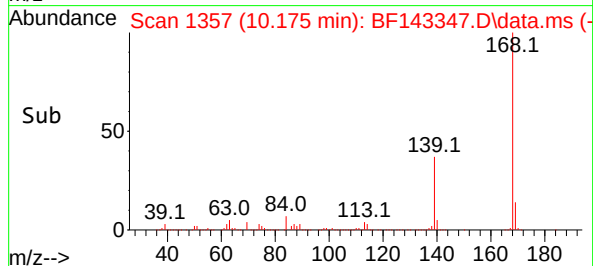
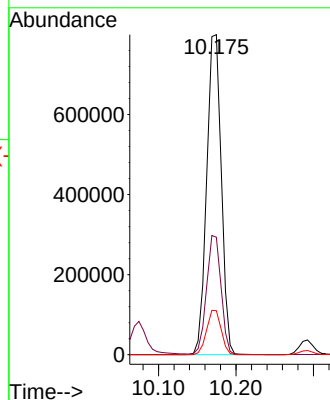
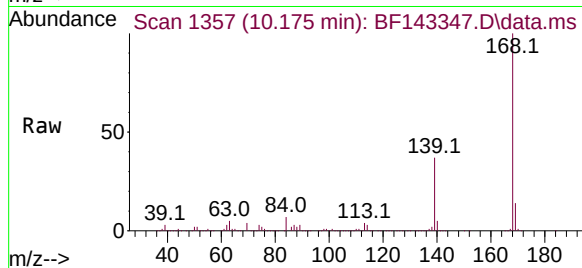
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:168 Resp: 1043986

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.4	44.0
169	13.8	11.0	16.6



#56

4-Nitrophenol

Concen: 39.132 ng

RT: 10.075 min Scan# 1340

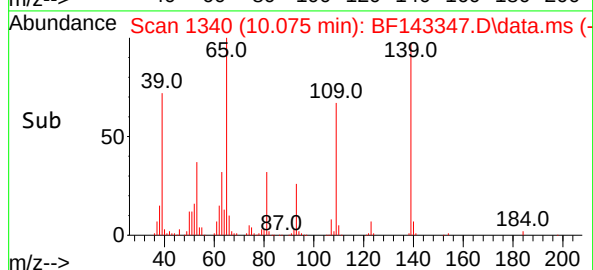
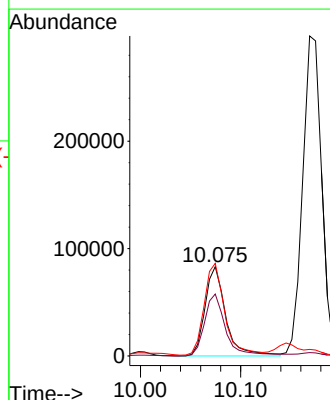
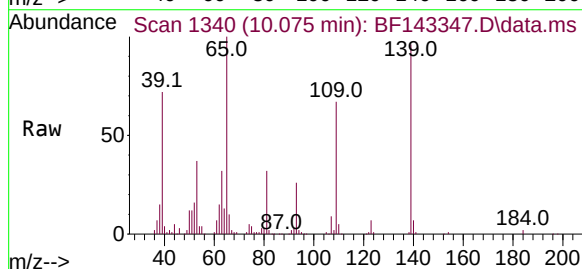
Delta R.T. -0.000 min

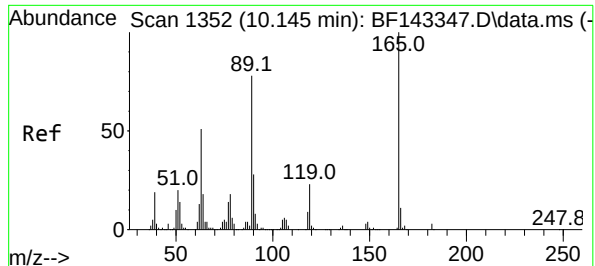
Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Tgt Ion:139 Resp: 119387

Ion	Ratio	Lower	Upper
139	100		
109	69.4	49.4	89.4
65	103.7	83.7	123.7





#57

2,4-Dinitrotoluene

Concen: 39.946 ng

RT: 10.145 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:165 Resp: 199781

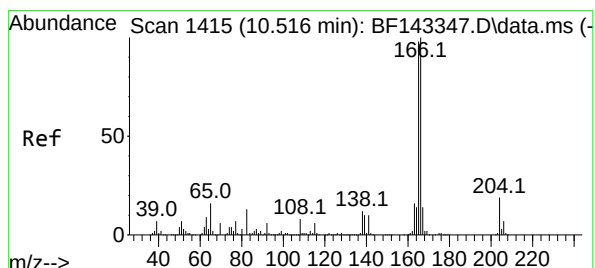
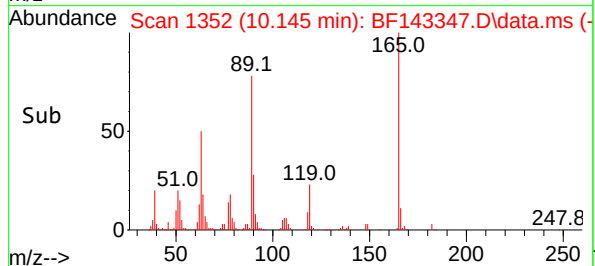
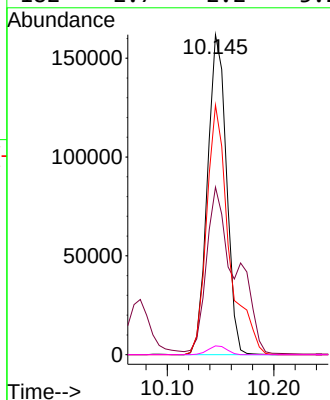
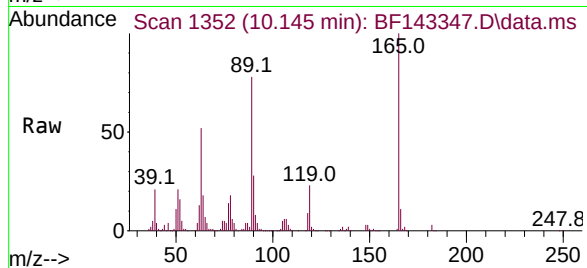
Ion Ratio Lower Upper

165 100

63 52.3 41.8 62.8

89 78.0 62.4 93.6

182 2.7 2.2 3.2



#58

Fluorene

Concen: 38.860 ng

RT: 10.516 min Scan# 1415

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

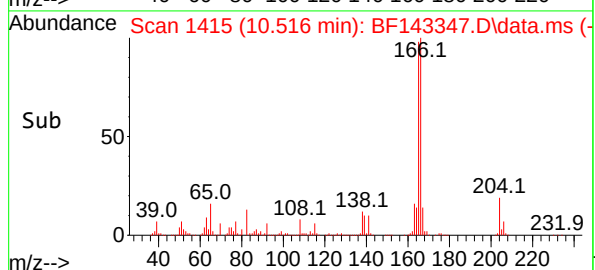
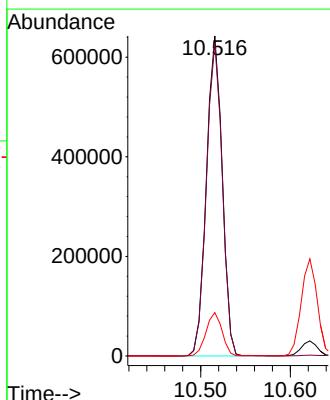
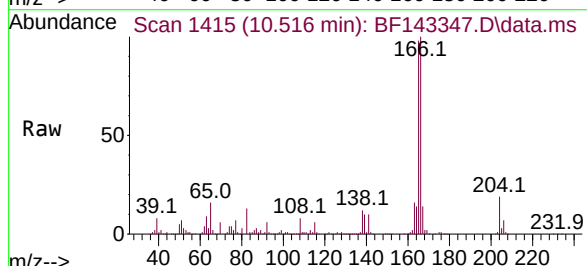
Tgt Ion:166 Resp: 789149

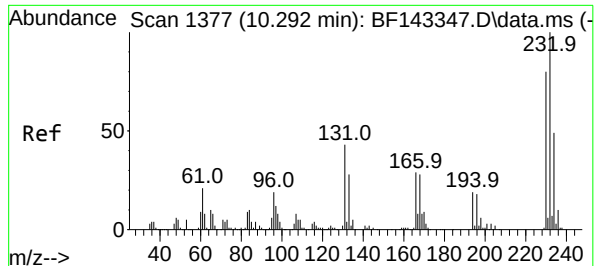
Ion Ratio Lower Upper

166 100

165 97.8 78.2 117.4

167 13.6 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.137 ng

RT: 10.292 min Scan# 1377

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:232 Resp: 176166

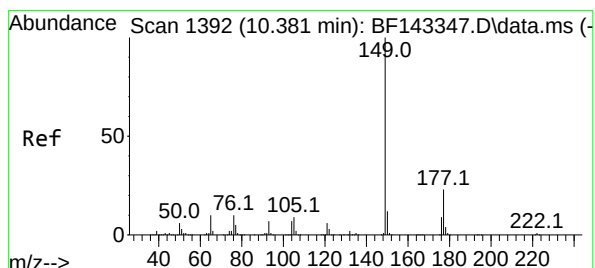
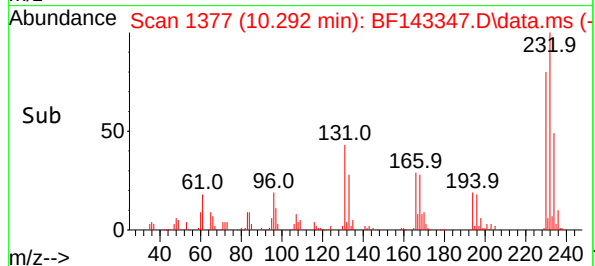
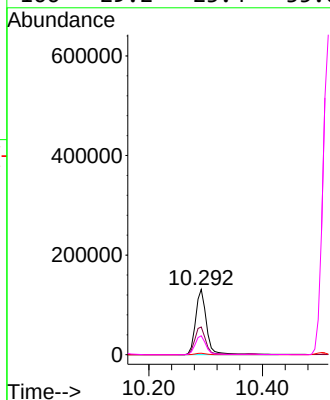
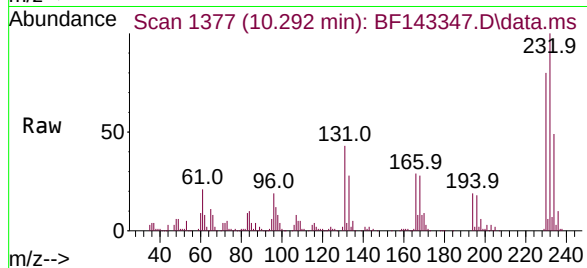
Ion Ratio Lower Upper

232 100

131 43.2 34.6 51.8

130 2.1 1.7 2.5

166 29.2 23.4 35.0



#60

Diethylphthalate

Concen: 41.295 ng

RT: 10.381 min Scan# 1392

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

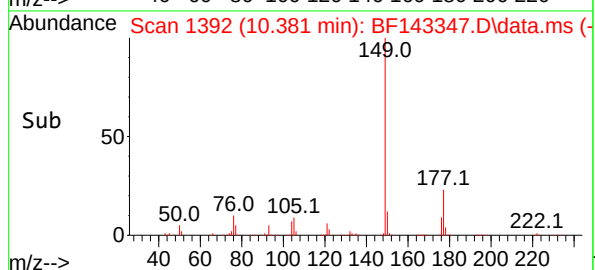
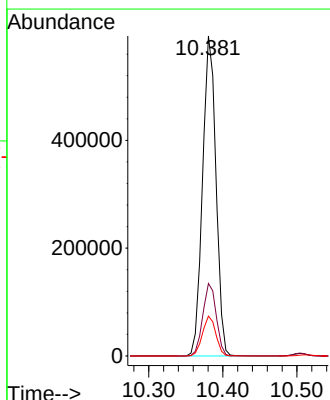
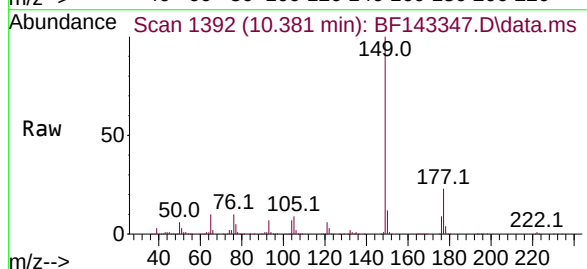
Tgt Ion:149 Resp: 746813

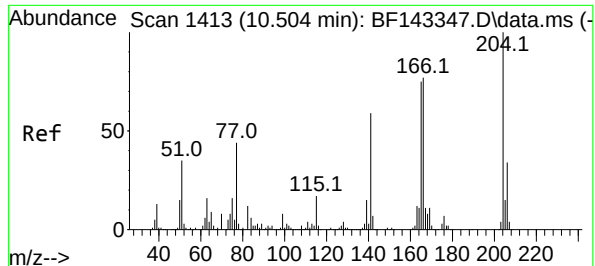
Ion Ratio Lower Upper

149 100

177 22.7 18.2 27.2

150 12.4 9.9 14.9

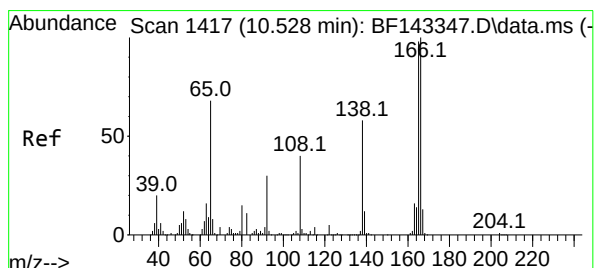
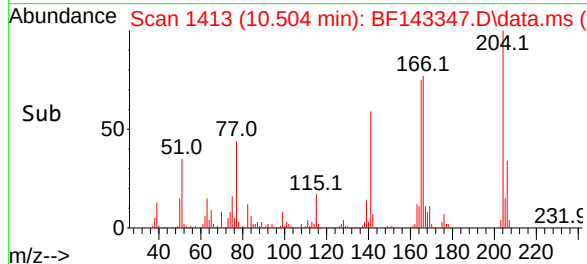
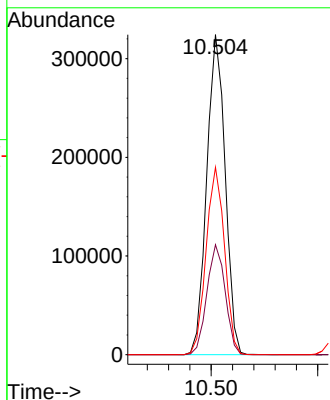
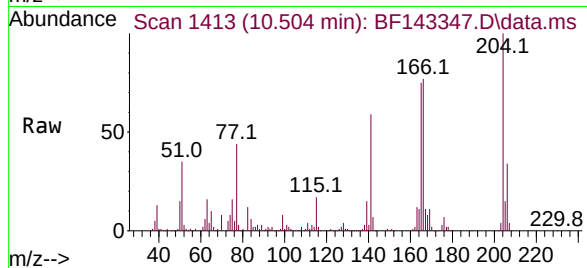




#61
4-Chlorophenyl-phenylether
Concen: 39.656 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

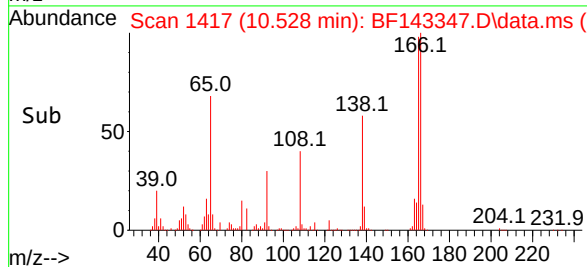
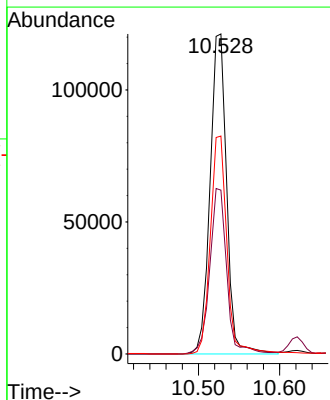
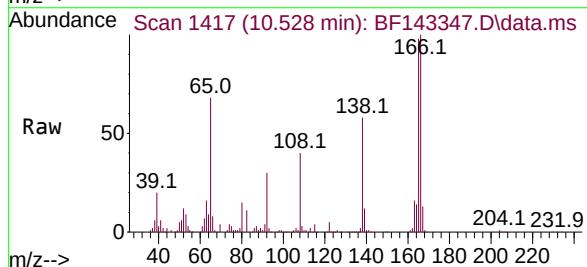
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

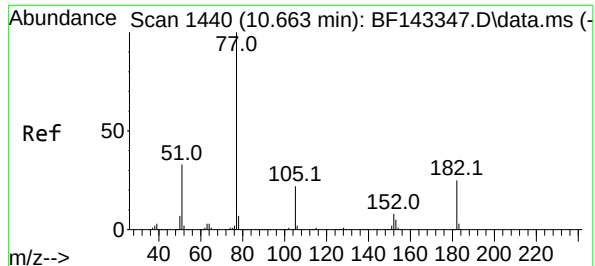
Tgt Ion:204 Resp: 389122
Ion Ratio Lower Upper
204 100
206 34.3 27.4 41.2
141 58.6 46.9 70.3



#62
4-Nitroaniline
Concen: 42.946 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:138 Resp: 171799
Ion Ratio Lower Upper
138 100
92 51.2 31.2 71.2
108 68.1 48.1 88.1

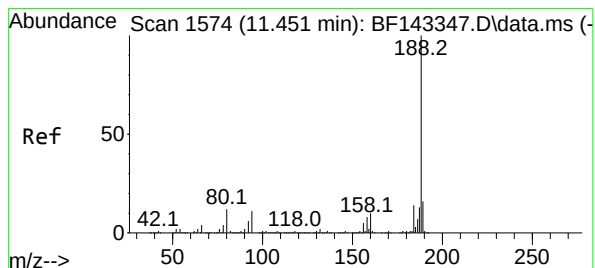
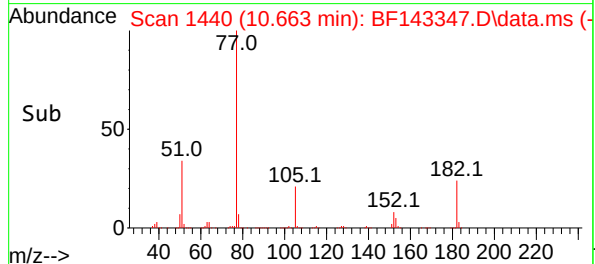
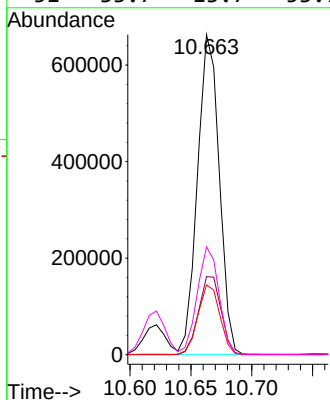
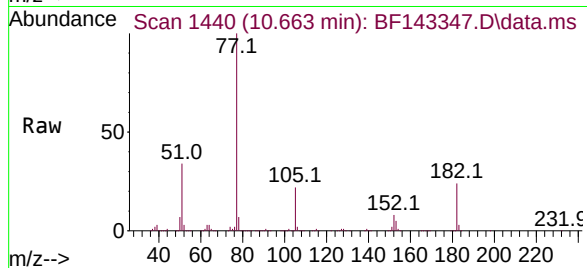




#63
Azobenzene
Concen: 39.906 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

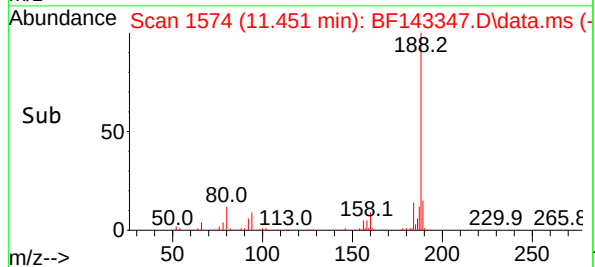
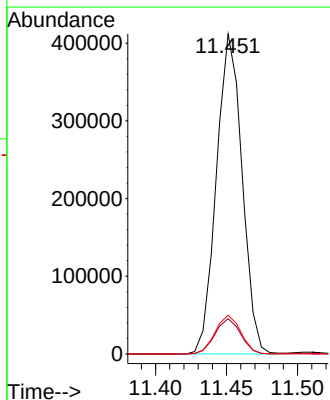
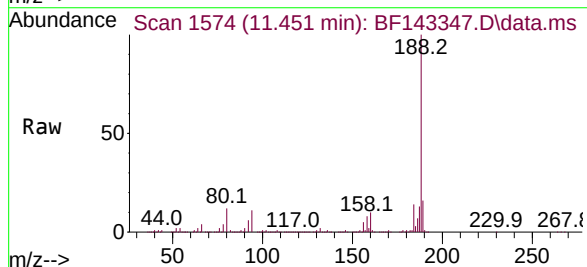
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

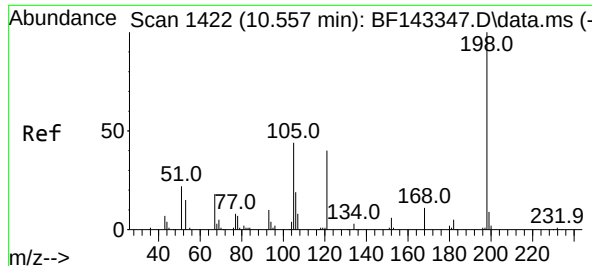
Tgt Ion: 77	Resp: 824319
Ion Ratio	Lower Upper
77 100	
182 24.4	4.4 44.4
105 21.8	1.8 41.8
51 33.7	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 188	Resp: 517467
Ion Ratio	Lower Upper
188 100	
94 11.0	8.8 13.2
80 12.1	9.7 14.5

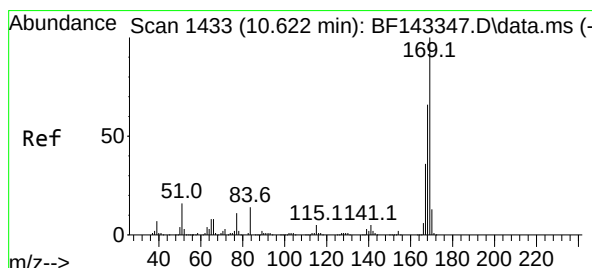
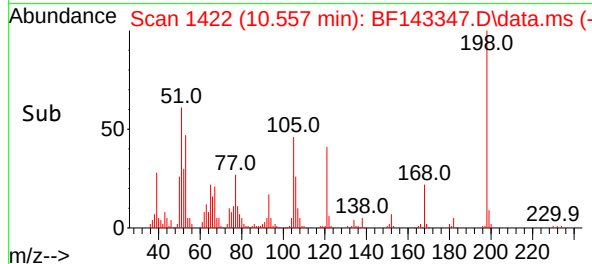
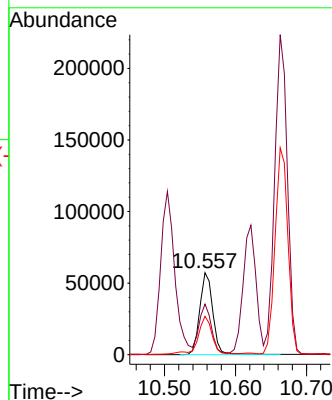
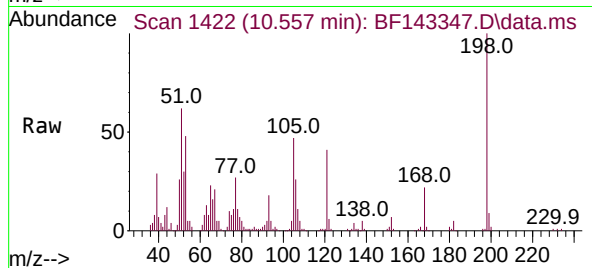




#65
4,6-Dinitro-2-methylphenol
Concen: 37.049 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

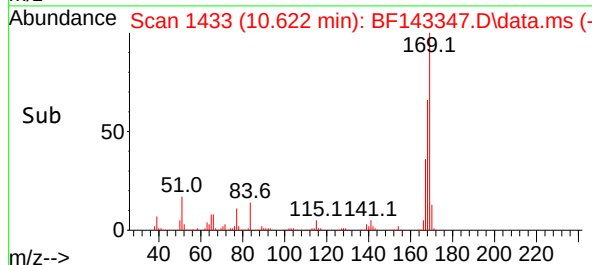
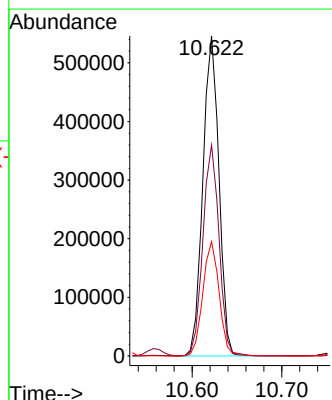
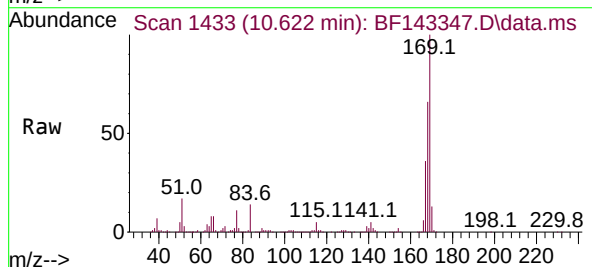
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

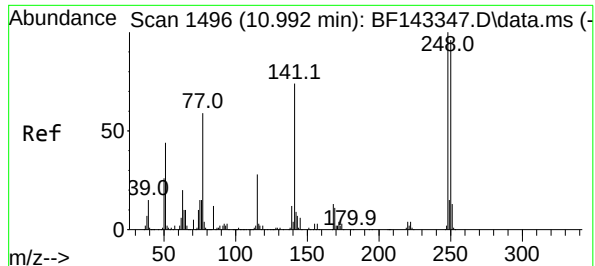
Tgt Ion:198 Resp: 73478
Ion Ratio Lower Upper
198 100
51 61.7 41.7 81.7
105 46.8 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 39.800 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:169 Resp: 678152
Ion Ratio Lower Upper
169 100
168 65.9 52.7 79.1
167 35.7 28.6 42.8

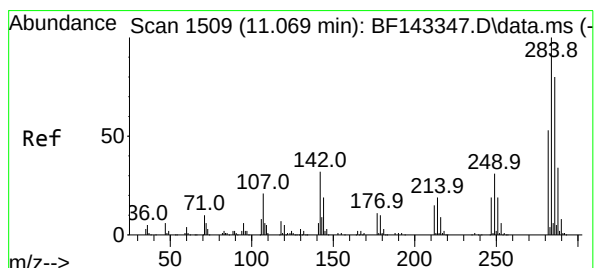
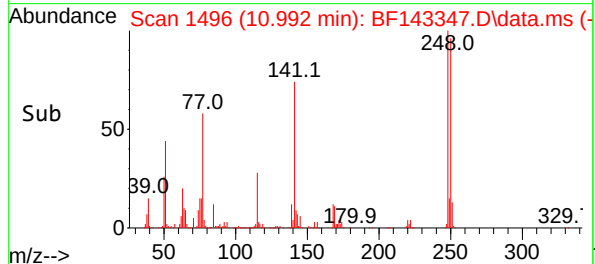
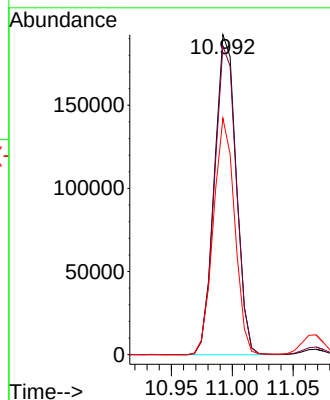
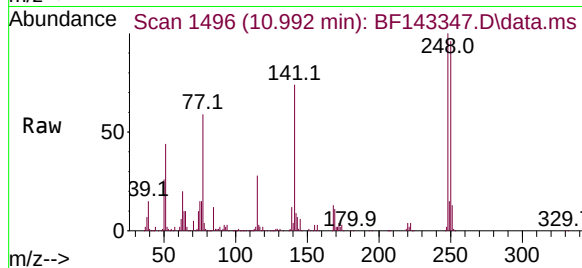




#67
4-Bromophenyl-phenylether
Concen: 40.461 ng
RT: 10.992 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

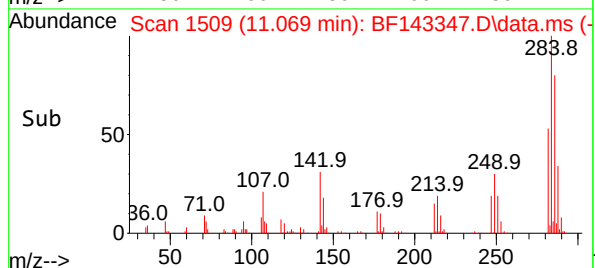
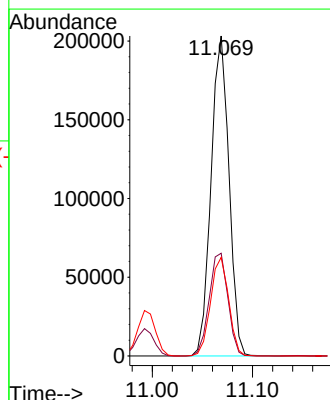
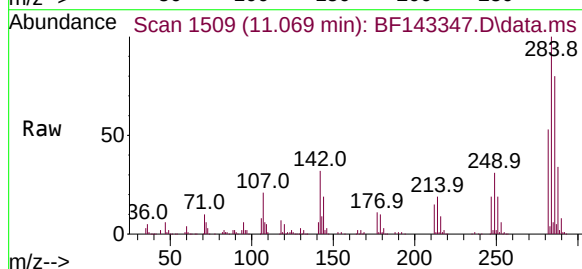
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

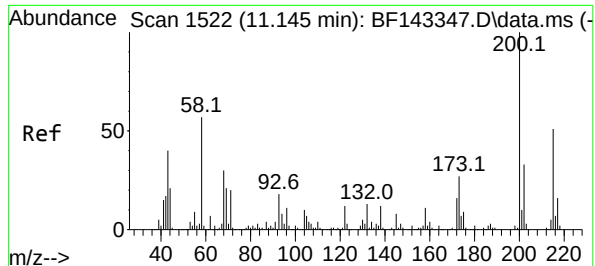
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.1	115.7
141	73.9	59.1	88.7



#68
Hexachlorobenzene
Concen: 39.589 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.7	38.5
249	30.8	24.6	37.0





#69

Atrazine

Concen: 41.534 ng

RT: 11.145 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

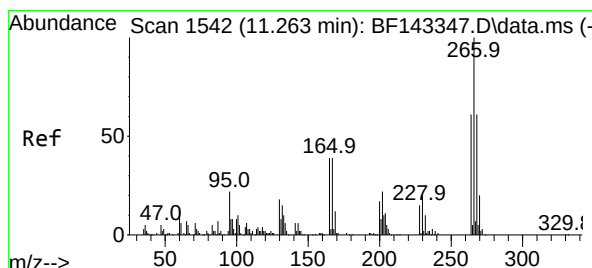
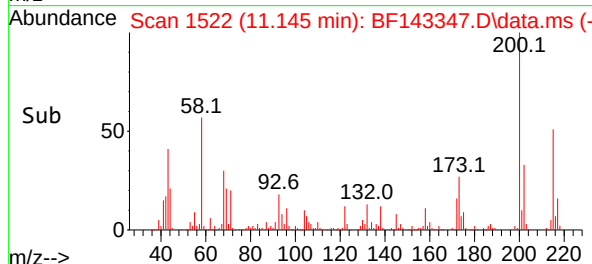
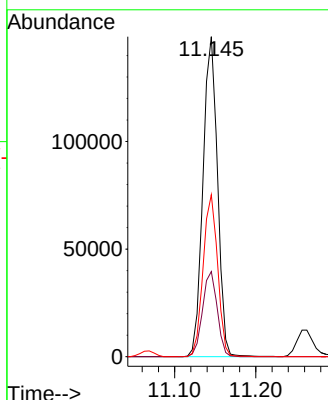
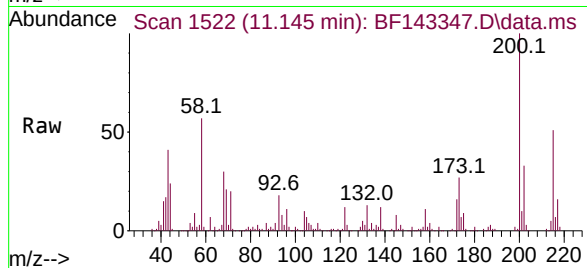
Tgt Ion:200 Resp: 184584

Ion Ratio Lower Upper

200 100

173 26.6 6.6 46.6

215 50.6 30.6 70.6



#70

Pentachlorophenol

Concen: 39.119 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

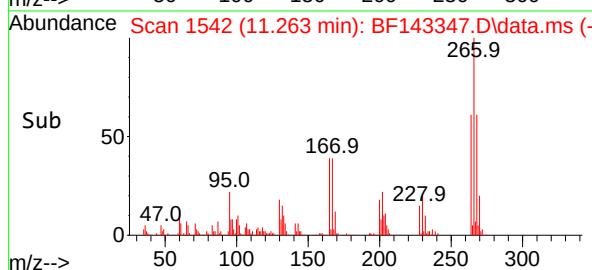
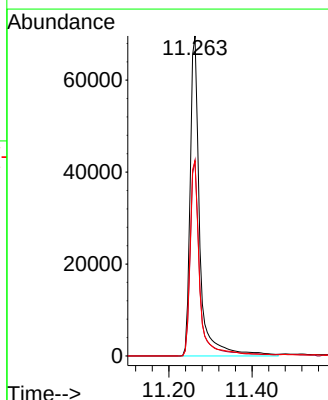
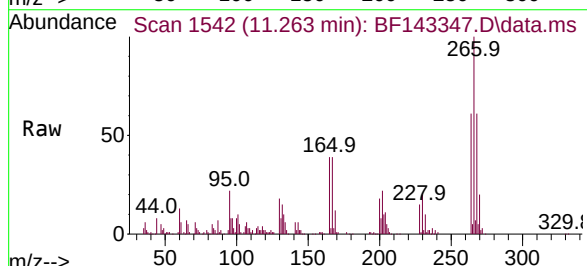
Tgt Ion:266 Resp: 111946

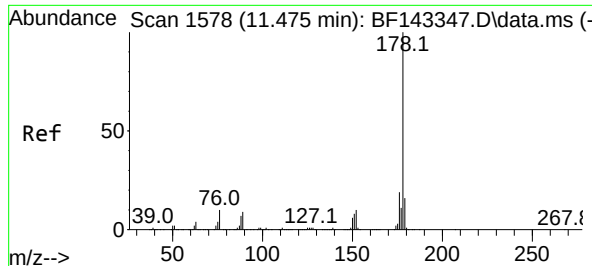
Ion Ratio Lower Upper

266 100

268 61.0 48.8 73.2

264 61.0 48.8 73.2

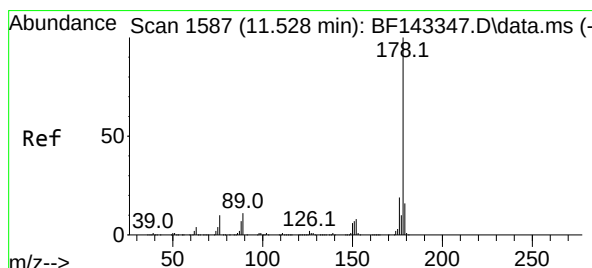
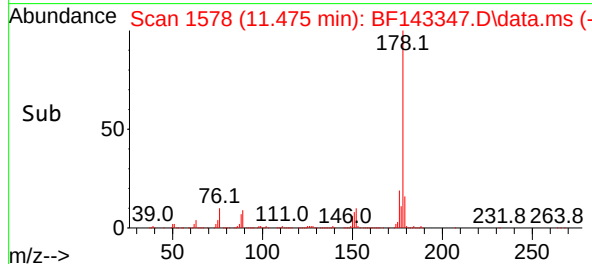
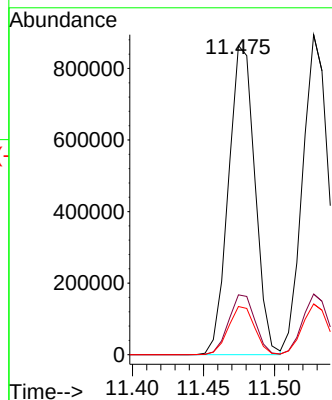
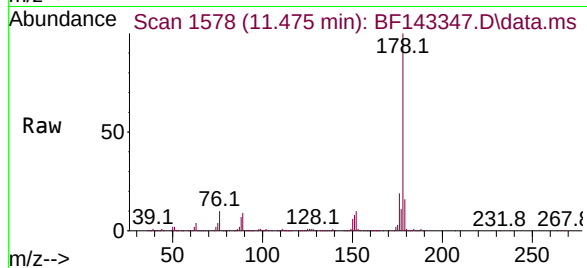




#71
Phenanthrene
Concen: 39.627 ng
RT: 11.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

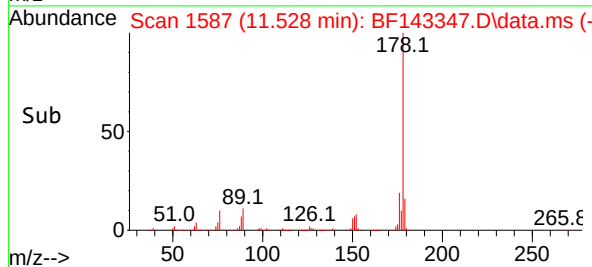
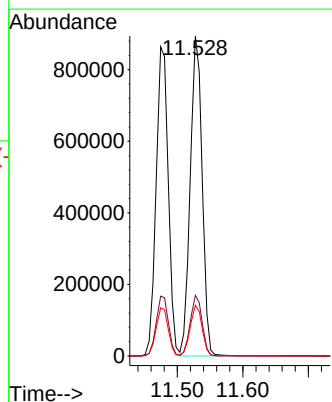
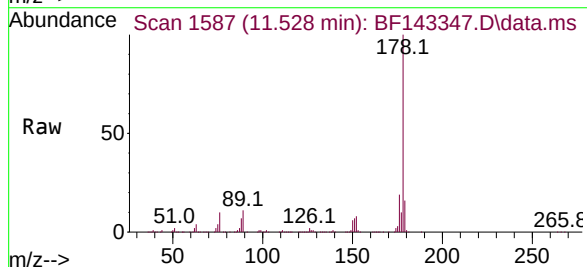
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

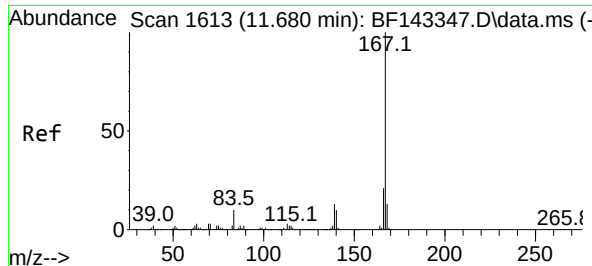
Tgt Ion:178 Resp: 1118795
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.5 18.7



#72
Anthracene
Concen: 39.327 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:178 Resp: 1126030
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.9 12.7 19.1

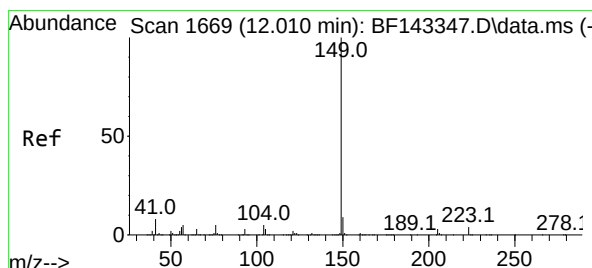
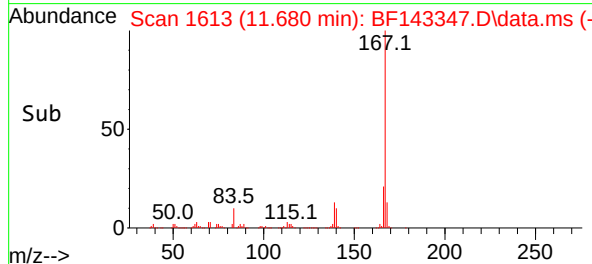
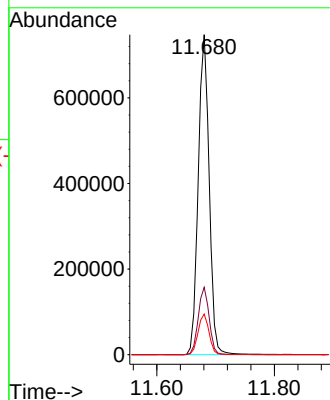
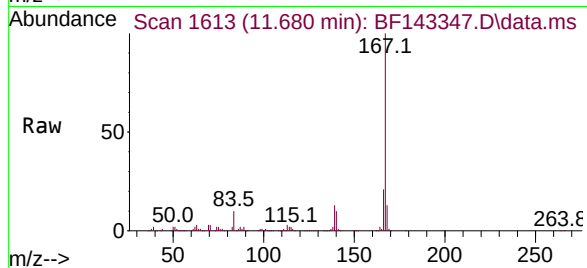




#73
Carbazole
Concen: 39.637 ng
RT: 11.680 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

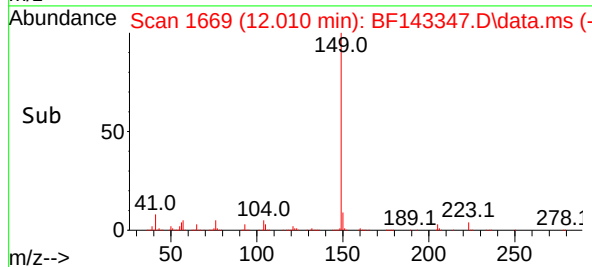
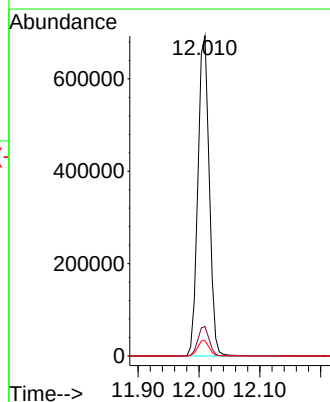
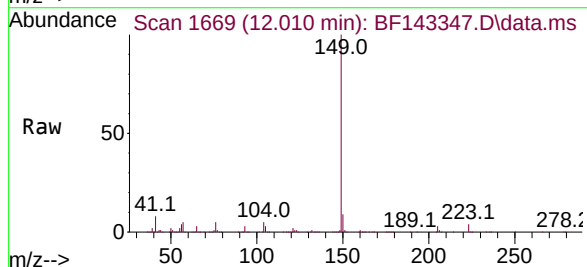
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

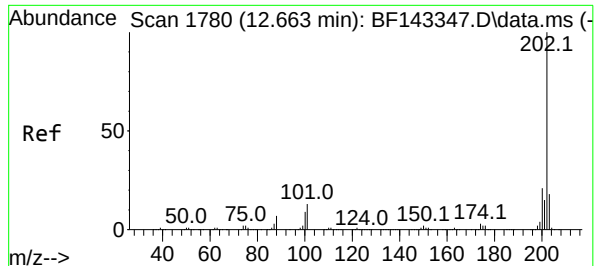
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.8	25.2
139	12.7	10.2	15.2



#74
Di-n-butylphthalate
Concen: 43.346 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.8	3.8	5.8

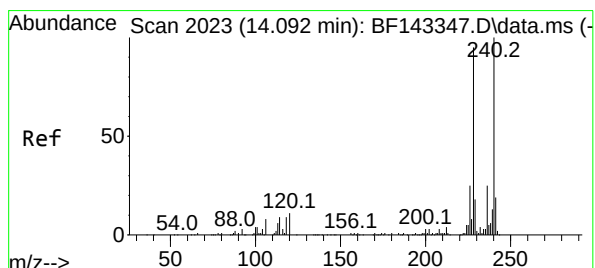
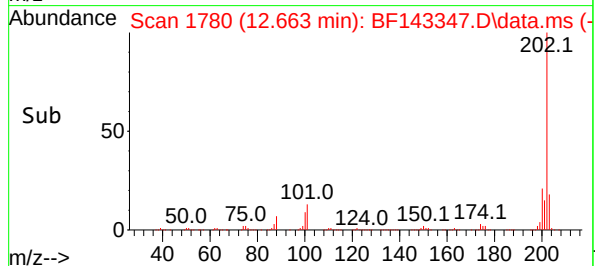
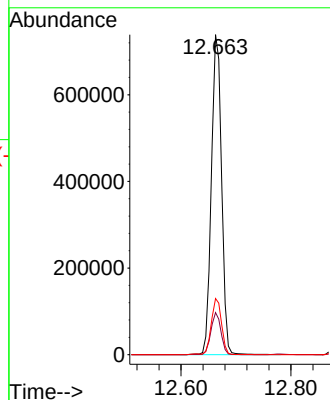
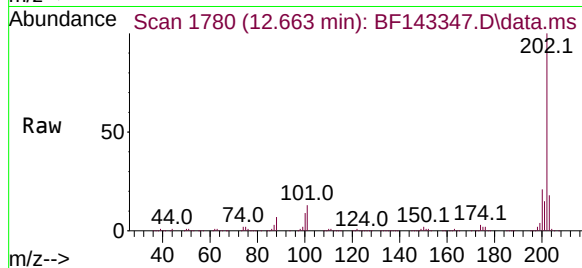




#75
Fluoranthene
Concen: 38.386 ng
RT: 12.663 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

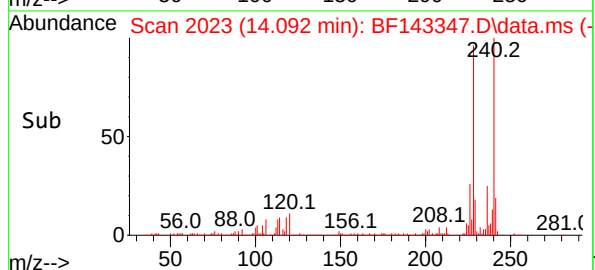
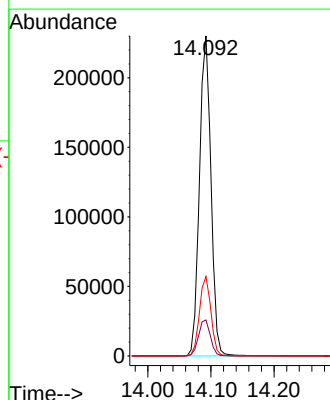
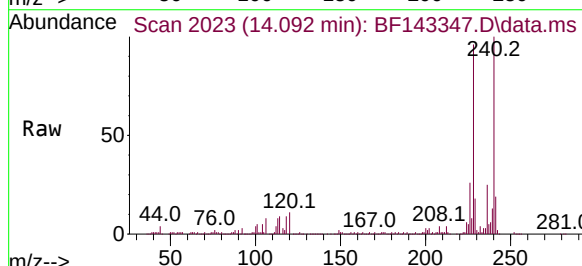
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

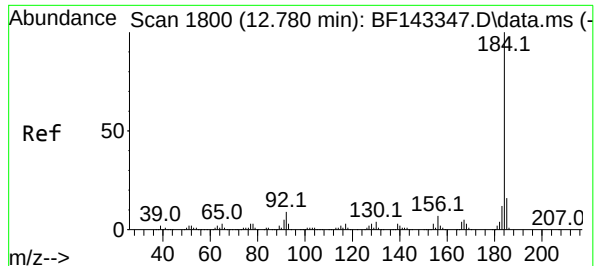
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.6	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

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





#77

Benzidine

Concen: 43.261 ng

RT: 12.780 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

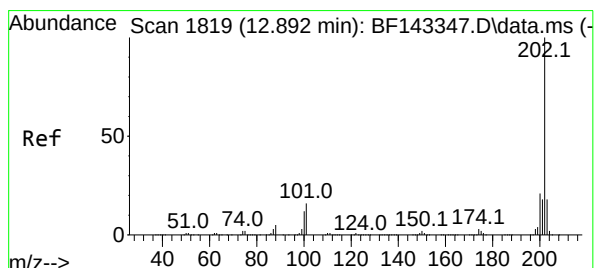
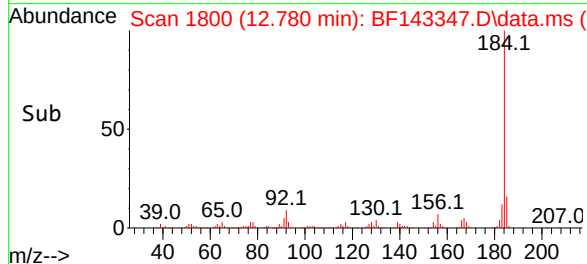
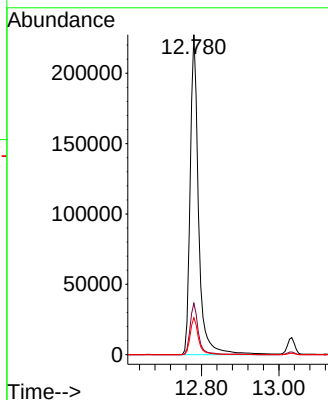
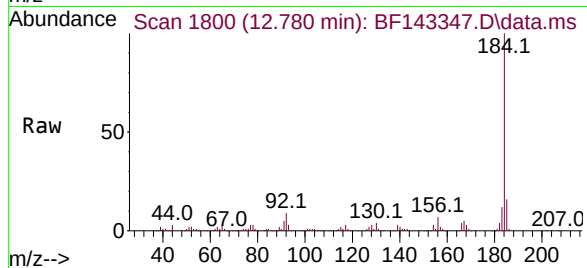
Tgt Ion:184 Resp: 343155

Ion Ratio Lower Upper

184 100

185 16.0 12.8 19.2

183 11.6 9.3 13.9



#78

Pyrene

Concen: 39.593 ng

RT: 12.892 min Scan# 1819

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

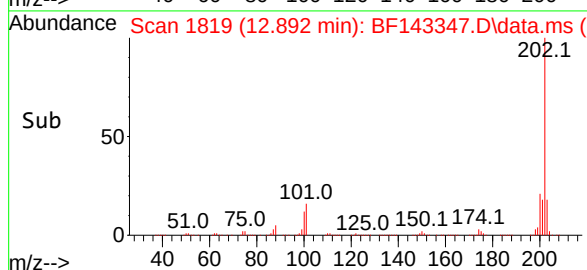
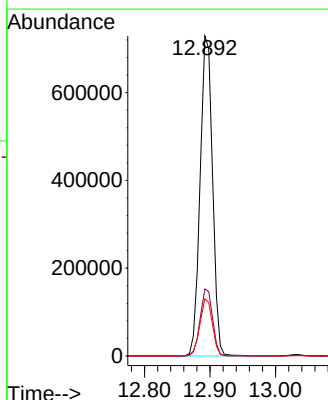
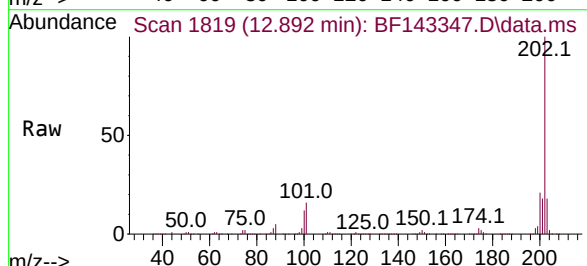
Tgt Ion:202 Resp: 963681

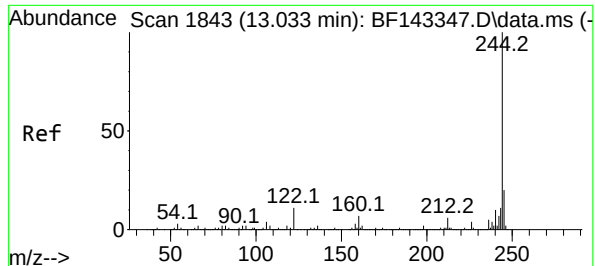
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 77.745 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

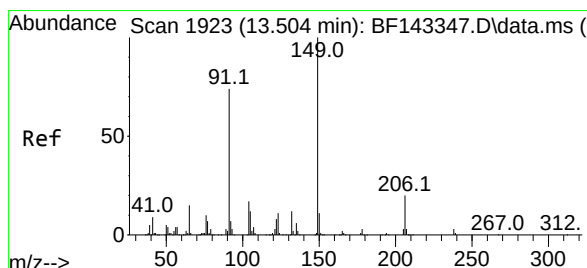
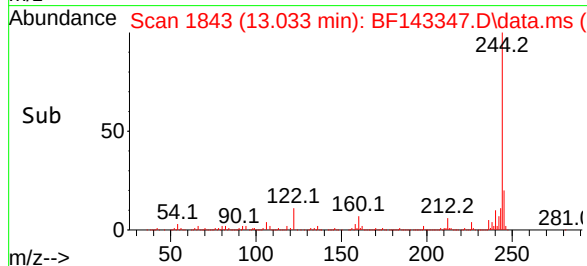
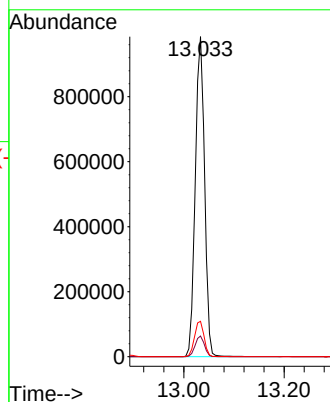
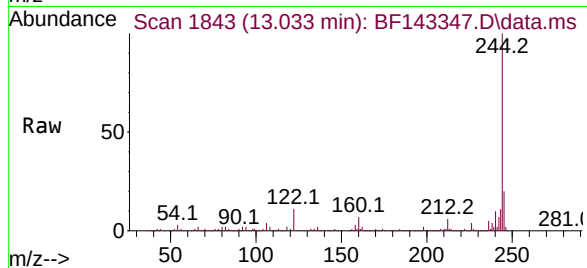
Tgt Ion:244 Resp: 1263446

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 11.1 8.9 13.3



#80

Butylbenzylphthalate

Concen: 37.368 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

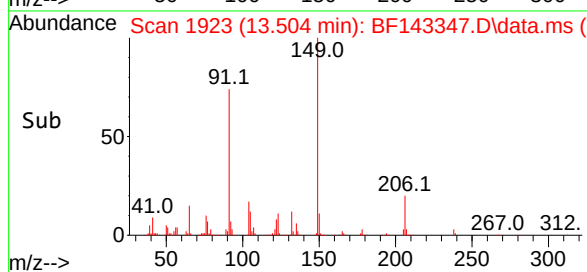
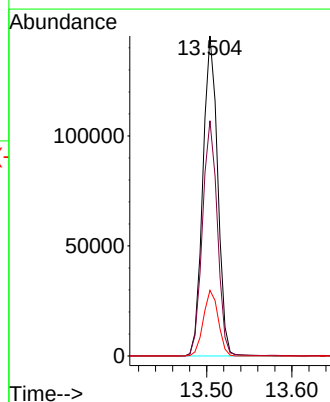
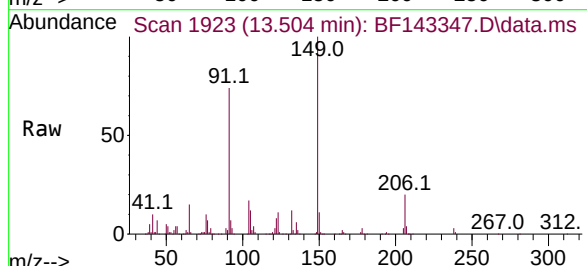
Tgt Ion:149 Resp: 175897

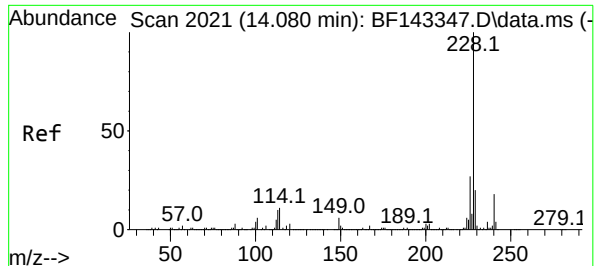
Ion Ratio Lower Upper

149 100

91 73.5 58.8 88.2

206 20.5 16.4 24.6





#81

Benzo(a)anthracene

Concen: 39.595 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

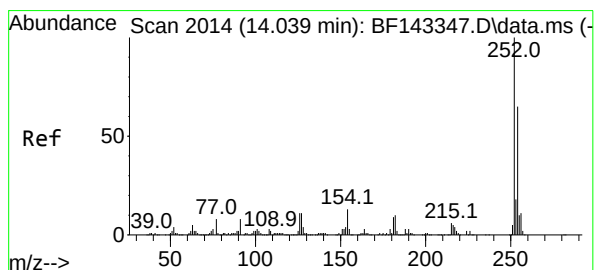
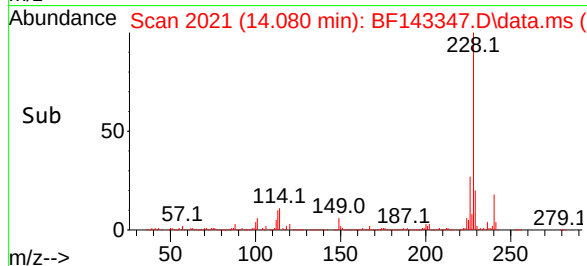
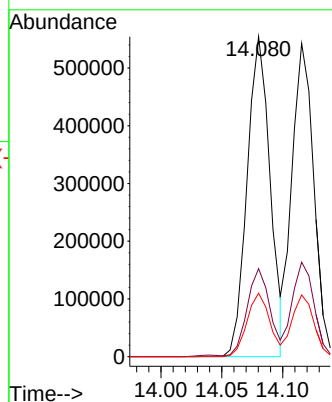
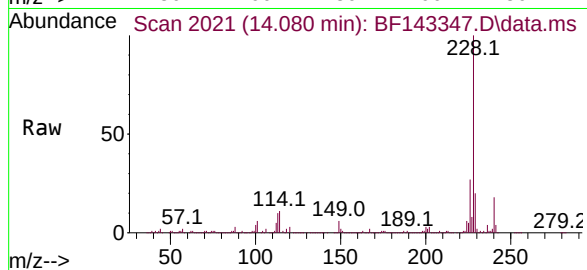
Tgt Ion:228 Resp: 730158

Ion Ratio Lower Upper

228 100

226 27.5 22.0 33.0

229 19.8 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 42.421 ng

RT: 14.039 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

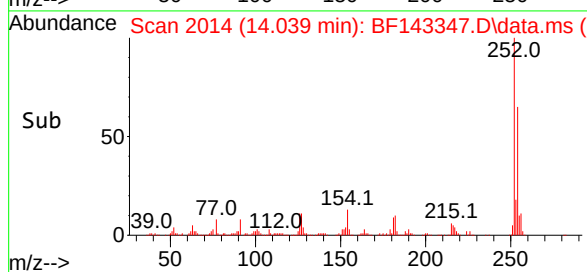
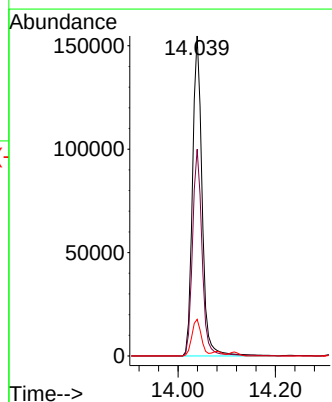
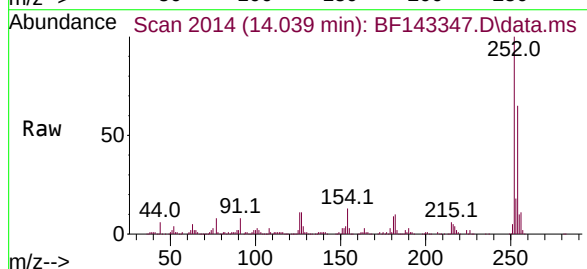
Tgt Ion:252 Resp: 211236

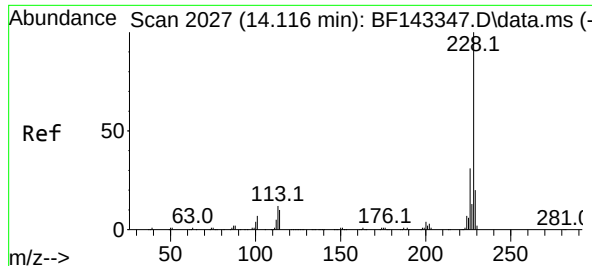
Ion Ratio Lower Upper

252 100

254 64.6 51.7 77.5

126 11.5 9.2 13.8





#83

Chrysene

Concen: 39.653 ng

RT: 14.116 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

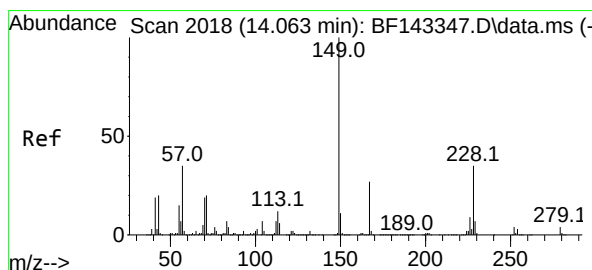
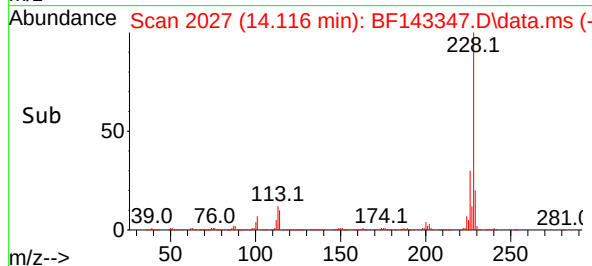
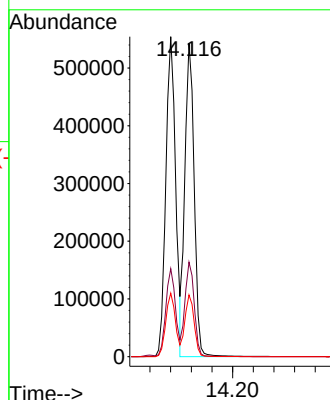
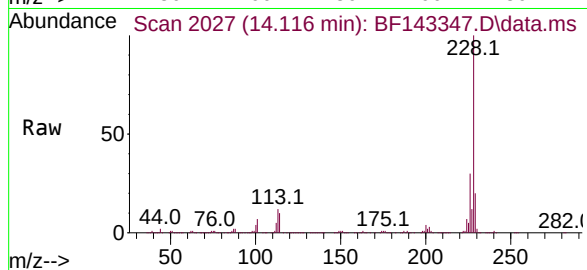
Tgt Ion:228 Resp: 681835

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 19.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.186 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

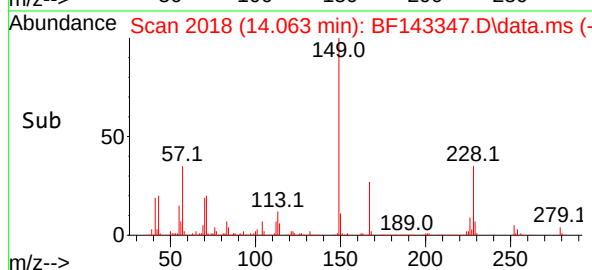
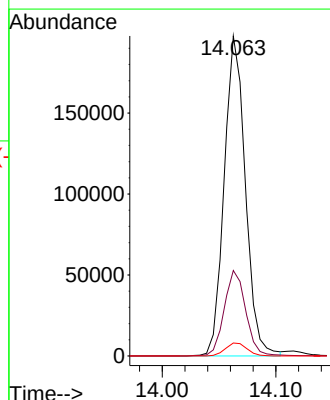
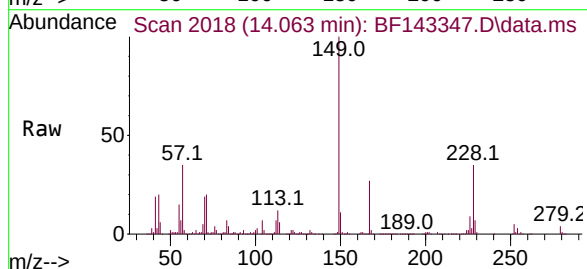
Tgt Ion:149 Resp: 256146

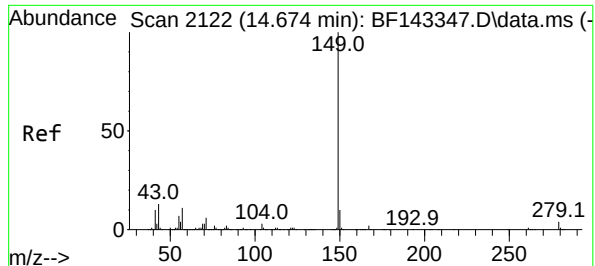
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.0 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 38.008 ng

RT: 14.674 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

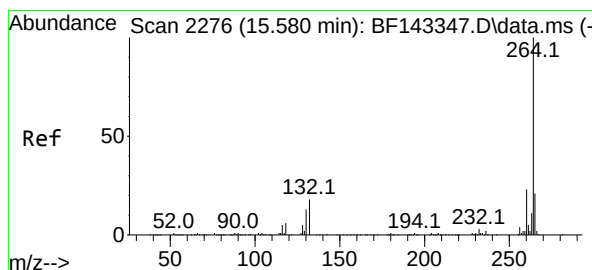
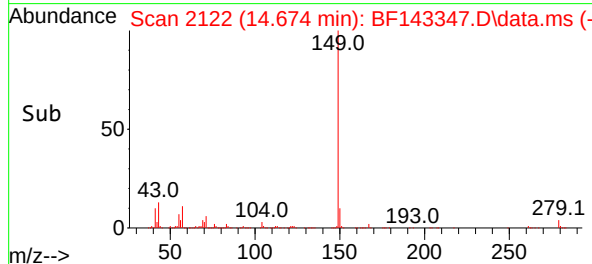
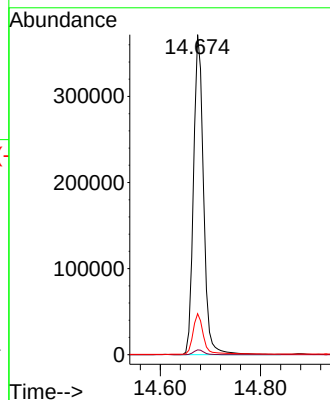
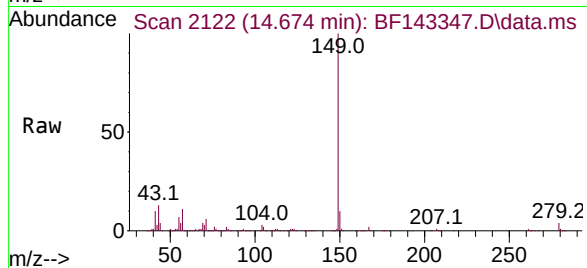
Tgt Ion:149 Resp: 515170

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 13.5 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2276

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

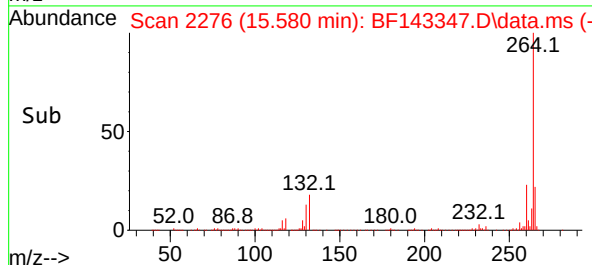
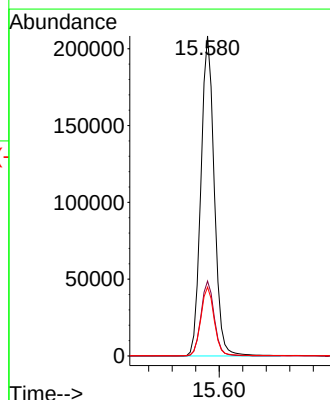
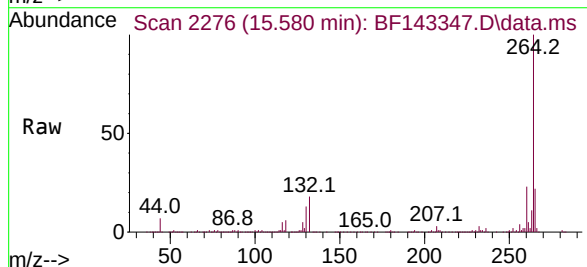
Tgt Ion:264 Resp: 328158

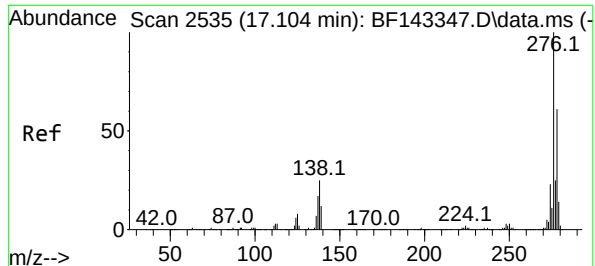
Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.445 ng

RT: 17.104 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

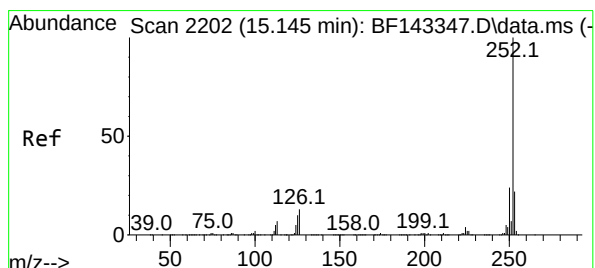
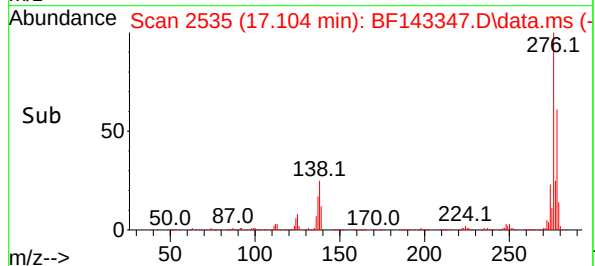
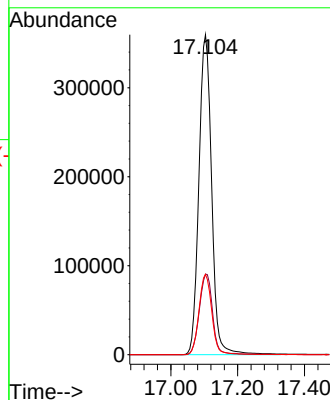
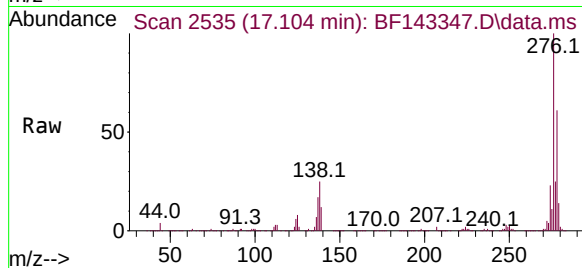
Tgt Ion:276 Resp: 950872

Ion Ratio Lower Upper

276 100

138 26.4 21.1 31.7

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 40.879 ng

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

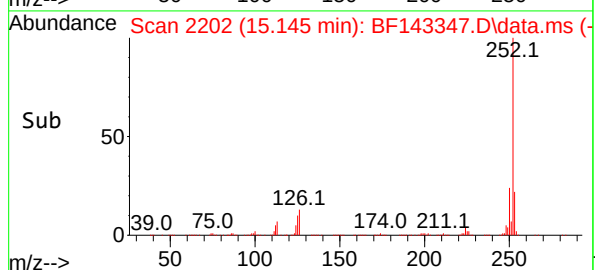
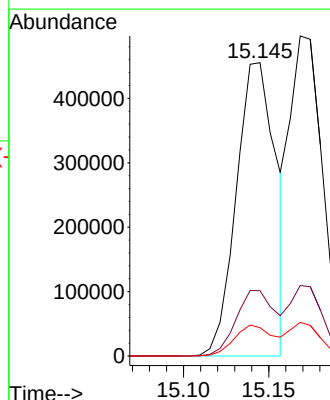
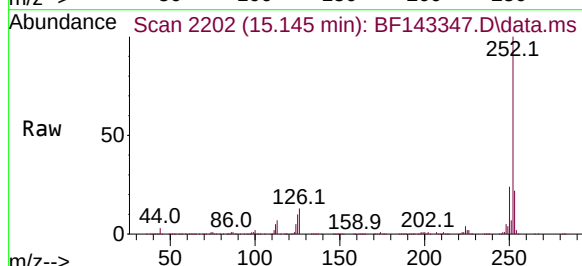
Tgt Ion:252 Resp: 733725

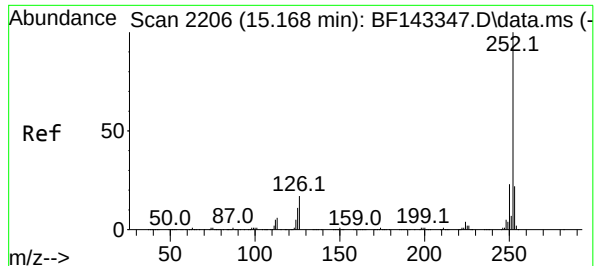
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 9.7 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 38.970 ng

RT: 15.168 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

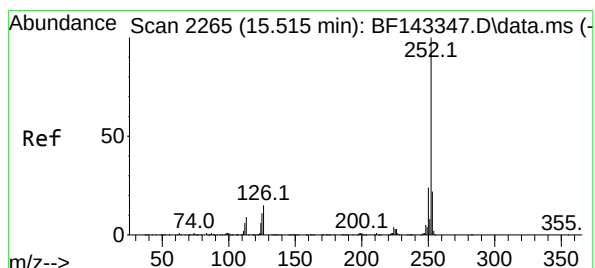
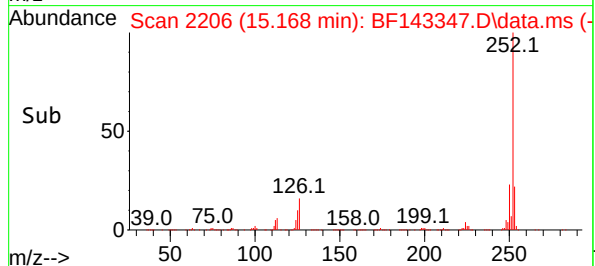
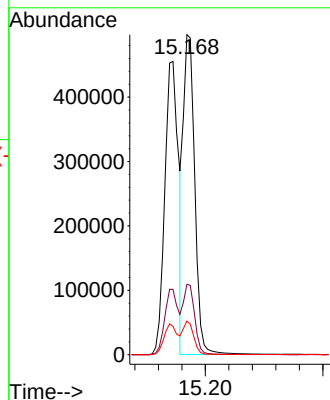
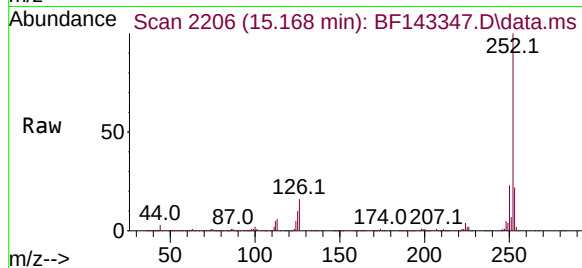
Tgt Ion:252 Resp: 679660

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 40.124 ng

RT: 15.515 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

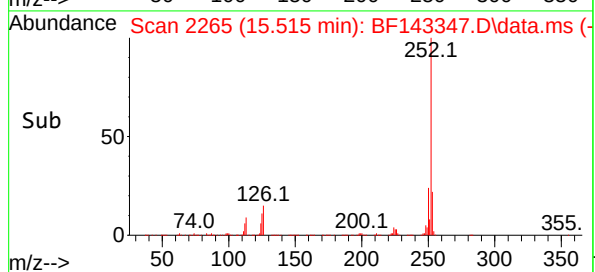
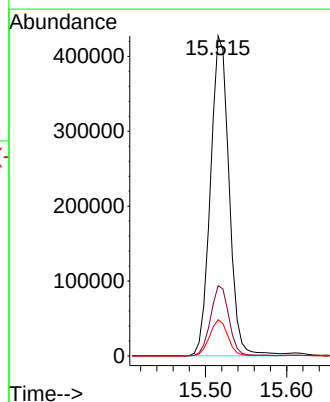
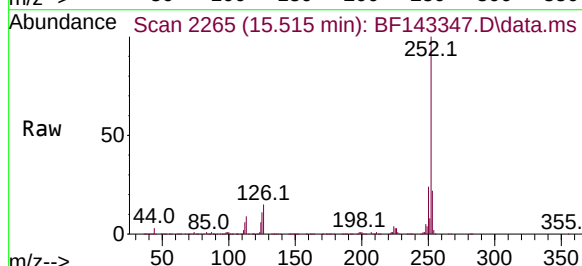
Tgt Ion:252 Resp: 678288

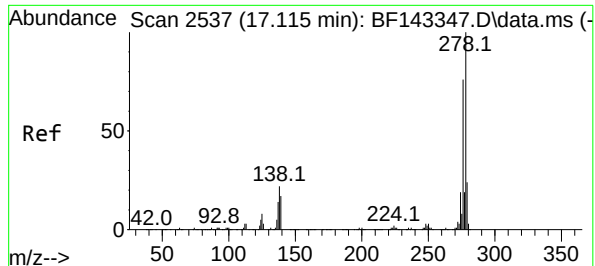
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 11.4 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 40.870 ng

RT: 17.115 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

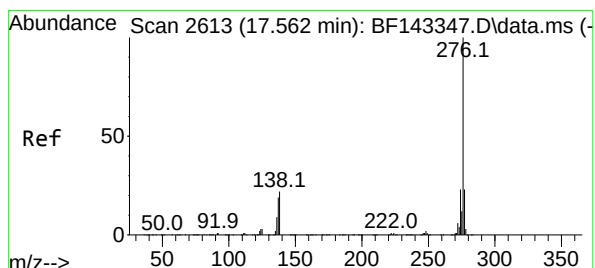
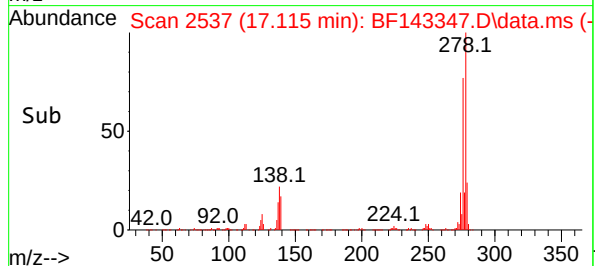
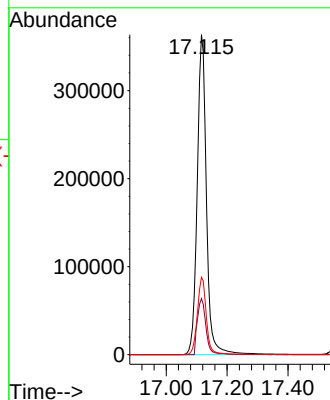
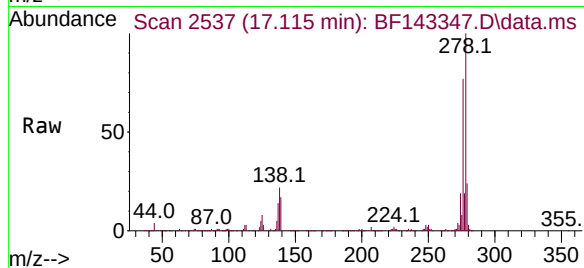
Tgt Ion:278 Resp: 767630

Ion Ratio Lower Upper

278 100

139 17.5 14.0 21.0

279 24.2 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 40.549 ng

RT: 17.562 min Scan# 2613

Delta R.T. 0.000 min

Lab File: BF143347.D

Acq: 12 Aug 2025 11:06

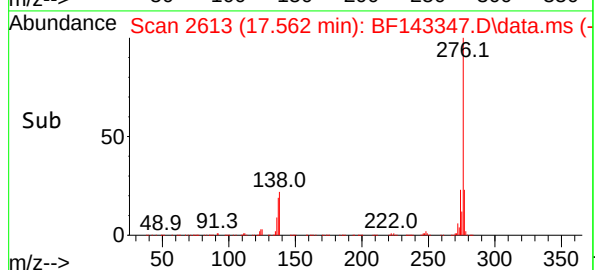
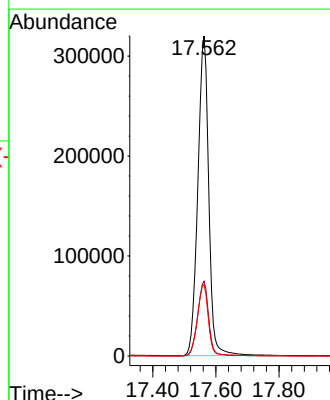
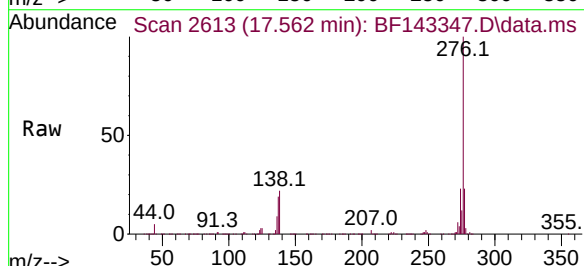
Tgt Ion:276 Resp: 767224

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 22.3 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143348.D
 Acq On : 12 Aug 2025 11:37
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Aug 12 13:19:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	164745	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	635446	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	333763	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	492512	20.000	ng	0.00
76) Chrysene-d12	14.092	240	286106	20.000	ng	0.00
86) Perylene-d12	15.580	264	342458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	941847	98.862	ng	0.00
7) Phenol-d6	6.563	99	1192312	97.594	ng	0.00
23) Nitrobenzene-d5	7.493	82	1041552	102.072	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	266796	109.378	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1769302	89.893	ng	0.00
79) Terphenyl-d14	13.033	244	1395642	87.090	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.763	88	243901	49.475	ng	100
3) Pyridine	3.534	79	668266	50.870	ng	99
4) n-Nitrosodimethylamine	3.475	42	313754	51.272	ng	99
6) Aniline	6.593	93	835697	48.521	ng	97
8) 2-Chlorophenol	6.722	128	510568	50.155	ng	97
9) Benzaldehyde	6.481	77	360210	44.609	ng	99
10) Phenol	6.581	94	708845	48.977	ng	86
11) bis(2-Chloroethyl)ether	6.663	93	515652	48.342	ng	99
12) 1,3-Dichlorobenzene	6.875	146	561710	47.838	ng	99
13) 1,4-Dichlorobenzene	6.951	146	564115	47.868	ng	99
14) 1,2-Dichlorobenzene	7.104	146	533226	47.666	ng	99
15) Benzyl Alcohol	7.069	79	439125	50.143	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	911815	47.882	ng	97
17) 2-Methylphenol	7.181	107	426865	49.676	ng	99
18) Hexachloroethane	7.445	117	185051	50.086	ng	99
19) n-Nitroso-di-n-propyla...	7.340	70	355609	47.107	ng	99
20) 3+4-Methylphenols	7.334	107	505153	48.609	ng	95
22) Acetophenone	7.340	105	642443	45.886	ng	97
24) Nitrobenzene	7.510	77	558404	50.388	ng	99
25) Isophorone	7.751	82	995651	47.796	ng	99
26) 2-Nitrophenol	7.828	139	213083	47.982	ng	99
27) 2,4-Dimethylphenol	7.863	122	436419	50.217	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	608760	47.865	ng	100
29) 2,4-Dichlorophenol	8.069	162	428530	50.485	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	427946	47.795	ng	99
31) Naphthalene	8.234	128	1431280	46.809	ng	100
32) Benzoic acid	7.981	122	191072	49.943	ng	95
33) 4-Chloroaniline	8.281	127	531257	48.171	ng	100
34) Hexachlorobutadiene	8.357	225	264501	47.488	ng	100
35) Caprolactam	8.651	113	123969	51.952	ng	96
36) 4-Chloro-3-methylphenol	8.763	107	442622	49.741	ng	98
37) 2-Methylnaphthalene	8.928	142	938982	46.712	ng	99
38) 1-Methylnaphthalene	9.028	142	902313	46.606	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	437268	47.877	ng	99
41) Hexachlorocyclopentadiene	9.081	237	143487	47.474	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	273471	52.773	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143348.D
Acq On : 12 Aug 2025 11:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 12 13:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

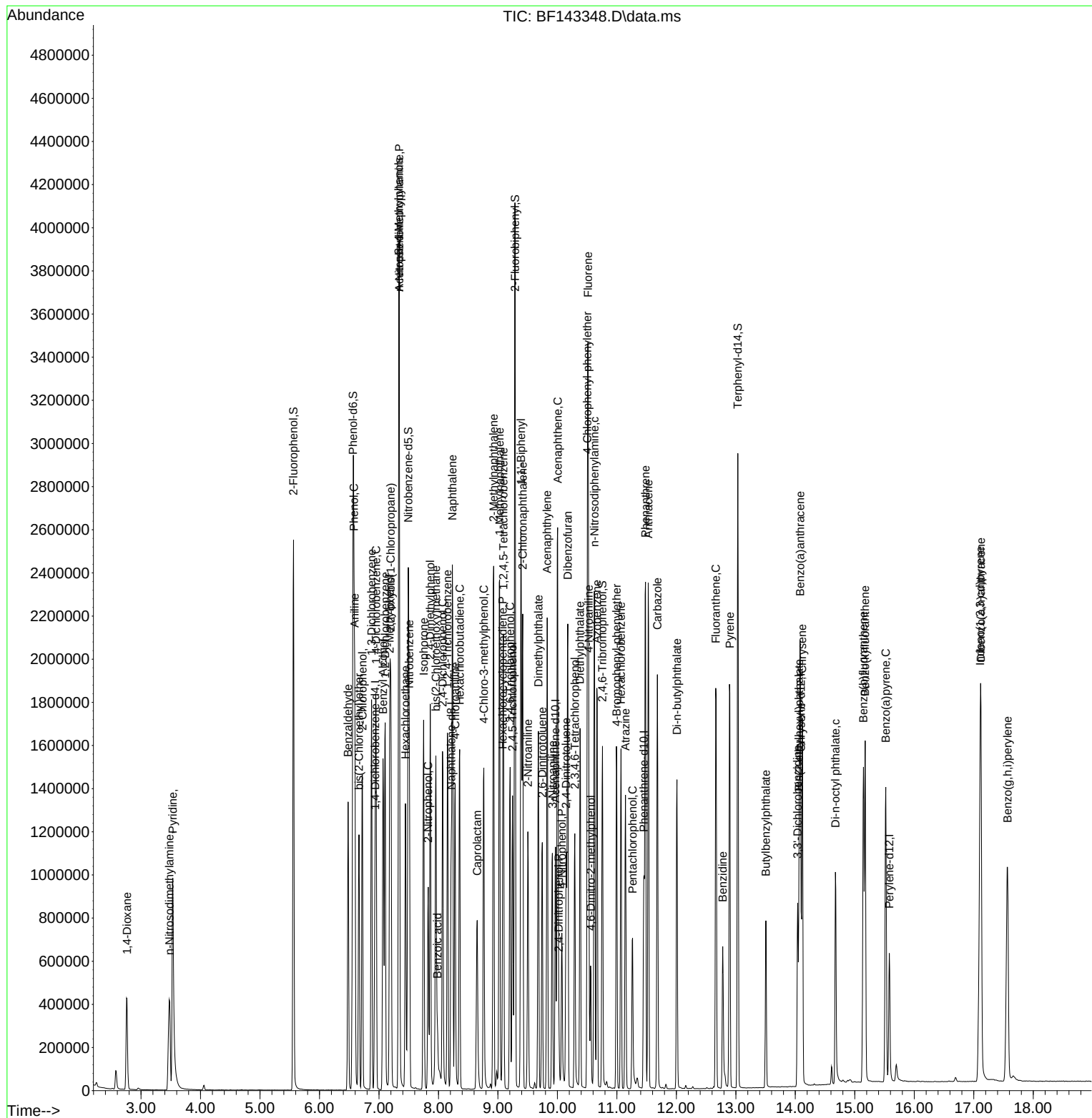
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	303993	51.948	ng	99
46) 1,1'-Biphenyl	9.387	154	1098727	46.558	ng	99
47) 2-Chloronaphthalene	9.416	162	872497	46.944	ng	100
48) 2-Nitroaniline	9.504	65	267630	49.816	ng	99
49) Acenaphthylene	9.828	152	1272878	47.424	ng	100
50) Dimethylphthalate	9.681	163	954560	48.946	ng	100
51) 2,6-Dinitrotoluene	9.745	165	182648	49.400	ng	99
52) Acenaphthene	10.004	154	844612	47.334	ng	100
53) 3-Nitroaniline	9.916	138	220926	55.316	ng	99
54) 2,4-Dinitrophenol	10.022	184	61169	49.460	ng	91
55) Dibenzofuran	10.175	168	1199947	46.725	ng	100
56) 4-Nitrophenol	10.075	139	150114	49.286	ng	99
57) 2,4-Dinitrotoluene	10.145	165	246635	50.215	ng	99
58) Fluorene	10.516	166	910380	46.411	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	215158	54.543	ng	100
60) Diethylphthalate	10.381	149	865395	49.540	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	444383	46.885	ng	99
62) 4-Nitroaniline	10.528	138	207188	53.618	ng	99
63) Azobenzene	10.663	77	957306	47.978	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	95307	47.856	ng	94
66) n-Nitrosodiphenylamine	10.622	169	787342	48.549	ng	100
67) 4-Bromophenyl-phenylether	10.998	248	279724	49.660	ng	96
68) Hexachlorobenzene	11.069	284	291915	48.079	ng	99
69) Atrazine	11.145	200	221025	52.254	ng	98
70) Pentachlorophenol	11.263	266	139359	49.342	ng	98
71) Phenanthrene	11.480	178	1258386	46.830	ng	100
72) Anthracene	11.528	178	1284165	47.123	ng	100
73) Carbazole	11.680	167	1082772	46.654	ng	99
74) Di-n-butylphthalate	12.010	149	1008389	51.345	ng	99
75) Fluoranthene	12.663	202	1074315	45.641	ng	99
77) Benzidine	12.780	184	392548	50.186	ng	99
78) Pyrene	12.898	202	1081940	45.078	ng	99
80) Butylbenzylphthalate	13.504	149	229034	48.268	ng	99
81) Benzo(a)anthracene	14.080	228	878814	48.327	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	267204	54.417	ng	100
83) Chrysene	14.116	228	831682	49.049	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	341876	48.921	ng	98
85) Di-n-octyl phthalate	14.674	149	675816	48.572	ng	99
87) Indeno(1,2,3-cd)pyrene	17.110	276	1191556	48.566	ng	100
88) Benzo(b)fluoranthene	15.145	252	895570	47.812	ng	100
89) Benzo(k)fluoranthene	15.174	252	901937	49.555	ng	99
90) Benzo(a)pyrene	15.521	252	866161	49.098	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	957602	48.855	ng	99
92) Benzo(g,h,i)perylene	17.568	276	962236	48.732	ng	100

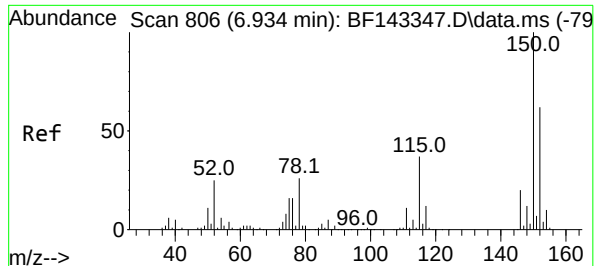
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143348.D
Acq On : 12 Aug 2025 11:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 12 13:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

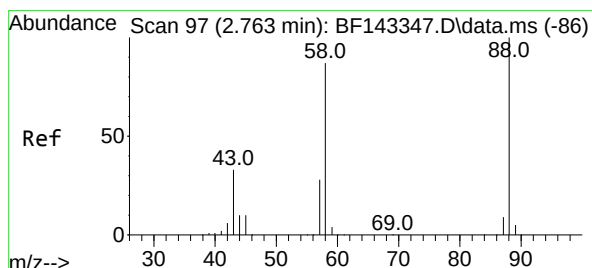
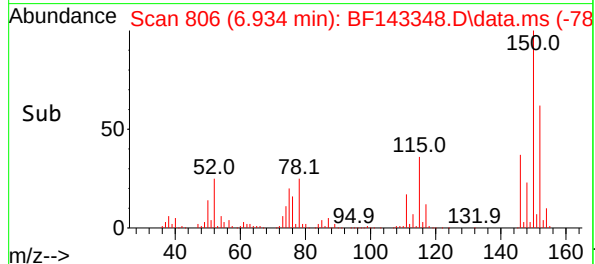
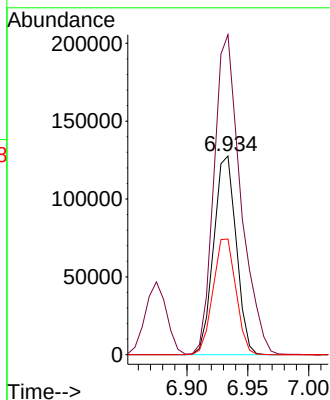
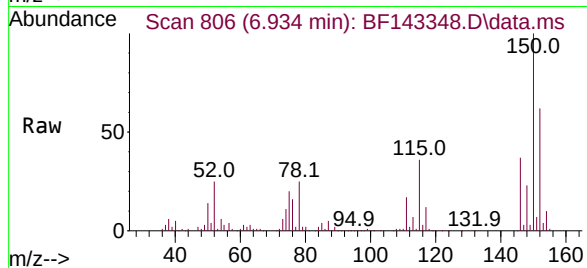




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

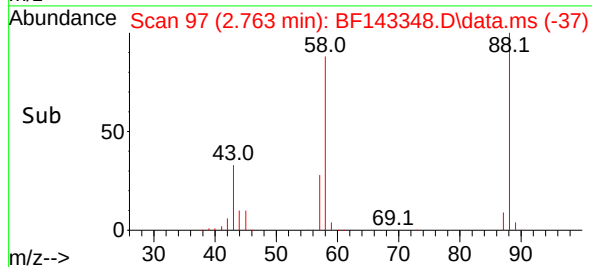
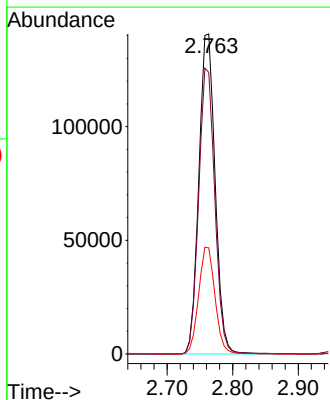
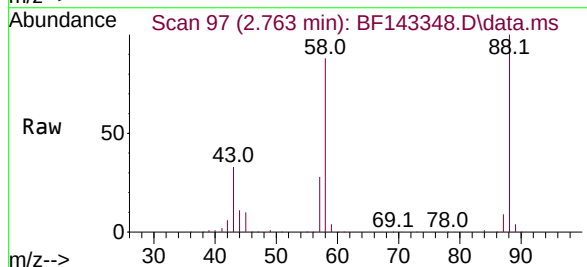
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

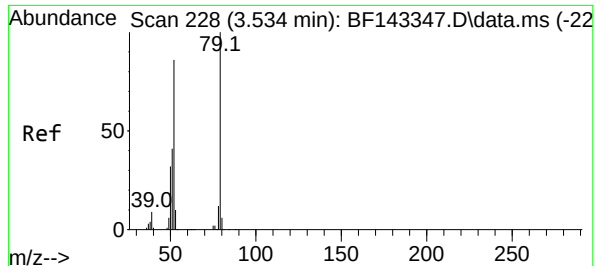
Tgt Ion:152 Resp: 164745
Ion Ratio Lower Upper
152 100
150 161.0 129.8 194.8
115 58.2 47.8 71.8



#2
1,4-Dioxane
Concen: 49.475 ng
RT: 2.763 min Scan# 97
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 88 Resp: 243901
Ion Ratio Lower Upper
88 100
58 88.3 71.0 106.6
43 33.6 27.0 40.6





#3

Pyridine

Concen: 50.870 ng

RT: 3.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

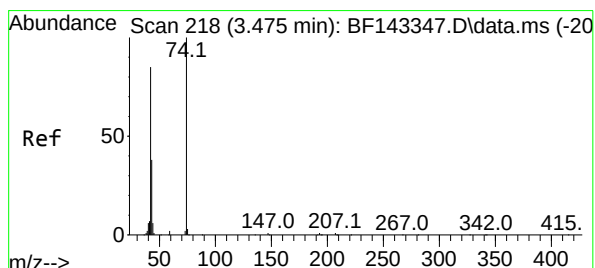
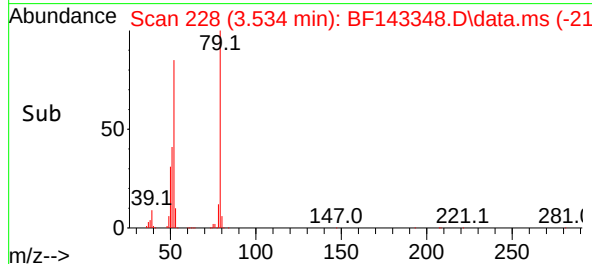
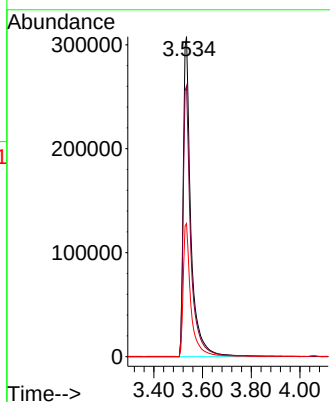
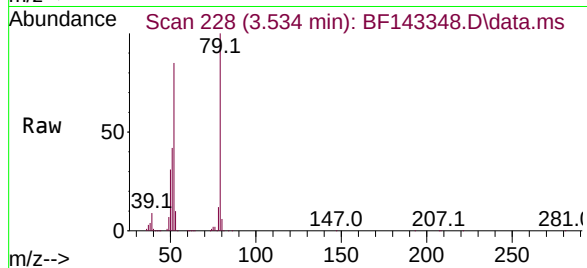
Tgt Ion: 79 Resp: 668266

Ion Ratio Lower Upper

79 100

52 84.5 68.7 103.1

51 41.6 33.4 50.0



#4

n-Nitrosodimethylamine

Concen: 51.272 ng

RT: 3.475 min Scan# 218

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

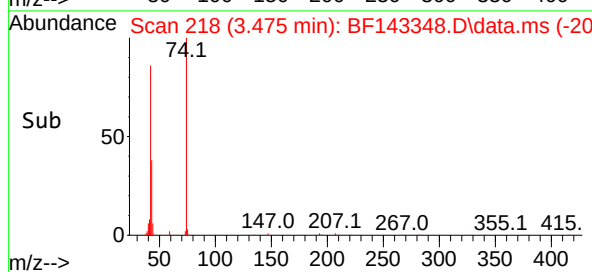
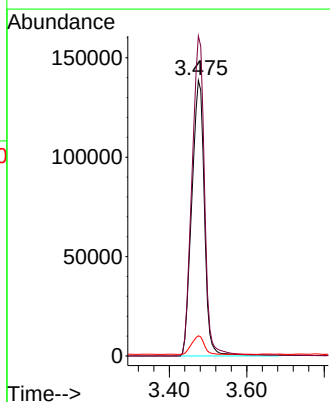
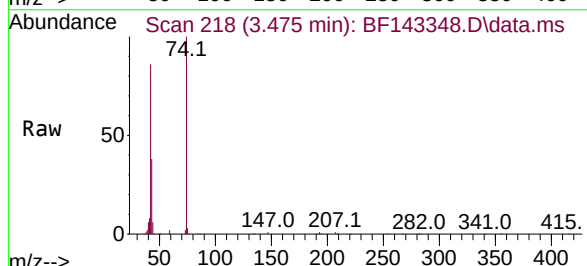
Tgt Ion: 42 Resp: 313754

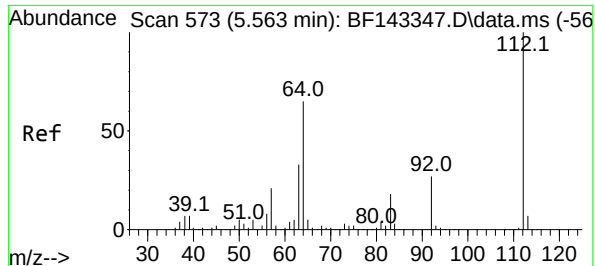
Ion Ratio Lower Upper

42 100

74 116.1 94.1 141.1

44 7.3 6.5 9.7





#5

2-Fluorophenol

Concen: 98.862 ng

RT: 5.563 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

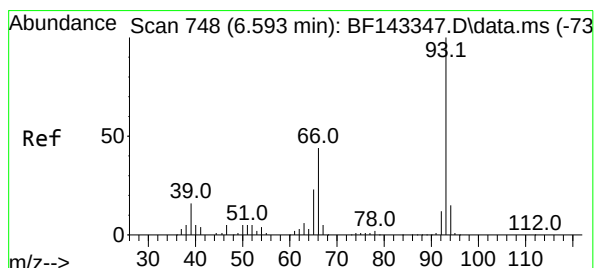
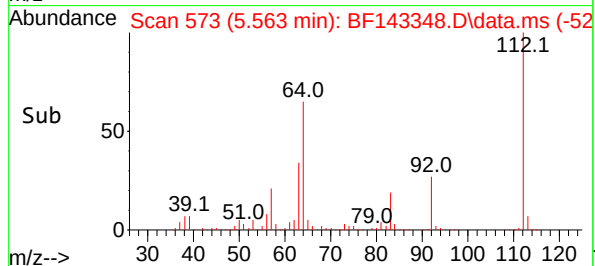
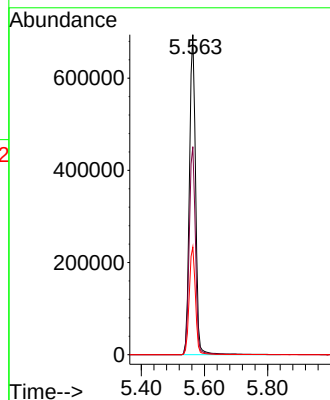
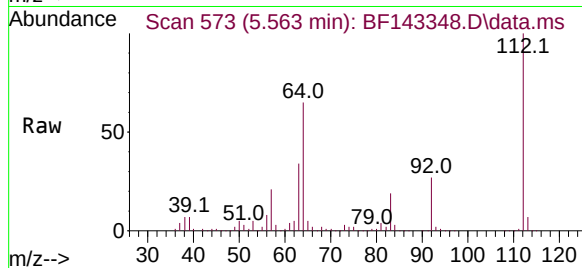
Tgt Ion:112 Resp: 941847

Ion Ratio Lower Upper

112 100

64 65.0 52.1 78.1

63 33.6 26.6 39.8



#6

Aniline

Concen: 48.521 ng

RT: 6.593 min Scan# 748

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

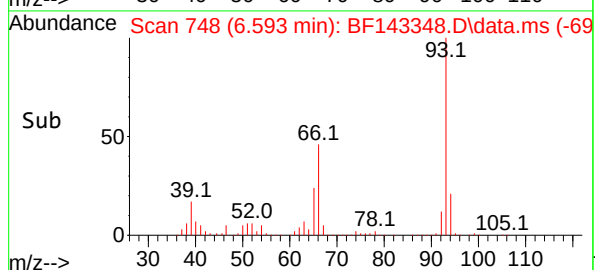
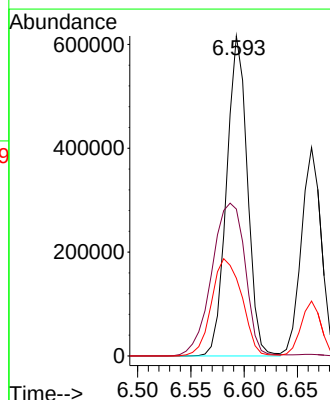
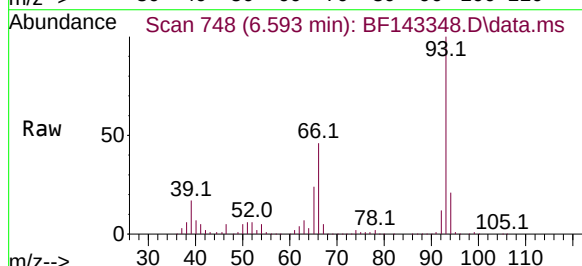
Tgt Ion: 93 Resp: 835697

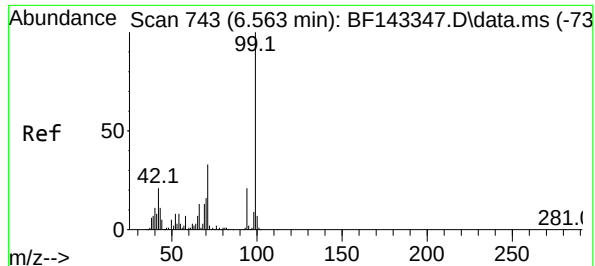
Ion Ratio Lower Upper

93 100

66 45.9 35.3 52.9

65 24.3 18.2 27.4

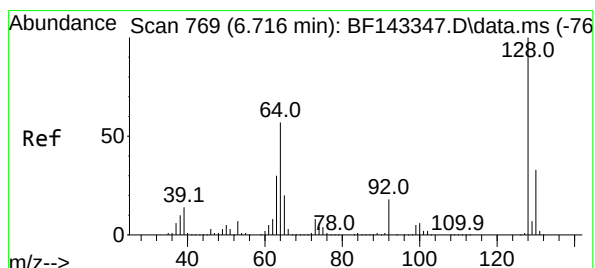
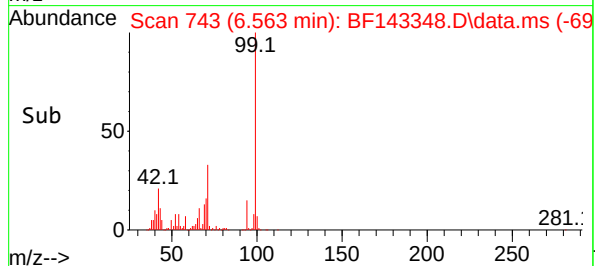
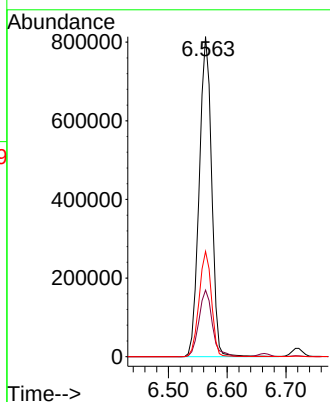
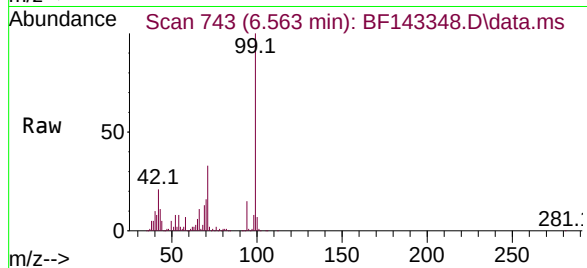




#7
Phenol-d6
Concen: 97.594 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

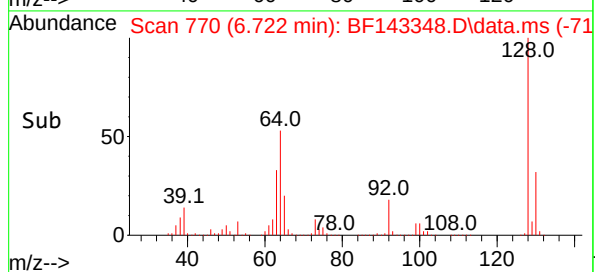
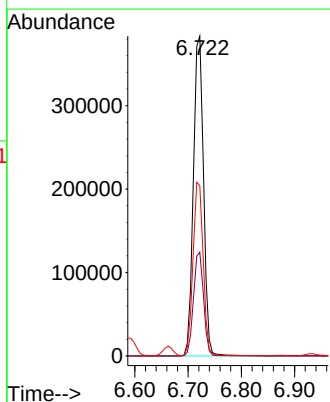
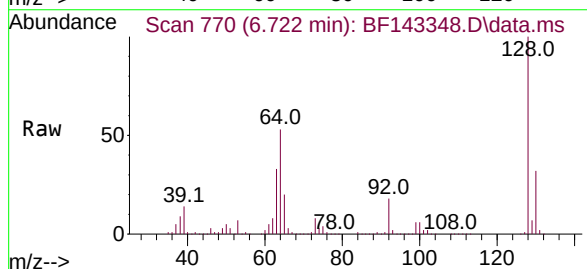
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

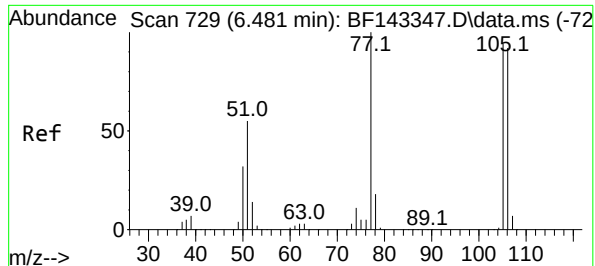
Tgt Ion: 99 Resp: 1192312
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 32.9 26.2 39.2



#8
2-Chlorophenol
Concen: 50.155 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 128 Resp: 510568
Ion Ratio Lower Upper
128 100
130 32.5 12.6 52.6
64 53.2 36.7 76.7





#9

Benzaldehyde

Concen: 44.609 ng

RT: 6.481 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

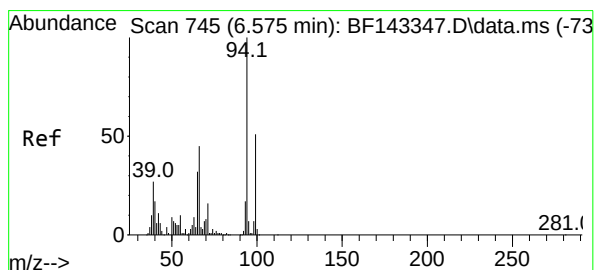
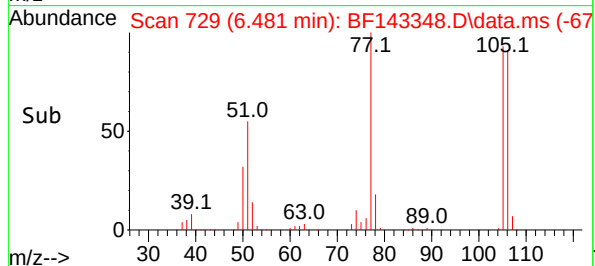
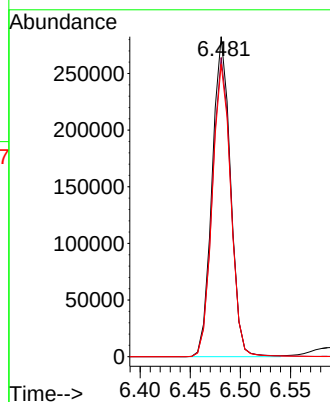
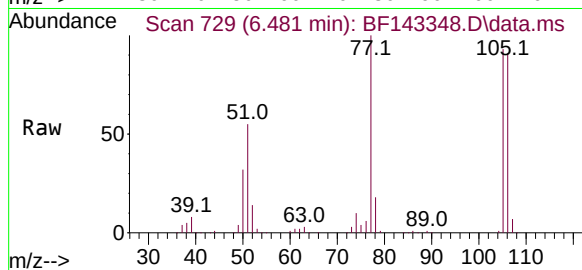
Tgt Ion: 77 Resp: 360210

Ion Ratio Lower Upper

77 100

105 93.5 74.2 114.2

106 91.4 72.2 112.2



#10

Phenol

Concen: 48.977 ng

RT: 6.581 min Scan# 746

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

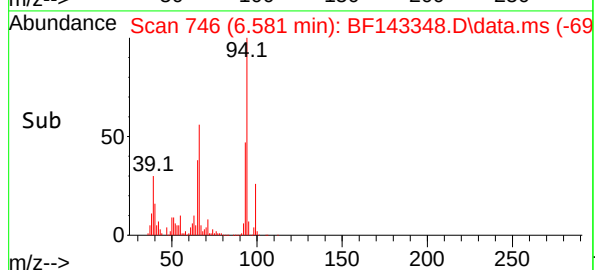
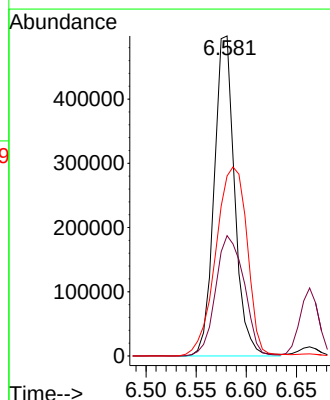
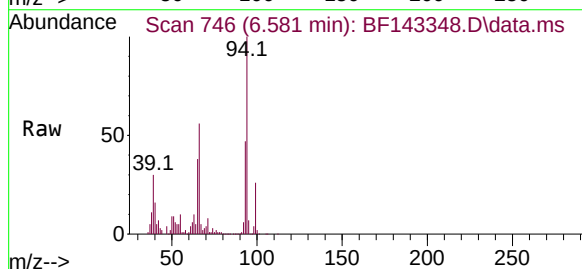
Tgt Ion: 94 Resp: 708845

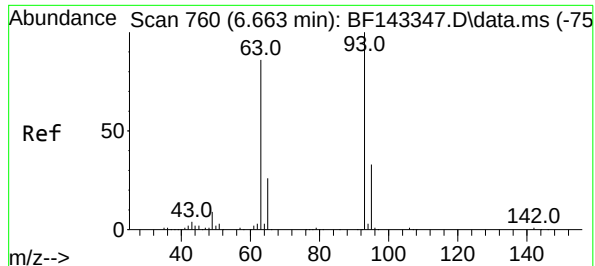
Ion Ratio Lower Upper

94 100

65 37.6 12.0 52.0

66 56.2 25.6 65.6





#11

bis(2-Chloroethyl)ether

Concen: 48.342 ng

RT: 6.663 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

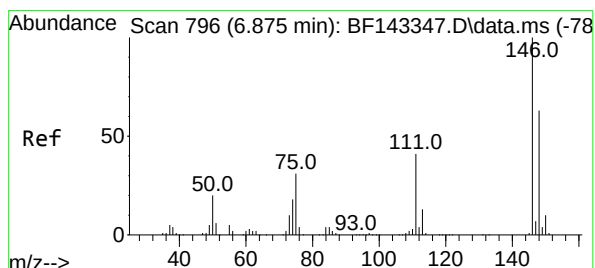
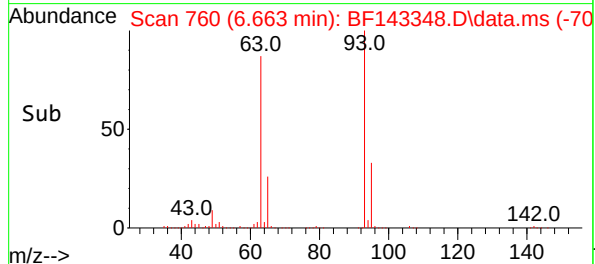
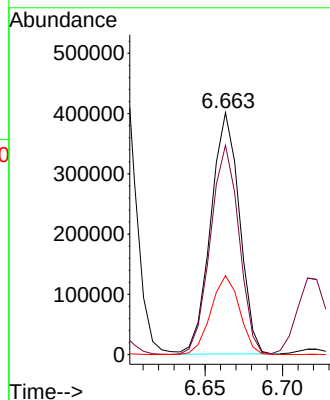
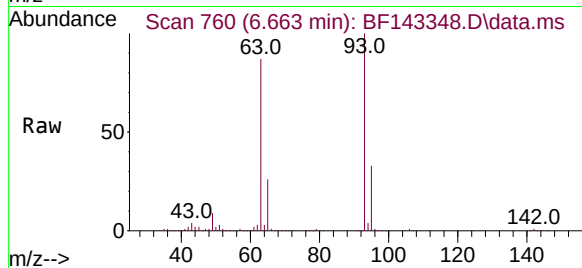
Tgt Ion: 93 Resp: 515652

Ion Ratio Lower Upper

93 100

63 86.5 65.7 105.7

95 32.7 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 47.838 ng

RT: 6.875 min Scan# 796

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

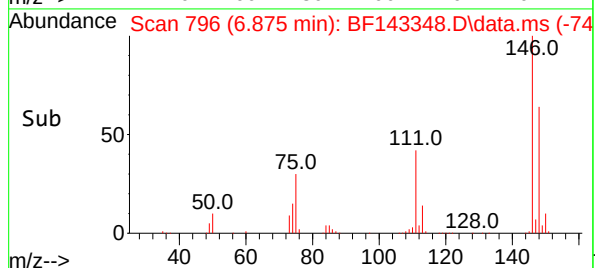
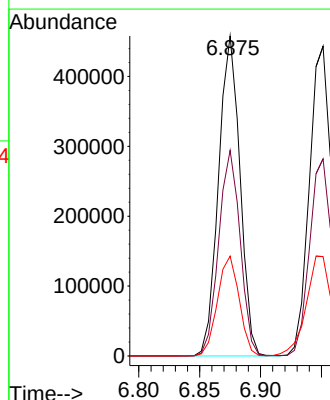
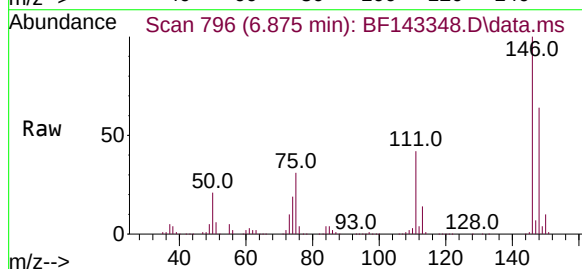
Tgt Ion: 146 Resp: 561710

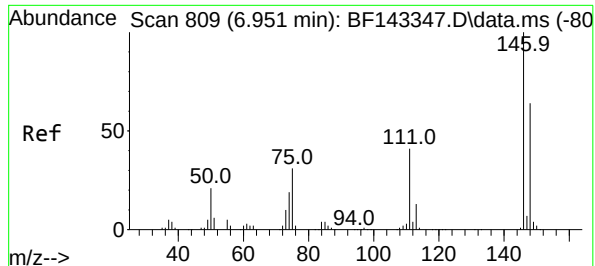
Ion Ratio Lower Upper

146 100

148 64.3 50.5 75.7

75 31.2 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 47.868 ng

RT: 6.951 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

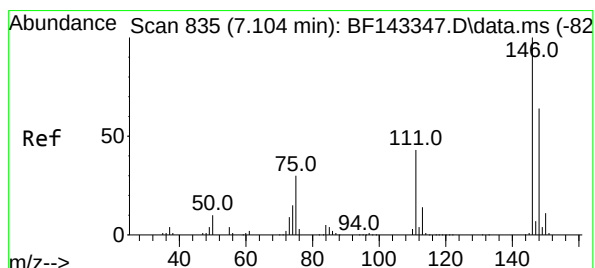
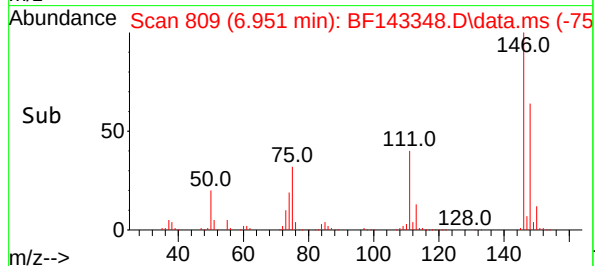
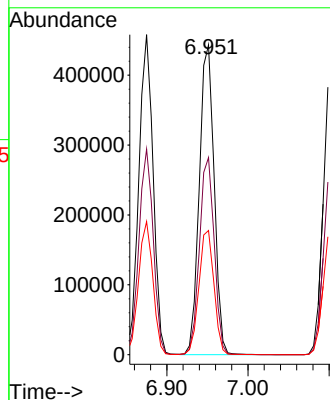
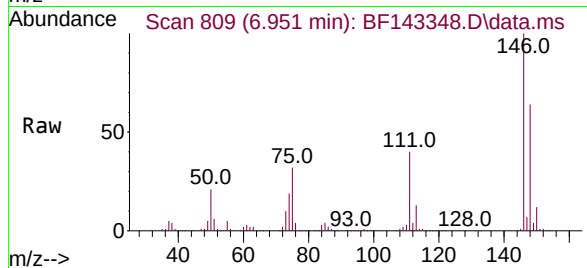
Tgt Ion:146 Resp: 564115

Ion Ratio Lower Upper

146 100

148 63.6 51.4 77.0

111 40.1 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 47.666 ng

RT: 7.104 min Scan# 835

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

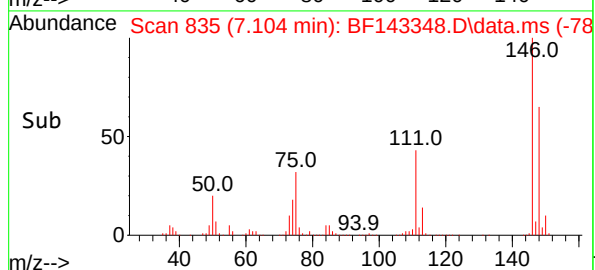
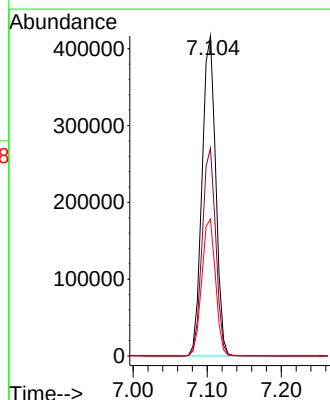
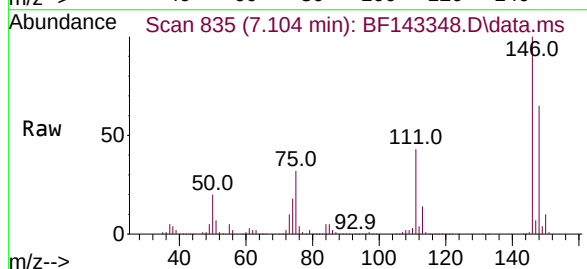
Tgt Ion:146 Resp: 533226

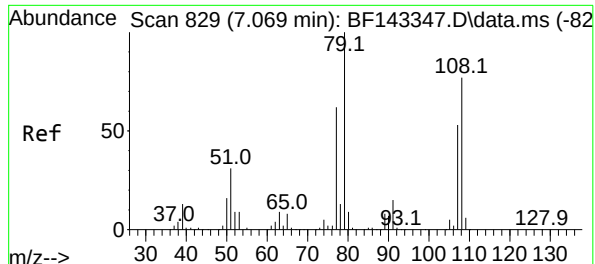
Ion Ratio Lower Upper

146 100

148 64.9 51.4 77.2

111 42.8 34.1 51.1





#15

Benzyl Alcohol

Concen: 50.143 ng

RT: 7.069 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

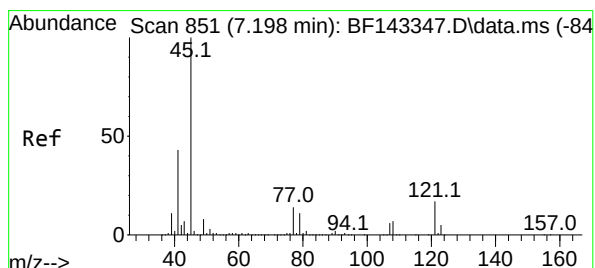
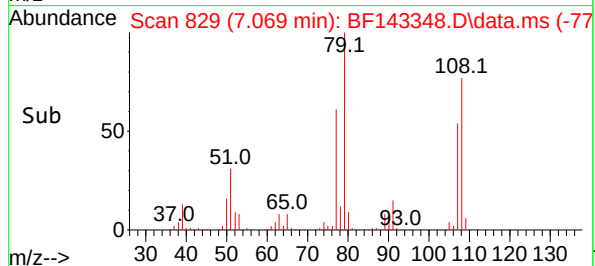
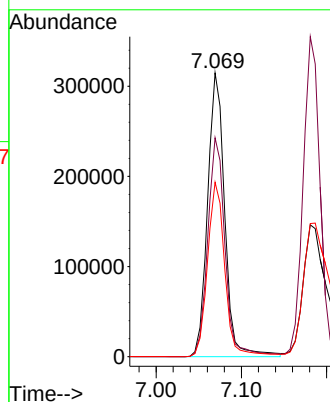
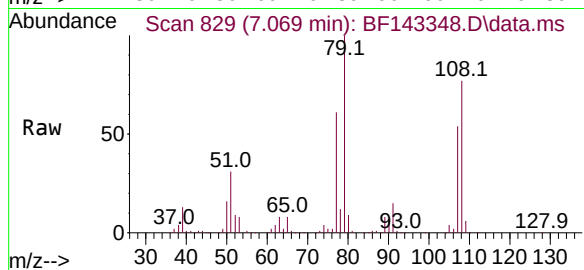
Tgt Ion: 79 Resp: 439125

Ion Ratio Lower Upper

79 100

108 77.1 61.5 92.3

77 61.4 49.8 74.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.882 ng

RT: 7.198 min Scan# 851

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

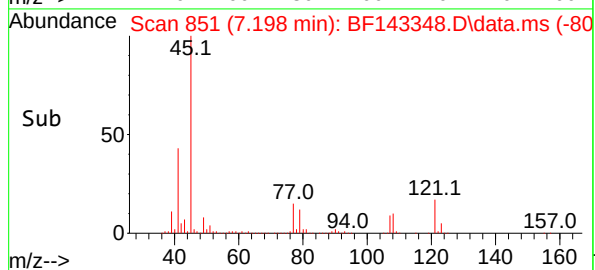
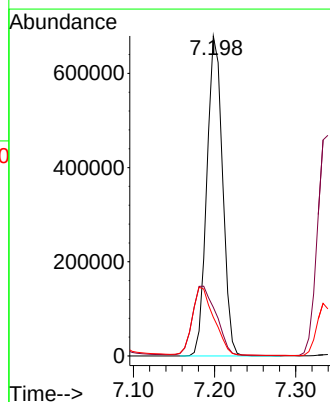
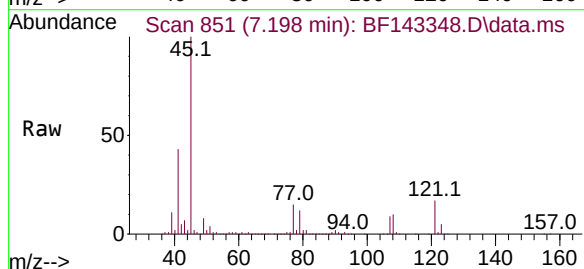
Tgt Ion: 45 Resp: 911815

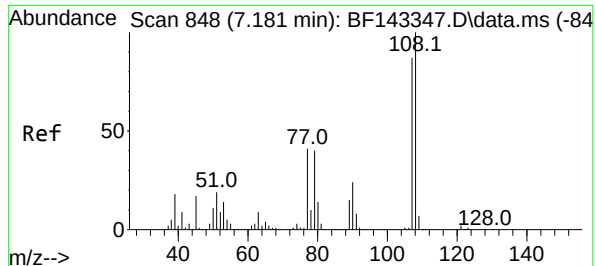
Ion Ratio Lower Upper

45 100

77 15.2 0.0 34.0

79 12.1 0.0 31.1

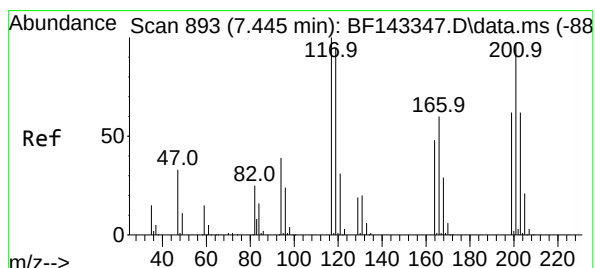
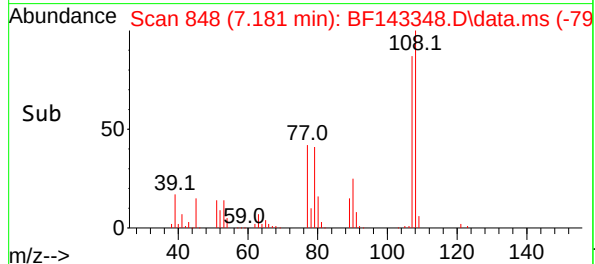
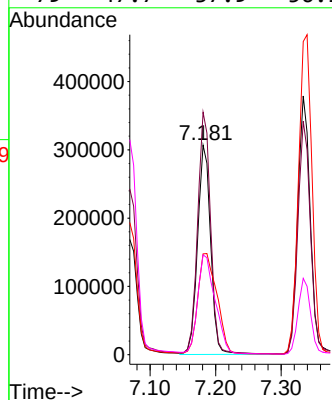
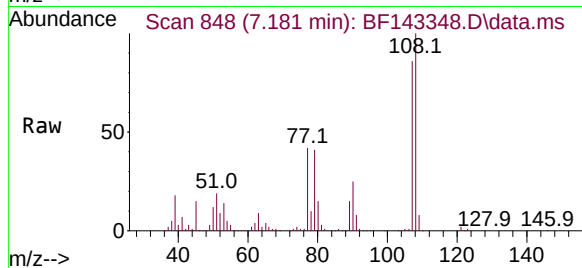




#17
2-Methylphenol
Concen: 49.676 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

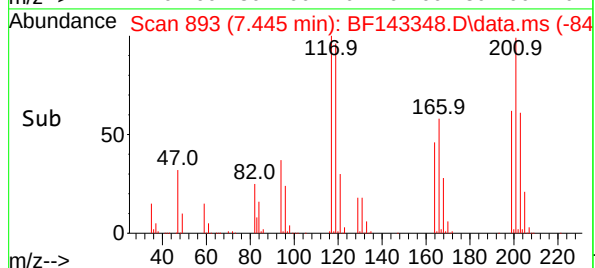
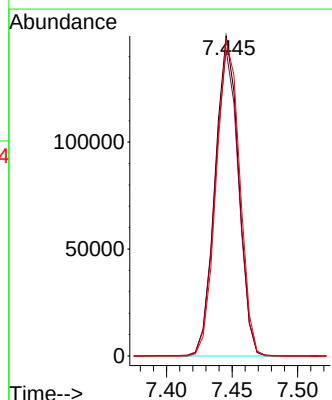
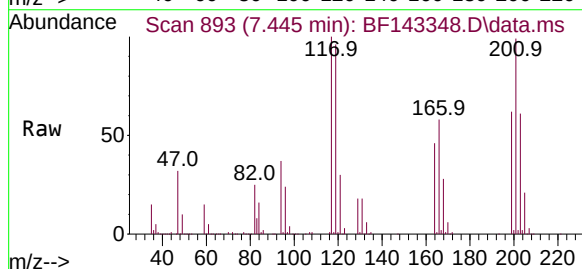
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

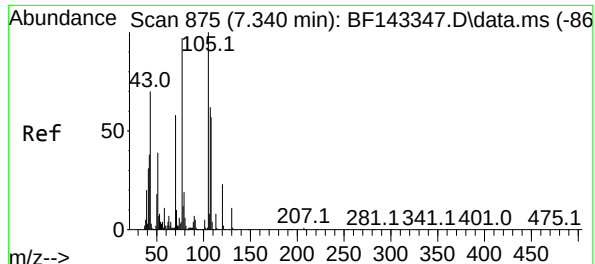
Tgt Ion:	107	Resp:	426865
Ion	Ratio	Lower	Upper
107	100		
108	115.7	92.0	138.0
77	48.1	38.2	57.2
79	47.7	37.9	56.9



#18
Hexachloroethane
Concen: 50.086 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:	117	Resp:	185051
Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.8
201	98.6	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 47.107 ng

RT: 7.340 min Scan# 875

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 355609

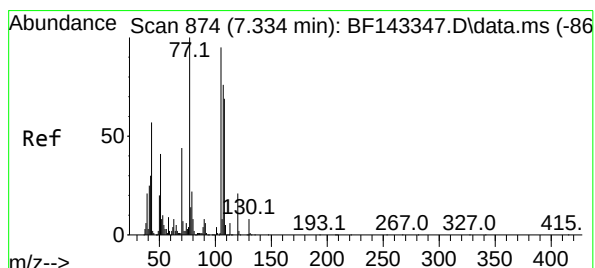
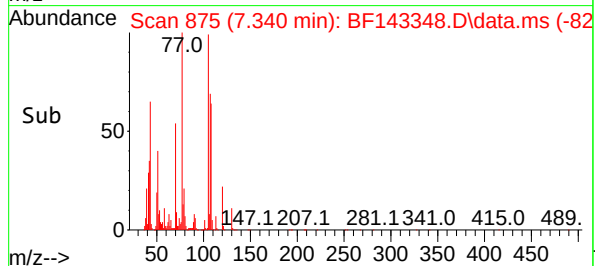
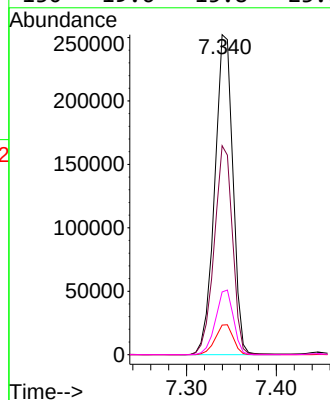
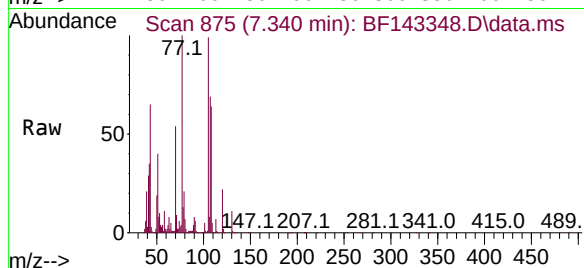
Ion Ratio Lower Upper

70 100

42 65.3 51.6 77.4

101 9.2 7.5 11.3

130 19.6 15.8 23.6



#20

3+4-Methylphenols

Concen: 48.609 ng

RT: 7.334 min Scan# 874

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Tgt Ion: 107 Resp: 505153

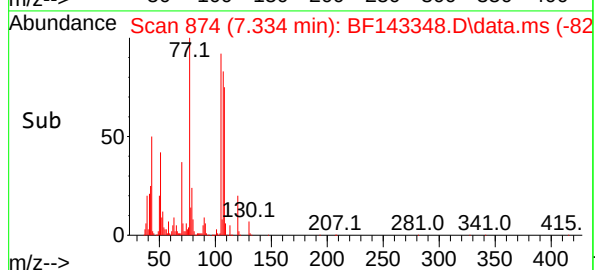
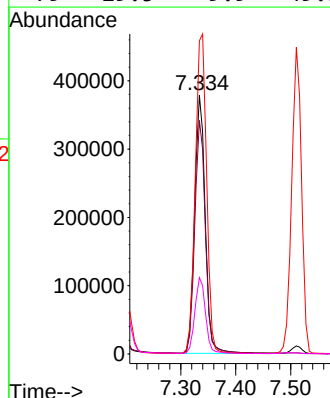
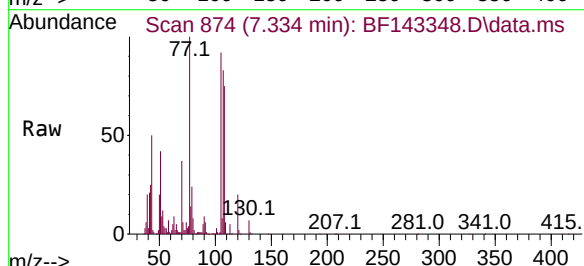
Ion Ratio Lower Upper

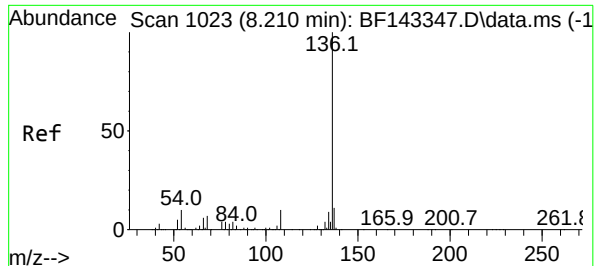
107 100

108 90.2 70.6 110.6

77 121.1 112.0 152.0

79 29.5 9.9 49.9

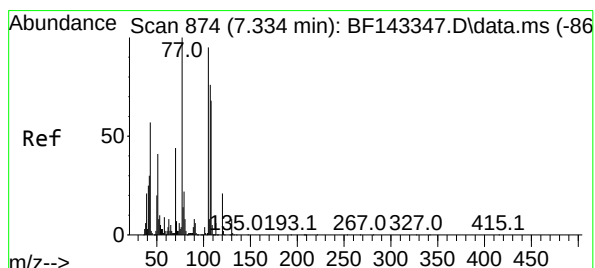
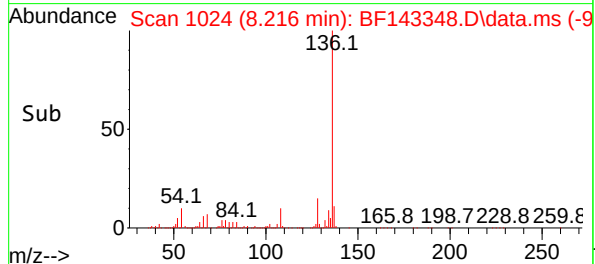
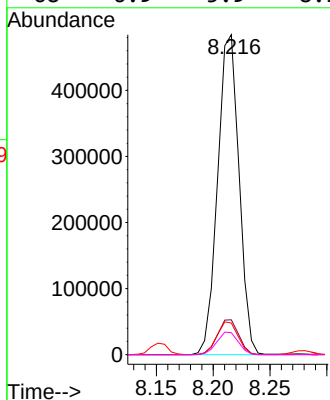
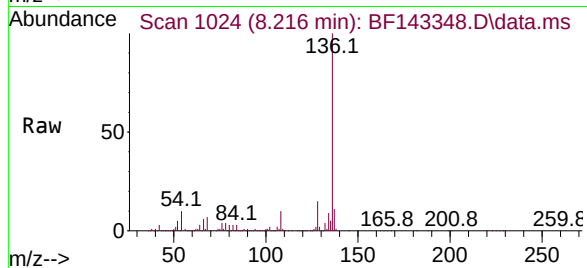




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

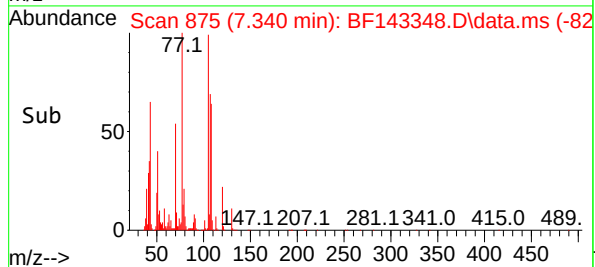
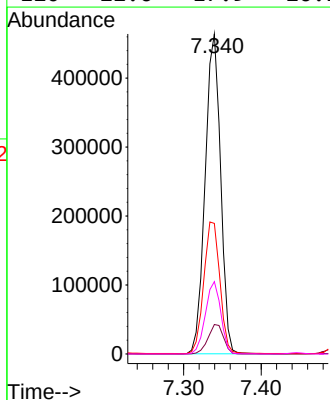
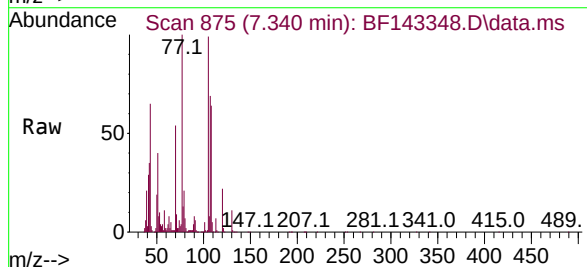
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

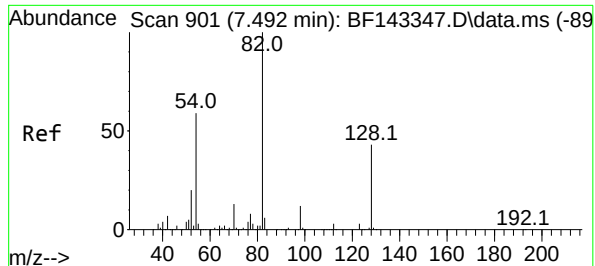
Tgt Ion:	136	Resp:	635446
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.9	8.4	12.6
68	6.9	5.9	8.9



#22
Acetophenone
Concen: 45.886 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:	105	Resp:	642443
Ion	Ratio	Lower	Upper
105	100		
71	9.2	6.2	9.4
51	40.8	34.8	52.2
120	22.6	17.9	26.9





#23

Nitrobenzene-d5

Concen: 102.072 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

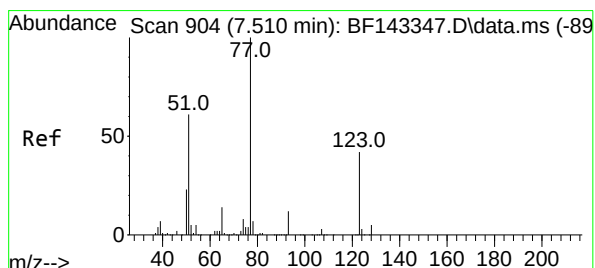
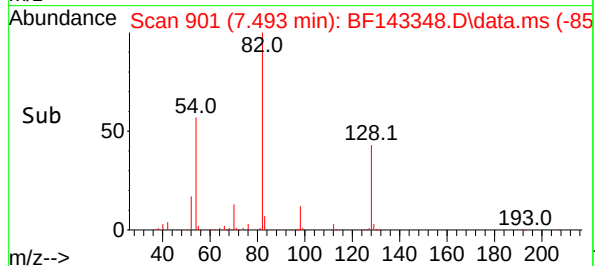
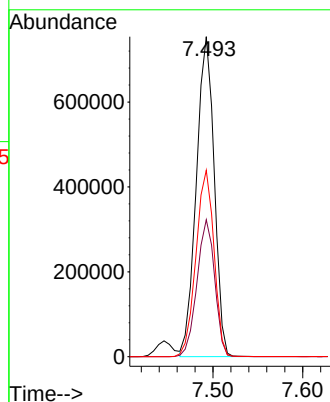
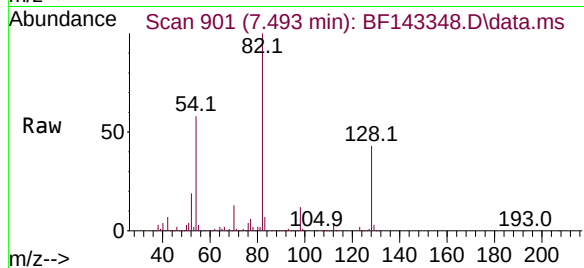
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1041552

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.5	50.3
54	58.2	46.7	70.1



#24

Nitrobenzene

Concen: 50.388 ng

RT: 7.510 min Scan# 904

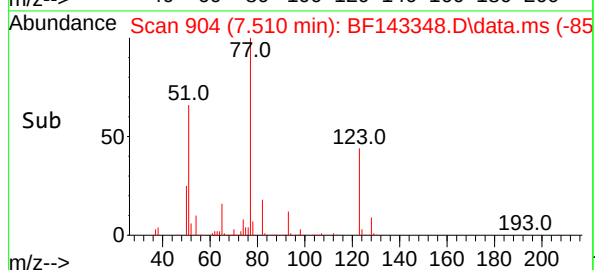
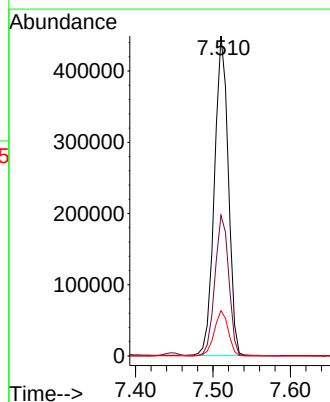
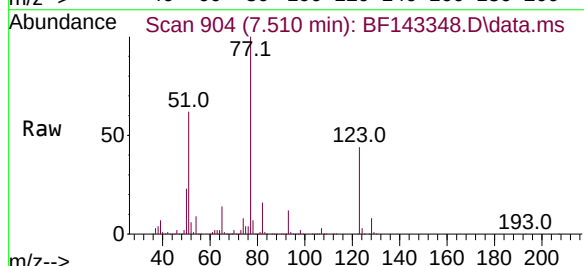
Delta R.T. 0.000 min

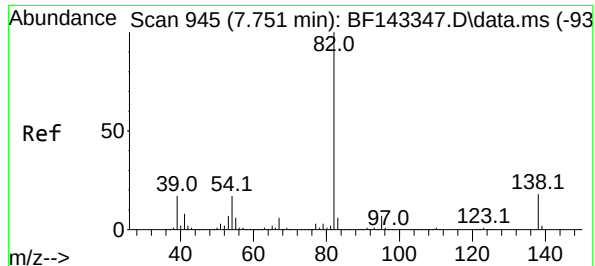
Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Tgt Ion: 77 Resp: 558404

Ion	Ratio	Lower	Upper
77	100		
123	43.9	34.8	52.2
65	14.1	11.0	16.6

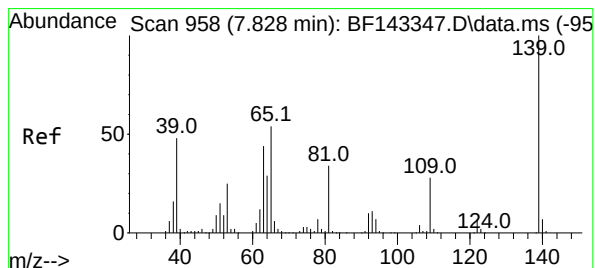
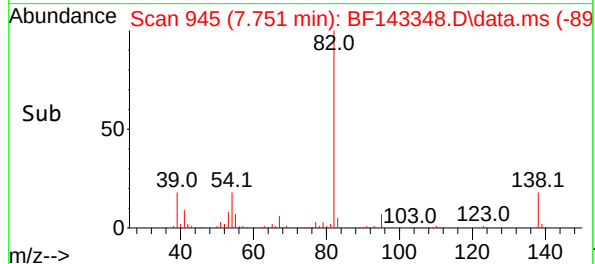
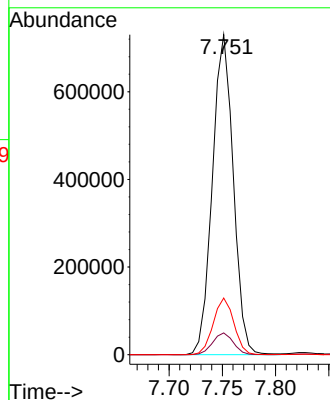
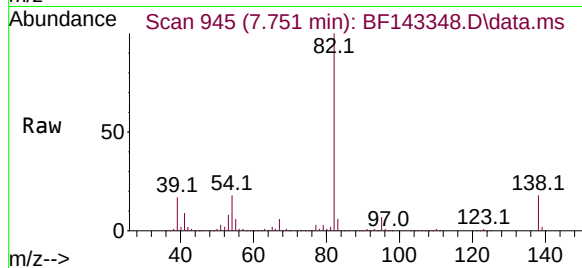




#25
Isophorone
Concen: 47.796 ng
RT: 7.751 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

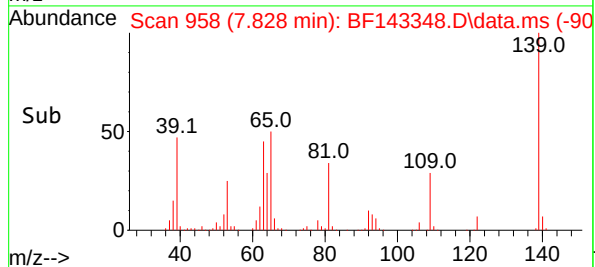
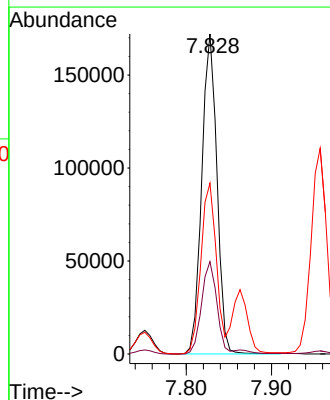
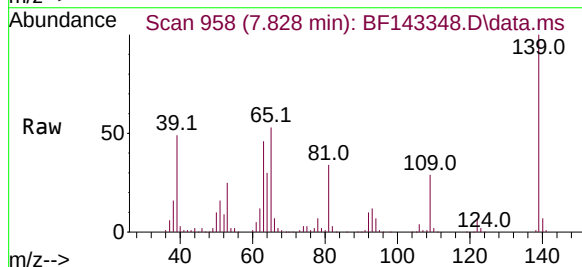
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

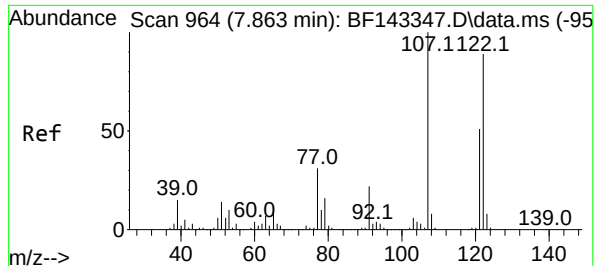
Tgt Ion:	82	Resp:	995651
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.5	8.3
138	17.7	14.6	21.8



#26
2-Nitrophenol
Concen: 47.982 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:	139	Resp:	213083
Ion Ratio	Lower	Upper	
139	100		
109	28.9	22.4	33.6
65	53.4	42.9	64.3





#27

2,4-Dimethylphenol

Concen: 50.217 ng

RT: 7.863 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

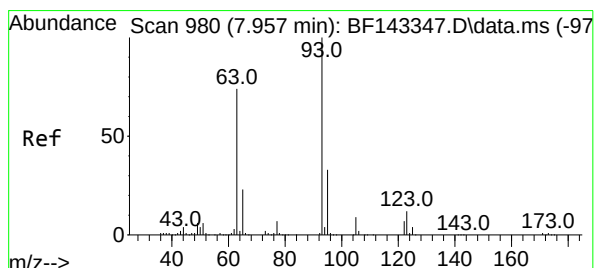
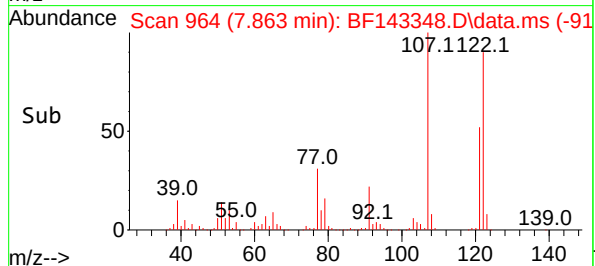
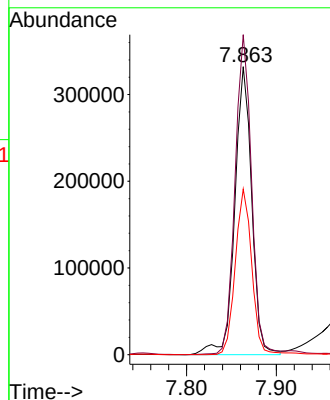
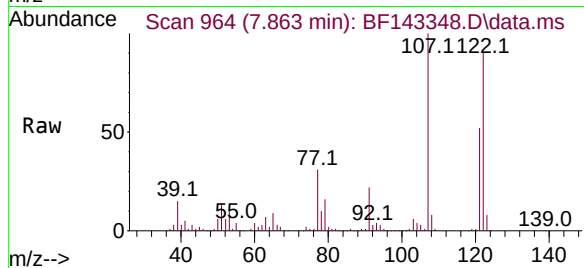
Tgt Ion:122 Resp: 436419

Ion Ratio Lower Upper

122 100

107 111.1 89.9 134.9

121 57.5 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 47.865 ng

RT: 7.957 min Scan# 980

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

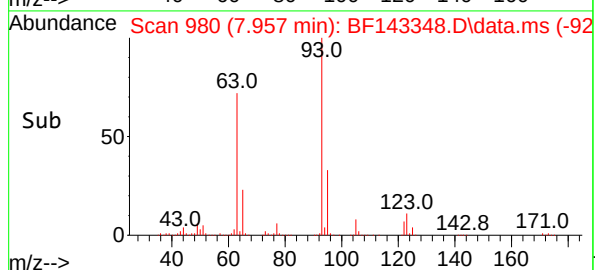
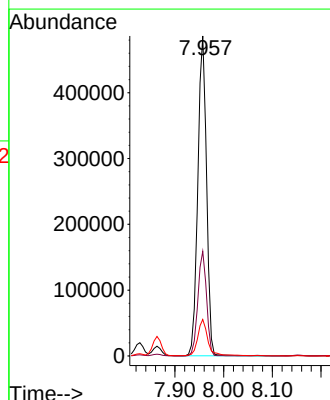
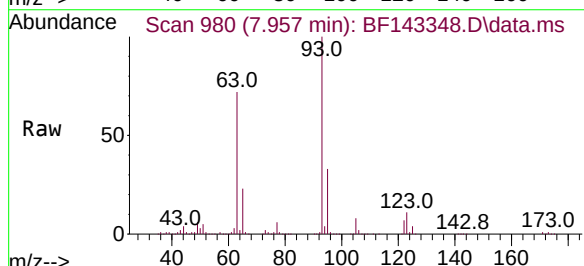
Tgt Ion: 93 Resp: 608760

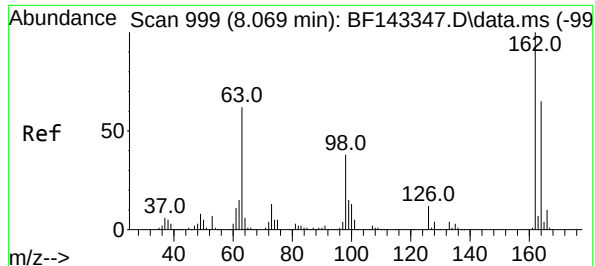
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.4

123 11.4 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 50.485 ng

RT: 8.069 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

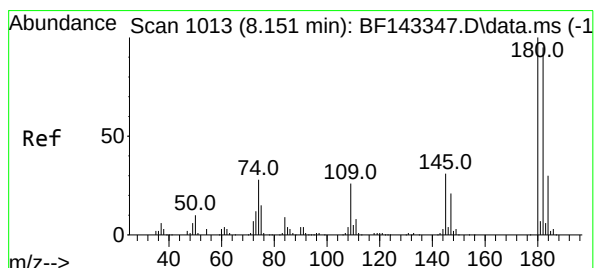
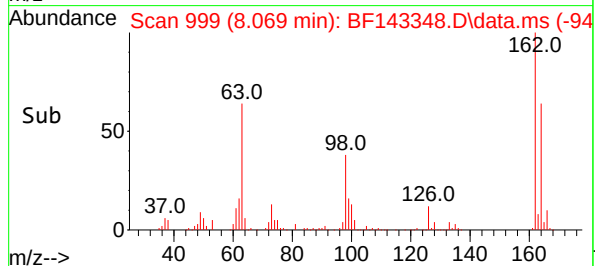
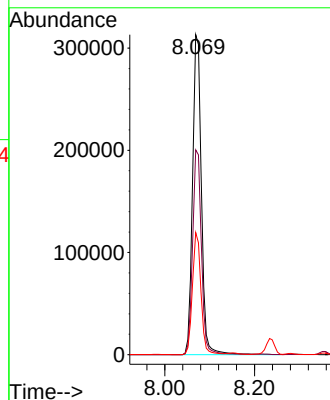
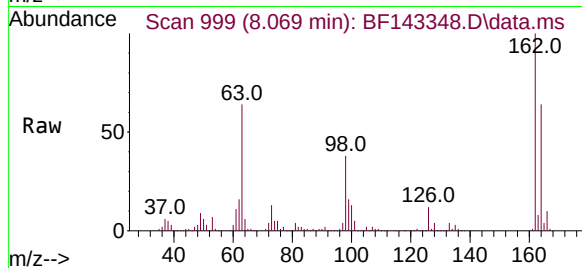
Tgt Ion:162 Resp: 428530

Ion Ratio Lower Upper

162 100

164 64.0 44.5 84.5

98 38.1 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 47.795 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

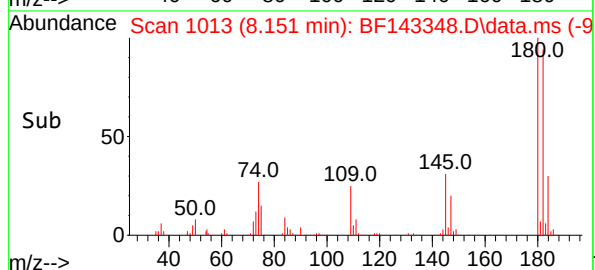
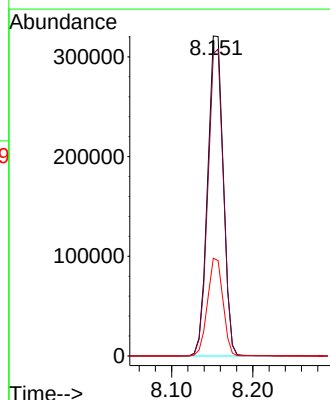
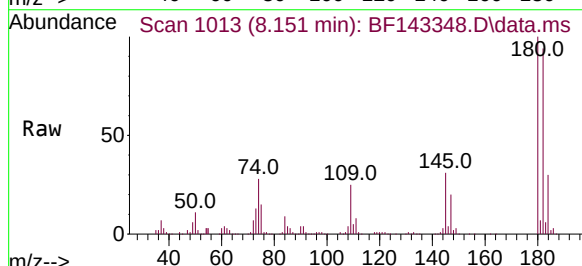
Tgt Ion:180 Resp: 427946

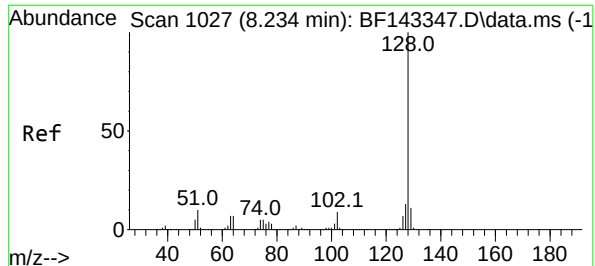
Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

145 30.6 24.9 37.3

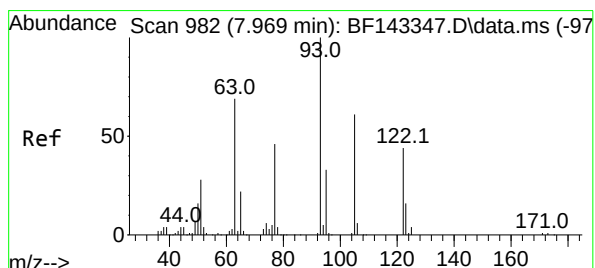
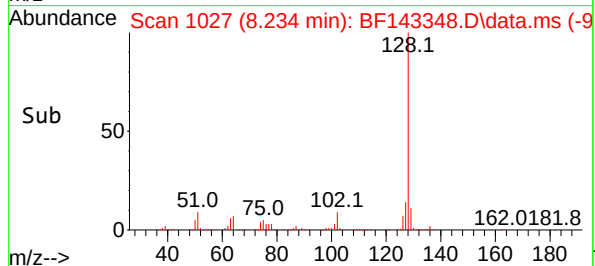
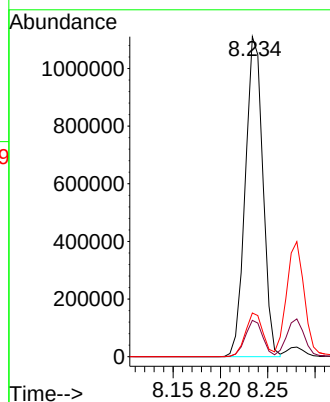
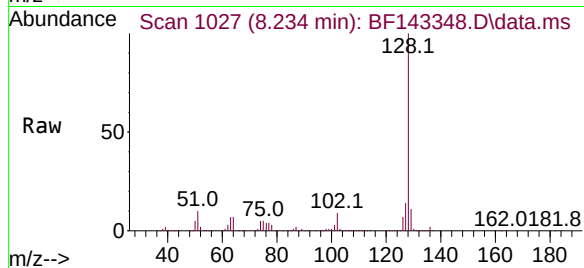




#31
Naphthalene
Concen: 46.809 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

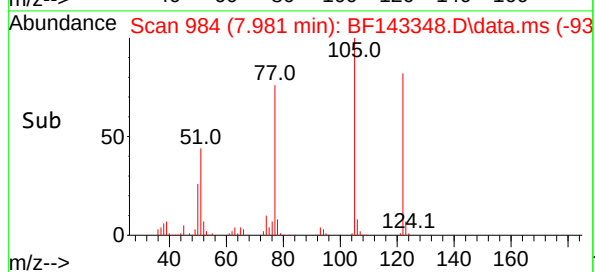
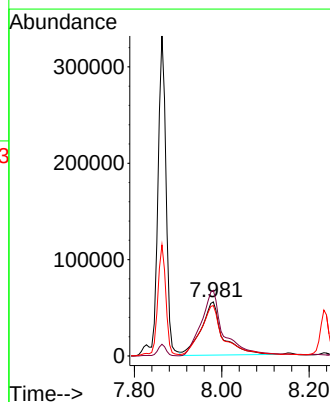
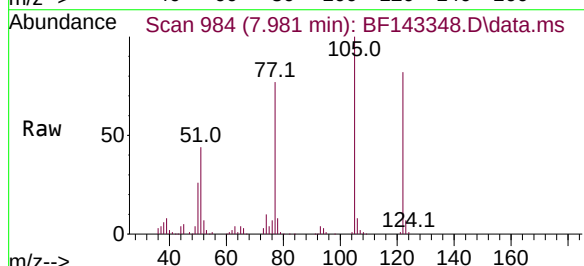
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

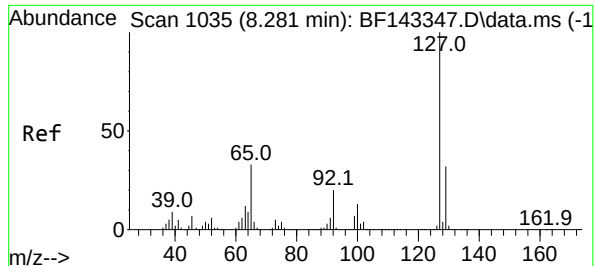
Tgt Ion:128 Resp: 1431280
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.6 10.7 16.1



#32
Benzoic acid
Concen: 49.943 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.012 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:122 Resp: 191072
Ion Ratio Lower Upper
122 100
105 121.5 106.4 146.4
77 93.2 79.2 119.2





#33

4-Chloroaniline

Concen: 48.171 ng

RT: 8.281 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 531257

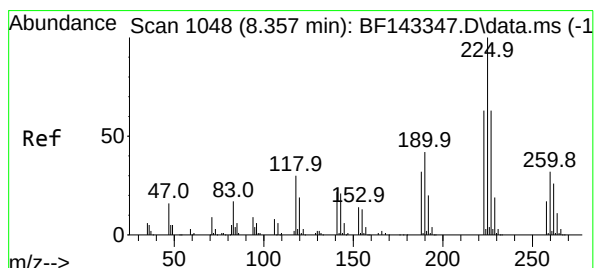
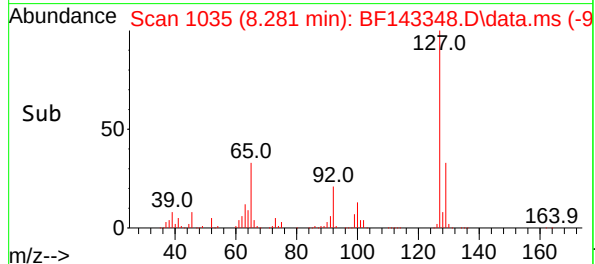
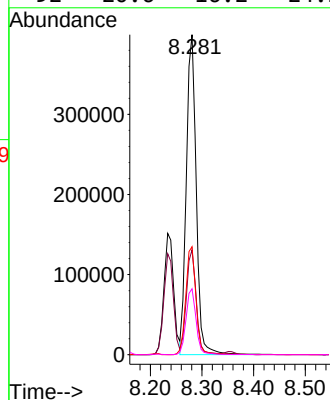
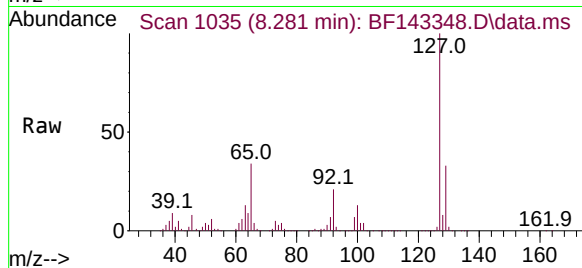
Ion Ratio Lower Upper

127 100

129 32.8 26.0 39.0

65 33.7 27.0 40.4

92 20.6 16.2 24.2



#34

Hexachlorobutadiene

Concen: 47.488 ng

RT: 8.357 min Scan# 1048

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

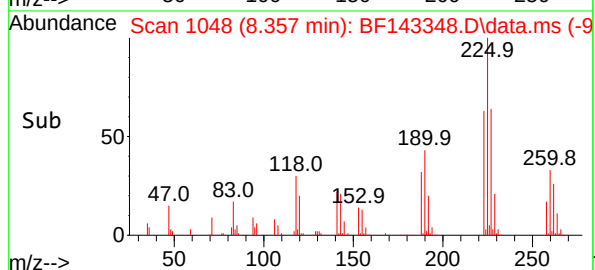
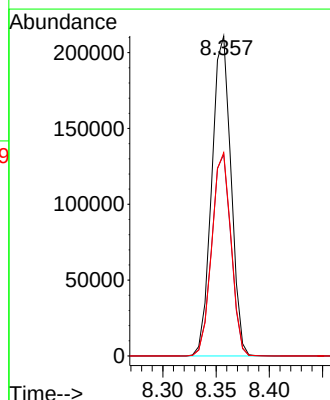
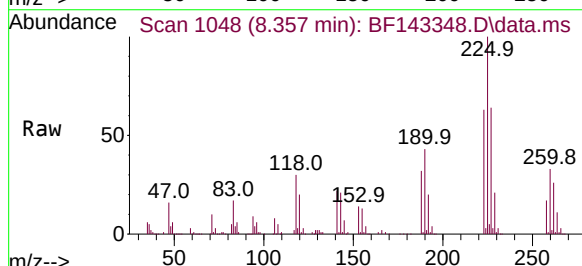
Tgt Ion:225 Resp: 264501

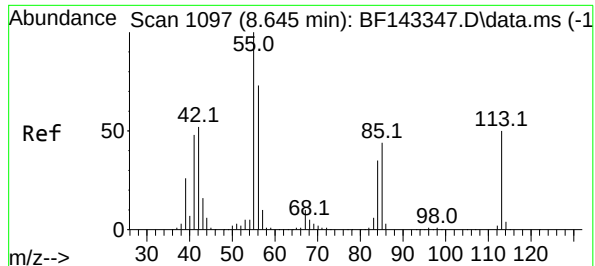
Ion Ratio Lower Upper

225 100

223 63.0 50.1 75.1

227 63.6 50.6 75.8





#35

Caprolactam

Concen: 51.952 ng

RT: 8.651 min Scan# 1109

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

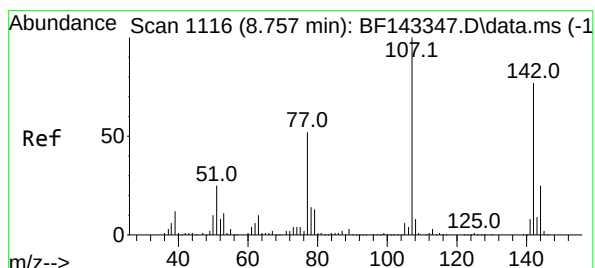
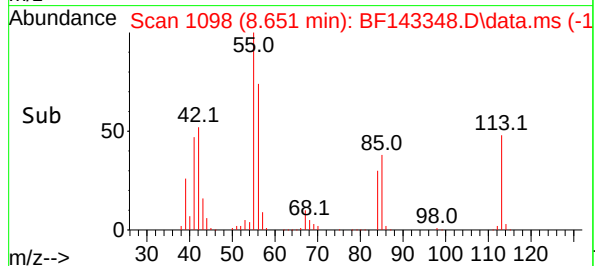
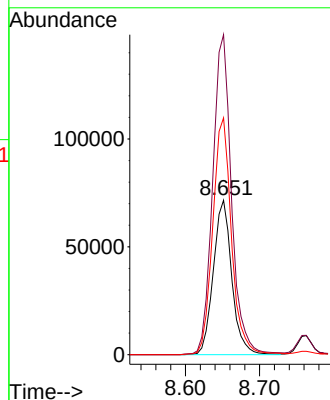
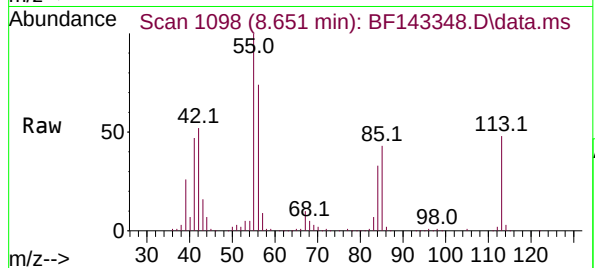
Tgt Ion:113 Resp: 123969

Ion Ratio Lower Upper

113 100

55 207.2 181.4 221.4

56 153.3 127.3 167.3



#36

4-Chloro-3-methylphenol

Concen: 49.741 ng

RT: 8.763 min Scan# 1117

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

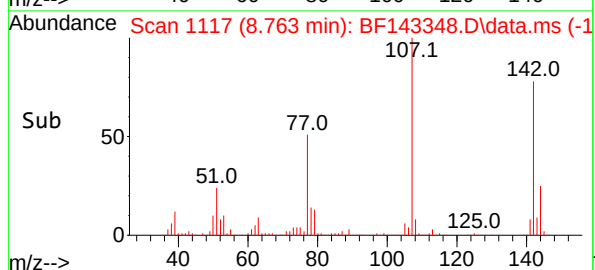
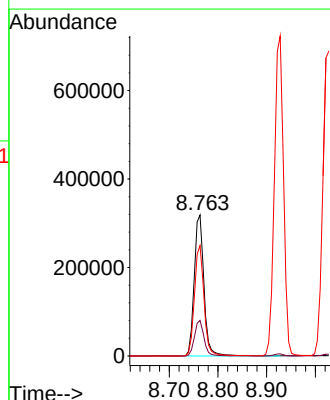
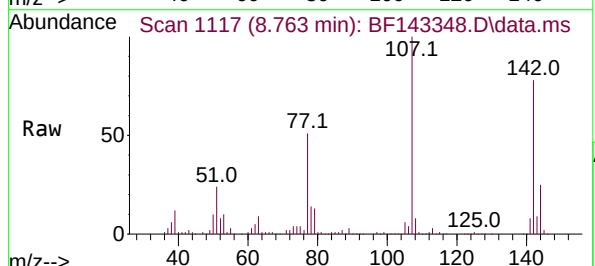
Tgt Ion:107 Resp: 442622

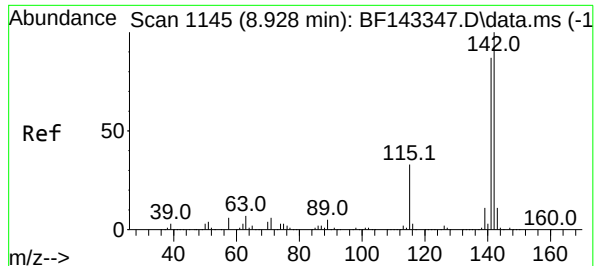
Ion Ratio Lower Upper

107 100

144 25.2 20.0 30.0

142 78.4 61.3 91.9





#37

2-Methylnaphthalene

Concen: 46.712 ng

RT: 8.928 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

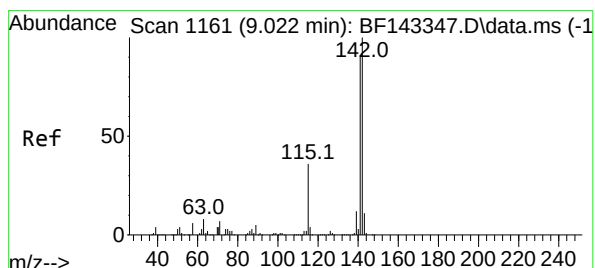
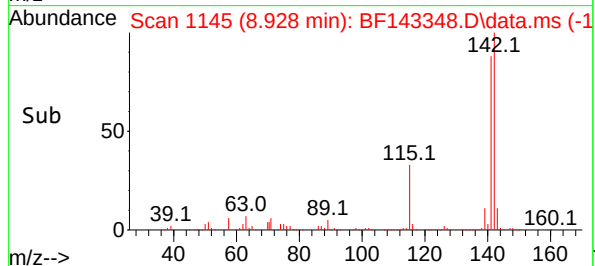
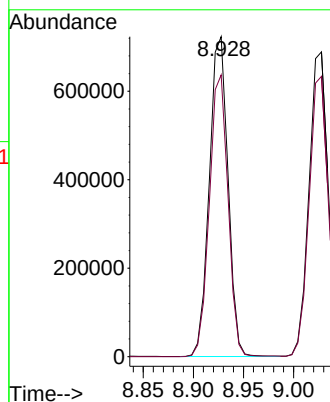
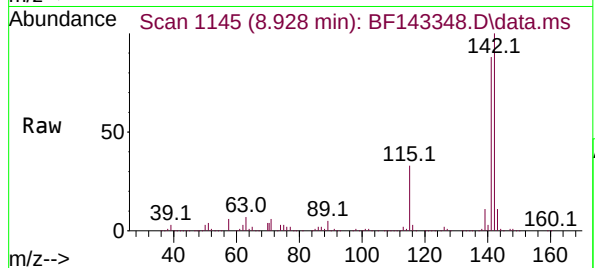
SSTDICC050

Tgt Ion:142 Resp: 938982

Ion Ratio Lower Upper

142 100

141 88.0 69.8 104.8



#38

1-Methylnaphthalene

Concen: 46.606 ng

RT: 9.028 min Scan# 1162

Delta R.T. 0.006 min

Lab File: BF143348.D

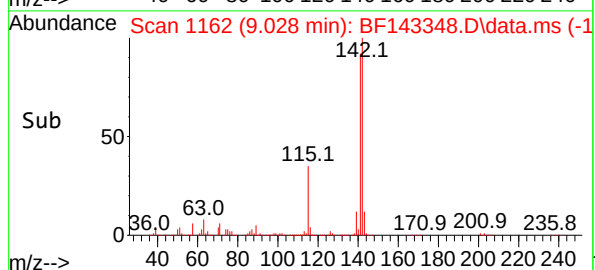
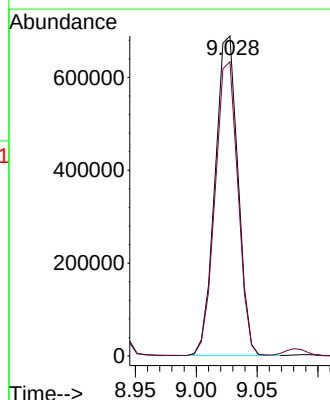
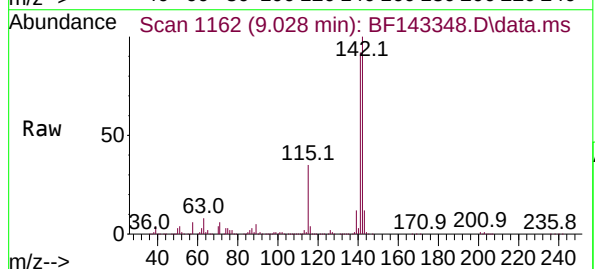
Acq: 12 Aug 2025 11:37

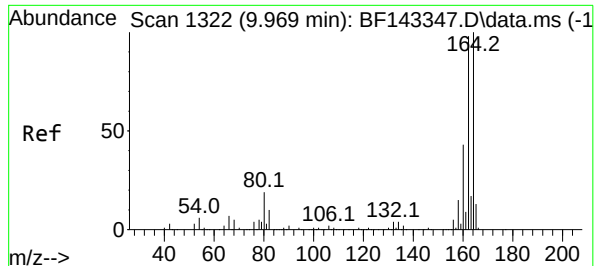
Tgt Ion:142 Resp: 902313

Ion Ratio Lower Upper

142 100

141 91.9 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

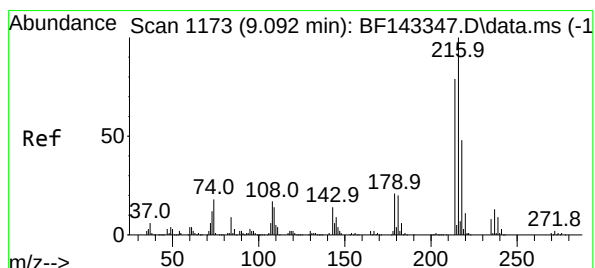
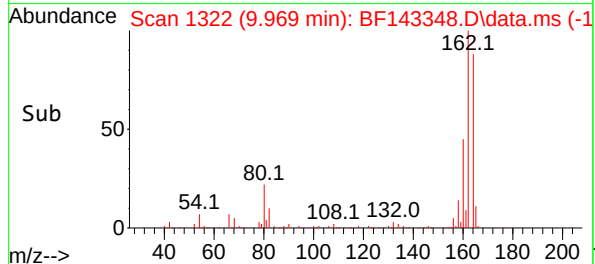
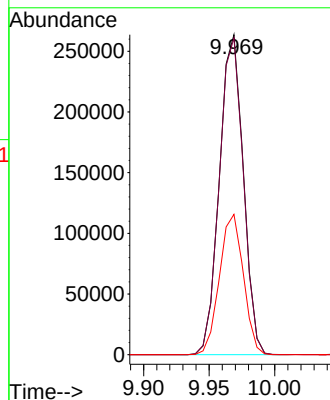
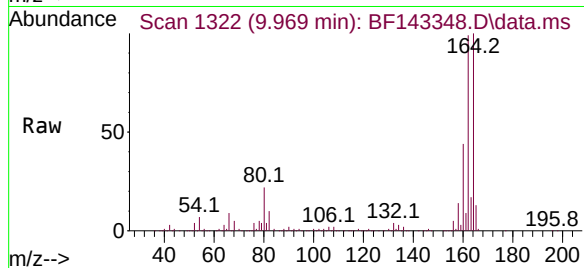
Tgt Ion:164 Resp: 333763

Ion Ratio Lower Upper

164 100

162 98.9 78.6 118.0

160 43.8 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.877 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Tgt Ion:216 Resp: 437268

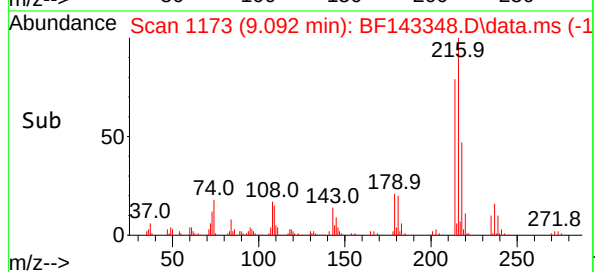
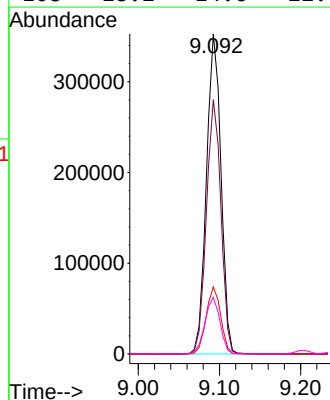
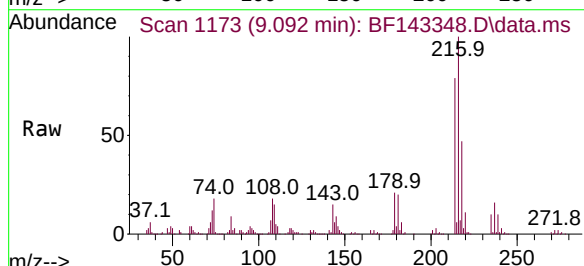
Ion Ratio Lower Upper

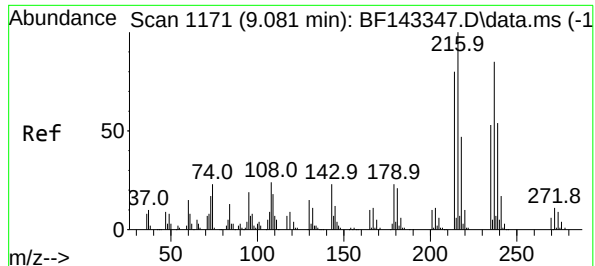
216 100

214 79.5 63.0 94.4

179 20.9 17.0 25.4

108 18.2 14.6 22.0

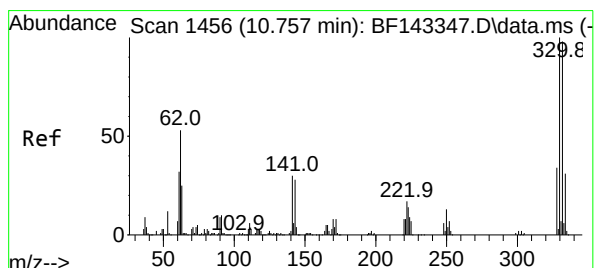
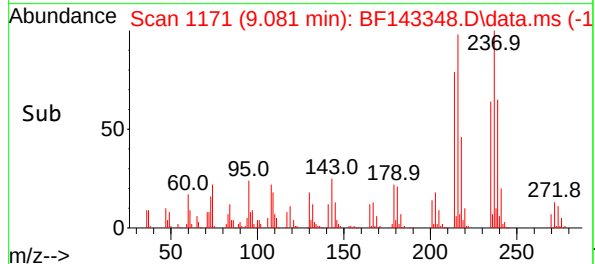
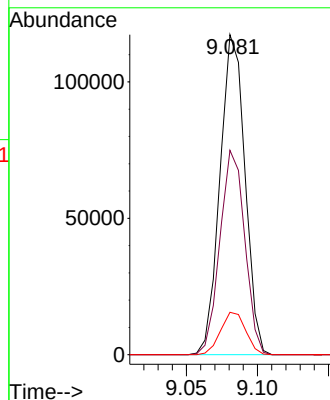
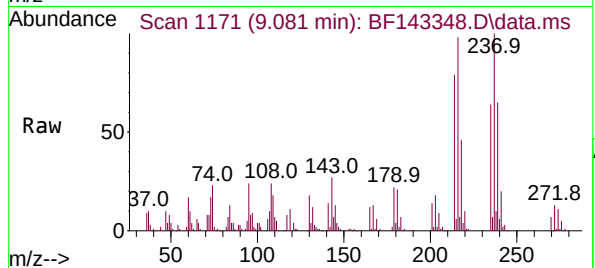




#41
Hexachlorocyclopentadiene
Concen: 47.474 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

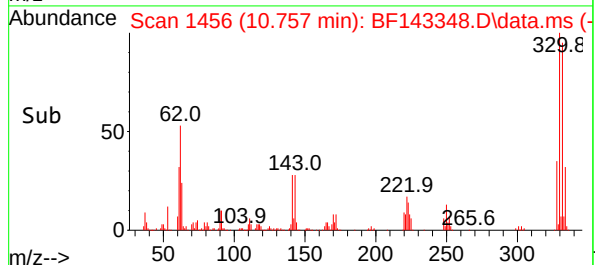
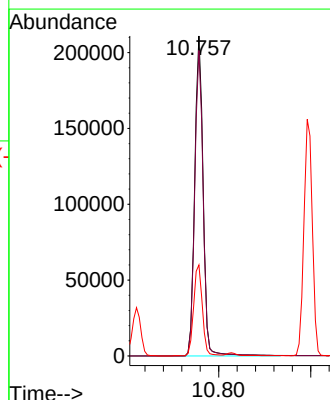
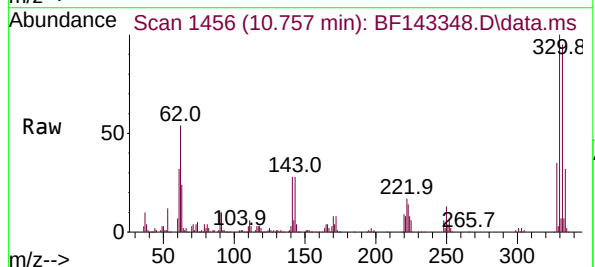
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

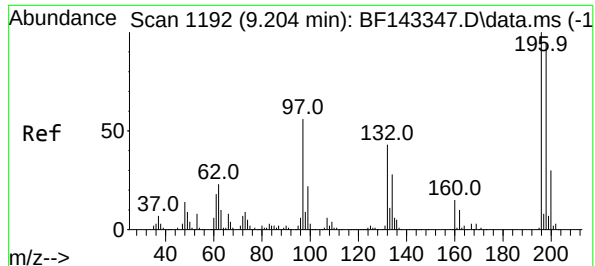
Tgt Ion: 237 Resp: 143487
Ion Ratio Lower Upper
237 100
235 63.8 42.0 82.0
272 13.3 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 109.378 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 330 Resp: 266796
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 29.6 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 52.773 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

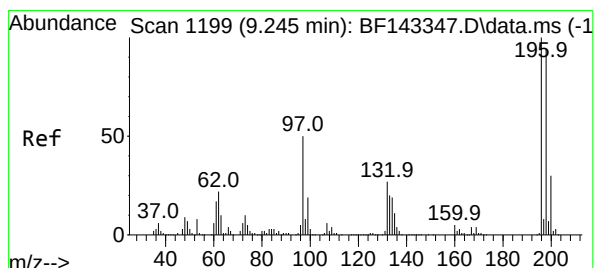
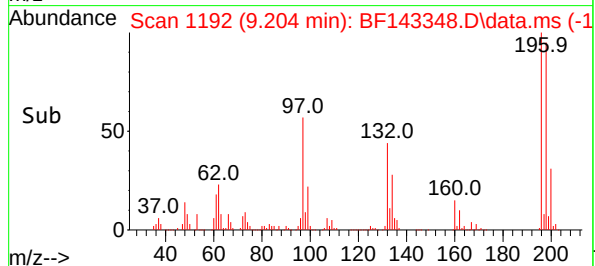
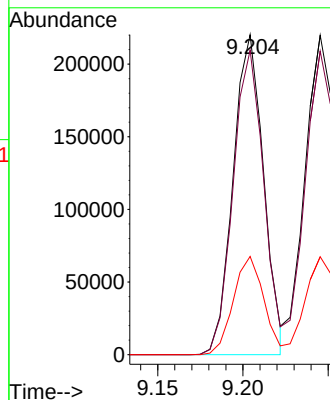
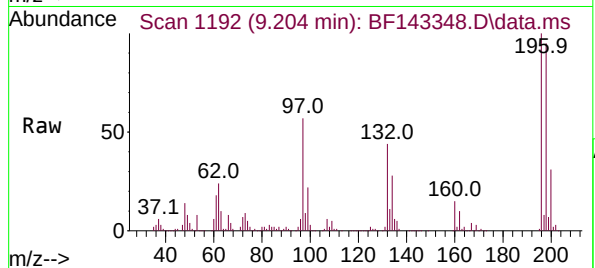
Tgt Ion:196 Resp: 273471

Ion Ratio Lower Upper

196 100

198 95.1 75.4 113.0

200 30.7 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 51.948 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Tgt Ion:196 Resp: 303993

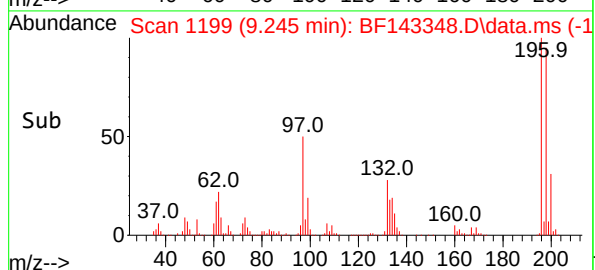
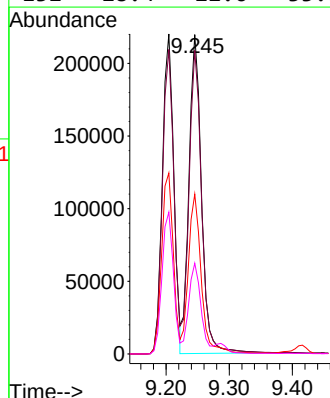
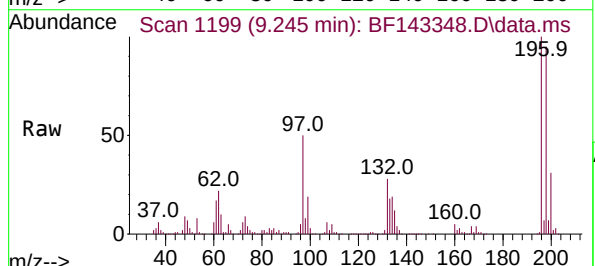
Ion Ratio Lower Upper

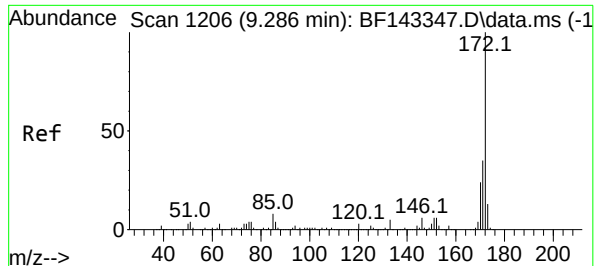
196 100

198 95.1 75.4 113.2

97 50.0 39.9 59.9

132 28.4 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 89.893 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

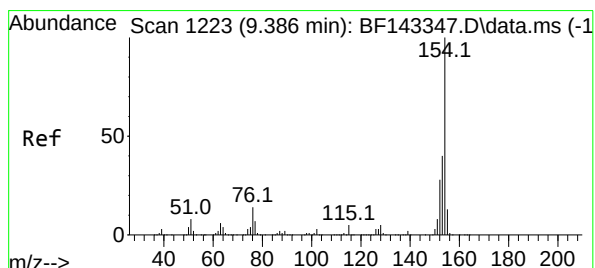
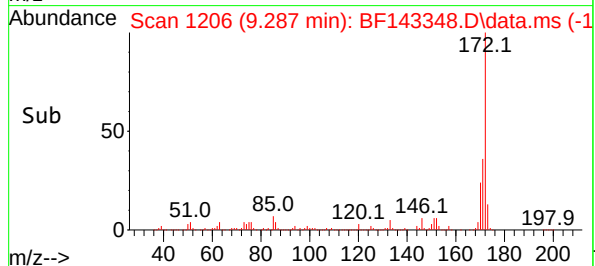
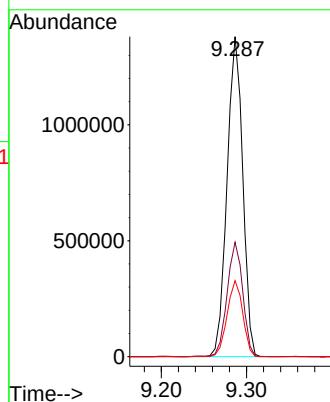
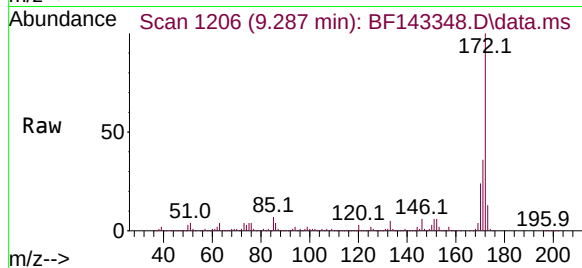
Tgt Ion:172 Resp: 1769302

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.8 19.1 28.7



#46

1,1'-Biphenyl

Concen: 46.558 ng

RT: 9.387 min Scan# 1223

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

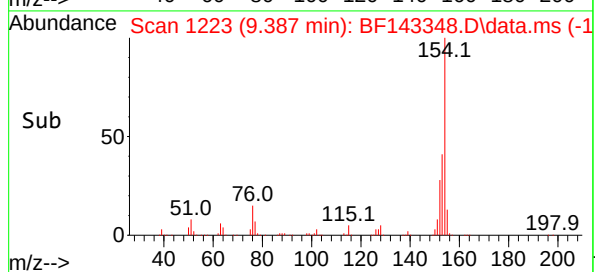
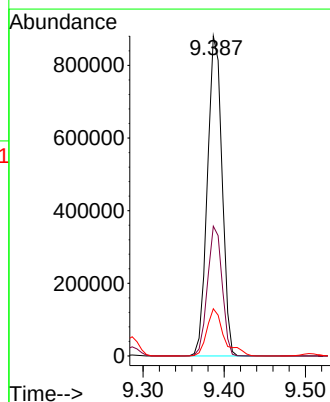
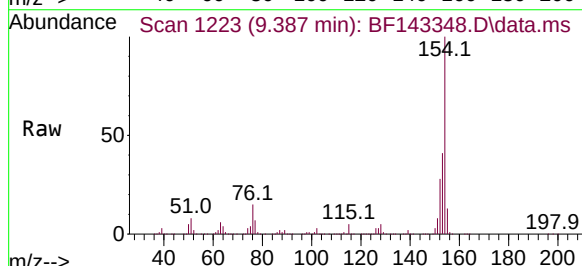
Tgt Ion:154 Resp: 1098727

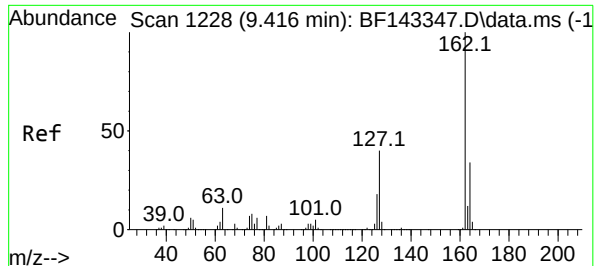
Ion Ratio Lower Upper

154 100

153 40.6 20.2 60.2

76 14.8 0.0 34.4





#47

2-Chloronaphthalene

Concen: 46.944 ng

RT: 9.416 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

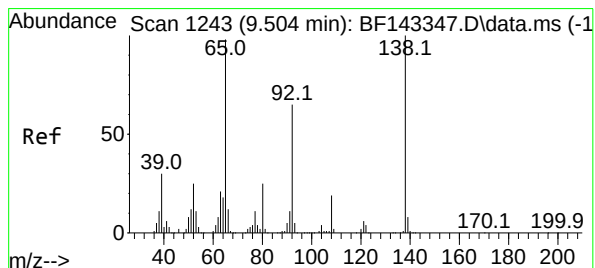
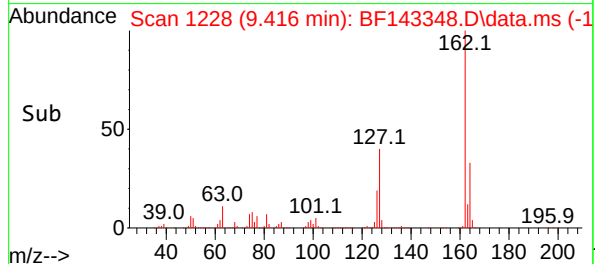
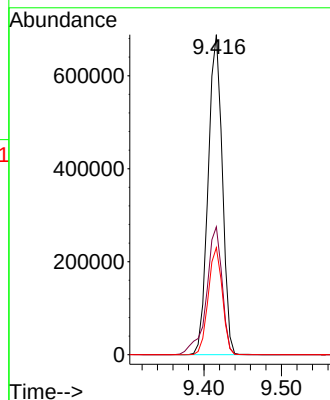
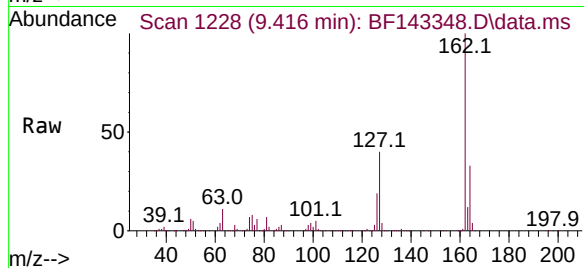
Tgt Ion:162 Resp: 872497

Ion Ratio Lower Upper

162 100

127 39.9 32.1 48.1

164 33.5 27.0 40.4



#48

2-Nitroaniline

Concen: 49.816 ng

RT: 9.504 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

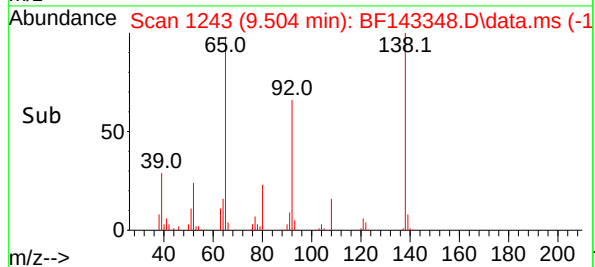
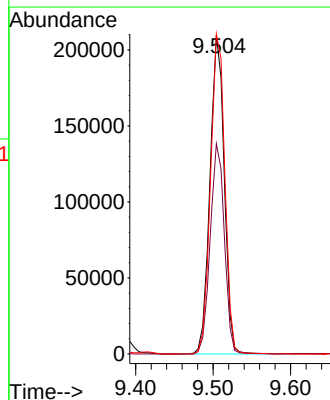
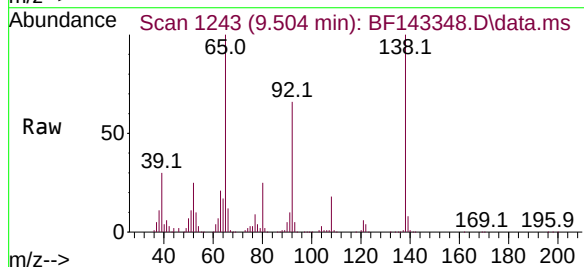
Tgt Ion: 65 Resp: 267630

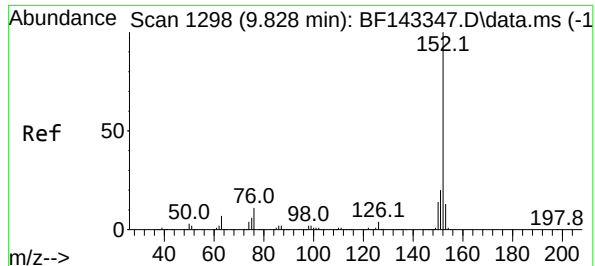
Ion Ratio Lower Upper

65 100

92 66.0 53.1 79.7

138 100.4 81.4 122.0





#49

Acenaphthylene

Concen: 47.424 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

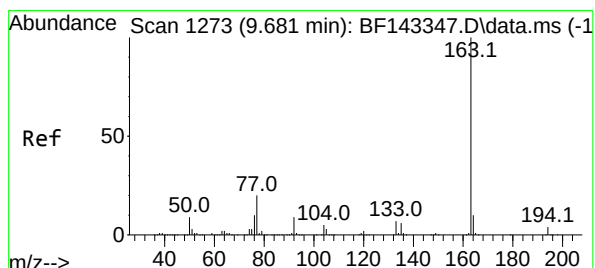
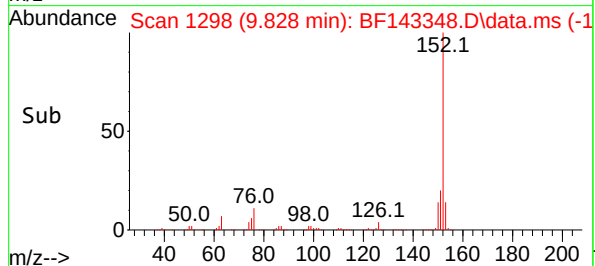
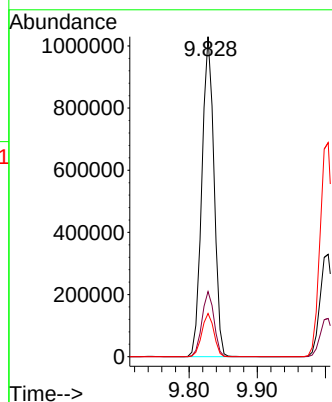
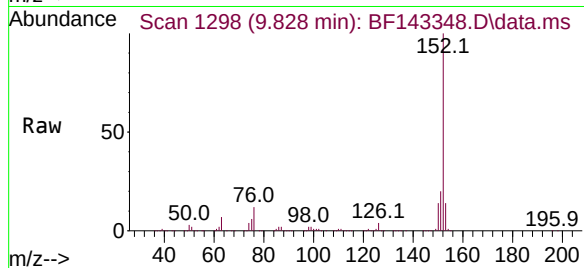
Tgt Ion:152 Resp: 1272878

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 13.5 10.6 16.0



#50

Dimethylphthalate

Concen: 48.946 ng

RT: 9.681 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

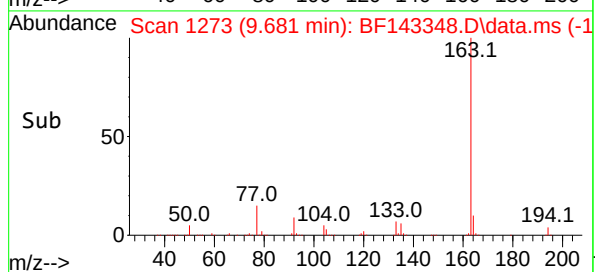
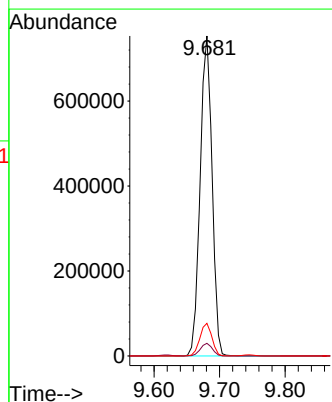
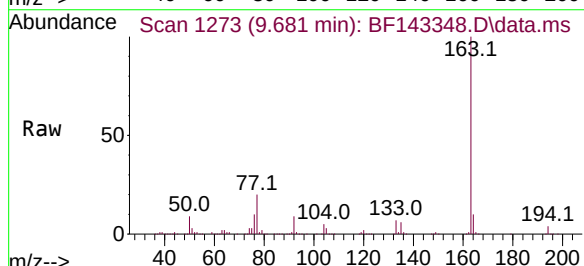
Tgt Ion:163 Resp: 954560

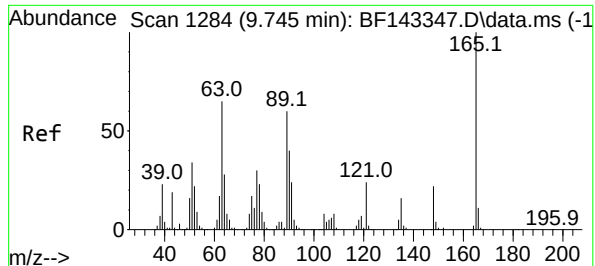
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 49.400 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

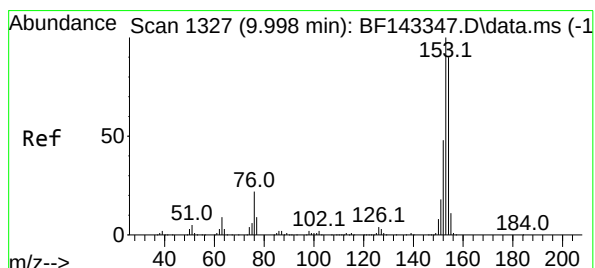
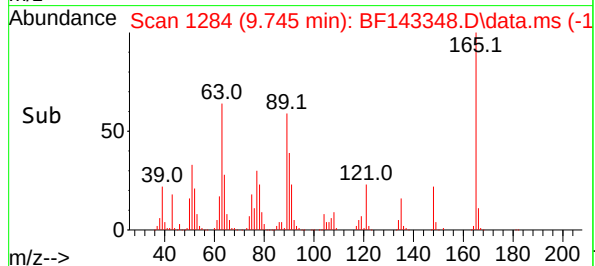
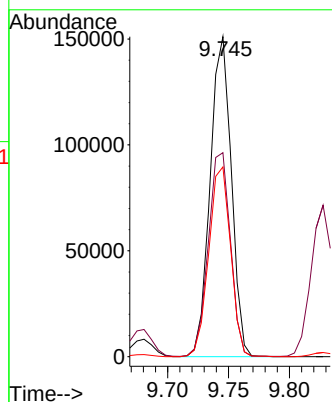
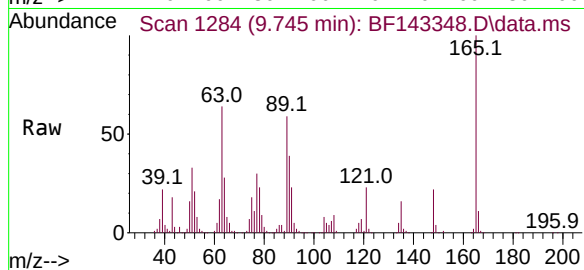
Tgt Ion:165 Resp: 182648

Ion Ratio Lower Upper

165 100

63 63.7 51.6 77.4

89 59.3 47.7 71.5



#52

Acenaphthene

Concen: 47.334 ng

RT: 10.004 min Scan# 1328

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

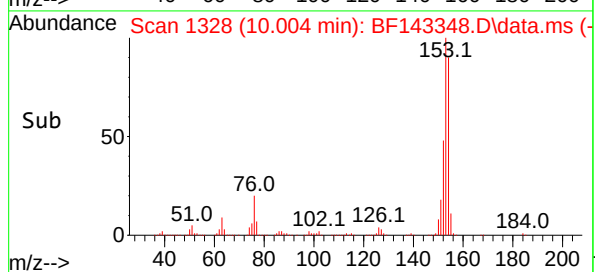
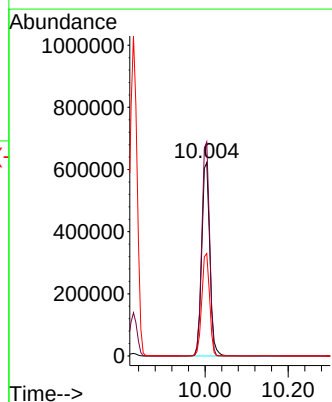
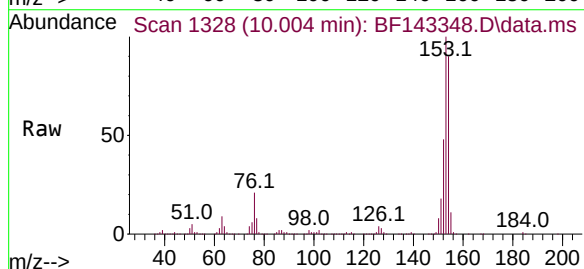
Tgt Ion:154 Resp: 844612

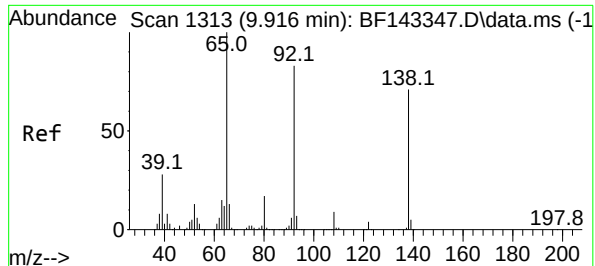
Ion Ratio Lower Upper

154 100

153 110.7 88.5 132.7

152 53.0 42.4 63.6





#53

3-Nitroaniline

Concen: 55.316 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

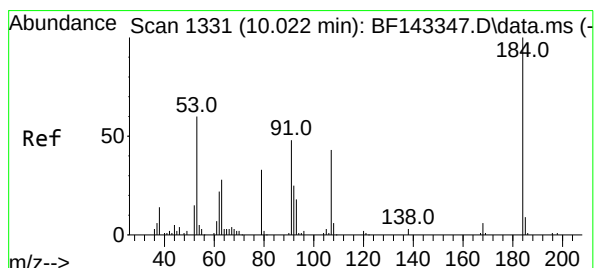
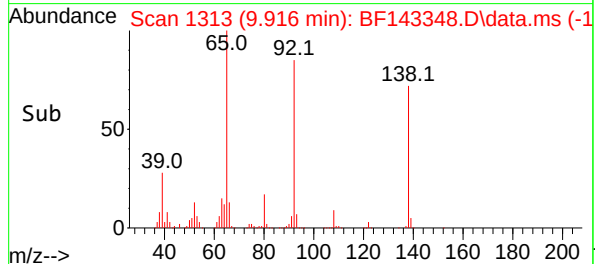
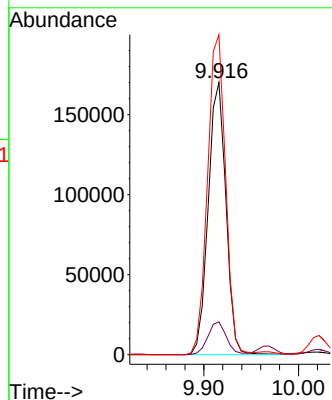
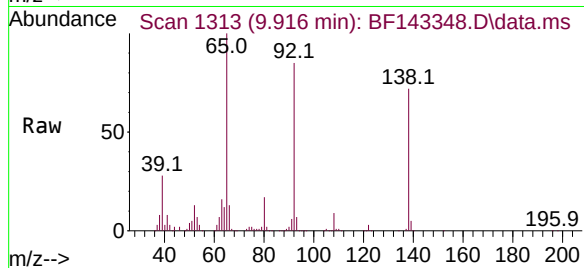
Tgt Ion:138 Resp: 220926

Ion Ratio Lower Upper

138 100

108 12.0 9.6 14.4

92 117.5 93.4 140.2



#54

2,4-Dinitrophenol

Concen: 49.460 ng

RT: 10.022 min Scan# 1331

Delta R.T. -0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

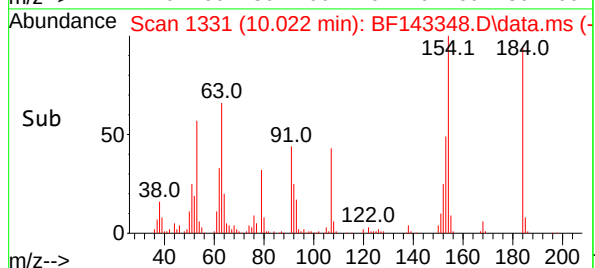
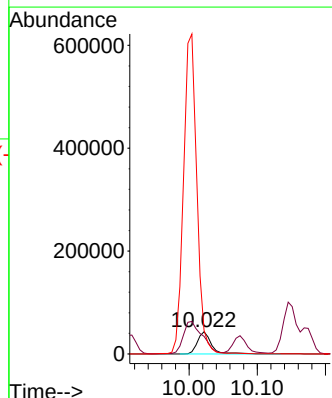
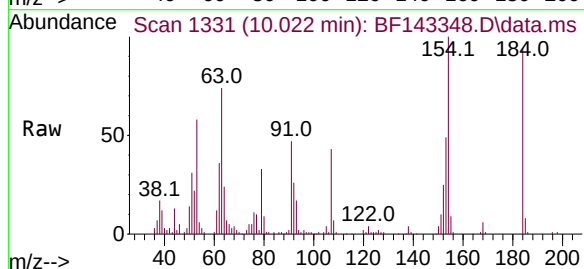
Tgt Ion:184 Resp: 61169

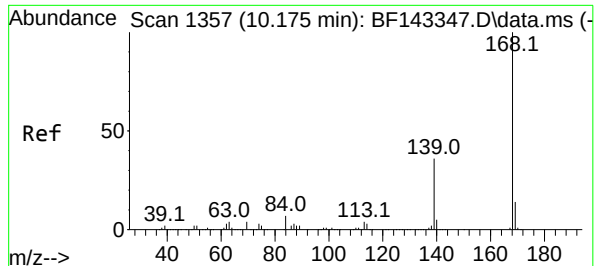
Ion Ratio Lower Upper

184 100

63 79.2 62.5 93.7

154 106.6 73.0 109.4





#55

Dibenzofuran

Concen: 46.725 ng

RT: 10.175 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

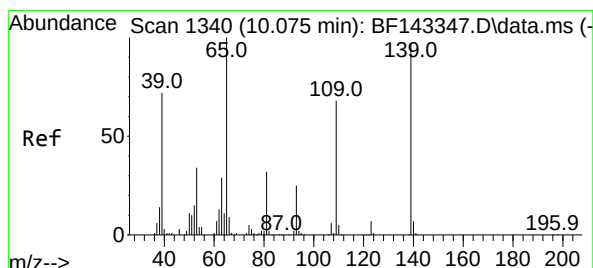
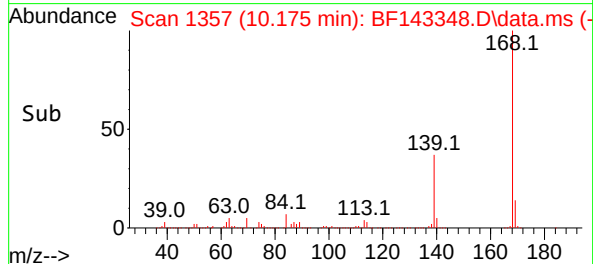
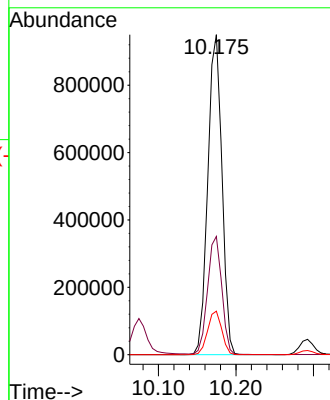
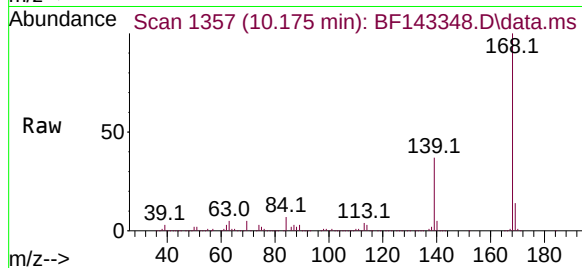
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:168 Resp: 1199947

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.4	44.0
169	13.6	11.0	16.6



#56

4-Nitrophenol

Concen: 49.286 ng

RT: 10.075 min Scan# 1340

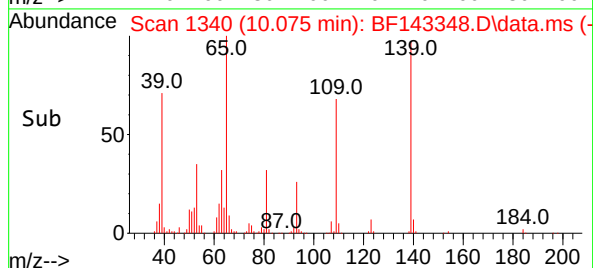
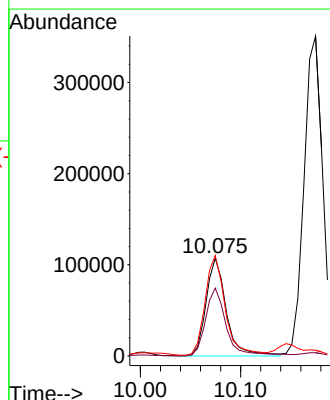
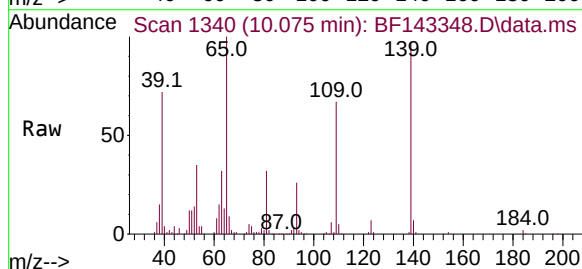
Delta R.T. -0.000 min

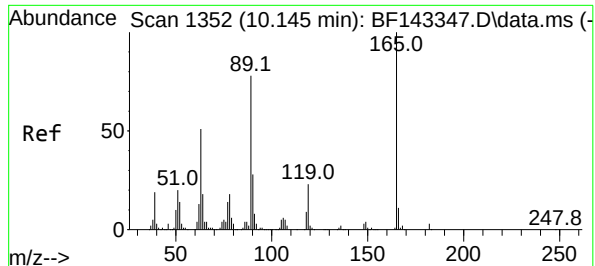
Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Tgt Ion:139 Resp: 150114

Ion	Ratio	Lower	Upper
139	100		
109	69.4	49.4	89.4
65	102.9	83.7	123.7

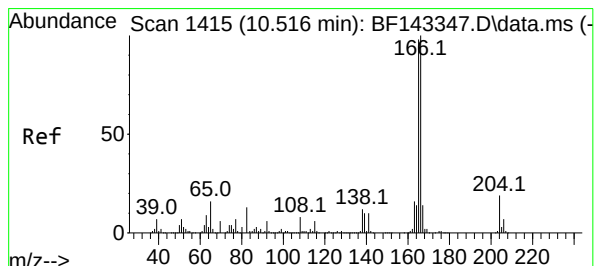
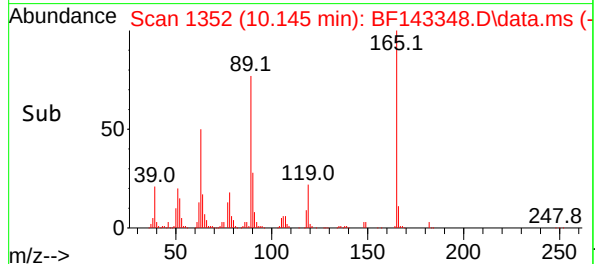
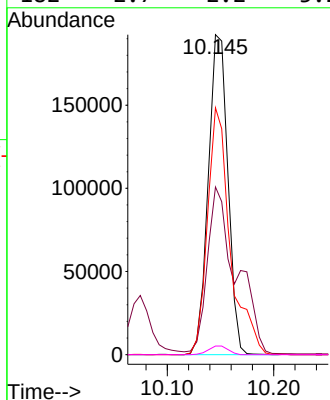
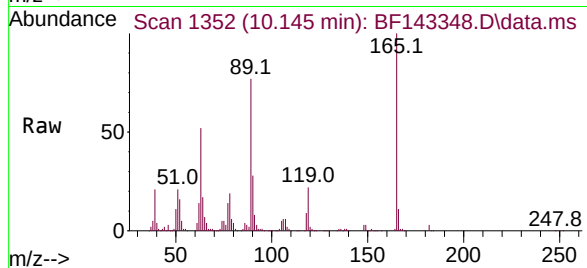




#57
2,4-Dinitrotoluene
Concen: 50.215 ng
RT: 10.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

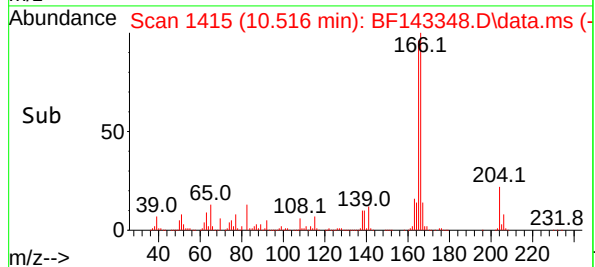
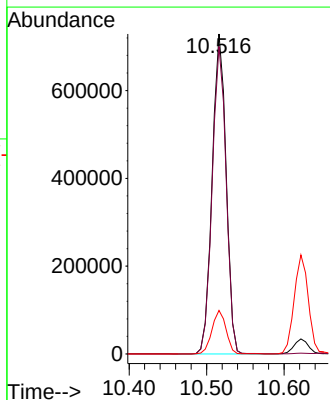
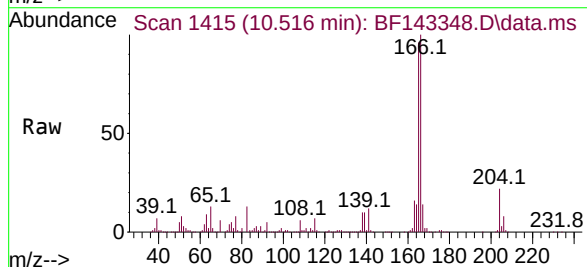
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

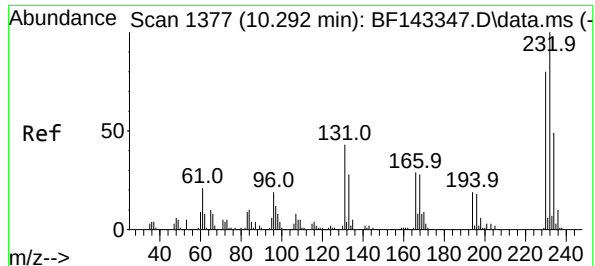
Tgt Ion:165 Resp: 246635
Ion Ratio Lower Upper
165 100
63 52.4 41.8 62.8
89 77.1 62.4 93.6
182 2.7 2.2 3.2



#58
Fluorene
Concen: 46.411 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:166 Resp: 910380
Ion Ratio Lower Upper
166 100
165 96.1 78.2 117.4
167 13.6 10.9 16.3

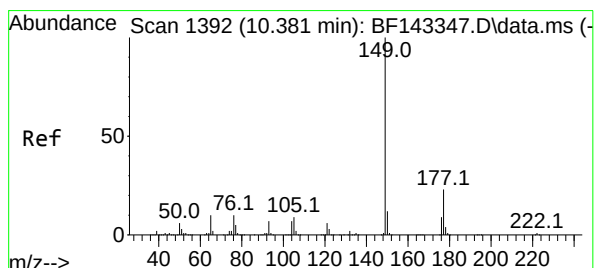
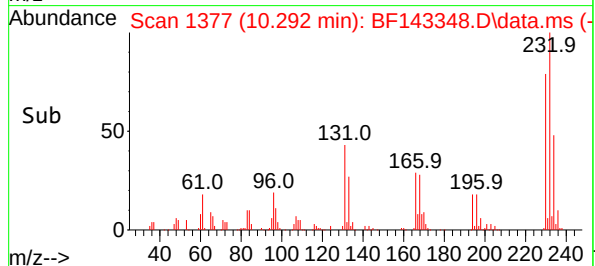
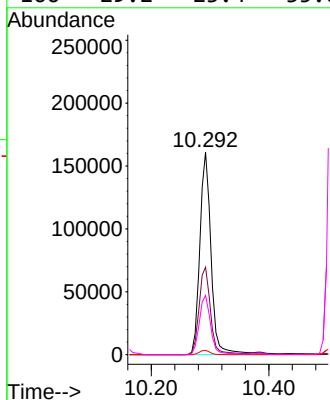
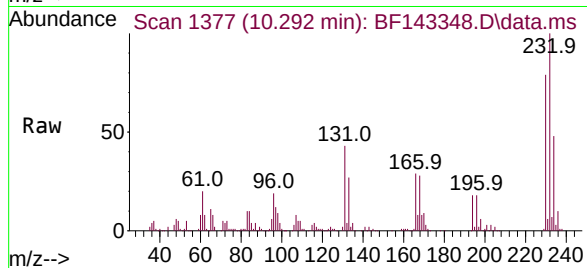




#59
2,3,4,6-Tetrachlorophenol
Concen: 54.543 ng
RT: 10.292 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

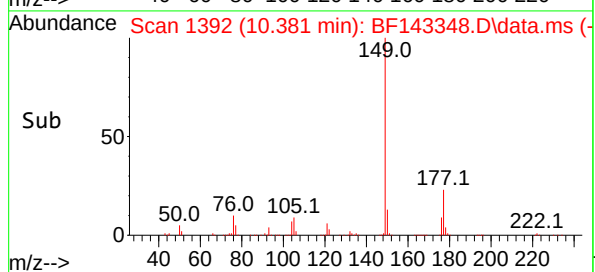
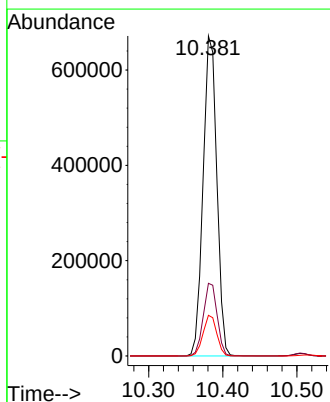
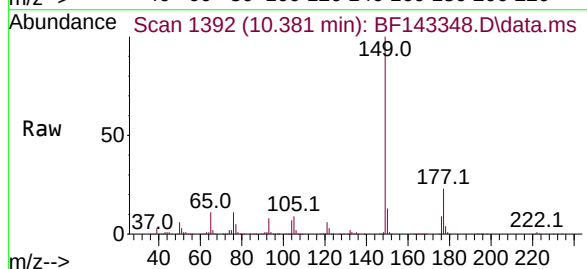
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

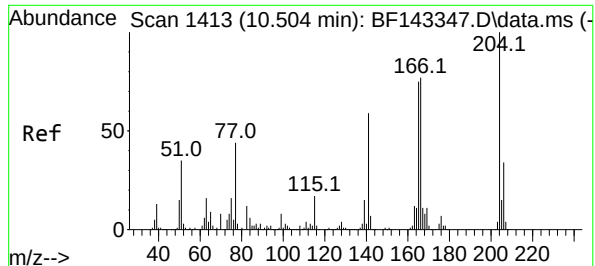
Tgt Ion:232 Resp: 215158
Ion Ratio Lower Upper
232 100
131 43.7 34.6 51.8
130 2.1 1.7 2.5
166 29.2 23.4 35.0



#60
Diethylphthalate
Concen: 49.540 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 865395
Ion Ratio Lower Upper
149 100
177 22.7 18.2 27.2
150 12.7 9.9 14.9

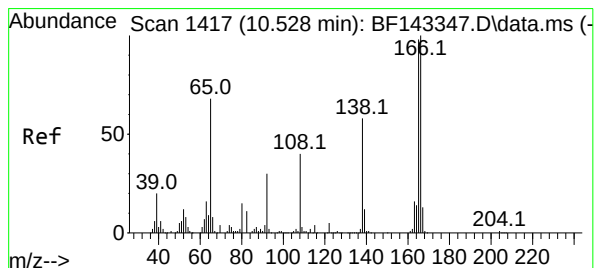
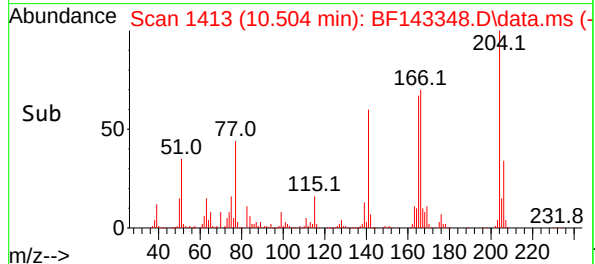
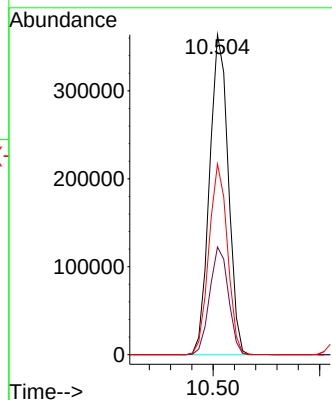
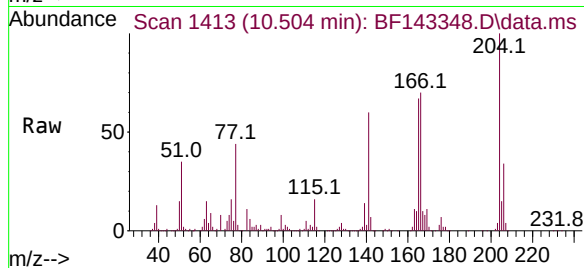




#61
4-Chlorophenyl-phenylether
Concen: 46.885 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

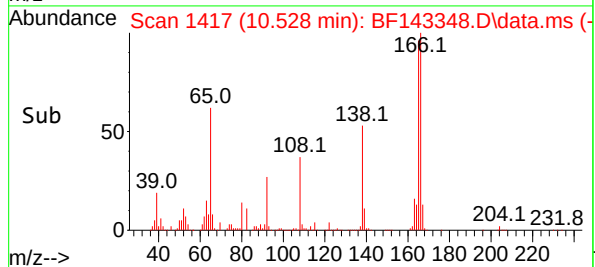
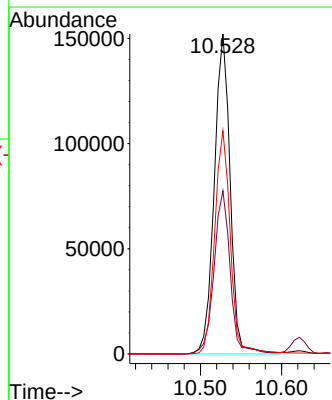
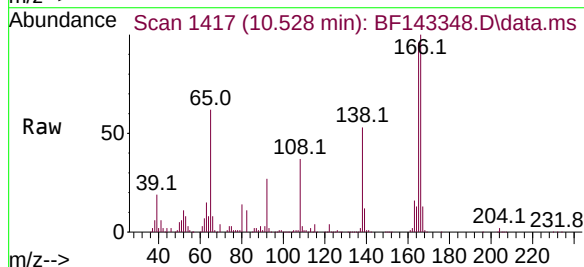
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

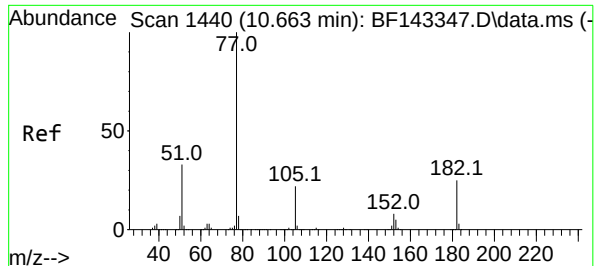
Tgt Ion:204 Resp: 444383
Ion Ratio Lower Upper
204 100
206 33.7 27.4 41.2
141 59.6 46.9 70.3



#62
4-Nitroaniline
Concen: 53.618 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:138 Resp: 207188
Ion Ratio Lower Upper
138 100
92 51.0 31.2 71.2
108 69.7 48.1 88.1

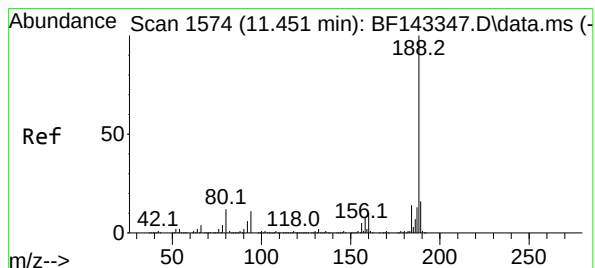
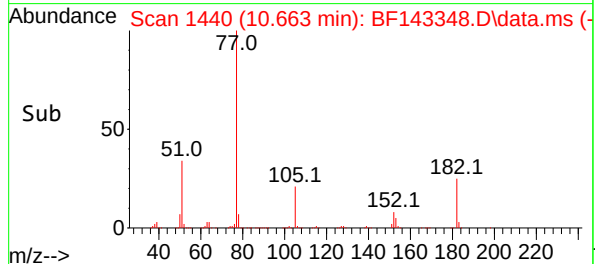
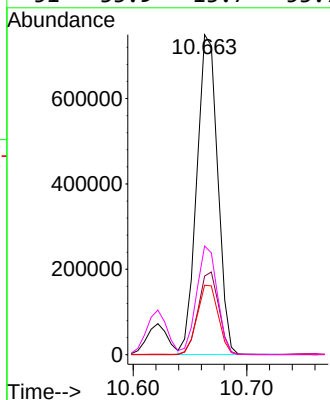
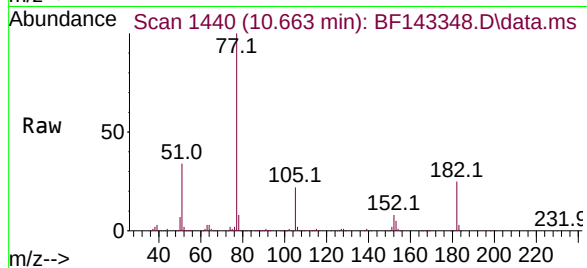




#63
Azobenzene
Concen: 47.978 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

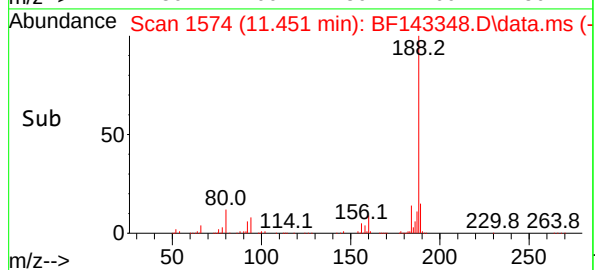
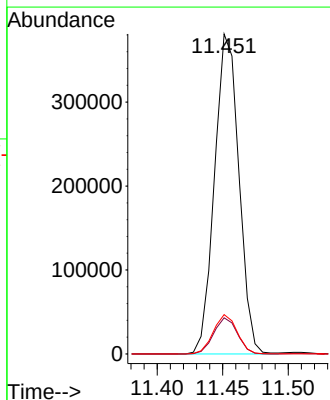
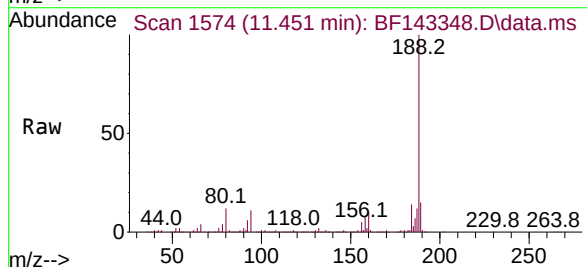
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

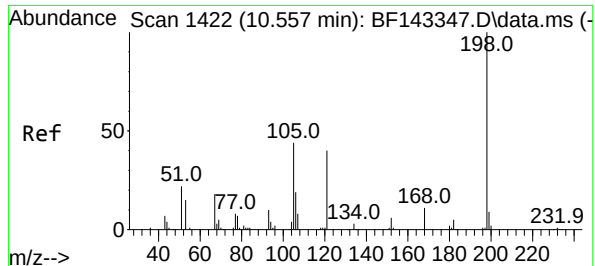
Tgt Ion:	77	Resp:	957306
Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.4	44.4
105	21.7	1.8	41.8
51	33.9	13.7	53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:	188	Resp:	492512
Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.8	13.2
80	12.3	9.7	14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 47.856 ng

RT: 10.563 min Scan# 1422

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

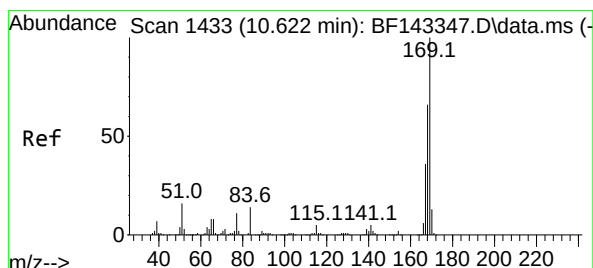
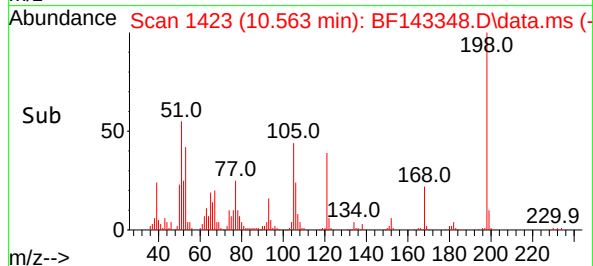
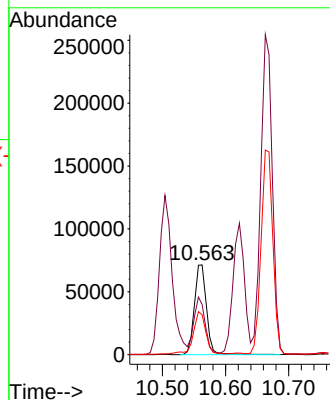
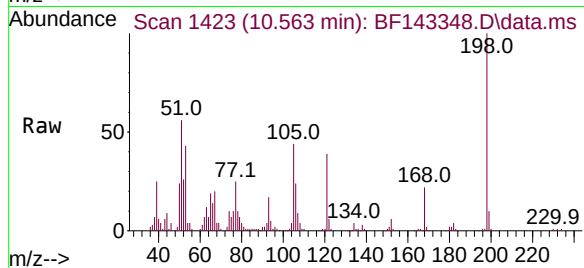
Tgt Ion:198 Resp: 95307

Ion Ratio Lower Upper

198 100

51 56.0 41.7 81.7

105 44.5 26.8 66.8



#66

n-Nitrosodiphenylamine

Concen: 48.549 ng

RT: 10.622 min Scan# 1433

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

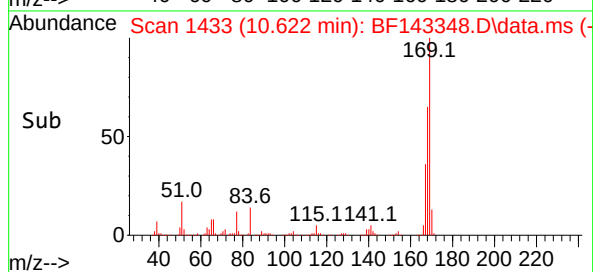
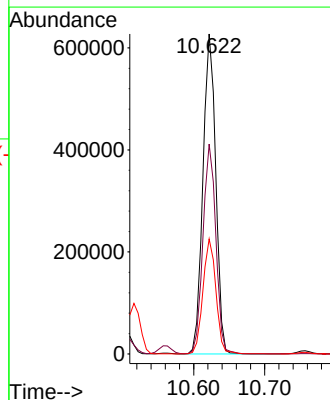
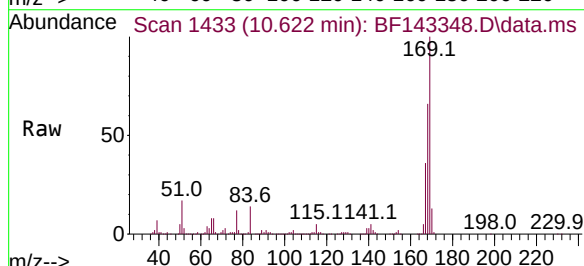
Tgt Ion:169 Resp: 787342

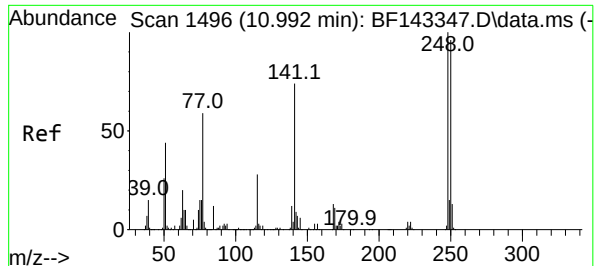
Ion Ratio Lower Upper

169 100

168 65.6 52.7 79.1

167 36.0 28.6 42.8

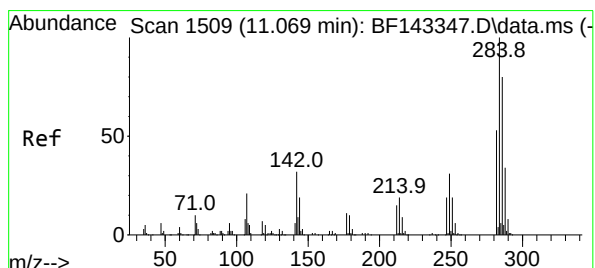
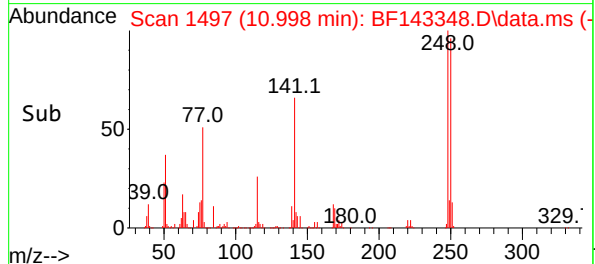
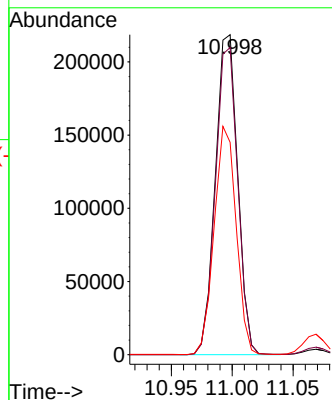
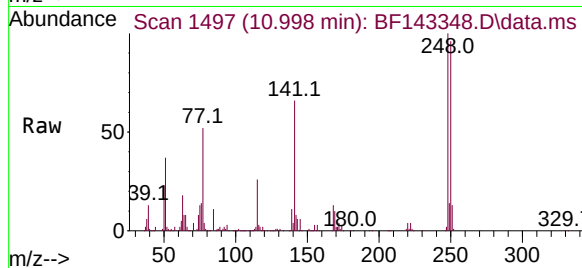




#67
4-Bromophenyl-phenylether
Concen: 49.660 ng
RT: 10.998 min Scan# 1497
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

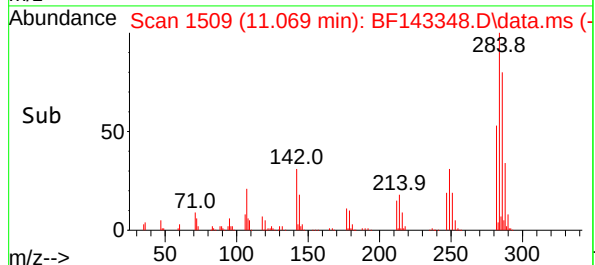
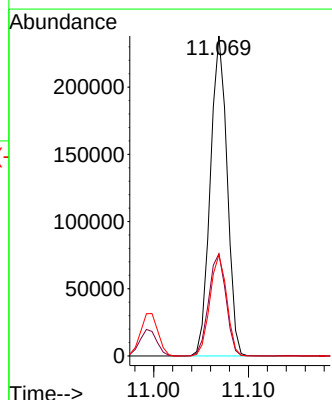
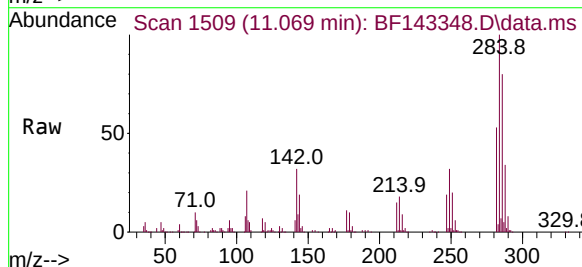
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

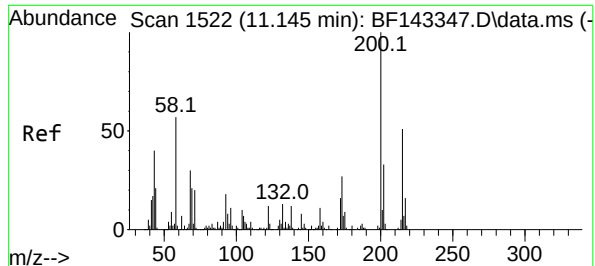
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.1	115.7
141	66.3	59.1	88.7



#68
Hexachlorobenzene
Concen: 48.079 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.0	25.7	38.5
249	31.6	24.6	37.0





#69

Atrazine

Concen: 52.254 ng

RT: 11.145 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

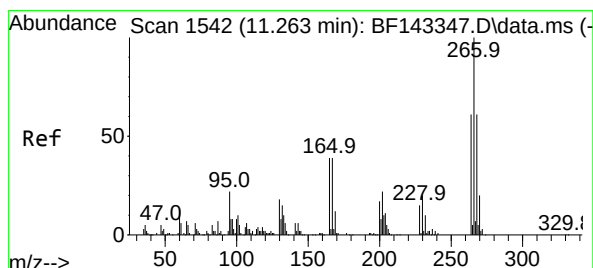
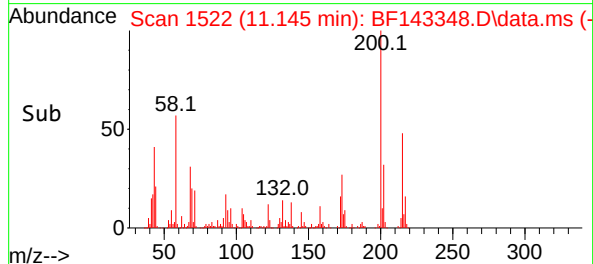
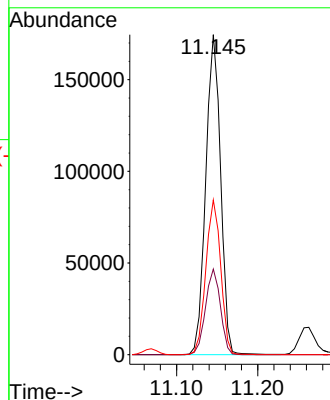
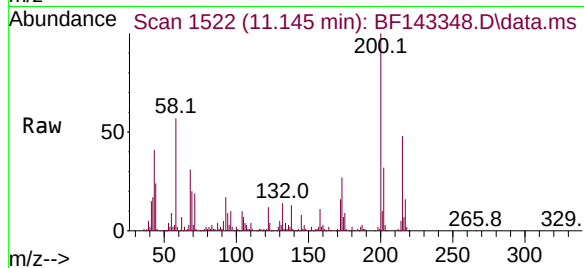
Tgt Ion:200 Resp: 221025

Ion Ratio Lower Upper

200 100

173 26.7 6.6 46.6

215 48.4 30.6 70.6



#70

Pentachlorophenol

Concen: 49.342 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

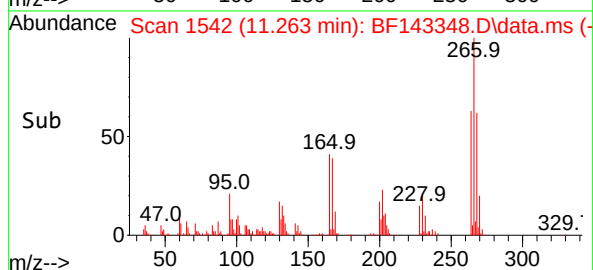
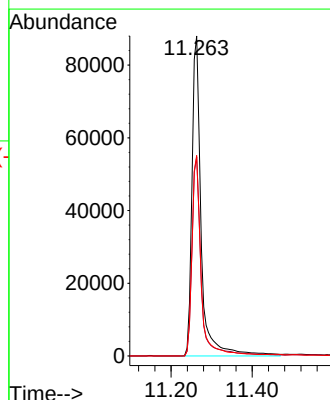
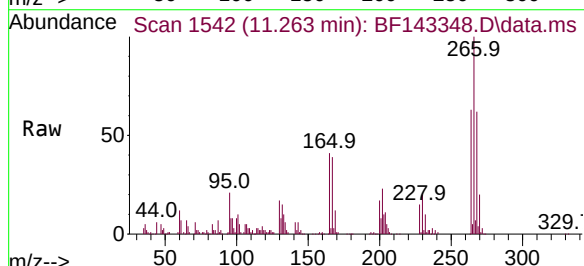
Tgt Ion:266 Resp: 139359

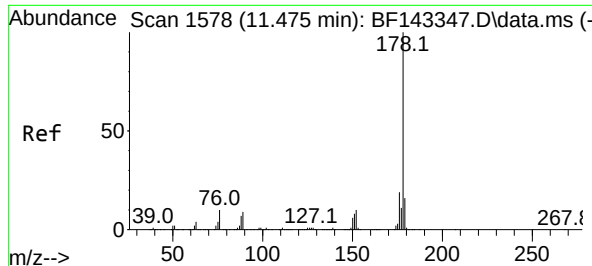
Ion Ratio Lower Upper

266 100

268 62.2 48.8 73.2

264 62.6 48.8 73.2

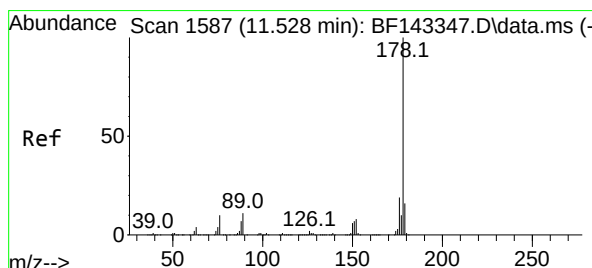
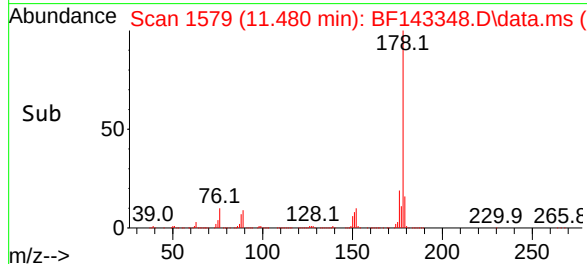
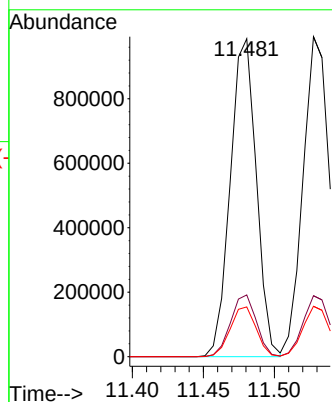
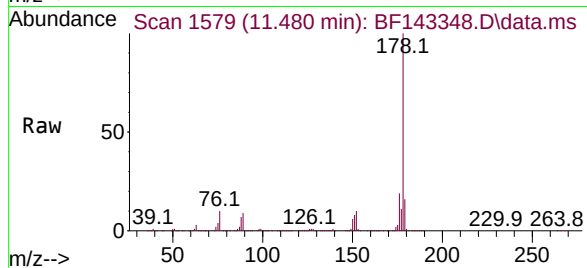




#71
Phenanthrene
Concen: 46.830 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

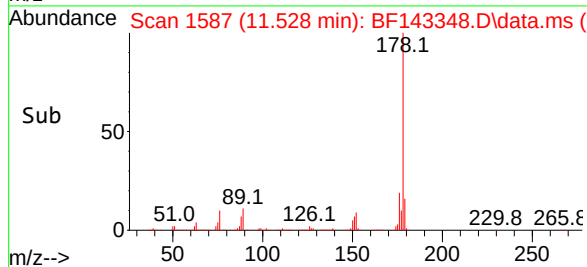
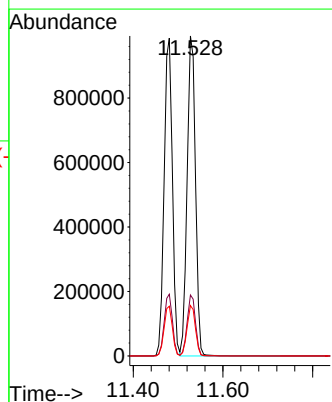
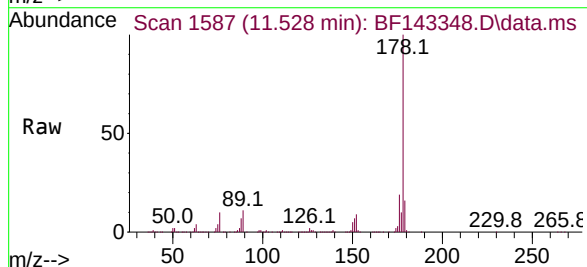
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

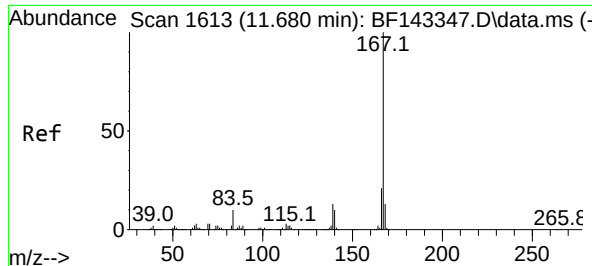
Tgt Ion:178 Resp: 1258386
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.7 12.5 18.7



#72
Anthracene
Concen: 47.123 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:178 Resp: 1284165
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.8 12.7 19.1

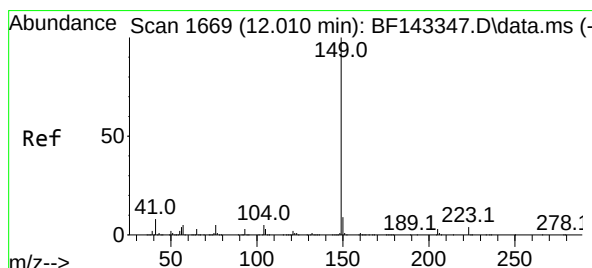
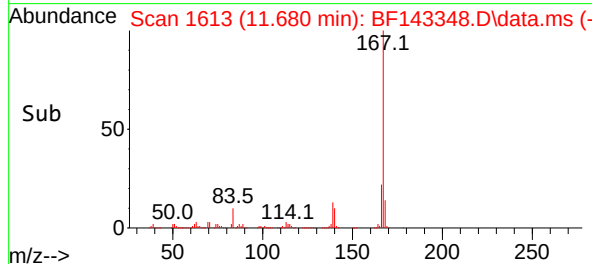
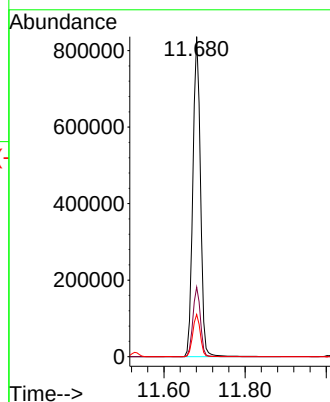
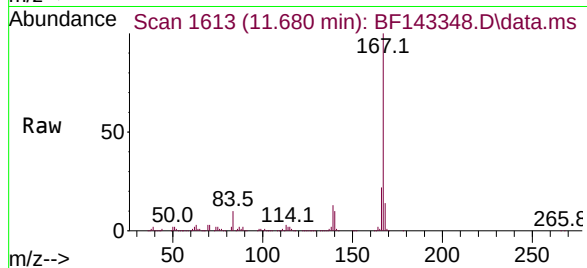




#73
Carbazole
Concen: 46.654 ng
RT: 11.680 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

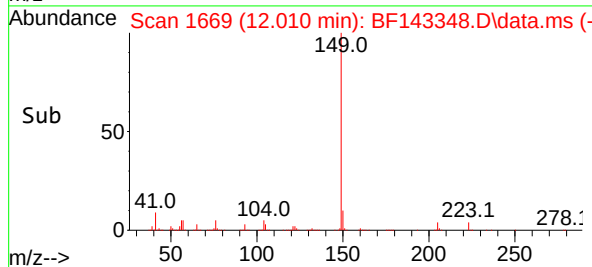
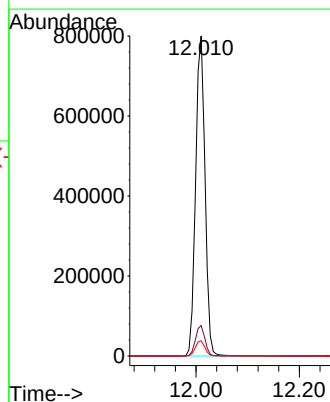
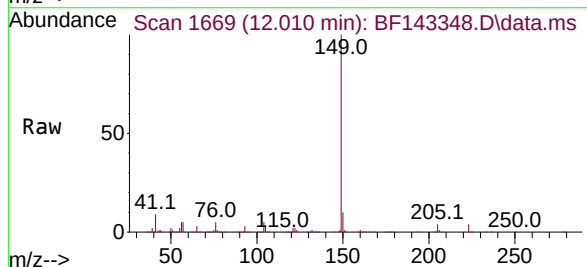
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

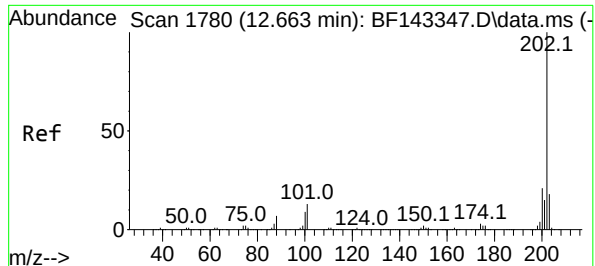
Tgt Ion:167 Resp: 1082772
Ion Ratio Lower Upper
167 100
166 21.8 16.8 25.2
139 13.2 10.2 15.2



#74
Di-n-butylphthalate
Concen: 51.345 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 1008389
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.0
104 4.8 3.8 5.8

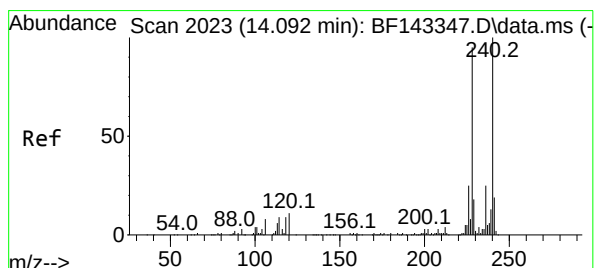
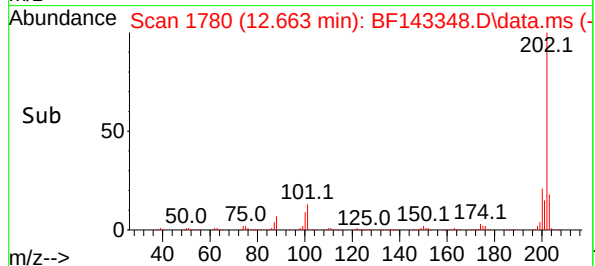
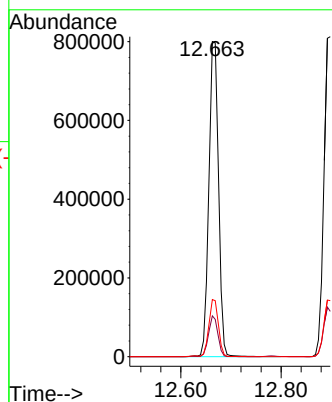
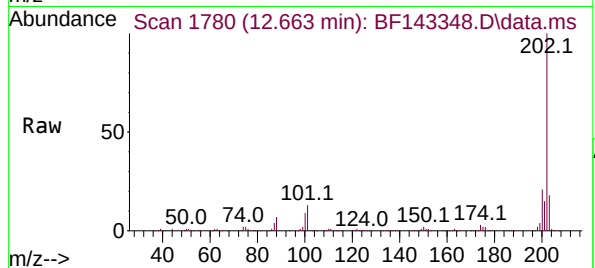




#75
Fluoranthene
Concen: 45.641 ng
RT: 12.663 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

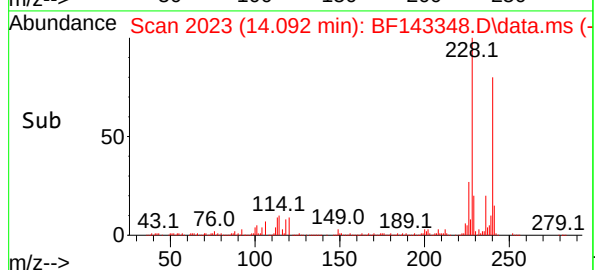
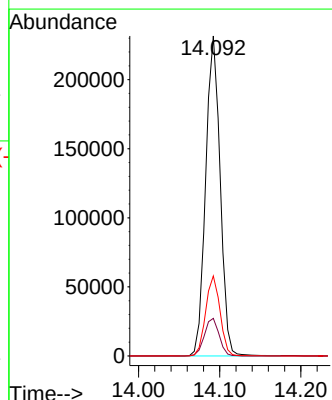
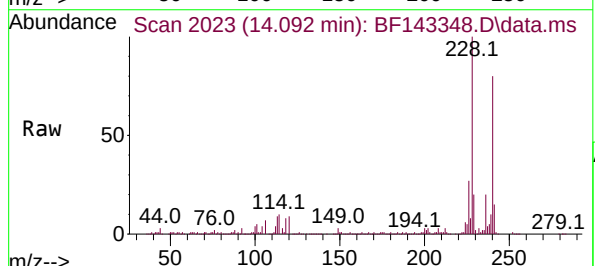
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

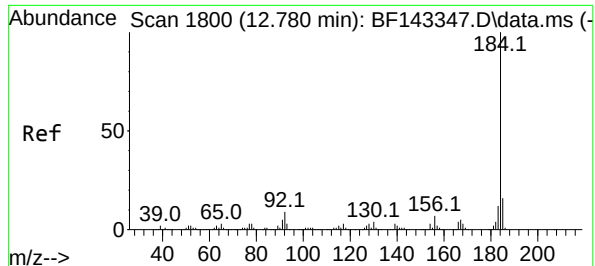
Tgt Ion:202 Resp: 1074315
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 18.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:240 Resp: 286106
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.6
236 25.0 19.9 29.9





#77

Benzidine

Concen: 50.186 ng

RT: 12.780 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

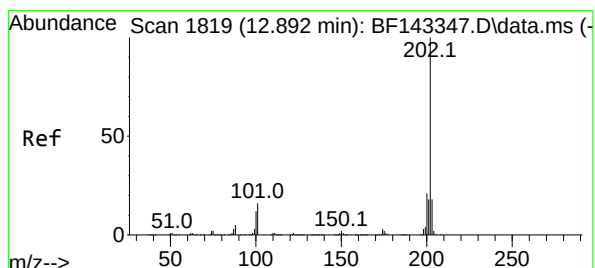
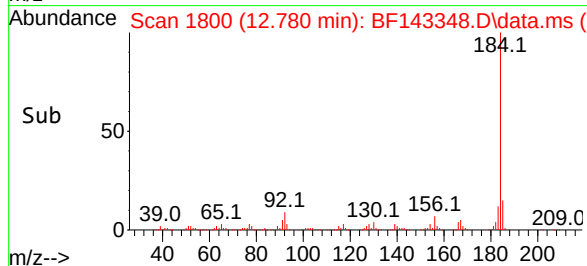
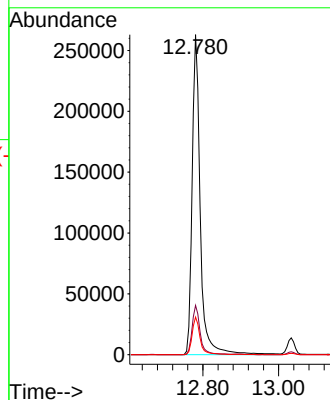
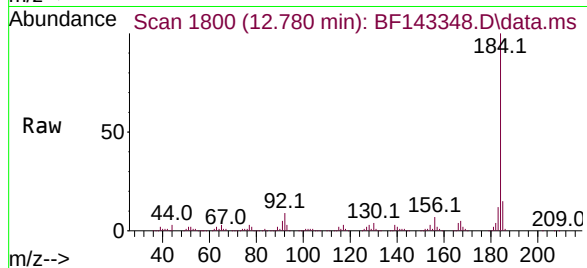
Tgt Ion:184 Resp: 392548

Ion Ratio Lower Upper

184 100

185 15.4 12.8 19.2

183 11.7 9.3 13.9



#78

Pyrene

Concen: 45.078 ng

RT: 12.898 min Scan# 1820

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

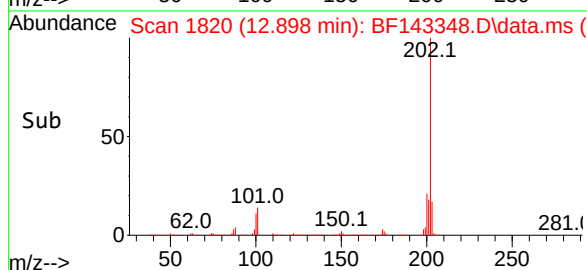
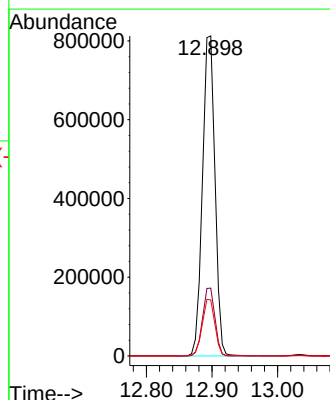
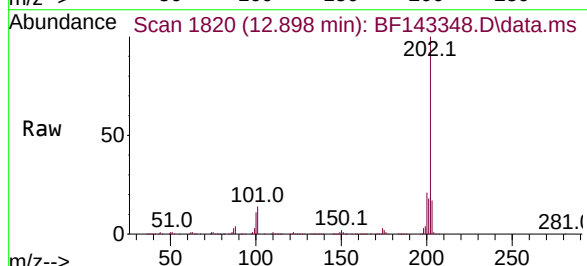
Tgt Ion:202 Resp: 1081940

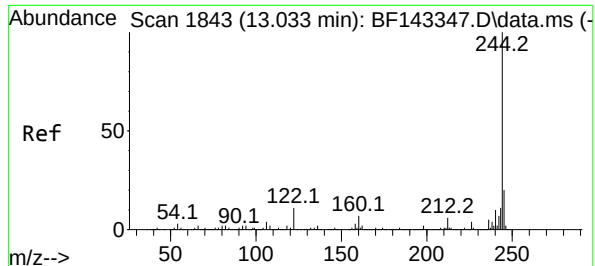
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 87.090 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

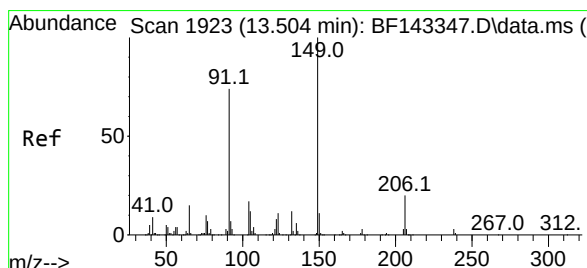
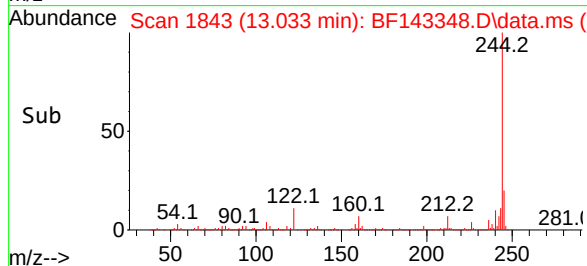
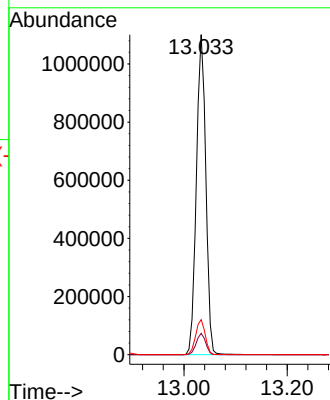
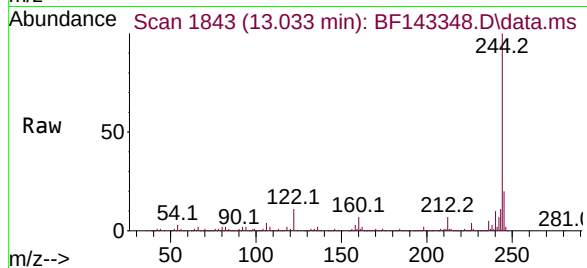
Tgt Ion:244 Resp: 1395642

Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 10.9 8.9 13.3



#80

Butylbenzylphthalate

Concen: 48.268 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

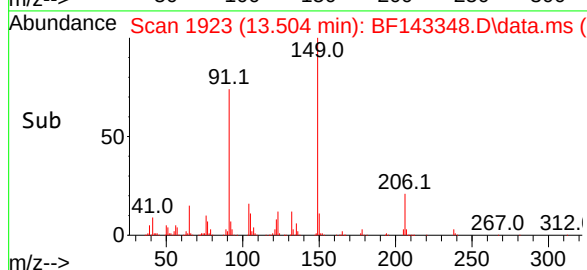
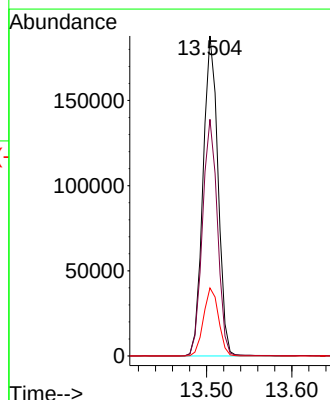
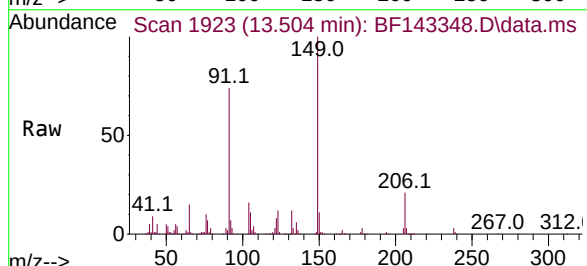
Tgt Ion:149 Resp: 229034

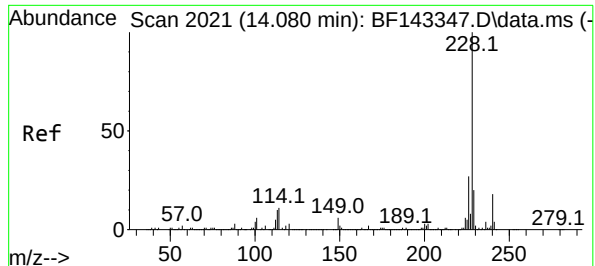
Ion Ratio Lower Upper

149 100

91 73.9 58.8 88.2

206 21.3 16.4 24.6

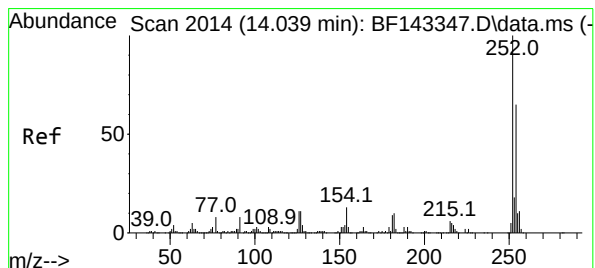
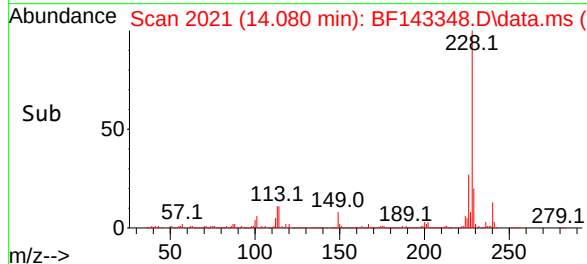
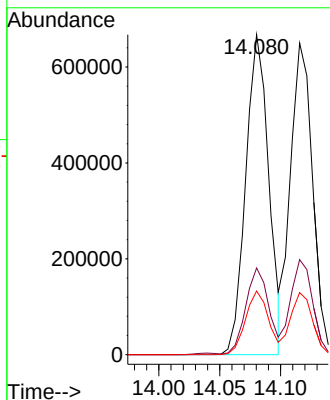
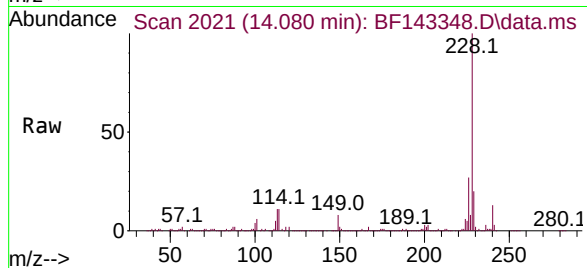




#81
Benzo(a)anthracene
Concen: 48.327 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

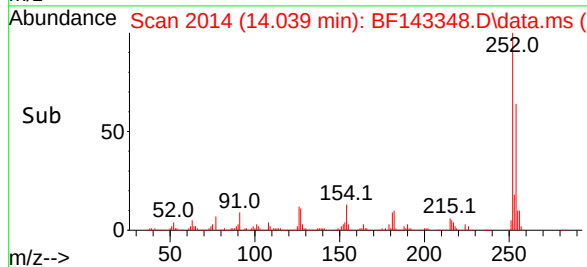
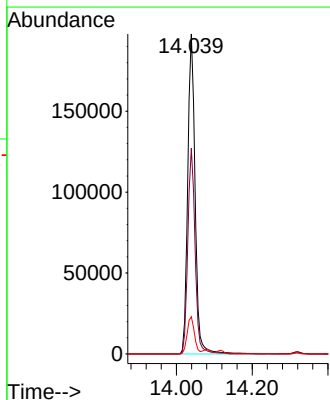
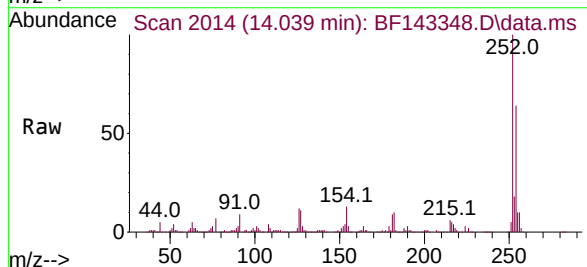
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

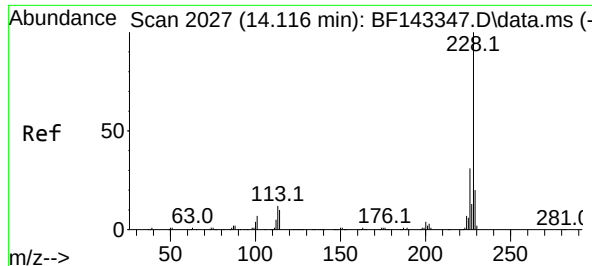
Tgt Ion:228 Resp: 878814
Ion Ratio Lower Upper
228 100
226 27.1 22.0 33.0
229 19.9 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 54.417 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:252 Resp: 267204
Ion Ratio Lower Upper
252 100
254 64.2 51.7 77.5
126 11.7 9.2 13.8

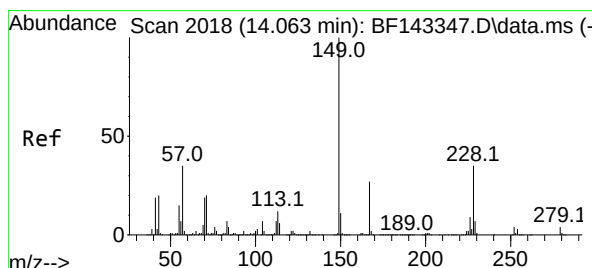
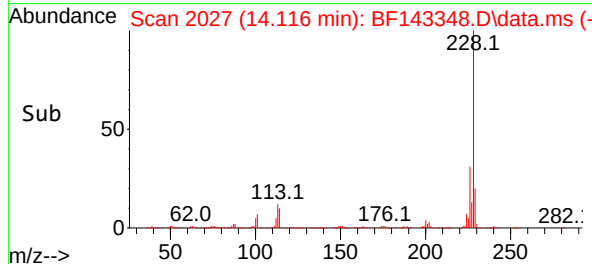
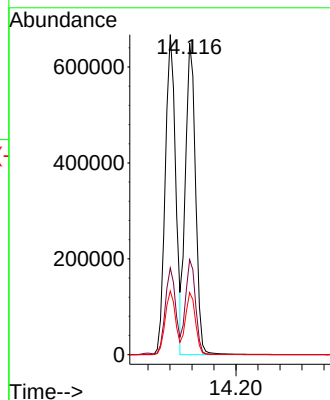
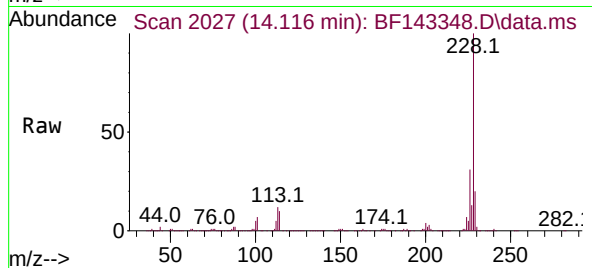




#83
Chrysene
Concen: 49.049 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

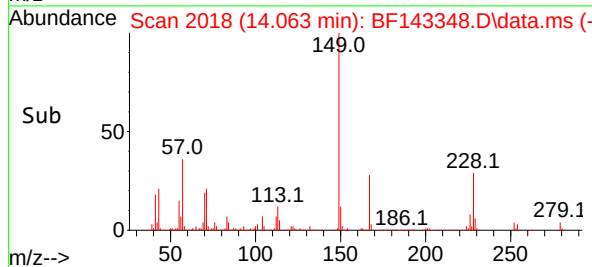
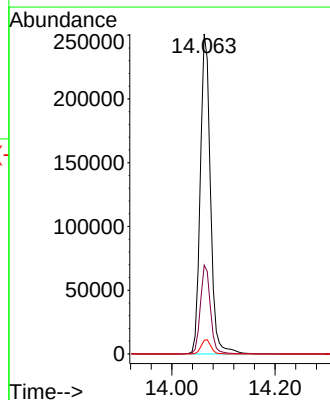
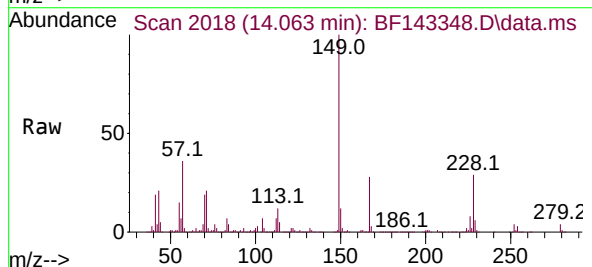
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

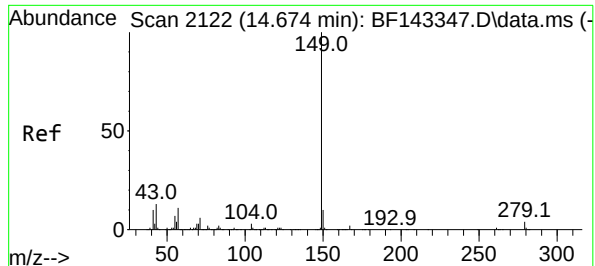
Tgt Ion:228 Resp: 831682
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 19.9 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 48.921 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 341876
Ion Ratio Lower Upper
149 100
167 27.7 21.4 32.0
279 4.3 3.2 4.8

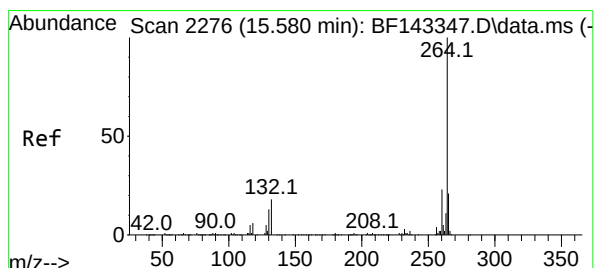
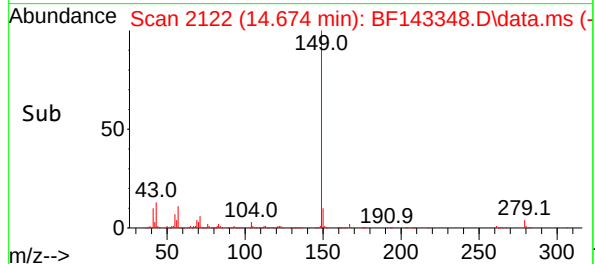
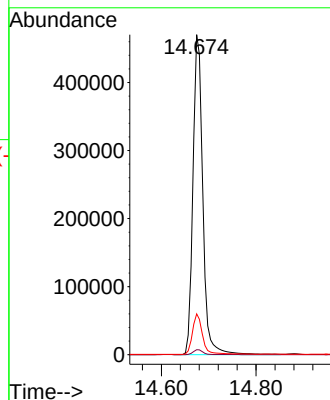
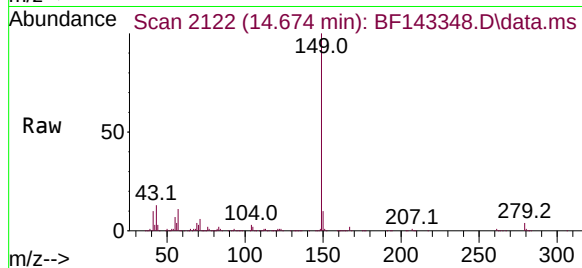




#85
Di-n-octyl phthalate
Concen: 48.572 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

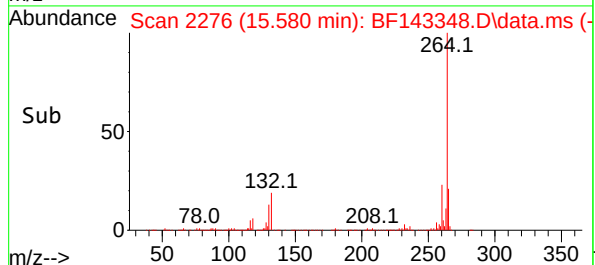
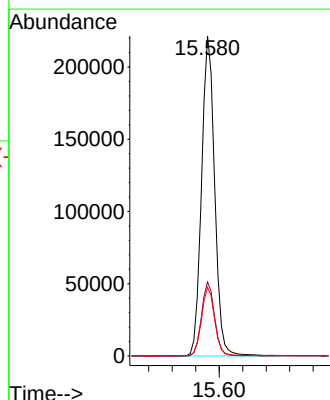
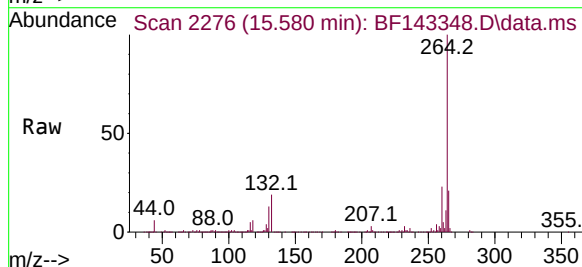
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

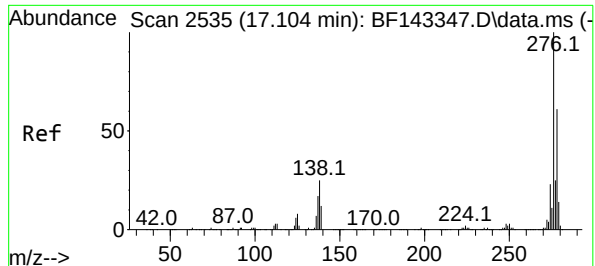
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.1	10.8	16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.4	17.2	25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.566 ng

RT: 17.110 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

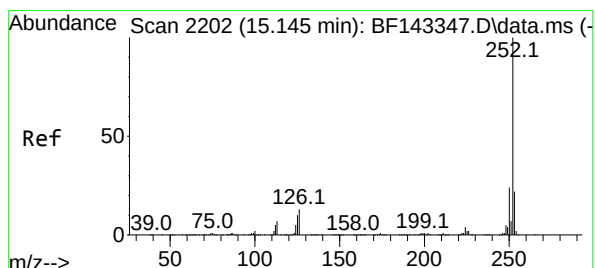
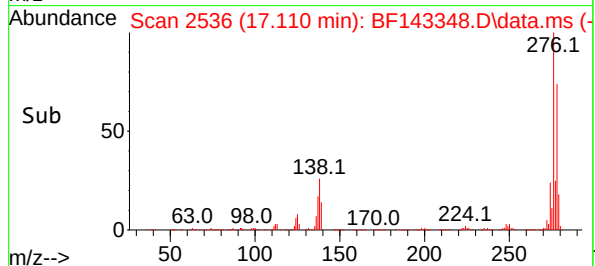
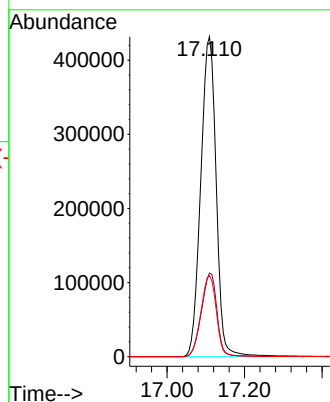
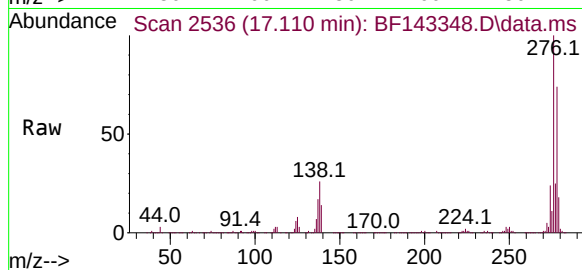
Tgt Ion:276 Resp: 1191556

Ion Ratio Lower Upper

276 100

138 26.3 21.1 31.7

277 25.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 47.812 ng

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

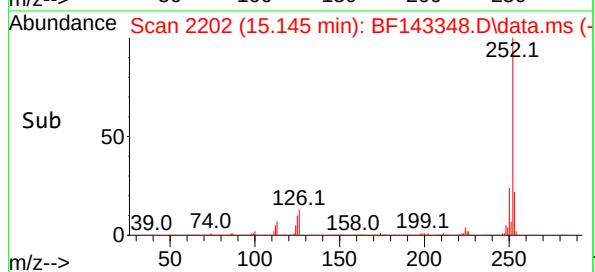
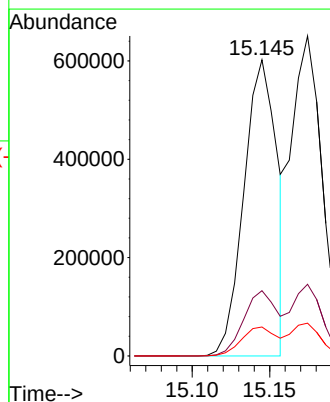
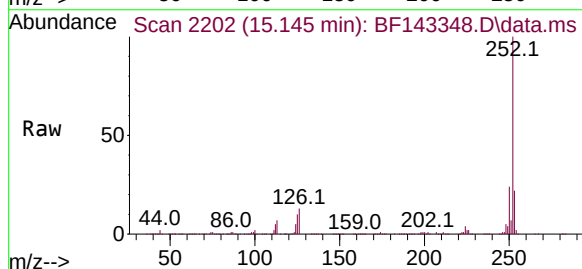
Tgt Ion:252 Resp: 895570

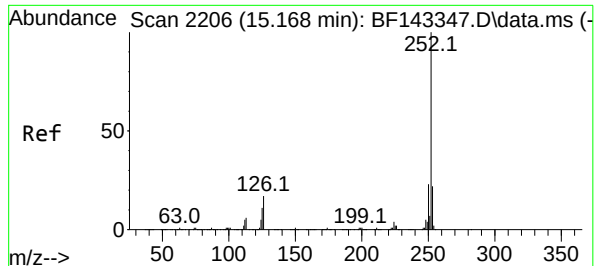
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 9.8 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 49.555 ng

RT: 15.174 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

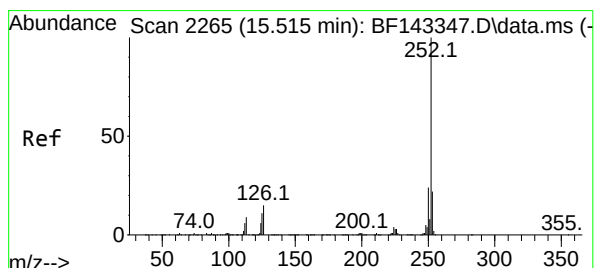
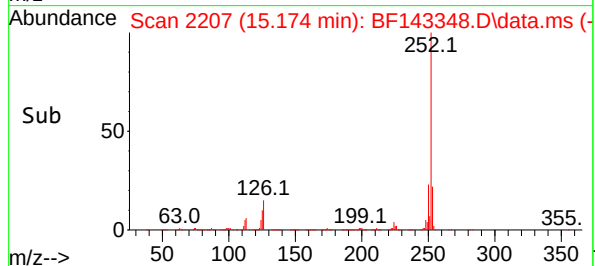
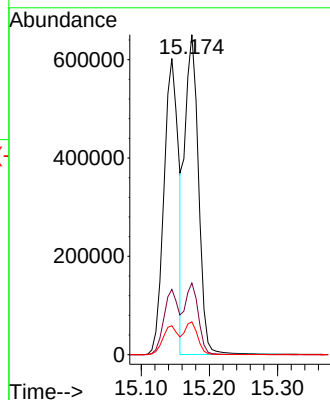
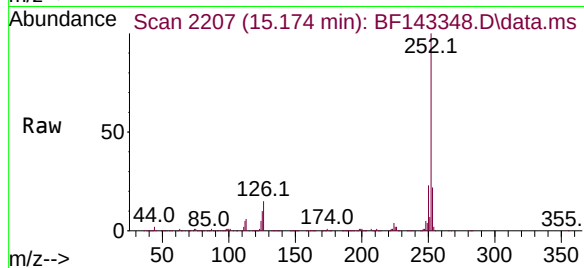
Tgt Ion:252 Resp: 901937

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.3 8.4 12.6



#90

Benzo(a)pyrene

Concen: 49.098 ng

RT: 15.521 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

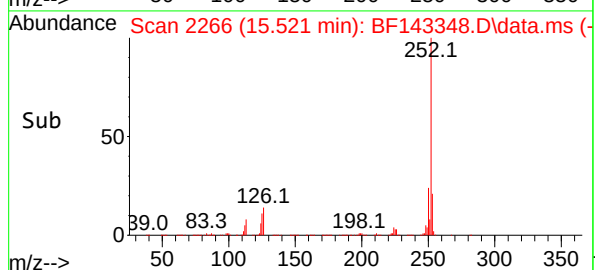
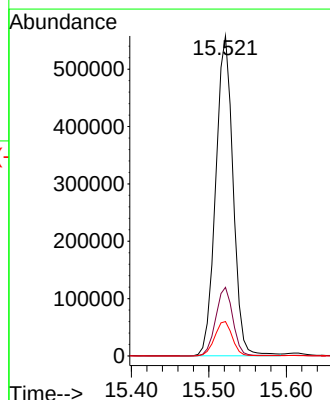
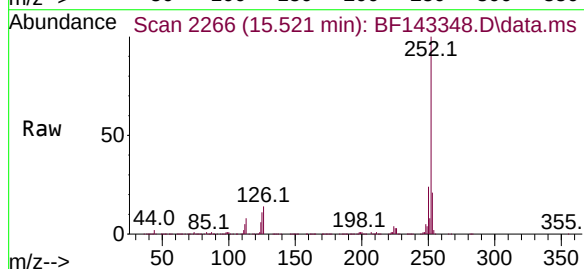
Tgt Ion:252 Resp: 866161

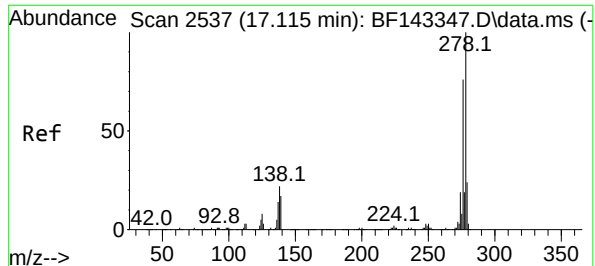
Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

125 10.7 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 48.855 ng

RT: 17.121 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

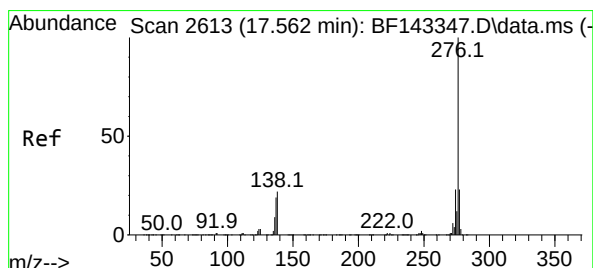
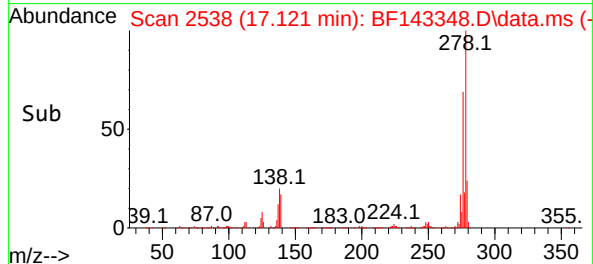
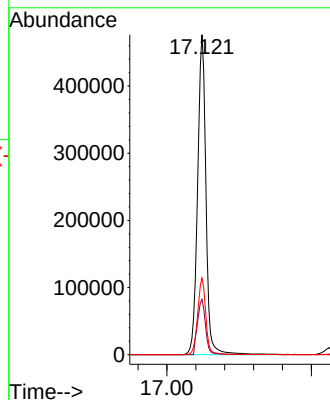
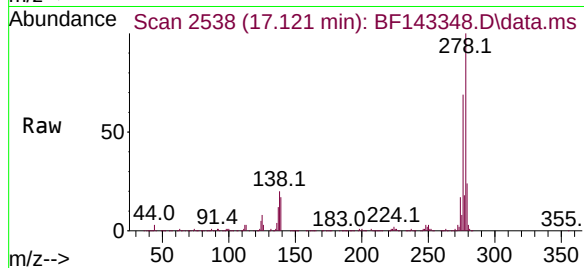
Tgt Ion:278 Resp: 957602

Ion Ratio Lower Upper

278 100

139 17.3 14.0 21.0

279 23.9 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 48.732 ng

RT: 17.568 min Scan# 2614

Delta R.T. 0.006 min

Lab File: BF143348.D

Acq: 12 Aug 2025 11:37

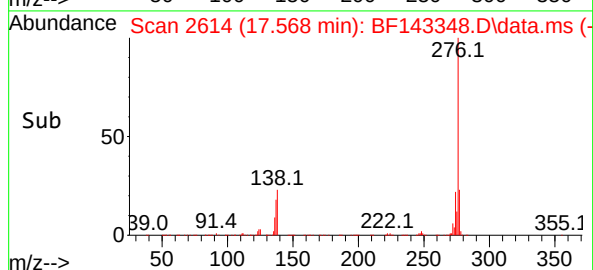
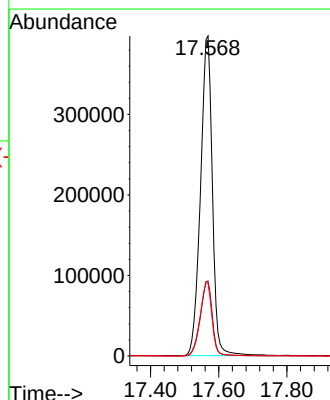
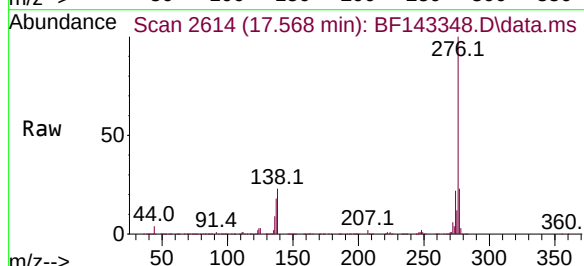
Tgt Ion:276 Resp: 962236

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 22.6 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143349.D
 Acq On : 12 Aug 2025 12:07
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 12 13:20:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	161554	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	611608	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	320321	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	460173	20.000	ng	0.00
76) Chrysene-d12	14.092	240	273246	20.000	ng	0.00
86) Perylene-d12	15.586	264	337675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	1115976	119.453	ng	0.00
7) Phenol-d6	6.569	99	1429946	119.357	ng	0.00
23) Nitrobenzene-d5	7.492	82	1251642	127.441	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	314370	134.290	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	2021003	106.990	ng	0.00
79) Terphenyl-d14	13.033	244	1568868	102.507	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.763	88	296653	61.364	ng	100
3) Pyridine	3.534	79	808240	62.740	ng	99
4) n-Nitrosodimethylamine	3.481	42	375923	62.645	ng	99
6) Aniline	6.592	93	996754	59.015	ng	# 88
8) 2-Chlorophenol	6.722	128	616100	61.717	ng	98
9) Benzaldehyde	6.481	77	387880	48.985	ng	100
10) Phenol	6.581	94	840504	59.221	ng	91
11) bis(2-Chloroethyl)ether	6.663	93	619725	59.247	ng	99
12) 1,3-Dichlorobenzene	6.875	146	671800	58.344	ng	99
13) 1,4-Dichlorobenzene	6.951	146	661936	57.278	ng	100
14) 1,2-Dichlorobenzene	7.104	146	634447	57.835	ng	100
15) Benzyl Alcohol	7.075	79	531507	61.891	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	1077772	57.714	ng	93
17) 2-Methylphenol	7.186	107	513134	60.895	ng	98
18) Hexachloroethane	7.445	117	225784	62.318	ng	100
19) n-Nitroso-di-n-propyla...	7.345	70	423943	57.269	ng	99
20) 3+4-Methylphenols	7.339	107	594674	58.354	ng	99
22) Acetophenone	7.339	105	765201	56.784	ng	98
24) Nitrobenzene	7.516	77	672780	63.075	ng	99
25) Isophorone	7.751	82	1195220	59.613	ng	99
26) 2-Nitrophenol	7.828	139	276412	63.401	ng	100
27) 2,4-Dimethylphenol	7.863	122	522594	62.476	ng	100
28) bis(2-Chloroethoxy)met...	7.957	93	726373	59.338	ng	99
29) 2,4-Dichlorophenol	8.075	162	512513	62.732	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	510824	59.275	ng	99
31) Naphthalene	8.239	128	1682766	57.179	ng	100
32) Benzoic acid	7.986	122	248714	62.282	ng	99
33) 4-Chloroaniline	8.281	127	632256	59.564	ng	99
34) Hexachlorobutadiene	8.357	225	314445	58.655	ng	99
35) Caprolactam	8.657	113	148587	64.696	ng	96
36) 4-Chloro-3-methylphenol	8.763	107	525032	61.301	ng	99
37) 2-Methylnaphthalene	8.928	142	1088275	56.249	ng	98
38) 1-Methylnaphthalene	9.028	142	1052909	56.505	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	516108	58.880	ng	99
41) Hexachlorocyclopentadiene	9.080	237	184941	61.485	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	330076	66.369	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143349.D
 Acq On : 12 Aug 2025 12:07
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 12 13:20:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

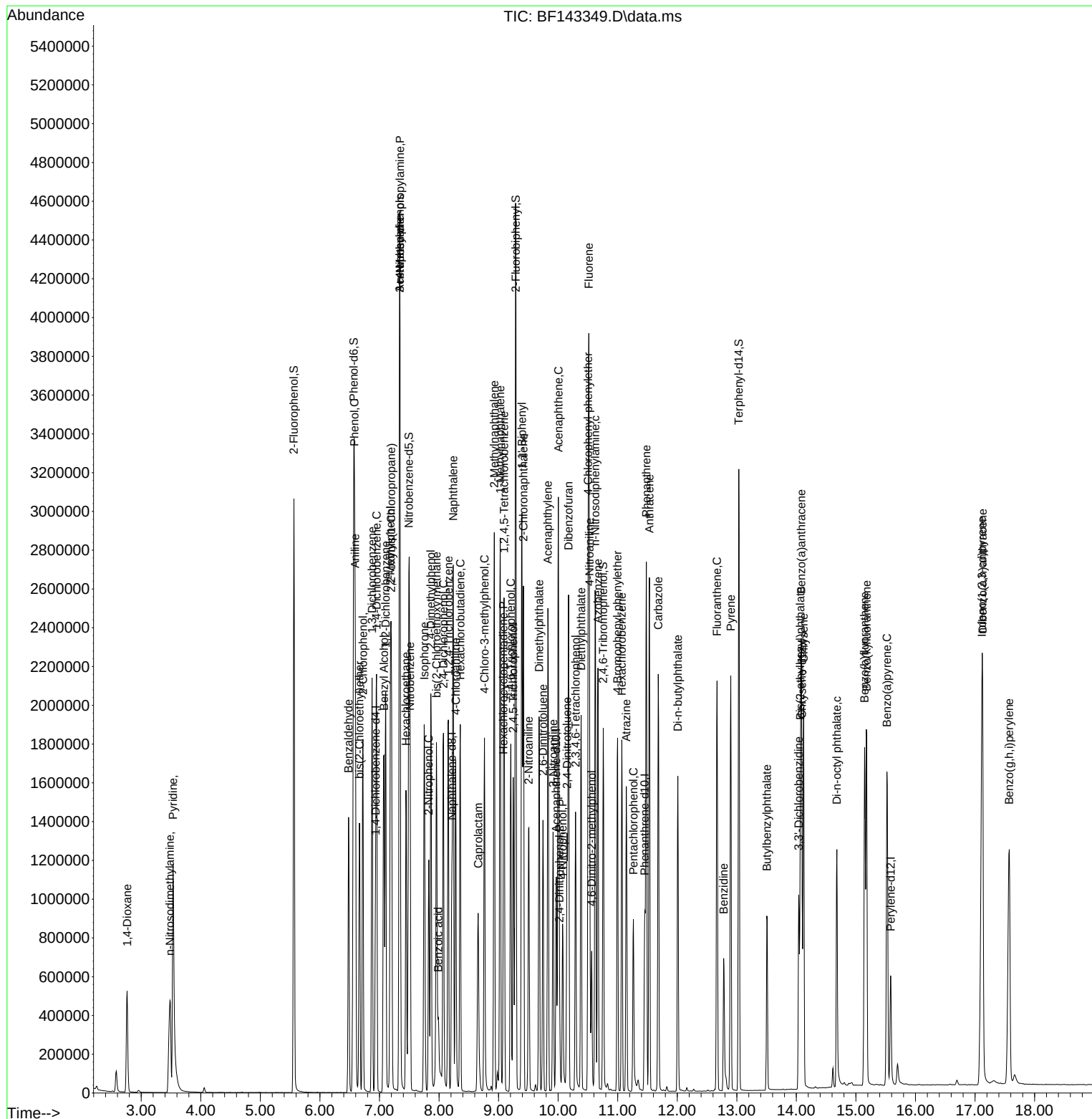
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	355498	63.299	ng	98
46) 1,1'-Biphenyl	9.392	154	1282862	56.642	ng	99
47) 2-Chloronaphthalene	9.416	162	1038548	58.223	ng	99
48) 2-Nitroaniline	9.504	65	322909	61.917	ng	98
49) Acenaphthylene	9.828	152	1481001	57.494	ng	99
50) Dimethylphthalate	9.680	163	1125050	60.109	ng	99
51) 2,6-Dinitrotoluene	9.745	165	224724	62.496	ng	99
52) Acenaphthene	10.004	154	977067	57.055	ng	99
53) 3-Nitroaniline	9.916	138	270085	70.462	ng	99
54) 2,4-Dinitrophenol	10.022	184	82451	62.319	ng #	77
55) Dibenzofuran	10.175	168	1389556	56.379	ng	99
56) 4-Nitrophenol	10.075	139	186307	62.130	ng	99
57) 2,4-Dinitrotoluene	10.151	165	295520	61.944	ng	95
58) Fluorene	10.516	166	1046138	55.570	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	265201	70.050	ng	99
60) Diethylphthalate	10.386	149	990716	59.094	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	515436	56.664	ng	99
62) 4-Nitroaniline	10.527	138	242938	65.508	ng	98
63) Azobenzene	10.669	77	1104323	57.669	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	119734	61.844	ng	98
66) n-Nitrosodiphenylamine	10.622	169	898967	59.328	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	318696	60.555	ng	98
68) Hexachlorobenzene	11.069	284	341976	60.282	ng	100
69) Atrazine	11.145	200	250602	63.410	ng	98
70) Pentachlorophenol	11.263	266	165675	61.169	ng	98
71) Phenanthrene	11.480	178	1426848	56.831	ng	99
72) Anthracene	11.533	178	1459751	57.330	ng	100
73) Carbazole	11.680	167	1232939	56.857	ng	99
74) Di-n-butylphthalate	12.010	149	1127365	61.437	ng	100
75) Fluoranthene	12.669	202	1181812	53.737	ng	99
77) Benzidine	12.780	184	419198	56.115	ng	99
78) Pyrene	12.898	202	1196849	52.212	ng	100
80) Butylbenzylphthalate	13.504	149	283998	61.669	ng	98
81) Benzo(a)anthracene	14.080	228	1072649	61.763	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	313084	66.762	ng	99
83) Chrysene	14.121	228	937047	57.863	ng	100
84) Bis(2-ethylhexyl)phtha...	14.068	149	426553	62.688	ng	98
85) Di-n-octyl phthalate	14.680	149	856960	62.516	ng	99
87) Indeno(1,2,3-cd)pyrene	17.115	276	1462168	60.440	ng	100
88) Benzo(b)fluoranthene	15.145	252	1161807	62.905	ng	99
89) Benzo(k)fluoranthene	15.180	252	1035022	57.673	ng	99
90) Benzo(a)pyrene	15.521	252	1052580	60.510	ng	100
91) Dibenzo(a,h)anthracene	17.127	278	1170363	60.556	ng	99
92) Benzo(g,h,i)perylene	17.574	276	1182985	60.761	ng	99

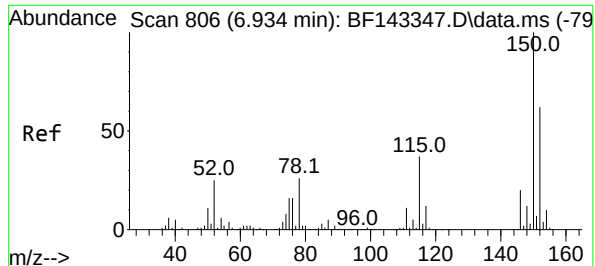
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143349.D
Acq On : 12 Aug 2025 12:07
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 12 13:20:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

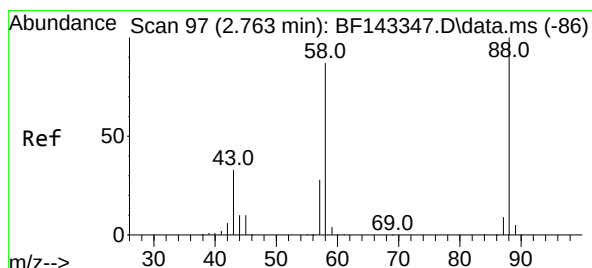
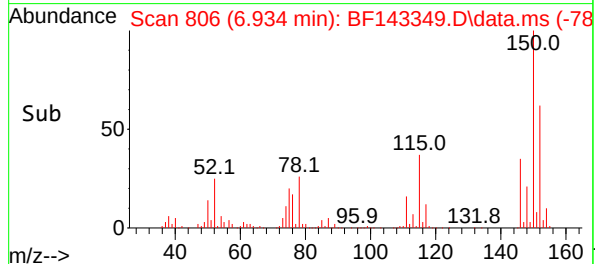
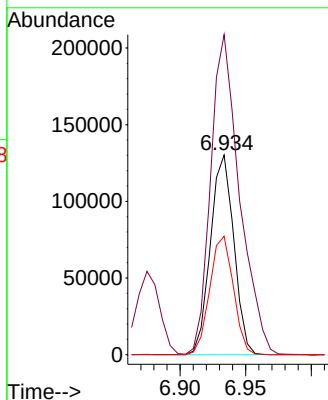
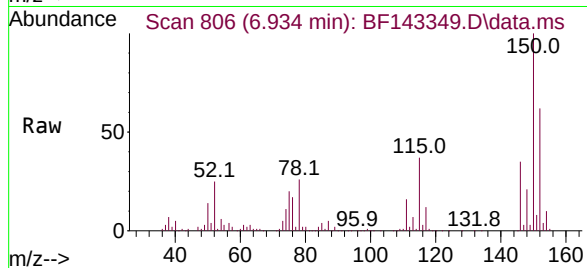




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

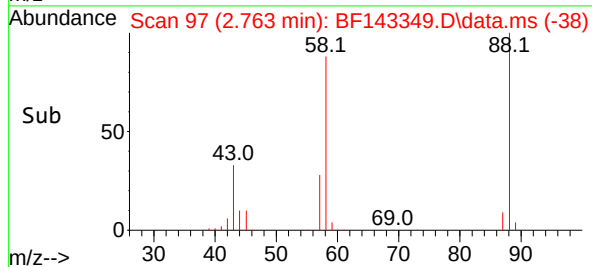
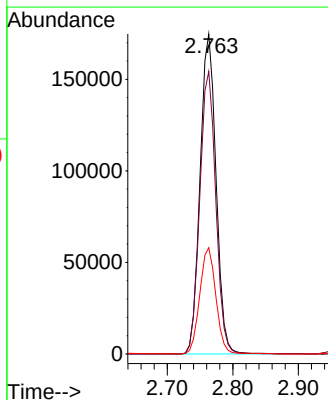
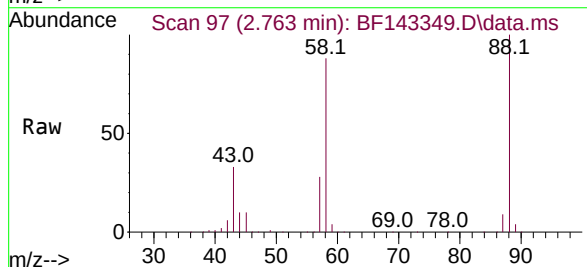
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

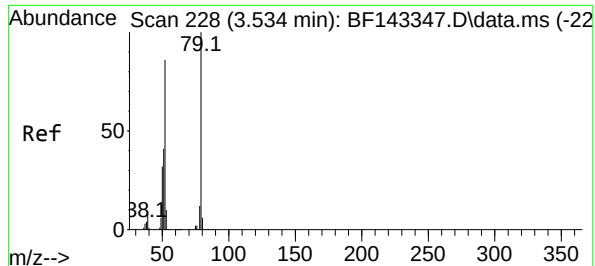
Tgt Ion:152 Resp: 161554
Ion Ratio Lower Upper
152 100
150 160.3 129.8 194.8
115 59.3 47.8 71.8



#2
1,4-Dioxane
Concen: 61.364 ng
RT: 2.763 min Scan# 97
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 88 Resp: 296653
Ion Ratio Lower Upper
88 100
58 88.5 71.0 106.6
43 33.6 27.0 40.6

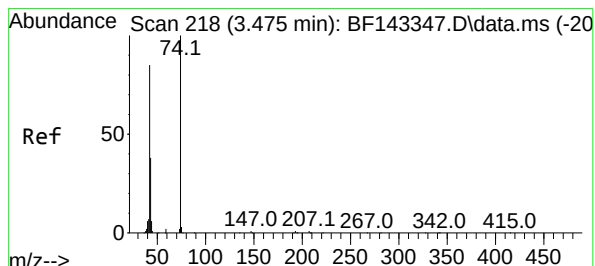
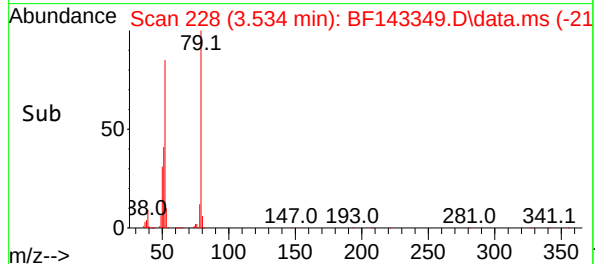
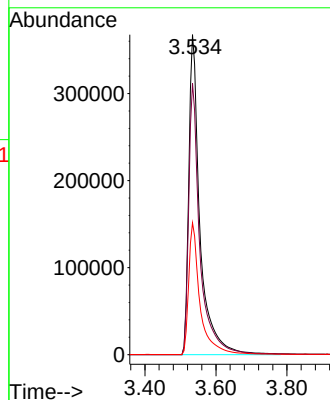
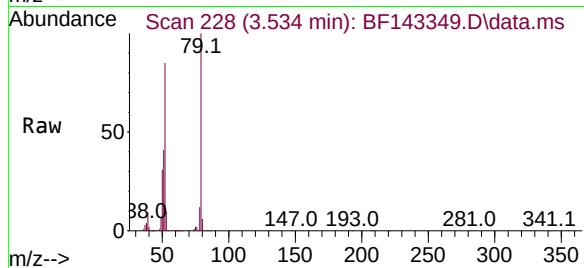




#3
Pyridine
Concen: 62.740 ng
RT: 3.534 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

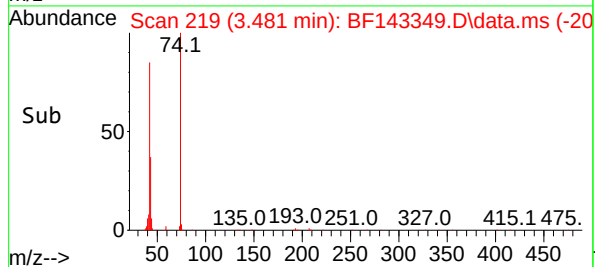
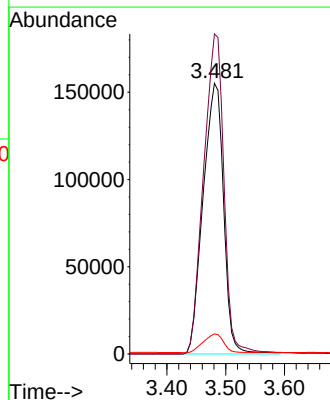
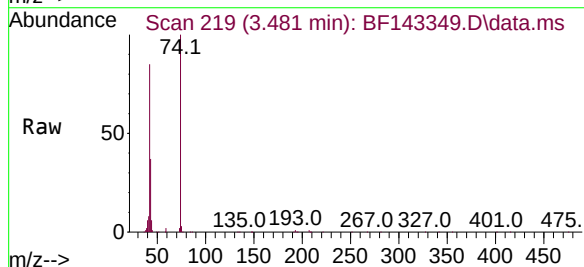
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

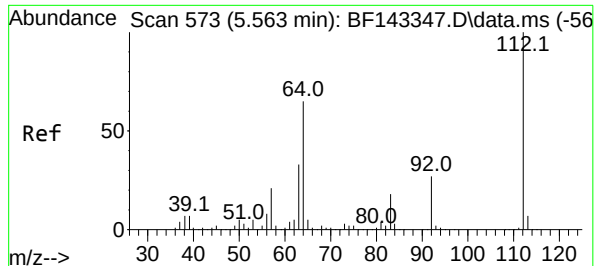
Tgt Ion: 79 Resp: 808240
Ion Ratio Lower Upper
79 100
52 84.8 68.7 103.1
51 41.2 33.4 50.0



#4
n-Nitrosodimethylamine
Concen: 62.645 ng
RT: 3.481 min Scan# 219
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 42 Resp: 375923
Ion Ratio Lower Upper
42 100
74 118.2 94.1 141.1
44 7.4 6.5 9.7





#5

2-Fluorophenol

Concen: 119.453 ng

RT: 5.563 min Scan# 511

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

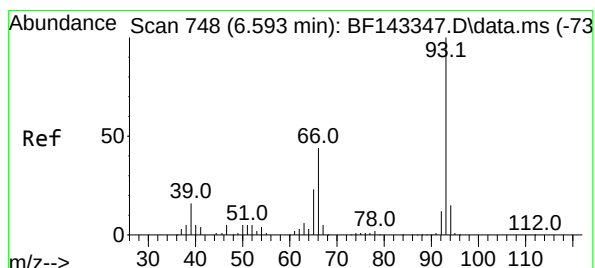
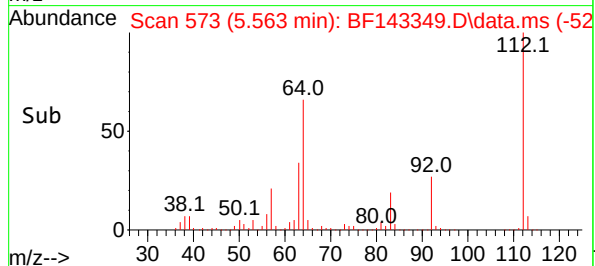
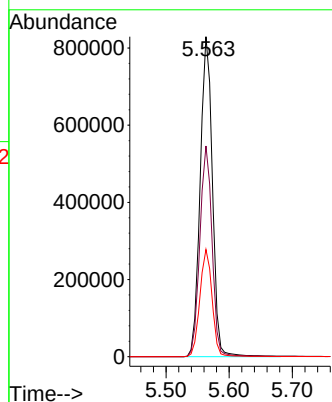
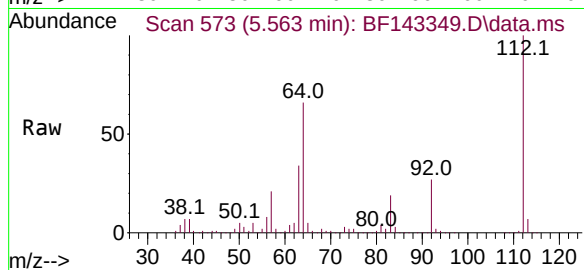
Tgt Ion:112 Resp: 1115976

Ion Ratio Lower Upper

112 100

64 65.9 52.1 78.1

63 33.5 26.6 39.8



#6

Aniline

Concen: 59.015 ng

RT: 6.592 min Scan# 748

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

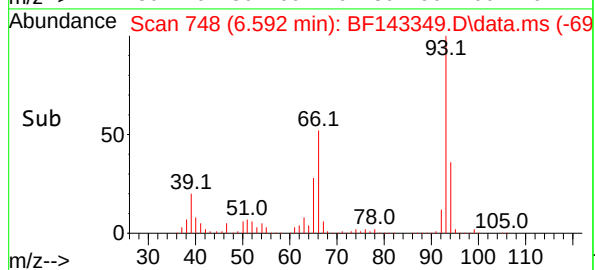
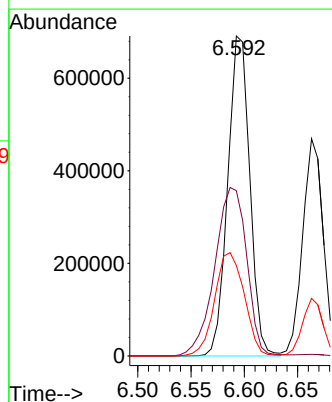
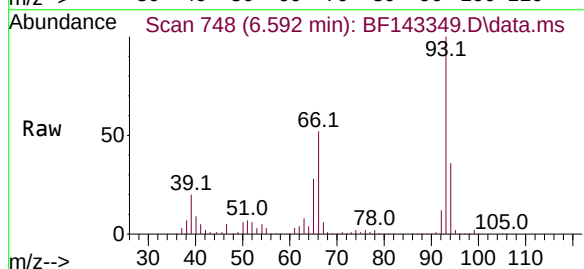
Tgt Ion: 93 Resp: 996754

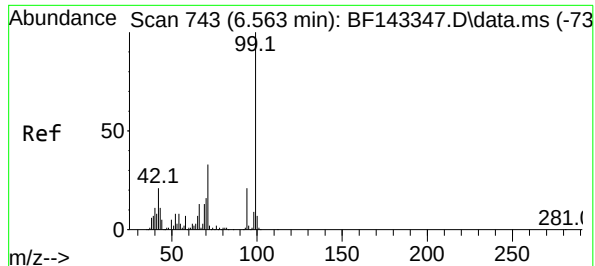
Ion Ratio Lower Upper

93 100

66 51.6 35.3 52.9

65 28.3 18.2 27.4#

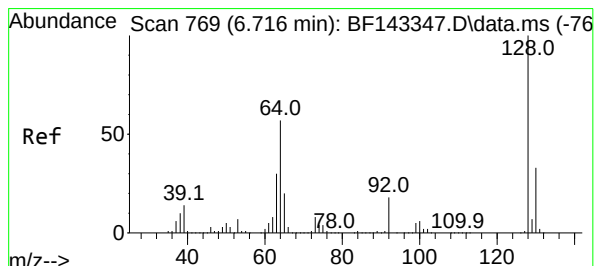
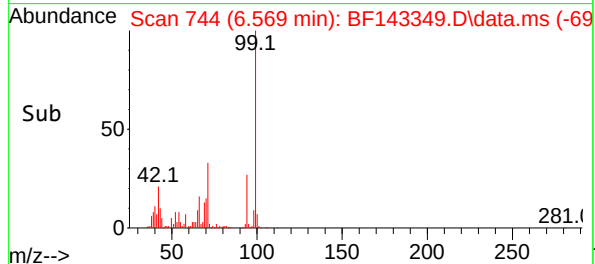
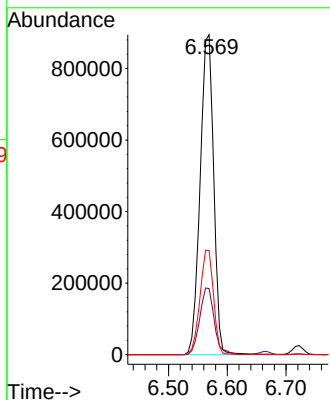
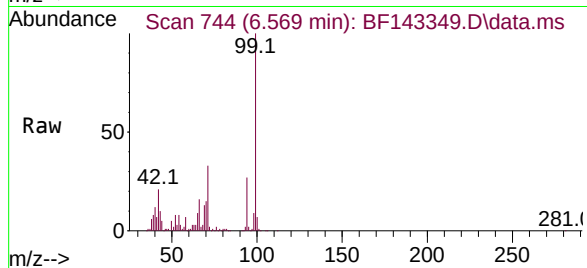




#7
Phenol-d6
Concen: 119.357 ng
RT: 6.569 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

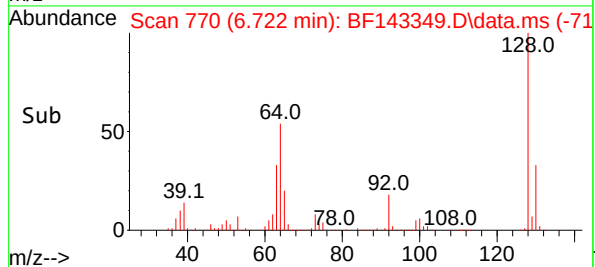
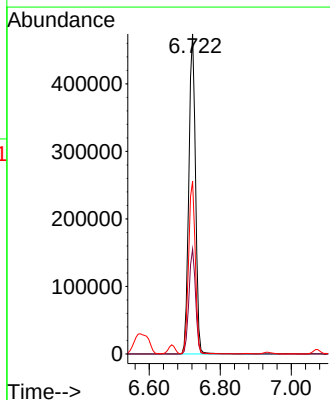
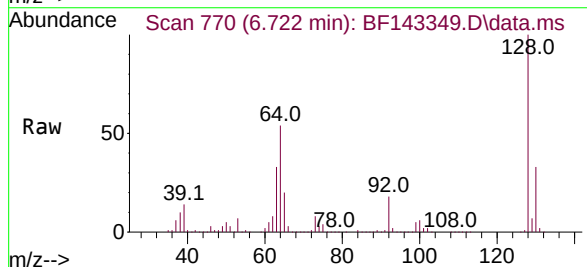
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

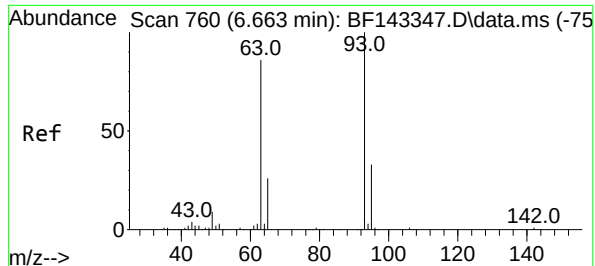
Tgt Ion: 99 Resp: 1429946
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 32.6 26.2 39.2



#8
2-Chlorophenol
Concen: 61.717 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 128 Resp: 616100
Ion Ratio Lower Upper
128 100
130 32.7 12.6 52.6
64 54.0 36.7 76.7





#11

bis(2-Chloroethyl)ether

Concen: 59.247 ng

RT: 6.663 min Scan# 70

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

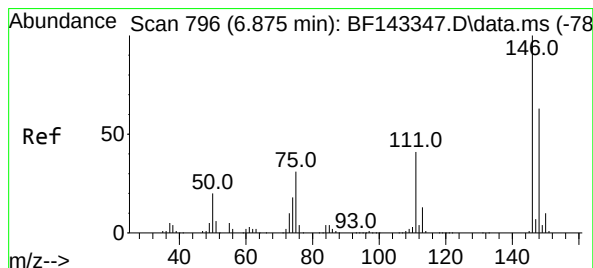
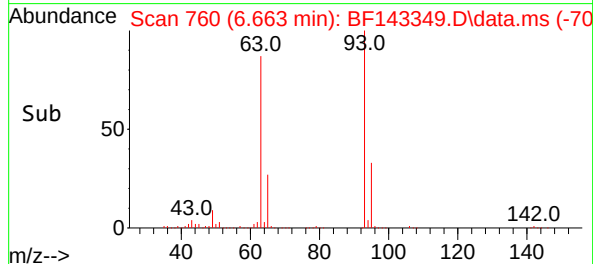
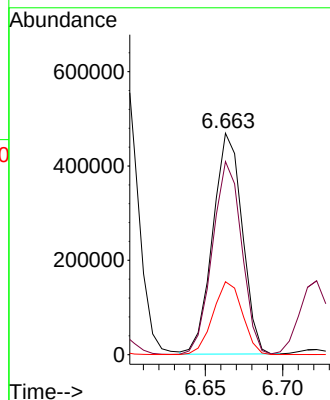
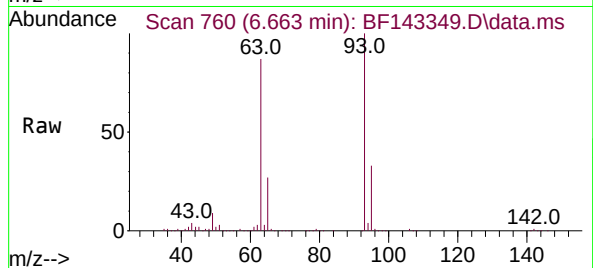
Tgt Ion: 93 Resp: 619725

Ion Ratio Lower Upper

93 100

63 87.2 65.7 105.7

95 33.0 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 58.344 ng

RT: 6.875 min Scan# 796

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

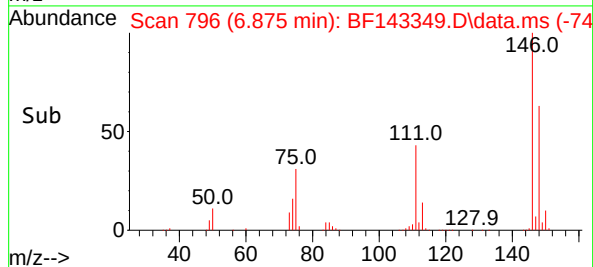
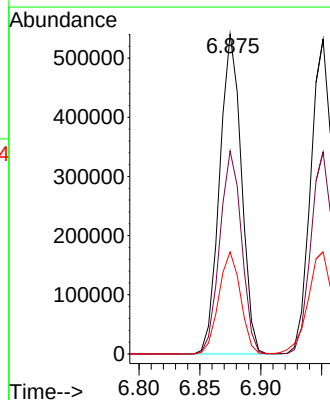
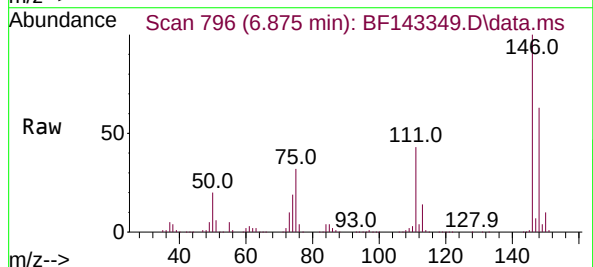
Tgt Ion: 146 Resp: 671800

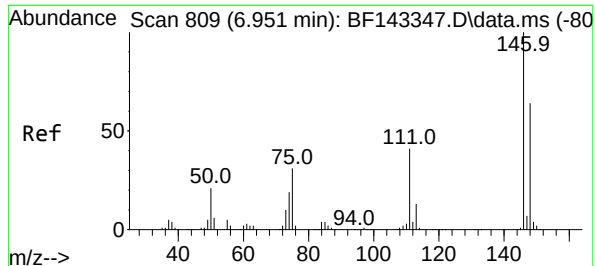
Ion Ratio Lower Upper

146 100

148 63.5 50.5 75.7

75 31.9 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 57.278 ng

RT: 6.951 min Scan# 809

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

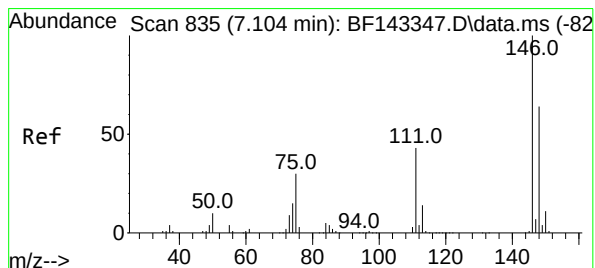
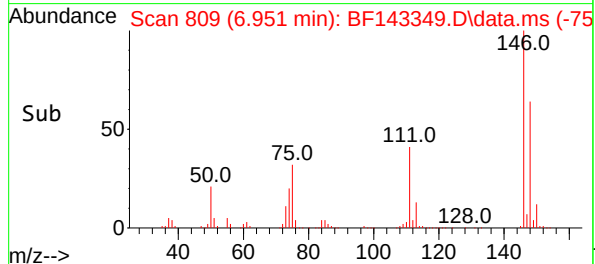
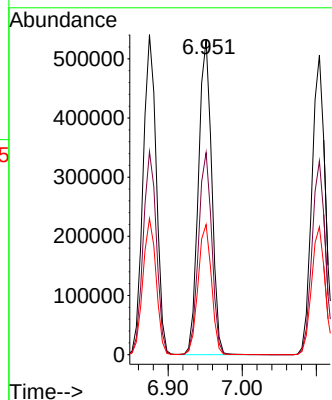
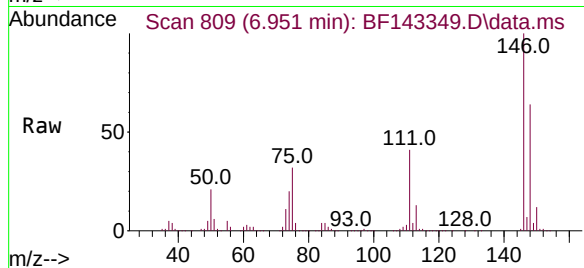
Tgt Ion:146 Resp: 661936

Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.0

111 41.4 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 57.835 ng

RT: 7.104 min Scan# 835

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

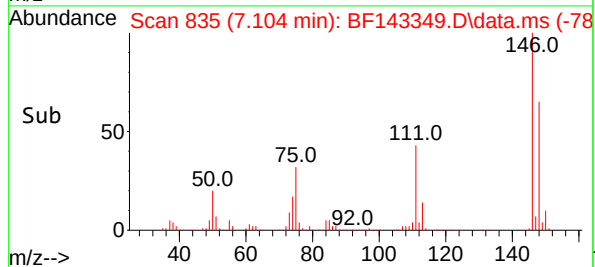
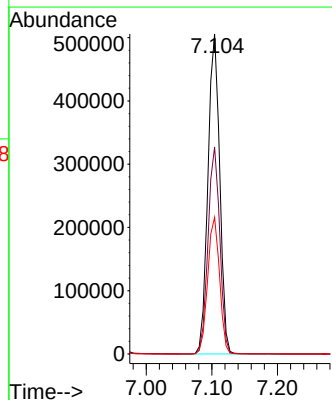
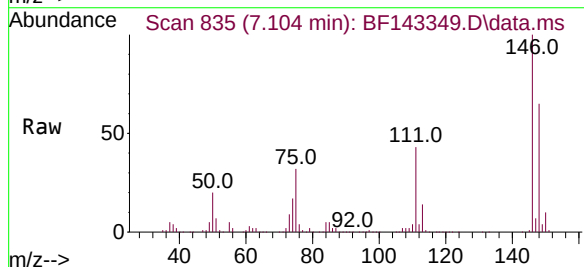
Tgt Ion:146 Resp: 634447

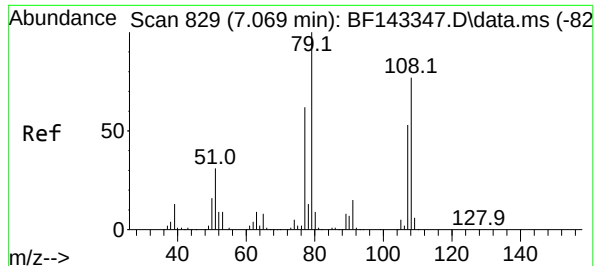
Ion Ratio Lower Upper

146 100

148 64.7 51.4 77.2

111 42.7 34.1 51.1

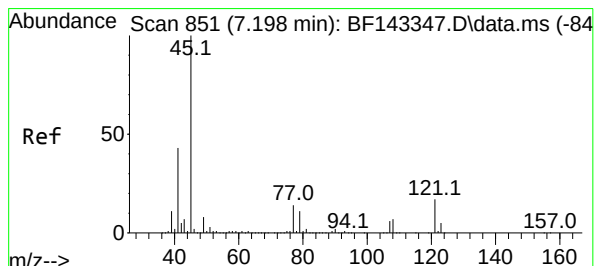
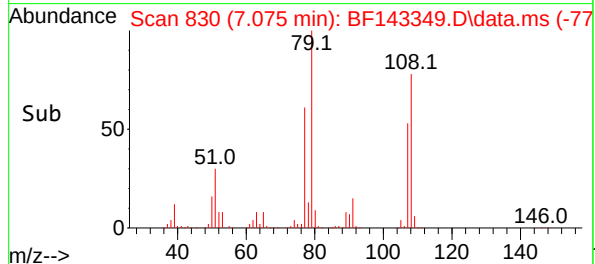
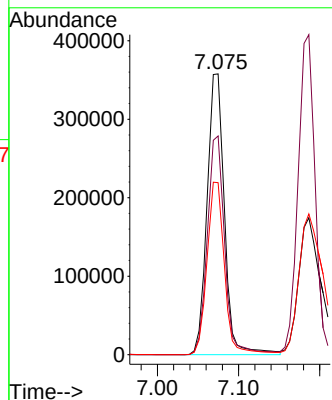
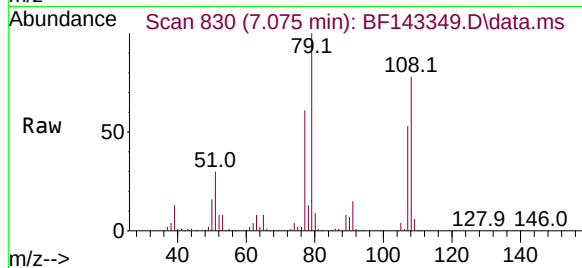




#15
Benzyl Alcohol
Concen: 61.891 ng
RT: 7.075 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

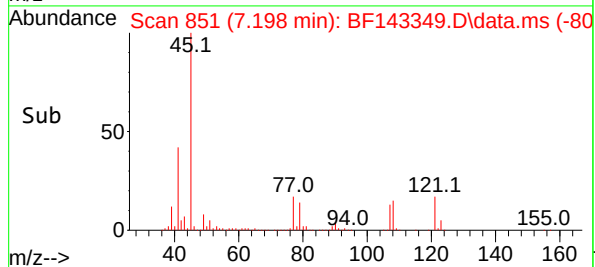
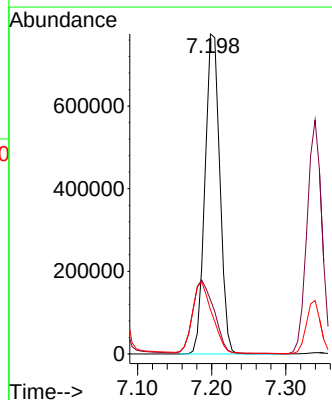
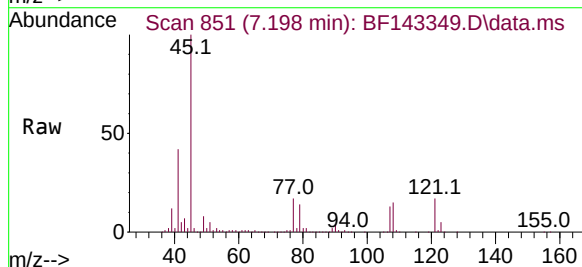
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

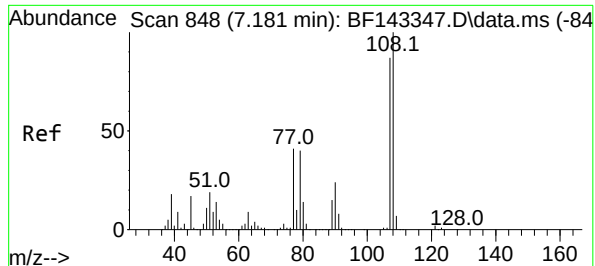
Tgt Ion: 79 Resp: 531507
Ion Ratio Lower Upper
79 100
108 77.9 61.5 92.3
77 61.2 49.8 74.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 57.714 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 45 Resp: 1077772
Ion Ratio Lower Upper
45 100
77 16.9 0.0 34.0
79 13.8 0.0 31.1

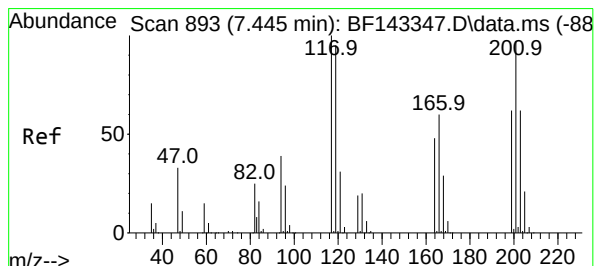
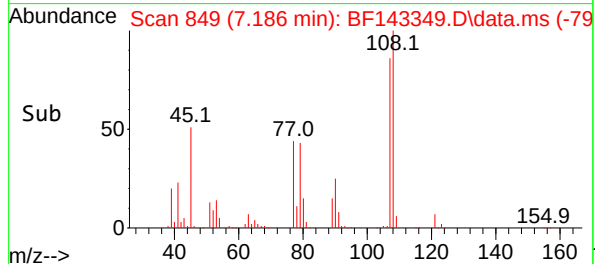
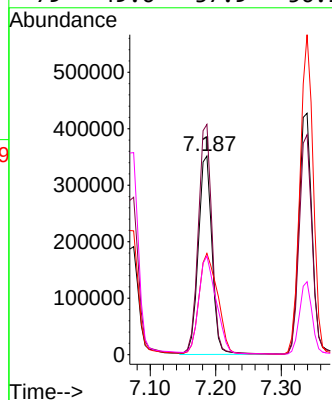
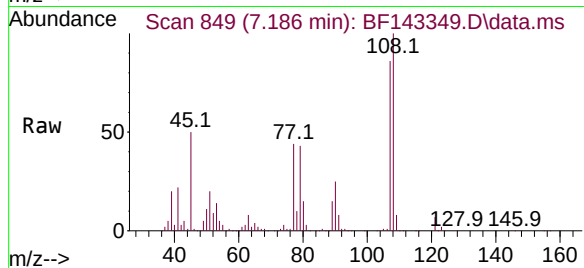




#17
2-Methylphenol
Concen: 60.895 ng
RT: 7.186 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

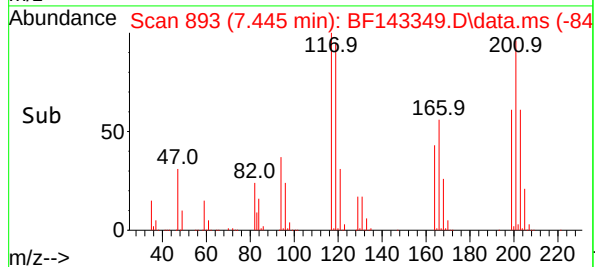
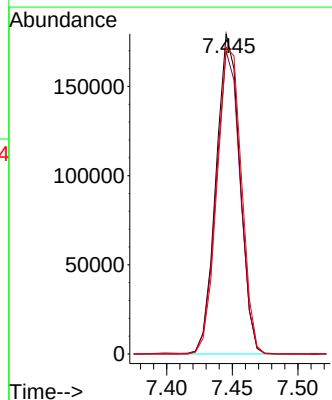
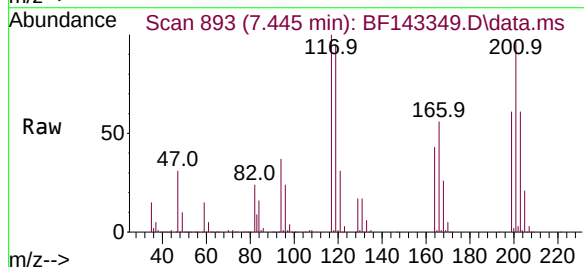
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

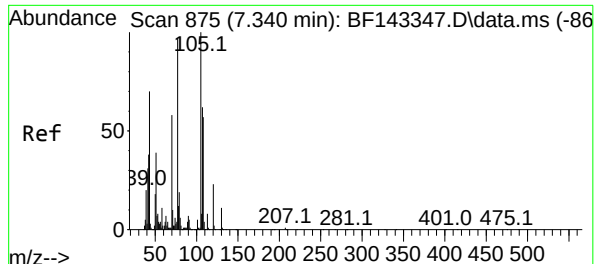
Tgt Ion:107 Resp: 513134
Ion Ratio Lower Upper
107 100
108 115.9 92.0 138.0
77 51.0 38.2 57.2
79 49.6 37.9 56.9



#18
Hexachloroethane
Concen: 62.318 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:117 Resp: 225784
Ion Ratio Lower Upper
117 100
119 94.6 75.8 113.8
201 95.9 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 57.269 ng

RT: 7.345 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

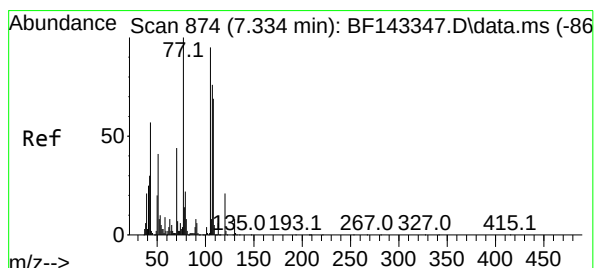
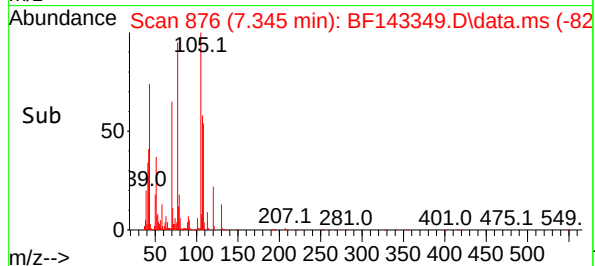
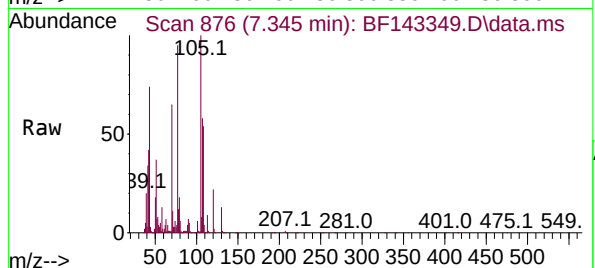
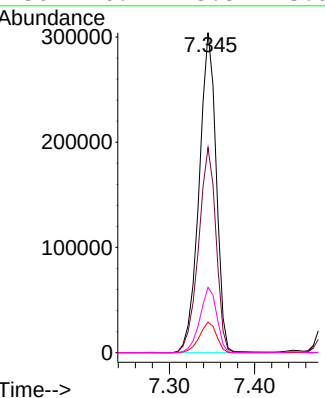
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 423943

Ion	Ratio	Lower	Upper
70	100		
42	64.1	51.6	77.4
101	9.6	7.5	11.3
130	20.4	15.8	23.6



#20

3+4-Methylphenols

Concen: 58.354 ng

RT: 7.339 min Scan# 875

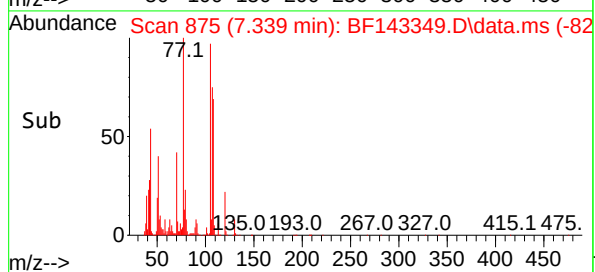
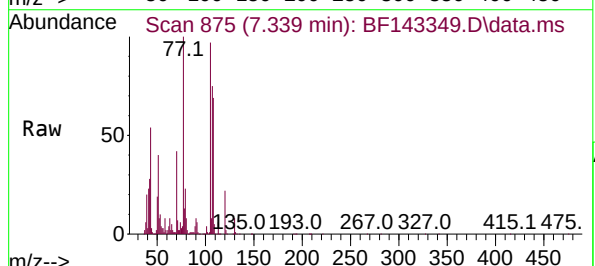
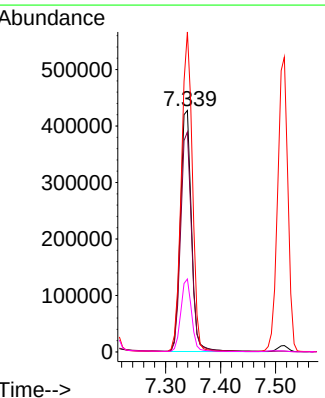
Delta R.T. 0.006 min

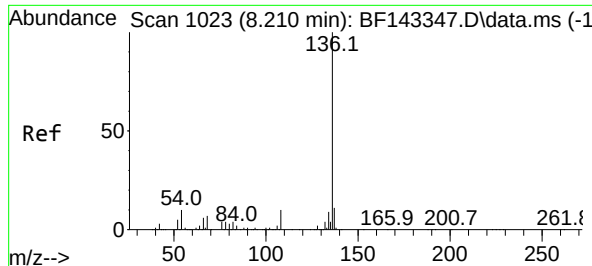
Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Tgt Ion: 107 Resp: 594674

Ion	Ratio	Lower	Upper
107	100		
108	91.1	70.6	110.6
77	132.5	112.0	152.0
79	30.2	9.9	49.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.216 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:136 Resp: 611608

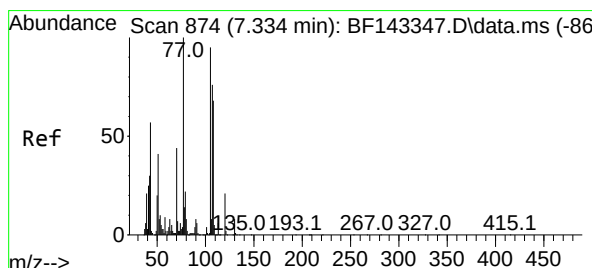
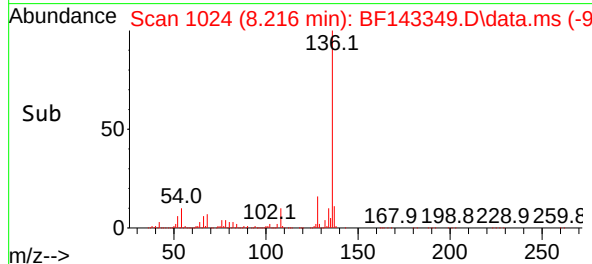
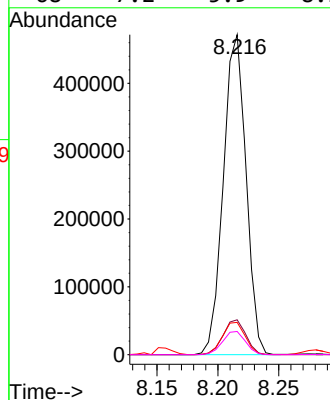
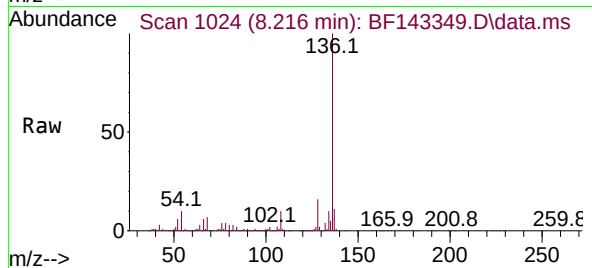
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 10.1 8.4 12.6

68 7.2 5.9 8.9



#22

Acetophenone

Concen: 56.784 ng

RT: 7.339 min Scan# 875

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Tgt Ion:105 Resp: 765201

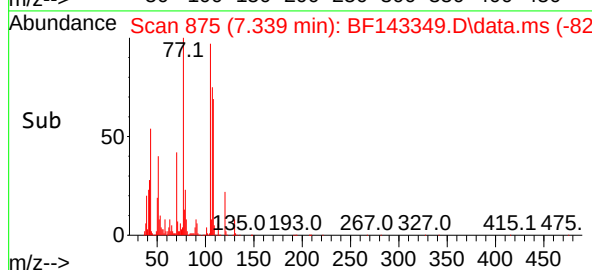
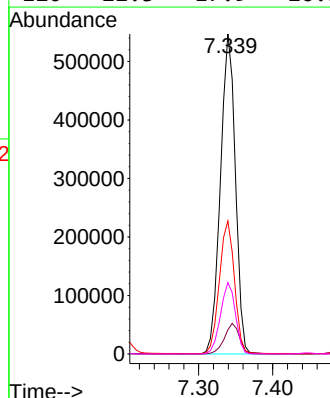
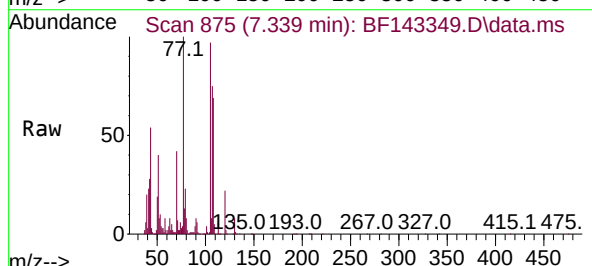
Ion Ratio Lower Upper

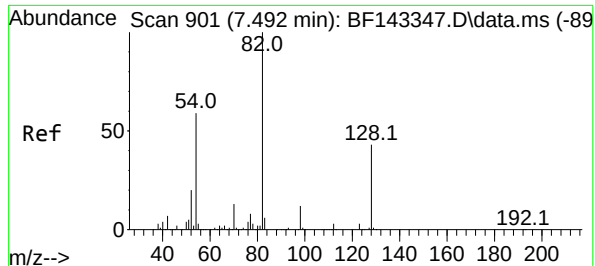
105 100

71 7.5 6.2 9.4

51 41.6 34.8 52.2

120 22.3 17.9 26.9





#23

Nitrobenzene-d5

Concen: 127.441 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

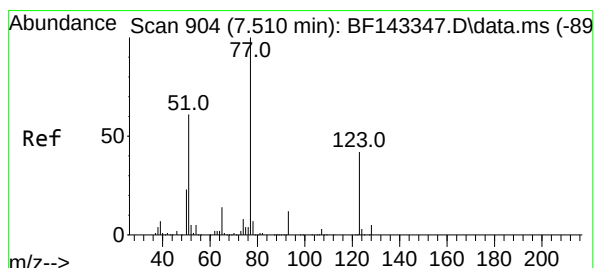
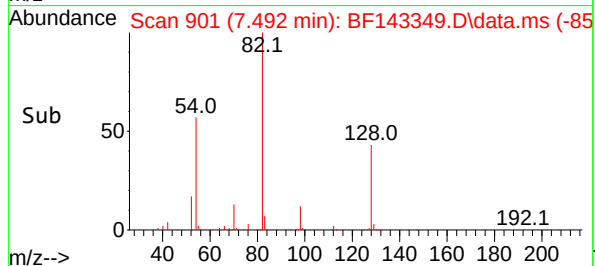
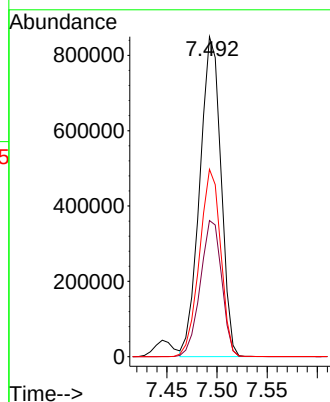
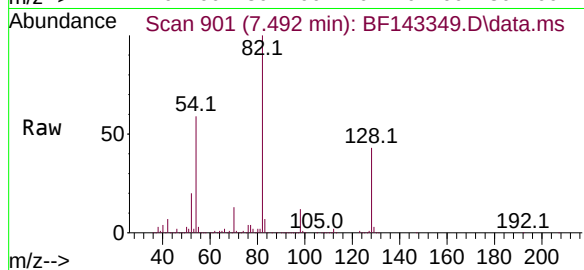
BNA_F

ClientSampleId :

SSTDIC060

Tgt Ion: 82 Resp: 1251642

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.5	50.3
54	58.5	46.7	70.1



#24

Nitrobenzene

Concen: 63.075 ng

RT: 7.516 min Scan# 905

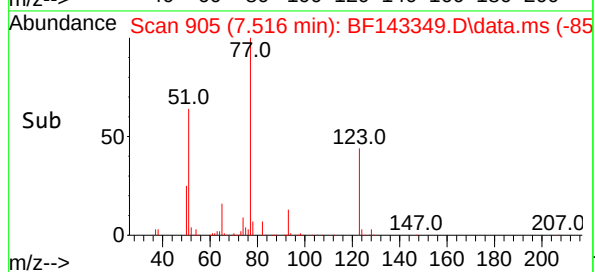
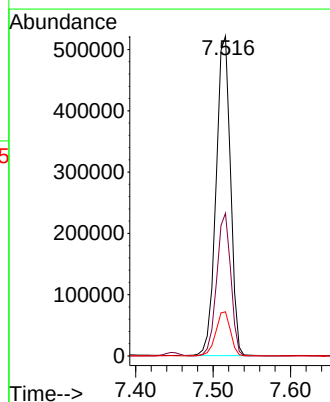
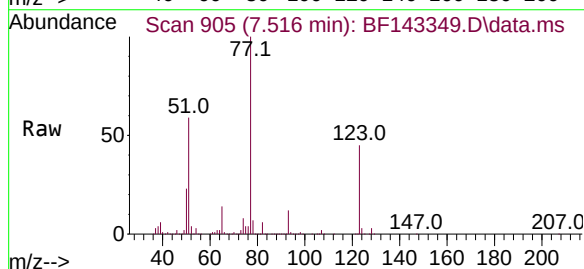
Delta R.T. 0.006 min

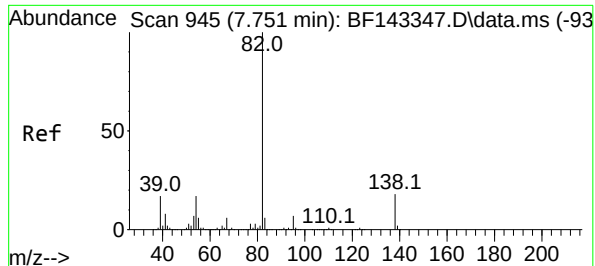
Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Tgt Ion: 77 Resp: 672780

Ion	Ratio	Lower	Upper
77	100		
123	44.6	34.8	52.2
65	13.8	11.0	16.6





#25

Isophorone

Concen: 59.613 ng

RT: 7.751 min Scan# 945

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

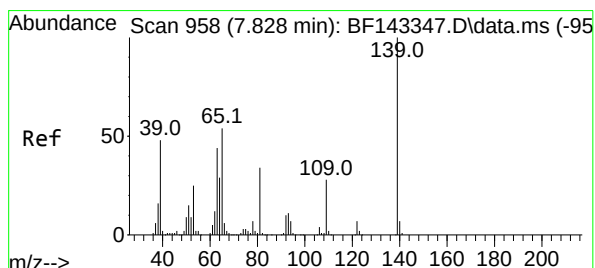
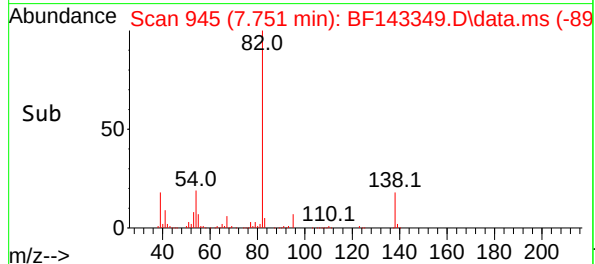
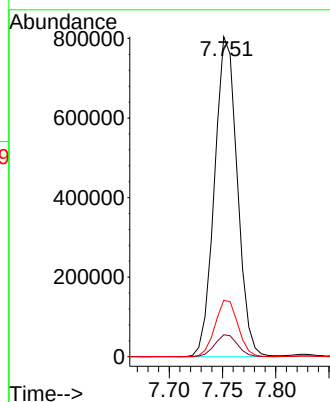
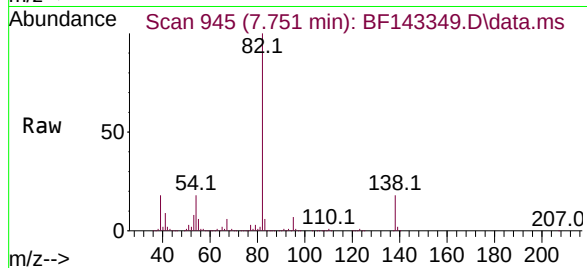
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1195220

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.6	14.6	21.8



#26

2-Nitrophenol

Concen: 63.401 ng

RT: 7.828 min Scan# 958

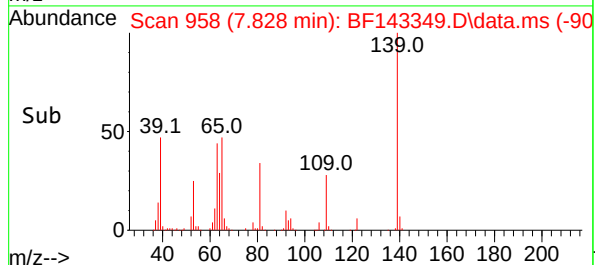
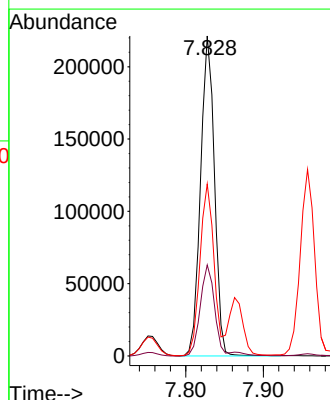
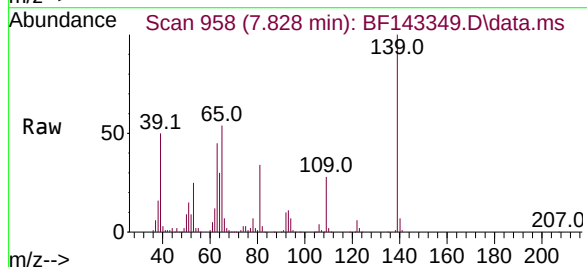
Delta R.T. -0.000 min

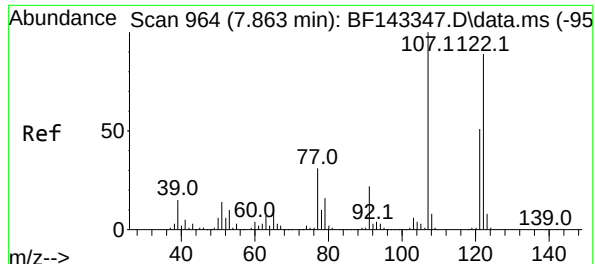
Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Tgt Ion: 139 Resp: 276412

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.4	33.6
65	53.8	42.9	64.3





#27

2,4-Dimethylphenol

Concen: 62.476 ng

RT: 7.863 min Scan# 9

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

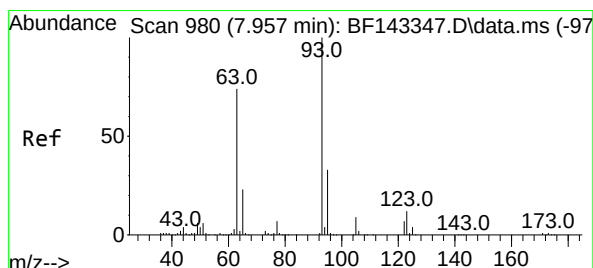
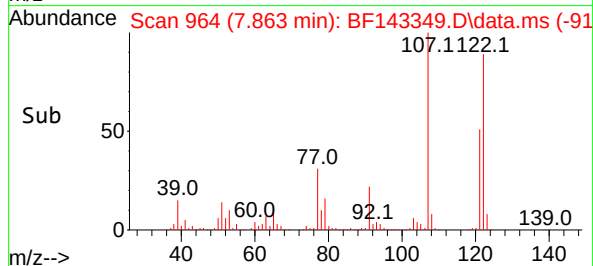
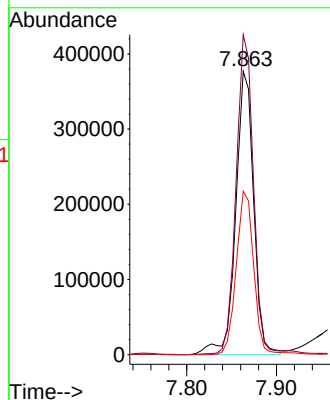
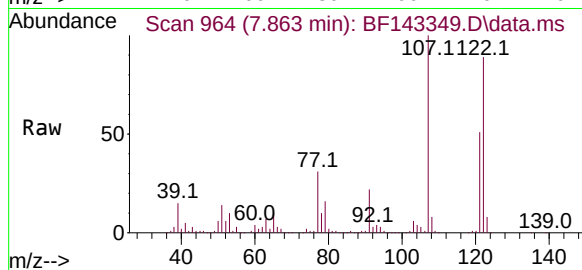
Tgt Ion:122 Resp: 522594

Ion Ratio Lower Upper

122 100

107 112.9 89.9 134.9

121 57.7 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 59.338 ng

RT: 7.957 min Scan# 980

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

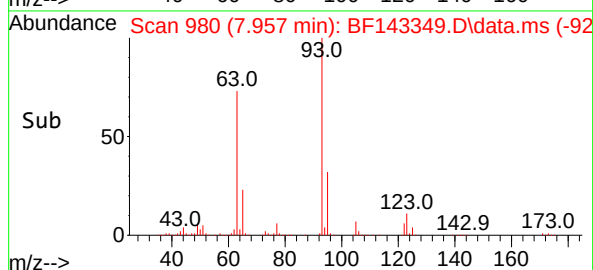
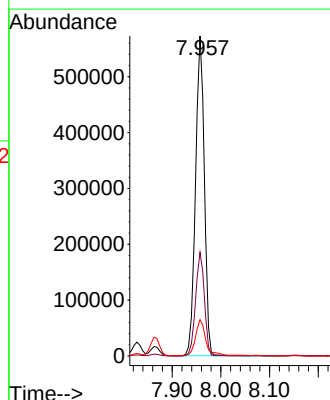
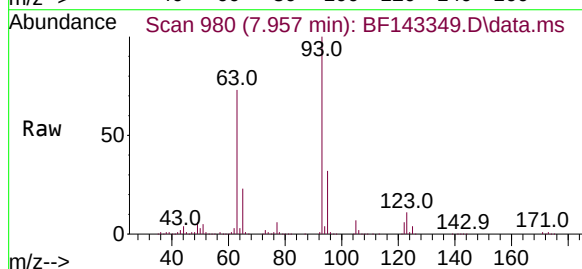
Tgt Ion: 93 Resp: 726373

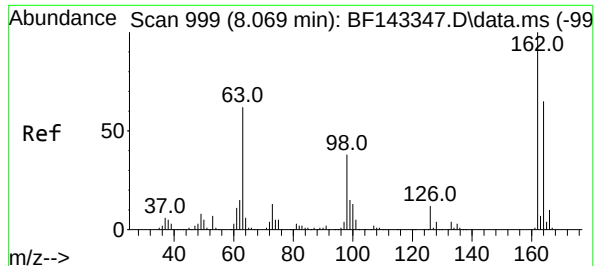
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.4

123 11.4 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 62.732 ng

RT: 8.075 min Scan# 1000

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

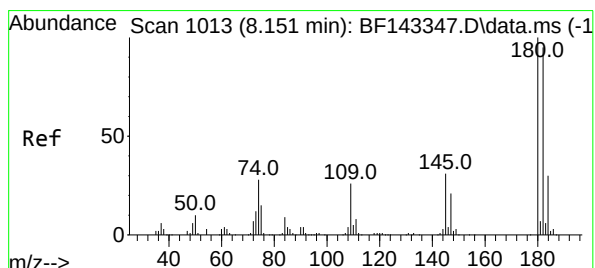
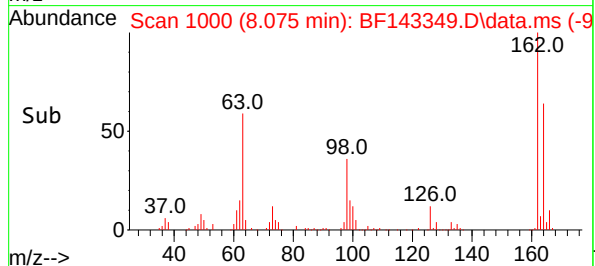
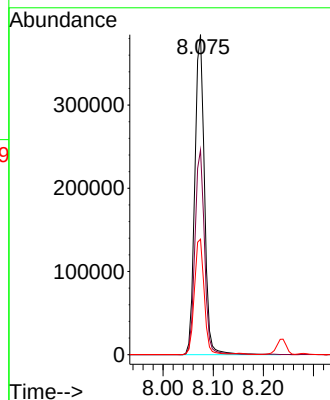
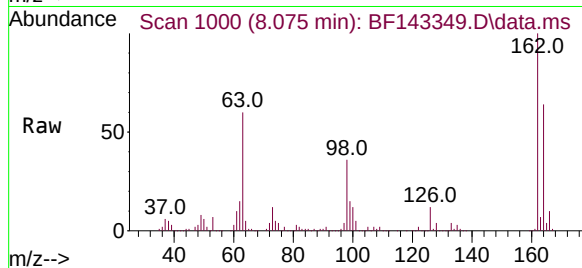
Tgt Ion:162 Resp: 512513

Ion Ratio Lower Upper

162 100

164 63.9 44.5 84.5

98 36.1 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 59.275 ng

RT: 8.157 min Scan# 1014

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

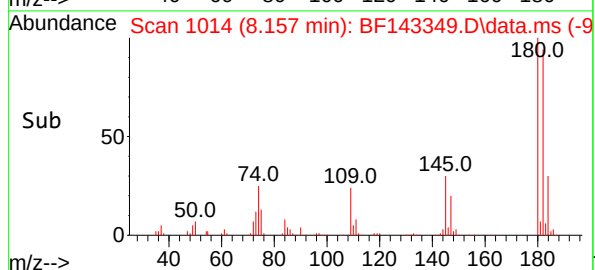
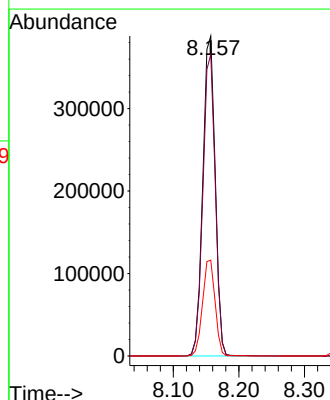
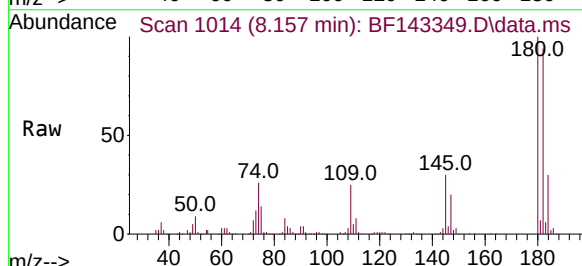
Tgt Ion:180 Resp: 510824

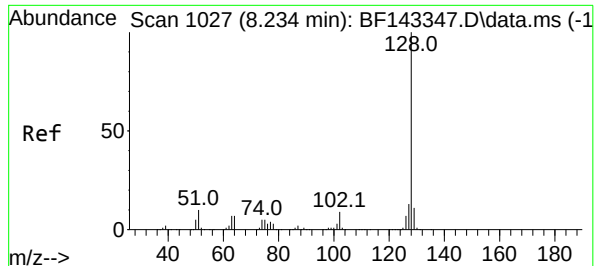
Ion Ratio Lower Upper

180 100

182 94.2 76.1 114.1

145 30.0 24.9 37.3

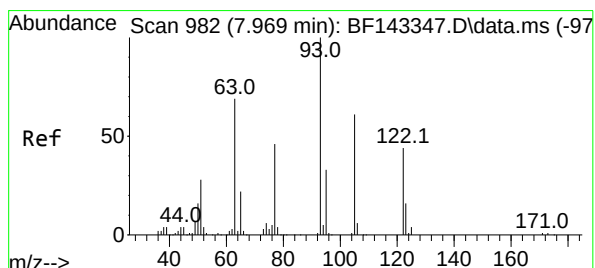
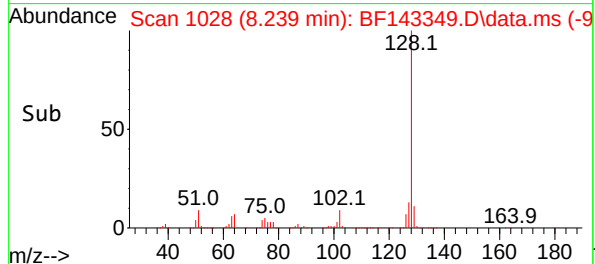
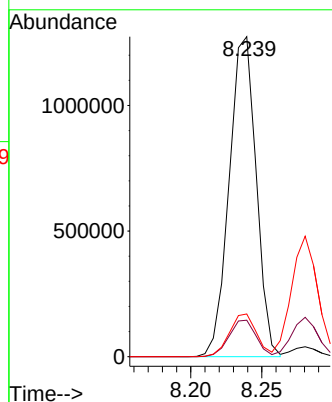
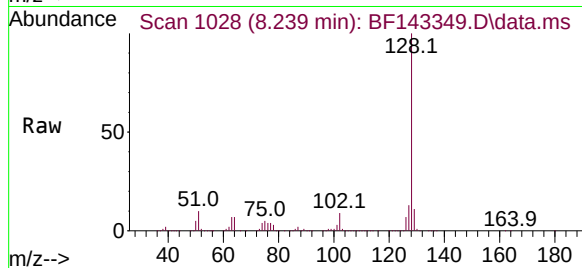




#31
Naphthalene
Concen: 57.179 ng
RT: 8.239 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

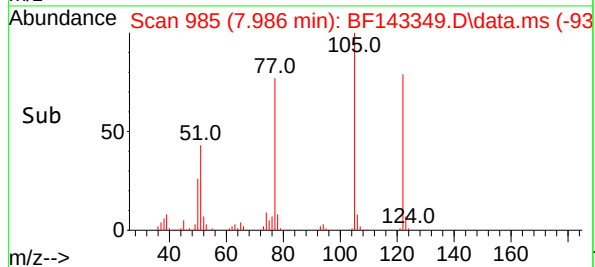
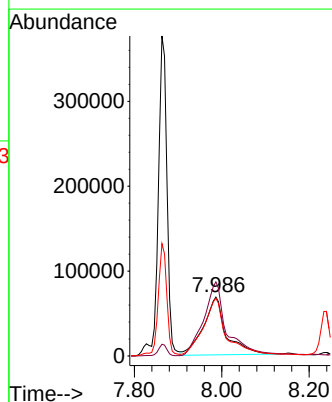
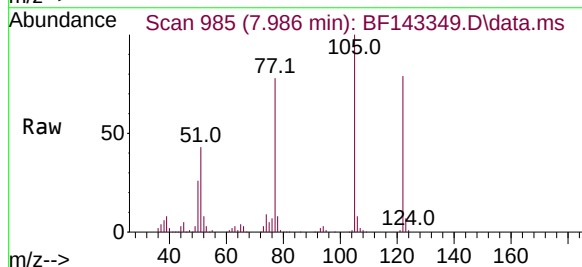
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

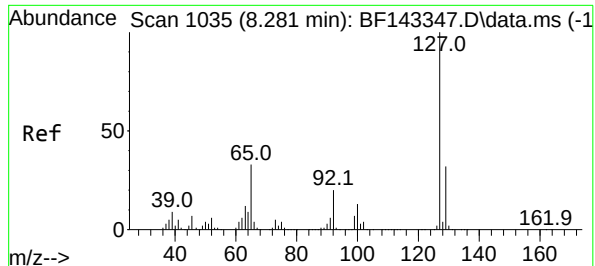
Tgt Ion:128 Resp: 1682766
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.3 10.7 16.1



#32
Benzoic acid
Concen: 62.282 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.017 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:122 Resp: 248714
Ion Ratio Lower Upper
122 100
105 125.9 106.4 146.4
77 98.1 79.2 119.2





#33

4-Chloroaniline

Concen: 59.564 ng

RT: 8.281 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 632256

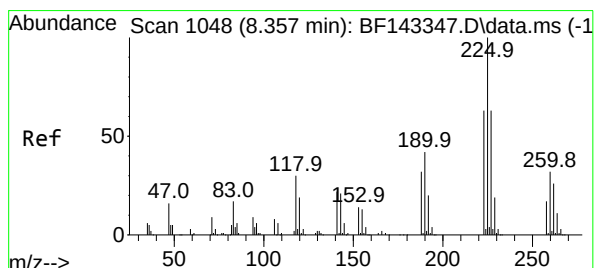
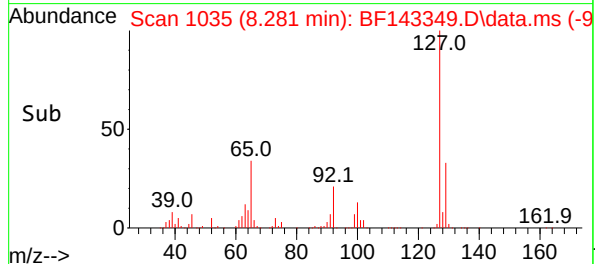
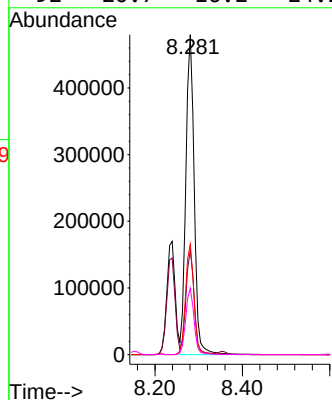
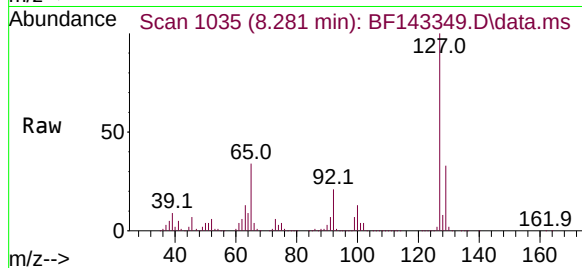
Ion Ratio Lower Upper

127 100

129 32.6 26.0 39.0

65 34.5 27.0 40.4

92 20.7 16.2 24.2



#34

Hexachlorobutadiene

Concen: 58.655 ng

RT: 8.357 min Scan# 1048

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

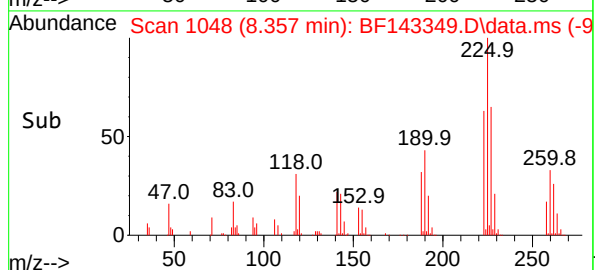
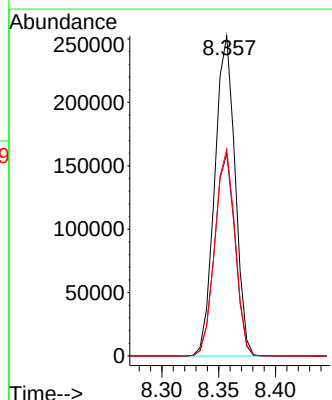
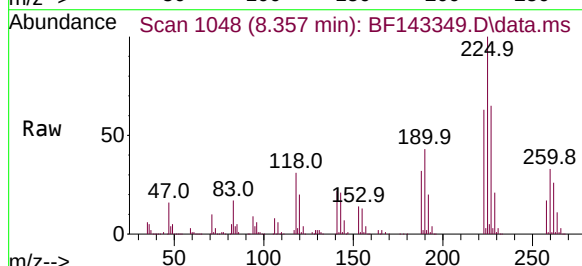
Tgt Ion:225 Resp: 314445

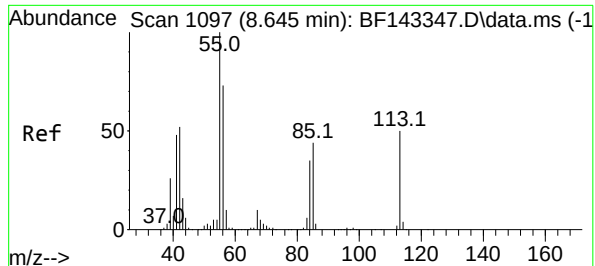
Ion Ratio Lower Upper

225 100

223 63.1 50.1 75.1

227 64.6 50.6 75.8





#35

Caprolactam

Concen: 64.696 ng

RT: 8.657 min Scan# 1099

Delta R.T. 0.012 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

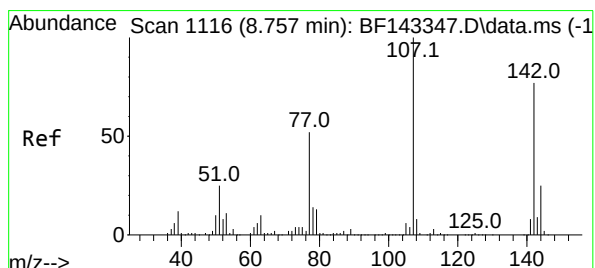
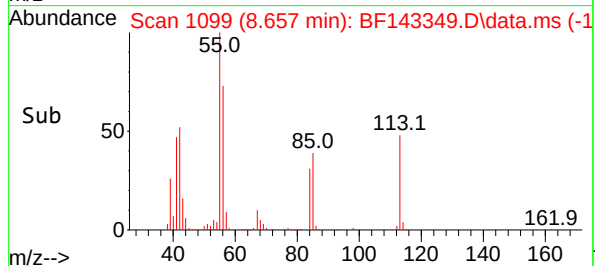
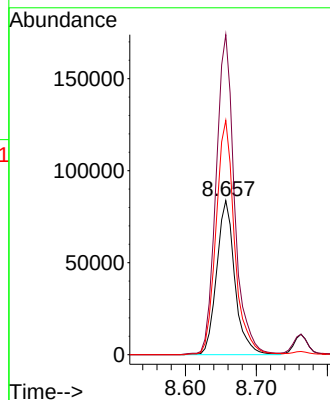
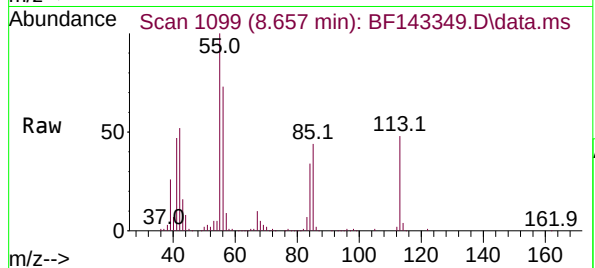
Tgt Ion:113 Resp: 148587

Ion Ratio Lower Upper

113 100

55 207.6 181.4 221.4

56 152.0 127.3 167.3



#36

4-Chloro-3-methylphenol

Concen: 61.301 ng

RT: 8.763 min Scan# 1117

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

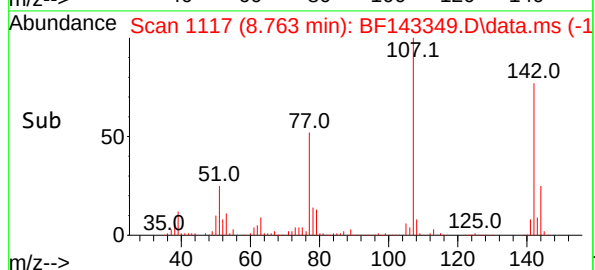
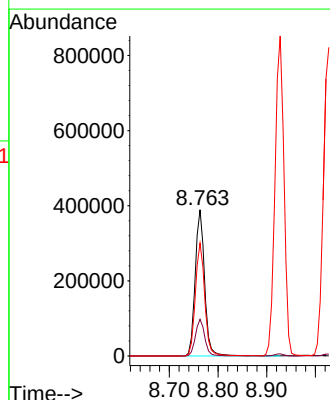
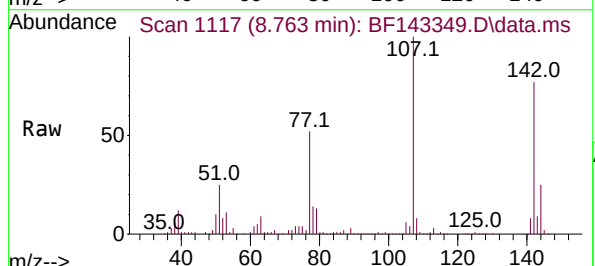
Tgt Ion:107 Resp: 525032

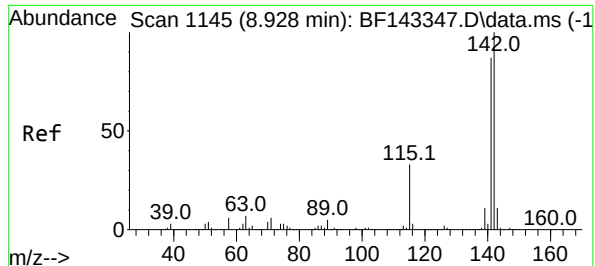
Ion Ratio Lower Upper

107 100

144 25.0 20.0 30.0

142 77.2 61.3 91.9





#37

2-Methylnaphthalene

Concen: 56.249 ng

RT: 8.928 min Scan# 1145

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

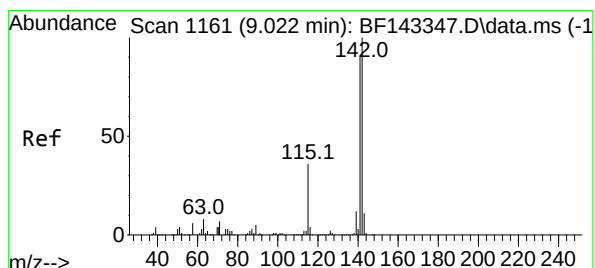
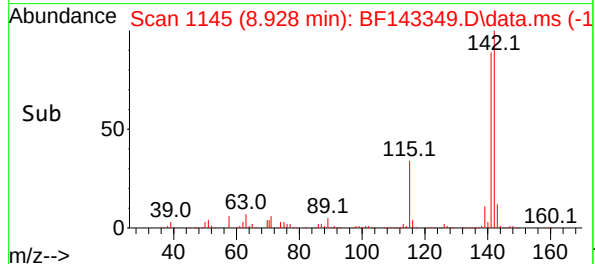
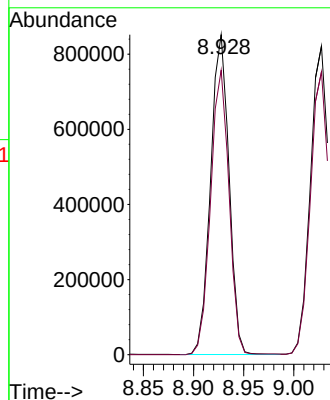
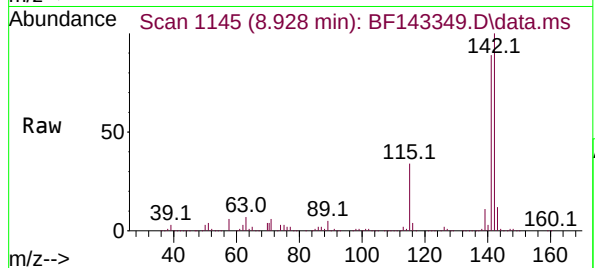
SSTDICC060

Tgt Ion:142 Resp: 1088275

Ion Ratio Lower Upper

142 100

141 88.9 69.8 104.8



#38

1-Methylnaphthalene

Concen: 56.505 ng

RT: 9.028 min Scan# 1162

Delta R.T. 0.006 min

Lab File: BF143349.D

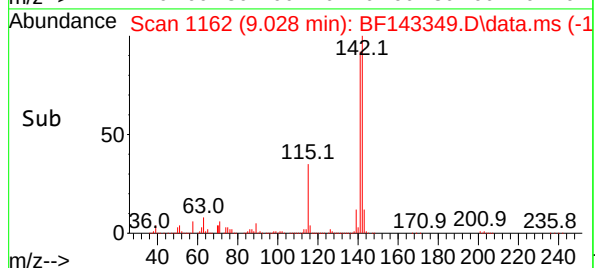
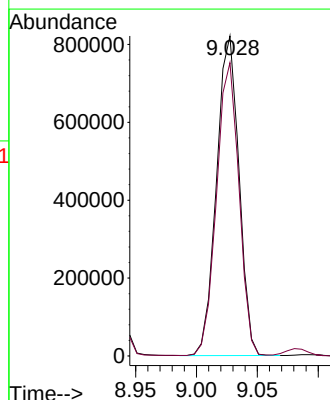
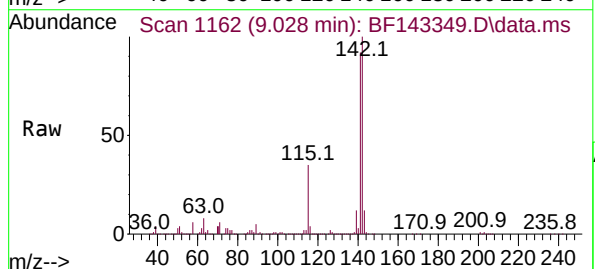
Acq: 12 Aug 2025 12:07

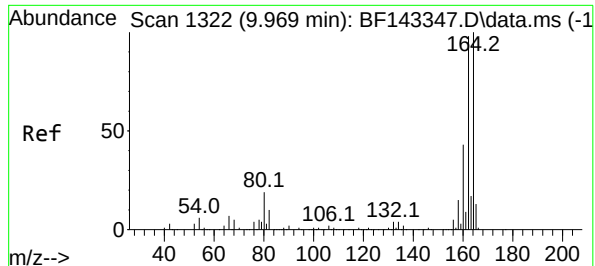
Tgt Ion:142 Resp: 1052909

Ion Ratio Lower Upper

142 100

141 91.6 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

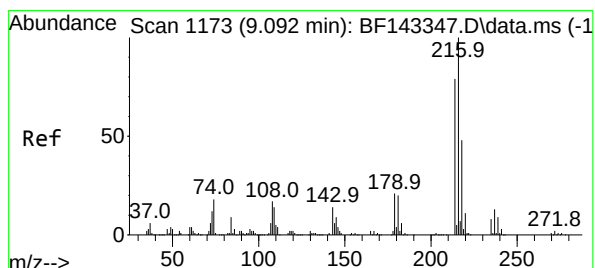
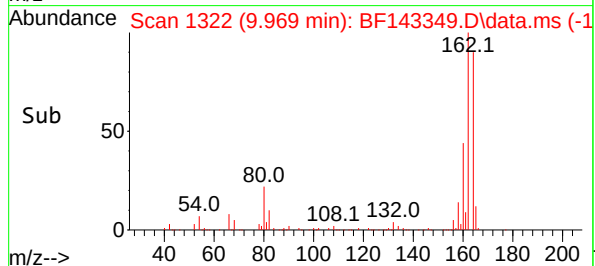
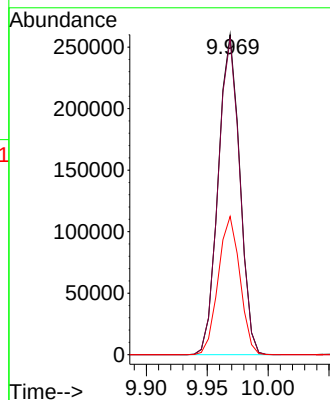
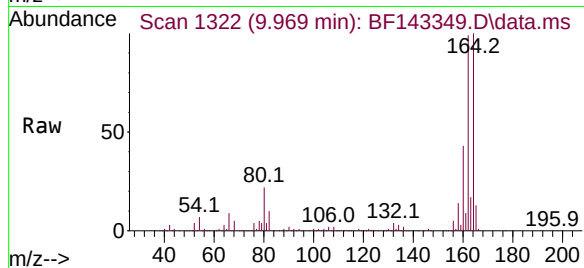
Tgt Ion:164 Resp: 320321

Ion Ratio Lower Upper

164 100

162 98.6 78.6 118.0

160 43.2 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 58.880 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Tgt Ion:216 Resp: 516108

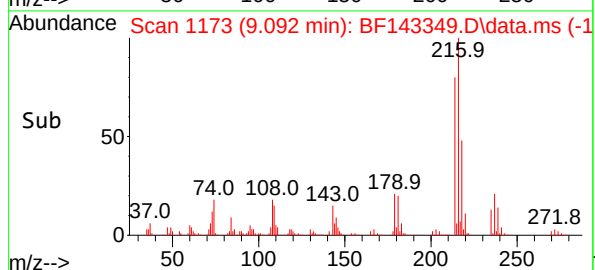
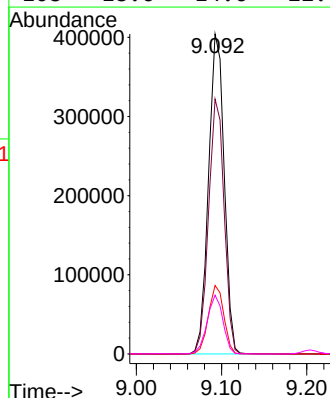
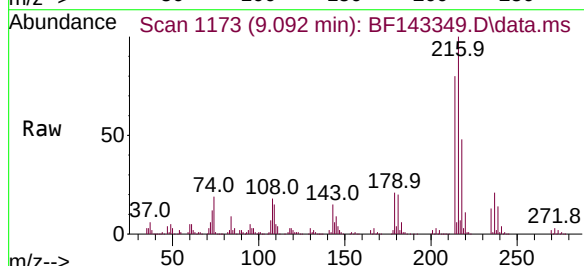
Ion Ratio Lower Upper

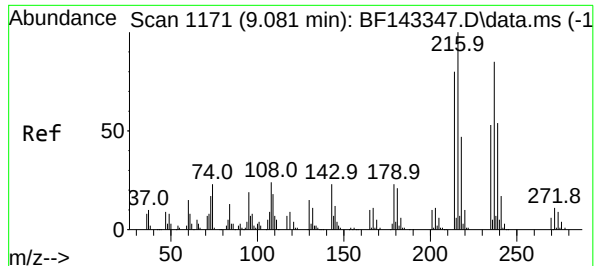
216 100

214 79.3 63.0 94.4

179 21.2 17.0 25.4

108 18.6 14.6 22.0

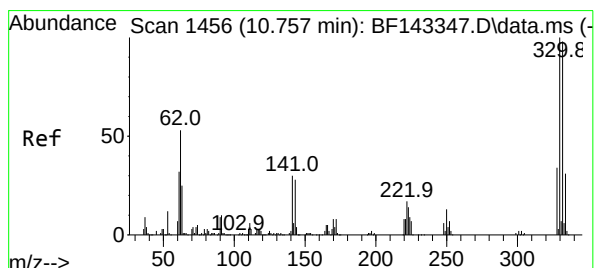
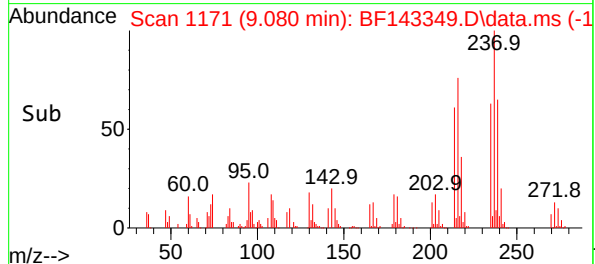
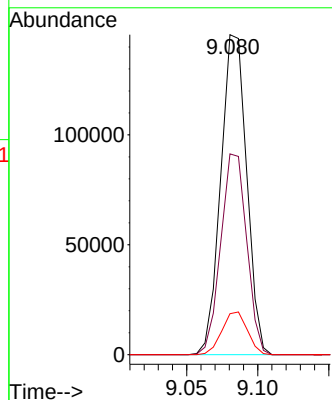
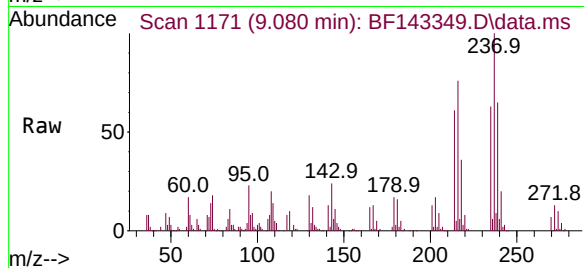




#41
Hexachlorocyclopentadiene
Concen: 61.485 ng
RT: 9.080 min Scan# 1171
Delta R.T. -0.001 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

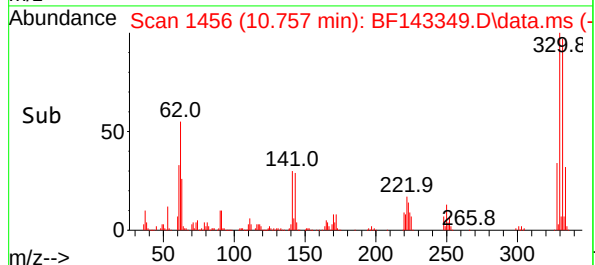
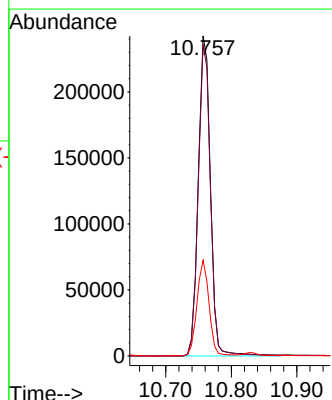
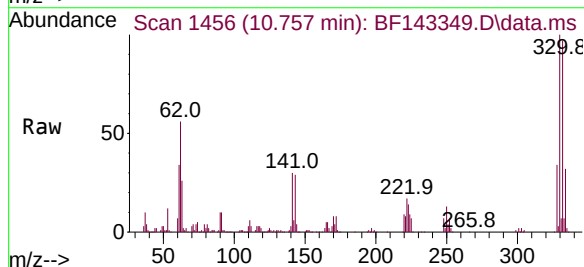
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

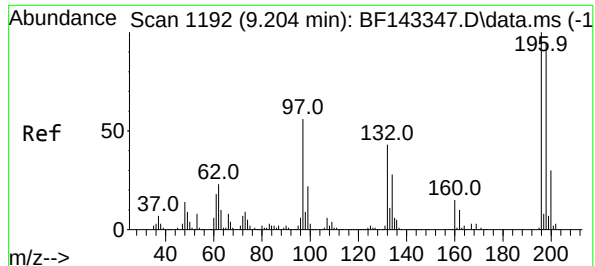
Tgt Ion:237 Resp: 184941
Ion Ratio Lower Upper
237 100
235 62.8 42.0 82.0
272 12.8 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 134.290 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:330 Resp: 314370
Ion Ratio Lower Upper
330 100
332 97.6 78.1 117.1
141 29.3 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 66.369 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

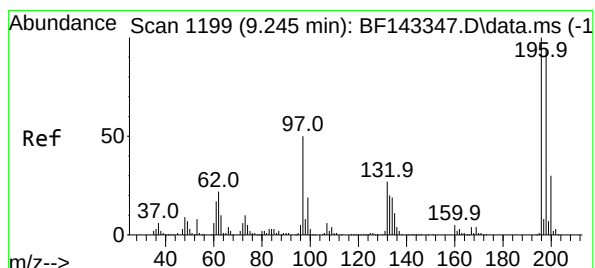
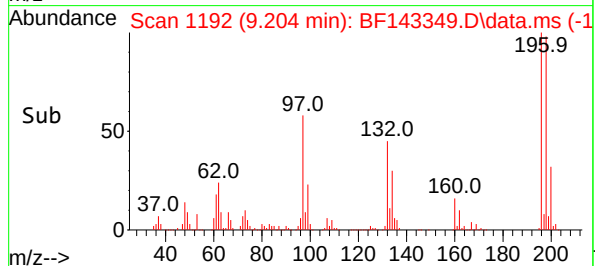
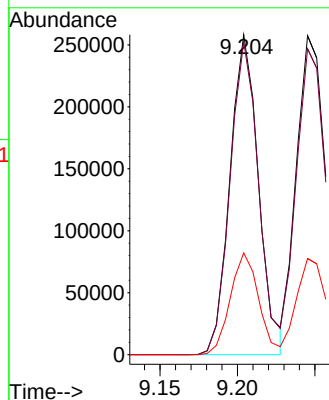
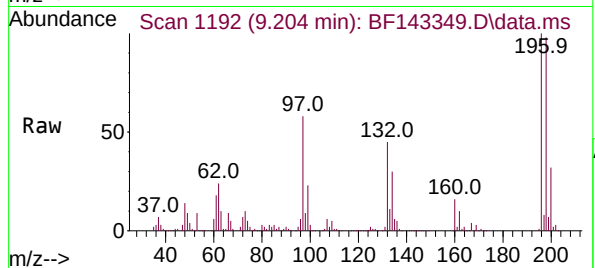
Tgt Ion:196 Resp: 330076

Ion Ratio Lower Upper

196 100

198 97.7 75.4 113.0

200 31.8 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 63.299 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Tgt Ion:196 Resp: 355498

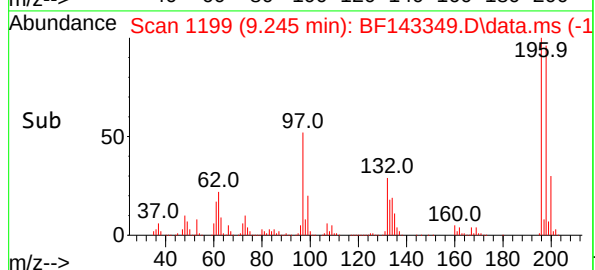
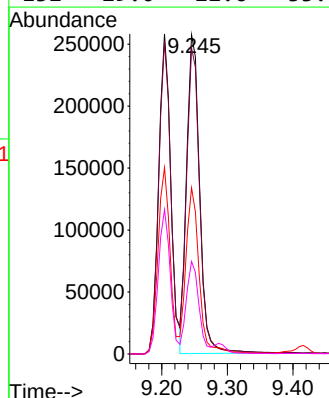
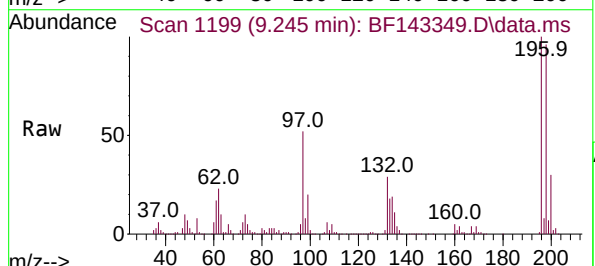
Ion Ratio Lower Upper

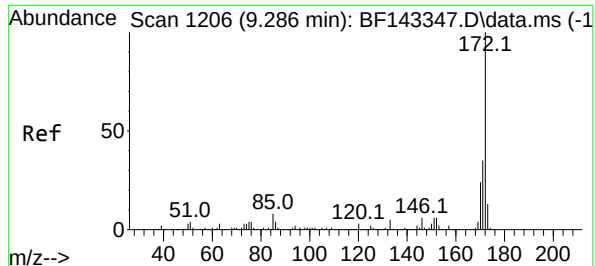
196 100

198 95.9 75.4 113.2

97 52.1 39.9 59.9

132 29.0 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 106.990 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

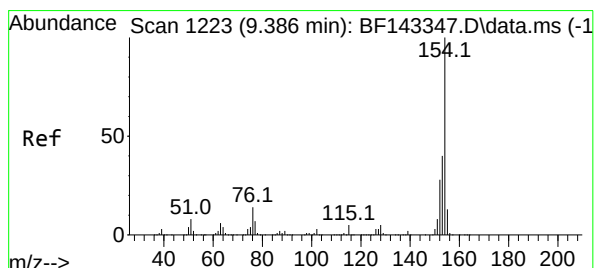
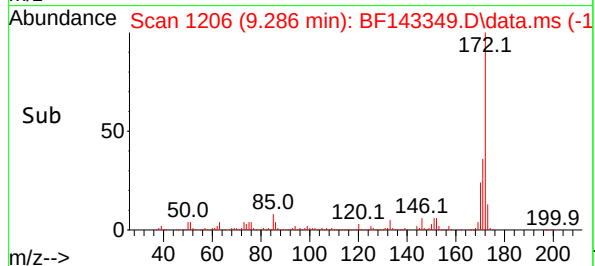
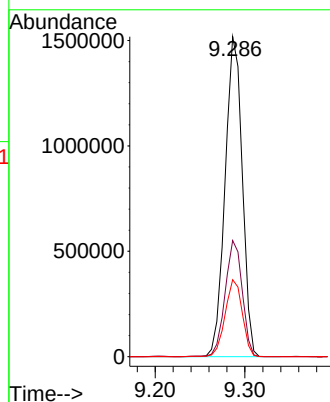
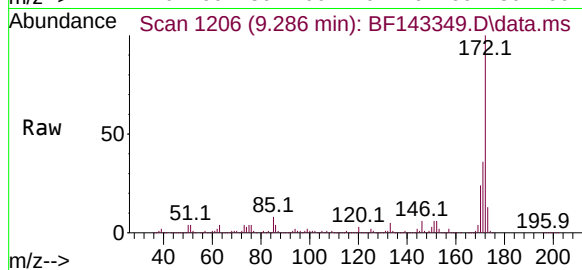
Tgt Ion:172 Resp: 2021003

Ion Ratio Lower Upper

172 100

171 36.3 28.4 42.6

170 24.1 19.1 28.7



#46

1,1'-Biphenyl

Concen: 56.642 ng

RT: 9.392 min Scan# 1224

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

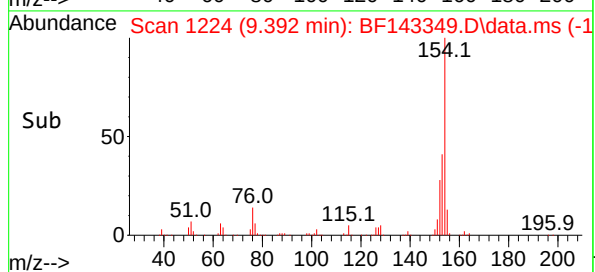
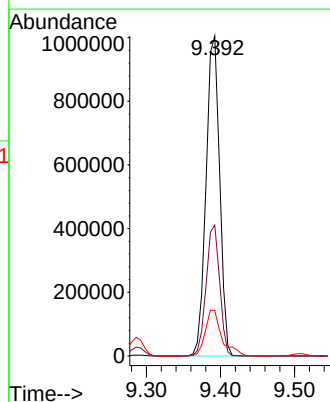
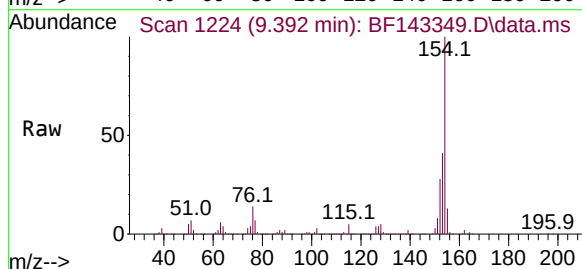
Tgt Ion:154 Resp: 1282862

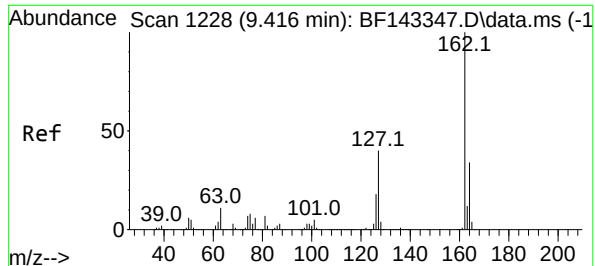
Ion Ratio Lower Upper

154 100

153 40.9 20.2 60.2

76 14.2 0.0 34.4





#47

2-Chloronaphthalene

Concen: 58.223 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

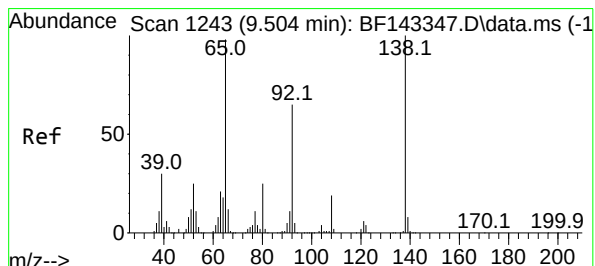
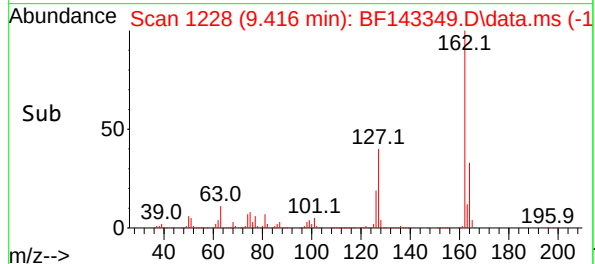
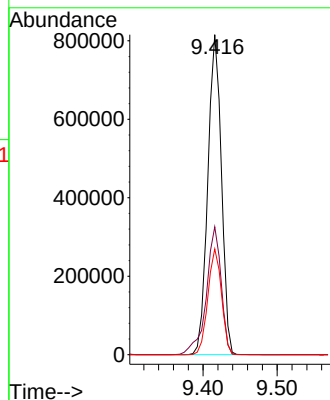
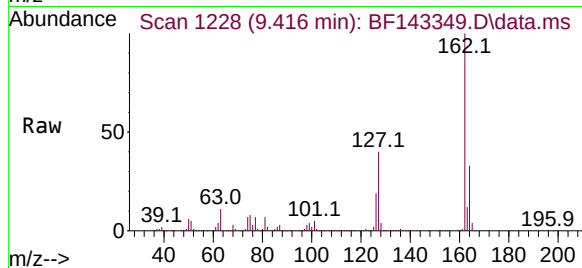
Tgt Ion:162 Resp: 1038548

Ion Ratio Lower Upper

162 100

127 39.9 32.1 48.1

164 33.1 27.0 40.4



#48

2-Nitroaniline

Concen: 61.917 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

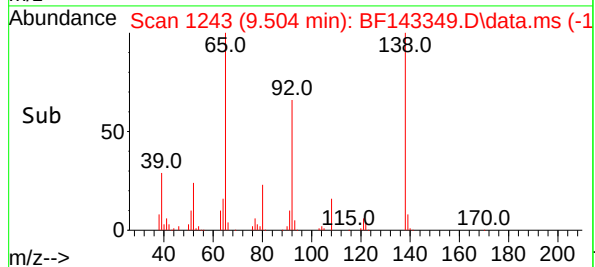
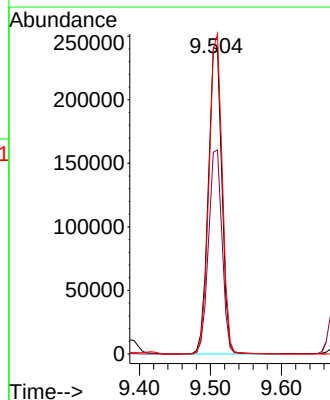
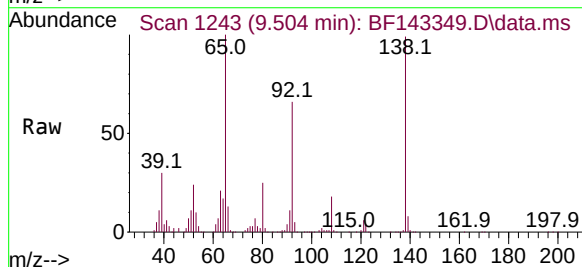
Tgt Ion: 65 Resp: 322909

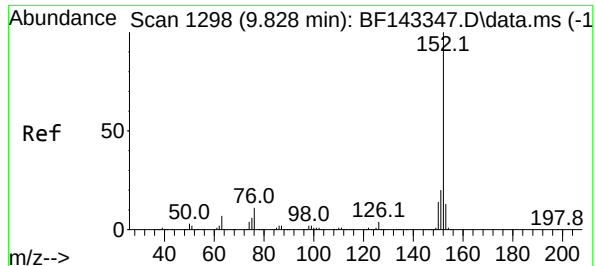
Ion Ratio Lower Upper

65 100

92 65.8 53.1 79.7

138 99.2 81.4 122.0





#49

Acenaphthylene

Concen: 57.494 ng

RT: 9.828 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

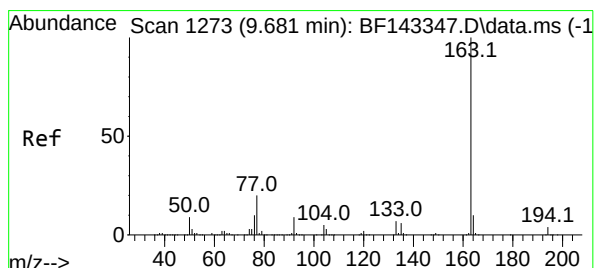
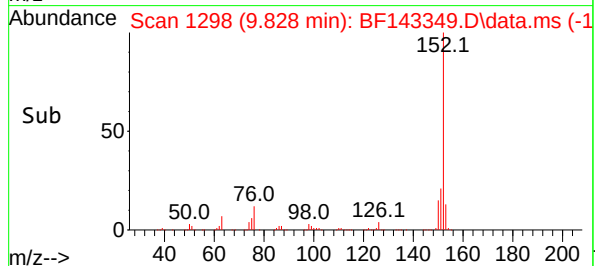
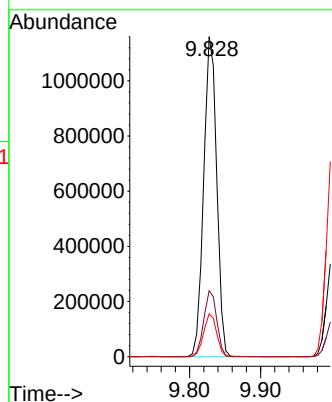
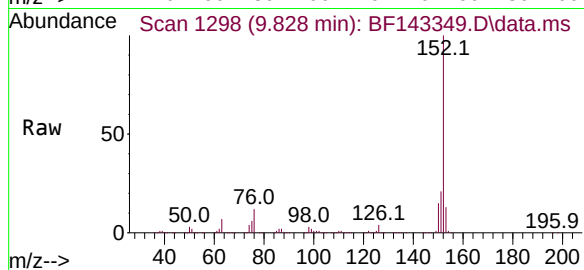
Tgt Ion:152 Resp: 1481001

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.2

153 13.4 10.6 16.0



#50

Dimethylphthalate

Concen: 60.109 ng

RT: 9.680 min Scan# 1273

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

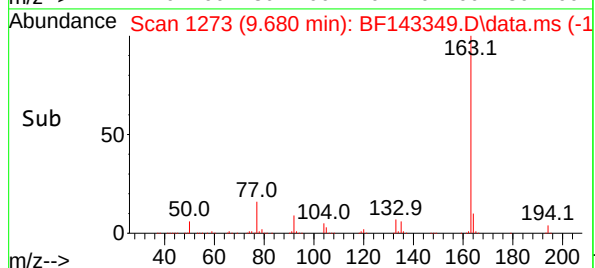
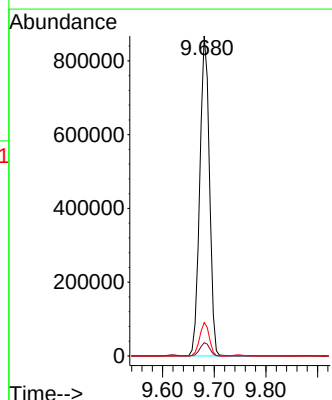
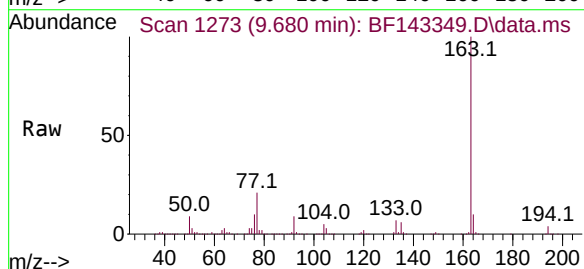
Tgt Ion:163 Resp: 1125050

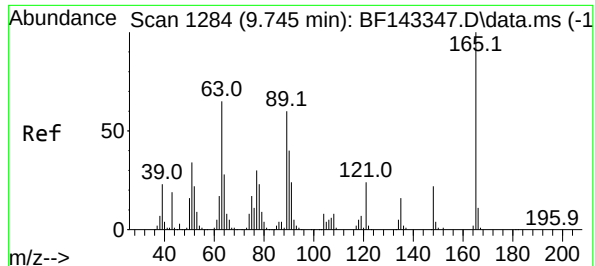
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.5 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 62.496 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

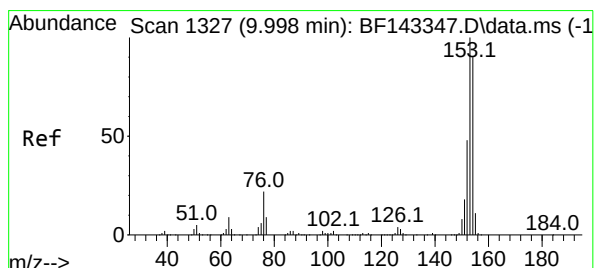
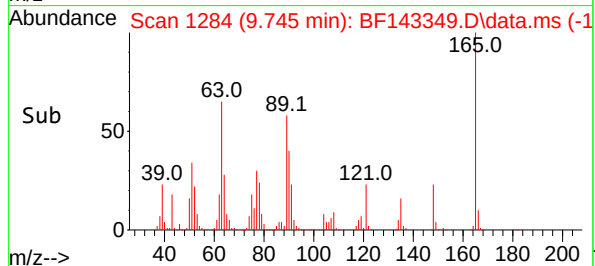
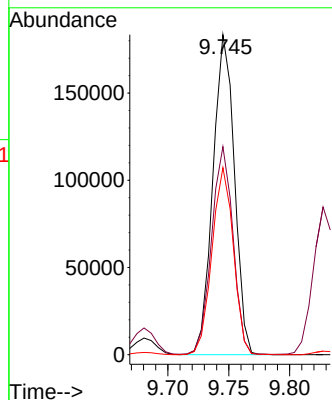
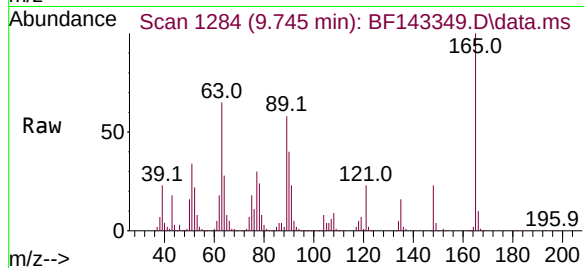
Tgt Ion:165 Resp: 224724

Ion Ratio Lower Upper

165 100

63 65.0 51.6 77.4

89 58.4 47.7 71.5



#52

Acenaphthene

Concen: 57.055 ng

RT: 10.004 min Scan# 1328

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

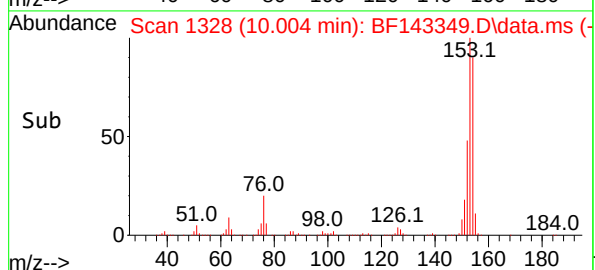
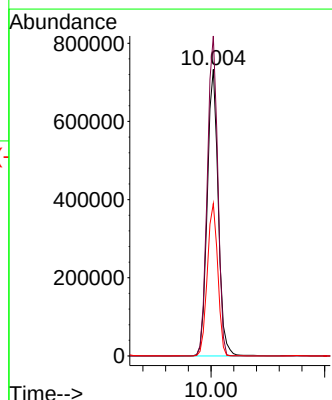
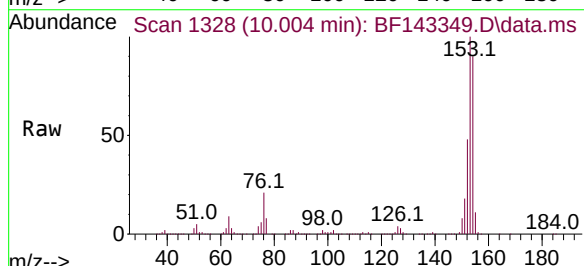
Tgt Ion:154 Resp: 977067

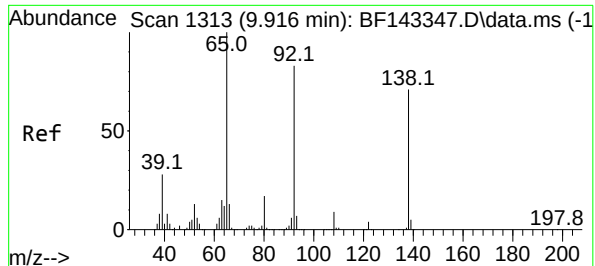
Ion Ratio Lower Upper

154 100

153 111.7 88.5 132.7

152 53.1 42.4 63.6





#53

3-Nitroaniline

Concen: 70.462 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

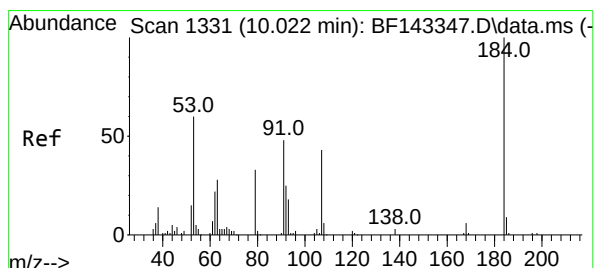
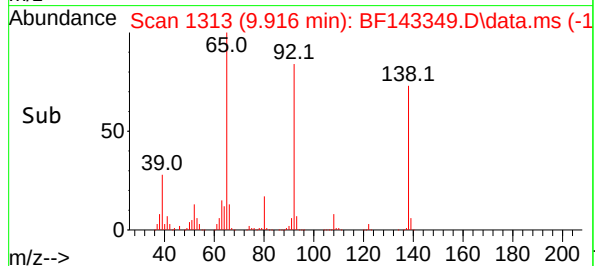
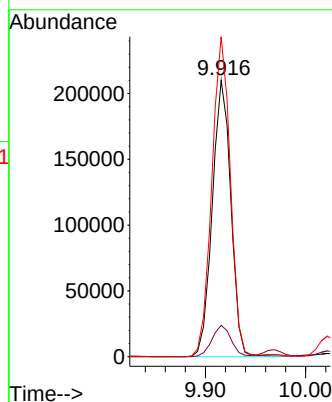
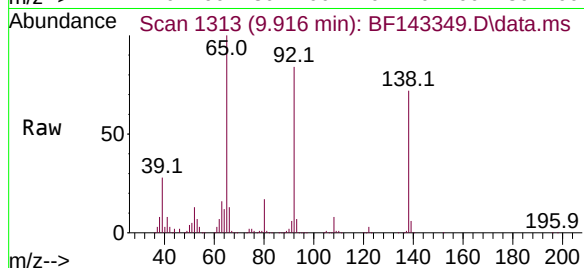
Tgt Ion:138 Resp: 270085

Ion Ratio Lower Upper

138 100

108 11.3 9.6 14.4

92 115.8 93.4 140.2



#54

2,4-Dinitrophenol

Concen: 62.319 ng

RT: 10.022 min Scan# 1331

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

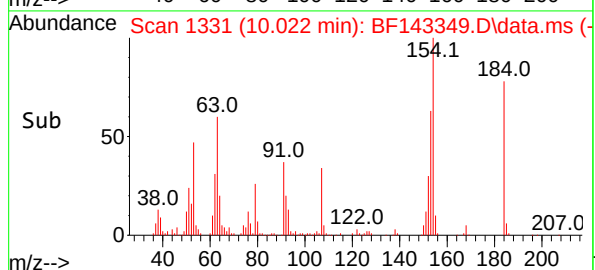
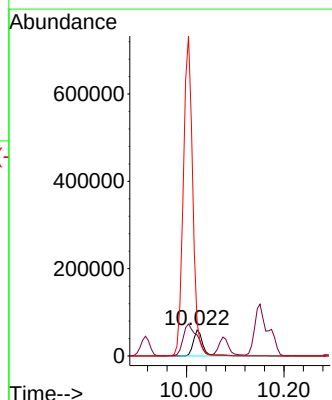
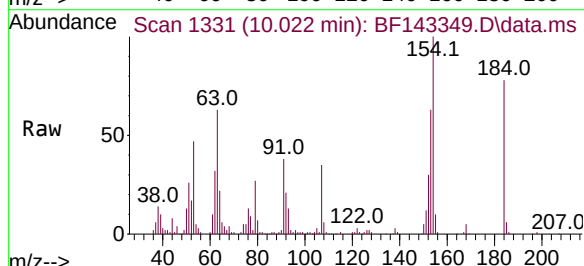
Tgt Ion:184 Resp: 82451

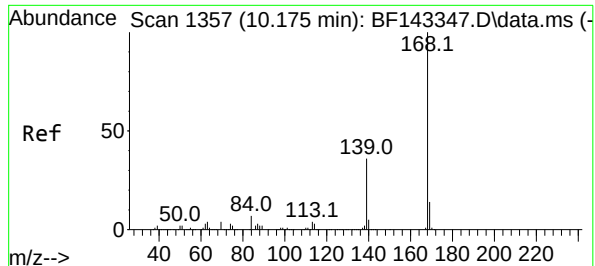
Ion Ratio Lower Upper

184 100

63 81.0 62.5 93.7

154 128.7 73.0 109.4#





#55

Dibenzenofuran

Concen: 56.379 ng

RT: 10.175 min Scan# 1357

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

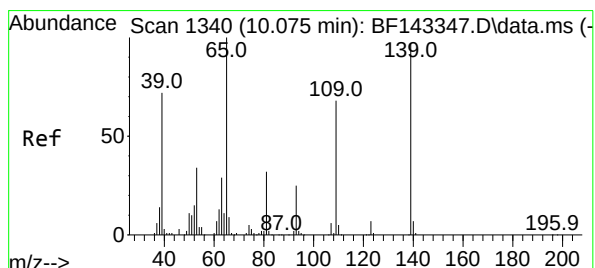
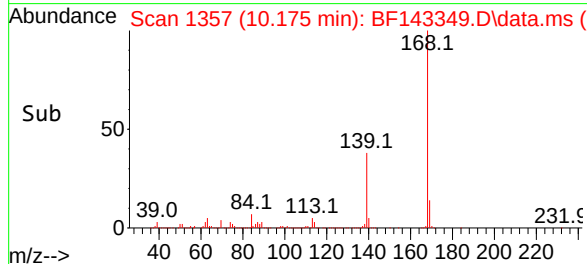
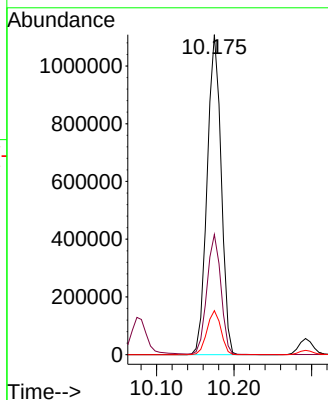
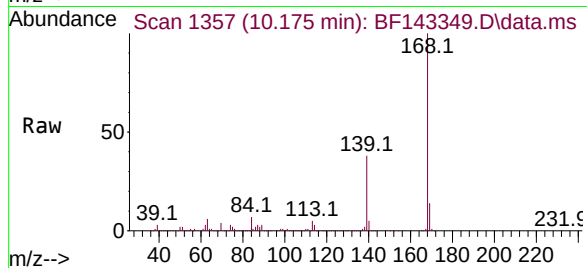
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 1389556

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.4	44.0
169	13.8	11.0	16.6



#56

4-Nitrophenol

Concen: 62.130 ng

RT: 10.075 min Scan# 1340

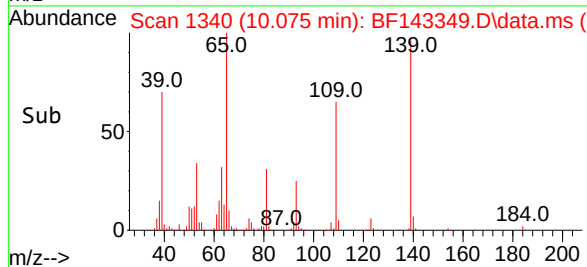
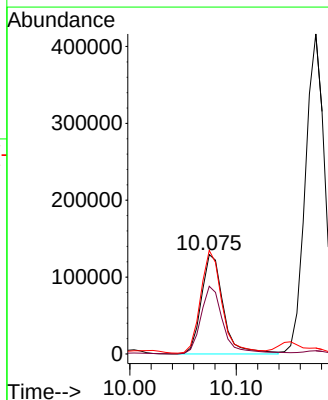
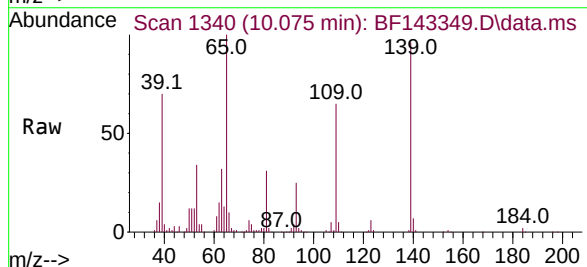
Delta R.T. -0.000 min

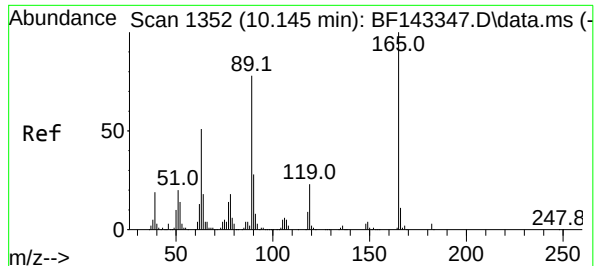
Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Tgt Ion:139 Resp: 186307

Ion	Ratio	Lower	Upper
139	100		
109	68.0	49.4	89.4
65	104.1	83.7	123.7





#57

2,4-Dinitrotoluene

Concen: 61.944 ng

RT: 10.151 min Scan# 1353

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

Tgt Ion:165 Resp: 295520

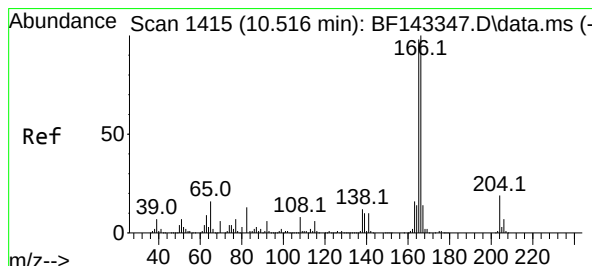
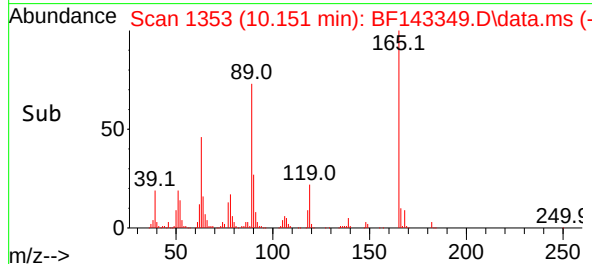
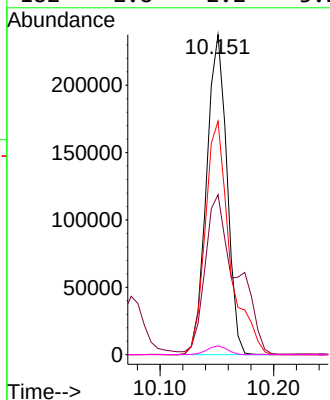
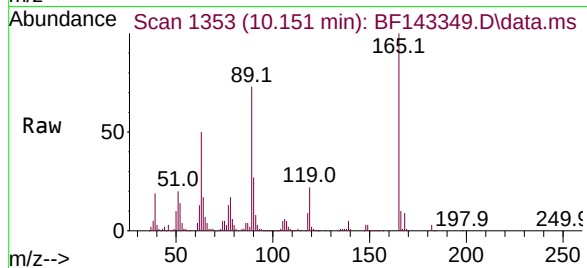
Ion Ratio Lower Upper

165 100

63 50.0 41.8 62.8

89 73.0 62.4 93.6

182 2.8 2.2 3.2



#58

Fluorene

Concen: 55.570 ng

RT: 10.516 min Scan# 1415

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

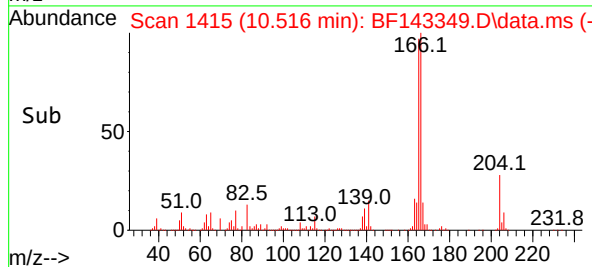
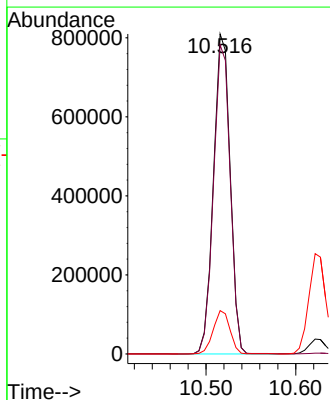
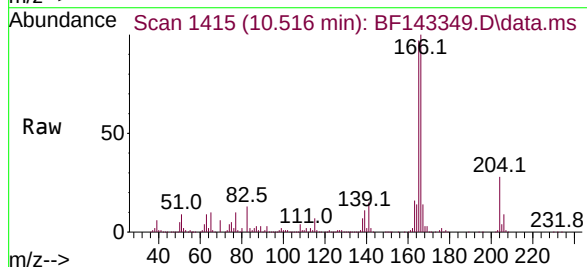
Tgt Ion:166 Resp: 1046138

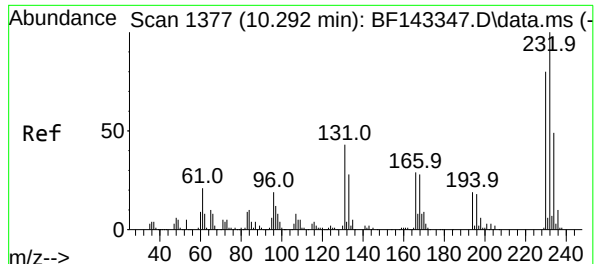
Ion Ratio Lower Upper

166 100

165 96.6 78.2 117.4

167 13.6 10.9 16.3

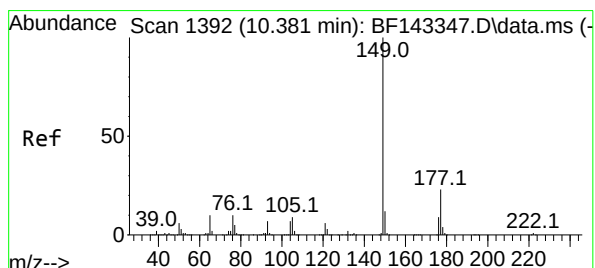
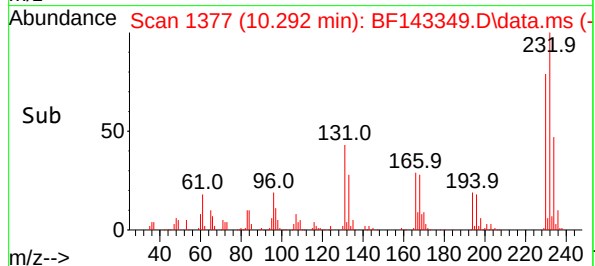
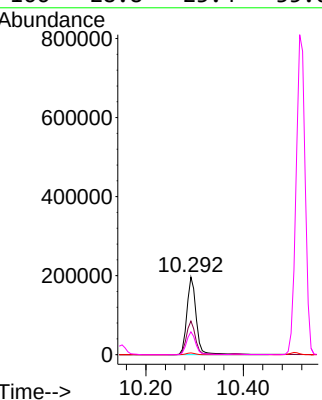
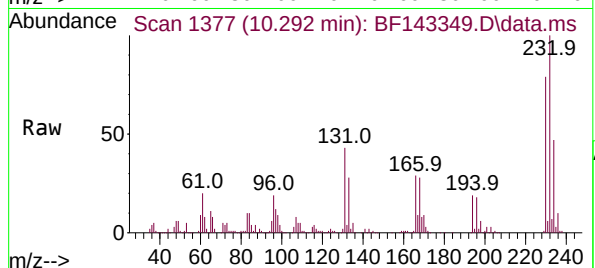




#59
2,3,4,6-Tetrachlorophenol
Concen: 70.050 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

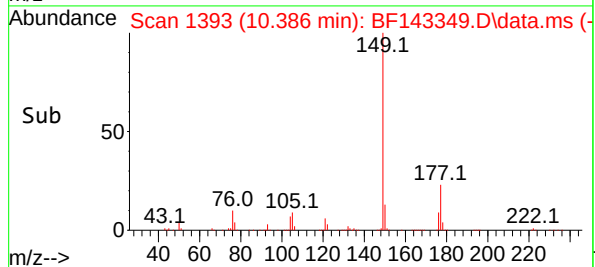
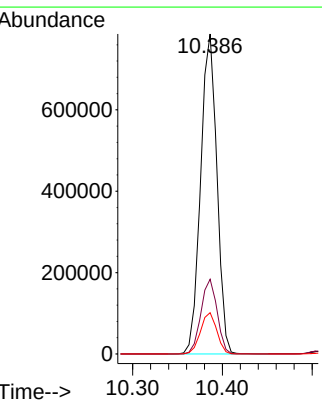
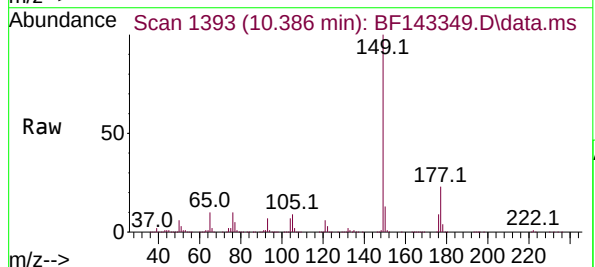
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

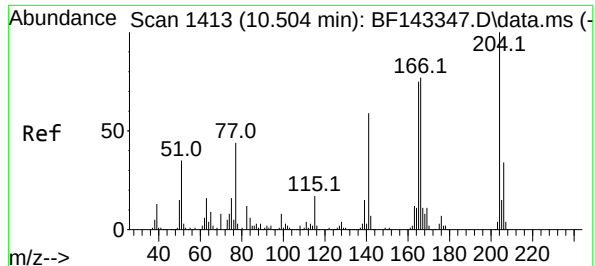
Tgt Ion:232 Resp: 265201
Ion Ratio Lower Upper
232 100
131 42.0 34.6 51.8
130 2.1 1.7 2.5
166 28.8 23.4 35.0



#60
Diethylphthalate
Concen: 59.094 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 990716
Ion Ratio Lower Upper
149 100
177 23.4 18.2 27.2
150 12.9 9.9 14.9

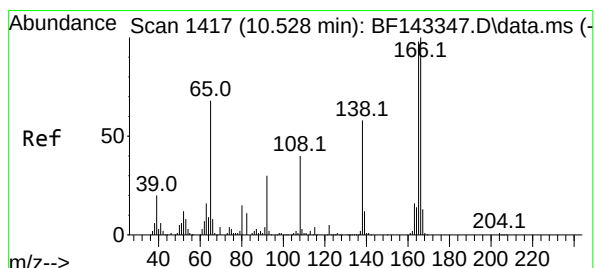
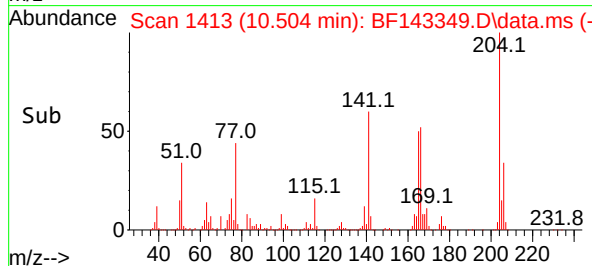
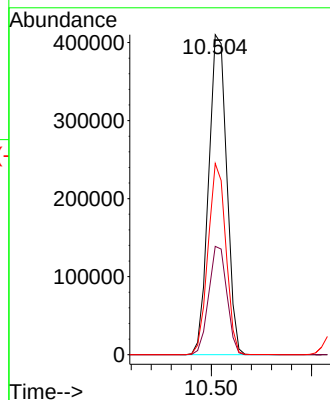
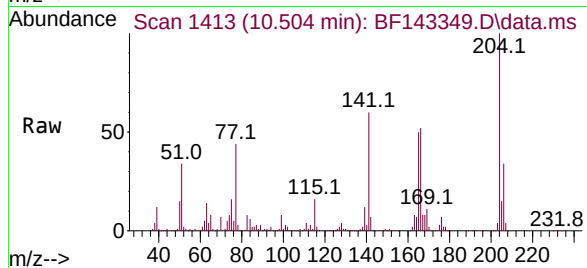




#61
4-Chlorophenyl-phenylether
Concen: 56.664 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

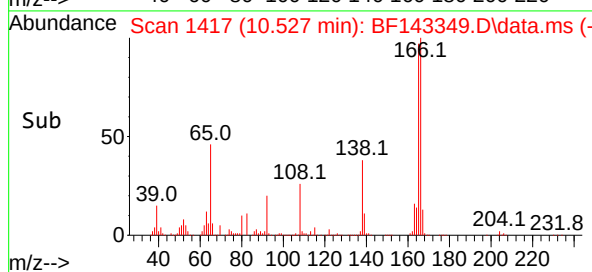
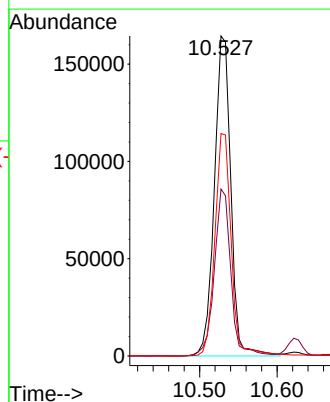
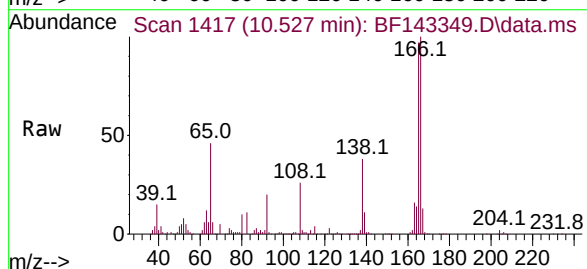
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

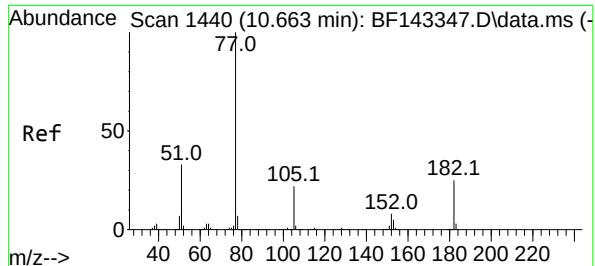
Tgt Ion:204 Resp: 515436
Ion Ratio Lower Upper
204 100
206 33.8 27.4 41.2
141 59.8 46.9 70.3



#62
4-Nitroaniline
Concen: 65.508 ng
RT: 10.527 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:138 Resp: 242938
Ion Ratio Lower Upper
138 100
92 52.2 31.2 71.2
108 69.5 48.1 88.1

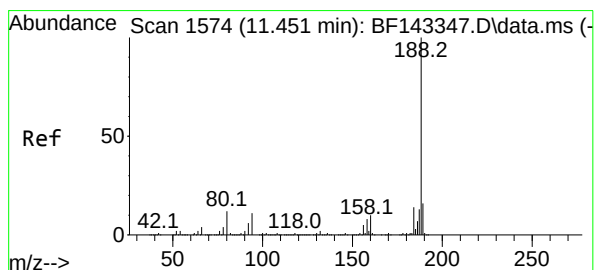
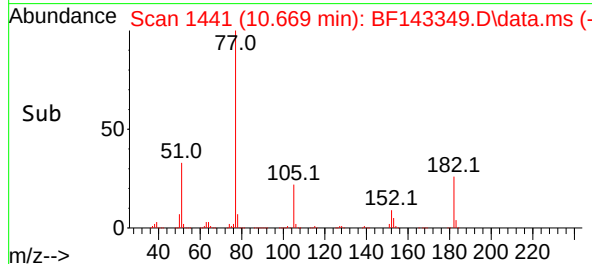
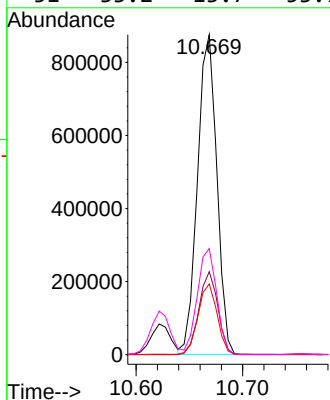
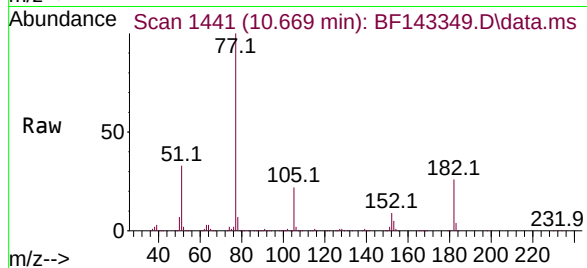




#63
Azobenzene
Concen: 57.669 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

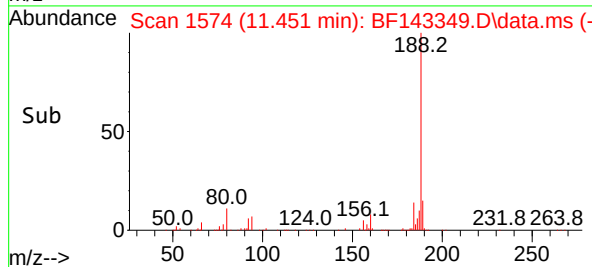
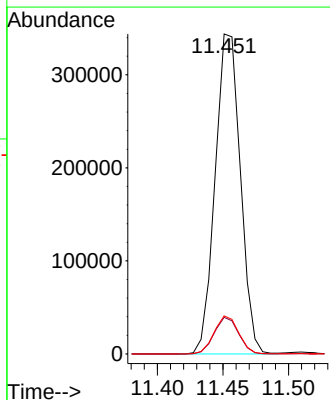
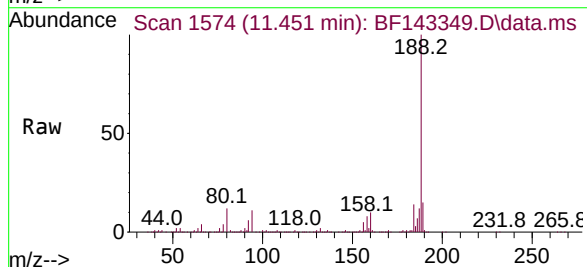
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

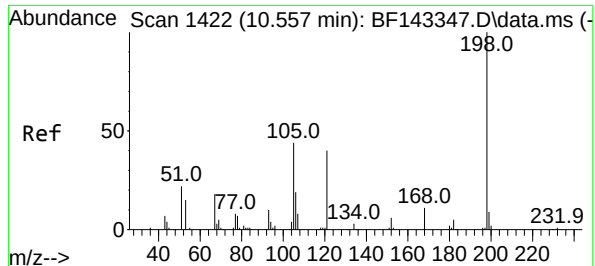
Tgt Ion: 77 Resp: 1104323
Ion Ratio Lower Upper
77 100
182 26.0 4.4 44.4
105 22.1 1.8 41.8
51 33.2 13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 188 Resp: 460173
Ion Ratio Lower Upper
188 100
94 11.4 8.8 13.2
80 11.9 9.7 14.5

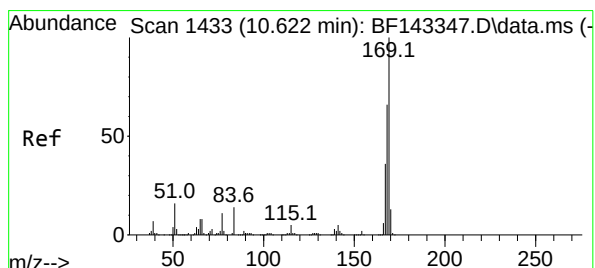
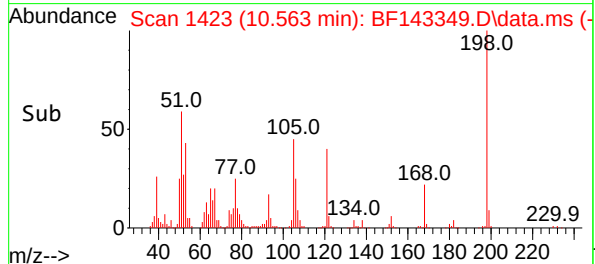
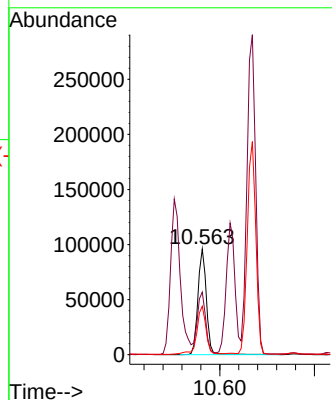
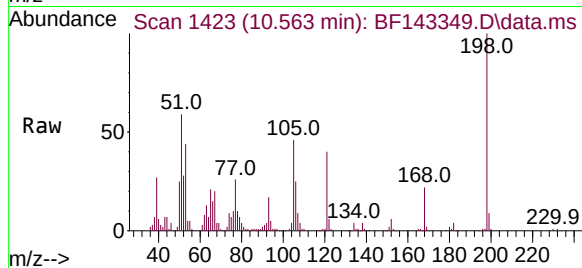




#65
4,6-Dinitro-2-methylphenol
Concen: 61.844 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

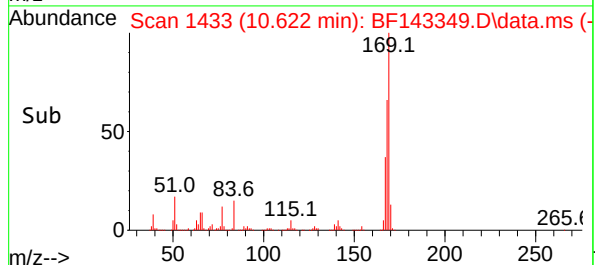
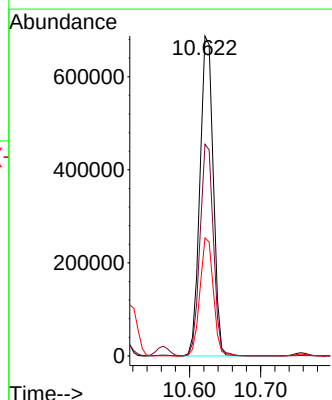
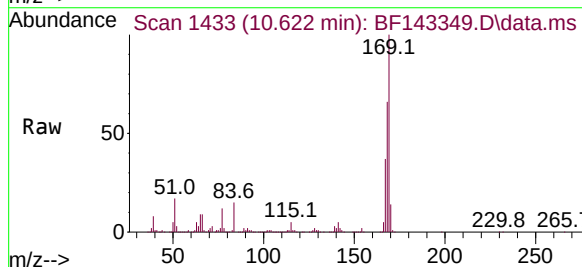
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

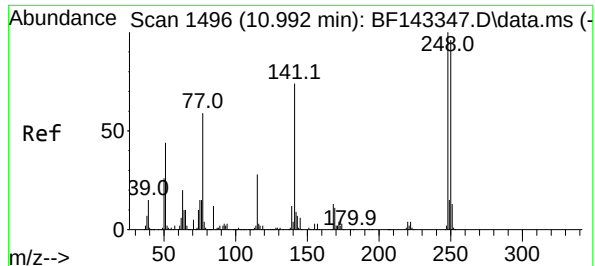
Tgt Ion:198 Resp: 119734
Ion Ratio Lower Upper
198 100
51 59.2 41.7 81.7
105 45.8 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 59.328 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:169 Resp: 898967
Ion Ratio Lower Upper
169 100
168 66.2 52.7 79.1
167 36.9 28.6 42.8





#67

4-Bromophenyl-phenylether

Concen: 60.555 ng

RT: 10.998 min Scan# 1496

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

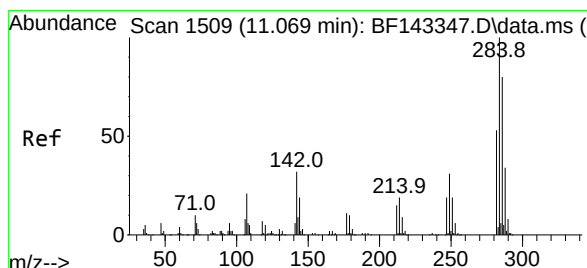
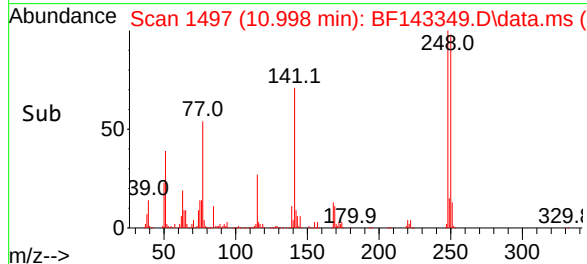
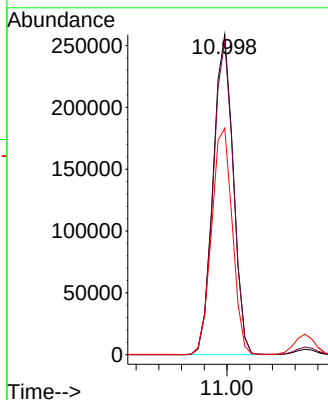
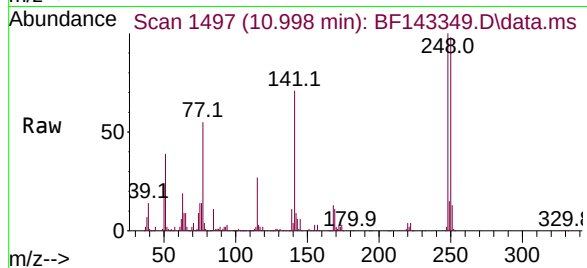
Tgt Ion:248 Resp: 318696

Ion Ratio Lower Upper

248 100

250 98.0 77.1 115.7

141 70.8 59.1 88.7



#68

Hexachlorobenzene

Concen: 60.282 ng

RT: 11.069 min Scan# 1509

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

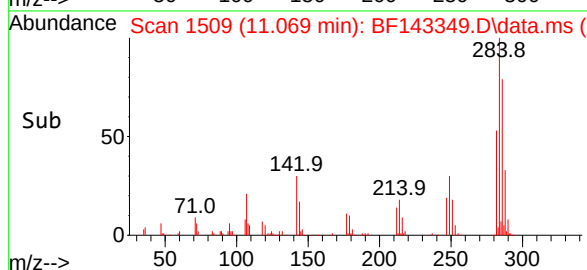
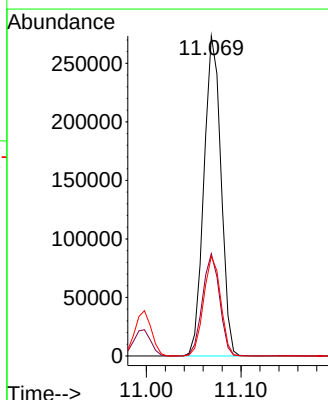
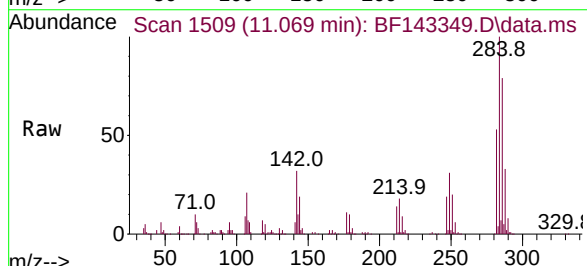
Tgt Ion:284 Resp: 341976

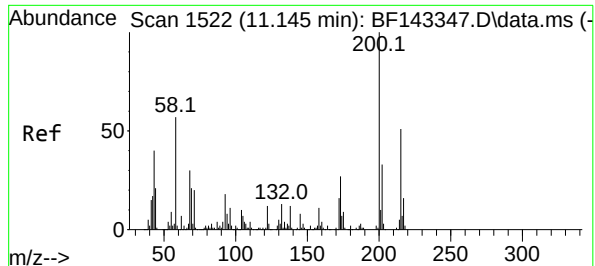
Ion Ratio Lower Upper

284 100

142 32.0 25.7 38.5

249 31.1 24.6 37.0





#69

Atrazine

Concen: 63.410 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

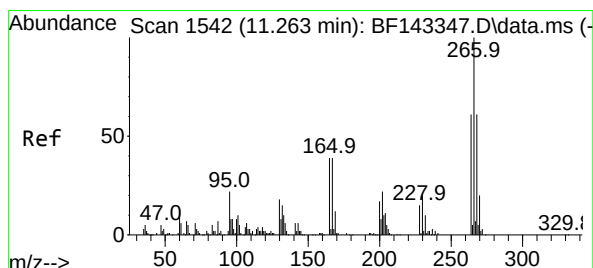
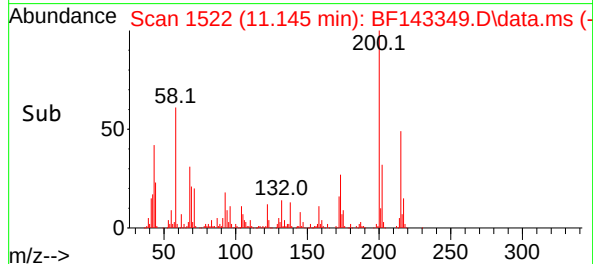
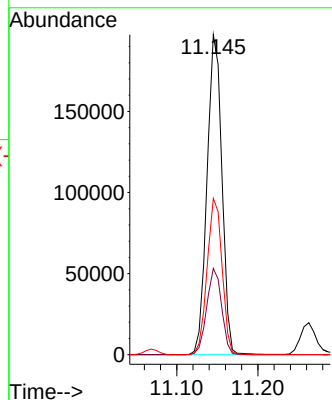
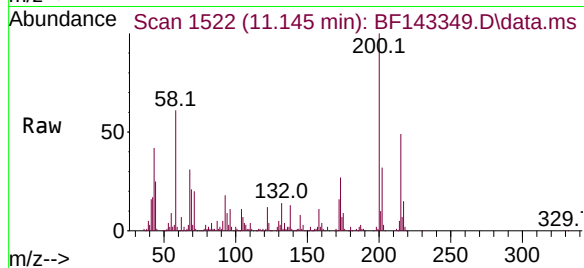
Tgt Ion:200 Resp: 250602

Ion Ratio Lower Upper

200 100

173 27.0 6.6 46.6

215 48.9 30.6 70.6



#70

Pentachlorophenol

Concen: 61.169 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

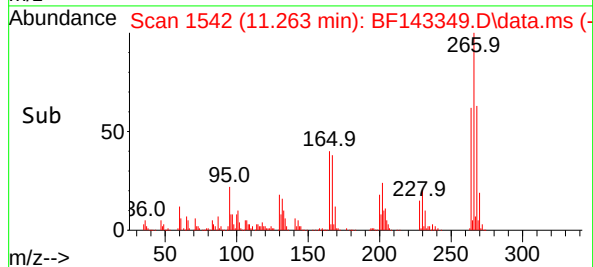
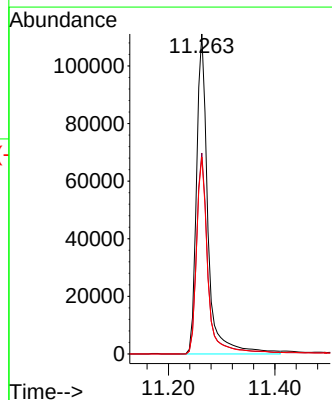
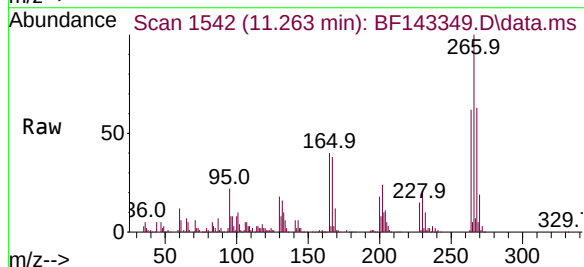
Tgt Ion:266 Resp: 165675

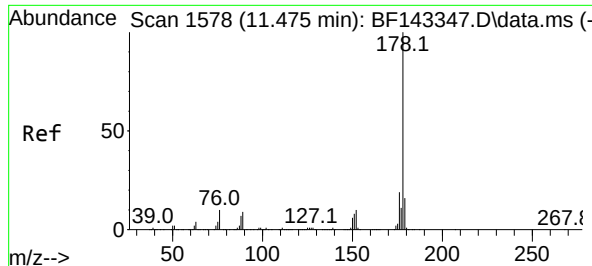
Ion Ratio Lower Upper

266 100

268 62.8 48.8 73.2

264 61.5 48.8 73.2

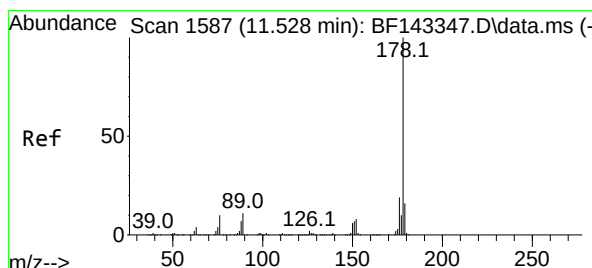
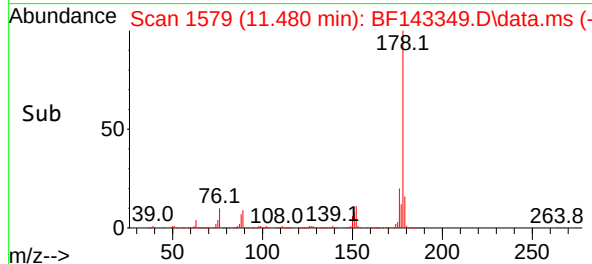
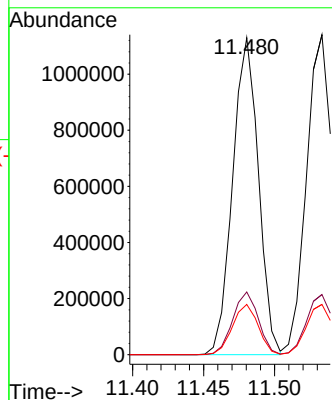
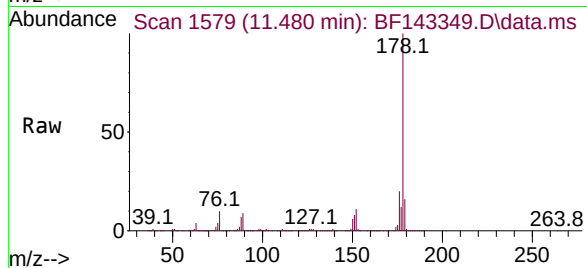




#71
Phenanthrene
Concen: 56.831 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

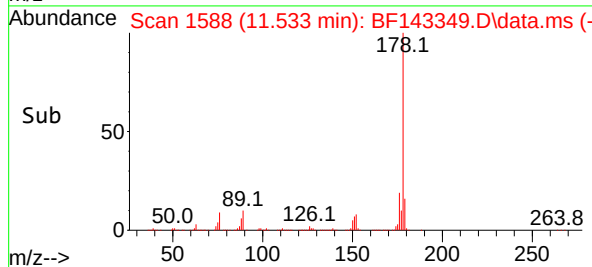
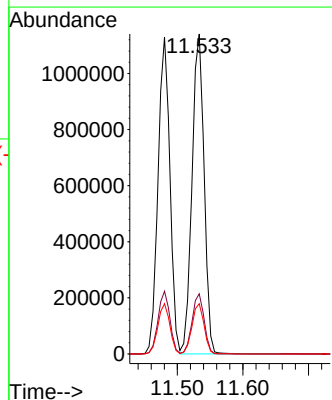
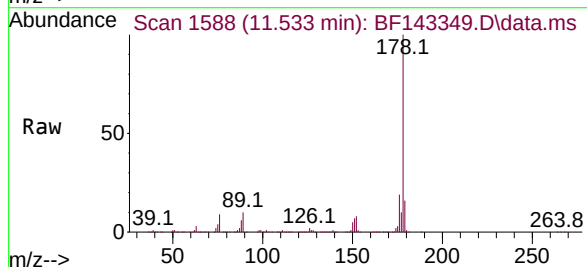
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

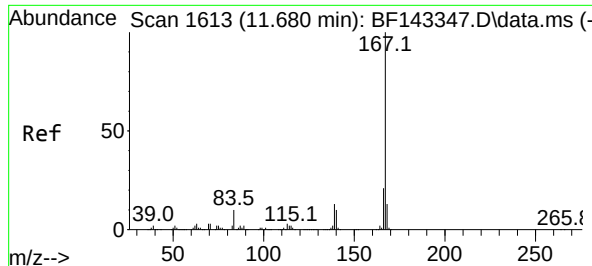
Tgt Ion:178 Resp: 1426848
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.9 12.5 18.7



#72
Anthracene
Concen: 57.330 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:178 Resp: 1459751
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.7 12.7 19.1

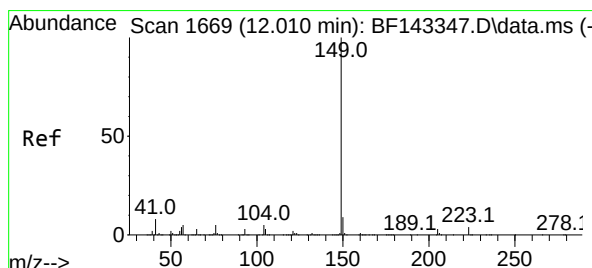
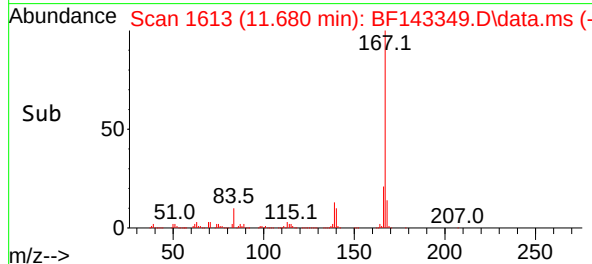
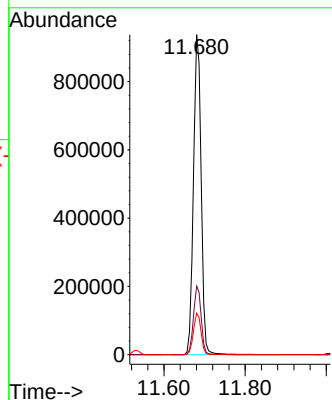
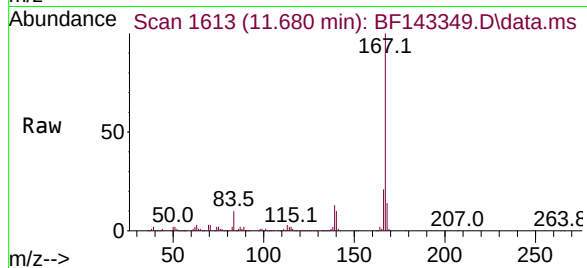




#73
Carbazole
Concen: 56.857 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

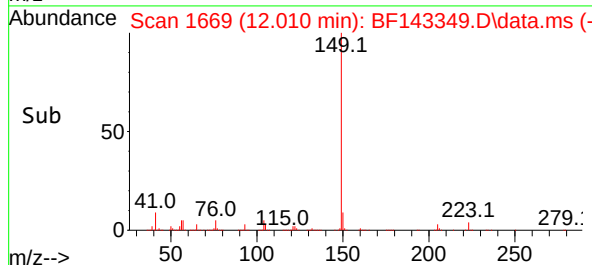
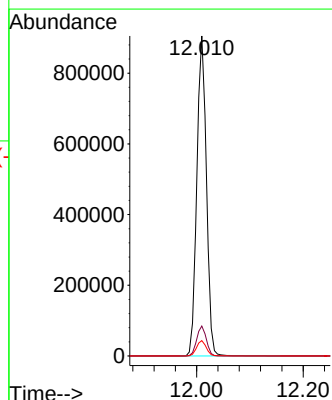
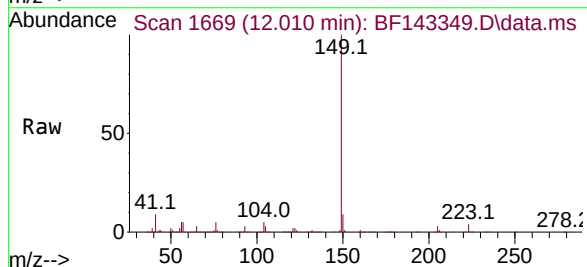
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

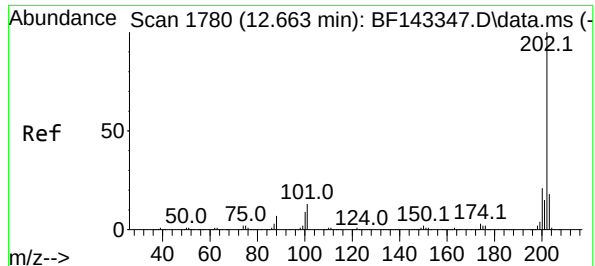
Tgt Ion:167 Resp: 1232939
Ion Ratio Lower Upper
167 100
166 21.5 16.8 25.2
139 13.0 10.2 15.2



#74
Di-n-butylphthalate
Concen: 61.437 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 1127365
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.8 3.8 5.8

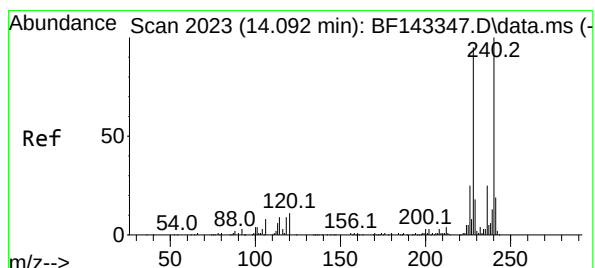
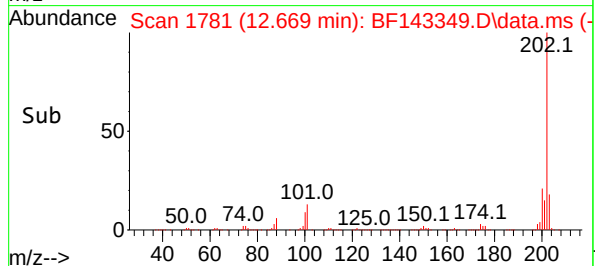
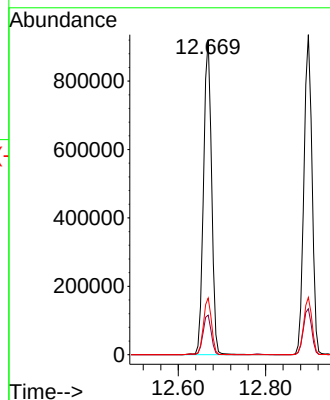
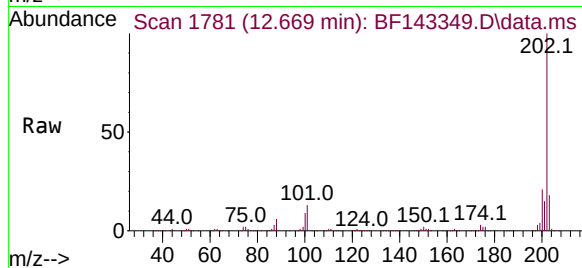




#75
Fluoranthene
Concen: 53.737 ng
RT: 12.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

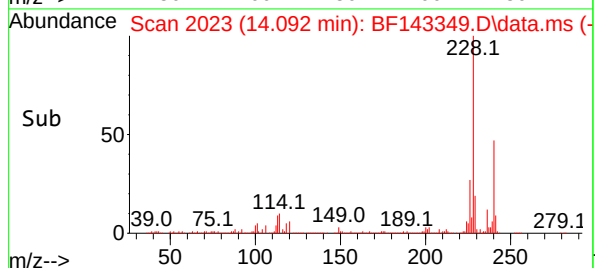
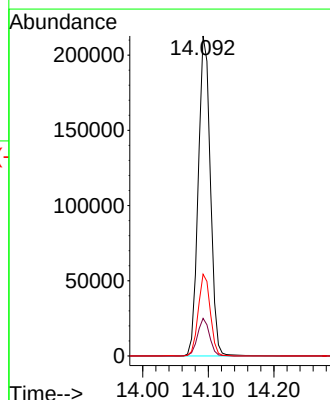
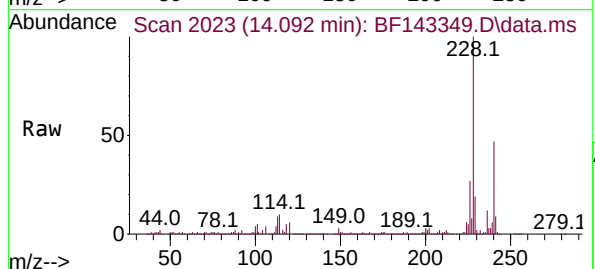
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

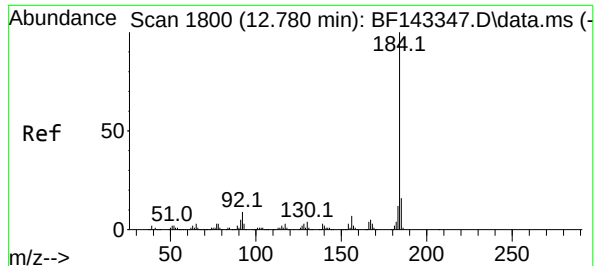
Tgt Ion:202 Resp: 1181812
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.2
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:240 Resp: 273246
Ion Ratio Lower Upper
240 100
120 11.7 9.0 13.6
236 25.6 19.9 29.9





#77

Benzidine

Concen: 56.115 ng

RT: 12.780 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

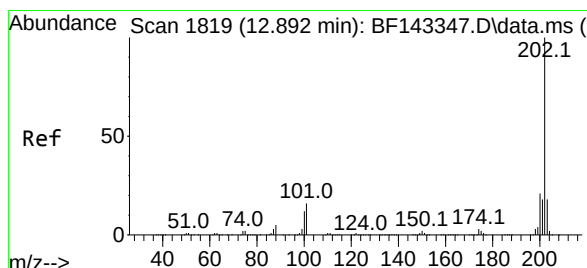
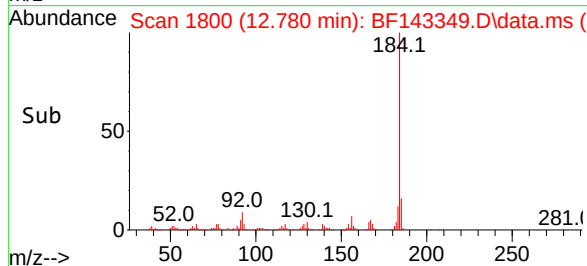
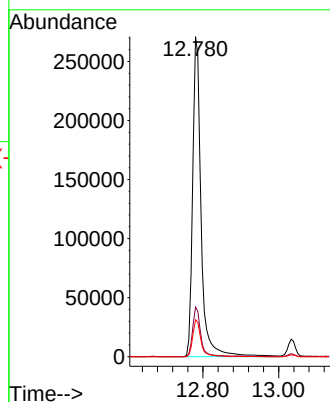
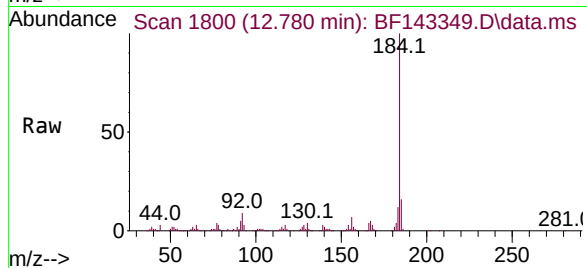
Tgt Ion:184 Resp: 419198

Ion Ratio Lower Upper

184 100

185 15.5 12.8 19.2

183 11.5 9.3 13.9



#78

Pyrene

Concen: 52.212 ng

RT: 12.898 min Scan# 1820

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

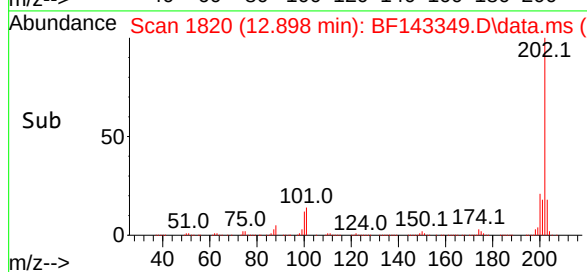
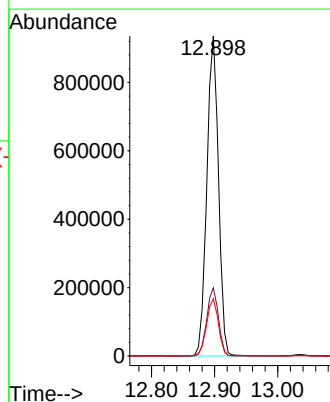
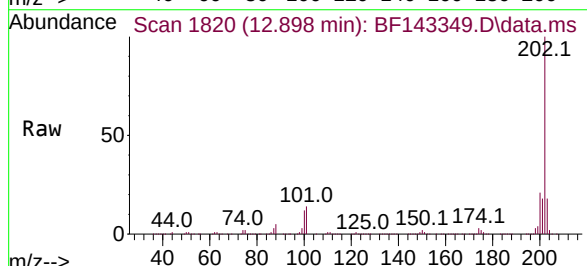
Tgt Ion:202 Resp: 1196849

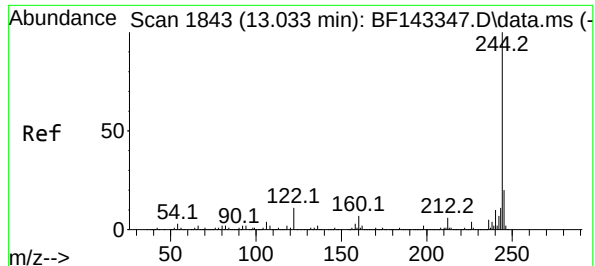
Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 102.507 ng

RT: 13.033 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

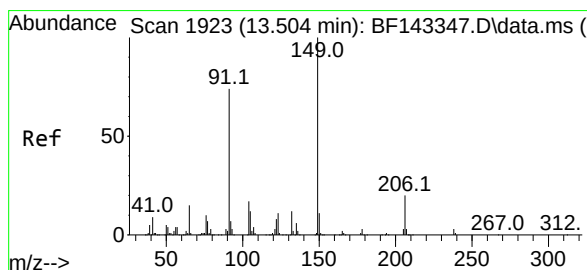
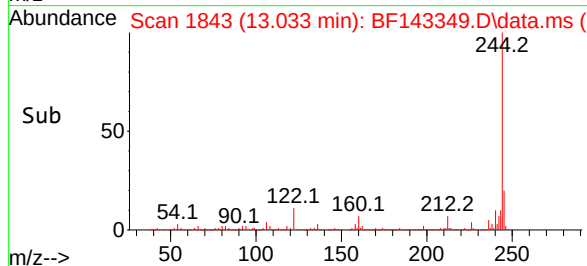
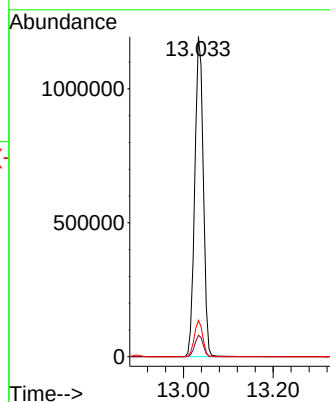
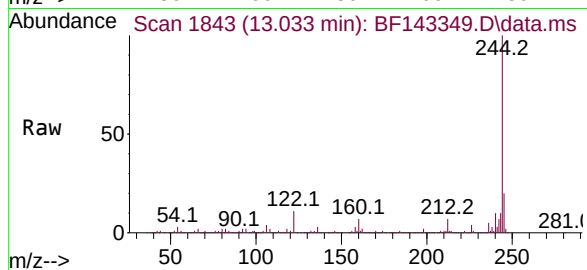
Tgt Ion:244 Resp: 1568868

Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 11.3 8.9 13.3



#80

Butylbenzylphthalate

Concen: 61.669 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

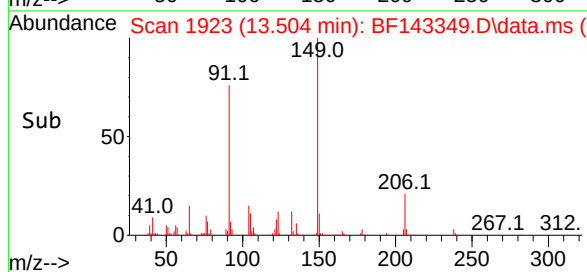
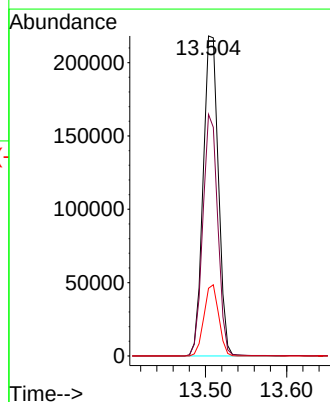
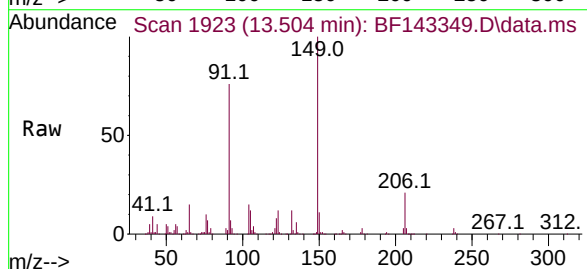
Tgt Ion:149 Resp: 283998

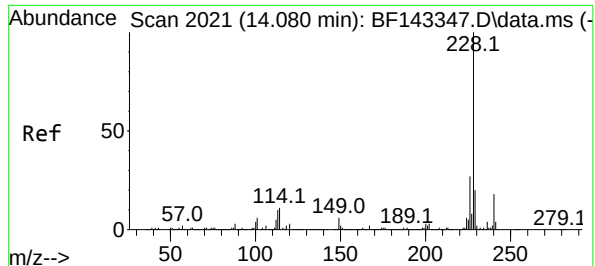
Ion Ratio Lower Upper

149 100

91 75.5 58.8 88.2

206 21.2 16.4 24.6

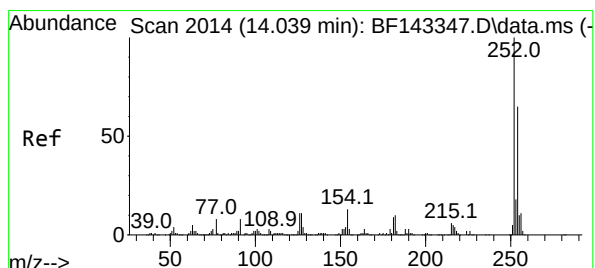
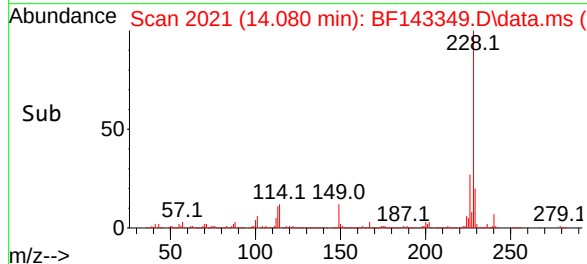
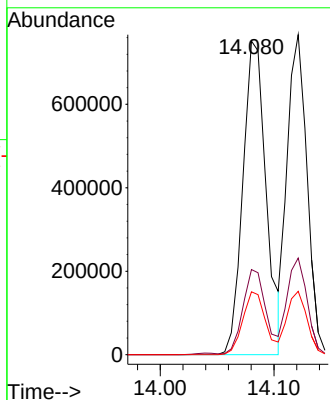
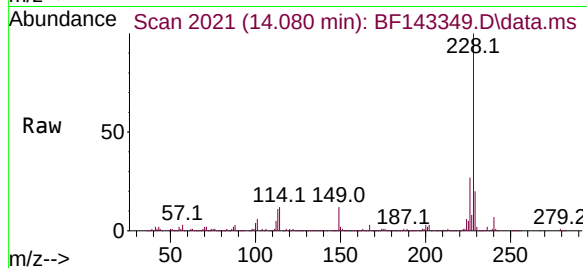




#81
Benzo(a)anthracene
Concen: 61.763 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

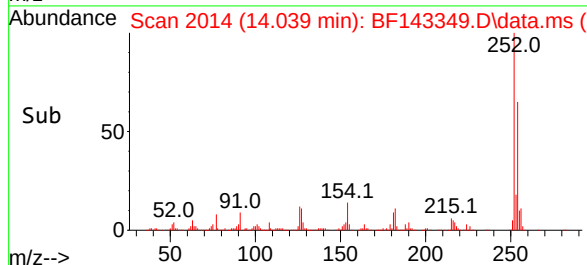
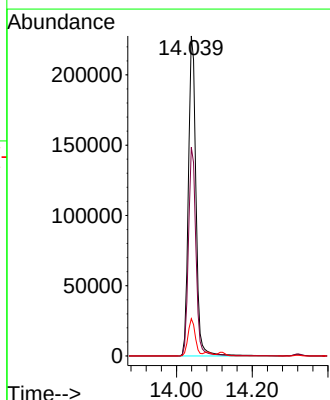
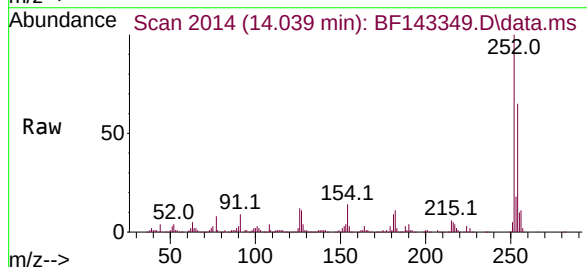
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

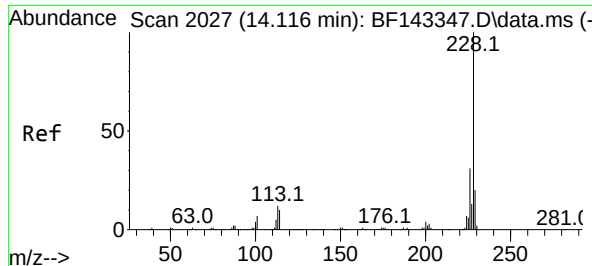
Tgt Ion:228 Resp: 1072649
Ion Ratio Lower Upper
228 100
226 27.2 22.0 33.0
229 20.1 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 66.762 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:252 Resp: 313084
Ion Ratio Lower Upper
252 100
254 65.2 51.7 77.5
126 11.7 9.2 13.8





#83

Chrysene

Concen: 57.863 ng

RT: 14.121 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

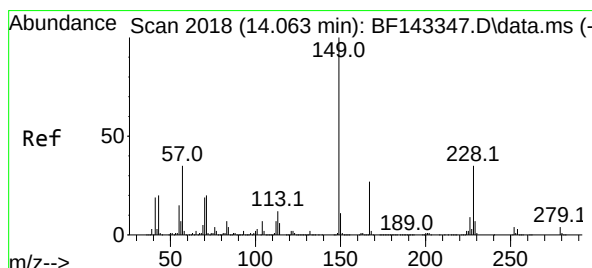
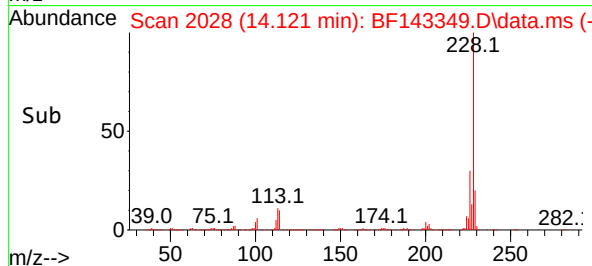
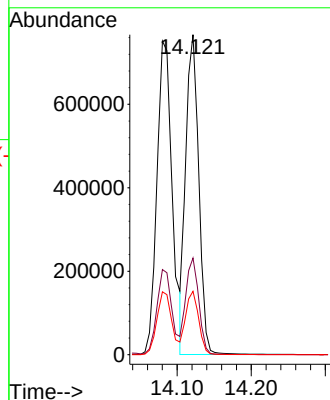
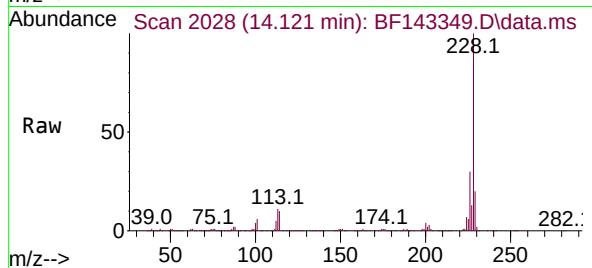
Tgt Ion:228 Resp: 937047

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.688 ng

RT: 14.068 min Scan# 2019

Delta R.T. 0.005 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

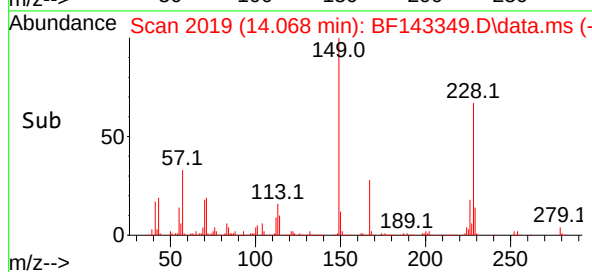
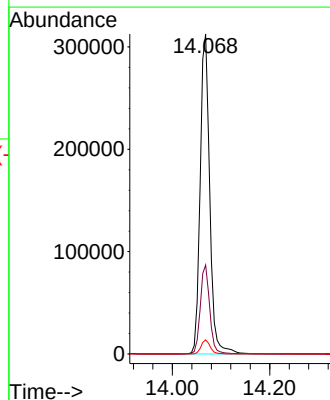
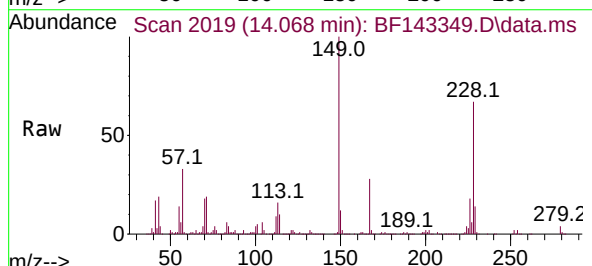
Tgt Ion:149 Resp: 426553

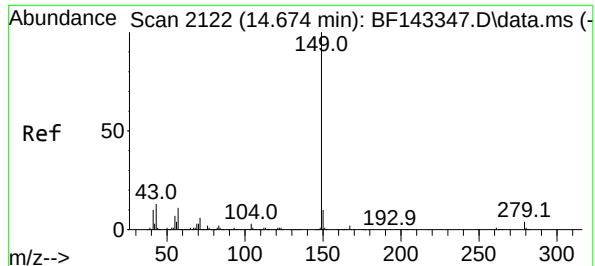
Ion Ratio Lower Upper

149 100

167 27.8 21.4 32.0

279 4.4 3.2 4.8

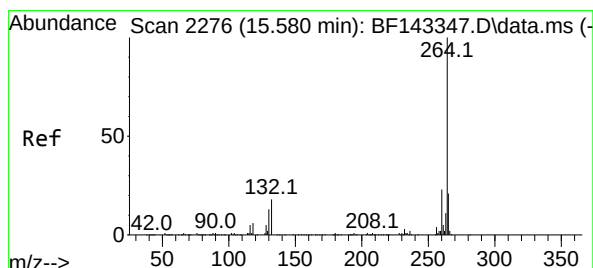
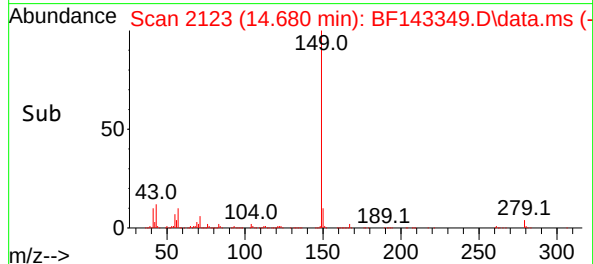
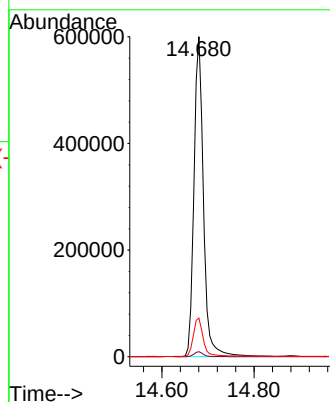
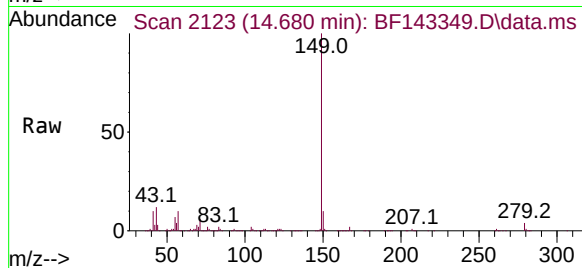




#85
Di-n-octyl phthalate
Concen: 62.516 ng
RT: 14.680 min Scan# 2122
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

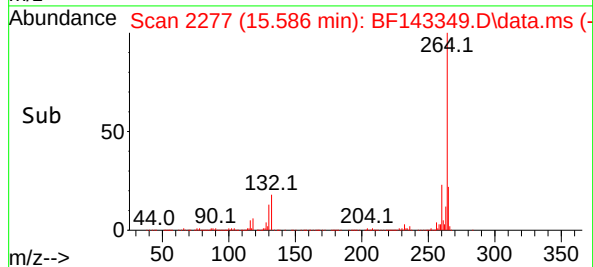
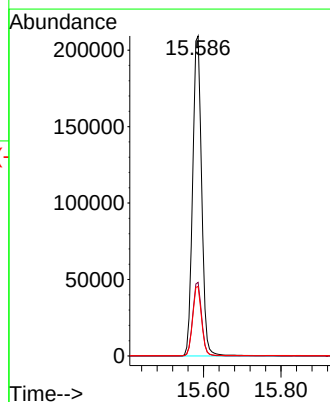
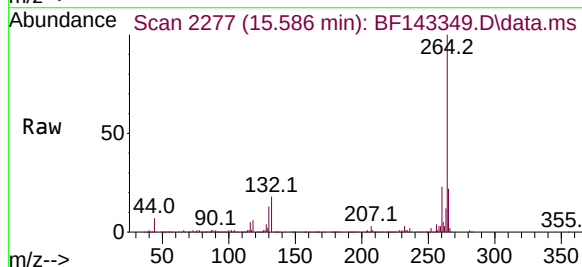
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

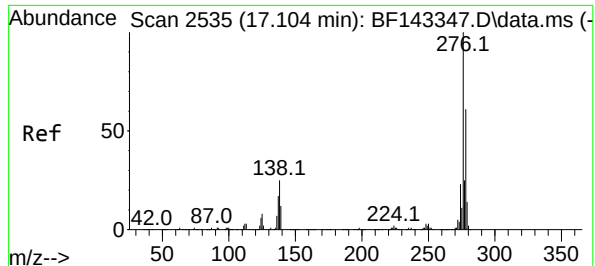
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.9	10.8	16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.7	17.2	25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 60.440 ng

RT: 17.115 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

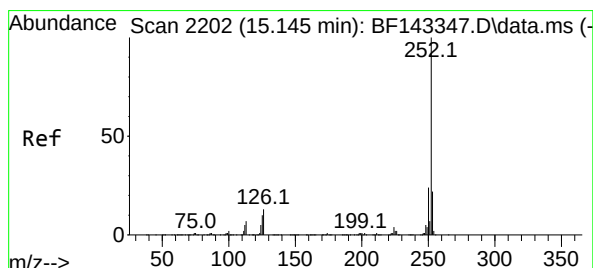
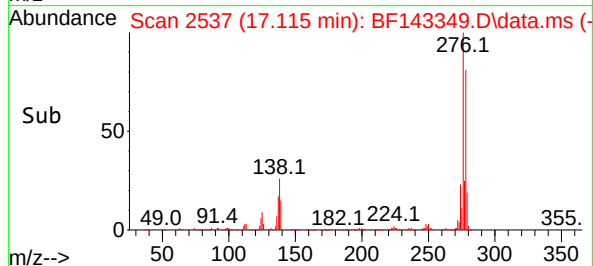
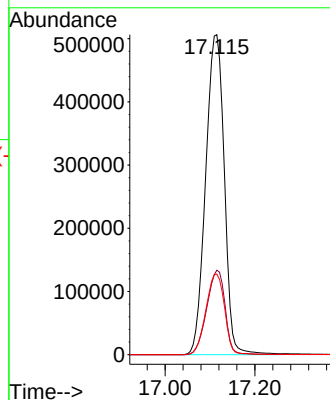
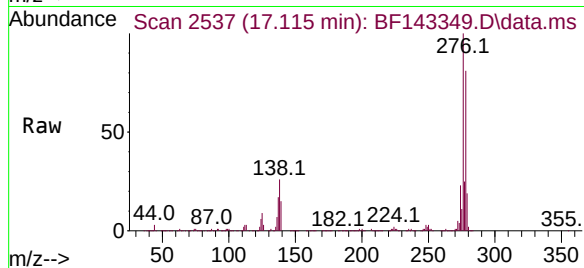
Tgt Ion:276 Resp: 1462168

Ion Ratio Lower Upper

276 100

138 26.0 21.1 31.7

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 62.905 ng

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

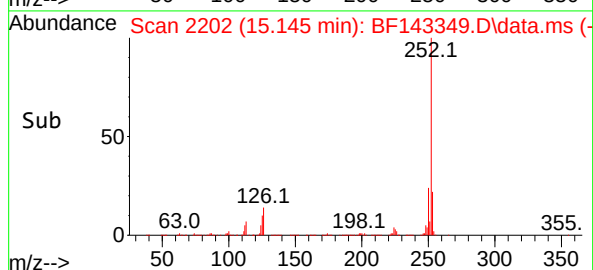
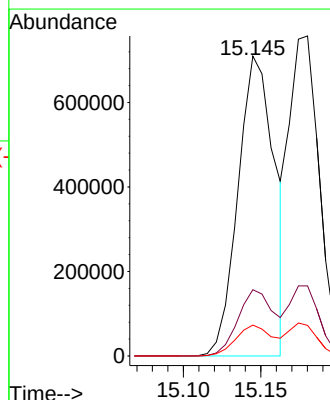
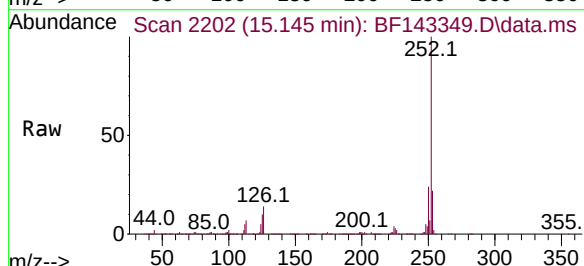
Tgt Ion:252 Resp: 1161807

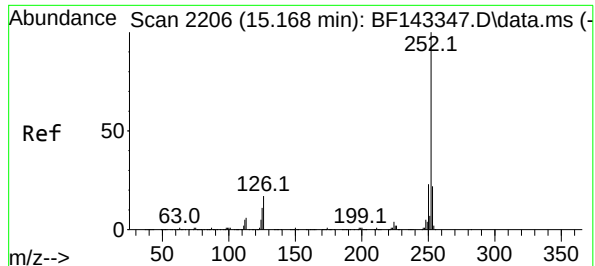
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 10.3 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 57.673 ng

RT: 15.180 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

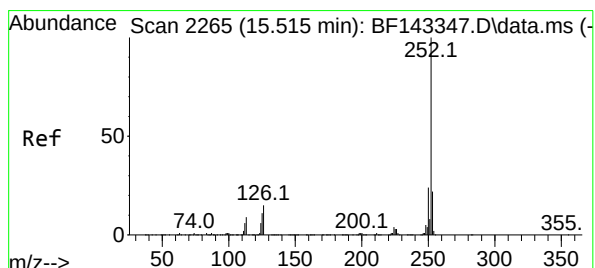
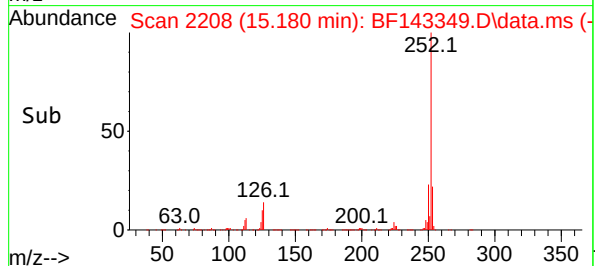
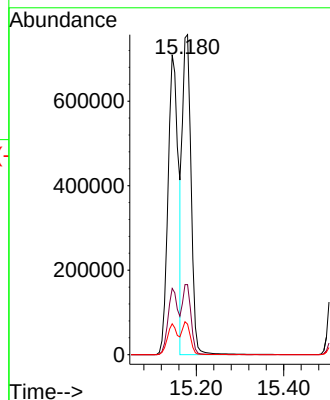
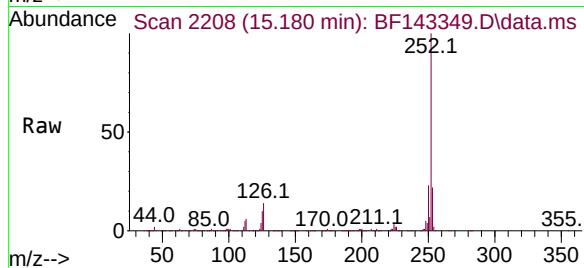
Tgt Ion:252 Resp: 1035022

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 9.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 60.510 ng

RT: 15.521 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

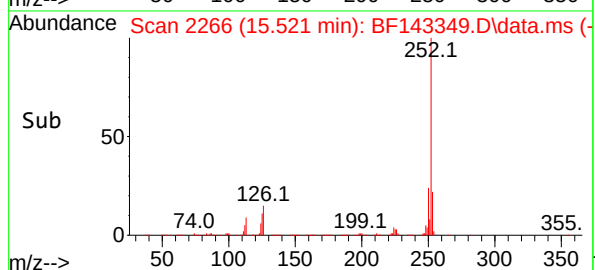
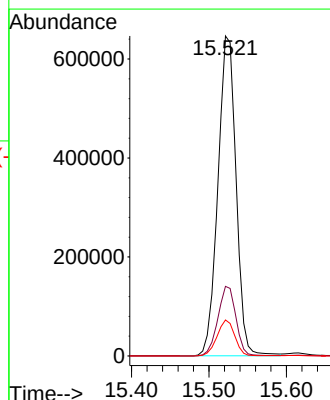
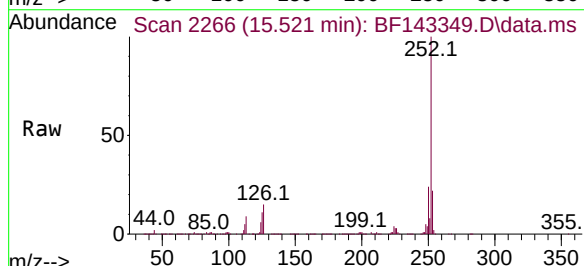
Tgt Ion:252 Resp: 1052580

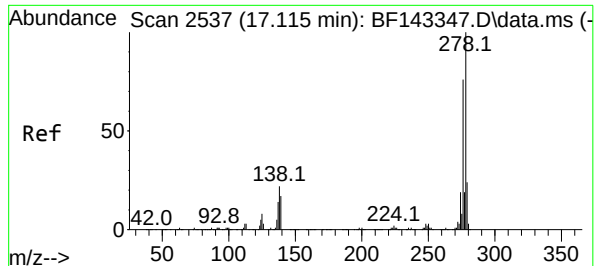
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 11.3 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 60.556 ng

RT: 17.127 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

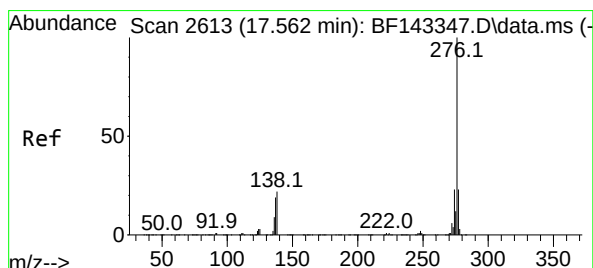
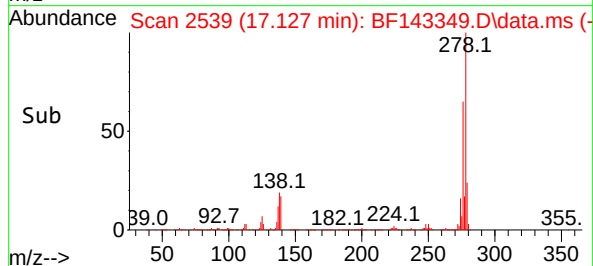
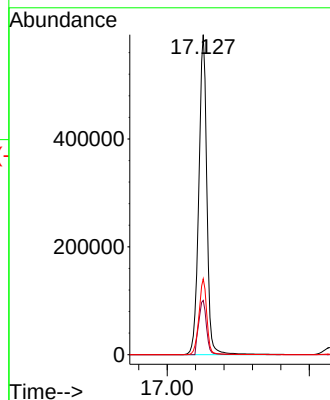
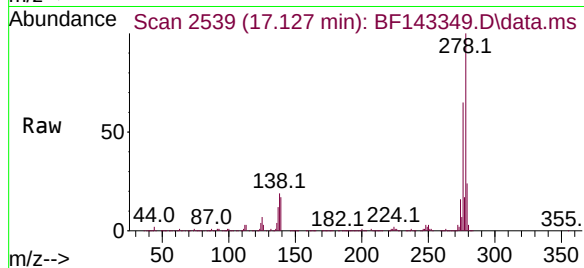
Tgt Ion:278 Resp: 1170363

Ion Ratio Lower Upper

278 100

139 16.9 14.0 21.0

279 23.7 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 60.761 ng

RT: 17.574 min Scan# 2615

Delta R.T. 0.012 min

Lab File: BF143349.D

Acq: 12 Aug 2025 12:07

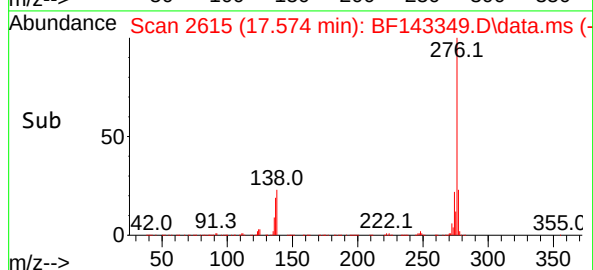
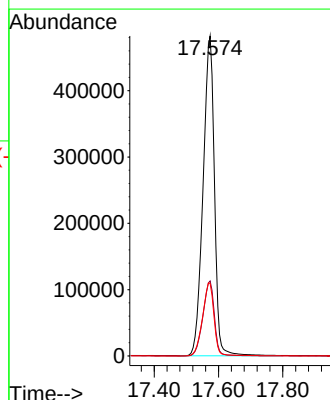
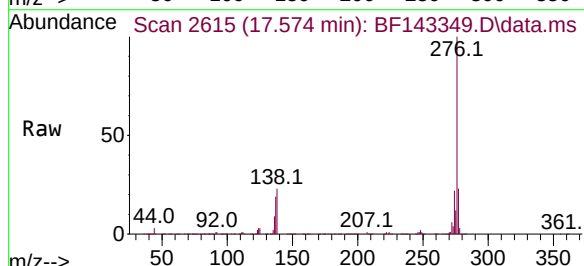
Tgt Ion:276 Resp: 1182985

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 22.7 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143350.D
 Acq On : 12 Aug 2025 12:38
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 12 13:21:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	161665	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	625065	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	322984	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	448378	20.000	ng	0.00
76) Chrysene-d12	14.098	240	287871	20.000	ng	0.00
86) Perylene-d12	15.586	264	348017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	1409194	150.735	ng	0.00
7) Phenol-d6	6.569	99	1792088	149.482	ng	0.00
23) Nitrobenzene-d5	7.498	82	1619091	161.306	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	411864	174.486	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	2457872	129.045	ng	0.00
79) Terphenyl-d14	13.039	244	1935761	120.053	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.757	88	379076	78.360	ng	99
3) Pyridine	3.534	79	1042960	80.904	ng	98
4) n-Nitrosodimethylamine	3.493	42	494211	82.300	ng	99
6) Aniline	6.598	93	1263279	74.743	ng	95
8) 2-Chlorophenol	6.722	128	793255	79.409	ng	98
10) Phenol	6.586	94	1037512	73.052	ng	76
11) bis(2-Chloroethyl)ether	6.669	93	798392	76.275	ng	100
12) 1,3-Dichlorobenzene	6.875	146	830769	72.101	ng	98
13) 1,4-Dichlorobenzene	6.951	146	837059	72.382	ng	99
14) 1,2-Dichlorobenzene	7.104	146	806180	73.439	ng	100
15) Benzyl Alcohol	7.075	79	697448	81.158	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	1335184	71.450	ng	98
17) 2-Methylphenol	7.186	107	654221	77.585	ng	98
18) Hexachloroethane	7.445	117	286839	79.115	ng	99
19) n-Nitroso-di-n-propyla...	7.351	70	541387	73.083	ng	98
20) 3+4-Methylphenols	7.339	107	727332	71.322	ng	93
22) Acetophenone	7.345	105	952975	69.195	ng	97
24) Nitrobenzene	7.516	77	868093	79.634	ng	99
25) Isophorone	7.757	82	1574935	76.861	ng	99
26) 2-Nitrophenol	7.828	139	376225	83.229	ng	99
27) 2,4-Dimethylphenol	7.869	122	667248	78.052	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	921854	73.686	ng	99
29) 2,4-Dichlorophenol	8.075	162	654545	78.392	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	649172	73.707	ng	99
31) Naphthalene	8.239	128	2098892	69.783	ng	99
32) Benzoic acid	8.004	122	354618	78.960	ng	99
33) 4-Chloroaniline	8.280	127	816103	75.228	ng	99
34) Hexachlorobutadiene	8.357	225	403199	73.592	ng	100
35) Caprolactam	8.669	113	197571	84.172	ng	97
36) 4-Chloro-3-methylphenol	8.769	107	674001	77.000	ng	98
37) 2-Methylnaphthalene	8.927	142	1370352	69.303	ng	99
38) 1-Methylnaphthalene	9.027	142	1328881	69.780	ng	100
40) 1,2,4,5-Tetrachloroben...	9.098	216	644623	72.936	ng	100
41) Hexachlorocyclopentadiene	9.086	237	259048	82.835	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	437022	87.149	ng	100
44) 2,4,5-Trichlorophenol	9.251	196	466807	82.433	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143350.D
 Acq On : 12 Aug 2025 12:38
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 12 13:21:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

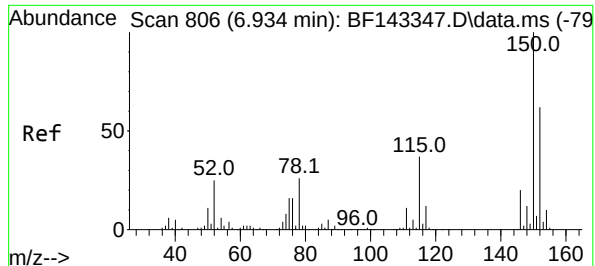
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.392	154	1580379	69.203	ng	99
47) 2-Chloronaphthalene	9.416	162	1295723	72.042	ng	99
48) 2-Nitroaniline	9.510	65	426490	80.247	ng	98
49) Acenaphthylene	9.833	152	1865988	71.842	ng	100
50) Dimethylphthalate	9.686	163	1425124	75.513	ng	100
51) 2,6-Dinitrotoluene	9.751	165	294018	80.211	ng	95
52) Acenaphthene	10.004	154	1221046	70.714	ng	99
53) 3-Nitroaniline	9.922	138	343541	88.887	ng	98
54) 2,4-Dinitrophenol	10.027	184	118753	79.041	ng #	84
55) Dibenzofuran	10.174	168	1738835	69.969	ng	98
56) 4-Nitrophenol	10.080	139	245374	79.477	ng	97
57) 2,4-Dinitrotoluene	10.151	165	383533	78.864	ng	97
58) Fluorene	10.522	166	1273759	67.103	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	349157	91.466	ng	98
60) Diethylphthalate	10.386	149	1258798	74.465	ng	99
61) 4-Chlorophenyl-phenyle...	10.510	204	643793	70.191	ng	98
62) 4-Nitroaniline	10.533	138	312667	83.616	ng	98
63) Azobenzene	10.669	77	1376109	71.269	ng	98
65) 4,6-Dinitro-2-methylph...	10.569	198	162929	83.490	ng	93
66) n-Nitrosodiphenylamine	10.627	169	1124872	76.190	ng	100
67) 4-Bromophenyl-phenylether	10.998	248	405148	79.007	ng	97
68) Hexachlorobenzene	11.074	284	431148	78.001	ng	96
69) Atrazine	11.151	200	309748	80.438	ng	99
70) Pentachlorophenol	11.263	266	218250	80.616	ng	97
71) Phenanthrene	11.480	178	1745493	71.351	ng	99
72) Anthracene	11.533	178	1758274	70.871	ng	100
73) Carbazole	11.686	167	1479652	70.029	ng	99
74) Di-n-butylphthalate	12.010	149	1398975	78.244	ng	100
75) Fluoranthene	12.668	202	1470742	68.634	ng	99
77) Benzidine	12.786	184	500314	63.571	ng	98
78) Pyrene	12.898	202	1513789	62.684	ng	99
80) Butylbenzylphthalate	13.510	149	413801	84.007	ng	98
81) Benzo(a)anthracene	14.086	228	1387766	75.847	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	412736	83.540	ng	99
83) Chrysene	14.121	228	1263816	74.077	ng	98
84) Bis(2-ethylhexyl)phtha...	14.068	149	611031	83.803	ng	98
85) Di-n-octyl phthalate	14.680	149	1205873	81.478	ng	98
87) Indeno(1,2,3-cd)pyrene	17.121	276	1963736	78.760	ng	99
88) Benzo(b)fluoranthene	15.151	252	1467752	77.108	ng	99
89) Benzo(k)fluoranthene	15.180	252	1429731	77.299	ng	99
90) Benzo(a)pyrene	15.527	252	1403212	78.270	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	1523387	76.479	ng	99
92) Benzo(g,h,i)perylene	17.580	276	1563773	77.932	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

- 1
- 2
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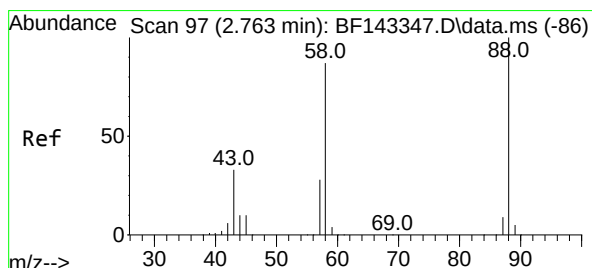
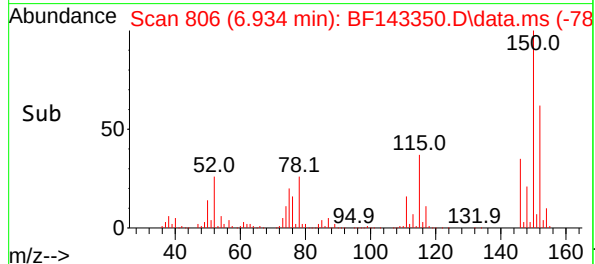
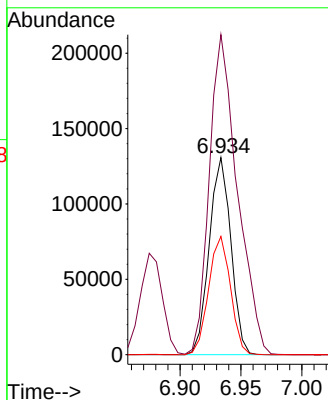
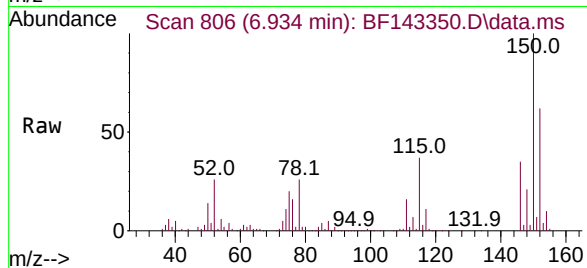




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

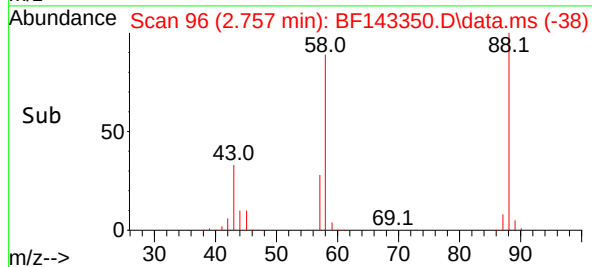
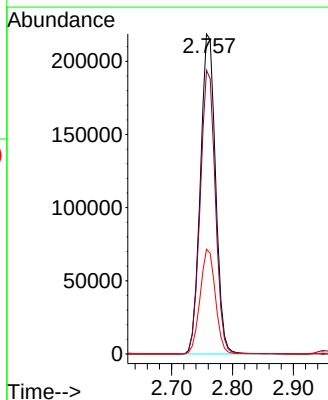
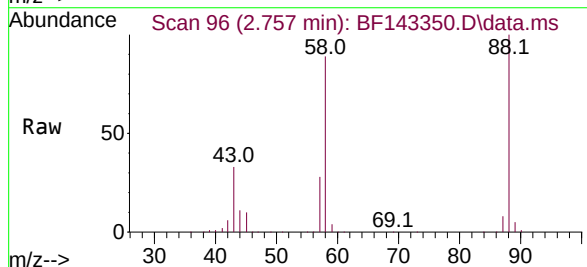
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

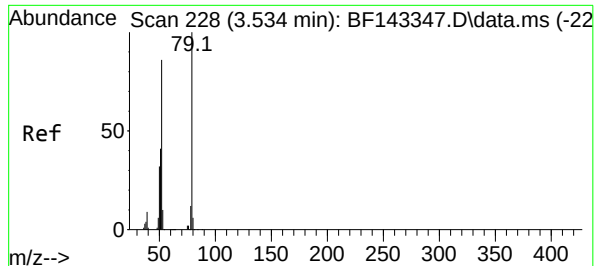
Tgt Ion:152 Resp: 161665
Ion Ratio Lower Upper
152 100
150 162.4 129.8 194.8
115 60.0 47.8 71.8



#2
1,4-Dioxane
Concen: 78.360 ng
RT: 2.757 min Scan# 96
Delta R.T. -0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 88 Resp: 379076
Ion Ratio Lower Upper
88 100
58 88.3 71.0 106.6
43 33.1 27.0 40.6





#3

Pyridine

Concen: 80.904 ng

RT: 3.534 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

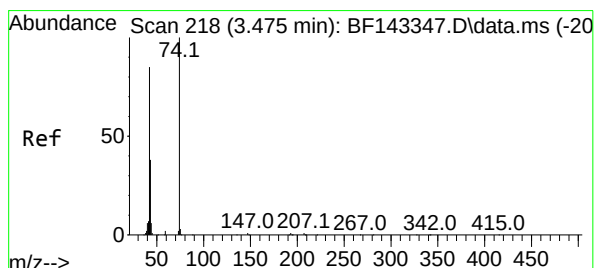
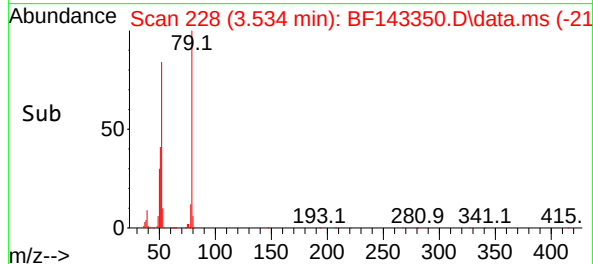
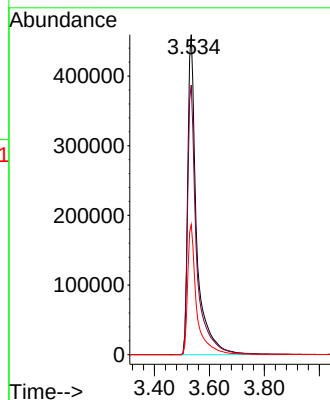
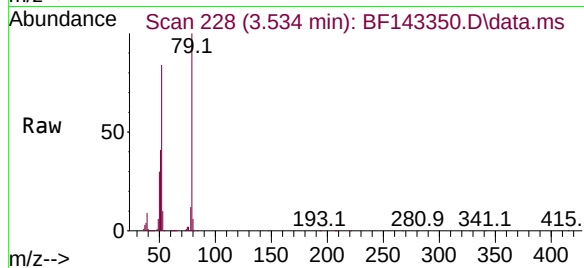
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 1042960

Ion	Ratio	Lower	Upper
79	100		
52	84.2	68.7	103.1
51	40.7	33.4	50.0



#4

n-Nitrosodimethylamine

Concen: 82.300 ng

RT: 3.493 min Scan# 221

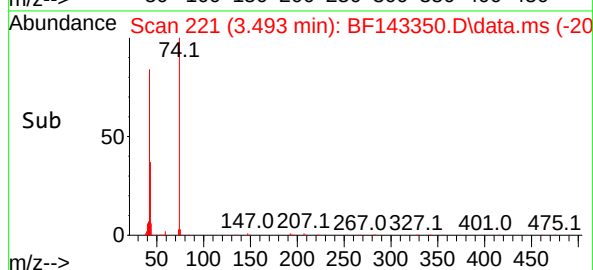
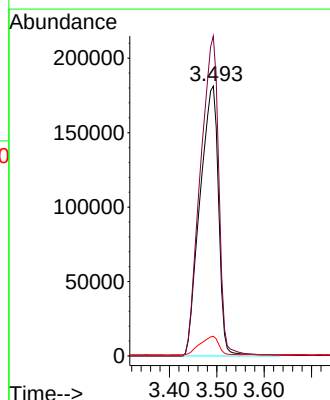
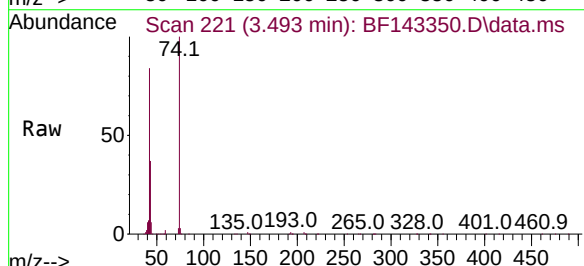
Delta R.T. 0.017 min

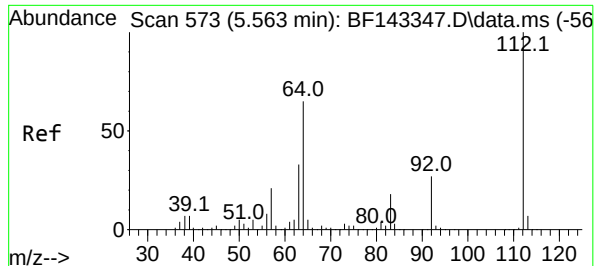
Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Tgt Ion: 42 Resp: 494211

Ion	Ratio	Lower	Upper
42	100		
74	118.6	94.1	141.1
44	7.3	6.5	9.7

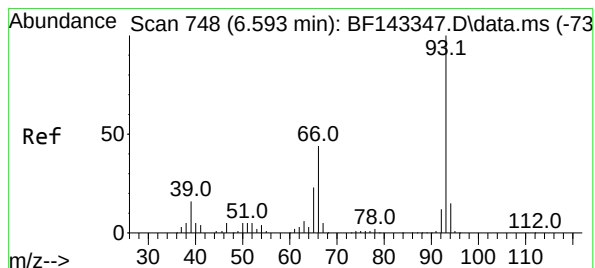
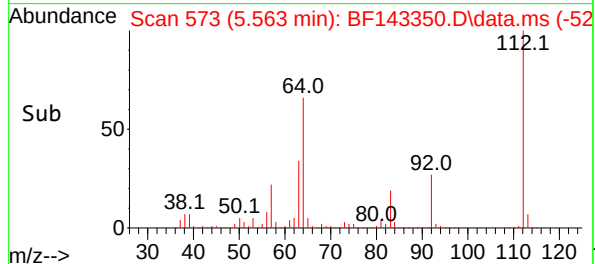
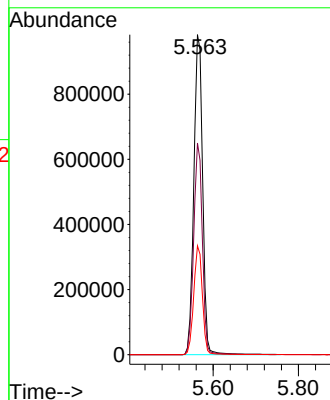
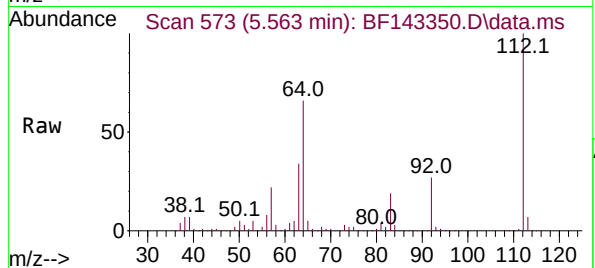




#5
2-Fluorophenol
Concen: 150.735 ng
RT: 5.563 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

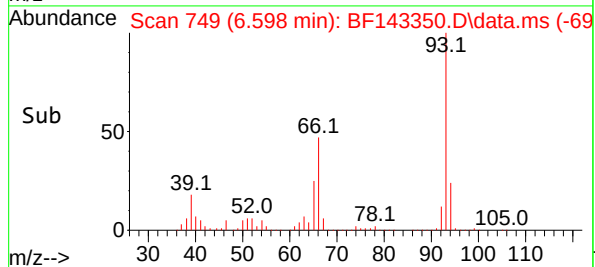
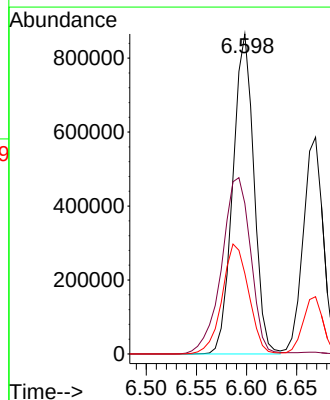
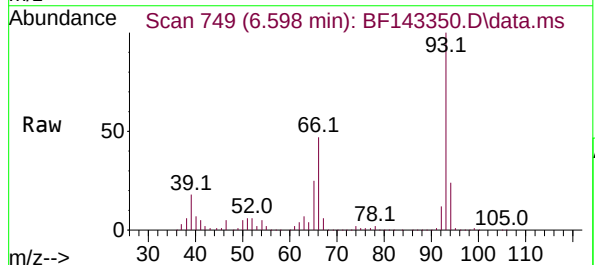
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

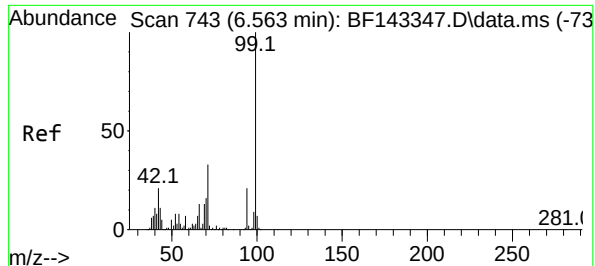
Tgt Ion:112 Resp: 1409194
Ion Ratio Lower Upper
112 100
64 66.1 52.1 78.1
63 34.0 26.6 39.8



#6
Aniline
Concen: 74.743 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 93 Resp: 1263279
Ion Ratio Lower Upper
93 100
66 47.1 35.3 52.9
65 25.2 18.2 27.4

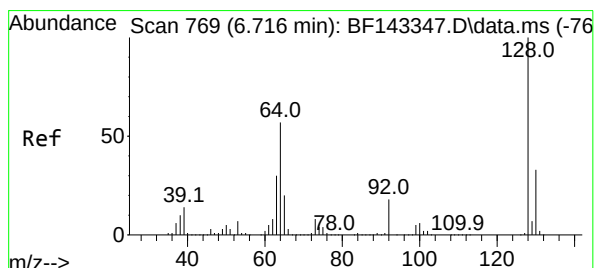
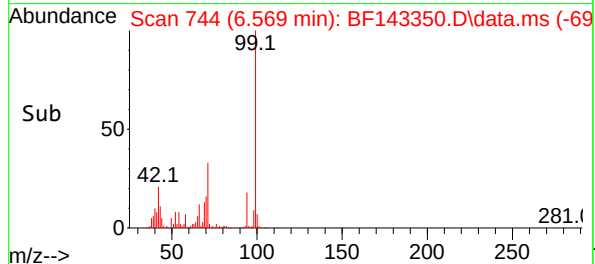
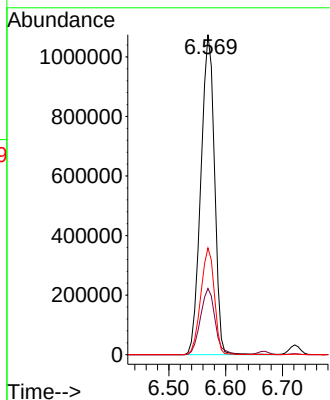
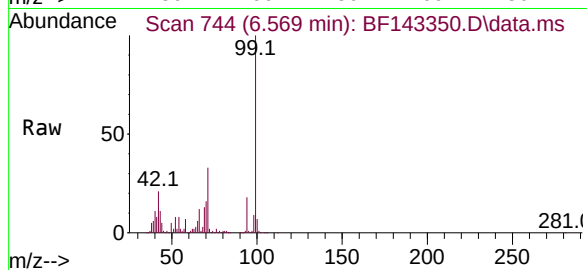




#7
Phenol-d6
Concen: 149.482 ng
RT: 6.569 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

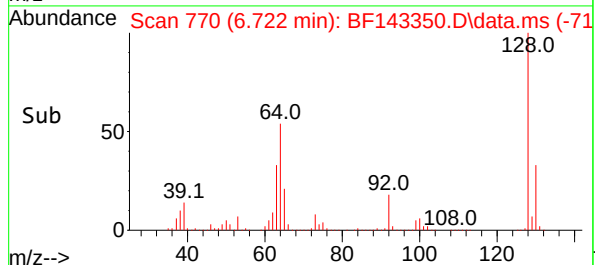
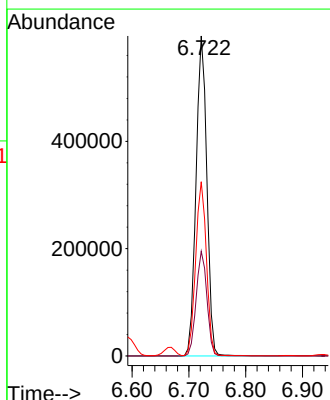
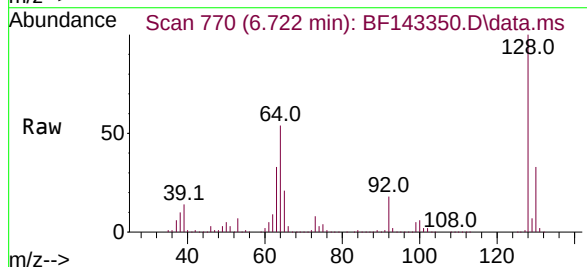
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

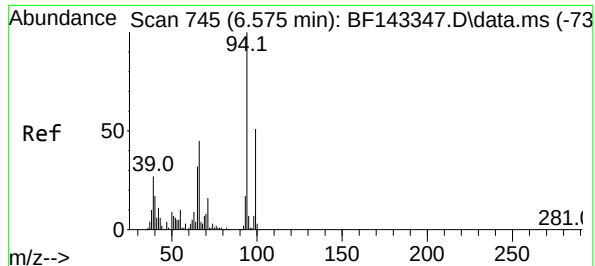
Tgt Ion: 99 Resp: 1792088
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 33.4 26.2 39.2



#8
2-Chlorophenol
Concen: 79.409 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 128 Resp: 793255
Ion Ratio Lower Upper
128 100
130 32.7 12.6 52.6
64 54.5 36.7 76.7





#10

Phenol

Concen: 73.052 ng

RT: 6.586 min Scan# 74

Delta R.T. 0.012 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

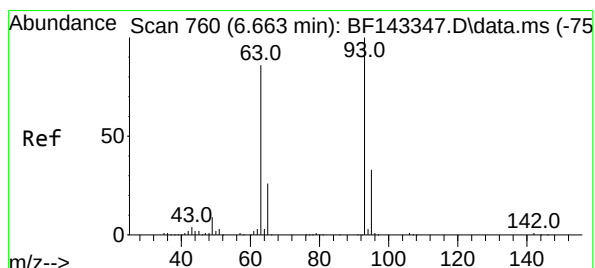
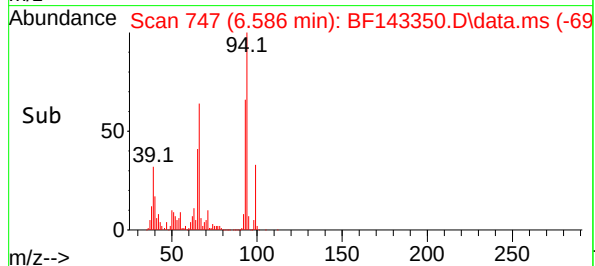
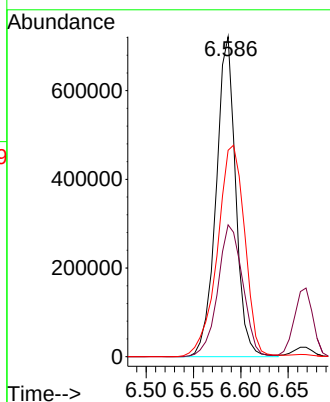
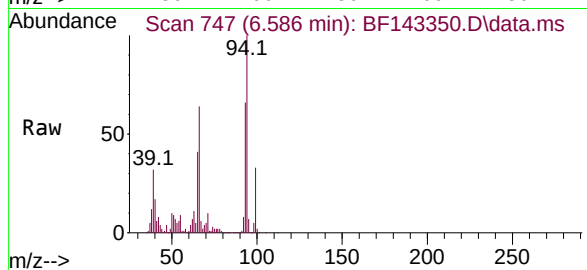
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 94 Resp: 1037512

Ion	Ratio	Lower	Upper
94	100		
65	41.2	12.0	52.0
66	64.5	25.6	65.6



#11

bis(2-Chloroethyl)ether

Concen: 76.275 ng

RT: 6.669 min Scan# 761

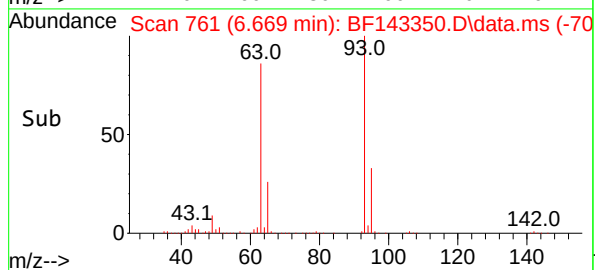
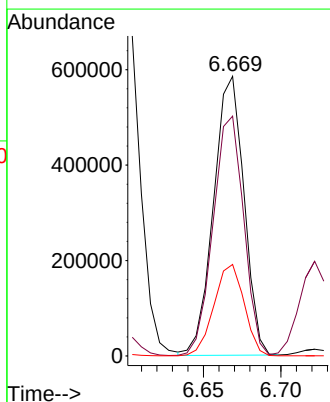
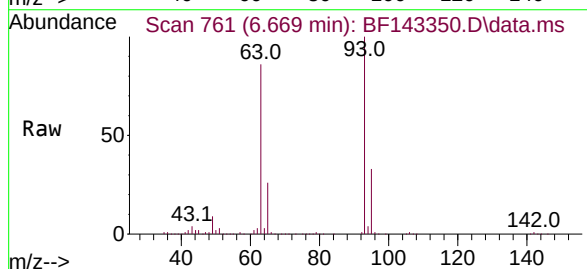
Delta R.T. 0.006 min

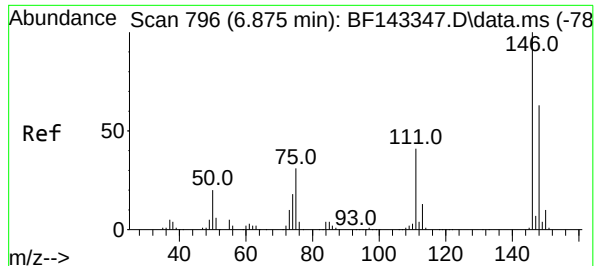
Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Tgt Ion: 93 Resp: 798392

Ion	Ratio	Lower	Upper
93	100		
63	85.7	65.7	105.7
95	32.7	13.0	53.0





#12

1,3-Dichlorobenzene

Concen: 72.101 ng

RT: 6.875 min Scan# 796

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

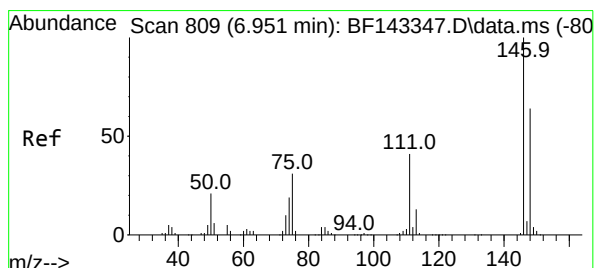
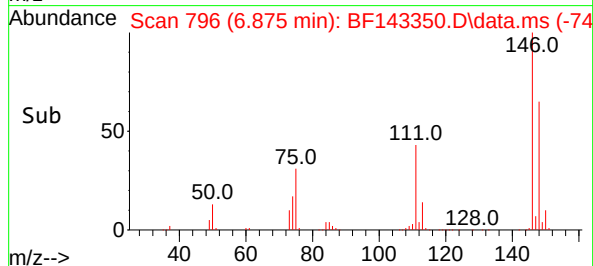
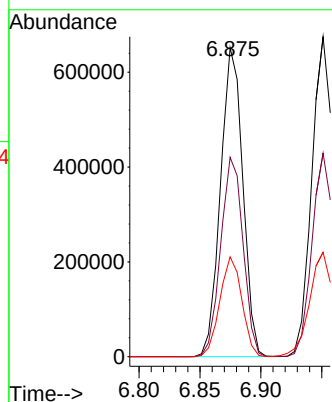
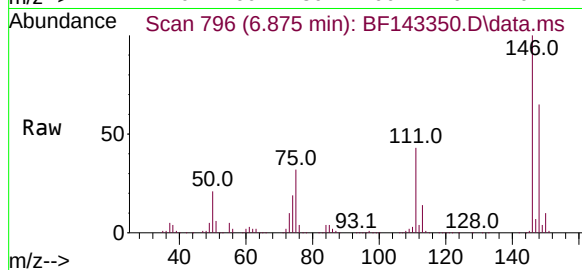
Tgt Ion:146 Resp: 830769

Ion Ratio Lower Upper

146 100

148 64.5 50.5 75.7

75 32.3 24.9 37.3



#13

1,4-Dichlorobenzene

Concen: 72.382 ng

RT: 6.951 min Scan# 809

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

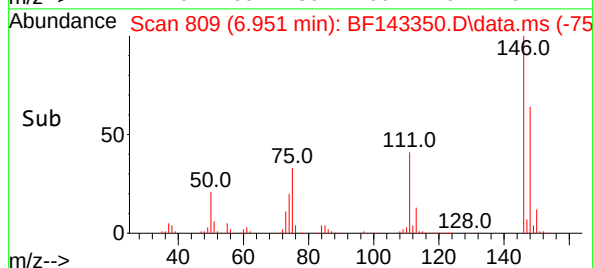
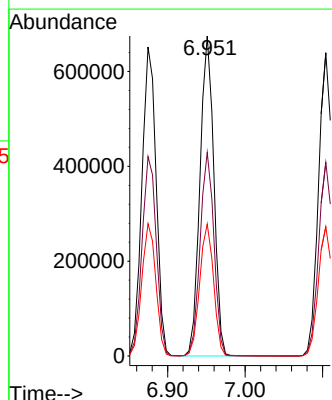
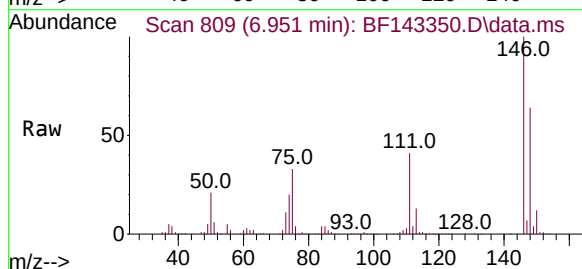
Tgt Ion:146 Resp: 837059

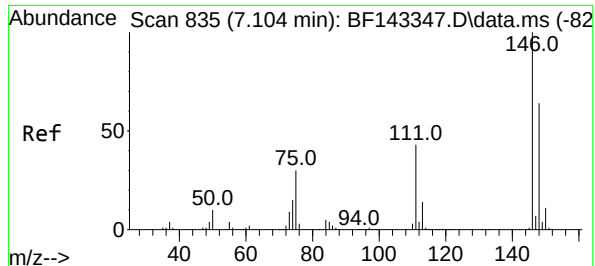
Ion Ratio Lower Upper

146 100

148 63.6 51.4 77.0

111 41.3 32.6 48.8





#14

1,2-Dichlorobenzene

Concen: 73.439 ng

RT: 7.104 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

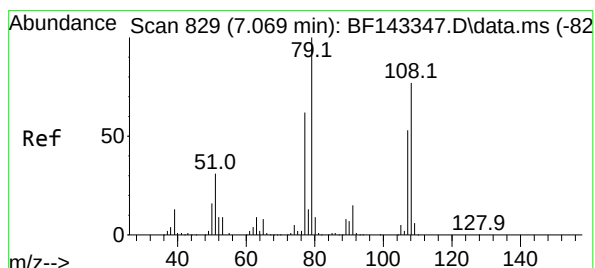
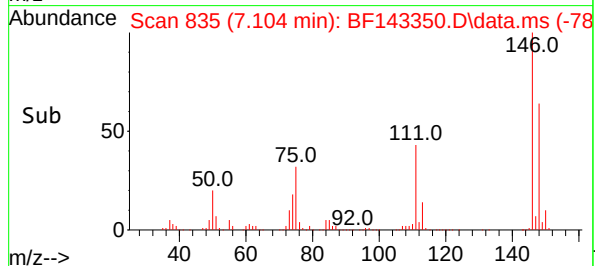
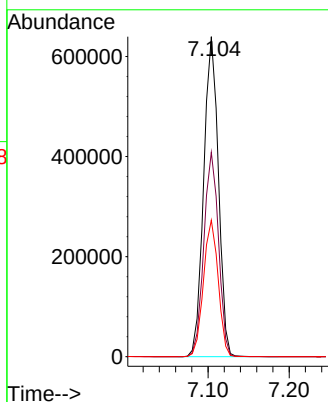
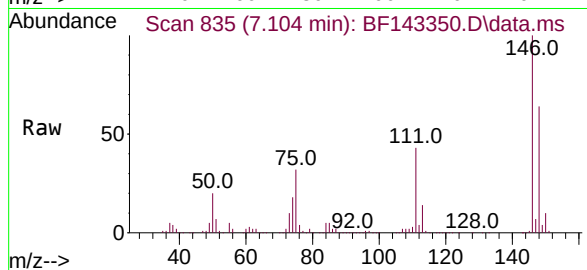
Tgt Ion:146 Resp: 806180

Ion Ratio Lower Upper

146 100

148 63.8 51.4 77.2

111 42.7 34.1 51.1



#15

Benzyl Alcohol

Concen: 81.158 ng

RT: 7.075 min Scan# 830

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

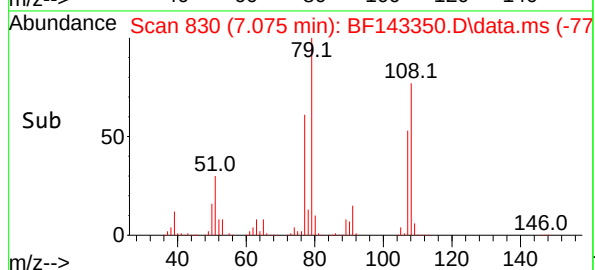
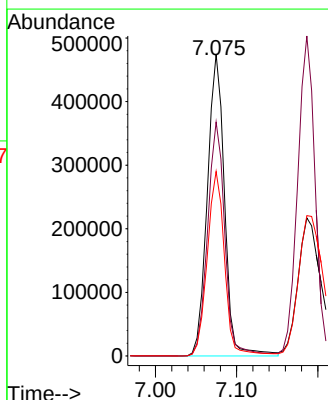
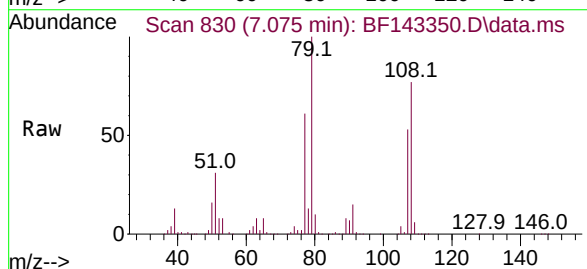
Tgt Ion: 79 Resp: 697448

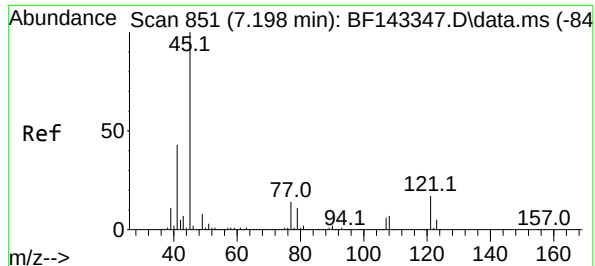
Ion Ratio Lower Upper

79 100

108 77.5 61.5 92.3

77 61.1 49.8 74.8





#16

2,2'-oxybis(1-Chloropropane)

Concen: 71.450 ng

RT: 7.204 min Scan# 851

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

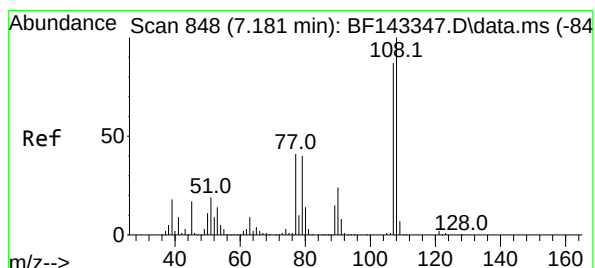
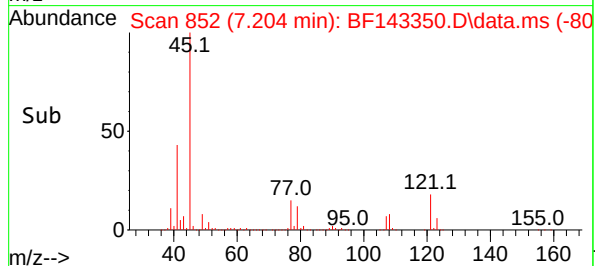
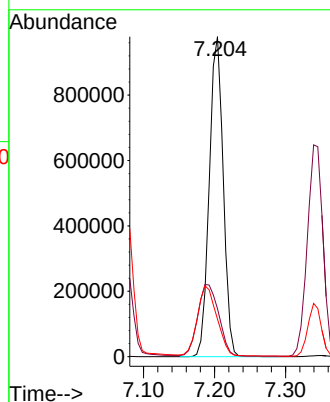
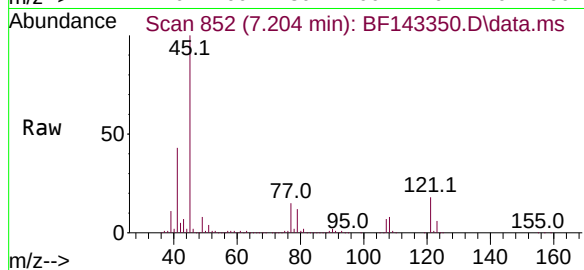
Tgt Ion: 45 Resp: 1335184

Ion Ratio Lower Upper

45 100

77 15.0 0.0 34.0

79 11.8 0.0 31.1



#17

2-Methylphenol

Concen: 77.585 ng

RT: 7.186 min Scan# 849

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Tgt Ion: 107 Resp: 654221

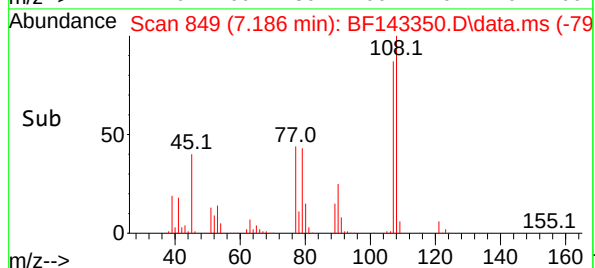
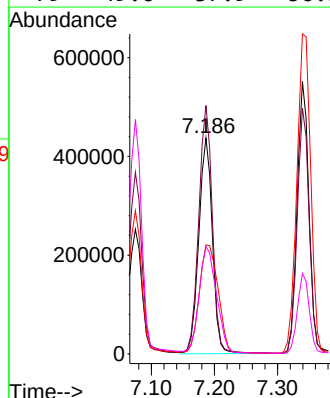
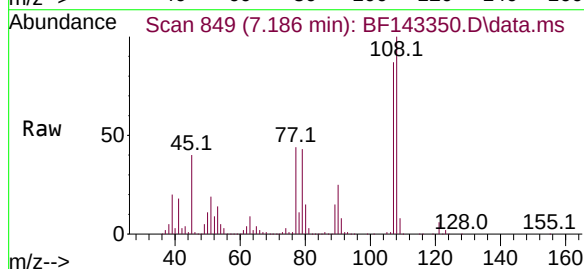
Ion Ratio Lower Upper

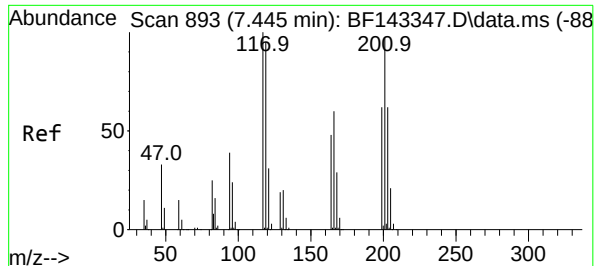
107 100

108 115.0 92.0 138.0

77 50.5 38.2 57.2

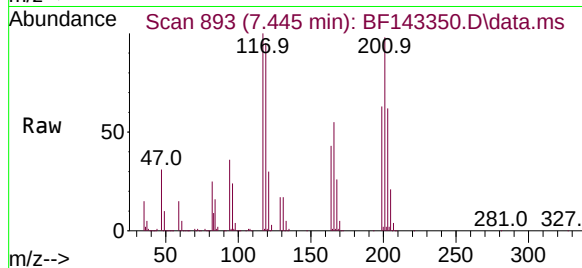
79 49.6 37.9 56.9



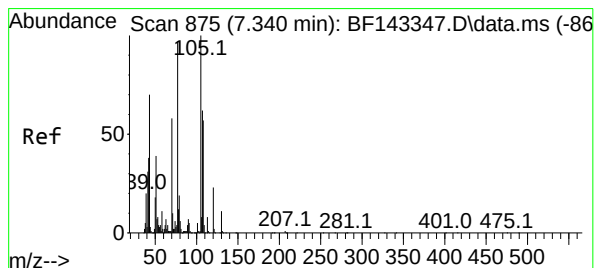
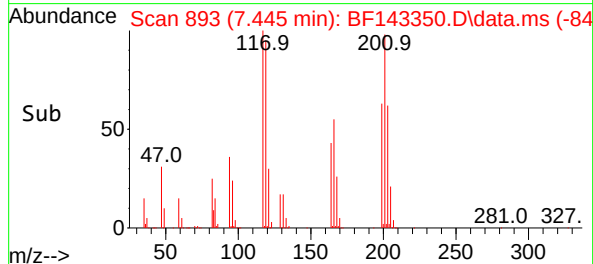
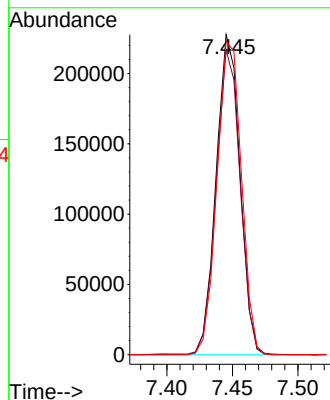


#18
Hexachloroethane
Concen: 79.115 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

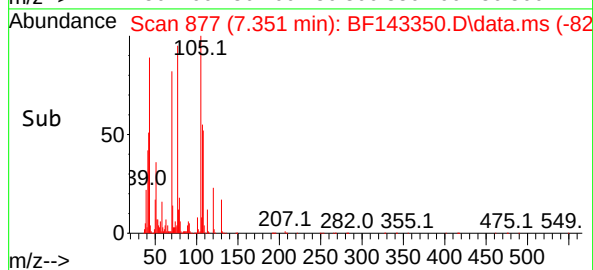
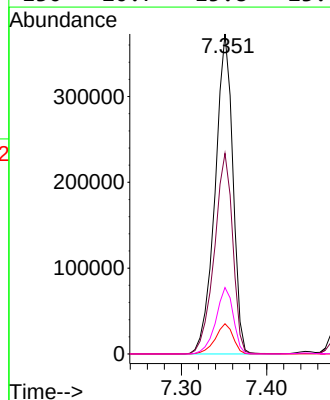
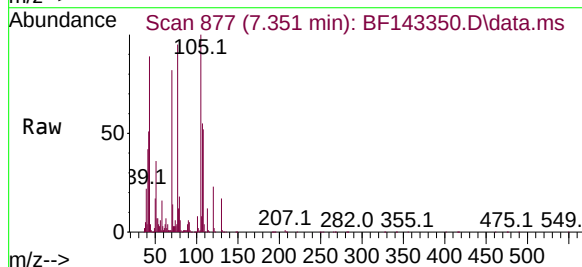


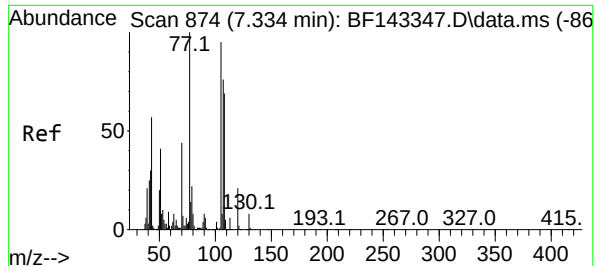
Tgt Ion:117 Resp: 286839
Ion Ratio Lower Upper
117 100
119 95.2 75.8 113.8
201 98.0 77.2 115.8



#19
n-Nitroso-di-n-propylamine
Concen: 73.083 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 70 Resp: 541387
Ion Ratio Lower Upper
70 100
42 62.7 51.6 77.4
101 9.4 7.5 11.3
130 20.7 15.8 23.6





#20

3+4-Methylphenols

Concen: 71.322 ng

RT: 7.339 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143350.D

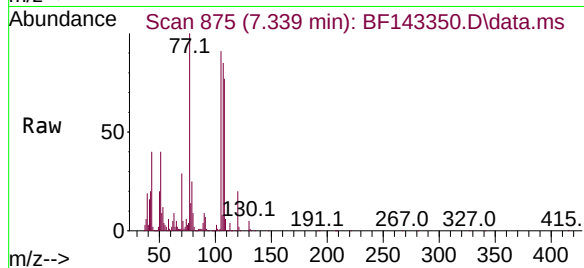
Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:107 Resp: 727332

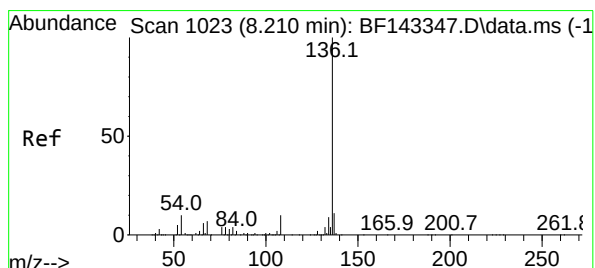
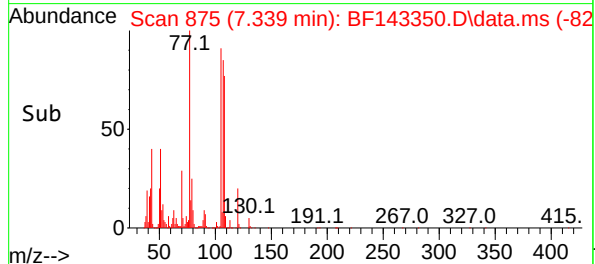
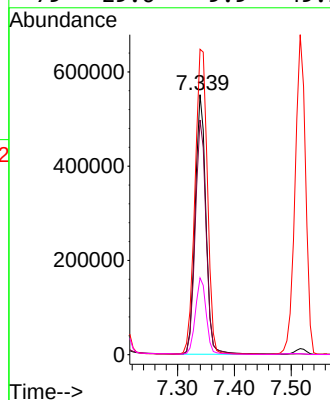
Ion Ratio Lower Upper

107 100

108 90.3 70.6 110.6

77 117.5 112.0 152.0

79 29.6 9.9 49.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.216 min Scan# 1024

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Tgt Ion:136 Resp: 625065

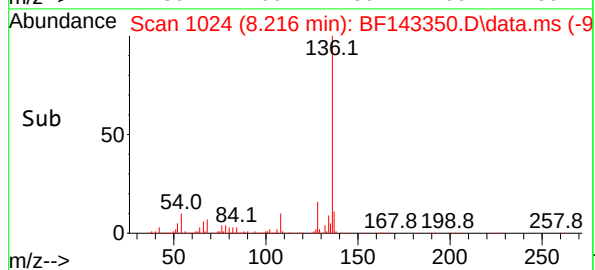
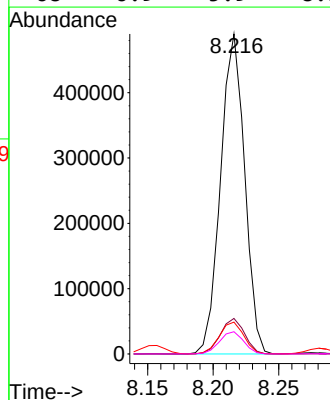
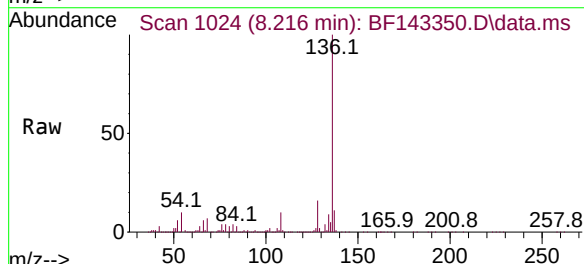
Ion Ratio Lower Upper

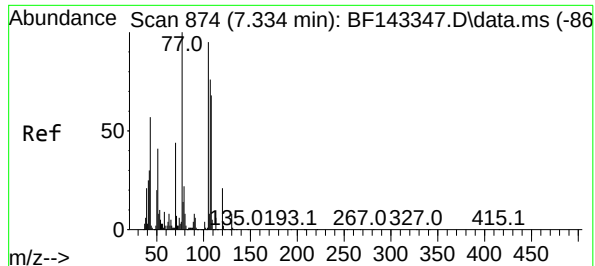
136 100

137 11.1 8.6 13.0

54 10.0 8.4 12.6

68 6.9 5.9 8.9





#22

Acetophenone

Concen: 69.195 ng

RT: 7.345 min Scan# 81

Delta R.T. 0.012 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:105 Resp: 952975

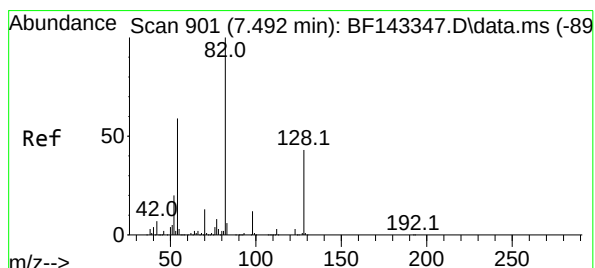
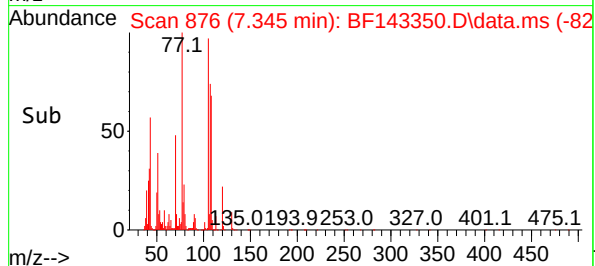
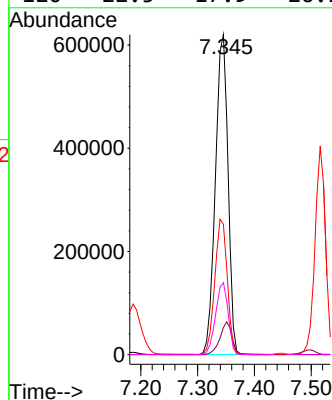
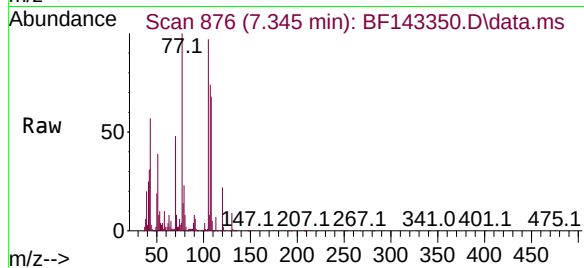
Ion Ratio Lower Upper

105 100

71 8.4 6.2 9.4

51 40.7 34.8 52.2

120 22.5 17.9 26.9



#23

Nitrobenzene-d5

Concen: 161.306 ng

RT: 7.498 min Scan# 902

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

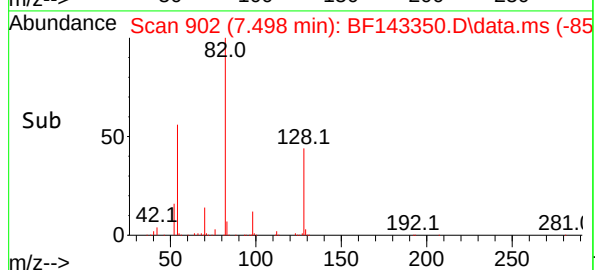
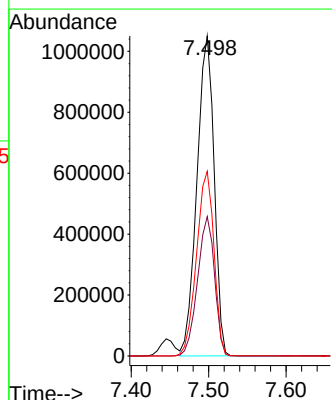
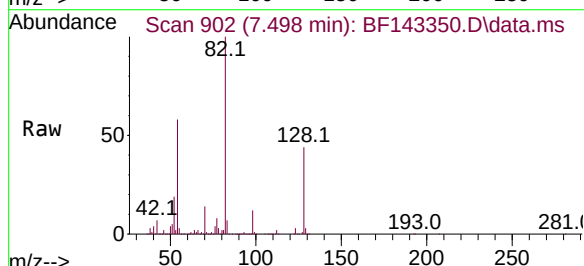
Tgt Ion: 82 Resp: 1619091

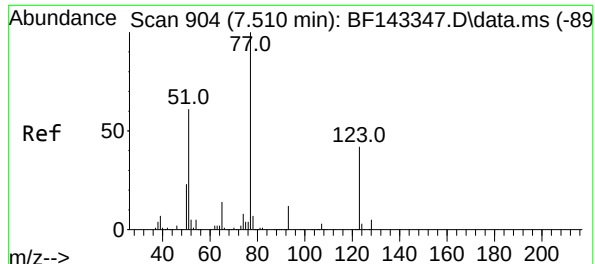
Ion Ratio Lower Upper

82 100

128 43.6 33.5 50.3

54 57.7 46.7 70.1





#24

Nitrobenzene

Concen: 79.634 ng

RT: 7.516 min Scan# 905

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

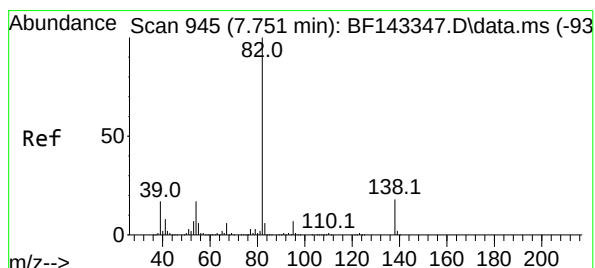
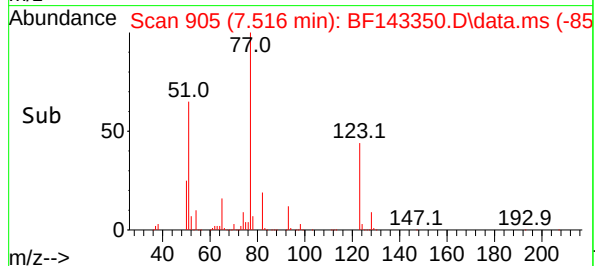
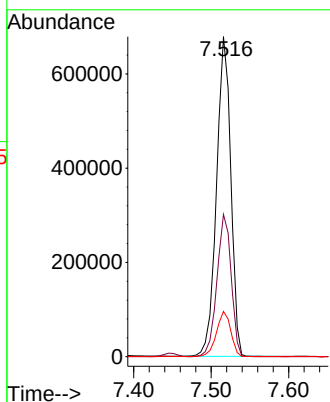
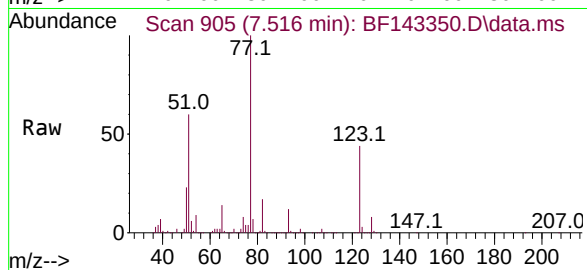
Tgt Ion: 77 Resp: 868093

Ion Ratio Lower Upper

77 100

123 44.4 34.8 52.2

65 14.1 11.0 16.6



#25

Isophorone

Concen: 76.861 ng

RT: 7.757 min Scan# 946

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

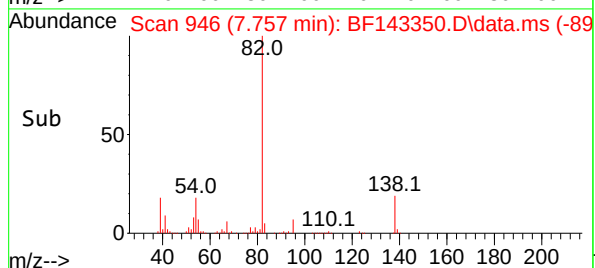
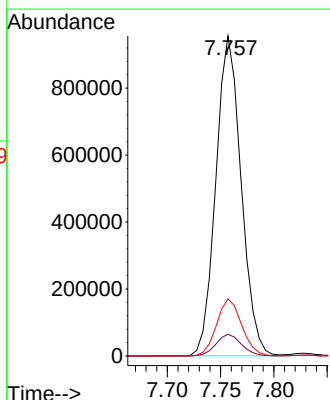
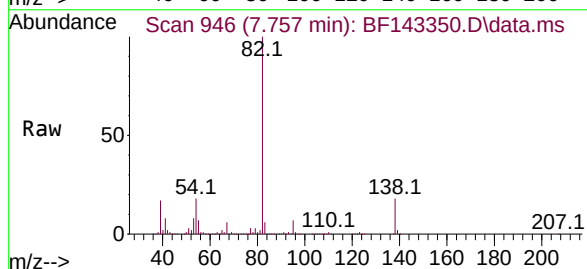
Tgt Ion: 82 Resp: 1574935

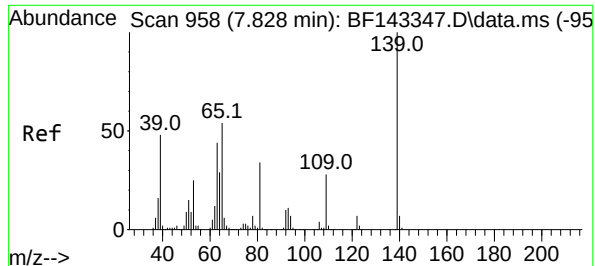
Ion Ratio Lower Upper

82 100

95 6.8 5.5 8.3

138 17.8 14.6 21.8





#26

2-Nitrophenol

Concen: 83.229 ng

RT: 7.828 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

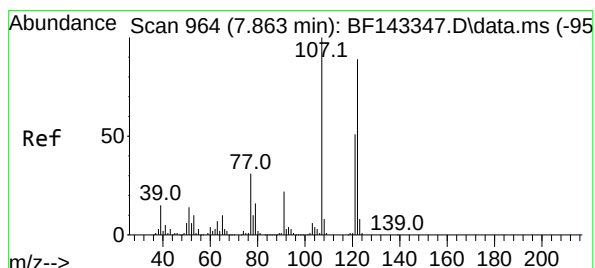
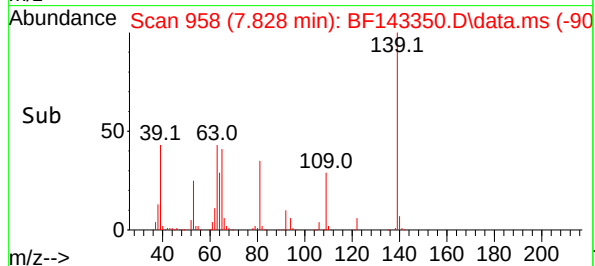
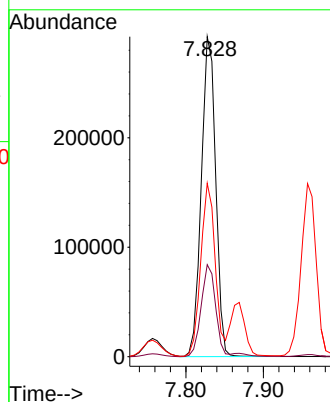
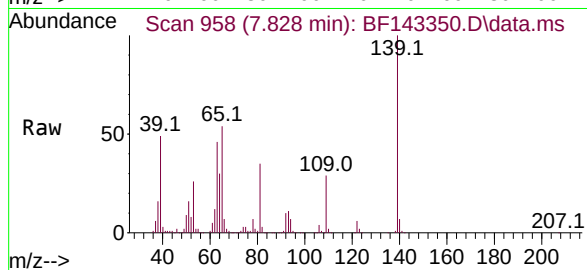
Tgt Ion:139 Resp: 376225

Ion Ratio Lower Upper

139 100

109 28.8 22.4 33.6

65 54.2 42.9 64.3



#27

2,4-Dimethylphenol

Concen: 78.052 ng

RT: 7.869 min Scan# 965

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

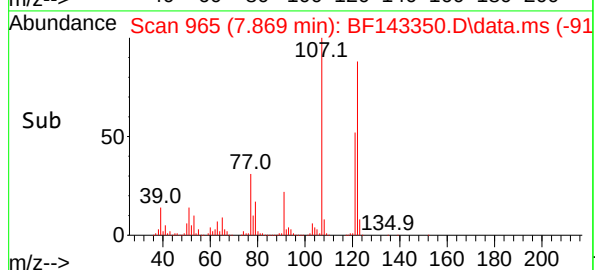
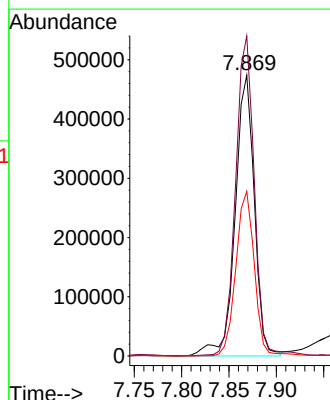
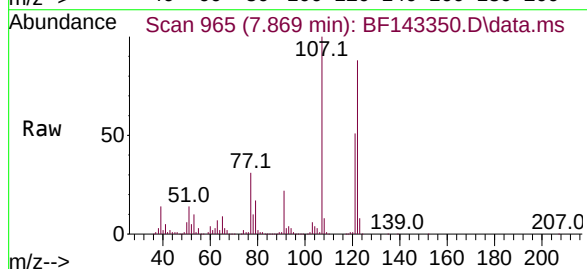
Tgt Ion:122 Resp: 667248

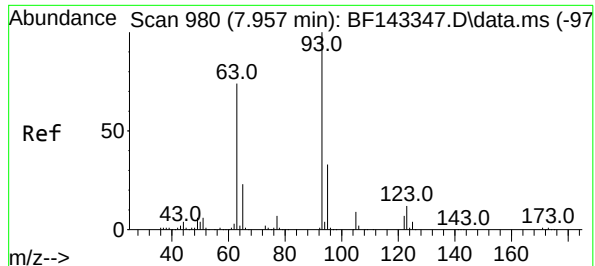
Ion Ratio Lower Upper

122 100

107 114.0 89.9 134.9

121 58.7 46.2 69.4





#28

bis(2-Chloroethoxy)methane

Concen: 73.686 ng

RT: 7.957 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

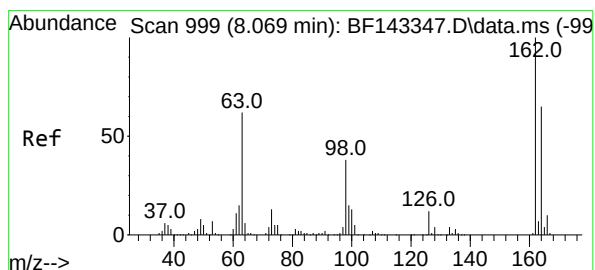
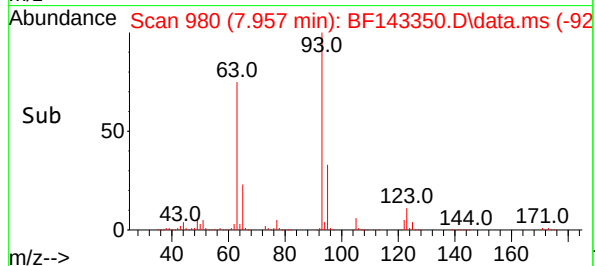
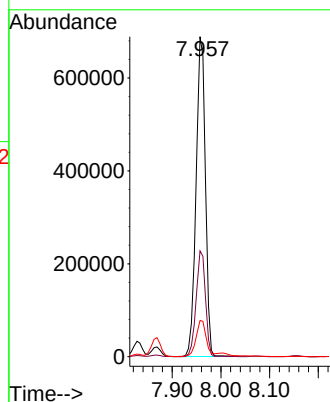
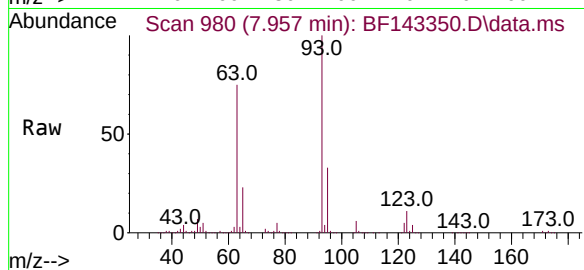
Tgt Ion: 93 Resp: 921854

Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.4

123 11.3 9.4 14.2



#29

2,4-Dichlorophenol

Concen: 78.392 ng

RT: 8.075 min Scan# 1000

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

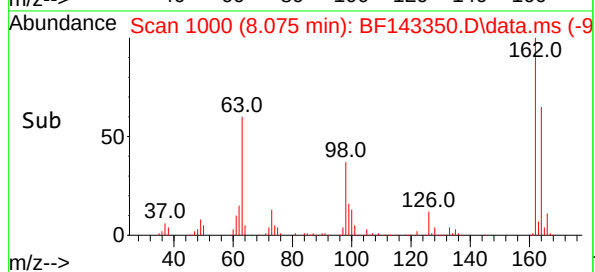
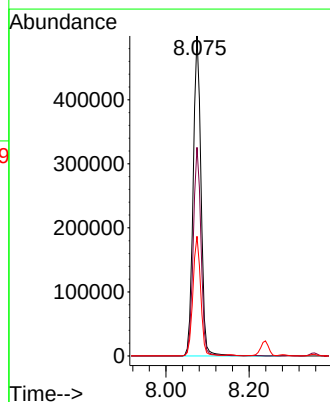
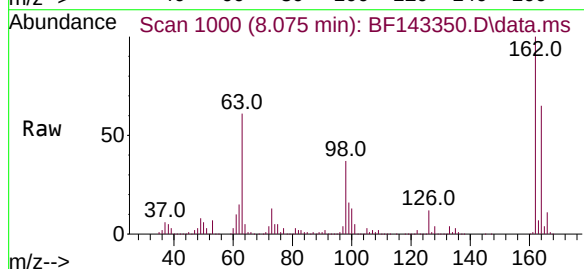
Tgt Ion: 162 Resp: 654545

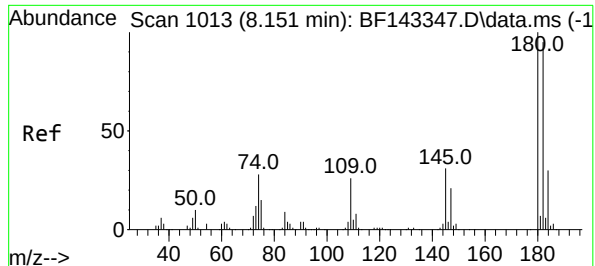
Ion Ratio Lower Upper

162 100

164 65.2 44.5 84.5

98 37.4 17.7 57.7





#30

1,2,4-Trichlorobenzene

Concen: 73.707 ng

RT: 8.157 min Scan# 1013

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

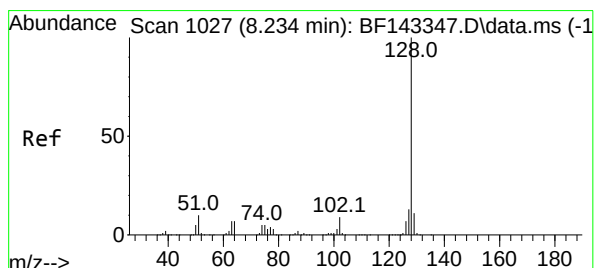
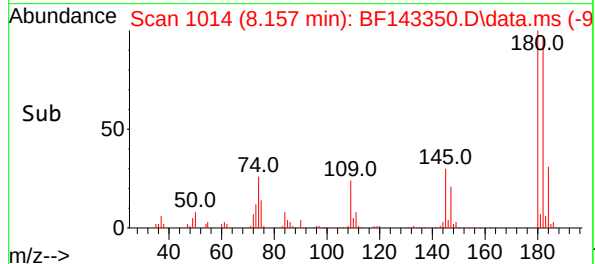
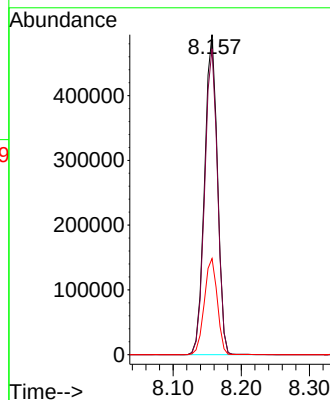
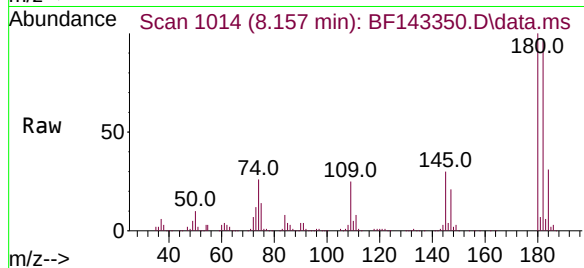
Tgt Ion:180 Resp: 649172

Ion Ratio Lower Upper

180 100

182 95.6 76.1 114.1

145 30.0 24.9 37.3



#31

Naphthalene

Concen: 69.783 ng

RT: 8.239 min Scan# 1028

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

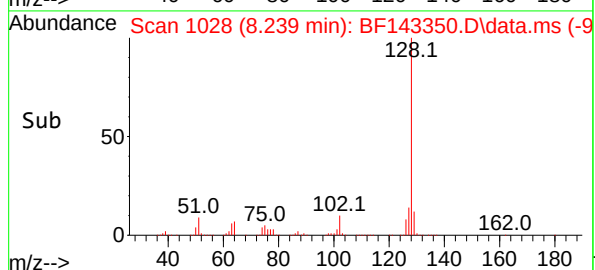
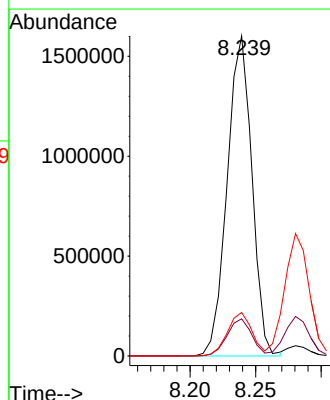
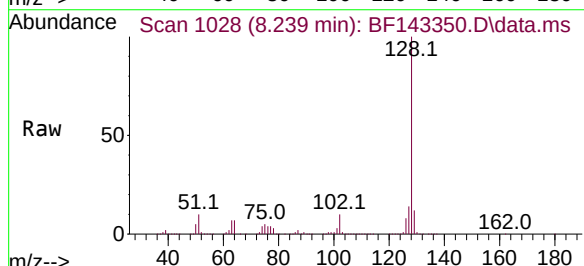
Tgt Ion:128 Resp: 2098892

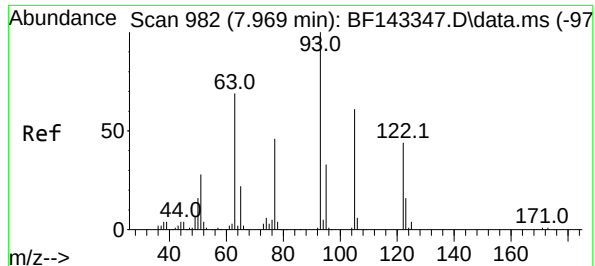
Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

127 13.6 10.7 16.1





#32

Benzoic acid

Concen: 78.960 ng

RT: 8.004 min Scan# 982

Delta R.T. 0.035 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

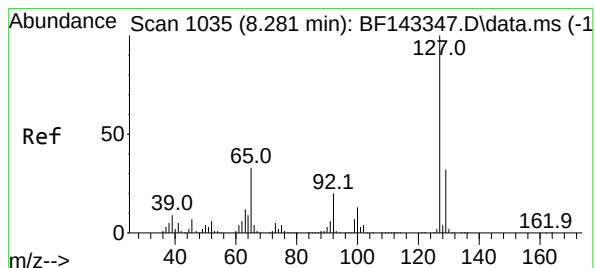
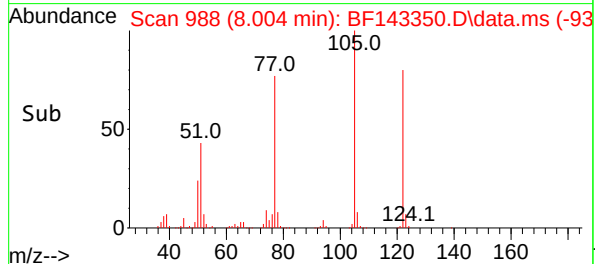
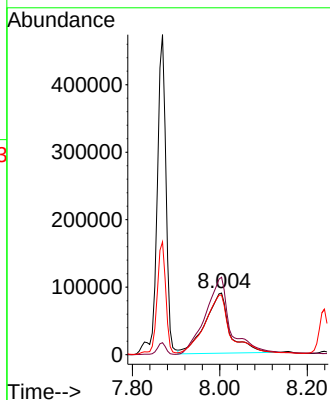
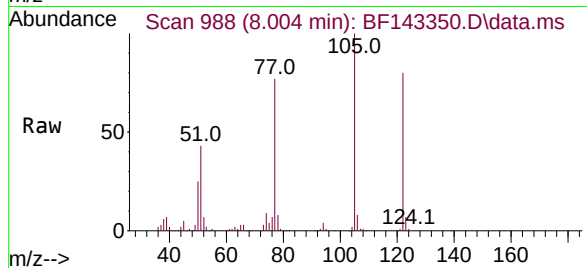
Tgt Ion:122 Resp: 354618

Ion Ratio Lower Upper

122 100

105 125.6 106.4 146.4

77 97.0 79.2 119.2



#33

4-Chloroaniline

Concen: 75.228 ng

RT: 8.280 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Tgt Ion:127 Resp: 816103

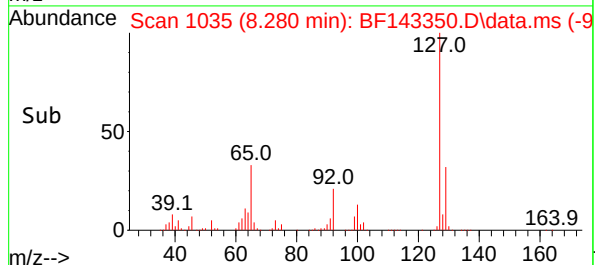
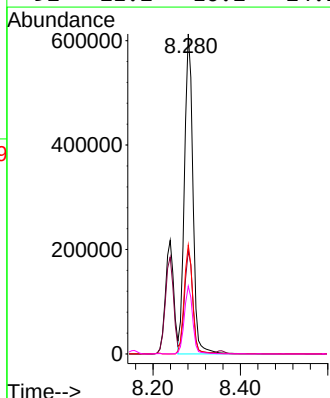
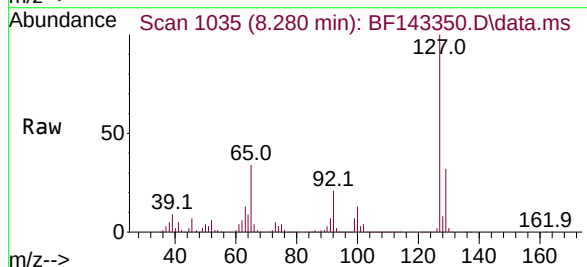
Ion Ratio Lower Upper

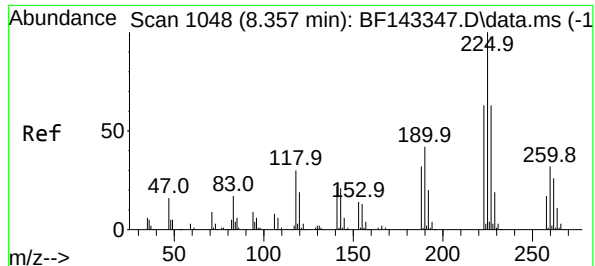
127 100

129 32.3 26.0 39.0

65 34.0 27.0 40.4

92 21.2 16.2 24.2





#34

Hexachlorobutadiene

Concen: 73.592 ng

RT: 8.357 min Scan# 1100

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

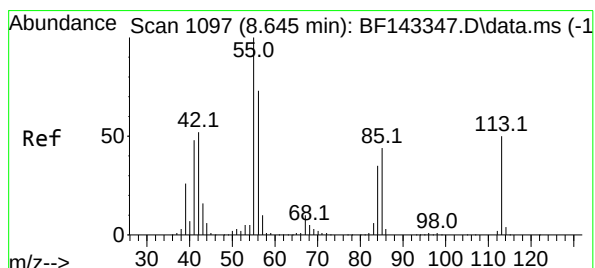
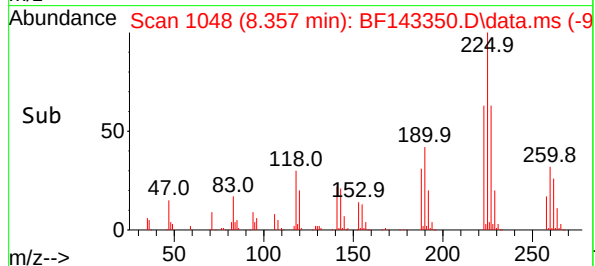
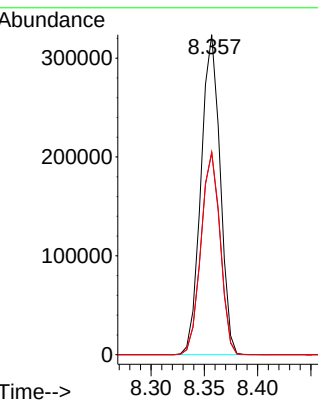
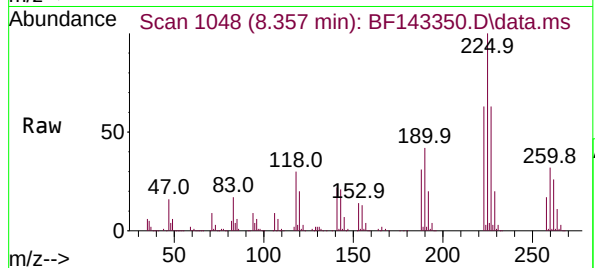
Tgt Ion:225 Resp: 403199

Ion Ratio Lower Upper

225 100

223 63.0 50.1 75.1

227 63.3 50.6 75.8



#35

Caprolactam

Concen: 84.172 ng

RT: 8.669 min Scan# 1101

Delta R.T. 0.023 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

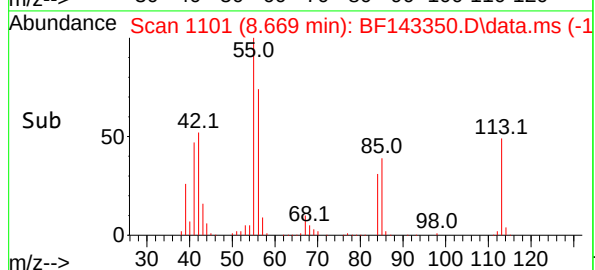
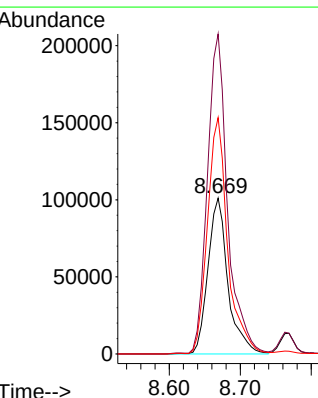
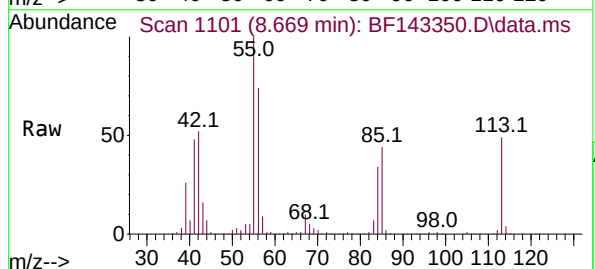
Tgt Ion:113 Resp: 197571

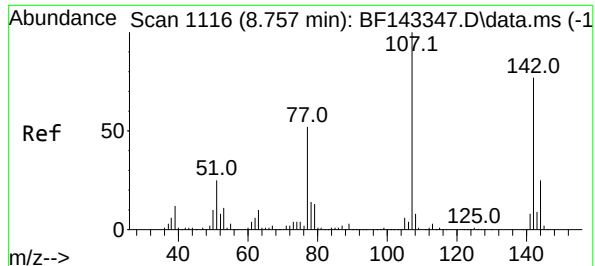
Ion Ratio Lower Upper

113 100

55 205.3 181.4 221.4

56 151.6 127.3 167.3





#36

4-Chloro-3-methylphenol

Concen: 77.000 ng

RT: 8.769 min Scan# 1116

Delta R.T. 0.012 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

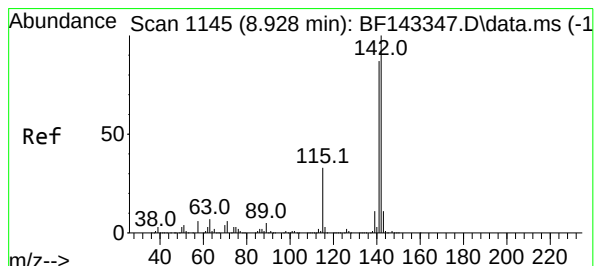
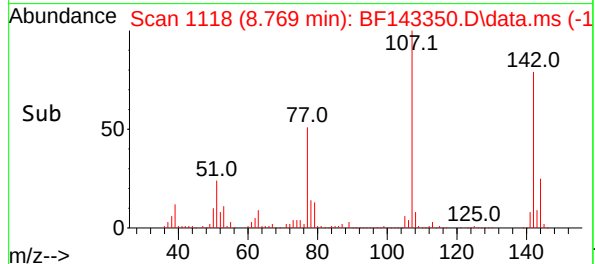
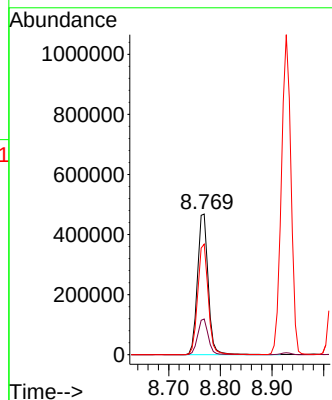
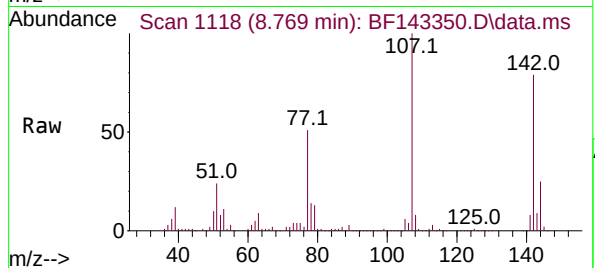
Tgt Ion:107 Resp: 674001

Ion Ratio Lower Upper

107 100

144 25.4 20.0 30.0

142 78.5 61.3 91.9



#37

2-Methylnaphthalene

Concen: 69.303 ng

RT: 8.927 min Scan# 1145

Delta R.T. -0.000 min

Lab File: BF143350.D

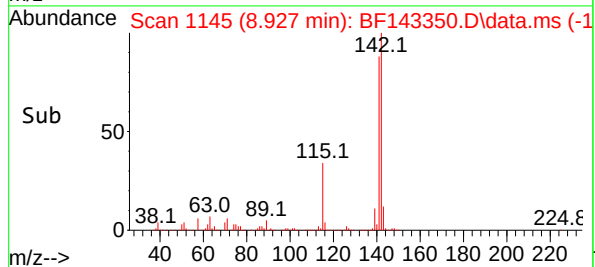
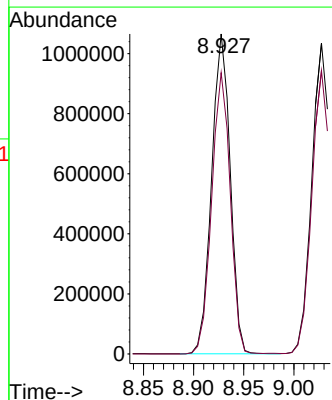
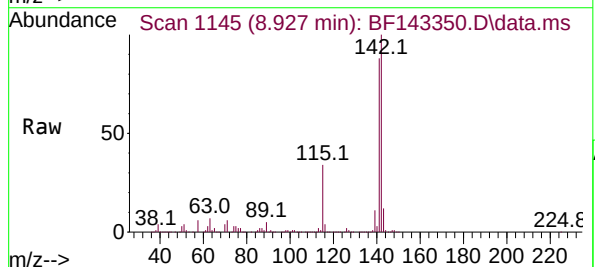
Acq: 12 Aug 2025 12:38

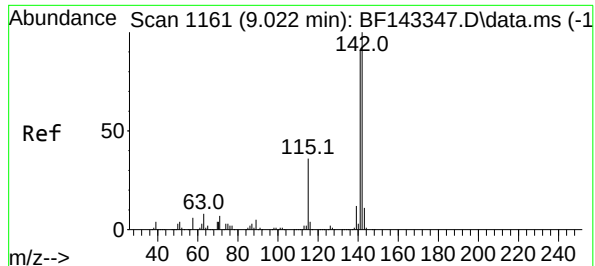
Tgt Ion:142 Resp: 1370352

Ion Ratio Lower Upper

142 100

141 87.9 69.8 104.8





#38

1-Methylnaphthalene

Concen: 69.780 ng

RT: 9.027 min Scan# 1161

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

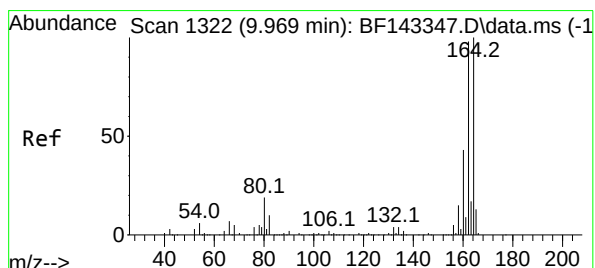
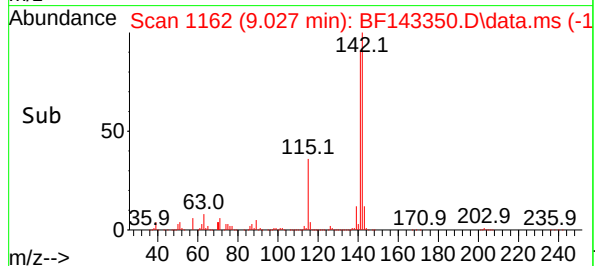
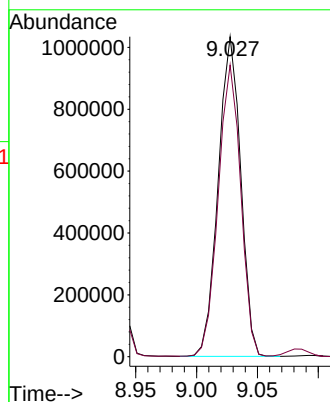
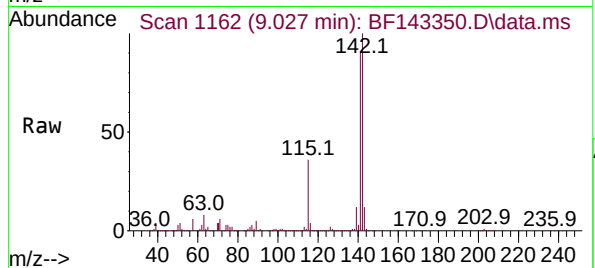
SSTDICC080

Tgt Ion:142 Resp: 1328881

Ion Ratio Lower Upper

142 100

141 91.2 73.0 109.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

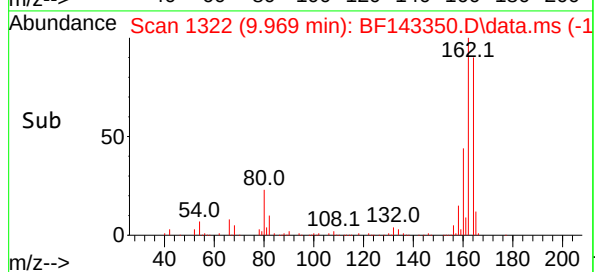
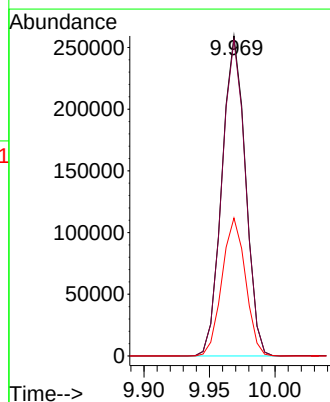
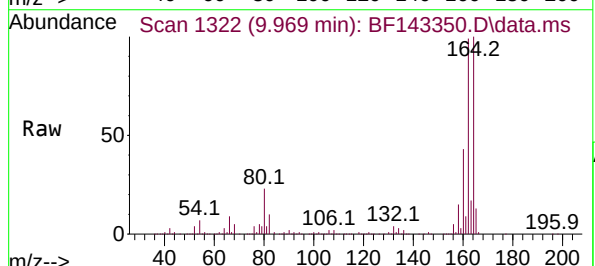
Tgt Ion:164 Resp: 322984

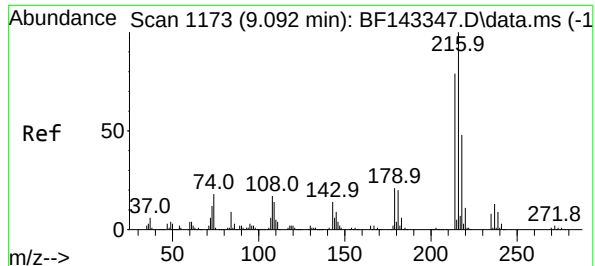
Ion Ratio Lower Upper

164 100

162 98.8 78.6 118.0

160 43.1 34.4 51.6





#40

1,2,4,5-Tetrachlorobenzene

Concen: 72.936 ng

RT: 9.098 min Scan# 1174

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:216 Resp: 644623

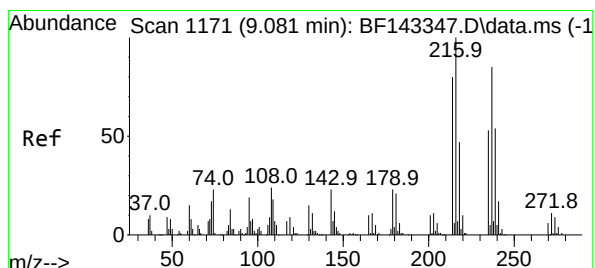
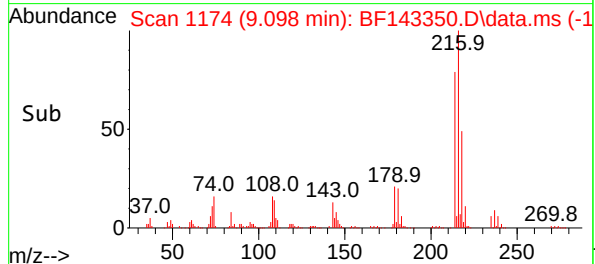
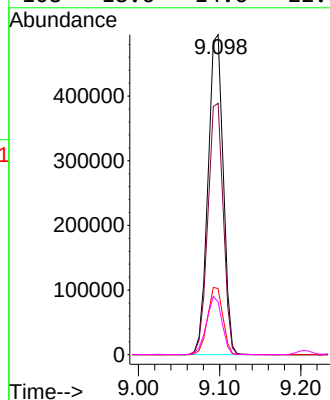
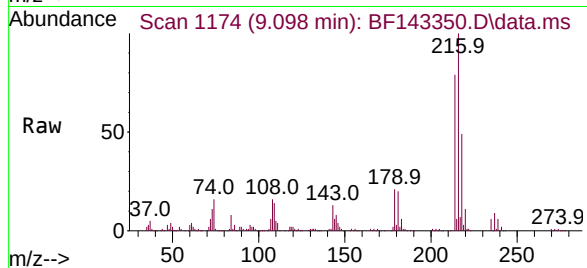
Ion Ratio Lower Upper

216 100

214 79.0 63.0 94.4

179 21.0 17.0 25.4

108 18.6 14.6 22.0



#41

Hexachlorocyclopentadiene

Concen: 82.835 ng

RT: 9.086 min Scan# 1172

Delta R.T. 0.005 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

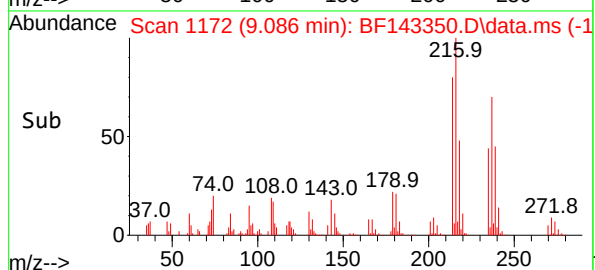
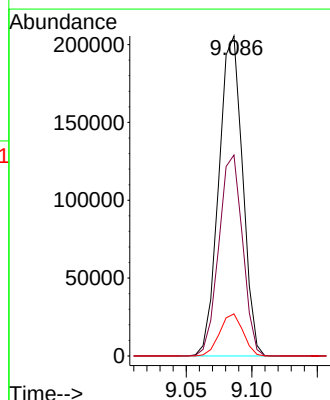
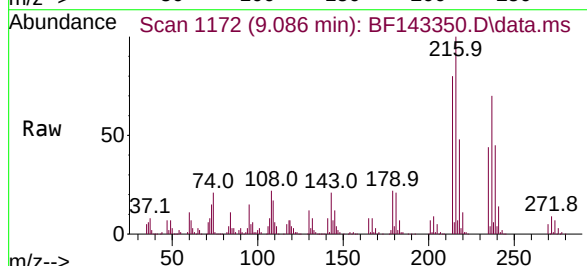
Tgt Ion:237 Resp: 259048

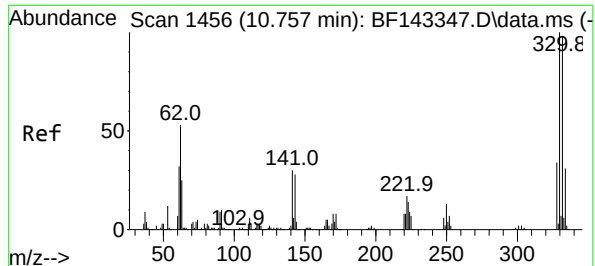
Ion Ratio Lower Upper

237 100

235 62.8 42.0 82.0

272 13.2 0.0 32.6





#42

2,4,6-Tribromophenol

Concen: 174.486 ng

RT: 10.763 min Scan# 1456

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

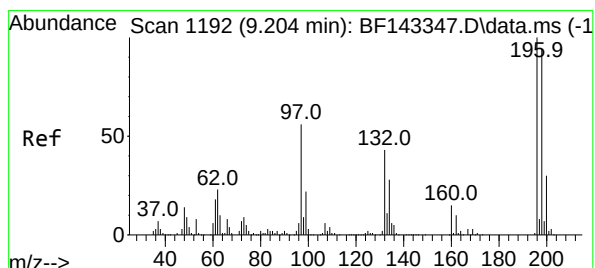
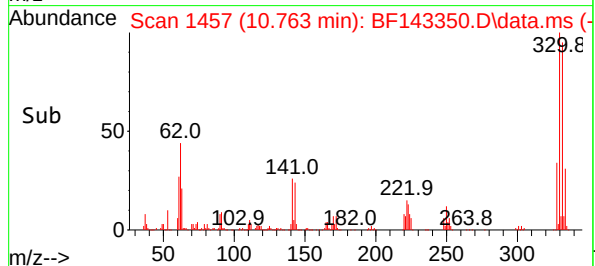
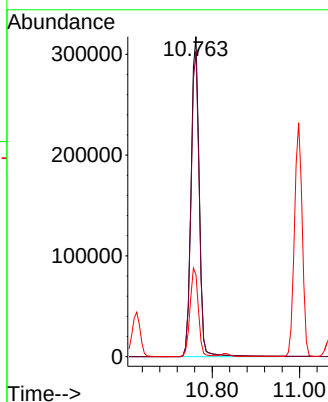
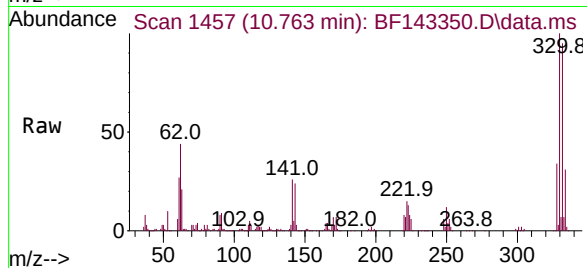
Tgt Ion:330 Resp: 411864

Ion Ratio Lower Upper

330 100

332 95.5 78.1 117.1

141 28.4 25.4 38.0



#43

2,4,6-Trichlorophenol

Concen: 87.149 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

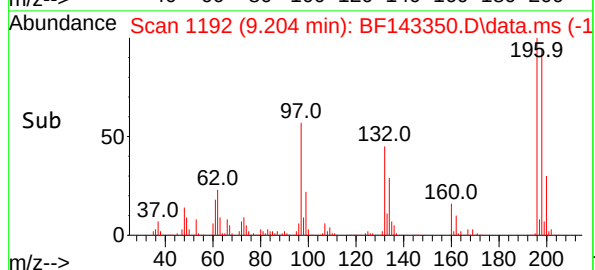
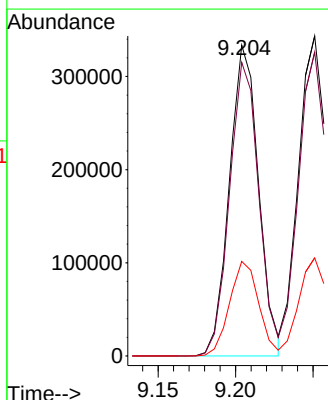
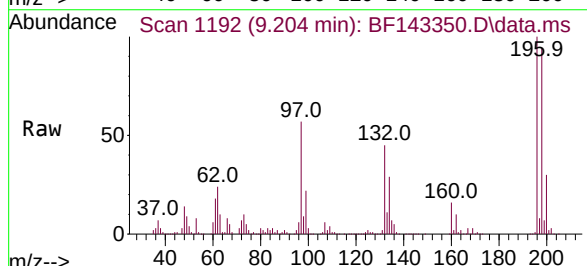
Tgt Ion:196 Resp: 437022

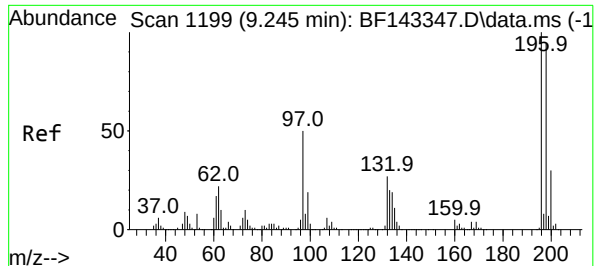
Ion Ratio Lower Upper

196 100

198 94.5 75.4 113.0

200 30.4 24.3 36.5





#44

2,4,5-Trichlorophenol

Concen: 82.433 ng

RT: 9.251 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:196 Resp: 466807

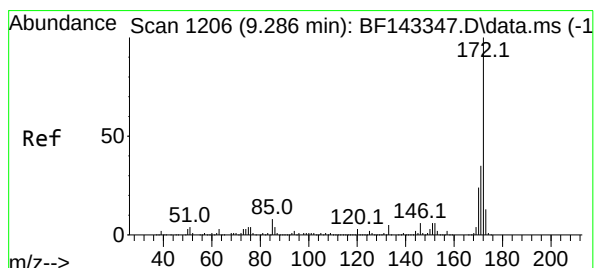
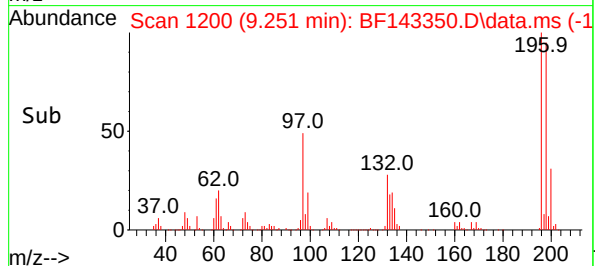
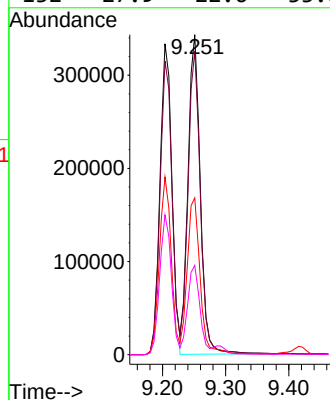
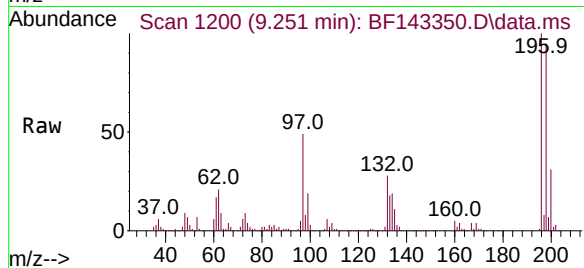
Ion Ratio Lower Upper

196 100

198 95.0 75.4 113.2

97 49.0 39.9 59.9

132 27.9 22.6 33.8



#45

2-Fluorobiphenyl

Concen: 129.045 ng

RT: 9.292 min Scan# 1207

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

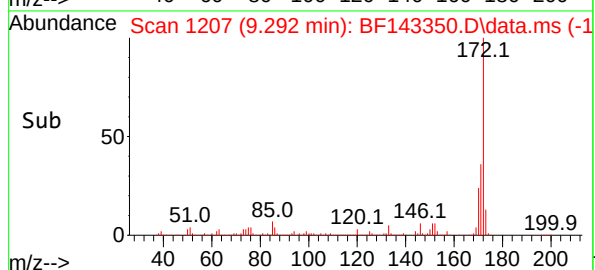
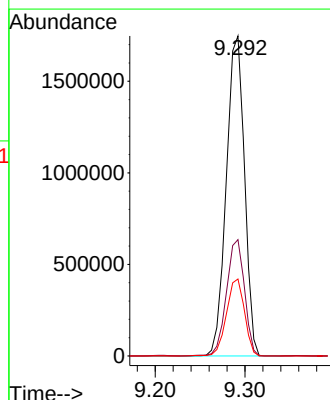
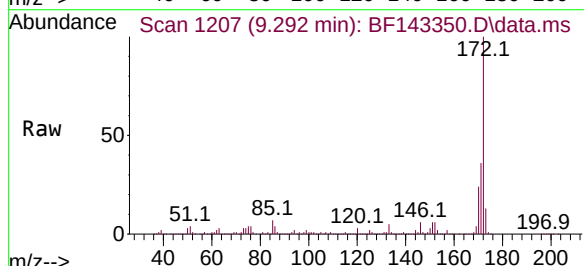
Tgt Ion:172 Resp: 2457872

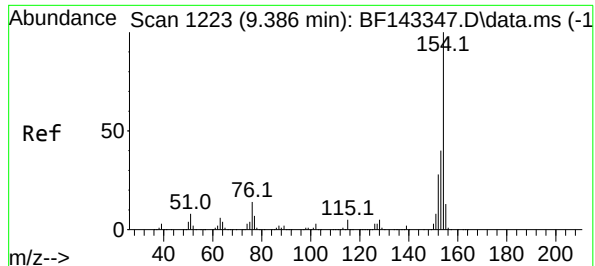
Ion Ratio Lower Upper

172 100

171 36.4 28.4 42.6

170 24.0 19.1 28.7

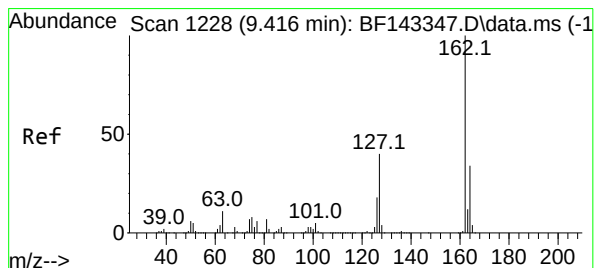
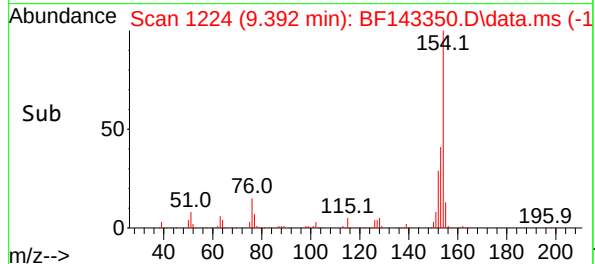
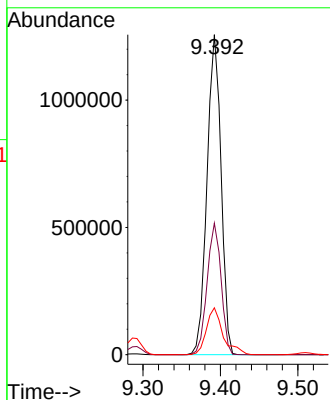
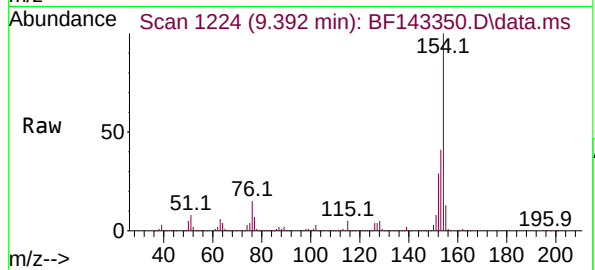




#46
1,1'-Biphenyl
Concen: 69.203 ng
RT: 9.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

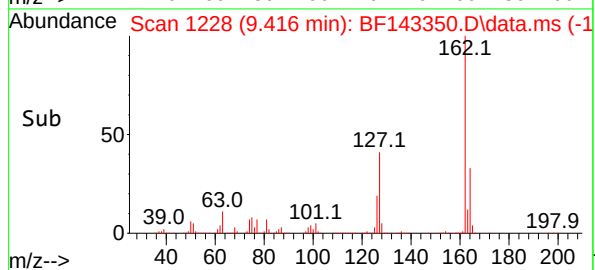
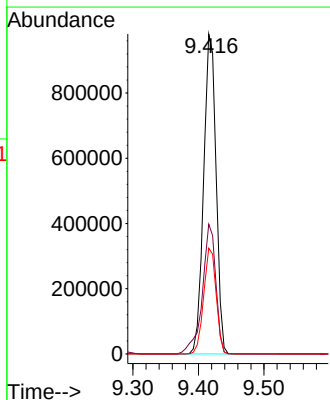
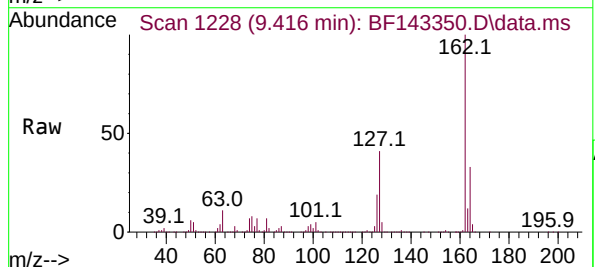
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

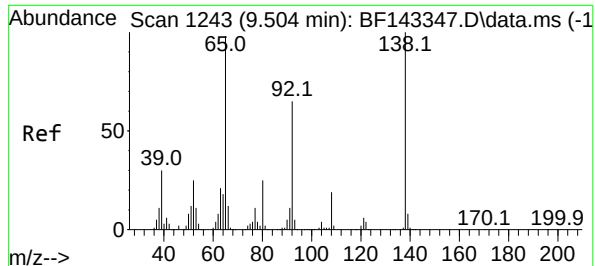
Tgt Ion:154 Resp: 1580379
Ion Ratio Lower Upper
154 100
153 41.1 20.2 60.2
76 14.6 0.0 34.4



#47
2-Chloronaphthalene
Concen: 72.042 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:162 Resp: 1295723
Ion Ratio Lower Upper
162 100
127 40.5 32.1 48.1
164 33.1 27.0 40.4





#48

2-Nitroaniline

Concen: 80.247 ng

RT: 9.510 min Scan# 1244

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

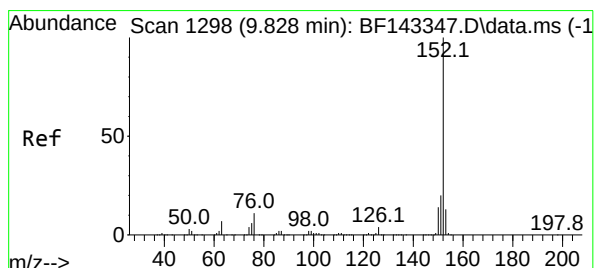
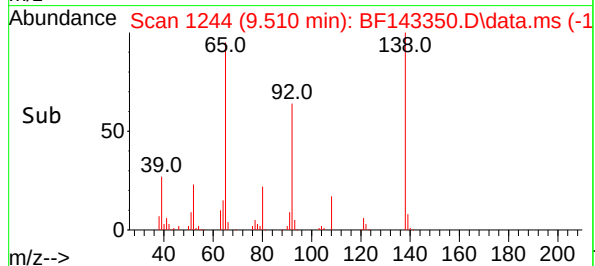
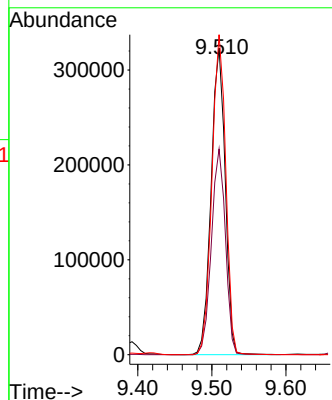
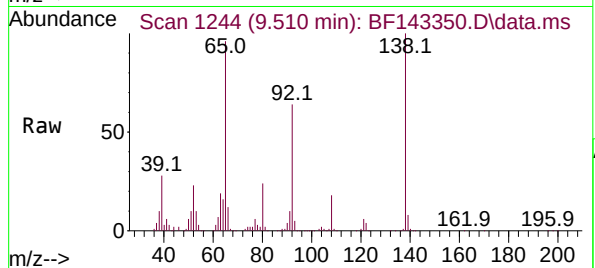
Tgt Ion: 65 Resp: 426490

Ion Ratio Lower Upper

65 100

92 67.1 53.1 79.7

138 104.4 81.4 122.0



#49

Acenaphthylene

Concen: 71.842 ng

RT: 9.833 min Scan# 1299

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

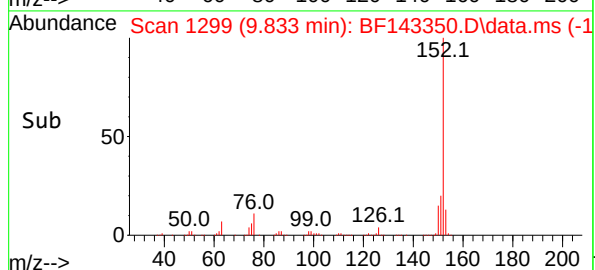
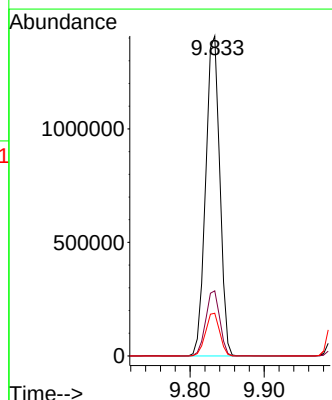
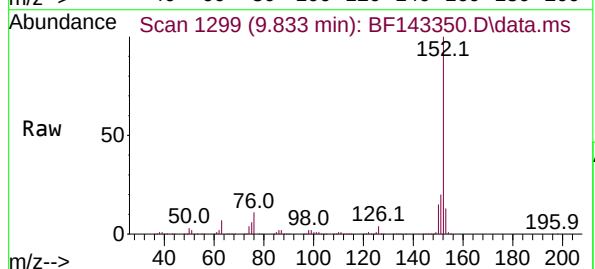
Tgt Ion: 152 Resp: 1865988

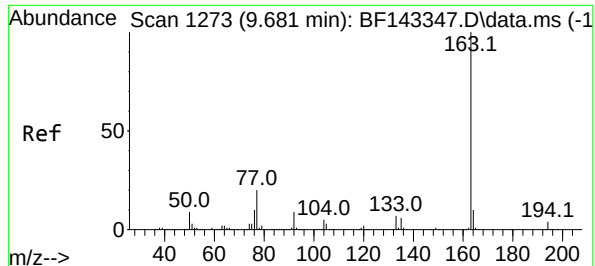
Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 13.3 10.6 16.0





#50

Dimethylphthalate

Concen: 75.513 ng

RT: 9.686 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

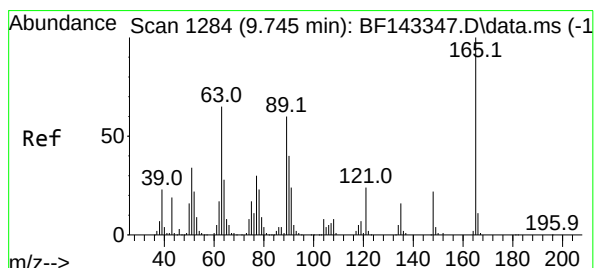
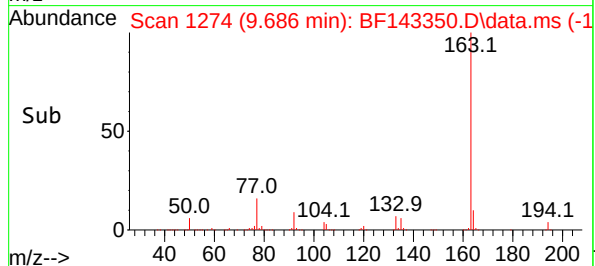
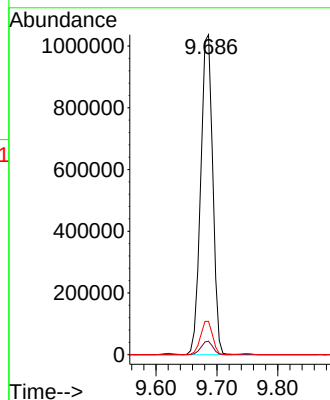
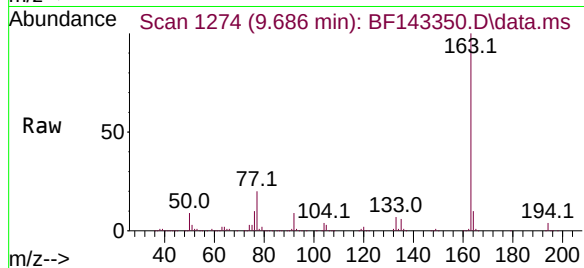
Tgt Ion:163 Resp: 1425124

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.4 8.2 12.2



#51

2,6-Dinitrotoluene

Concen: 80.211 ng

RT: 9.751 min Scan# 1285

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

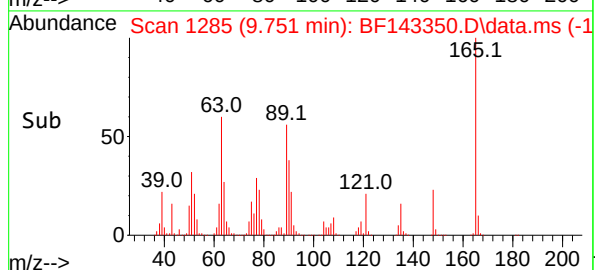
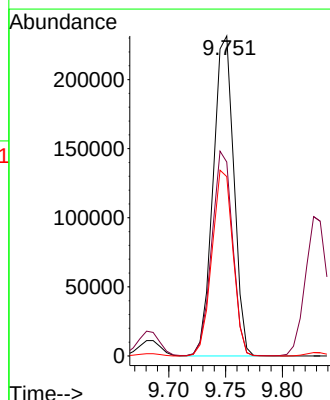
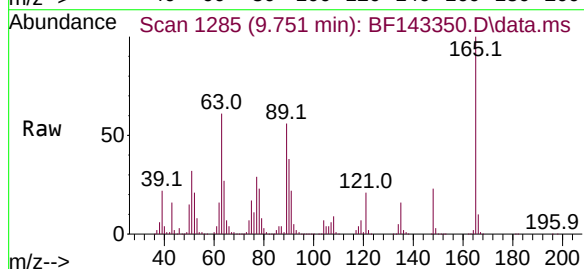
Tgt Ion:165 Resp: 294018

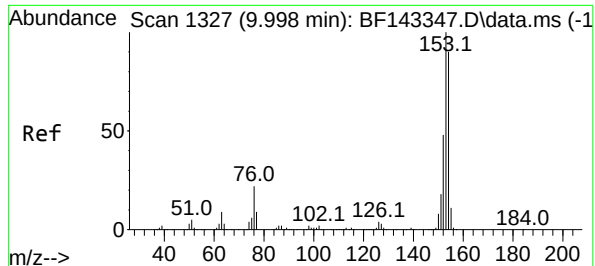
Ion Ratio Lower Upper

165 100

63 60.6 51.6 77.4

89 56.1 47.7 71.5

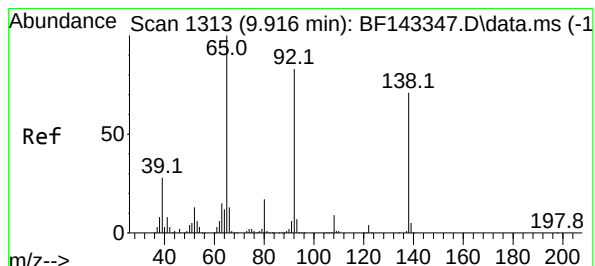
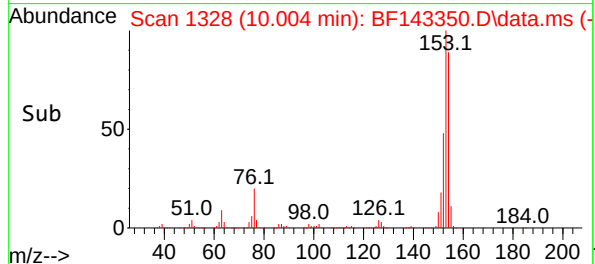
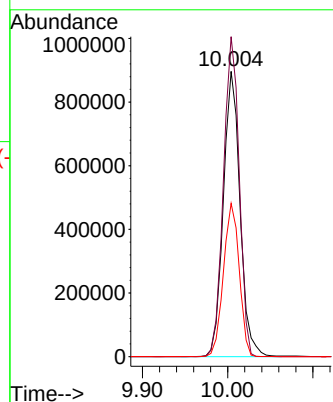
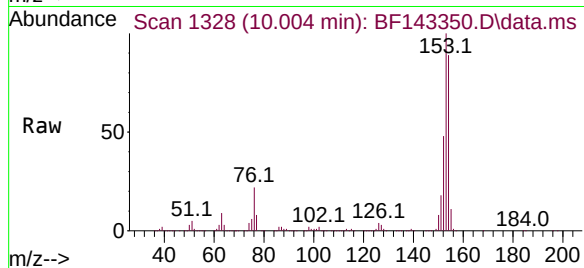




#52
Acenaphthene
Concen: 70.714 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

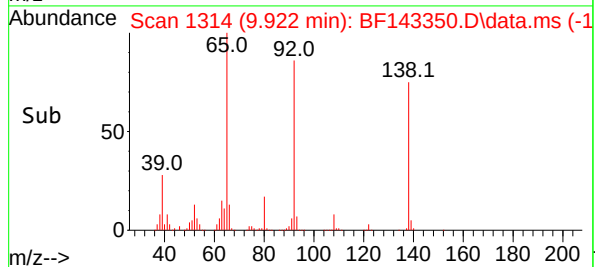
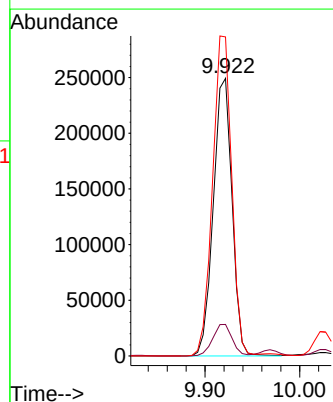
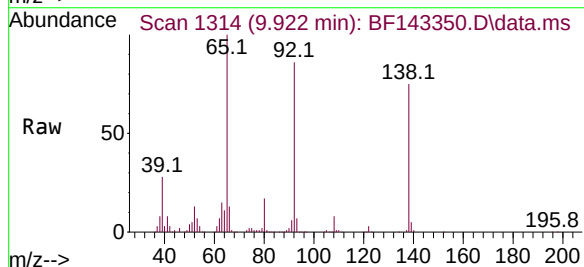
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

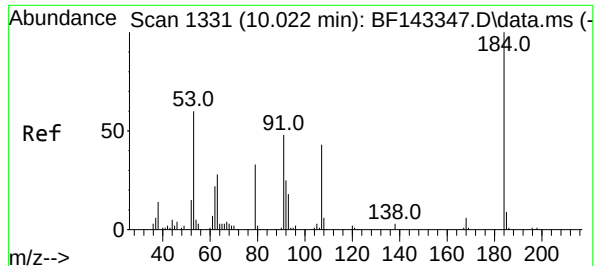
Tgt Ion:154 Resp: 1221046
Ion Ratio Lower Upper
154 100
153 112.2 88.5 132.7
152 53.7 42.4 63.6



#53
3-Nitroaniline
Concen: 88.887 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:138 Resp: 343541
Ion Ratio Lower Upper
138 100
108 11.3 9.6 14.4
92 114.9 93.4 140.2

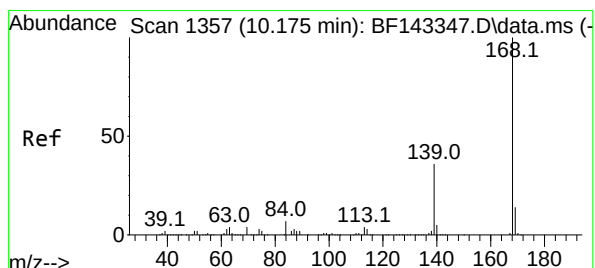
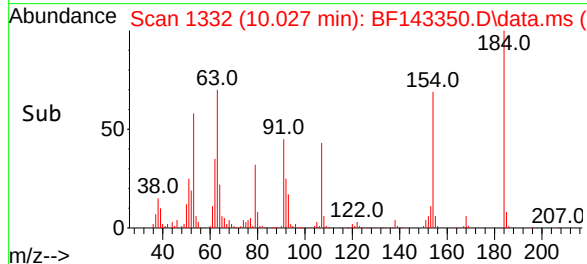
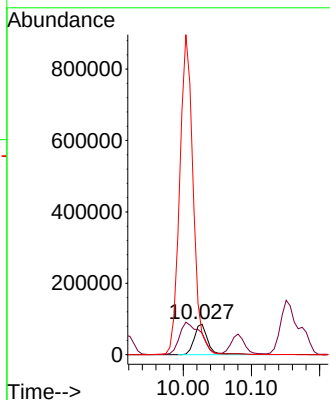
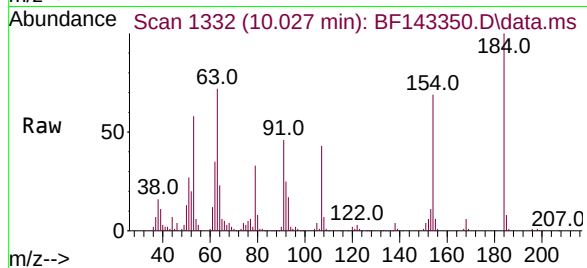




#54
2,4-Dinitrophenol
Concen: 79.041 ng
RT: 10.027 min Scan# 1331
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

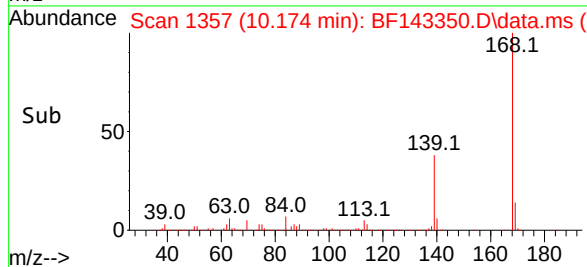
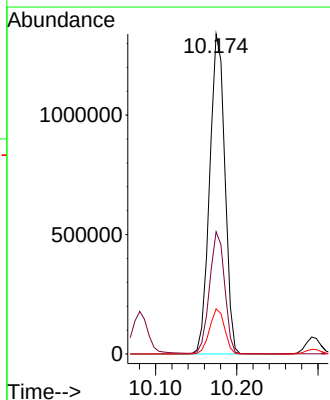
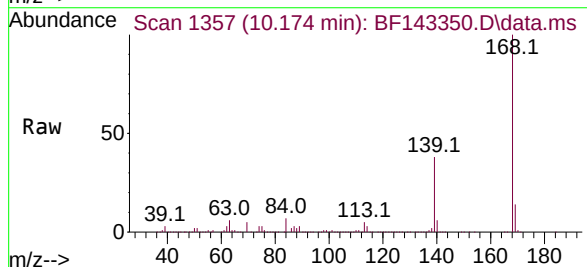
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

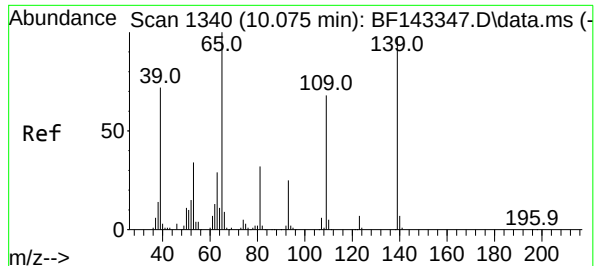
Tgt Ion:184 Resp: 118753
Ion Ratio Lower Upper
184 100
63 71.5 62.5 93.7
154 69.2 73.0 109.4#



#55
Dibenzofuran
Concen: 69.969 ng
RT: 10.174 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:168 Resp: 1738835
Ion Ratio Lower Upper
168 100
139 38.2 29.4 44.0
169 14.1 11.0 16.6

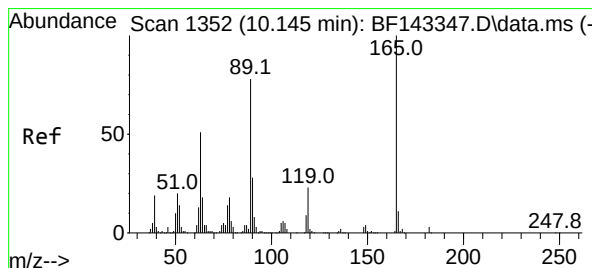
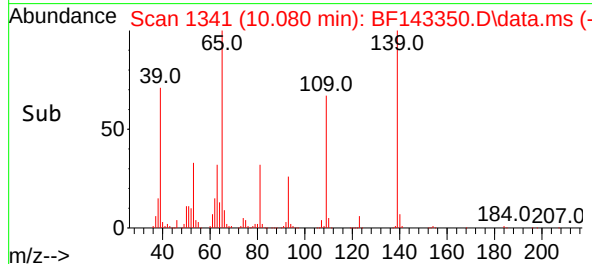
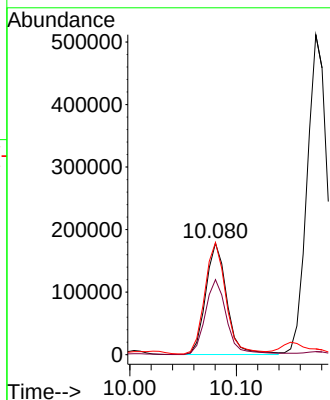
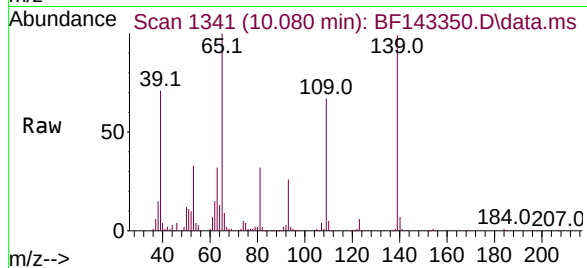




#56
4-Nitrophenol
Concen: 79.477 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

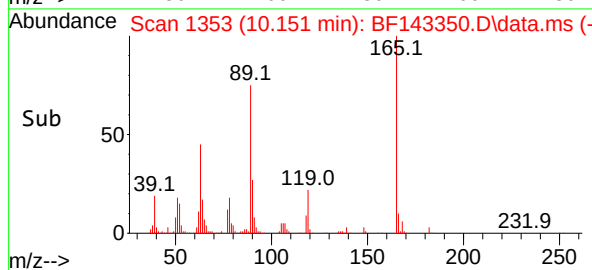
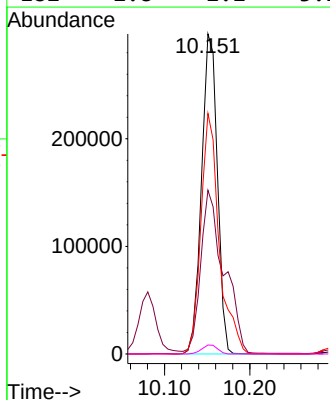
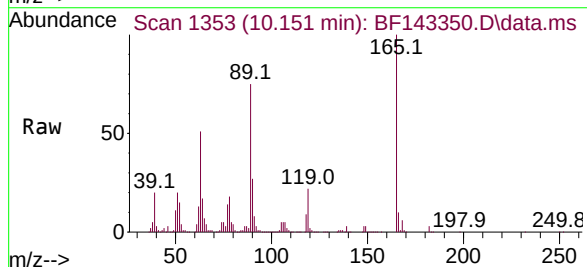
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

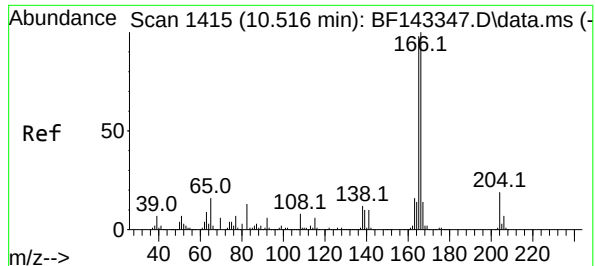
Tgt Ion:139 Resp: 245374
Ion Ratio Lower Upper
139 100
109 67.4 49.4 89.4
65 100.6 83.7 123.7



#57
2,4-Dinitrotoluene
Concen: 78.864 ng
RT: 10.151 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

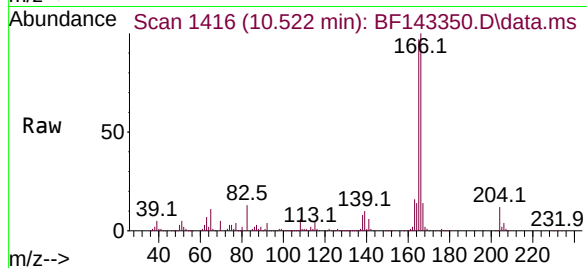
Tgt Ion:165 Resp: 383533
Ion Ratio Lower Upper
165 100
63 51.2 41.8 62.8
89 75.1 62.4 93.6
182 2.8 2.2 3.2



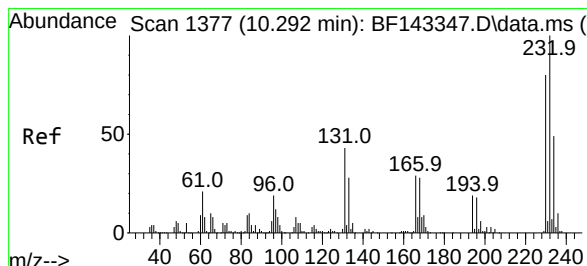
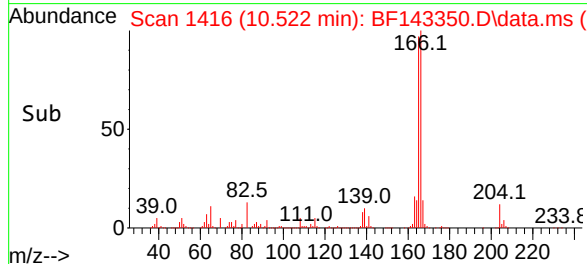
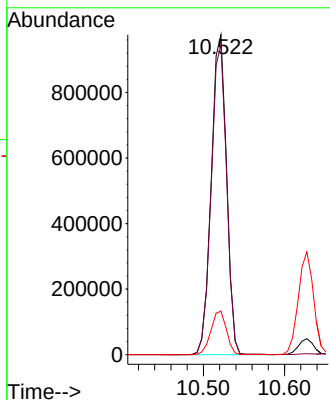


#58
Fluorene
Concen: 67.103 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

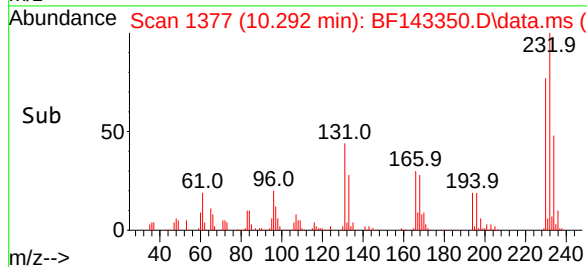
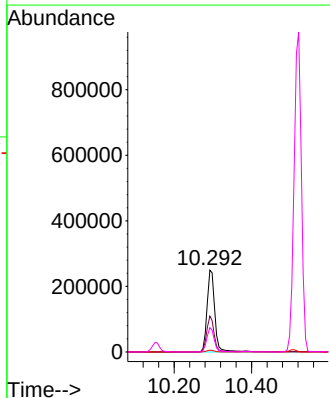
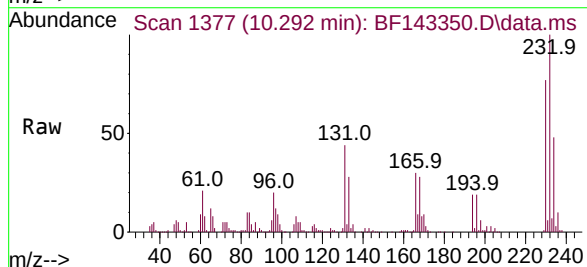


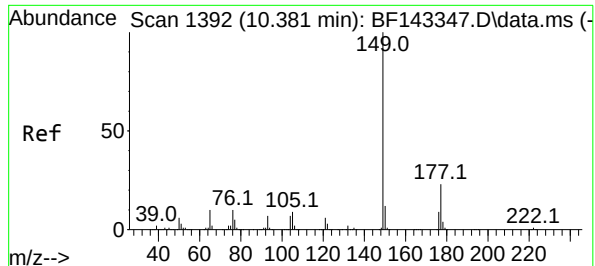
Tgt Ion:166 Resp: 1273759
Ion Ratio Lower Upper
166 100
165 97.0 78.2 117.4
167 13.6 10.9 16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 91.466 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:232 Resp: 349157
Ion Ratio Lower Upper
232 100
131 41.7 34.6 51.8
130 2.1 1.7 2.5
166 28.3 23.4 35.0





#60

Diethylphthalate

Concen: 74.465 ng

RT: 10.386 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

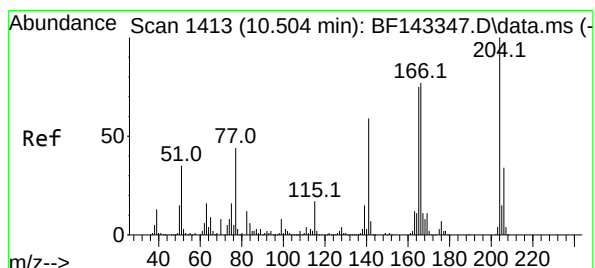
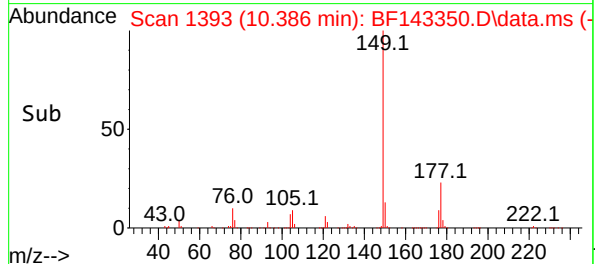
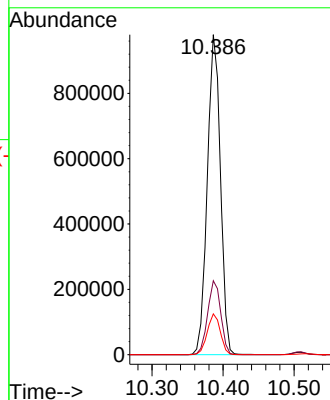
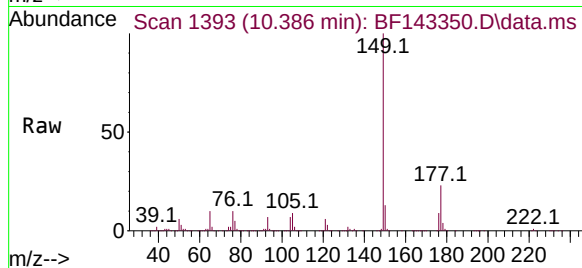
Tgt Ion:149 Resp: 1258798

Ion Ratio Lower Upper

149 100

177 23.1 18.2 27.2

150 12.8 9.9 14.9



#61

4-Chlorophenyl-phenylether

Concen: 70.191 ng

RT: 10.510 min Scan# 1414

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

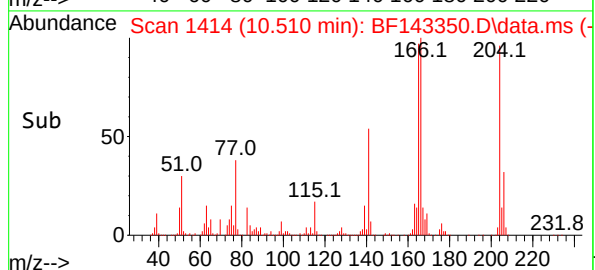
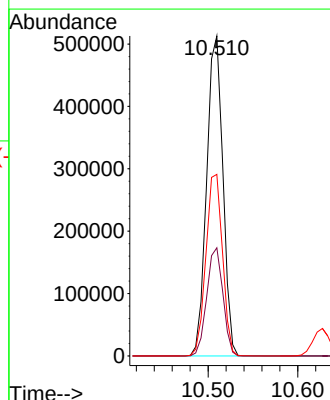
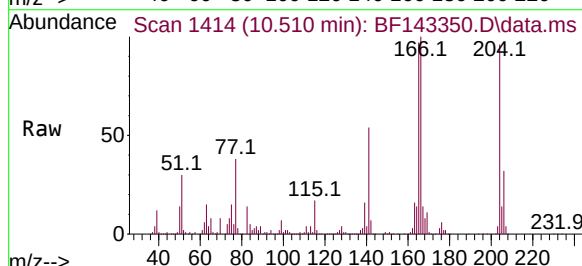
Tgt Ion:204 Resp: 643793

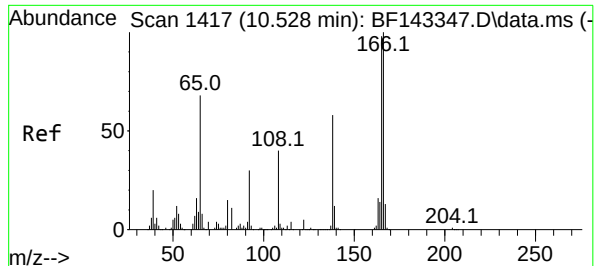
Ion Ratio Lower Upper

204 100

206 33.8 27.4 41.2

141 56.8 46.9 70.3

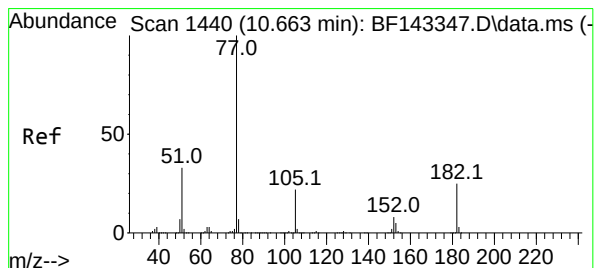
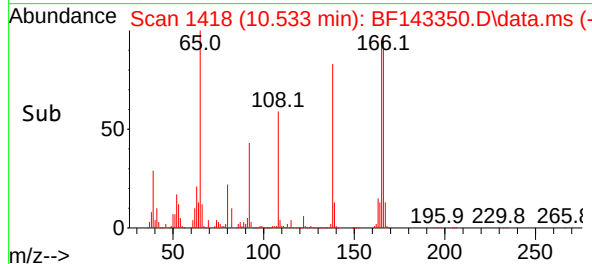
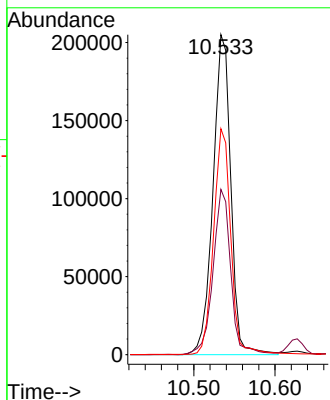
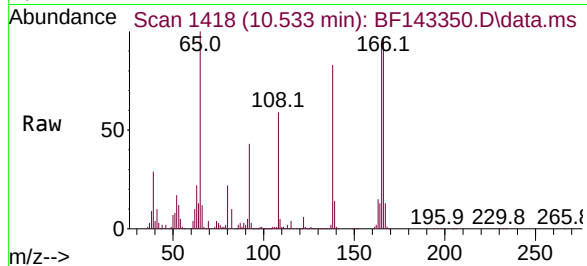




#62
4-Nitroaniline
Concen: 83.616 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

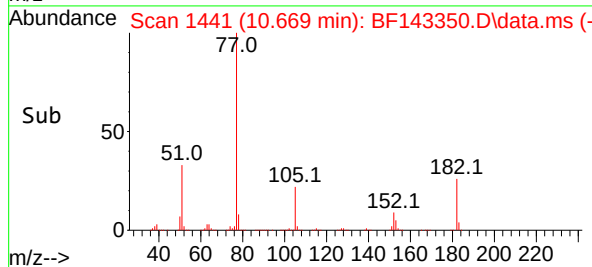
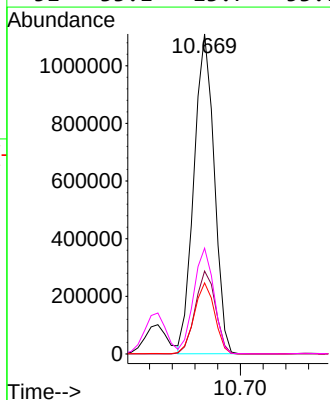
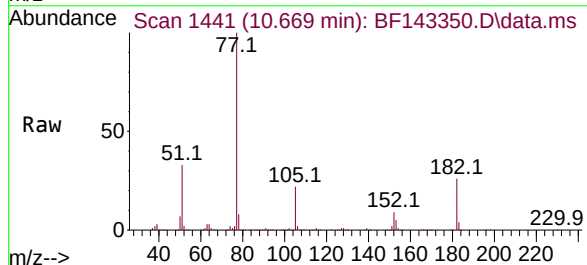
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

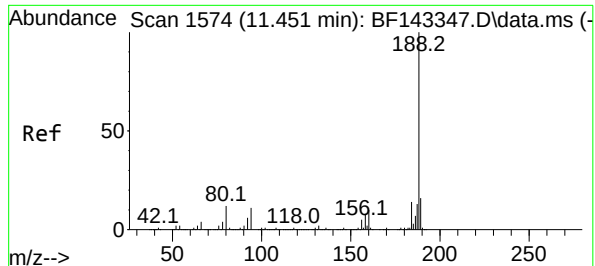
Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.7	31.2	71.2
108	70.6	48.1	88.1



#63
Azobenzene
Concen: 71.269 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.4	44.4
105	22.2	1.8	41.8
51	33.1	13.7	53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

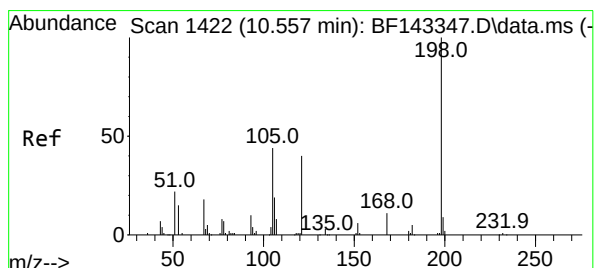
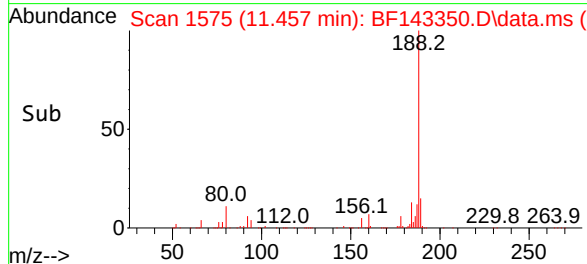
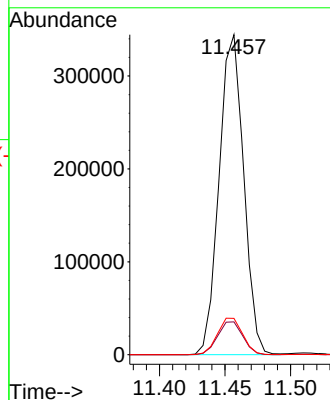
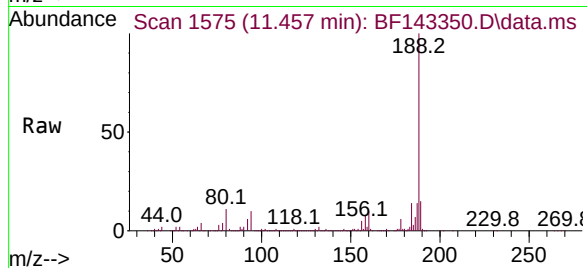
Tgt Ion:188 Resp: 448378

Ion Ratio Lower Upper

188 100

94 10.3 8.8 13.2

80 11.4 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 83.490 ng

RT: 10.569 min Scan# 1424

Delta R.T. 0.012 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

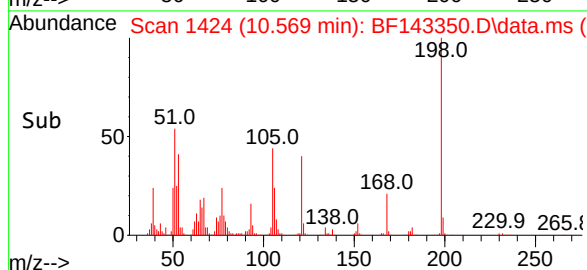
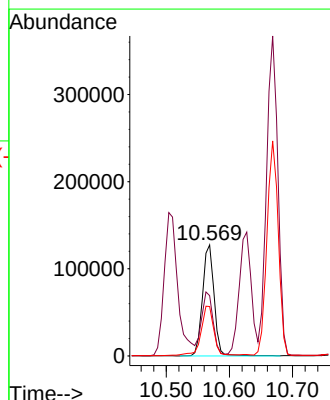
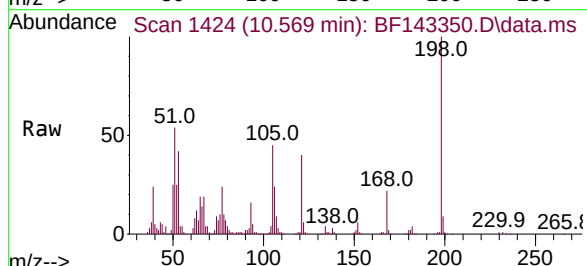
Tgt Ion:198 Resp: 162929

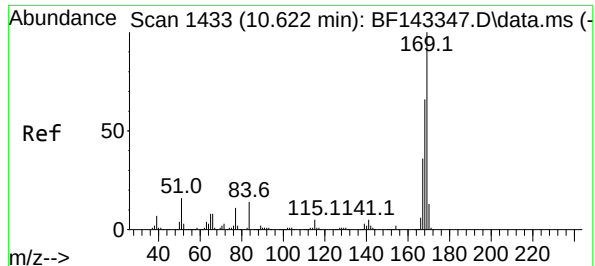
Ion Ratio Lower Upper

198 100

51 54.2 41.7 81.7

105 44.5 26.8 66.8

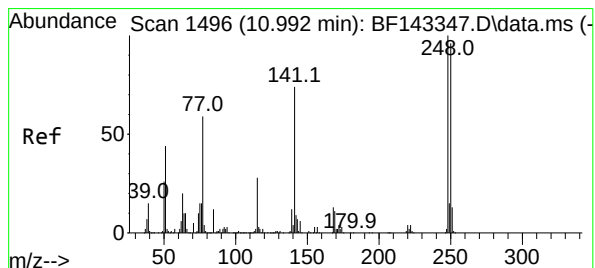
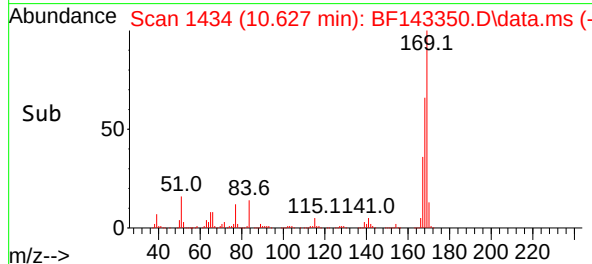
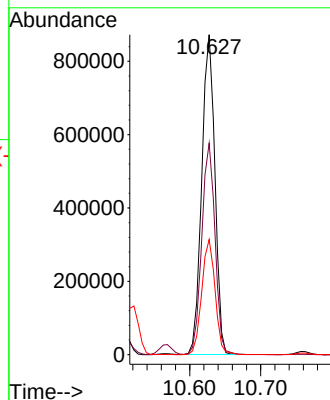
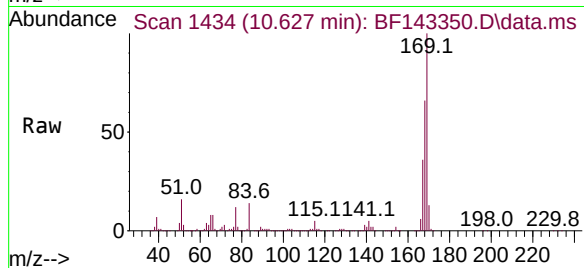




#66
n-Nitrosodiphenylamine
Concen: 76.190 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

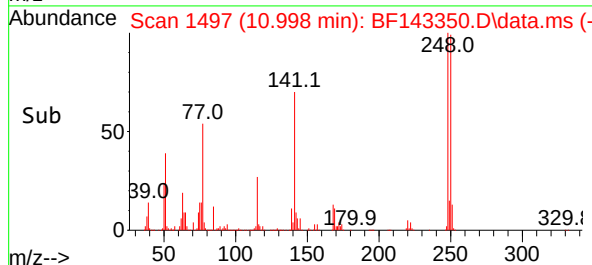
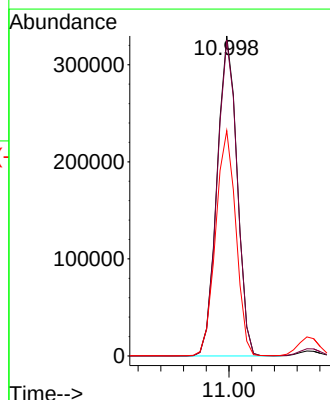
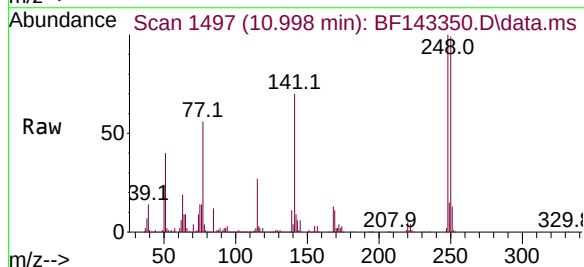
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

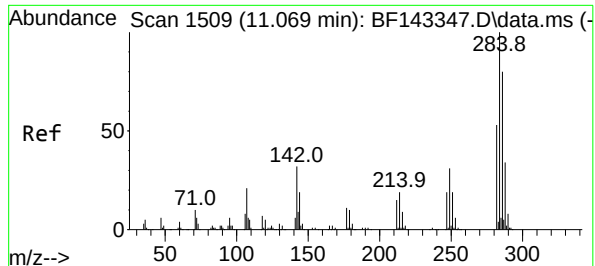
Tgt Ion:169 Resp: 1124872
Ion Ratio Lower Upper
169 100
168 66.1 52.7 79.1
167 36.0 28.6 42.8



#67
4-Bromophenyl-phenylether
Concen: 79.007 ng
RT: 10.998 min Scan# 1497
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:248 Resp: 405148
Ion Ratio Lower Upper
248 100
250 98.7 77.1 115.7
141 70.4 59.1 88.7





#68

Hexachlorobenzene

Concen: 78.001 ng

RT: 11.074 min Scan# 1509

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

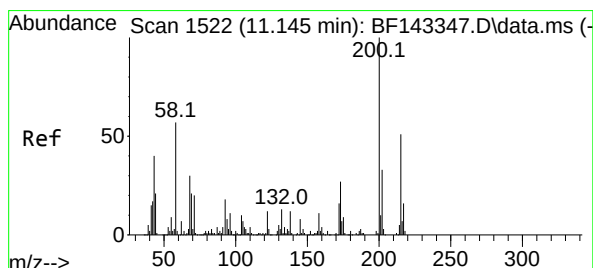
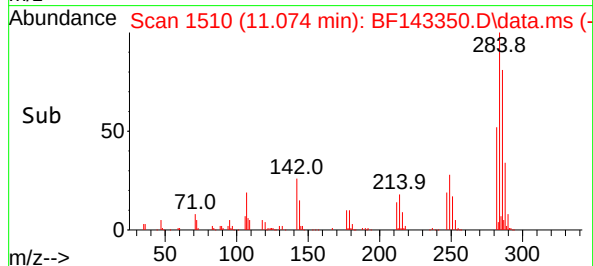
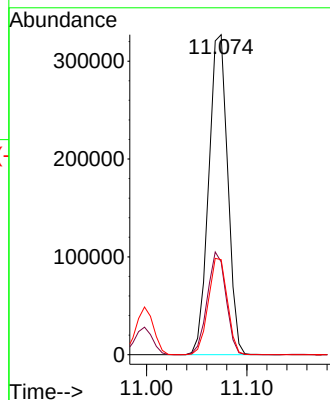
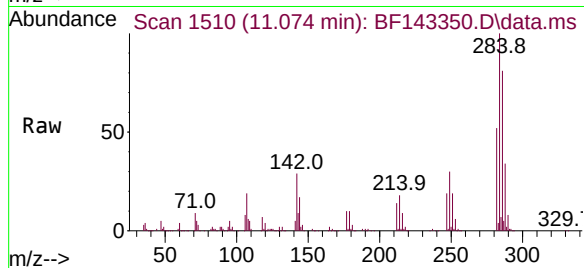
Tgt Ion:284 Resp: 431148

Ion Ratio Lower Upper

284 100

142 29.0 25.7 38.5

249 29.7 24.6 37.0



#69

Atrazine

Concen: 80.438 ng

RT: 11.151 min Scan# 1523

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

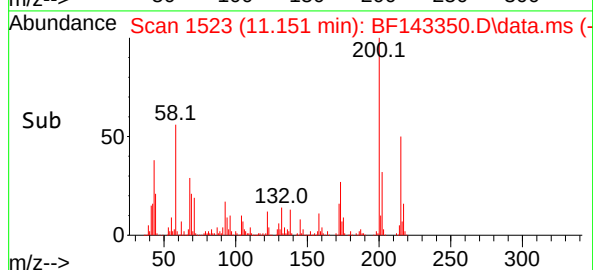
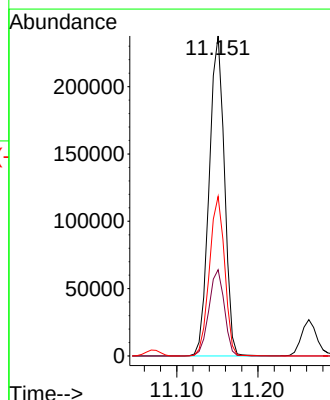
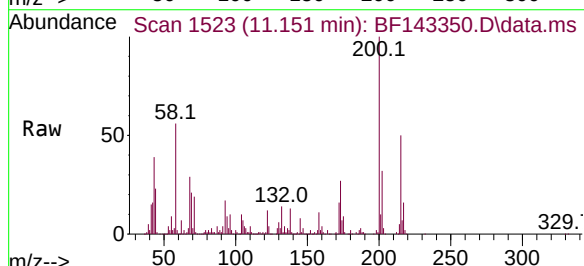
Tgt Ion:200 Resp: 309748

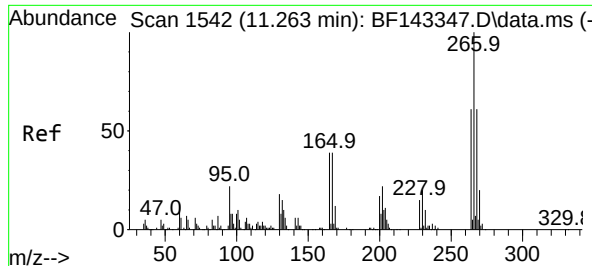
Ion Ratio Lower Upper

200 100

173 26.9 6.6 46.6

215 49.8 30.6 70.6





#70

Pentachlorophenol

Concen: 80.616 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

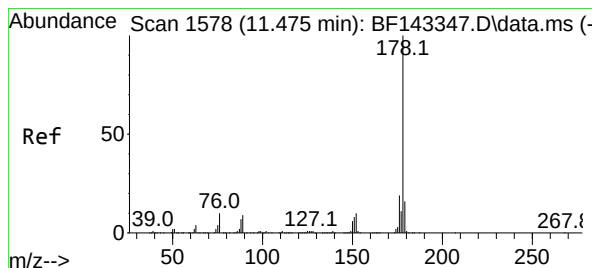
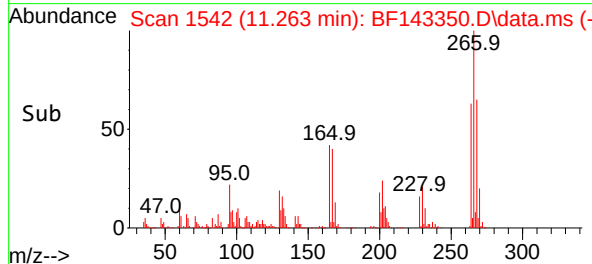
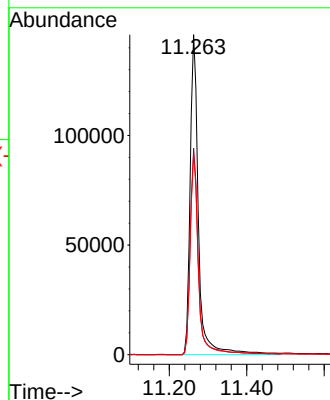
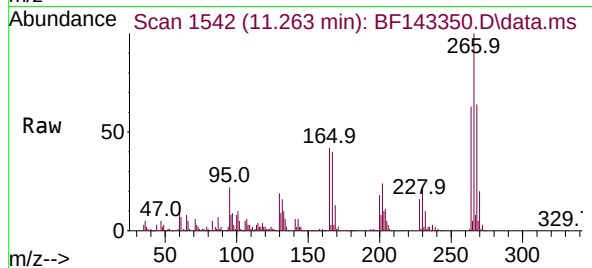
Tgt Ion:266 Resp: 218250

Ion Ratio Lower Upper

266 100

268 64.5 48.8 73.2

264 62.8 48.8 73.2



#71

Phenanthrene

Concen: 71.351 ng

RT: 11.480 min Scan# 1579

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

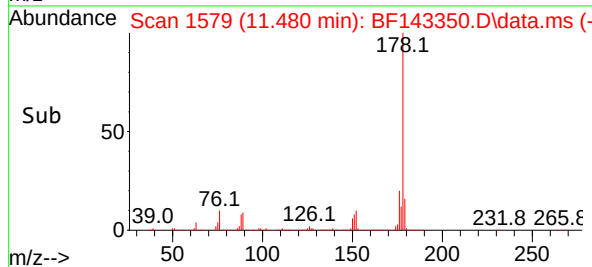
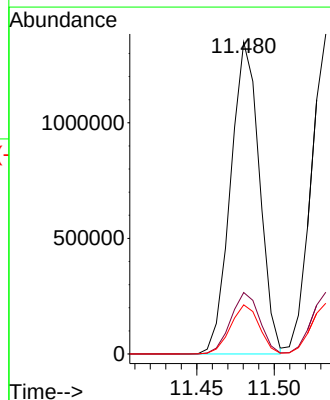
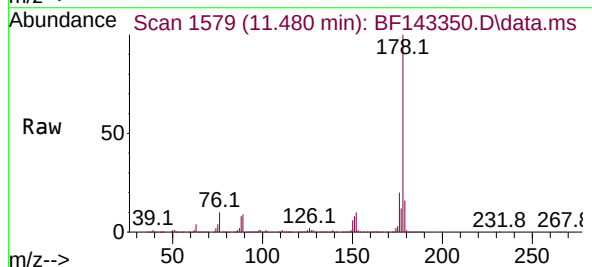
Tgt Ion:178 Resp: 1745493

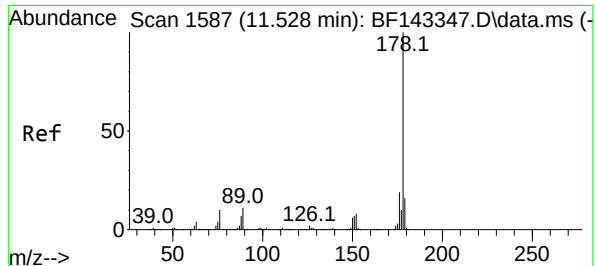
Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 15.7 12.5 18.7

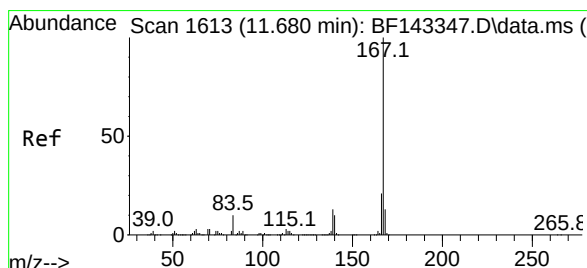
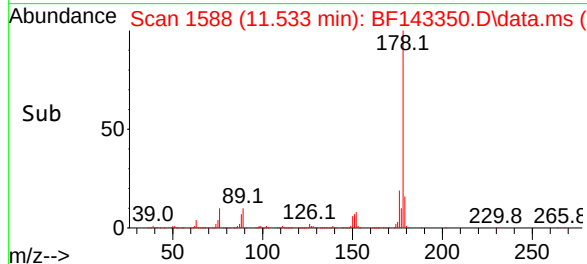
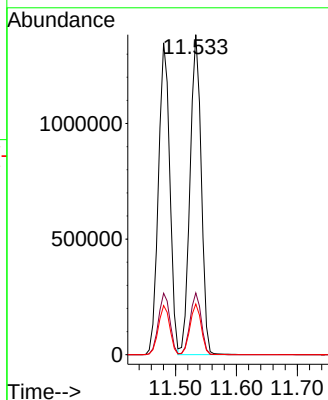
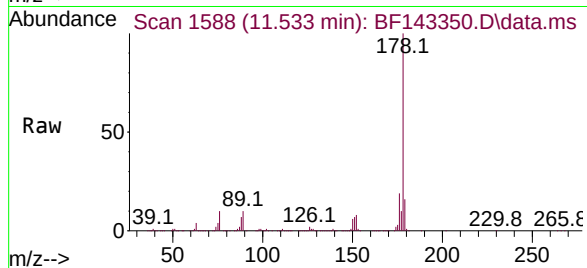




#72
Anthracene
Concen: 70.871 ng
RT: 11.533 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

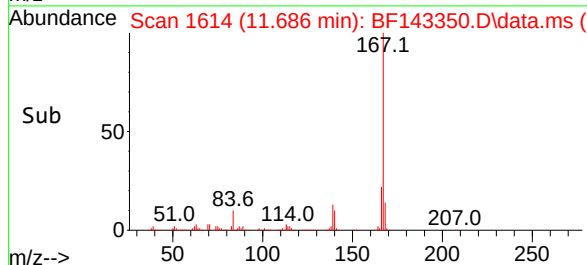
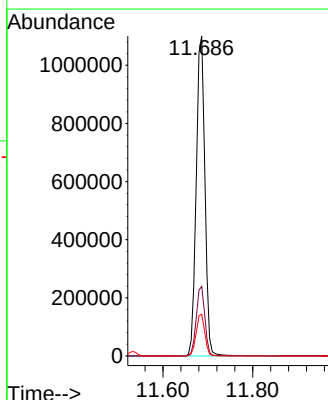
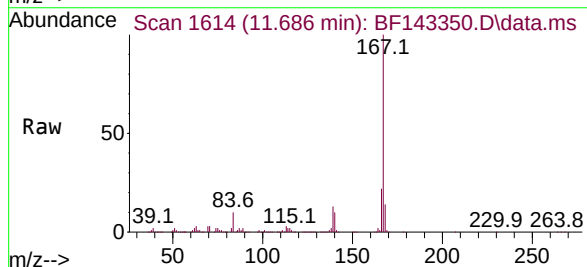
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

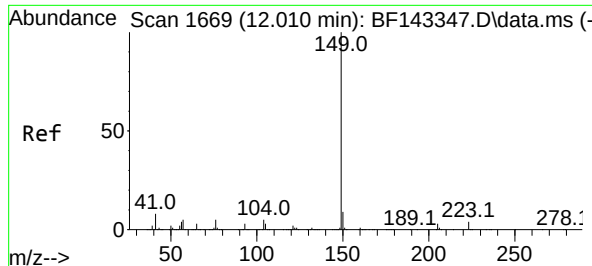
Tgt Ion:178 Resp: 1758274
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.9 12.7 19.1



#73
Carbazole
Concen: 70.029 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:167 Resp: 1479652
Ion Ratio Lower Upper
167 100
166 21.7 16.8 25.2
139 13.1 10.2 15.2





#74

Di-n-butylphthalate

Concen: 78.244 ng

RT: 12.010 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

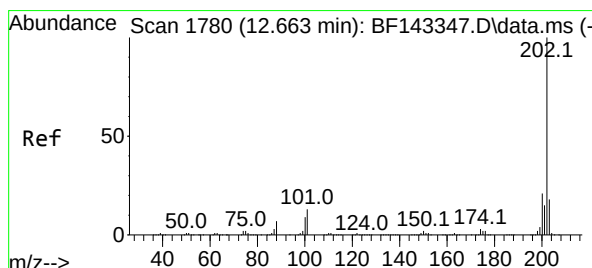
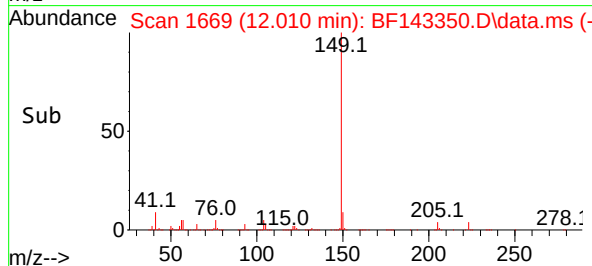
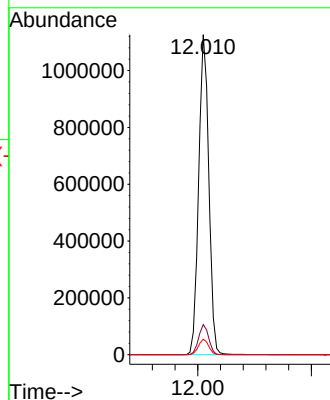
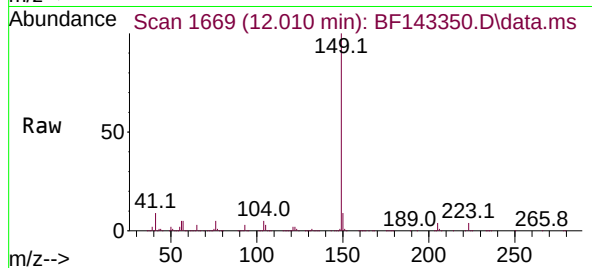
Tgt Ion:149 Resp: 1398975

Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 4.9 3.8 5.8



#75

Fluoranthene

Concen: 68.634 ng

RT: 12.668 min Scan# 1781

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

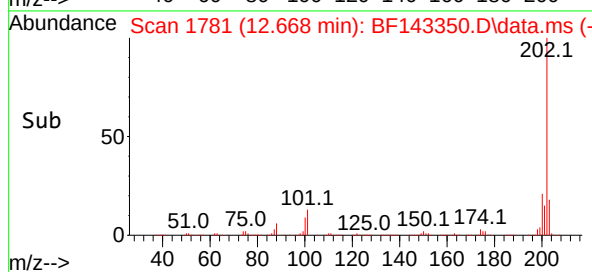
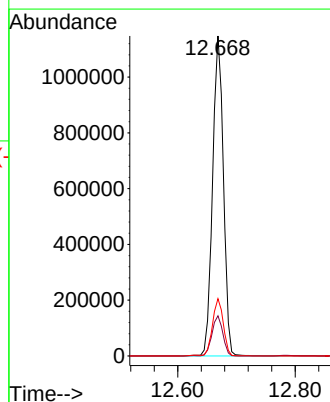
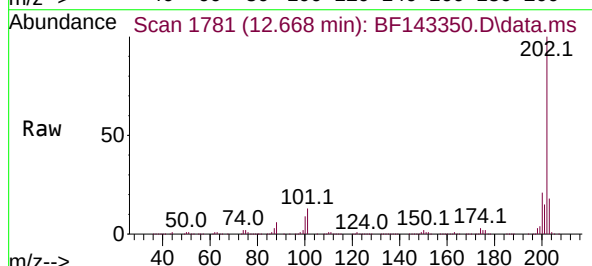
Tgt Ion:202 Resp: 1470742

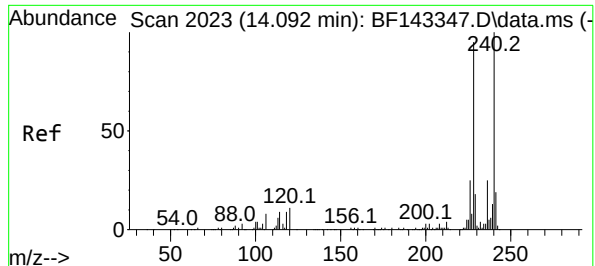
Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

203 17.9 0.0 37.6

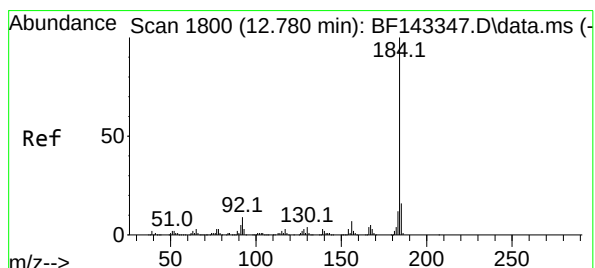
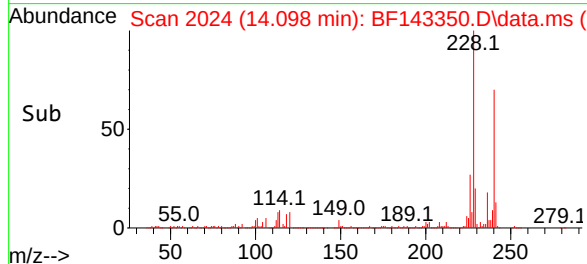
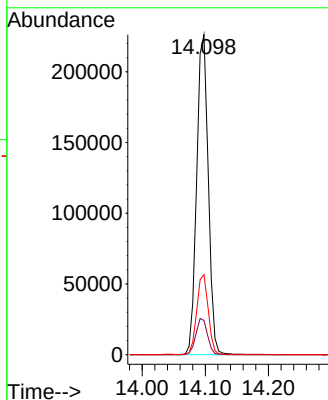
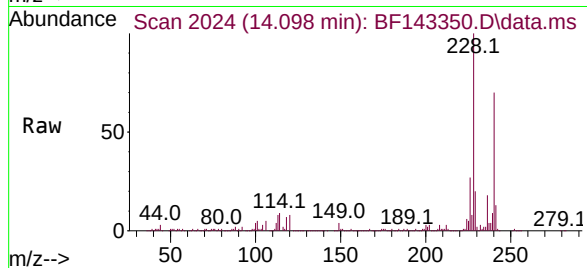




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

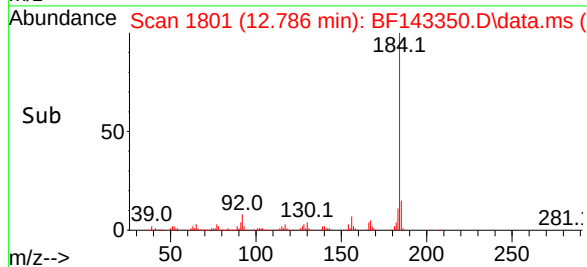
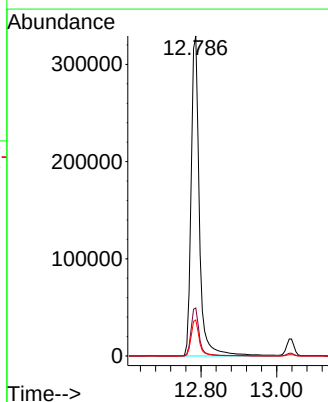
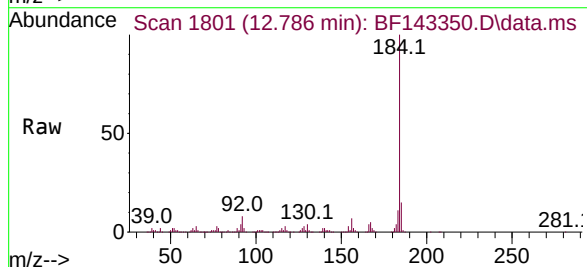
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

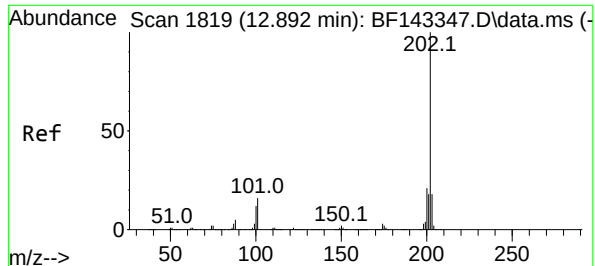
Tgt Ion:240 Resp: 287871
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.6
236 25.0 19.9 29.9



#77
Benzidine
Concen: 63.571 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:184 Resp: 500314
Ion Ratio Lower Upper
184 100
185 15.0 12.8 19.2
183 11.2 9.3 13.9

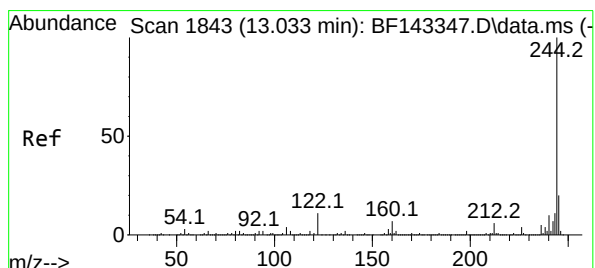
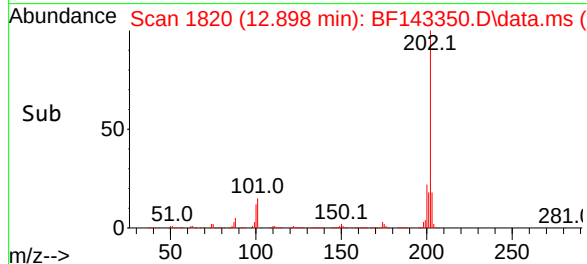
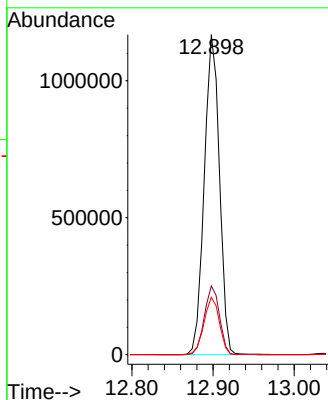
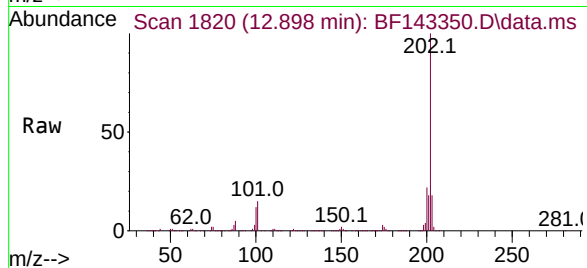




#78
Pyrene
Concen: 62.684 ng
RT: 12.898 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

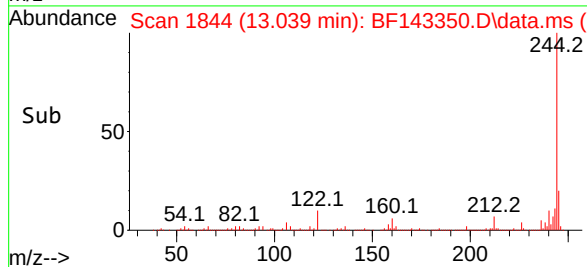
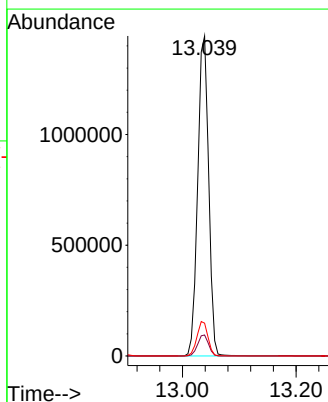
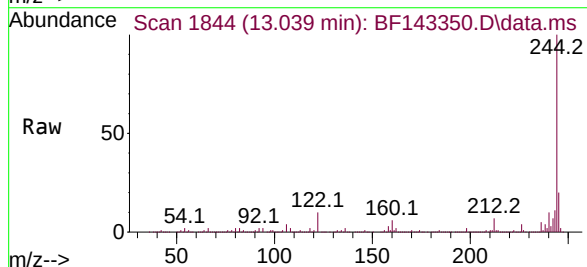
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

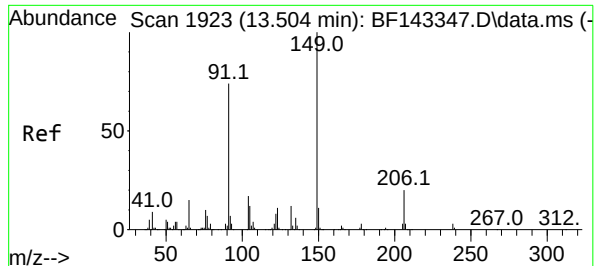
Tgt Ion:202 Resp: 1513789
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 18.0 14.2 21.4



#79
Terphenyl-d14
Concen: 120.053 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:244 Resp: 1935761
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 10.2 8.9 13.3





#80

Butylbenzylphthalate

Concen: 84.007 ng

RT: 13.510 min Scan# 1923

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

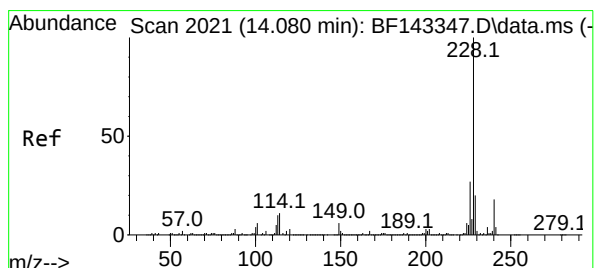
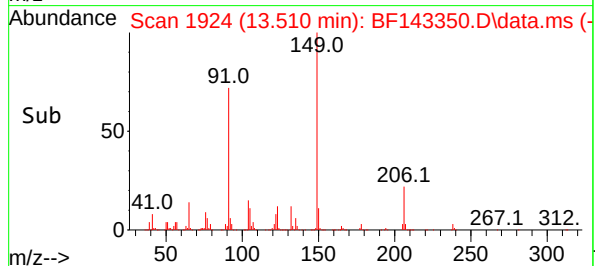
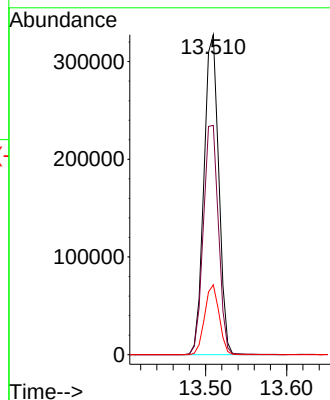
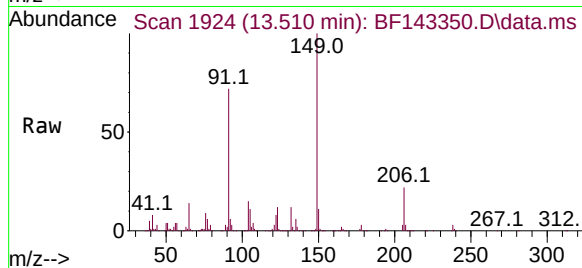
Tgt Ion:149 Resp: 413801

Ion Ratio Lower Upper

149 100

91 71.6 58.8 88.2

206 21.9 16.4 24.6



#81

Benzo(a)anthracene

Concen: 75.847 ng

RT: 14.086 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

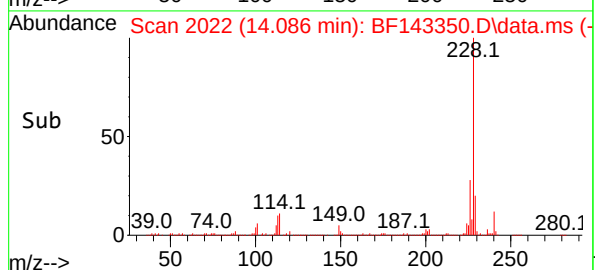
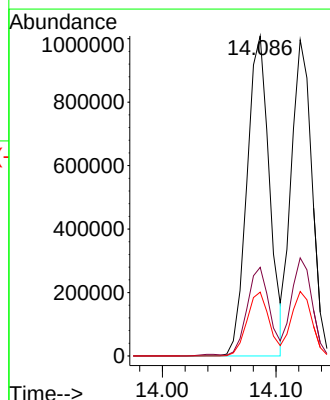
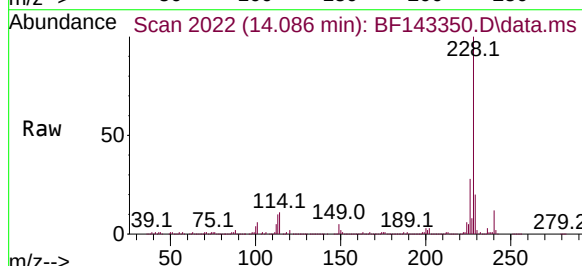
Tgt Ion:228 Resp: 1387766

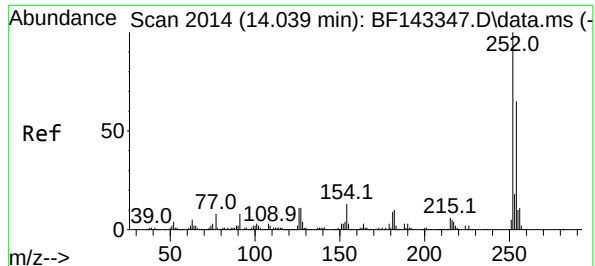
Ion Ratio Lower Upper

228 100

226 27.7 22.0 33.0

229 19.9 15.8 23.8





#82

3,3'-Dichlorobenzidine

Concen: 83.540 ng

RT: 14.045 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

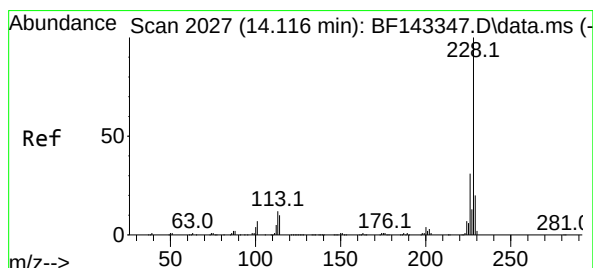
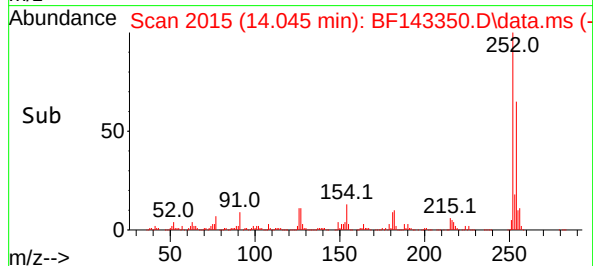
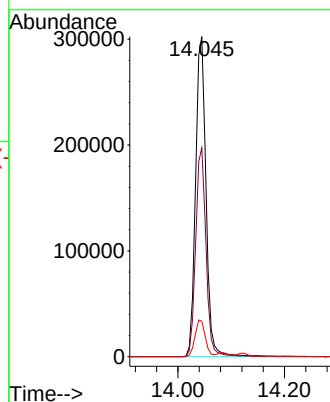
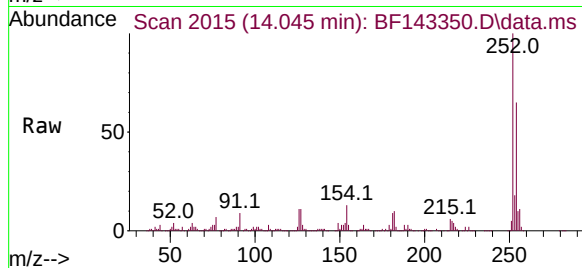
Tgt Ion:252 Resp: 412736

Ion Ratio Lower Upper

252 100

254 65.2 51.7 77.5

126 11.1 9.2 13.8



#83

Chrysene

Concen: 74.077 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

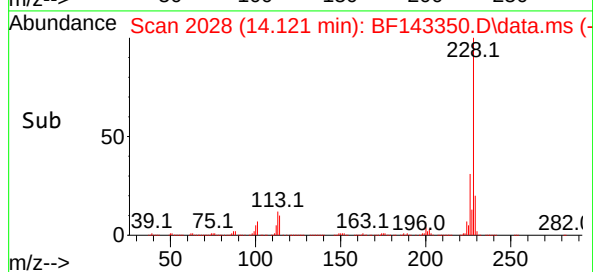
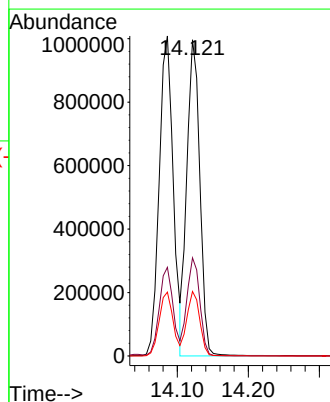
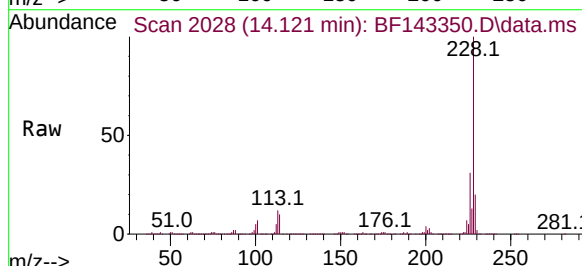
Tgt Ion:228 Resp: 1263816

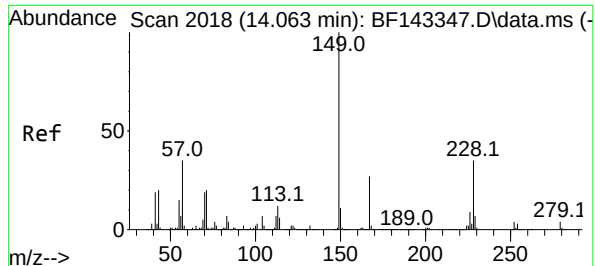
Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.2

229 20.4 15.8 23.6

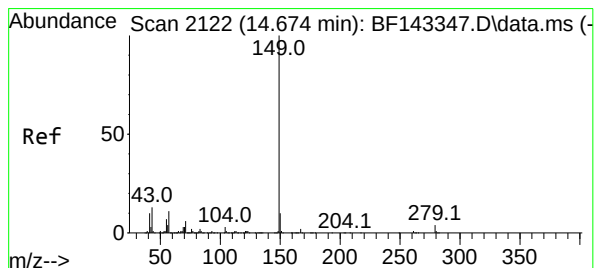
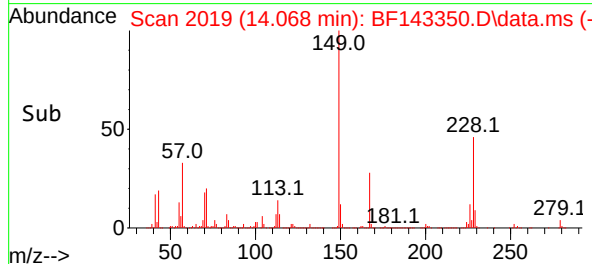
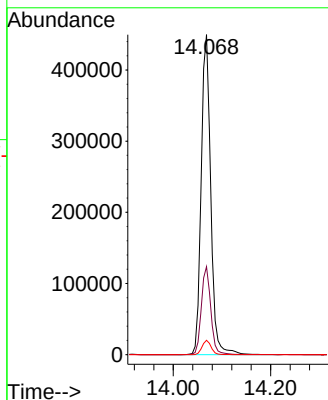
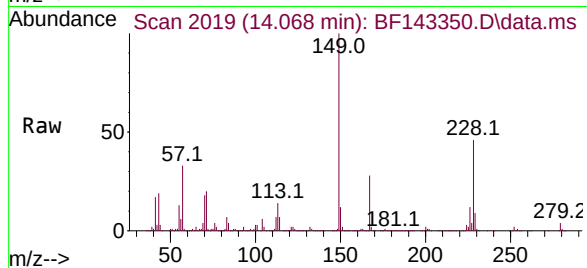




#84
Bis(2-ethylhexyl)phthalate
Concen: 83.803 ng
RT: 14.068 min Scan# 2018
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

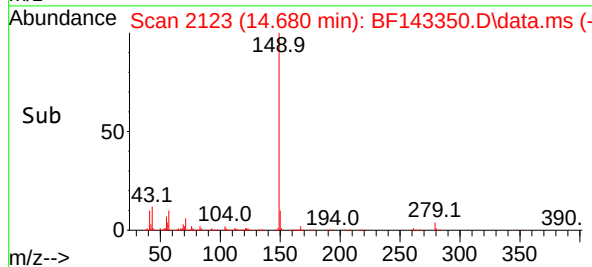
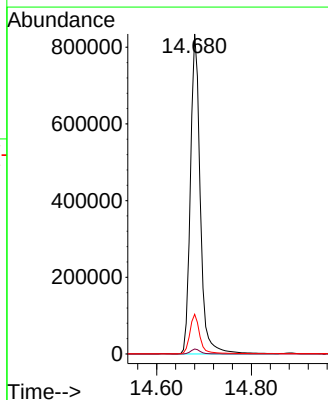
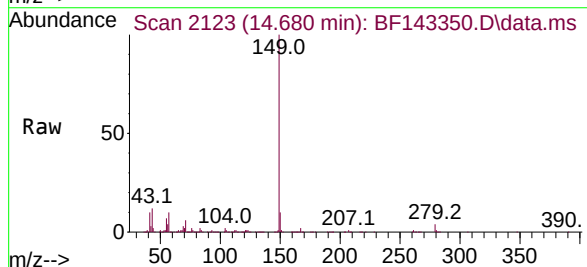
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

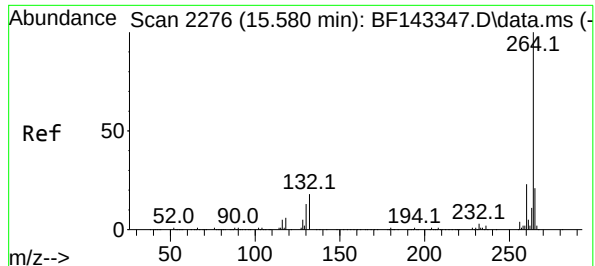
Tgt Ion:149 Resp: 611031
Ion Ratio Lower Upper
149 100
167 27.5 21.4 32.0
279 4.5 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 81.478 ng
RT: 14.680 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:149 Resp: 1205873
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.6 10.8 16.2

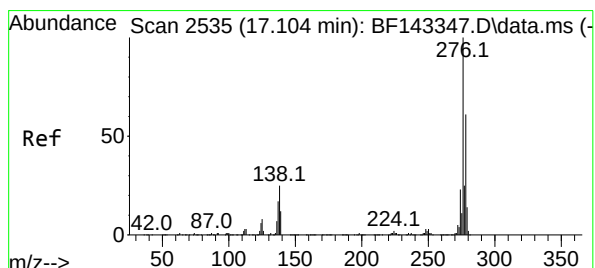
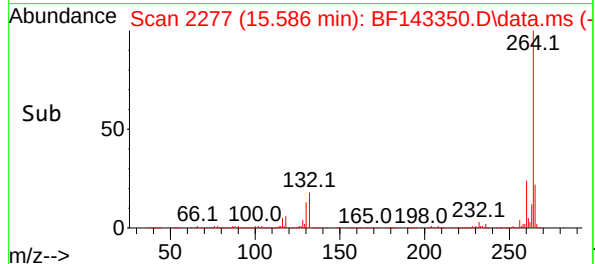
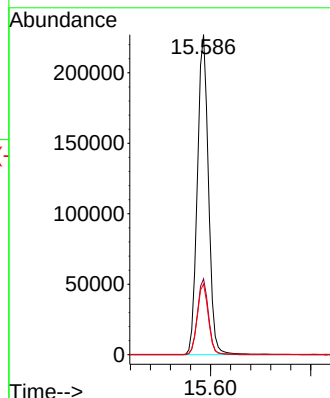
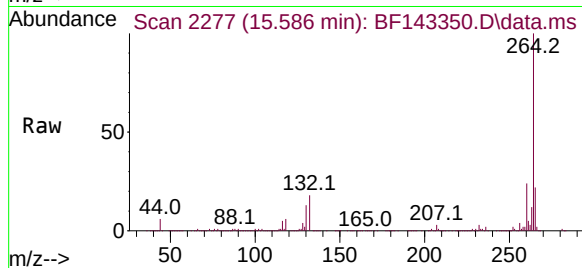




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

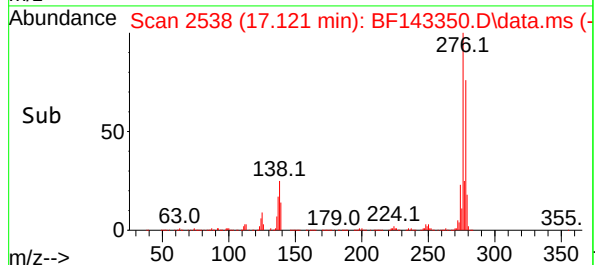
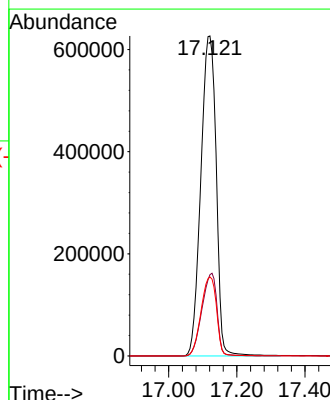
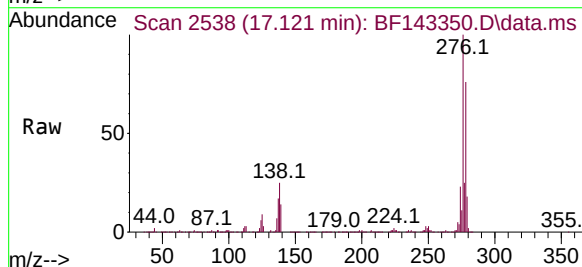
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

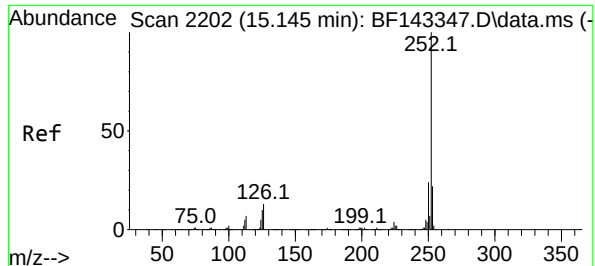
Tgt Ion:264 Resp: 348017
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 22.0 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 78.760 ng
RT: 17.121 min Scan# 2538
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:276 Resp: 1963736
Ion Ratio Lower Upper
276 100
138 25.3 21.1 31.7
277 24.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 77.108 ng

RT: 15.151 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

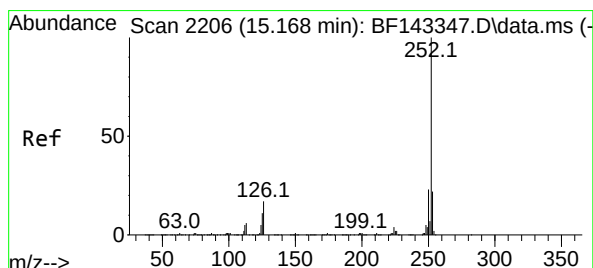
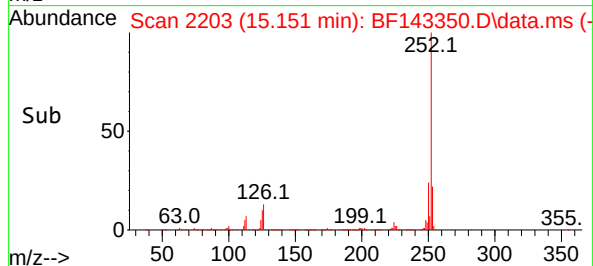
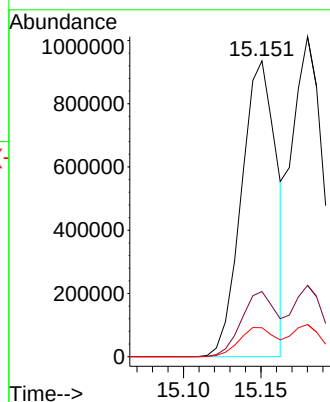
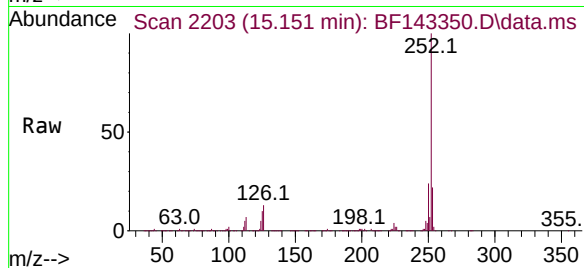
Tgt Ion:252 Resp: 1467752

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 9.8 7.8 11.6



#89

Benzo(k)fluoranthene

Concen: 77.299 ng

RT: 15.180 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

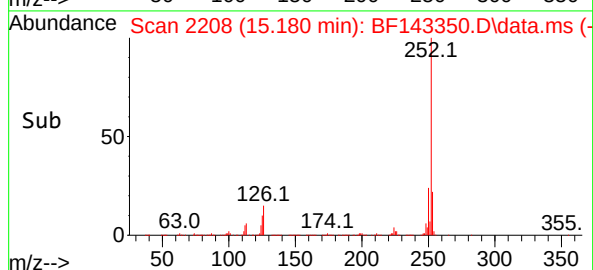
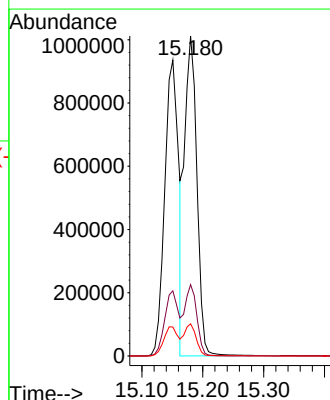
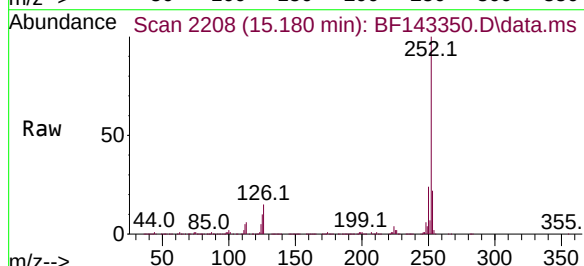
Tgt Ion:252 Resp: 1429731

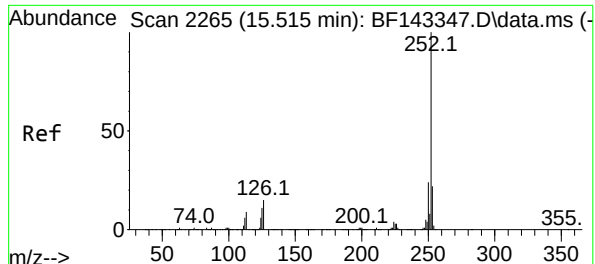
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.0 8.4 12.6





#90

Benzo(a)pyrene

Concen: 78.270 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Instrument :

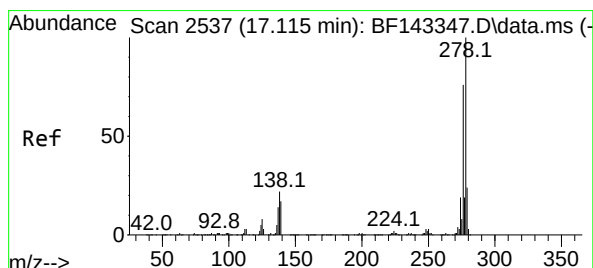
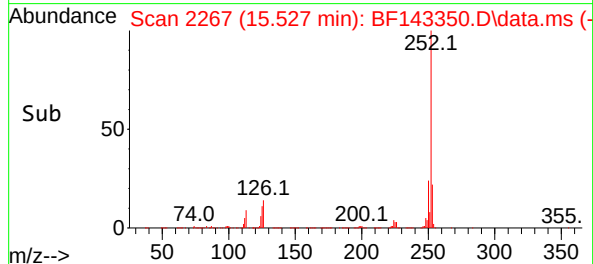
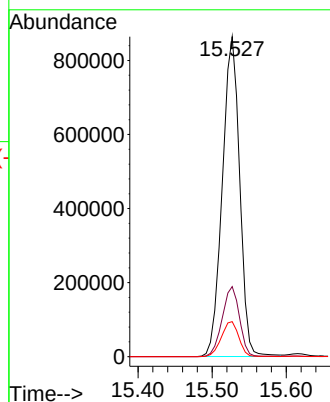
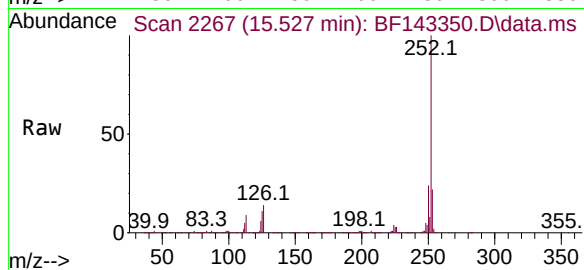
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1403212

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.0	9.1	13.7



#91

Dibenzo(a,h)anthracene

Concen: 76.479 ng

RT: 17.133 min Scan# 2540

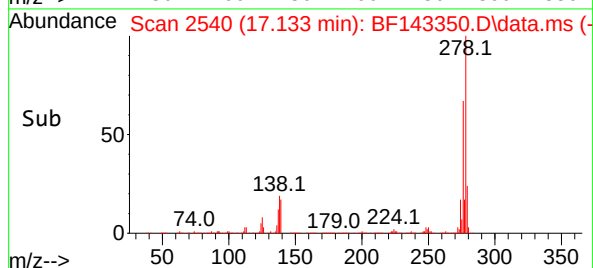
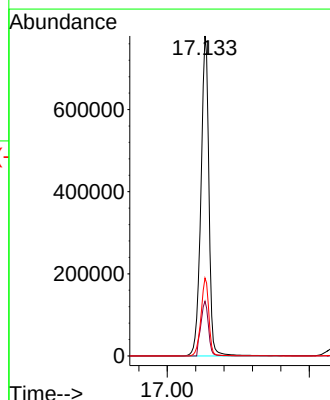
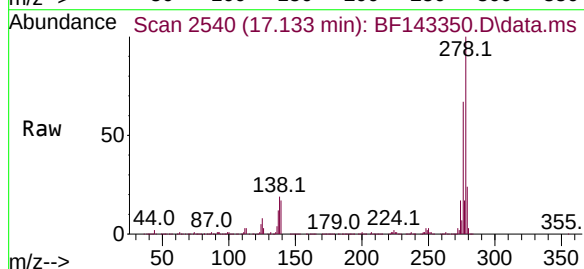
Delta R.T. 0.017 min

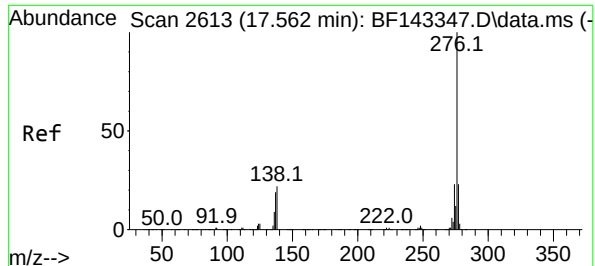
Lab File: BF143350.D

Acq: 12 Aug 2025 12:38

Tgt Ion:278 Resp: 1523387

Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.0	21.0
279	24.3	19.4	29.0





#92

Benzo(g,h,i)perylene

Concen: 77.932 ng

RT: 17.580 min Scan# 20

Delta R.T. 0.017 min

Lab File: BF143350.D

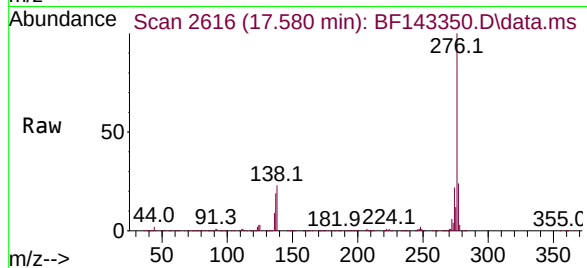
Acq: 12 Aug 2025 12:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



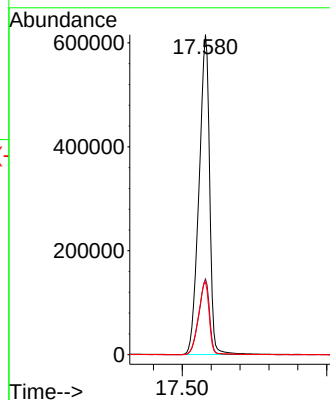
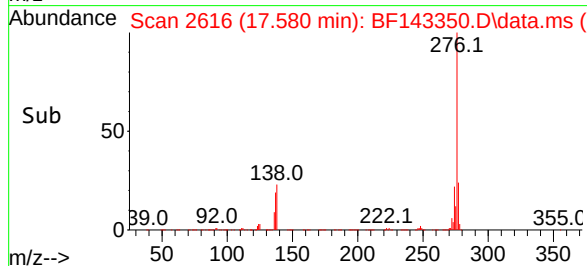
Tgt Ion:276 Resp: 1563773

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 22.6 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	162839	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	633786	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	340813	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	507289	20.000	ng	0.00
76) Chrysene-d12	14.092	240	280276	20.000	ng	0.00
86) Perylene-d12	15.580	264	324835	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	726544	77.155	ng	0.00
7) Phenol-d6	6.557	99	917587	75.986	ng	0.00
23) Nitrobenzene-d5	7.487	82	846400	83.164	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	211383	84.868	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1489585	74.116	ng	0.00
79) Terphenyl-d14	13.033	244	1227991	78.222	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.758	88	181552	37.259	ng	100
3) Pyridine	3.534	79	503048	38.741	ng	98
4) n-Nitrosodimethylamine	3.469	42	250430	41.403	ng	99
6) Aniline	6.593	93	691138	40.597	ng	98
8) 2-Chlorophenol	6.716	128	412875	41.033	ng	99
9) Benzaldehyde	6.481	77	322014	40.346	ng	99
10) Phenol	6.575	94	575912	40.258	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	411435	39.024	ng	99
12) 1,3-Dichlorobenzene	6.875	146	462064	39.813	ng	99
13) 1,4-Dichlorobenzene	6.946	146	467795	40.160	ng	99
14) 1,2-Dichlorobenzene	7.098	146	446591	40.389	ng	99
15) Benzyl Alcohol	7.069	79	366386	42.327	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	748899	39.787	ng	96
17) 2-Methylphenol	7.181	107	347573	40.922	ng	99
18) Hexachloroethane	7.445	117	154629	42.342	ng	98
19) n-Nitroso-di-n-propyla...	7.340	70	298013	39.940	ng	99
20) 3+4-Methylphenols	7.334	107	422225	41.105	ng	97
22) Acetophenone	7.334	105	558359	39.985	ng	98
24) Nitrobenzene	7.510	77	452284	40.919	ng	99
25) Isophorone	7.745	82	825406	39.728	ng	98
26) 2-Nitrophenol	7.828	139	190171	43.318	ng	99
27) 2,4-Dimethylphenol	7.863	122	384805	44.394	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	503776	39.714	ng	100
29) 2,4-Dichlorophenol	8.069	162	349559	41.289	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	366302	41.017	ng	100
31) Naphthalene	8.234	128	1170219	38.372	ng	100
32) Benzoic acid	7.969	122	157226	43.285	ng	99
33) 4-Chloroaniline	8.275	127	490782	44.618	ng	98
34) Hexachlorobutadiene	8.351	225	218687	39.366	ng	99
35) Caprolactam	8.640	113	99702	41.892	ng	95
36) 4-Chloro-3-methylphenol	8.757	107	361383	40.717	ng	99
37) 2-Methylnaphthalene	8.922	142	707136	35.270	ng	100
38) 1-Methylnaphthalene	9.022	142	733181	37.970	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	365752	39.218	ng	100
41) Hexachlorocyclopentadiene	9.081	237	161472	51.644	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	226704	42.843	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143351.D
 Acq On : 12 Aug 2025 13:52
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF081225

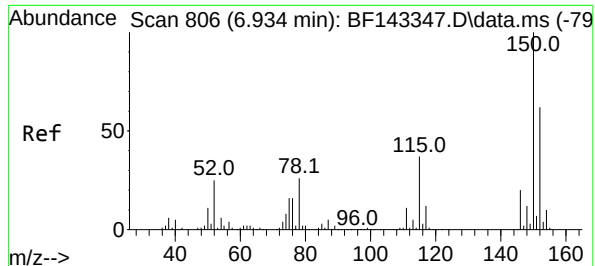
Quant Time: Aug 12 14:13:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	246815	41.305	ng	99
46) 1,1'-Biphenyl	9.387	154	935277	38.812	ng	100
47) 2-Chloronaphthalene	9.410	162	722952	38.093	ng	99
48) 2-Nitroaniline	9.504	65	228854	42.167	ng	100
49) Acenaphthylene	9.828	152	1164992	42.507	ng	100
50) Dimethylphthalate	9.681	163	799080	40.126	ng	99
51) 2,6-Dinitrotoluene	9.745	165	168880	45.012	ng	94
52) Acenaphthene	10.004	154	690443	37.893	ng	99
53) 3-Nitroaniline	9.916	138	194097	47.593	ng	97
54) 2,4-Dinitrophenol	10.022	184	56042	45.910	ng	98
55) Dibenzofuran	10.175	168	1013581	38.652	ng	99
56) 4-Nitrophenol	10.075	139	124501	41.060	ng	97
57) 2,4-Dinitrotoluene	10.145	165	215795	43.458	ng	98
58) Fluorene	10.516	166	761581	38.022	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	201768	50.091	ng	98
60) Diethylphthalate	10.381	149	719164	40.317	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	368971	38.123	ng	99
62) 4-Nitroaniline	10.522	138	174863	44.317	ng	99
63) Azobenzene	10.663	77	809295	39.721	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	87717	43.535	ng	97
66) n-Nitrosodiphenylamine	10.622	169	659263	39.468	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	228971	39.466	ng	99
68) Hexachlorobenzene	11.069	284	240521	38.460	ng	99
69) Atrazine	11.145	200	178347	40.936	ng	99
70) Pentachlorophenol	11.263	266	108593	38.771	ng	96
71) Phenanthrene	11.475	178	1060892	38.330	ng	100
72) Anthracene	11.528	178	1090047	38.834	ng	99
73) Carbazole	11.681	167	929366	38.877	ng	99
74) Di-n-butylphthalate	12.010	149	871054	43.060	ng	100
75) Fluoranthene	12.663	202	910203	37.543	ng	99
77) Benzidine	12.780	184	336170	43.872	ng	99
78) Pyrene	12.892	202	924712	39.329	ng	100
80) Butylbenzylphthalate	13.504	149	188120	41.012	ng	99
81) Benzo(a)anthracene	14.080	228	693960	38.956	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	222482	46.252	ng	99
83) Chrysene	14.116	228	639568	38.503	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	285665	42.315	ng	100
85) Di-n-octyl phthalate	14.674	149	563193	42.219	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	934056	40.136	ng	100
88) Benzo(b)fluoranthene	15.139	252	725882	40.856	ng	99
89) Benzo(k)fluoranthene	15.169	252	639883	37.064	ng	100
90) Benzo(a)pyrene	15.516	252	686526	41.027	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	757376	40.736	ng	99
92) Benzo(g,h,i)perylene	17.557	276	767923	41.001	ng	99

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

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

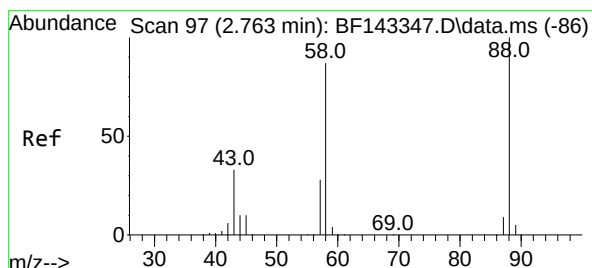
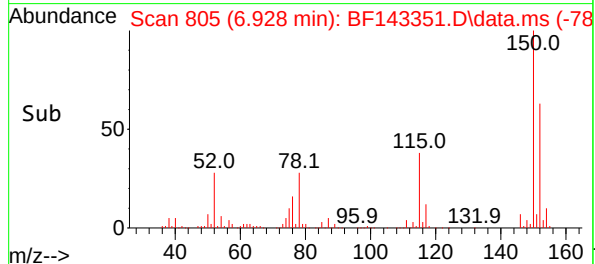
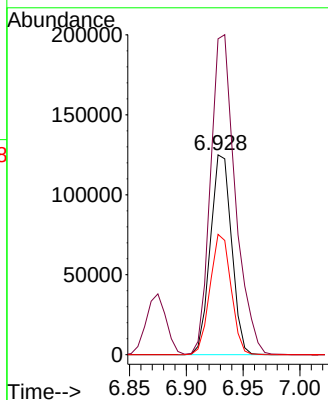
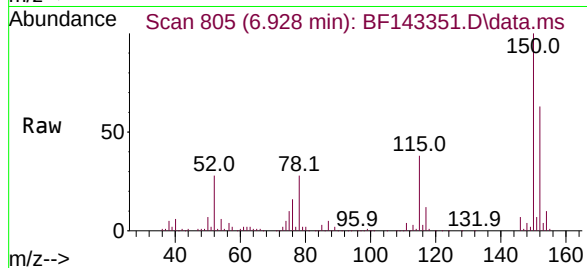
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- 2
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- 9
- 10
- 11
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- 13
- 14
- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

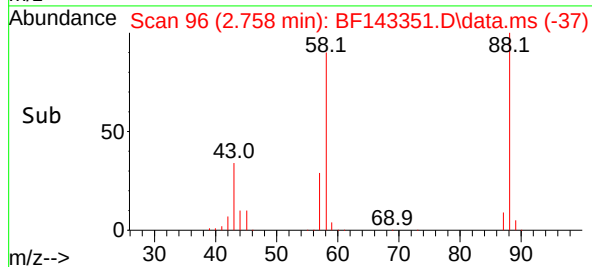
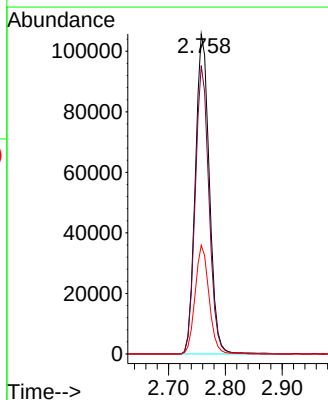
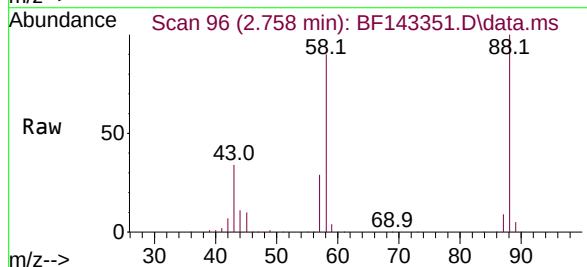
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

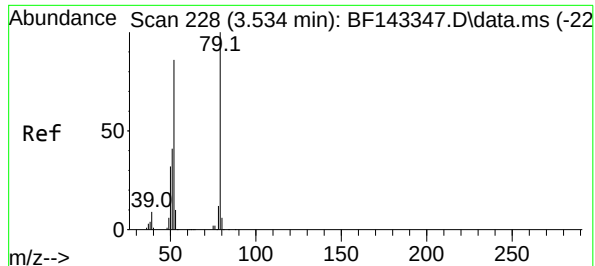
Tgt Ion:152 Resp: 162839
Ion Ratio Lower Upper
152 100
150 158.0 129.8 194.8
115 60.2 47.8 71.8



#2
1,4-Dioxane
Concen: 37.259 ng
RT: 2.758 min Scan# 96
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 88 Resp: 181552
Ion Ratio Lower Upper
88 100
58 88.6 71.0 106.6
43 33.7 27.0 40.6





#3

Pyridine

Concen: 38.741 ng

RT: 3.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

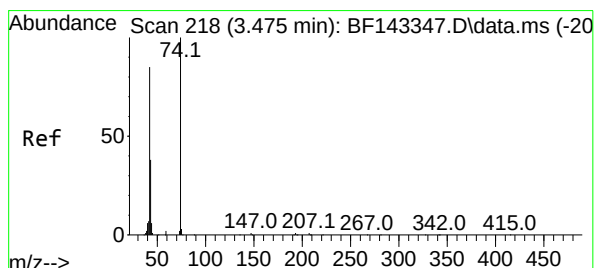
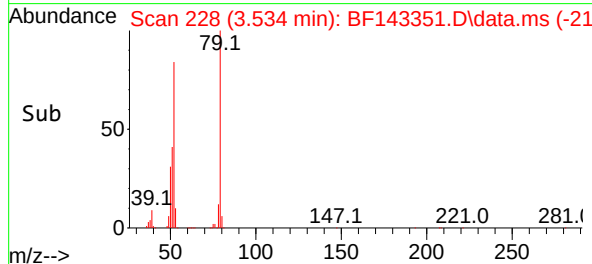
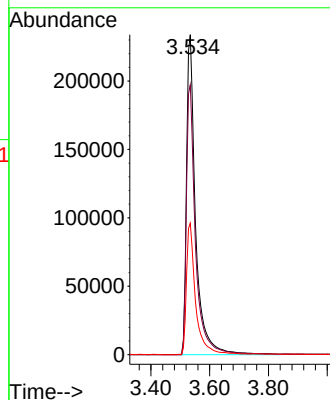
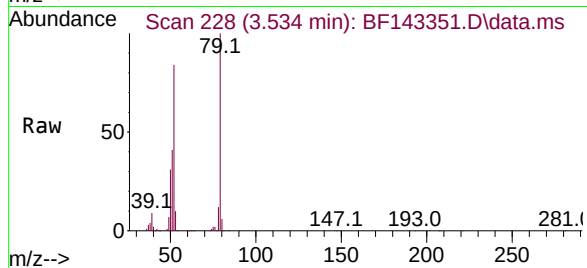
Tgt Ion: 79 Resp: 503048

Ion Ratio Lower Upper

79 100

52 84.3 68.7 103.1

51 41.1 33.4 50.0



#4

n-Nitrosodimethylamine

Concen: 41.403 ng

RT: 3.469 min Scan# 217

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

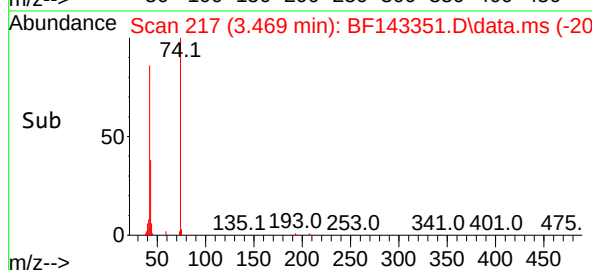
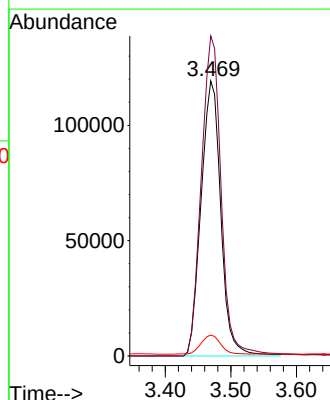
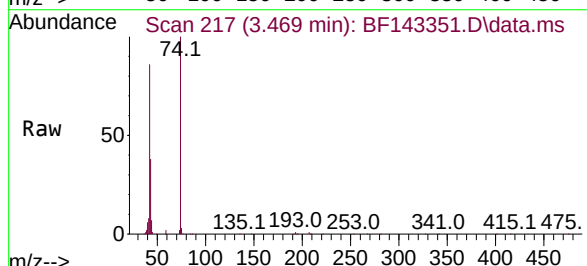
Tgt Ion: 42 Resp: 250430

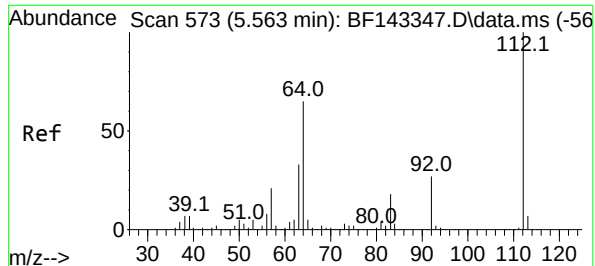
Ion Ratio Lower Upper

42 100

74 116.3 94.1 141.1

44 7.6 6.5 9.7





#5

2-Fluorophenol

Concen: 77.155 ng

RT: 5.557 min Scan# 5

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

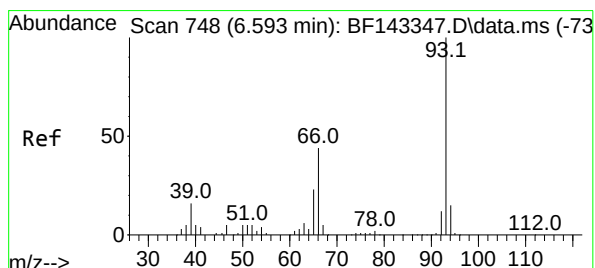
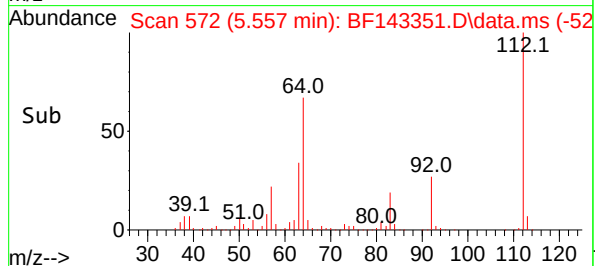
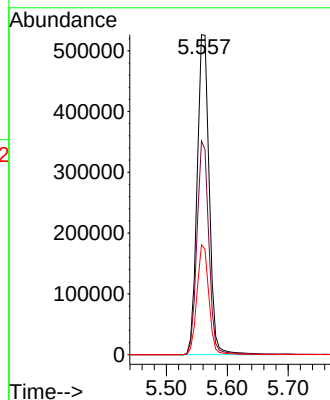
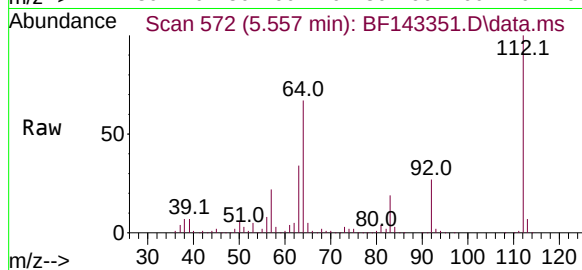
Tgt Ion:112 Resp: 726544

Ion Ratio Lower Upper

112 100

64 66.8 52.1 78.1

63 34.4 26.6 39.8



#6

Aniline

Concen: 40.597 ng

RT: 6.593 min Scan# 748

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

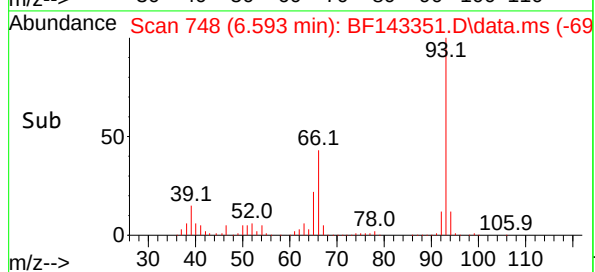
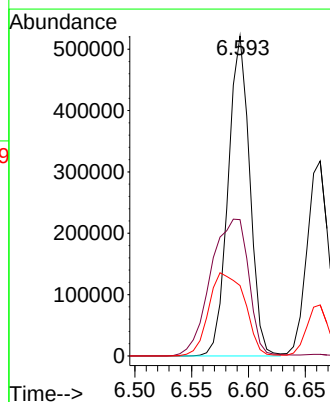
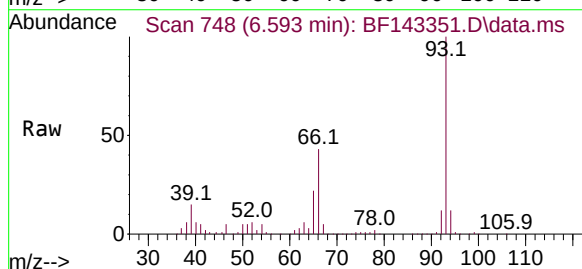
Tgt Ion: 93 Resp: 691138

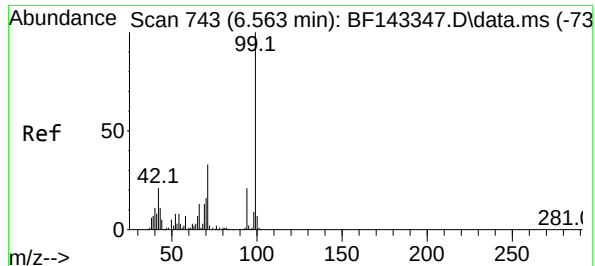
Ion Ratio Lower Upper

93 100

66 42.6 35.3 52.9

65 22.0 18.2 27.4

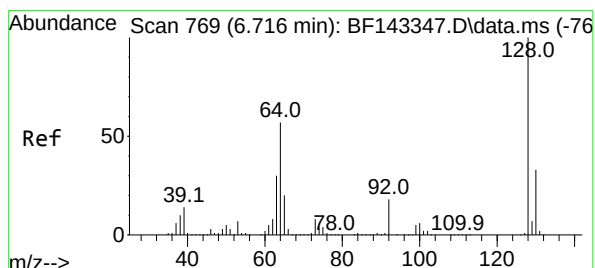
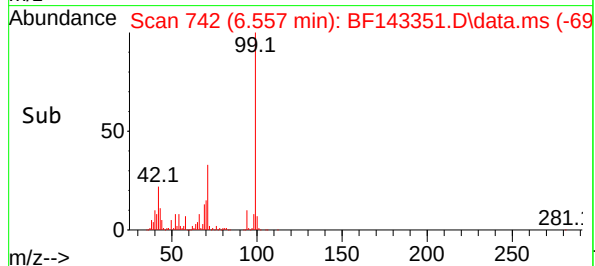
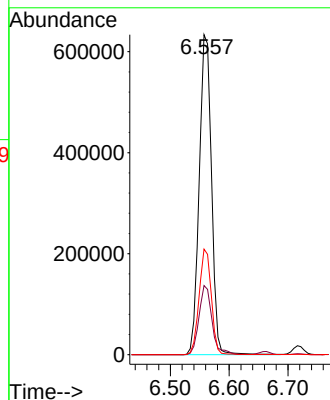
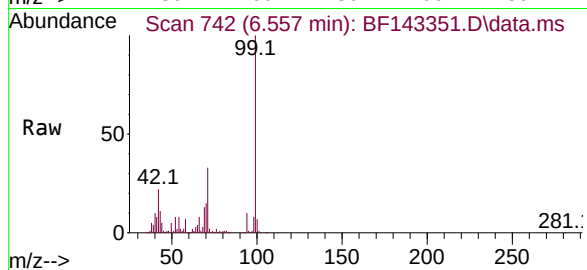




#7
Phenol-d6
Concen: 75.986 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

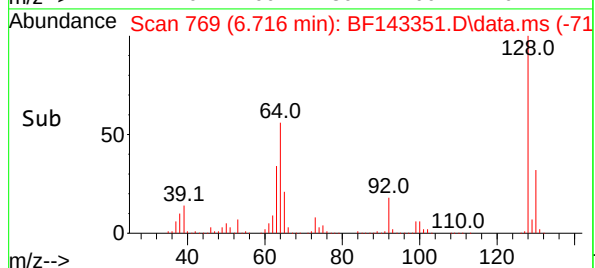
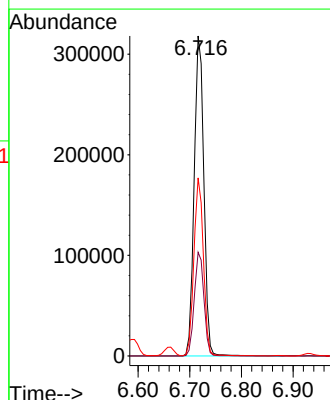
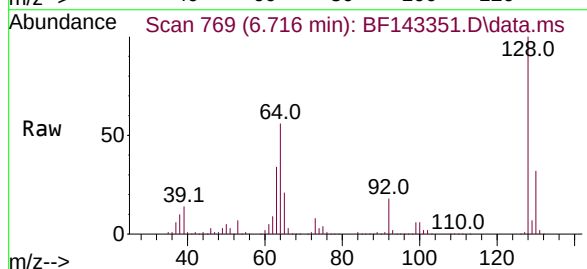
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

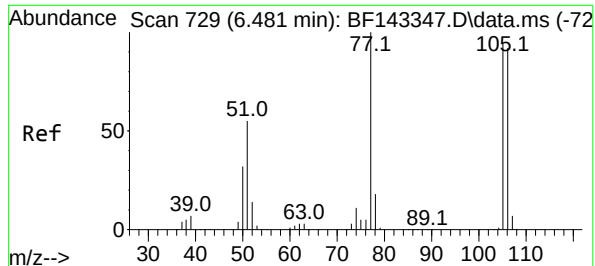
Tgt Ion: 99 Resp: 917587
Ion Ratio Lower Upper
99 100
42 21.6 16.6 25.0
71 33.0 26.2 39.2



#8
2-Chlorophenol
Concen: 41.033 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 128 Resp: 412875
Ion Ratio Lower Upper
128 100
130 32.4 12.6 52.6
64 55.6 36.7 76.7





#9

Benzaldehyde

Concen: 40.346 ng

RT: 6.481 min Scan# 729

Delta R.T. -0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

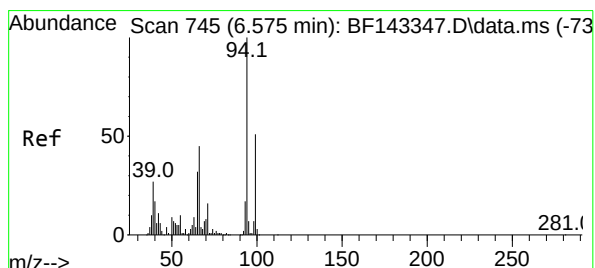
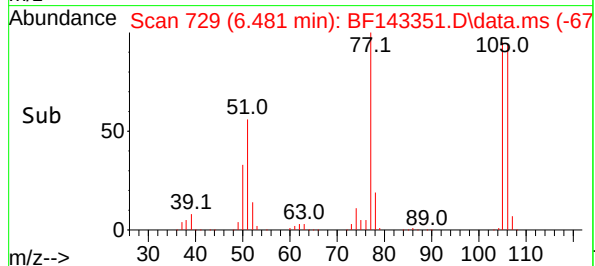
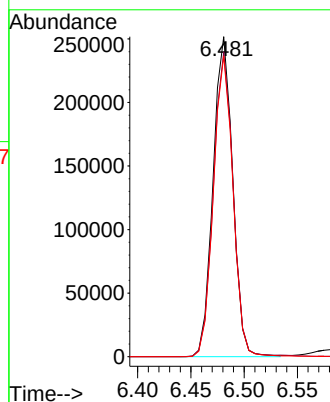
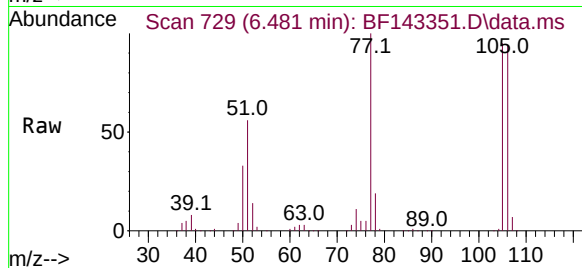
Tgt Ion: 77 Resp: 322014

Ion Ratio Lower Upper

77 100

105 95.2 74.2 114.2

106 94.0 72.2 112.2



#10

Phenol

Concen: 40.258 ng

RT: 6.575 min Scan# 745

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

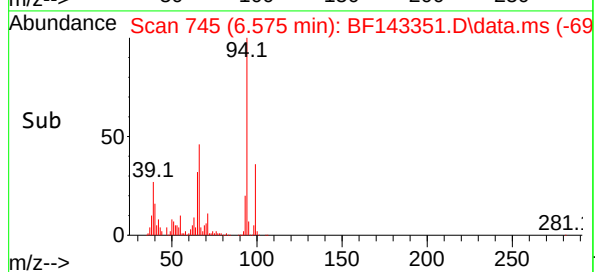
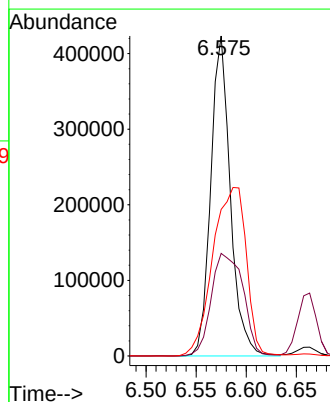
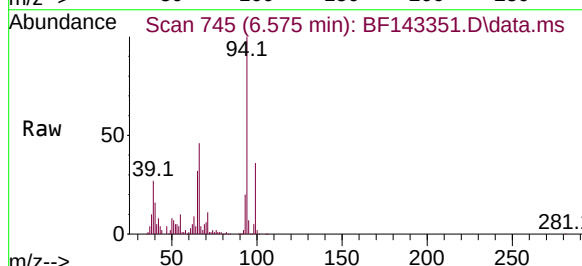
Tgt Ion: 94 Resp: 575912

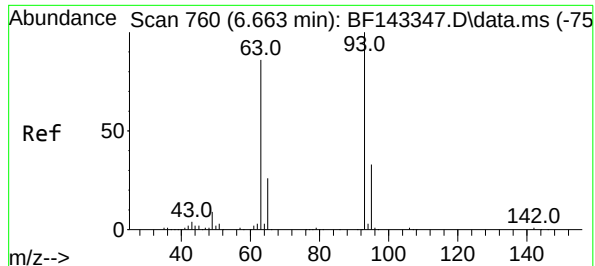
Ion Ratio Lower Upper

94 100

65 32.1 12.0 52.0

66 45.8 25.6 65.6





#11

bis(2-Chloroethyl)ether

Concen: 39.024 ng

RT: 6.663 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

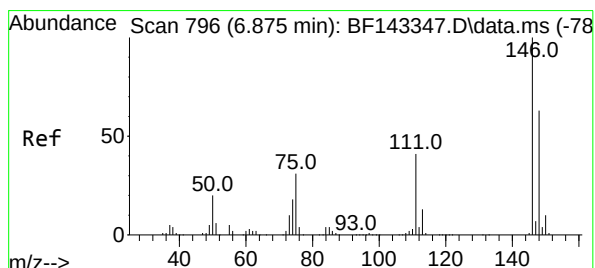
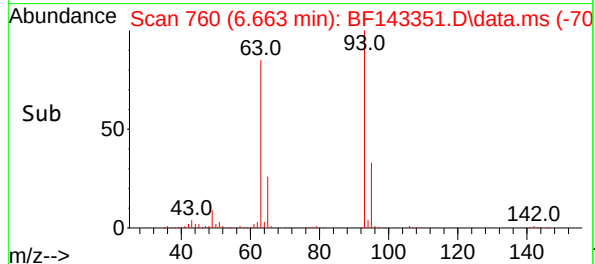
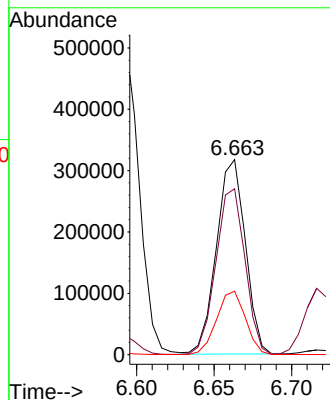
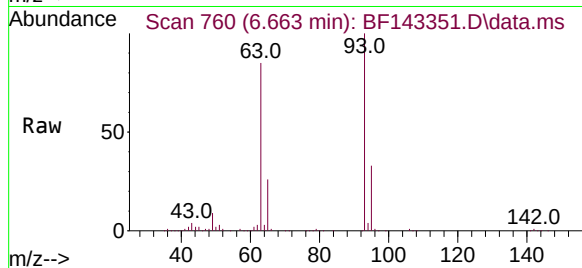
Tgt Ion: 93 Resp: 411435

Ion Ratio Lower Upper

93 100

63 85.1 65.7 105.7

95 32.6 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 39.813 ng

RT: 6.875 min Scan# 796

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

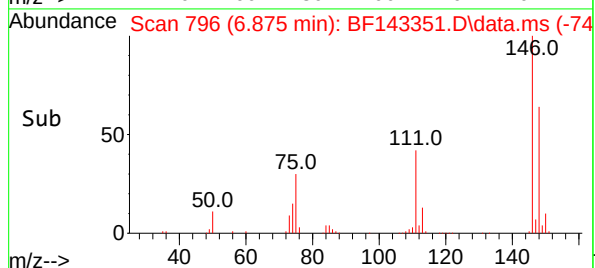
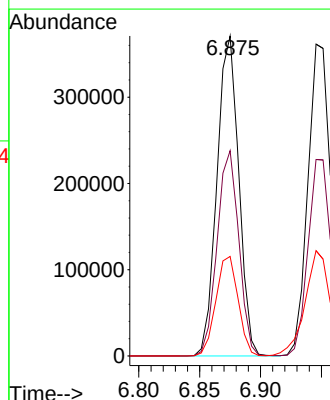
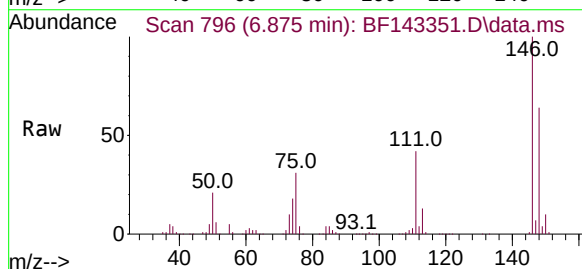
Tgt Ion: 146 Resp: 462064

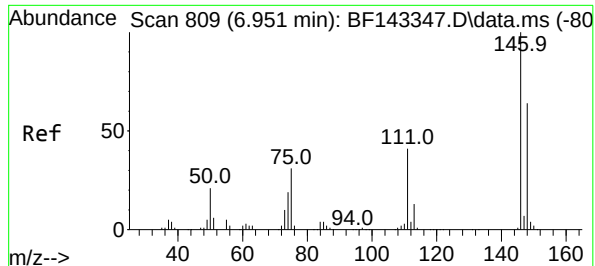
Ion Ratio Lower Upper

146 100

148 64.1 50.5 75.7

75 31.1 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 40.160 ng

RT: 6.946 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

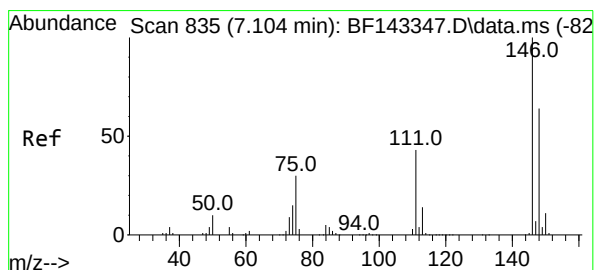
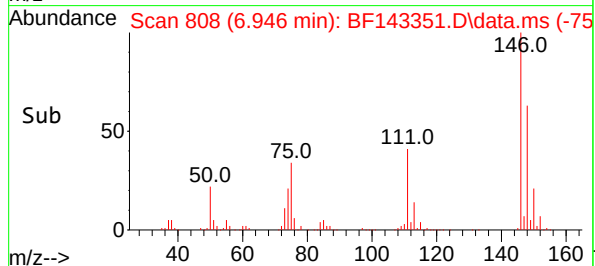
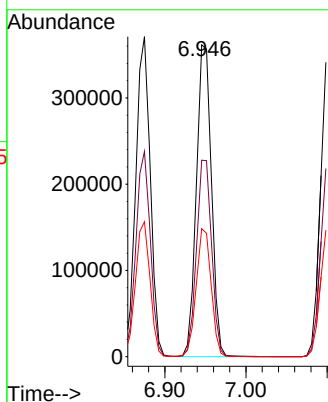
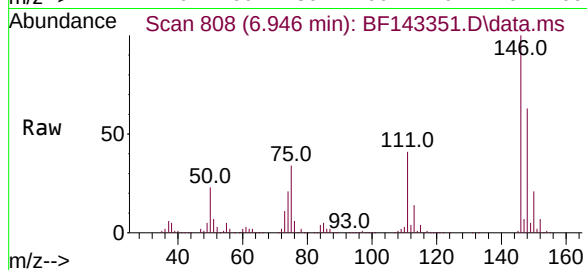
Tgt Ion:146 Resp: 467795

Ion Ratio Lower Upper

146 100

148 63.0 51.4 77.0

111 41.0 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 40.389 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

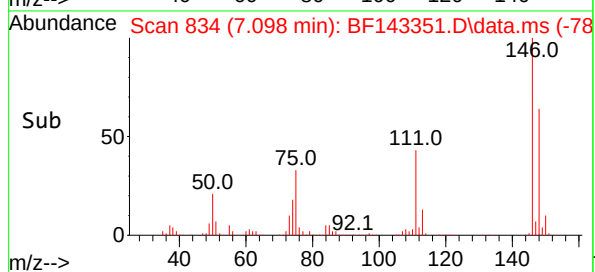
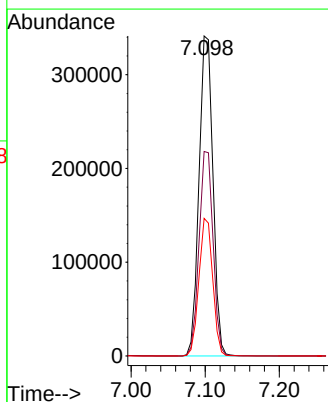
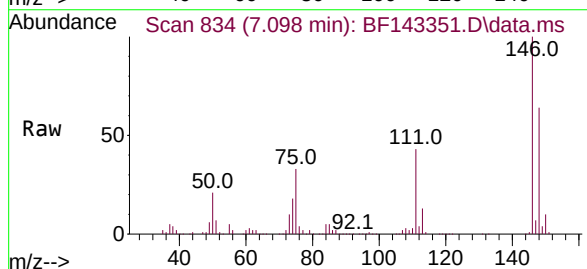
Tgt Ion:146 Resp: 446591

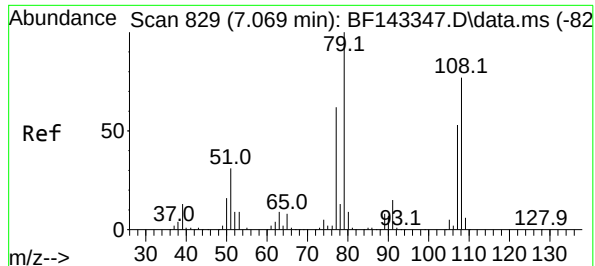
Ion Ratio Lower Upper

146 100

148 63.9 51.4 77.2

111 43.0 34.1 51.1

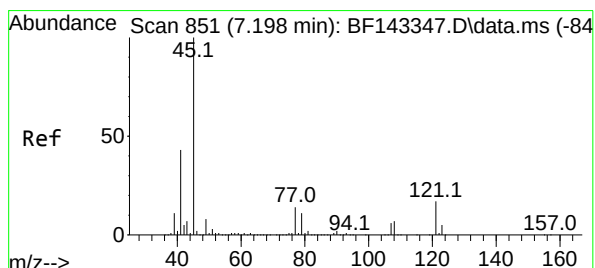
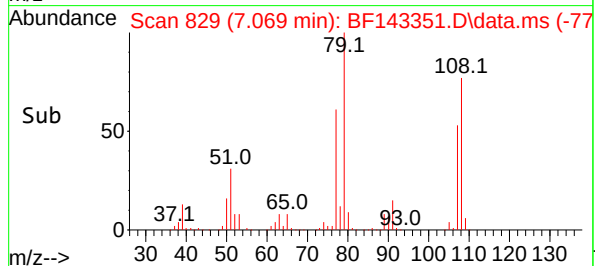
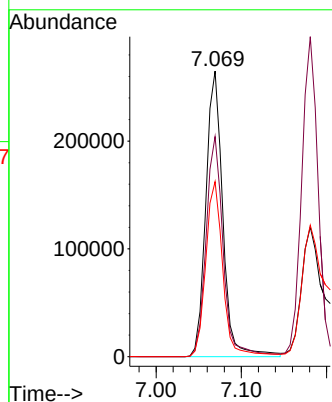
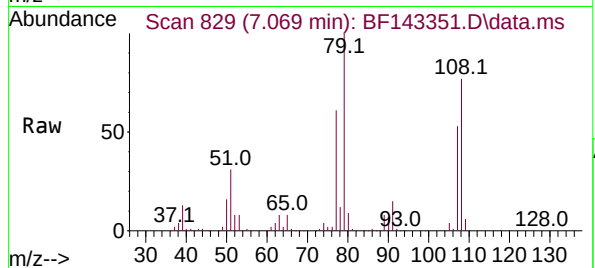




#15
Benzyl Alcohol
Concen: 42.327 ng
RT: 7.069 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

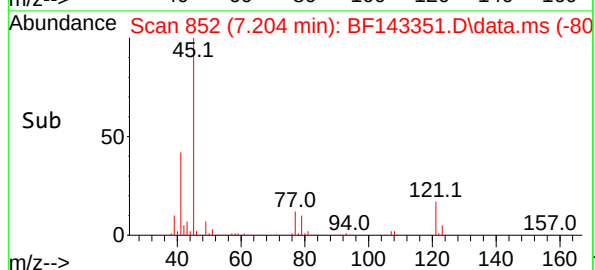
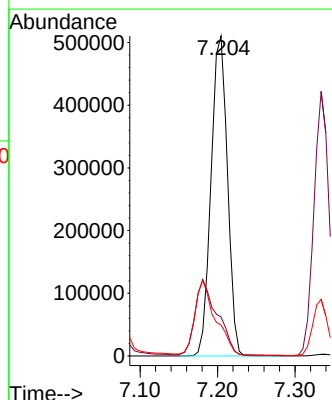
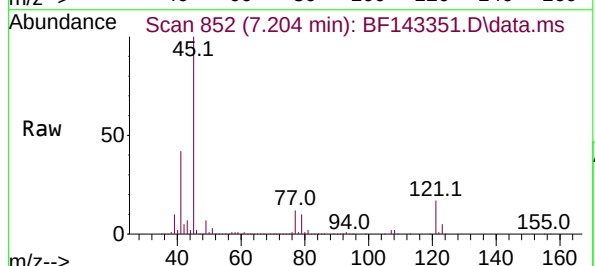
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

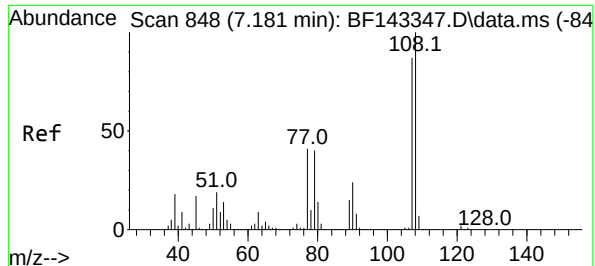
Tgt Ion: 79 Resp: 366386
Ion Ratio Lower Upper
79 100
108 77.1 61.5 92.3
77 61.3 49.8 74.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 39.787 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 45 Resp: 748899
Ion Ratio Lower Upper
45 100
77 12.1 0.0 34.0
79 9.7 0.0 31.1

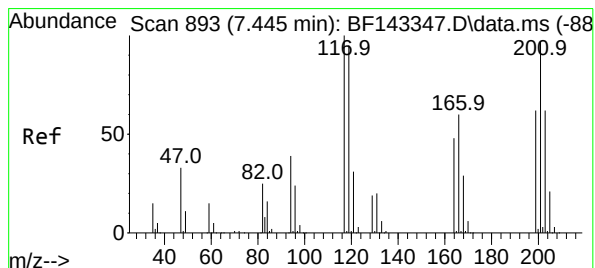
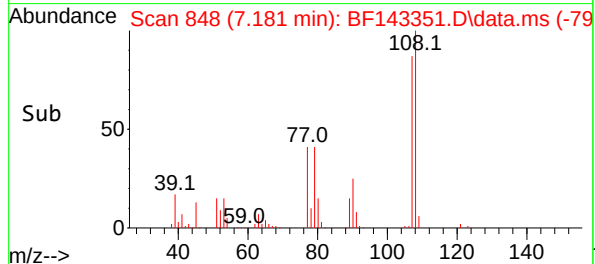
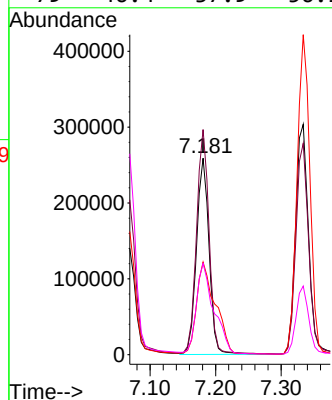
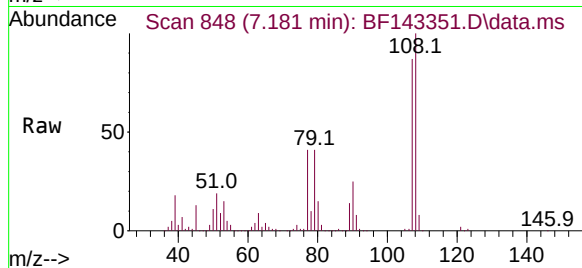




#17
2-Methylphenol
Concen: 40.922 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

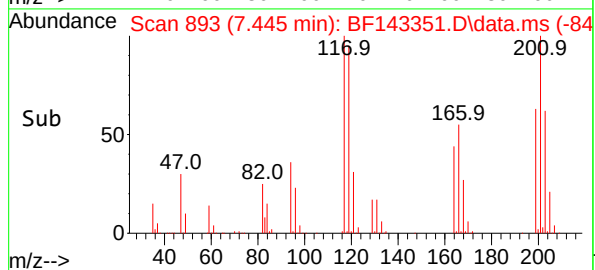
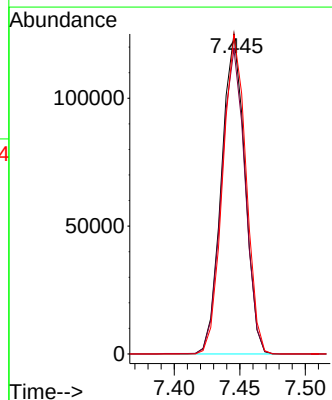
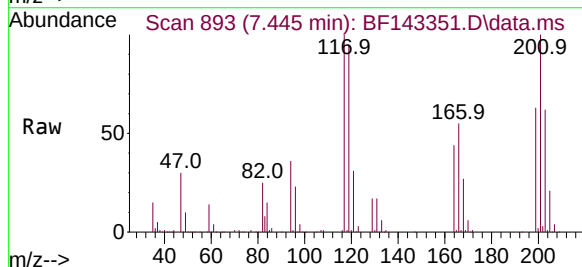
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

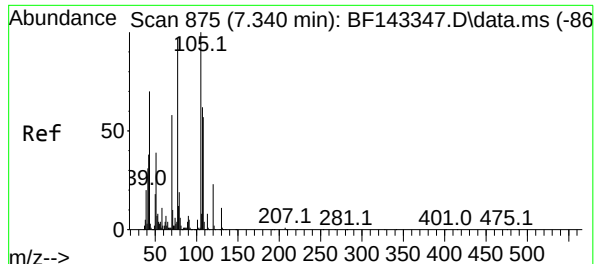
Tgt Ion:	107	Resp:	347573
Ion	Ratio	Lower	Upper
107	100		
108	114.6	92.0	138.0
77	47.1	38.2	57.2
79	46.4	37.9	56.9



#18
Hexachloroethane
Concen: 42.342 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:	117	Resp:	154629
Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.8	113.8
201	99.7	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 39.940 ng

RT: 7.340 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

Tgt Ion: 70 Resp: 298013

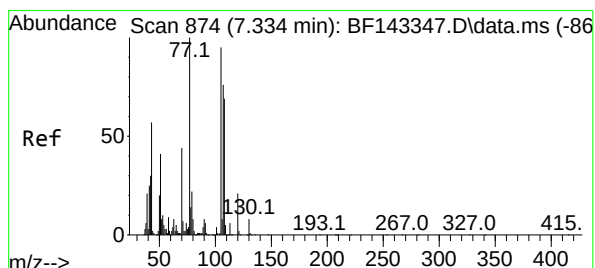
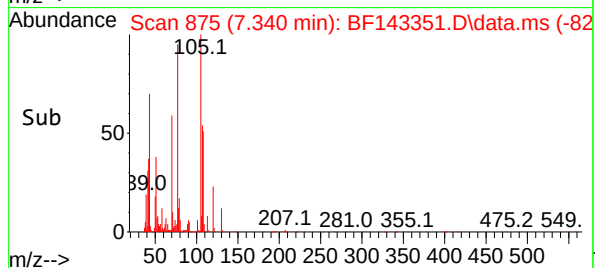
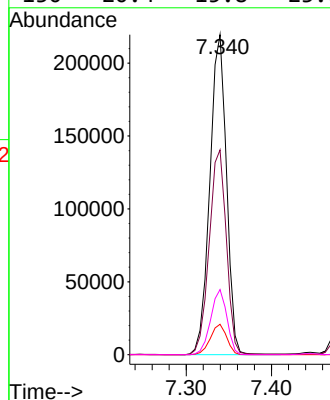
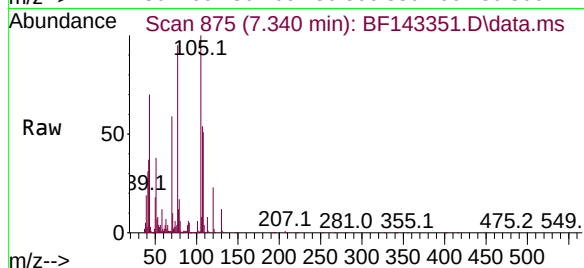
Ion Ratio Lower Upper

70 100

42 64.0 51.6 77.4

101 9.5 7.5 11.3

130 20.4 15.8 23.6



#20

3+4-Methylphenols

Concen: 41.105 ng

RT: 7.334 min Scan# 874

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Tgt Ion: 107 Resp: 422225

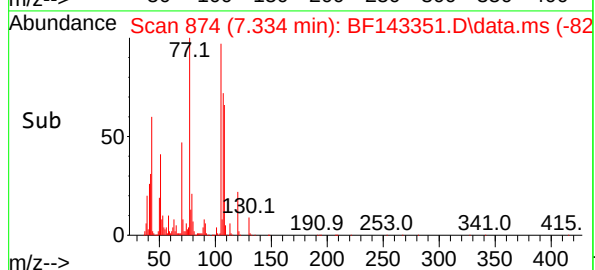
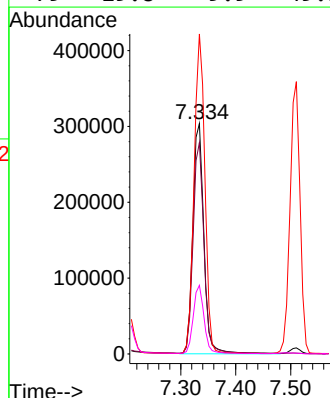
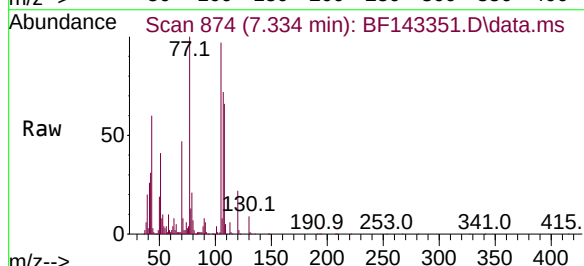
Ion Ratio Lower Upper

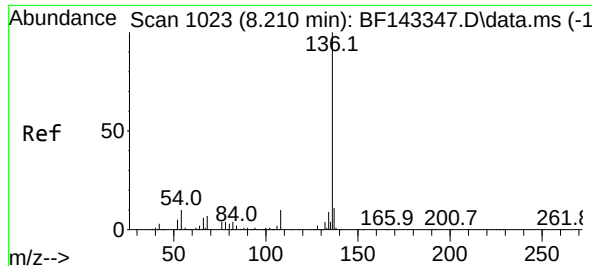
107 100

108 91.7 70.6 110.6

77 138.9 112.0 152.0

79 29.8 9.9 49.9

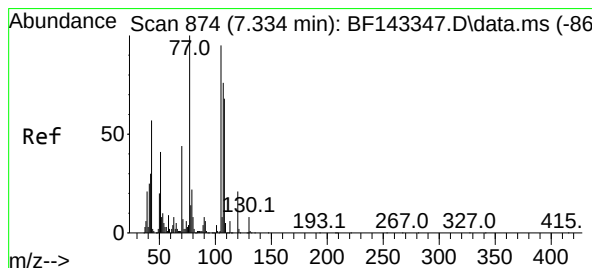
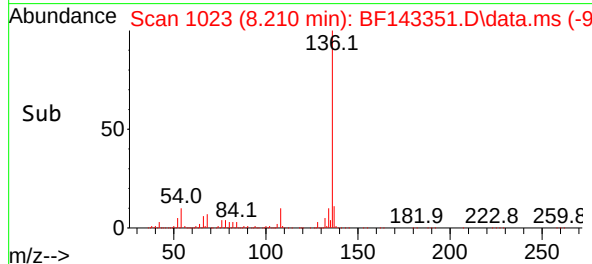
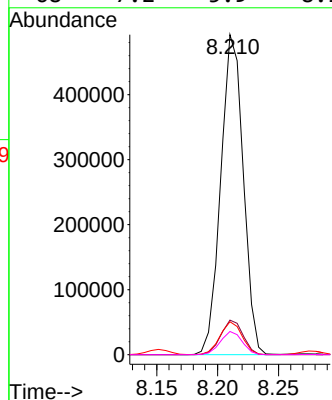
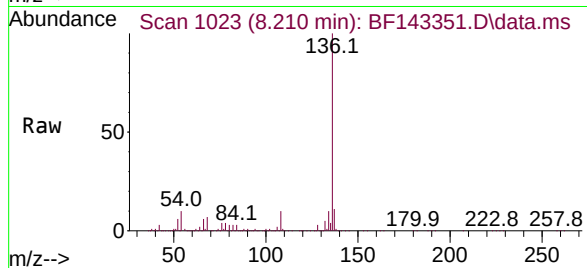




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

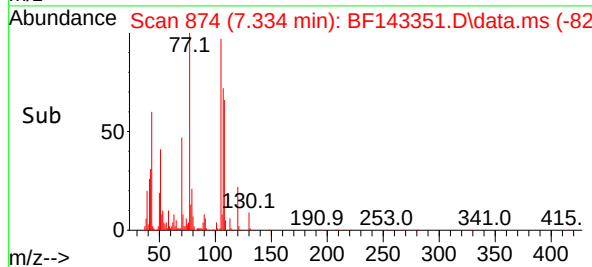
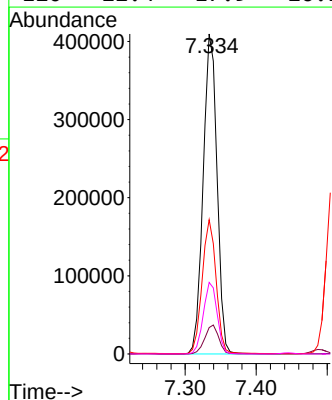
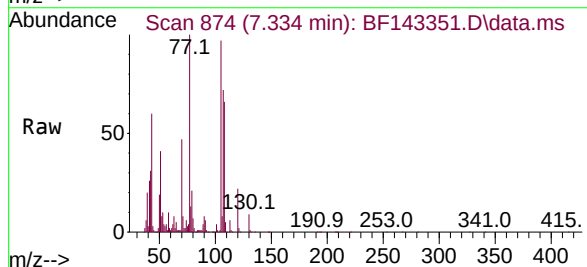
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

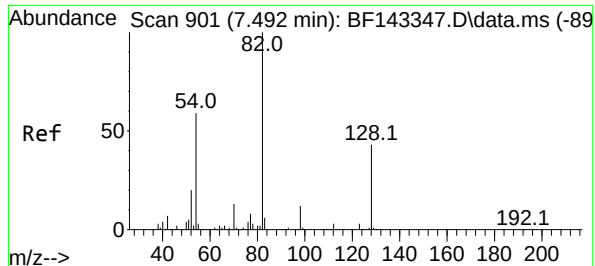
Tgt Ion:	136	Resp:	633786
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.3	8.4	12.6
68	7.2	5.9	8.9



#22
Acetophenone
Concen: 39.985 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:	105	Resp:	558359
Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.2	9.4
51	41.9	34.8	52.2
120	22.4	17.9	26.9





#23

Nitrobenzene-d5

Concen: 83.164 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

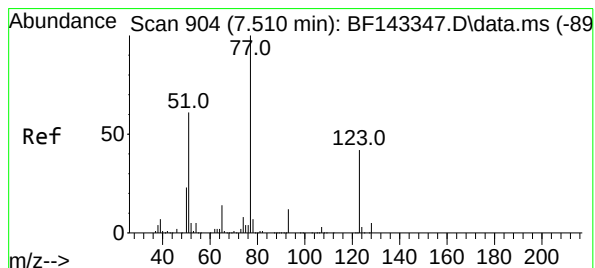
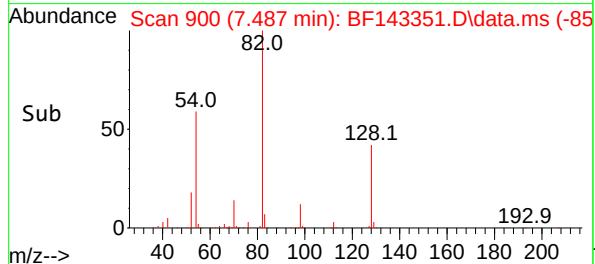
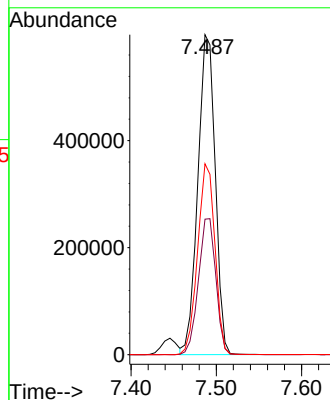
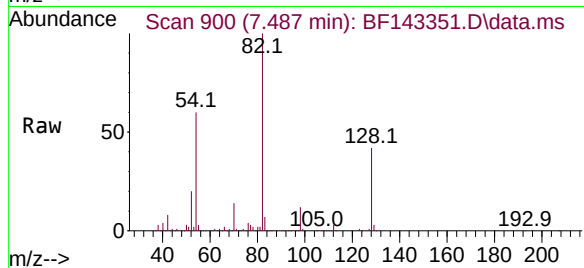
Tgt Ion: 82 Resp: 846400

Ion Ratio Lower Upper

82 100

128 42.3 33.5 50.3

54 59.7 46.7 70.1



#24

Nitrobenzene

Concen: 40.919 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

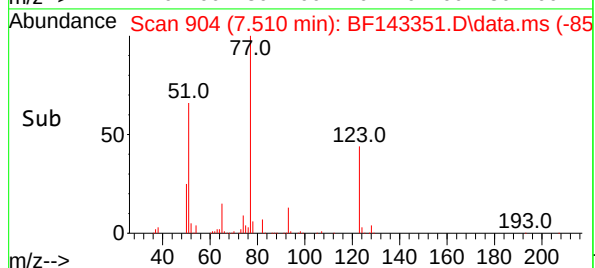
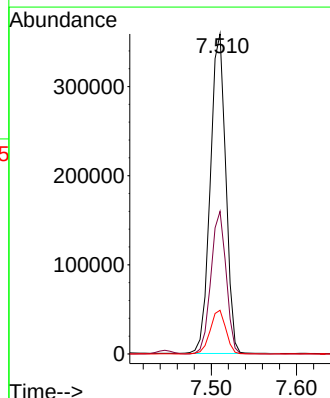
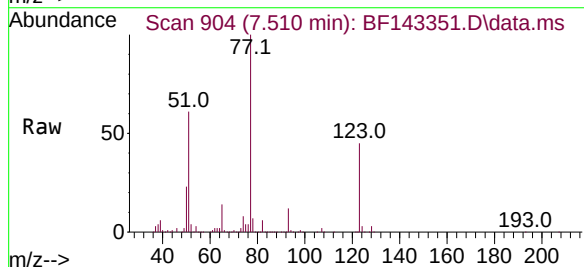
Tgt Ion: 77 Resp: 452284

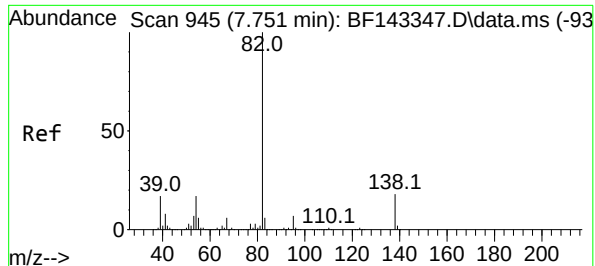
Ion Ratio Lower Upper

77 100

123 44.6 34.8 52.2

65 13.7 11.0 16.6





#25

Isophorone

Concen: 39.728 ng

RT: 7.745 min Scan# 944

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

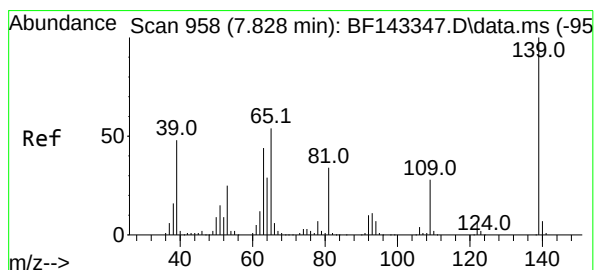
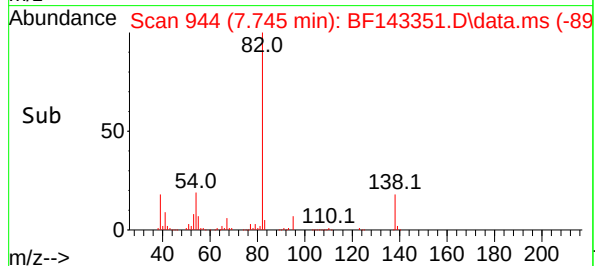
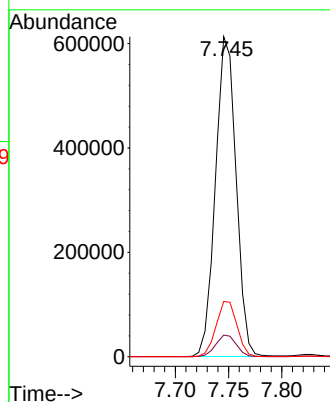
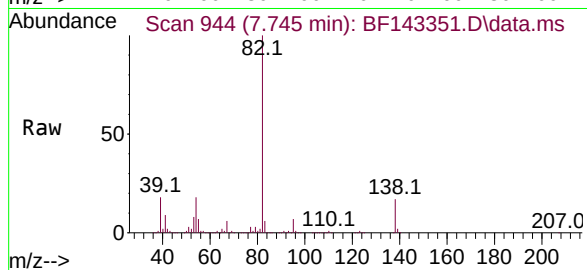
Tgt Ion: 82 Resp: 825406

Ion Ratio Lower Upper

82 100

95 6.7 5.5 8.3

138 17.2 14.6 21.8



#26

2-Nitrophenol

Concen: 43.318 ng

RT: 7.828 min Scan# 958

Delta R.T. -0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

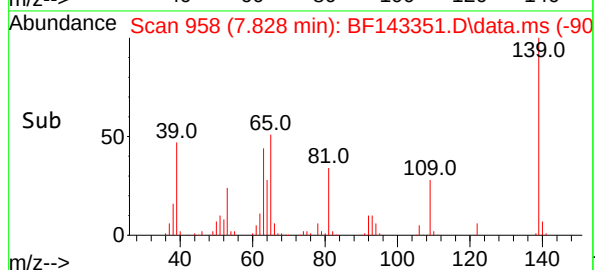
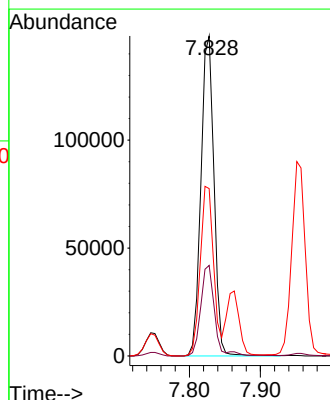
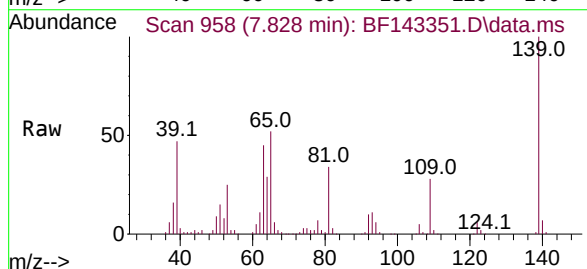
Tgt Ion:139 Resp: 190171

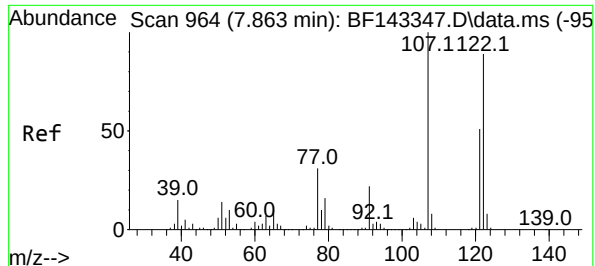
Ion Ratio Lower Upper

139 100

109 28.3 22.4 33.6

65 52.3 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 44.394 ng

RT: 7.863 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

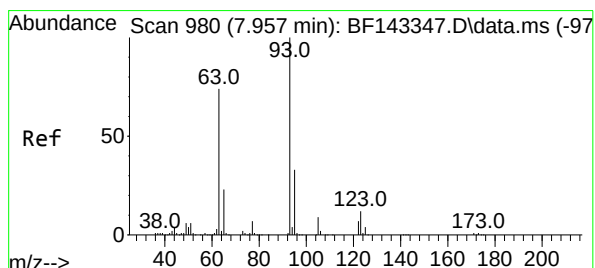
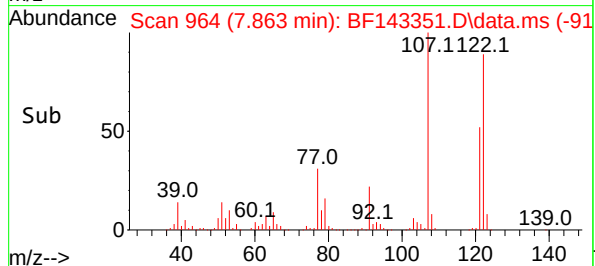
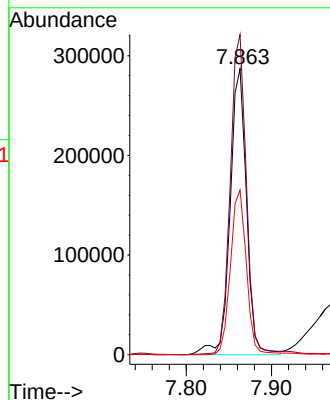
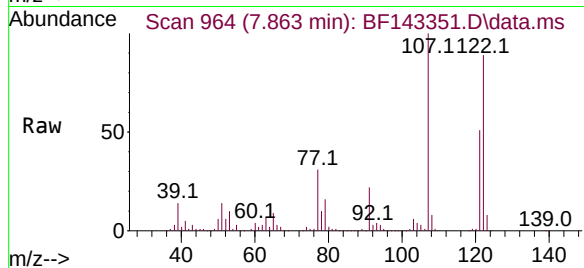
Tgt Ion:122 Resp: 384805

Ion Ratio Lower Upper

122 100

107 111.9 89.9 134.9

121 57.6 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.714 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

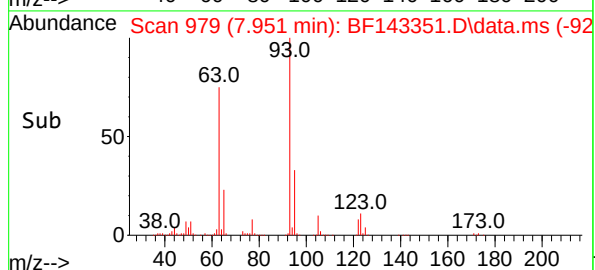
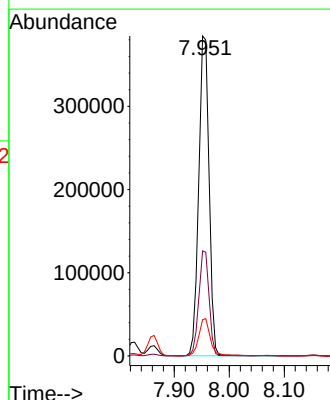
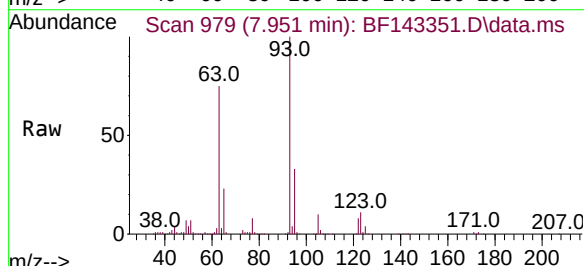
Tgt Ion: 93 Resp: 503776

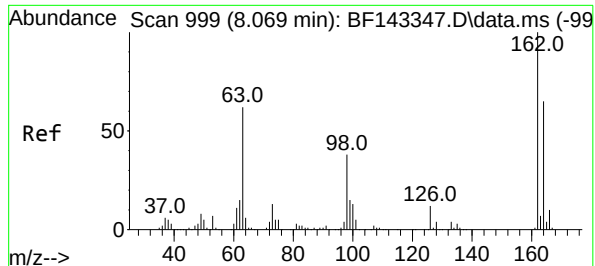
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 11.4 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 41.289 ng

RT: 8.069 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

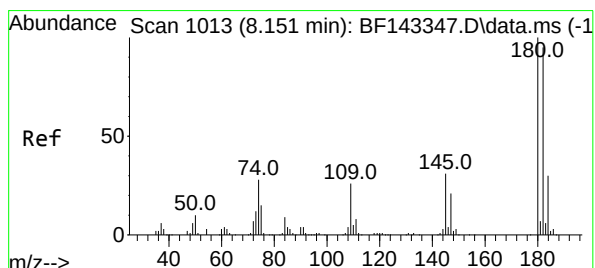
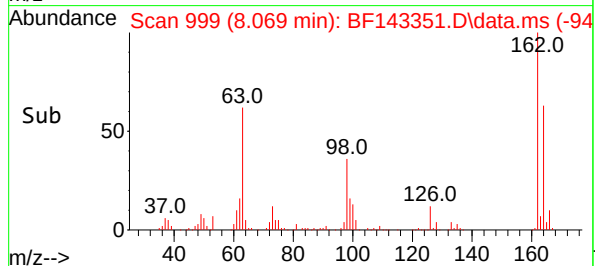
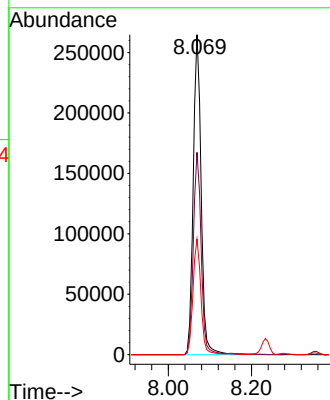
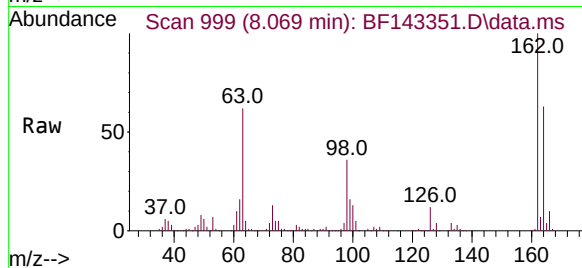
Tgt Ion:162 Resp: 349559

Ion Ratio Lower Upper

162 100

164 63.2 44.5 84.5

98 36.2 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 41.017 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

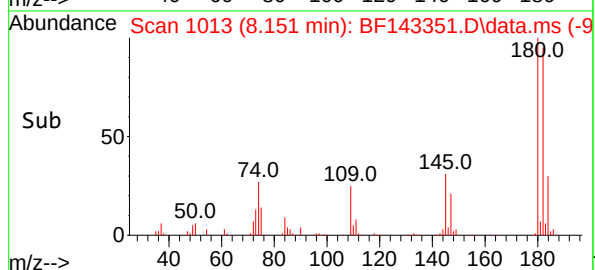
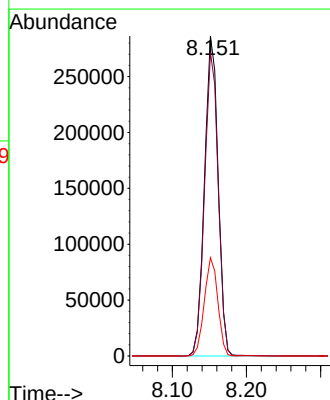
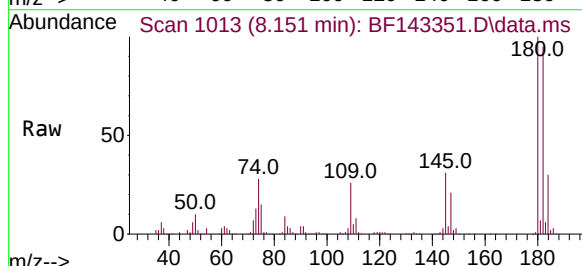
Tgt Ion:180 Resp: 366302

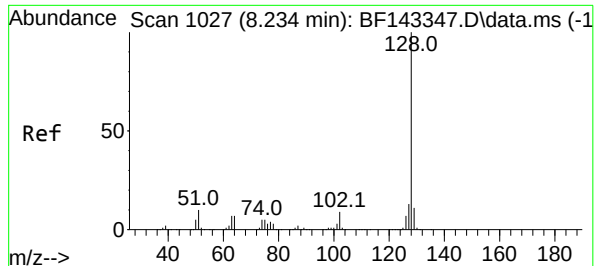
Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

145 30.7 24.9 37.3

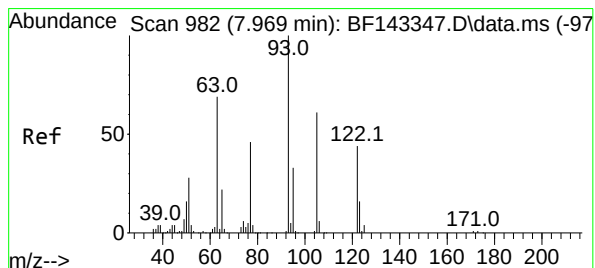
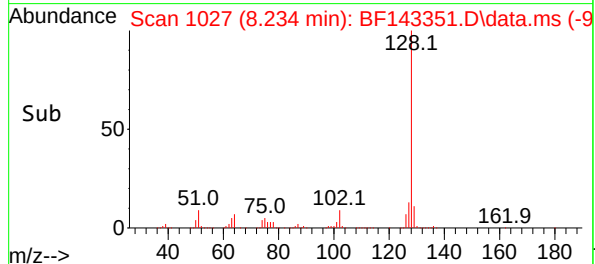
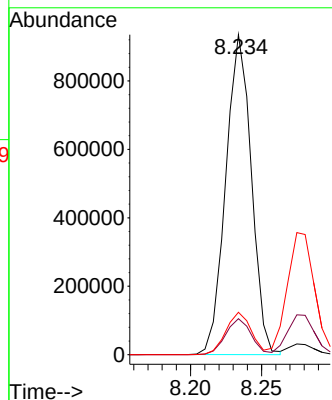
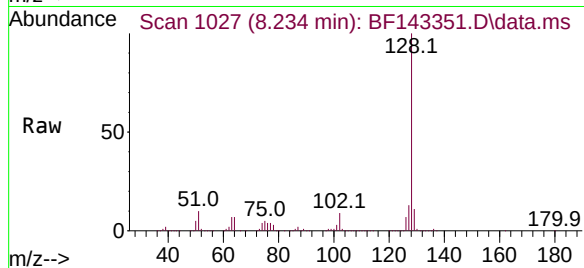




#31
Naphthalene
Concen: 38.372 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

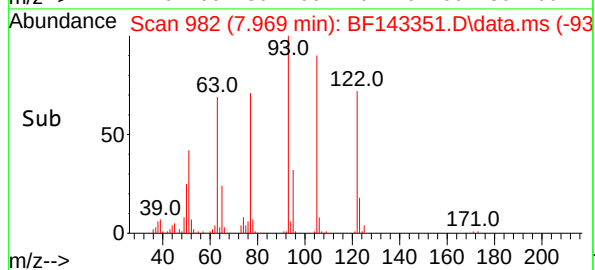
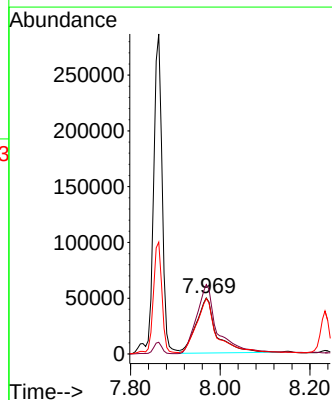
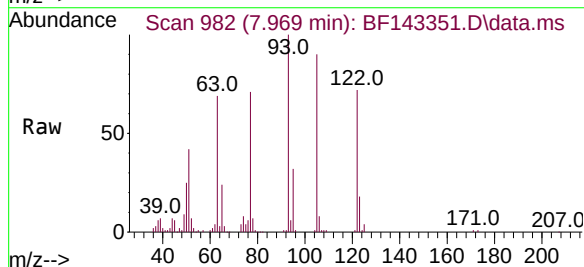
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

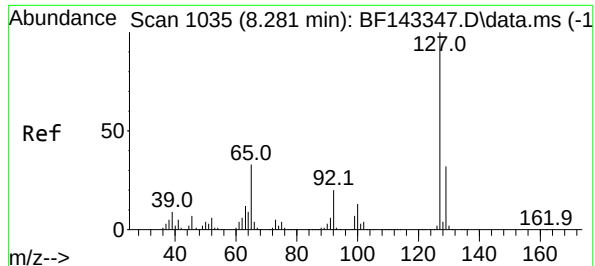
Tgt Ion:128 Resp: 1170219
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 43.285 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:122 Resp: 157226
Ion Ratio Lower Upper
122 100
105 124.0 106.4 146.4
77 98.7 79.2 119.2





#33

4-Chloroaniline

Concen: 44.618 ng

RT: 8.275 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

Tgt Ion:127 Resp: 490782

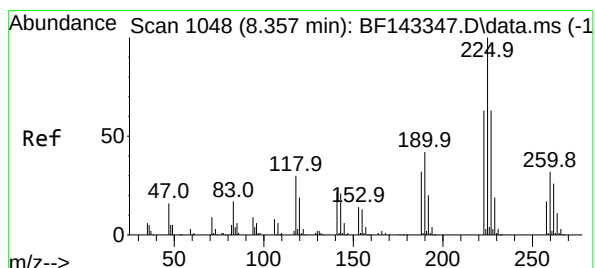
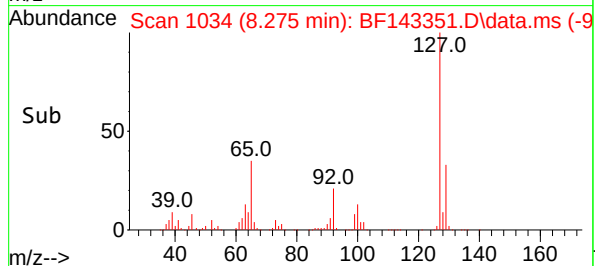
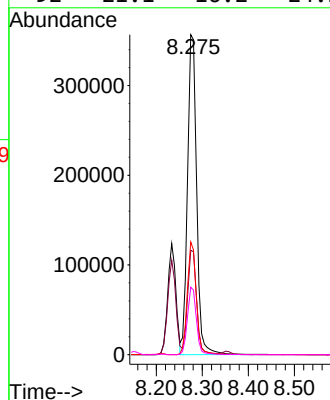
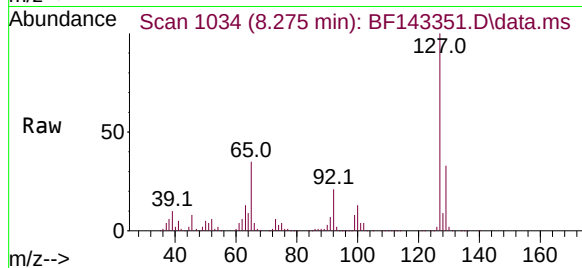
Ion Ratio Lower Upper

127 100

129 32.6 26.0 39.0

65 35.2 27.0 40.4

92 21.1 16.2 24.2



#34

Hexachlorobutadiene

Concen: 39.366 ng

RT: 8.351 min Scan# 1047

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

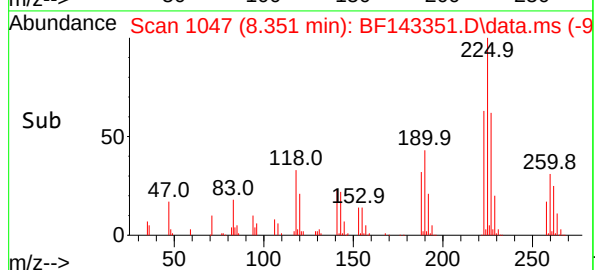
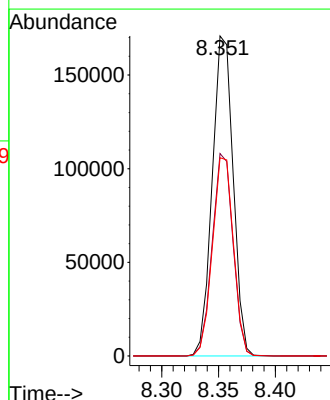
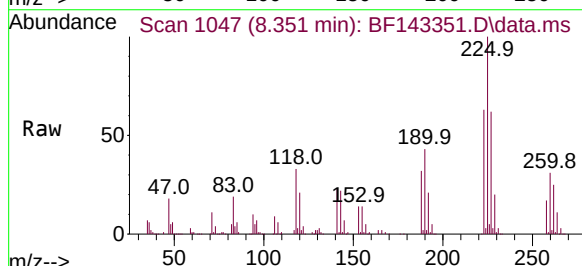
Tgt Ion:225 Resp: 218687

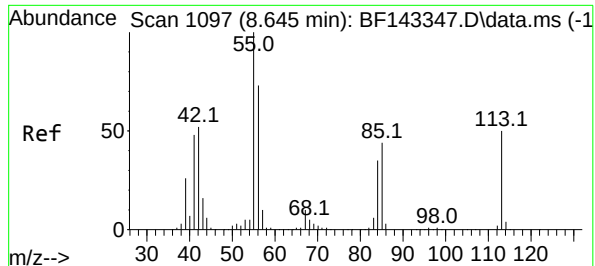
Ion Ratio Lower Upper

225 100

223 63.3 50.1 75.1

227 62.0 50.6 75.8





#35

Caprolactam

Concen: 41.892 ng

RT: 8.640 min Scan# 1097

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

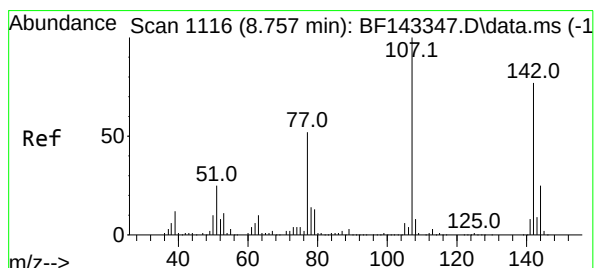
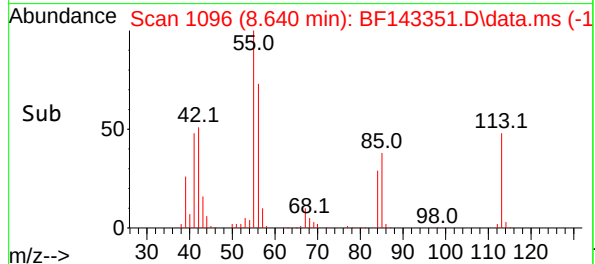
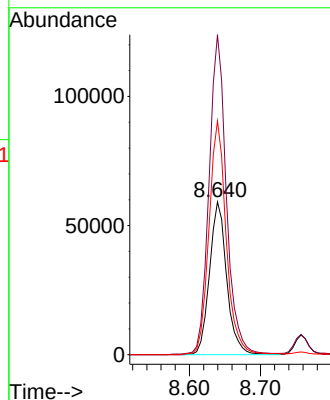
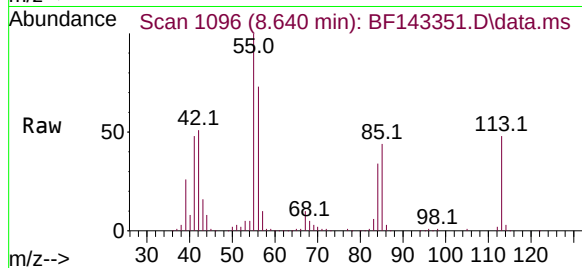
Tgt Ion:113 Resp: 99702

Ion Ratio Lower Upper

113 100

55 209.5 181.4 221.4

56 153.0 127.3 167.3



#36

4-Chloro-3-methylphenol

Concen: 40.717 ng

RT: 8.757 min Scan# 1116

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

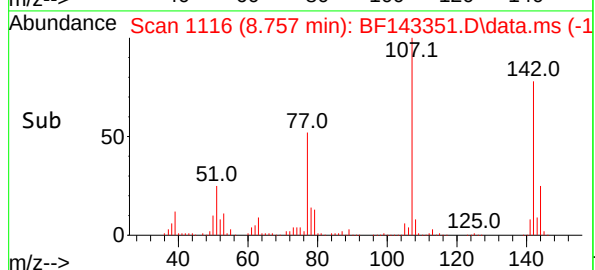
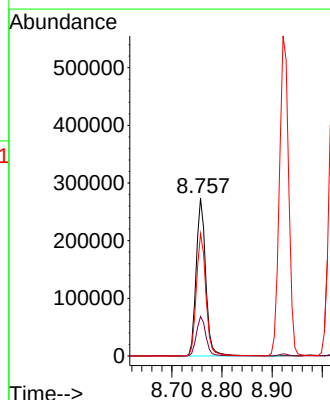
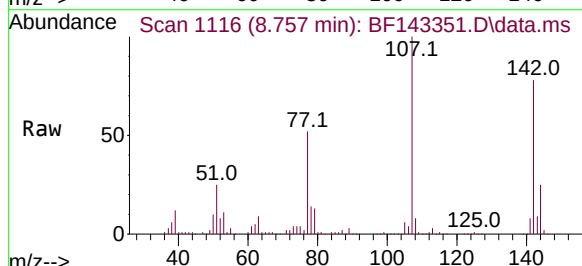
Tgt Ion:107 Resp: 361383

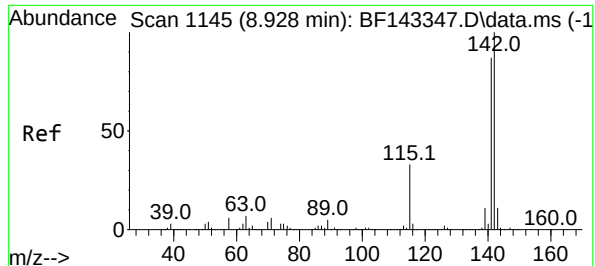
Ion Ratio Lower Upper

107 100

144 25.1 20.0 30.0

142 77.6 61.3 91.9





#37

2-Methylnaphthalene

Concen: 35.270 ng

RT: 8.922 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

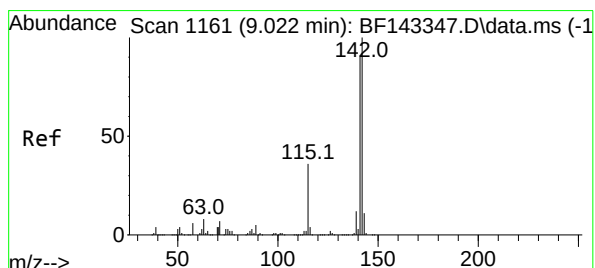
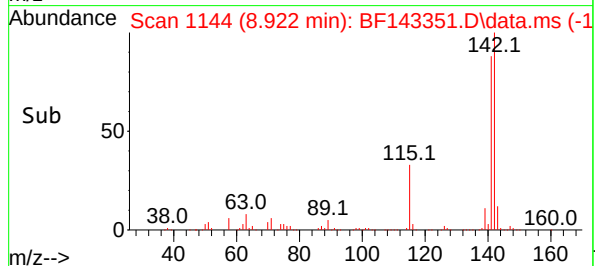
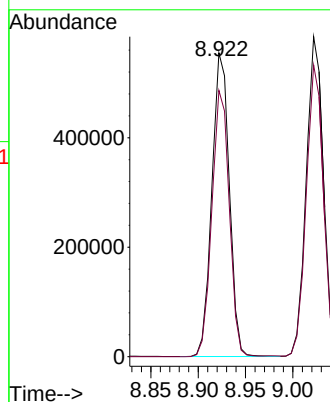
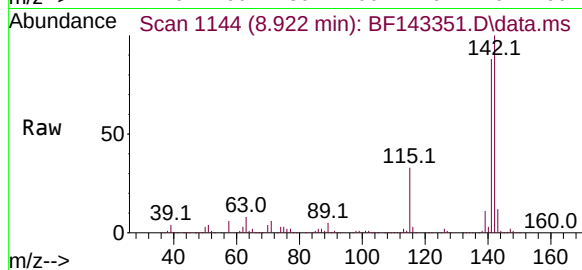
ICVBF081225

Tgt Ion:142 Resp: 707136

Ion Ratio Lower Upper

142 100

141 87.6 69.8 104.8



#38

1-Methylnaphthalene

Concen: 37.970 ng

RT: 9.022 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF143351.D

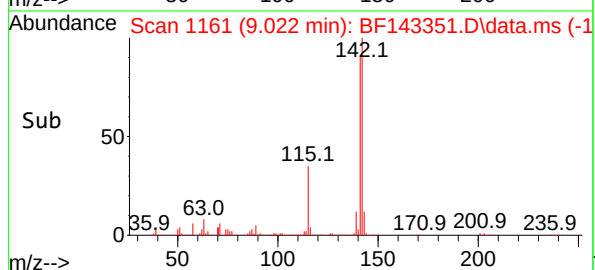
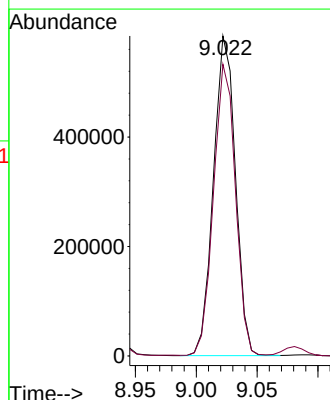
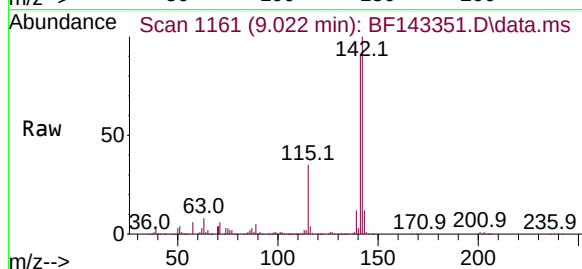
Acq: 12 Aug 2025 13:52

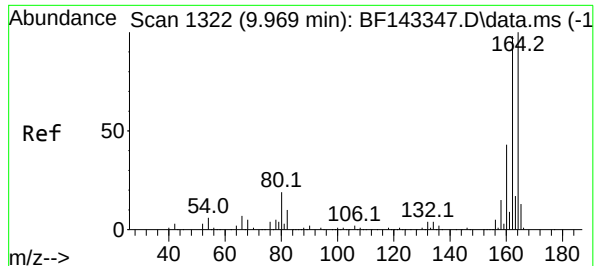
Tgt Ion:142 Resp: 733181

Ion Ratio Lower Upper

142 100

141 91.1 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

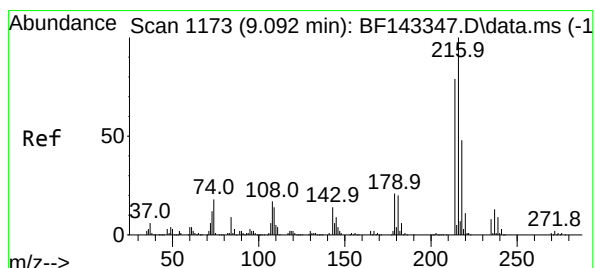
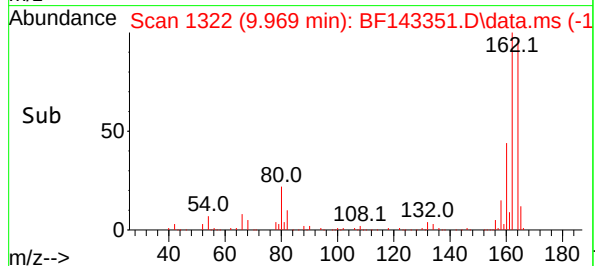
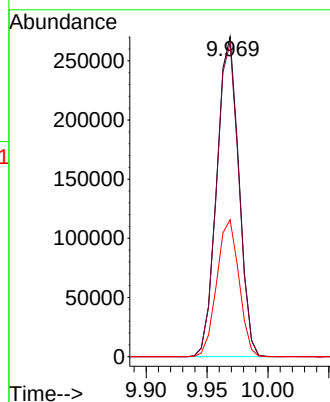
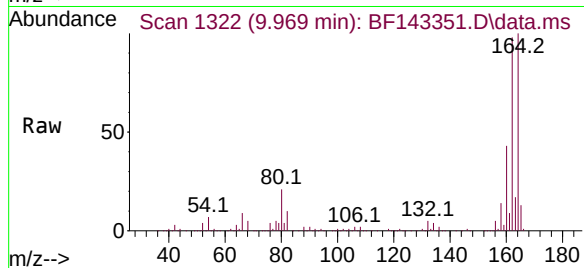
Tgt Ion:164 Resp: 340813

Ion Ratio Lower Upper

164 100

162 98.0 78.6 118.0

160 42.8 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.218 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Tgt Ion:216 Resp: 365752

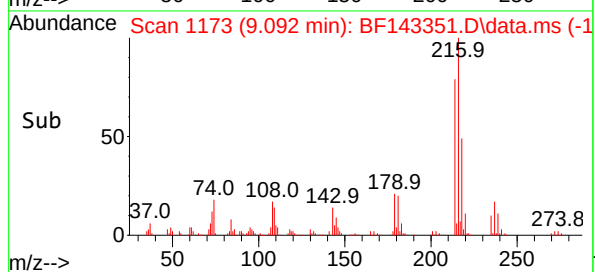
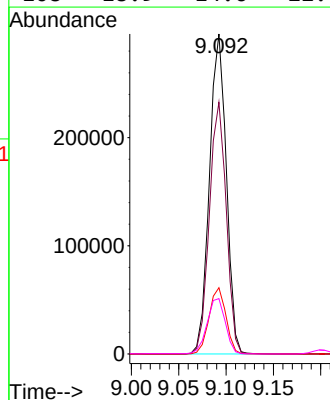
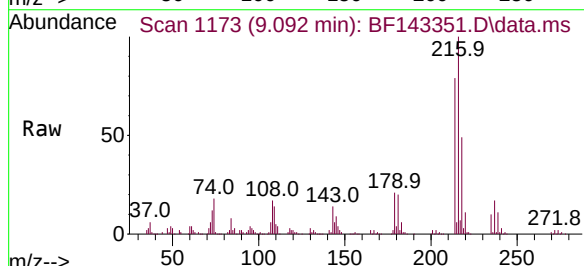
Ion Ratio Lower Upper

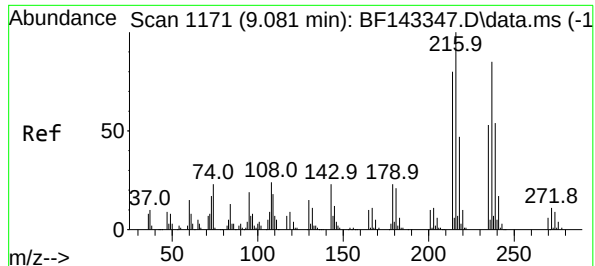
216 100

214 78.8 63.0 94.4

179 20.8 17.0 25.4

108 18.9 14.6 22.0

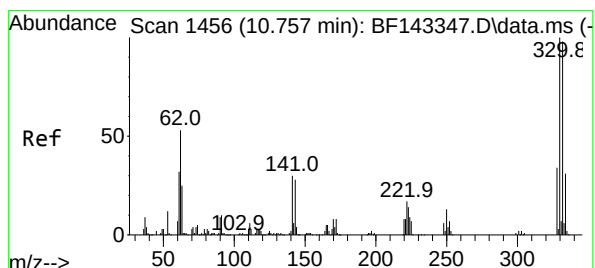
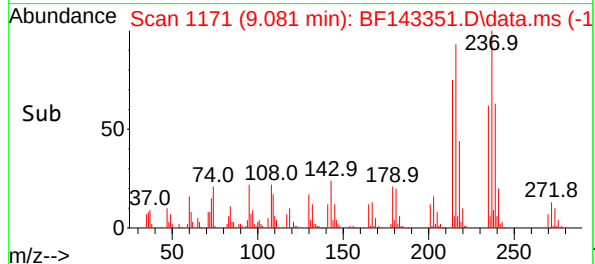
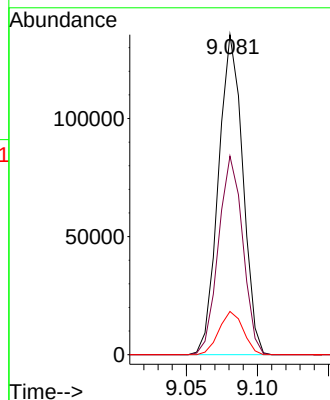
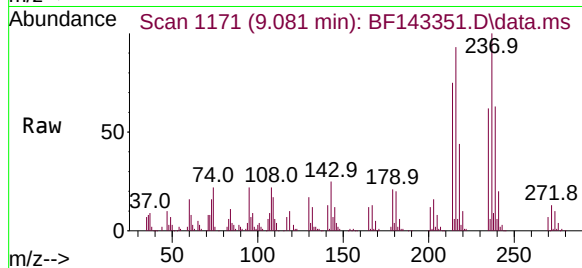




#41
Hexachlorocyclopentadiene
Concen: 51.644 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

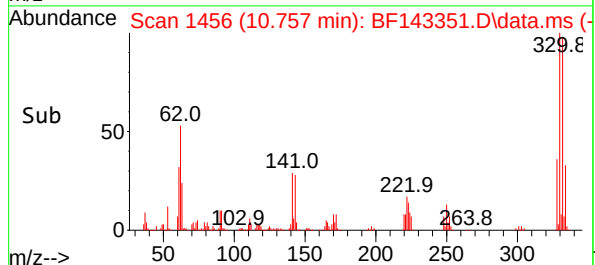
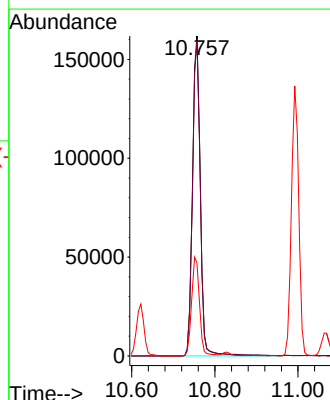
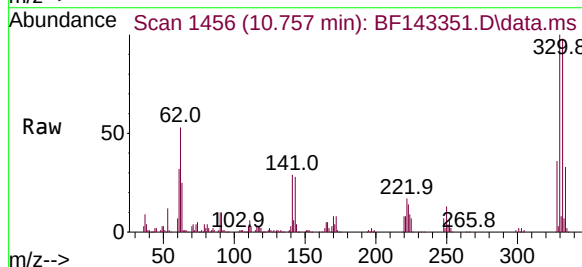
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

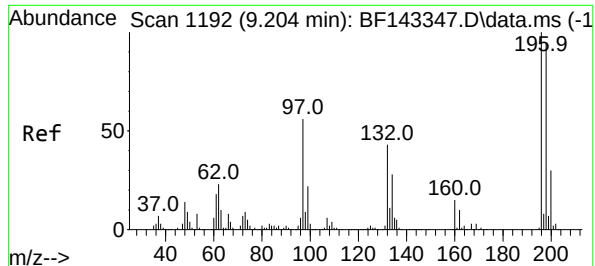
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.0	82.0
272	13.5	0.0	32.6



#42
2,4,6-Tribromophenol
Concen: 84.868 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.1	117.1
141	31.2	25.4	38.0





#43

2,4,6-Trichlorophenol

Concen: 42.843 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

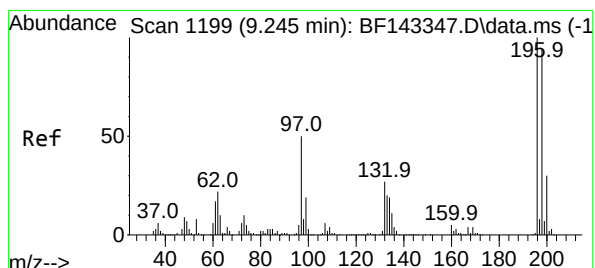
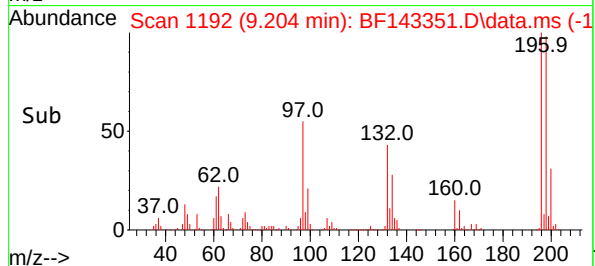
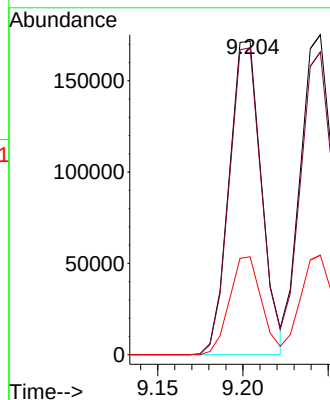
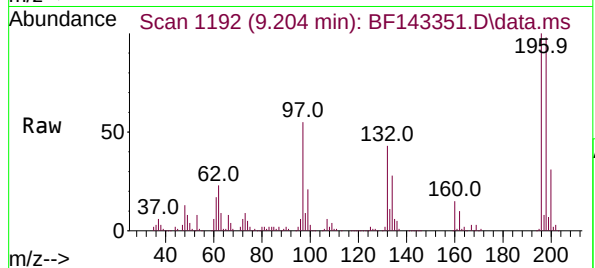
Tgt Ion:196 Resp: 226704

Ion Ratio Lower Upper

196 100

198 97.9 75.4 113.0

200 31.2 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 41.305 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Tgt Ion:196 Resp: 246815

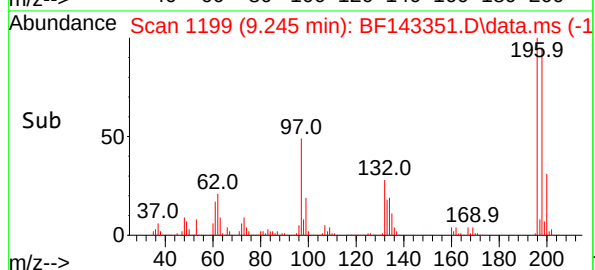
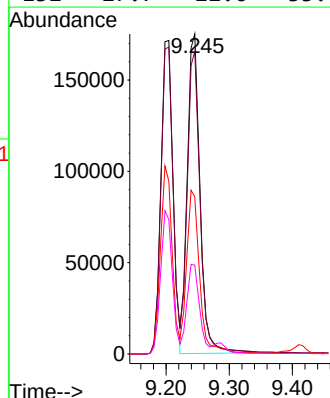
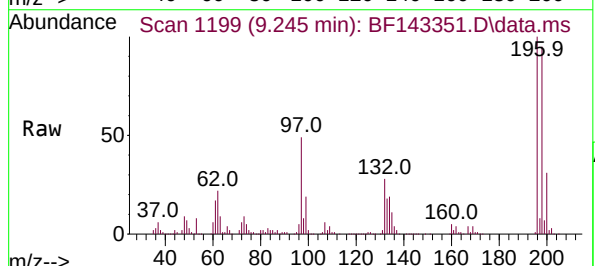
Ion Ratio Lower Upper

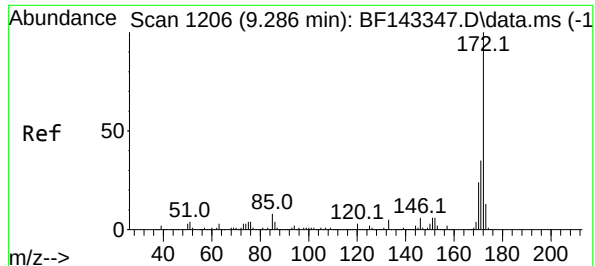
196 100

198 94.6 75.4 113.2

97 49.1 39.9 59.9

132 27.7 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 74.116 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

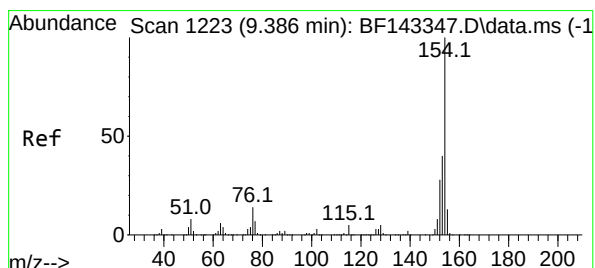
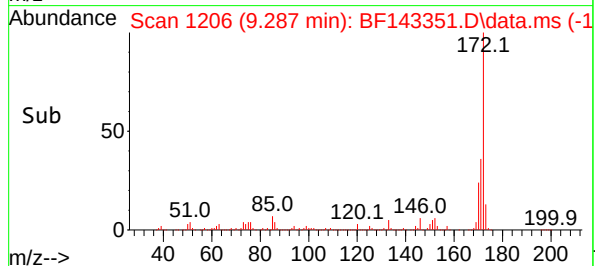
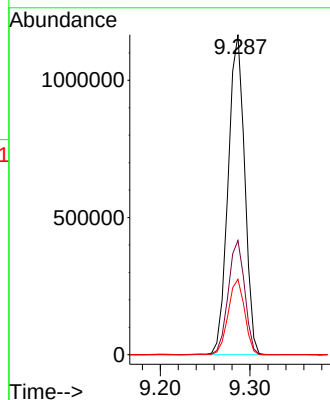
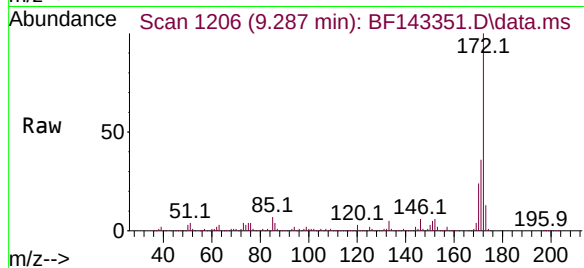
Tgt Ion:172 Resp: 1489585

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.6 19.1 28.7



#46

1,1'-Biphenyl

Concen: 38.812 ng

RT: 9.387 min Scan# 1223

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

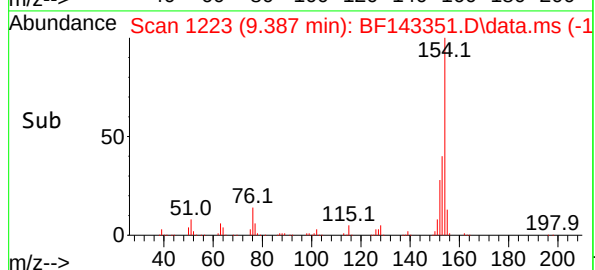
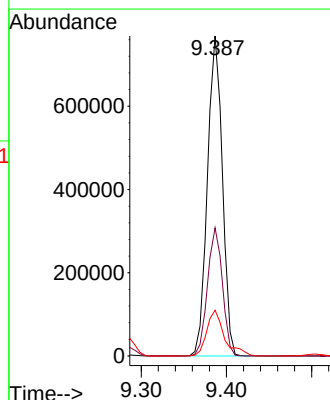
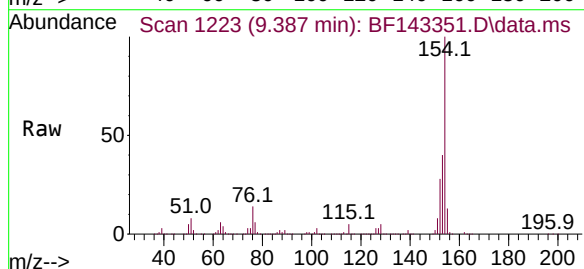
Tgt Ion:154 Resp: 935277

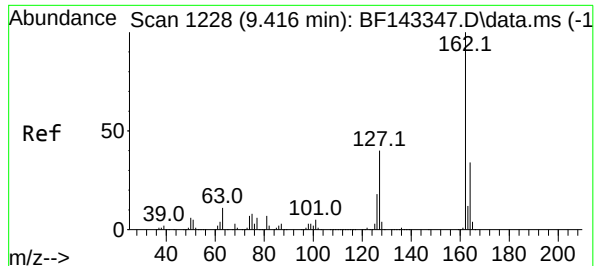
Ion Ratio Lower Upper

154 100

153 40.1 20.2 60.2

76 14.3 0.0 34.4





#47

2-Chloronaphthalene

Concen: 38.093 ng

RT: 9.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

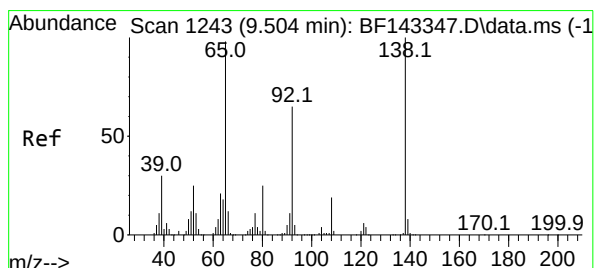
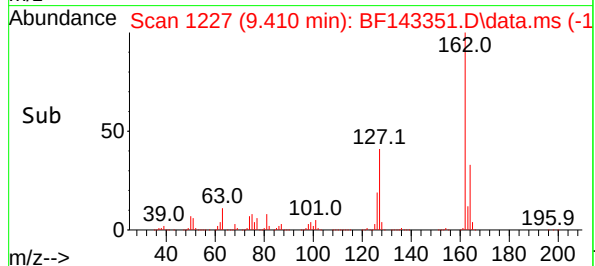
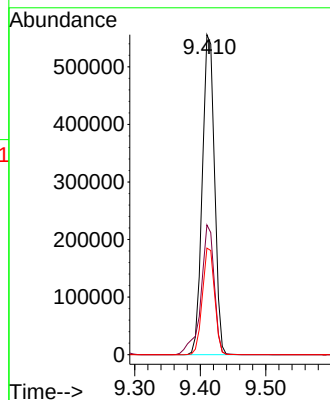
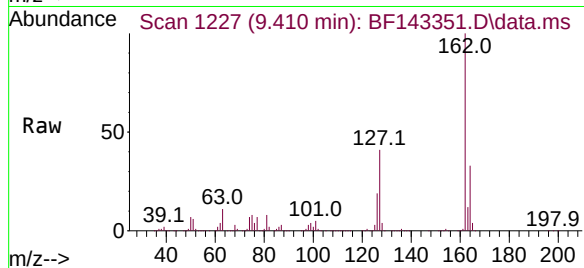
Tgt Ion:162 Resp: 722952

Ion Ratio Lower Upper

162 100

127 40.6 32.1 48.1

164 33.3 27.0 40.4



#48

2-Nitroaniline

Concen: 42.167 ng

RT: 9.504 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

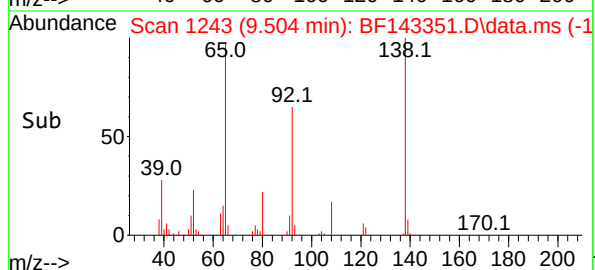
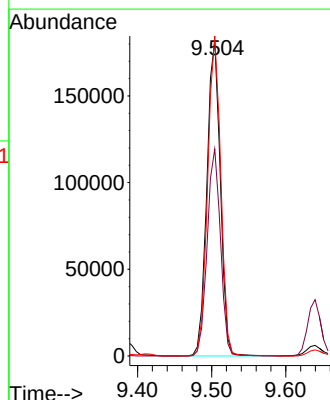
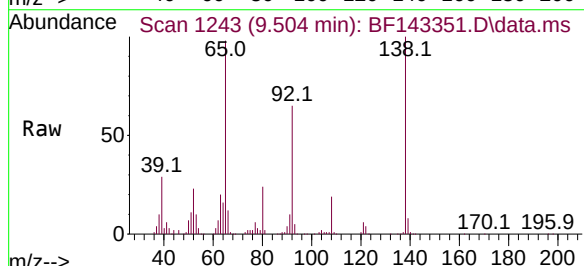
Tgt Ion: 65 Resp: 228854

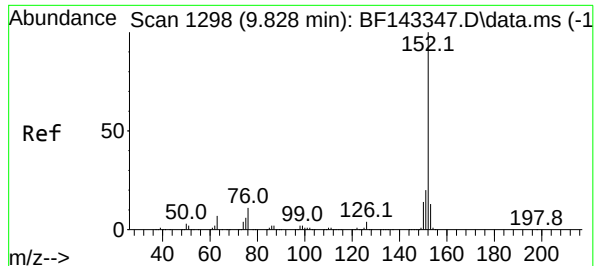
Ion Ratio Lower Upper

65 100

92 65.7 53.1 79.7

138 101.5 81.4 122.0





#49

Acenaphthylene

Concen: 42.507 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

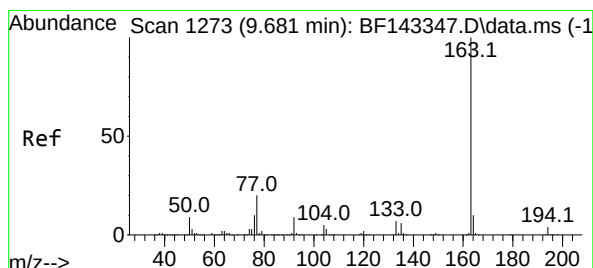
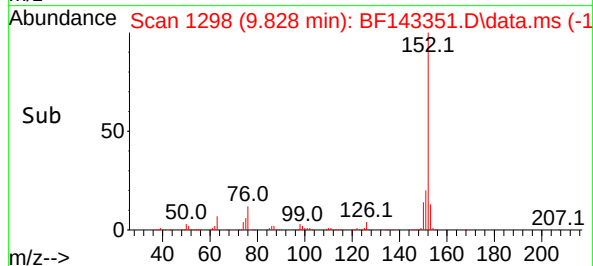
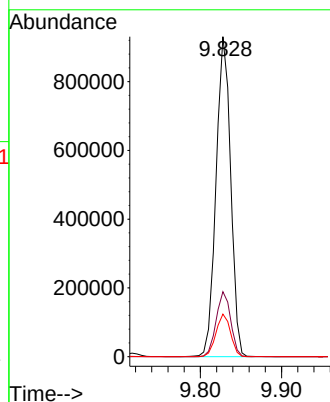
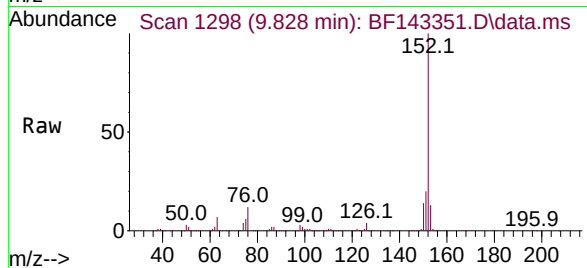
Tgt Ion:152 Resp: 1164992

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 40.126 ng

RT: 9.681 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

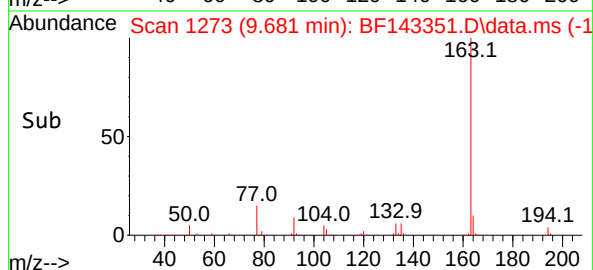
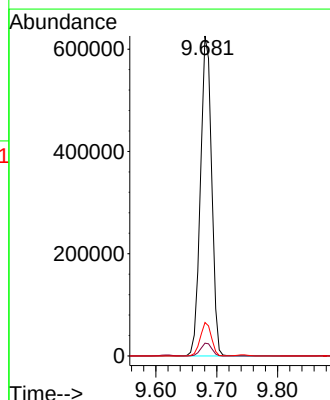
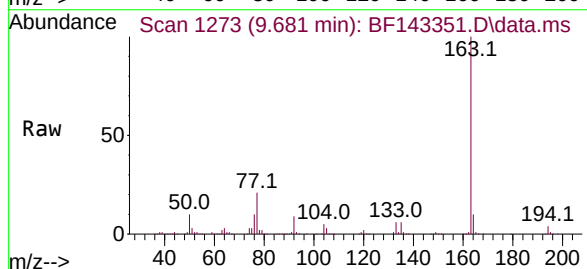
Tgt Ion:163 Resp: 799080

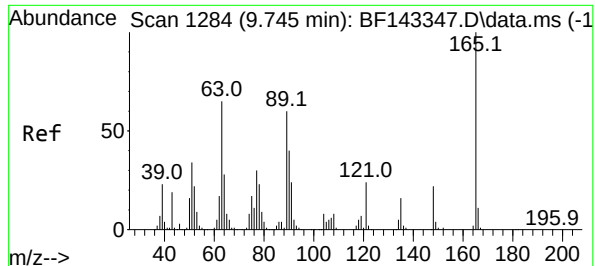
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.4 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 45.012 ng

RT: 9.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

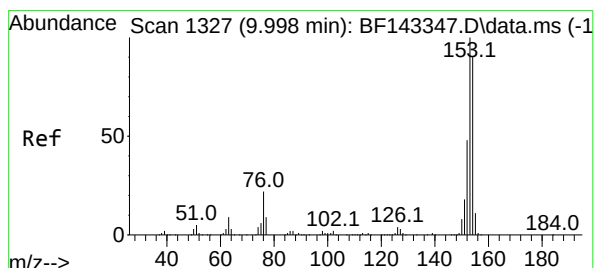
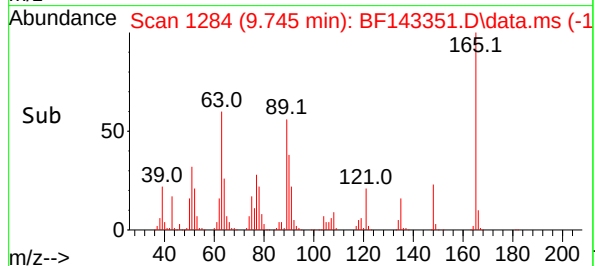
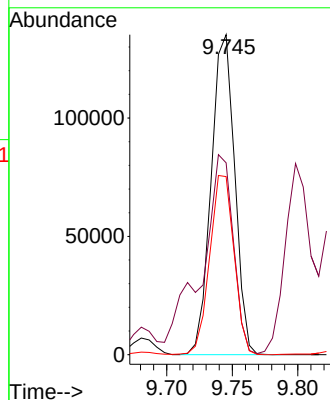
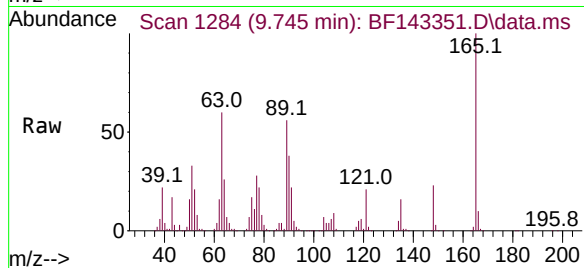
Tgt Ion:165 Resp: 168880

Ion Ratio Lower Upper

165 100

63 60.0 51.6 77.4

89 55.7 47.7 71.5



#52

Acenaphthene

Concen: 37.893 ng

RT: 10.004 min Scan# 1328

Delta R.T. 0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

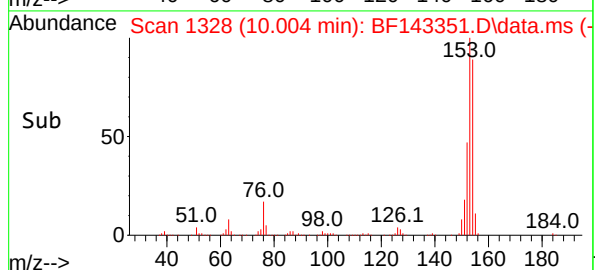
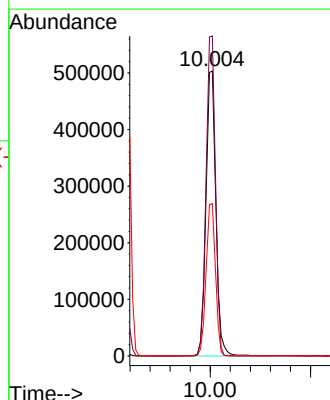
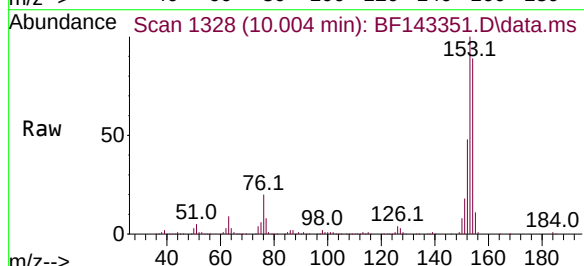
Tgt Ion:154 Resp: 690443

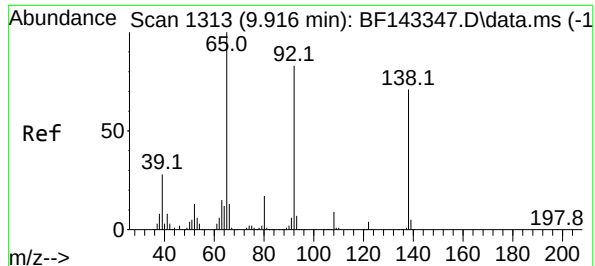
Ion Ratio Lower Upper

154 100

153 112.3 88.5 132.7

152 53.4 42.4 63.6





#53

3-Nitroaniline

Concen: 47.593 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

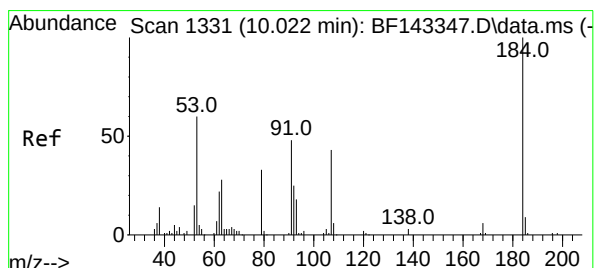
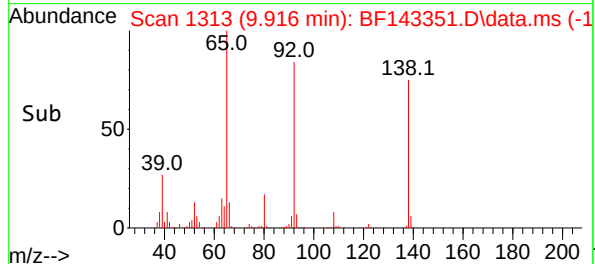
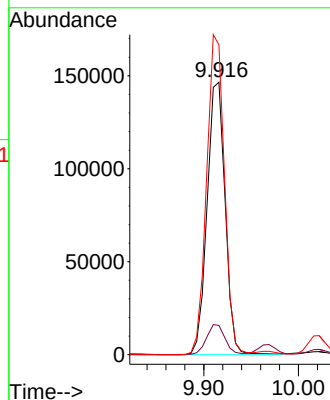
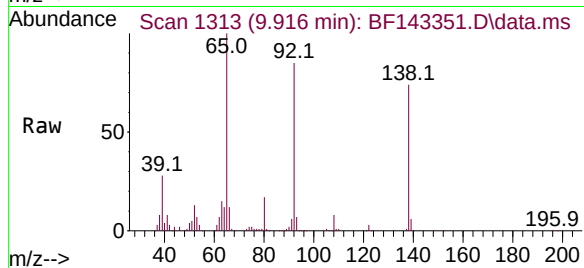
Tgt Ion:138 Resp: 194097

Ion Ratio Lower Upper

138 100

108 10.8 9.6 14.4

92 113.7 93.4 140.2



#54

2,4-Dinitrophenol

Concen: 45.910 ng

RT: 10.022 min Scan# 1331

Delta R.T. -0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

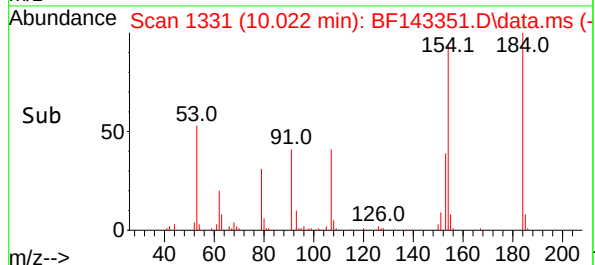
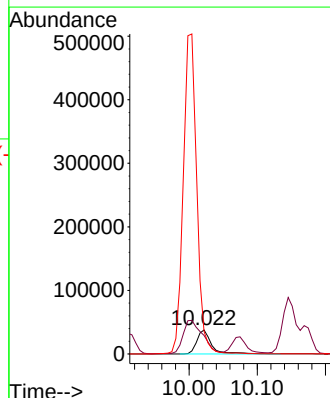
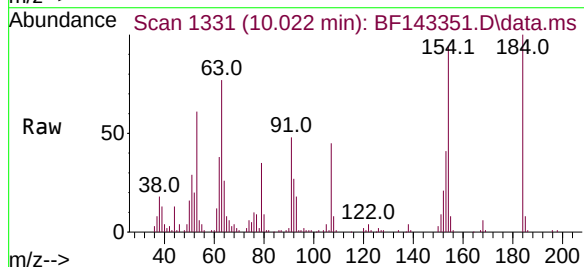
Tgt Ion:184 Resp: 56042

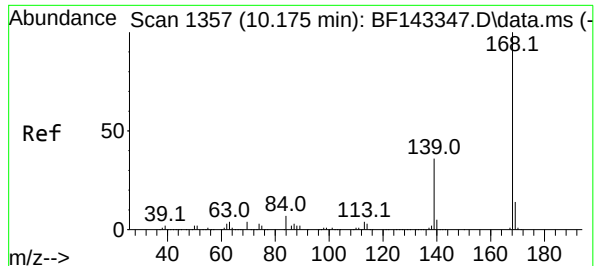
Ion Ratio Lower Upper

184 100

63 77.4 62.5 93.7

154 94.4 73.0 109.4





#55

Dibenzofuran

Concen: 38.652 ng

RT: 10.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

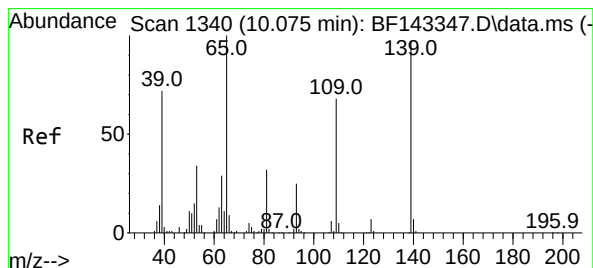
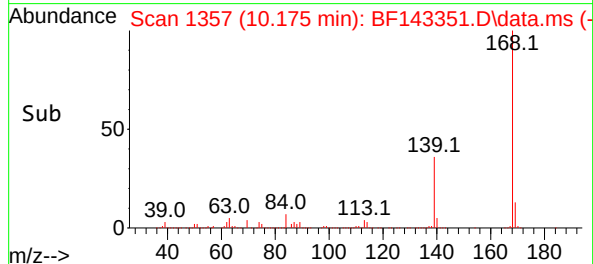
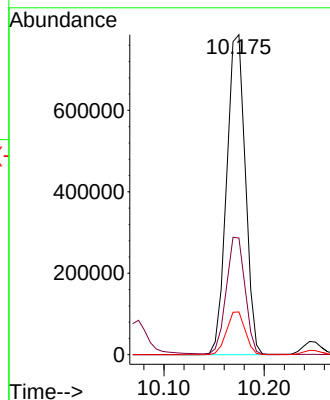
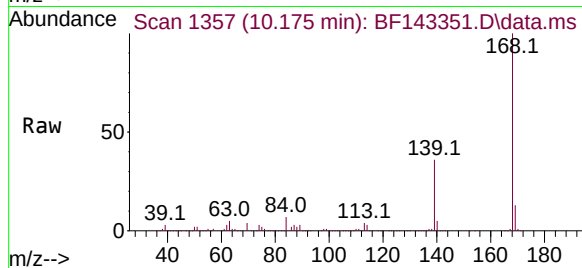
Tgt Ion:168 Resp: 1013581

Ion Ratio Lower Upper

168 100

139 36.5 29.4 44.0

169 13.4 11.0 16.6



#56

4-Nitrophenol

Concen: 41.060 ng

RT: 10.075 min Scan# 1340

Delta R.T. -0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

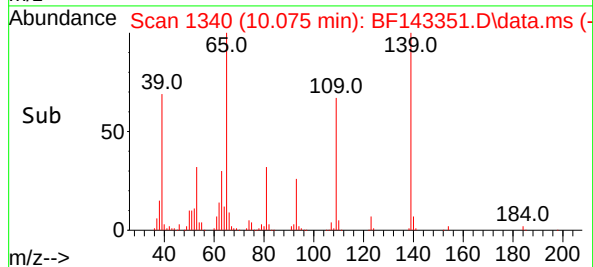
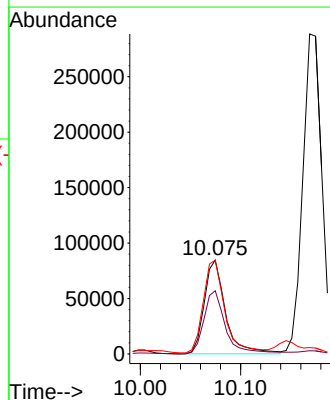
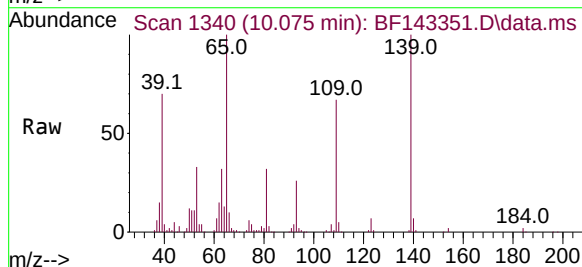
Tgt Ion:139 Resp: 124501

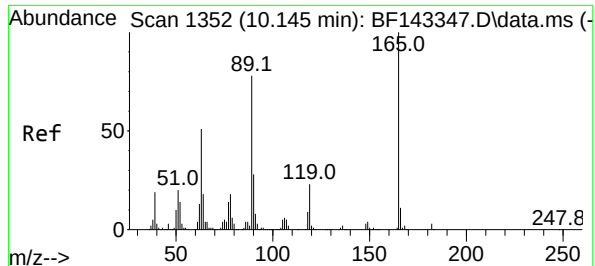
Ion Ratio Lower Upper

139 100

109 67.4 49.4 89.4

65 100.1 83.7 123.7





#57

2,4-Dinitrotoluene

Concen: 43.458 ng

RT: 10.145 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143351.D

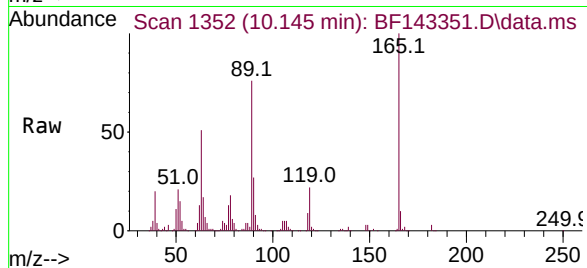
Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225



Tgt Ion:165 Resp: 215795

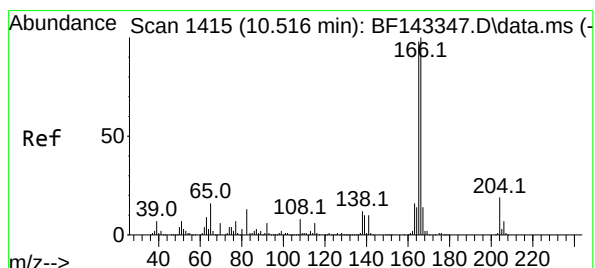
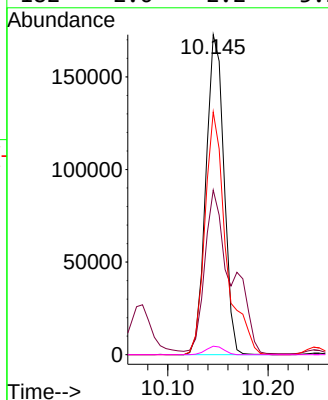
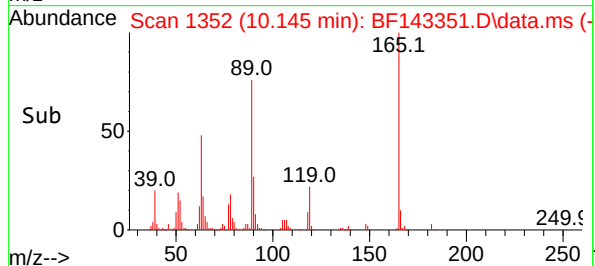
Ion Ratio Lower Upper

165 100

63 51.4 41.8 62.8

89 75.9 62.4 93.6

182 2.6 2.2 3.2



#58

Fluorene

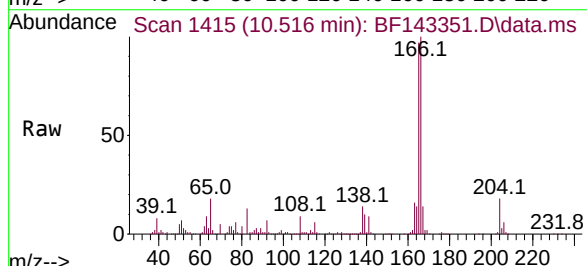
Concen: 38.022 ng

RT: 10.516 min Scan# 1415

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52



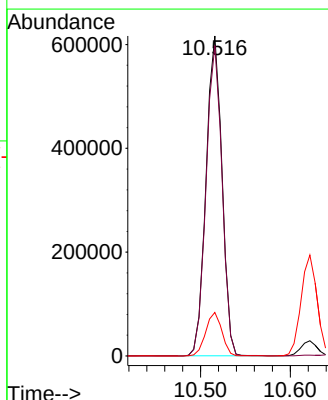
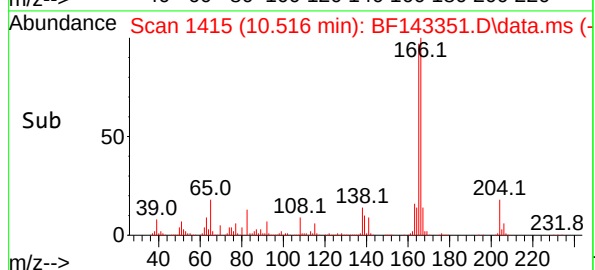
Tgt Ion:166 Resp: 761581

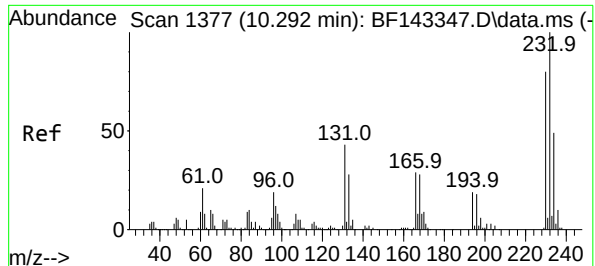
Ion Ratio Lower Upper

166 100

165 97.0 78.2 117.4

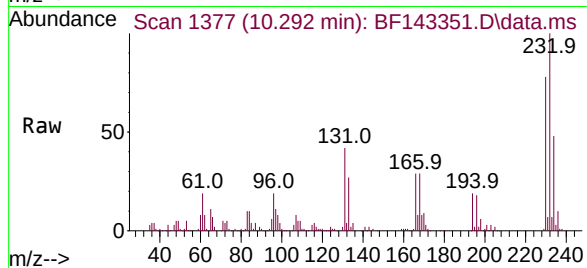
167 13.6 10.9 16.3



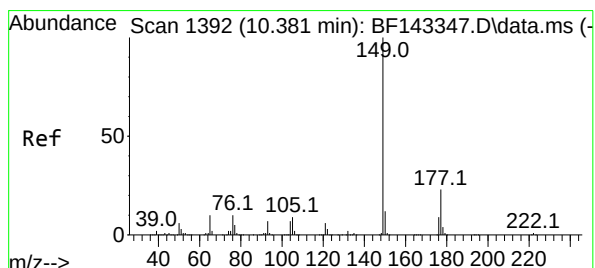
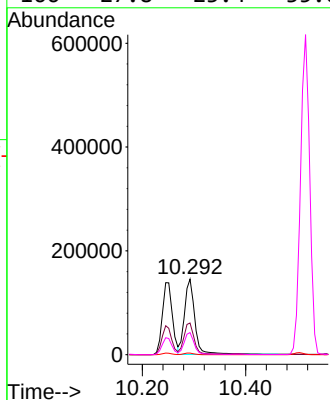
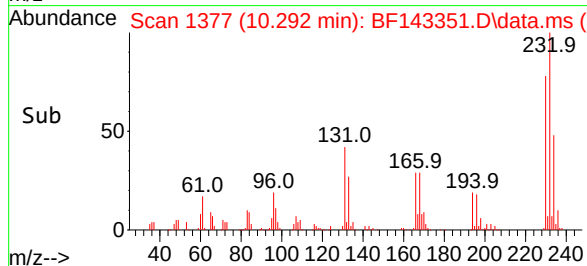


#59
2,3,4,6-Tetrachlorophenol
Concen: 50.091 ng
RT: 10.292 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

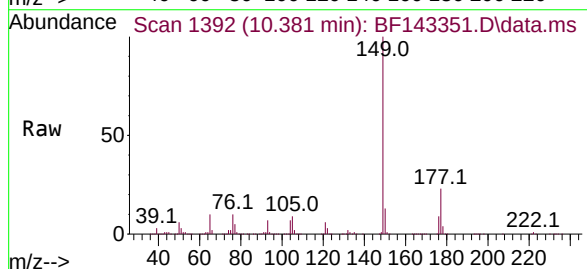
Instrument :
BNA_F
ClientSampleId :
ICVBF081225



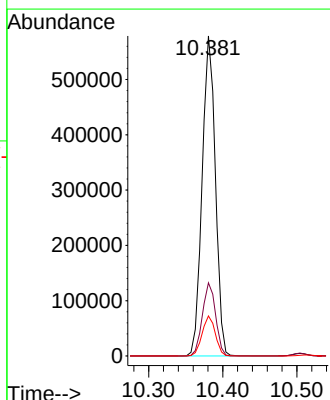
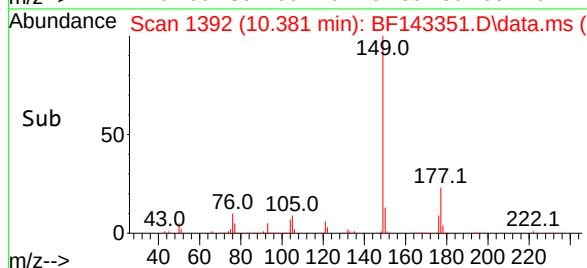
Tgt Ion:232 Resp: 201768
Ion Ratio Lower Upper
232 100
131 42.2 34.6 51.8
130 2.1 1.7 2.5
166 27.8 23.4 35.0

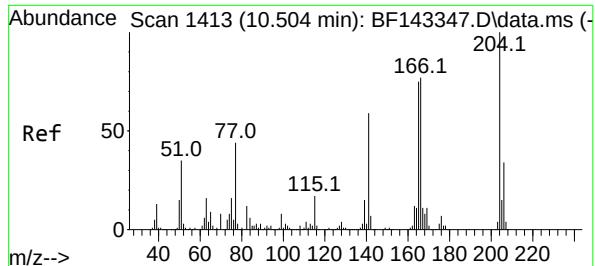


#60
Diethylphthalate
Concen: 40.317 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52



Tgt Ion:149 Resp: 719164
Ion Ratio Lower Upper
149 100
177 22.9 18.2 27.2
150 12.5 9.9 14.9

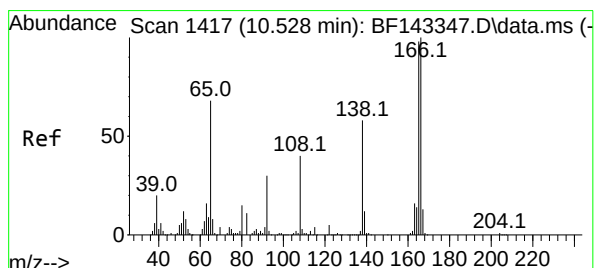
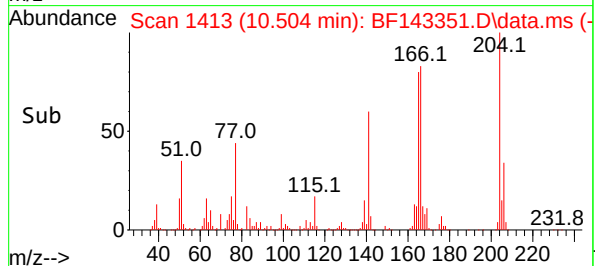
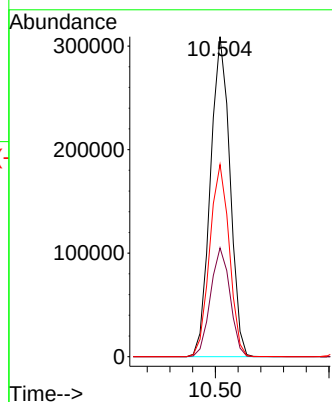
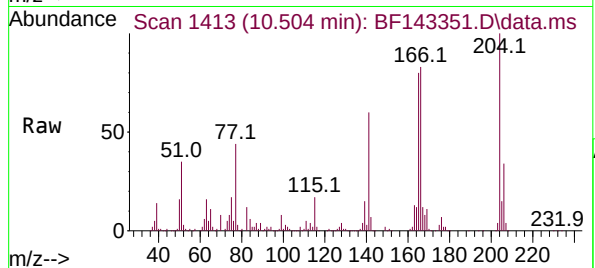




#61
4-Chlorophenyl-phenylether
Concen: 38.123 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

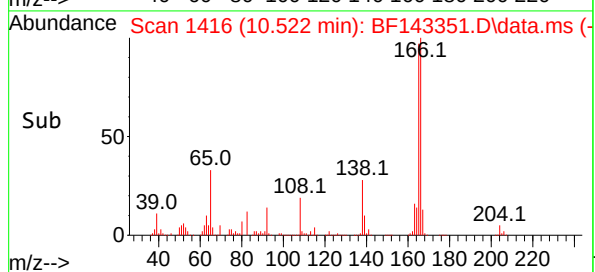
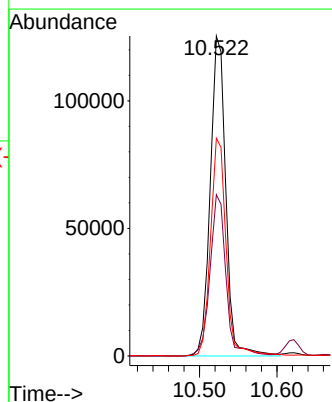
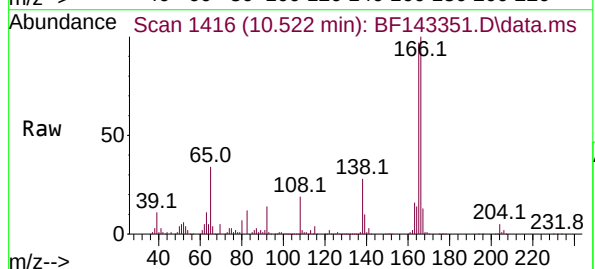
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

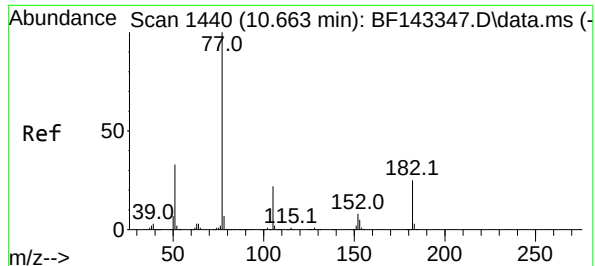
Tgt Ion:204 Resp: 368971
Ion Ratio Lower Upper
204 100
206 34.0 27.4 41.2
141 60.1 46.9 70.3



#62
4-Nitroaniline
Concen: 44.317 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:138 Resp: 174863
Ion Ratio Lower Upper
138 100
92 50.4 31.2 71.2
108 68.1 48.1 88.1

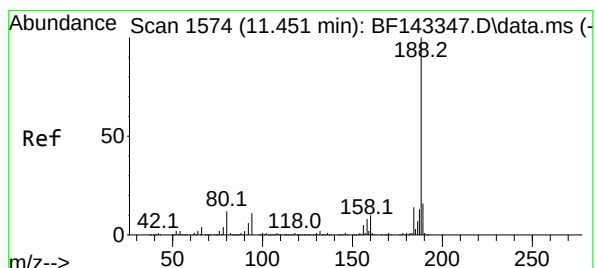
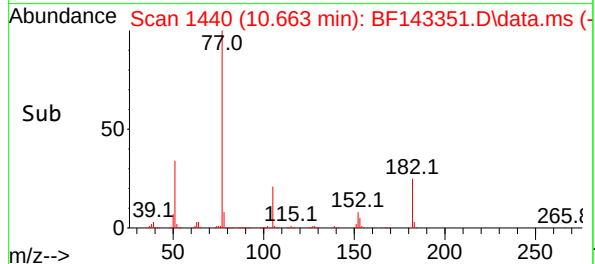
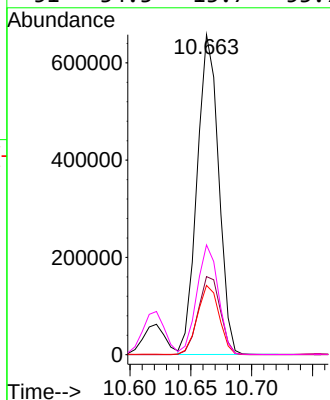
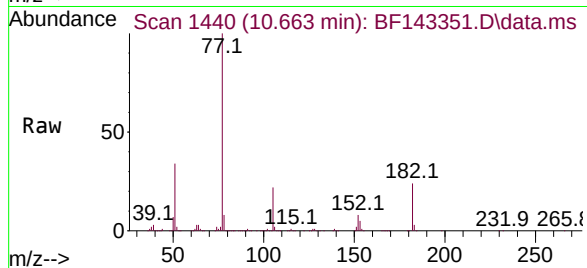




#63
Azobenzene
Concen: 39.721 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

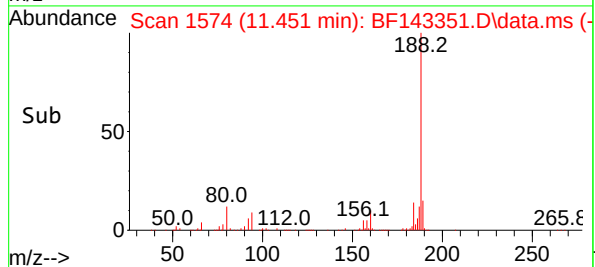
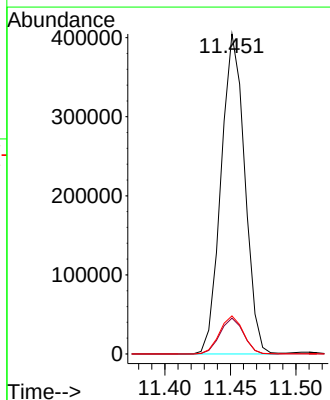
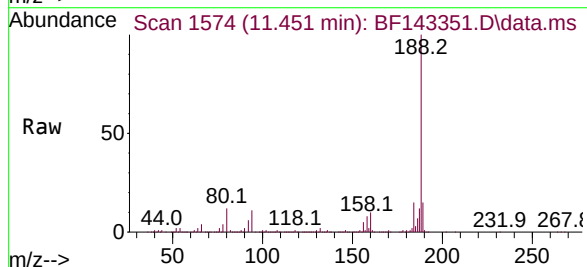
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

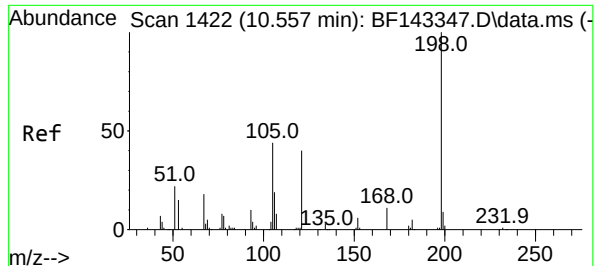
Tgt Ion: 77	Resp: 809295
Ion Ratio	Lower Upper
77	100
182	24.4 4.4 44.4
105	21.7 1.8 41.8
51	34.3 13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 188	Resp: 507289
Ion Ratio	Lower Upper
188	100
94	11.2 8.8 13.2
80	11.9 9.7 14.5

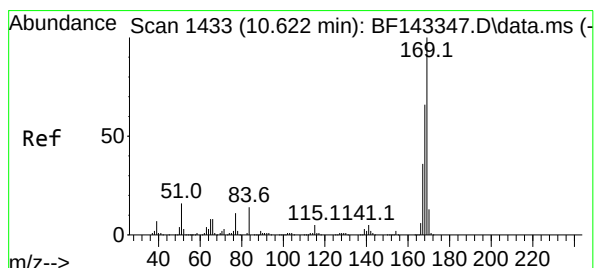
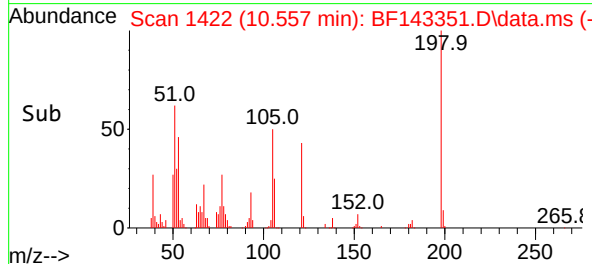
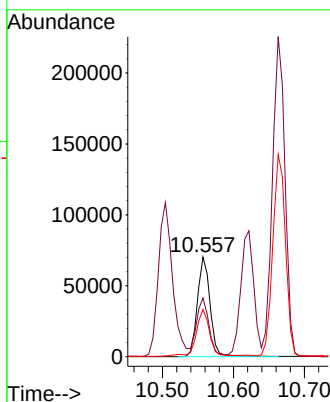
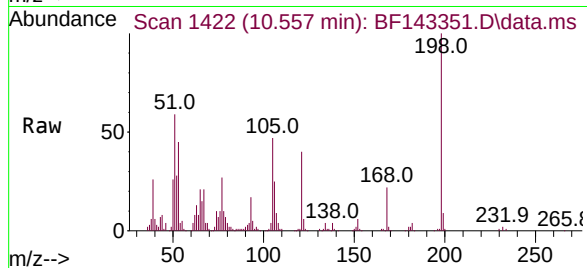




#65
4,6-Dinitro-2-methylphenol
Concen: 43.535 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

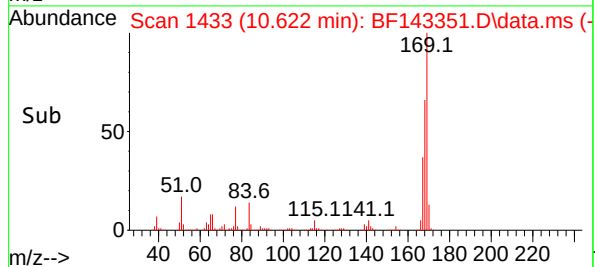
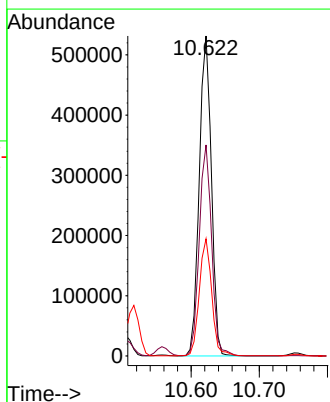
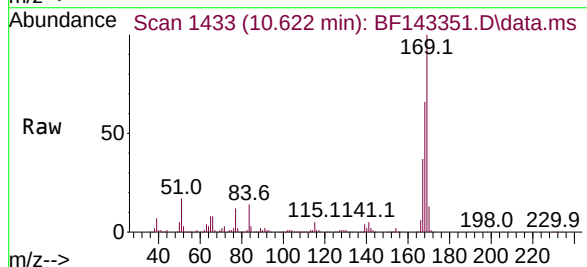
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

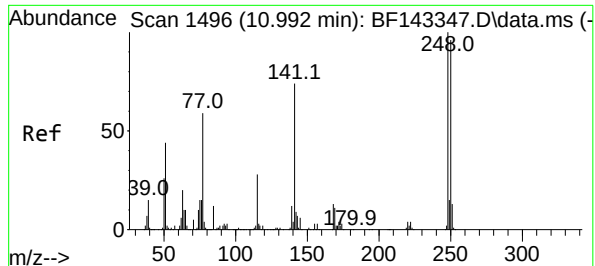
Tgt Ion	Ratio	Lower	Upper
198	100		
51	58.8	41.7	81.7
105	47.3	26.8	66.8



#66
n-Nitrosodiphenylamine
Concen: 39.468 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.7	79.1
167	36.6	28.6	42.8

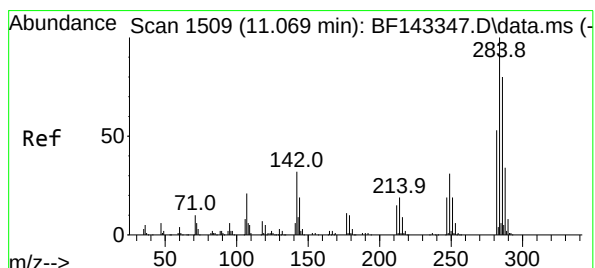
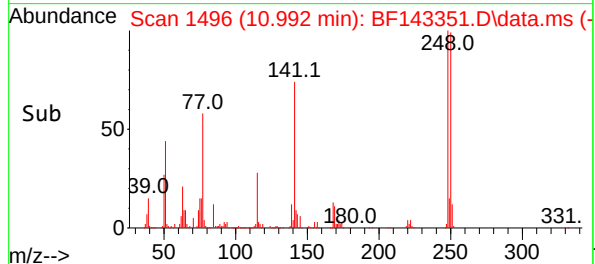
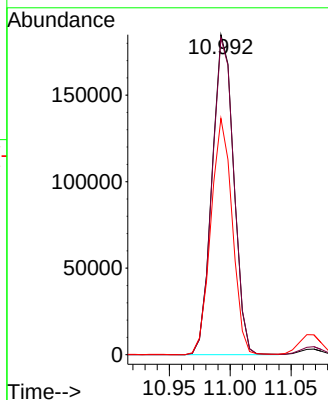
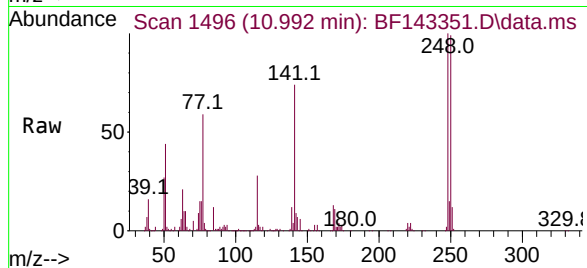




#67
4-Bromophenyl-phenylether
Concen: 39.466 ng
RT: 10.992 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

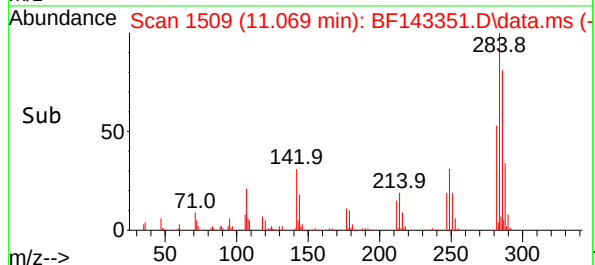
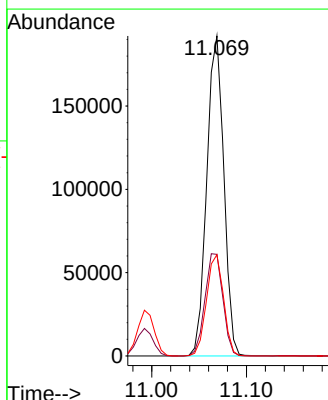
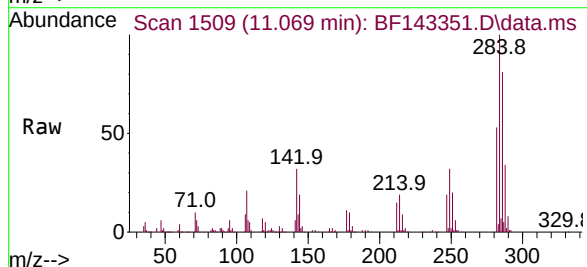
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

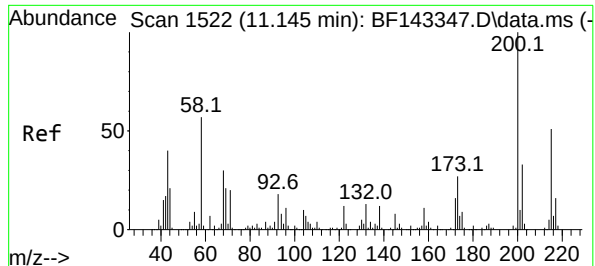
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.1	115.7
141	73.9	59.1	88.7



#68
Hexachlorobenzene
Concen: 38.460 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.7	25.7	38.5
249	31.6	24.6	37.0





#69

Atrazine

Concen: 40.936 ng

RT: 11.145 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

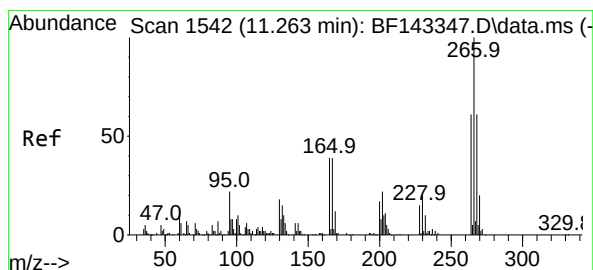
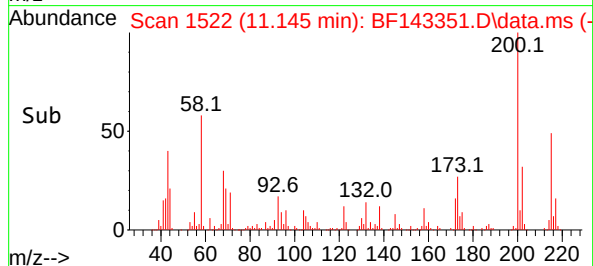
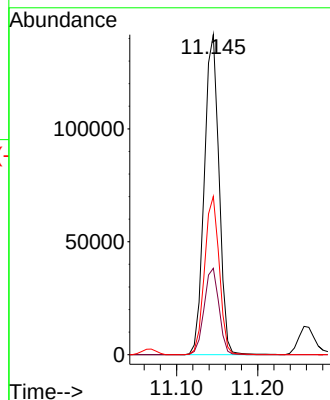
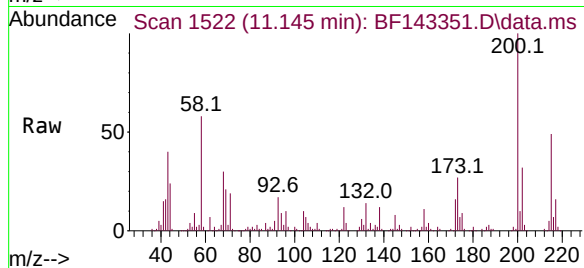
Tgt Ion:200 Resp: 178347

Ion Ratio Lower Upper

200 100

173 27.0 6.6 46.6

215 49.4 30.6 70.6



#70

Pentachlorophenol

Concen: 38.771 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

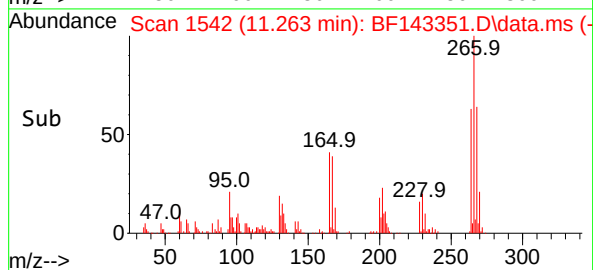
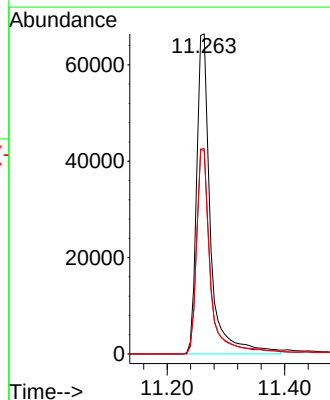
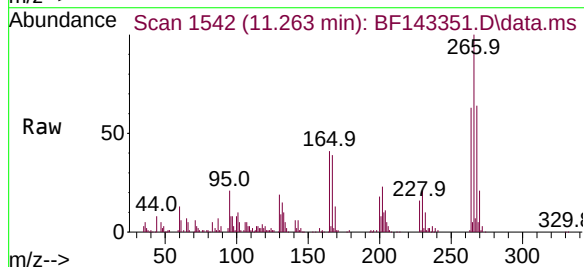
Tgt Ion:266 Resp: 108593

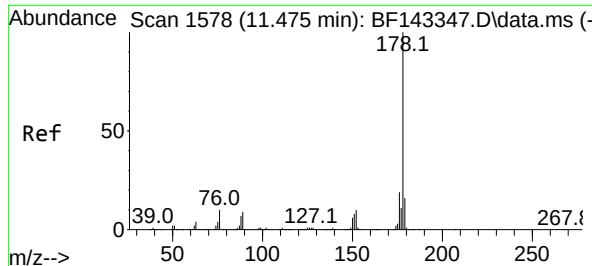
Ion Ratio Lower Upper

266 100

268 64.2 48.8 73.2

264 63.4 48.8 73.2

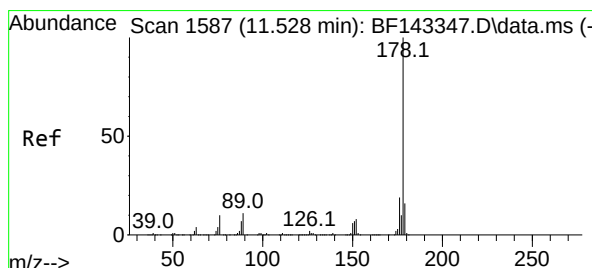
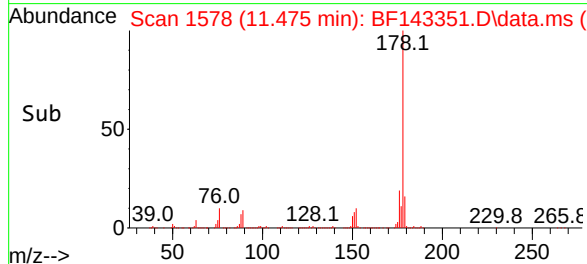
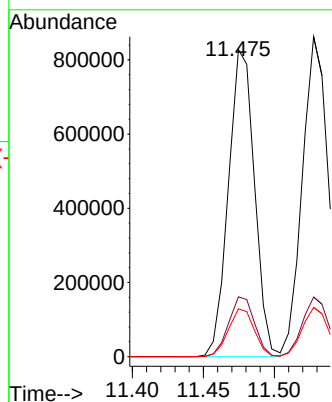
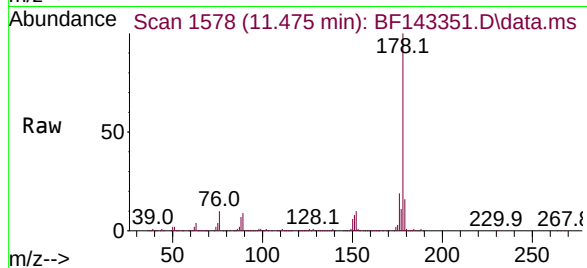




#71
Phenanthrene
Concen: 38.330 ng
RT: 11.475 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

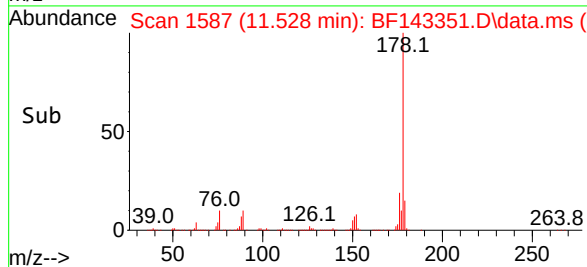
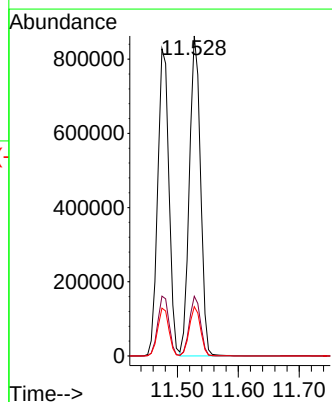
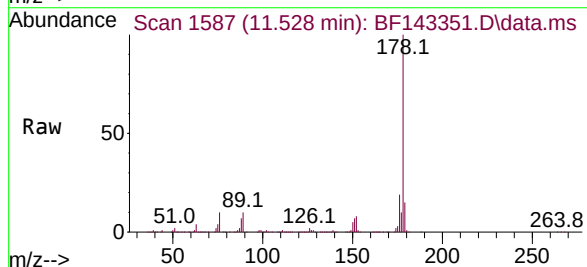
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

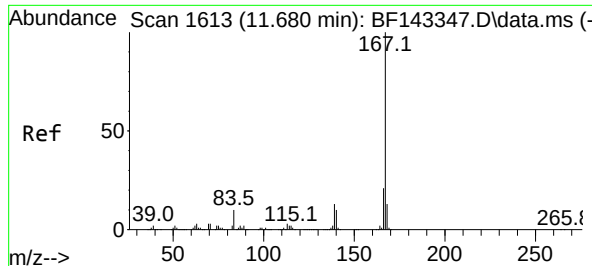
Tgt Ion:178 Resp: 1060892
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.5 12.5 18.7



#72
Anthracene
Concen: 38.834 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:178 Resp: 1090047
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.4 12.7 19.1

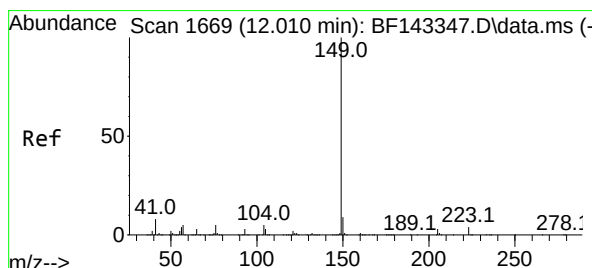
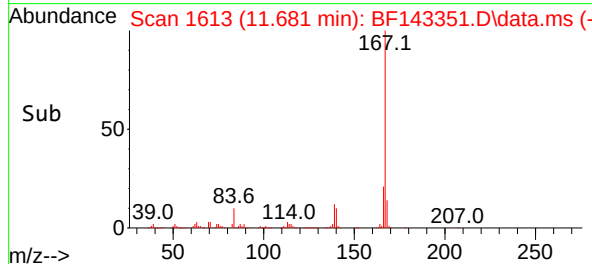
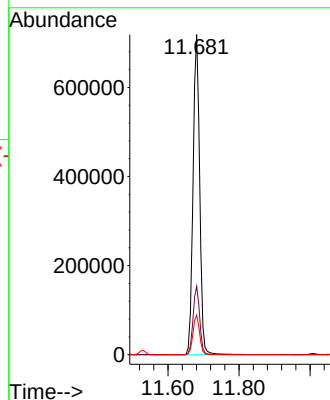
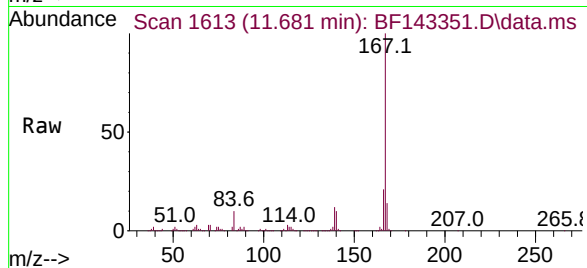




#73
Carbazole
Concen: 38.877 ng
RT: 11.681 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

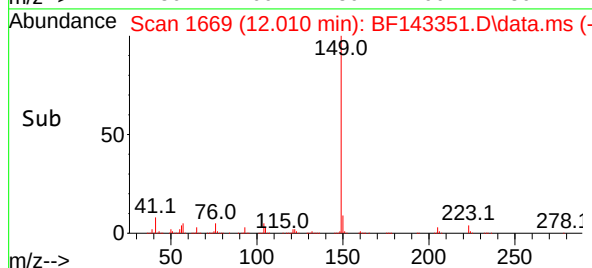
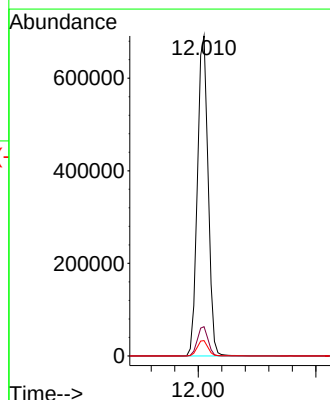
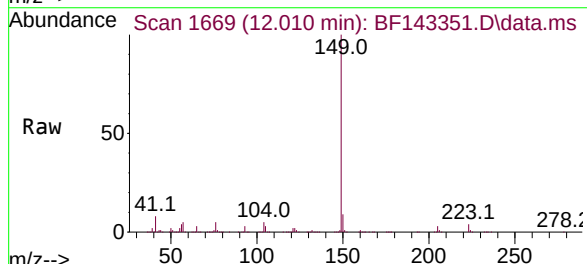
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

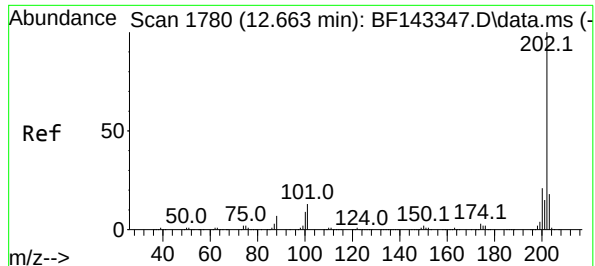
Tgt Ion:167 Resp: 929366
Ion Ratio Lower Upper
167 100
166 21.4 16.8 25.2
139 12.4 10.2 15.2



#74
Di-n-butylphthalate
Concen: 43.060 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:149 Resp: 871054
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 4.8 3.8 5.8

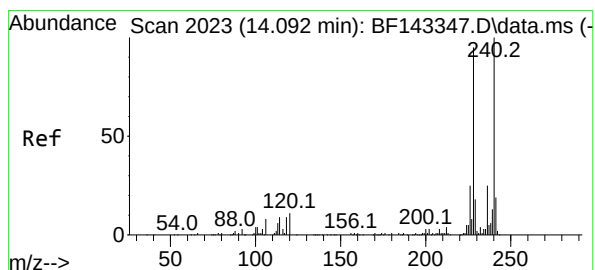
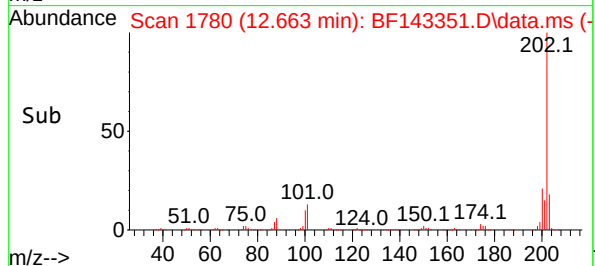
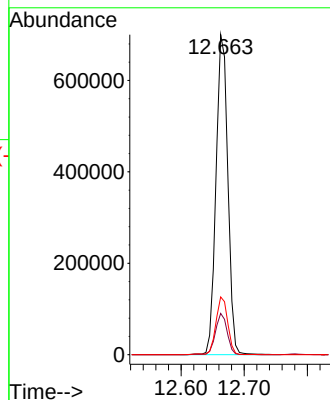
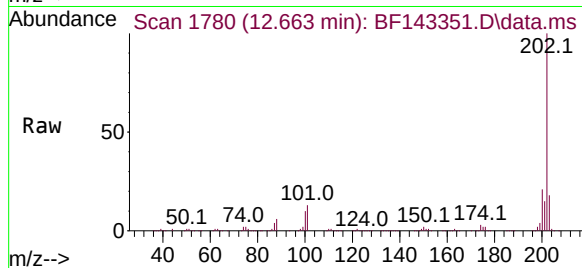




#75
Fluoranthene
Concen: 37.543 ng
RT: 12.663 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

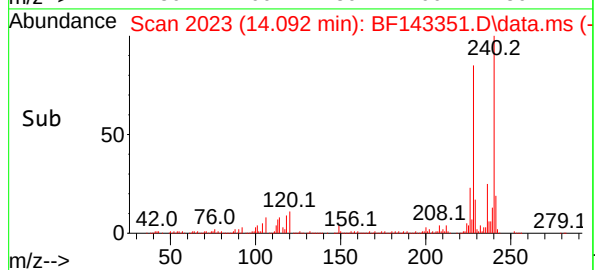
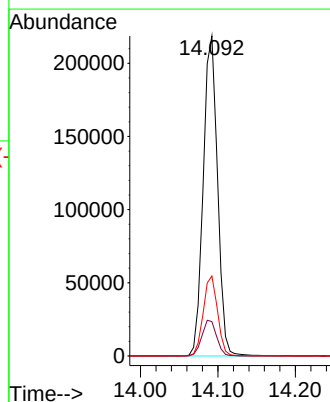
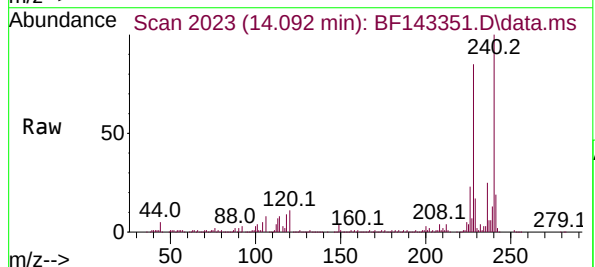
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

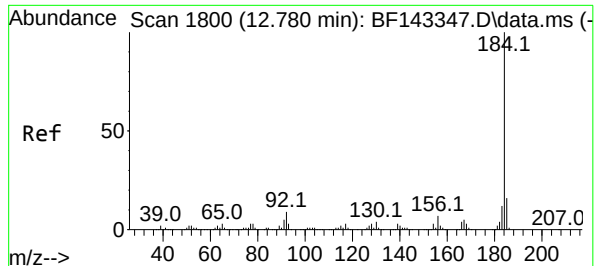
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	18.1	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.6
236	25.0	19.9	29.9





#77

Benzidine

Concen: 43.872 ng

RT: 12.780 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

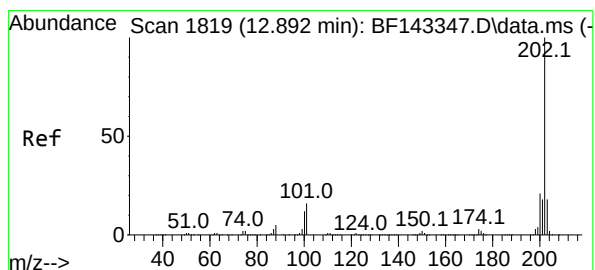
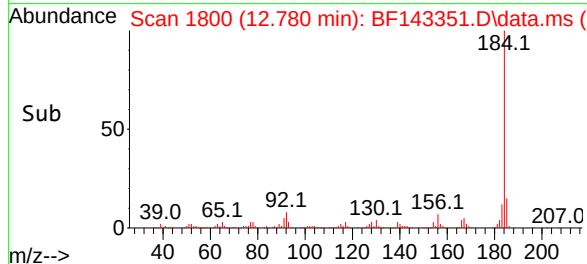
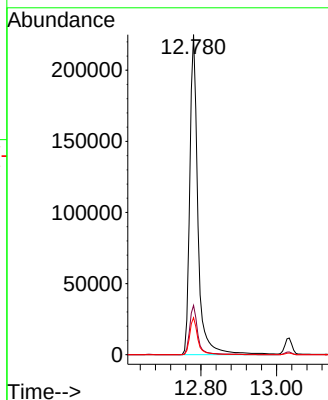
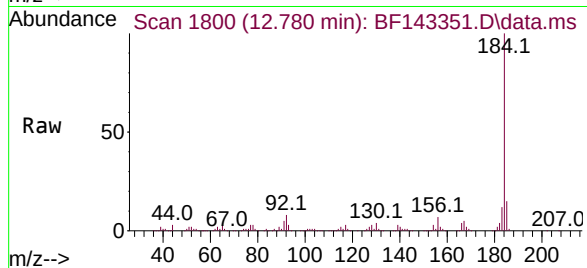
Tgt Ion:184 Resp: 336170

Ion Ratio Lower Upper

184 100

185 15.4 12.8 19.2

183 11.5 9.3 13.9



#78

Pyrene

Concen: 39.329 ng

RT: 12.892 min Scan# 1819

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

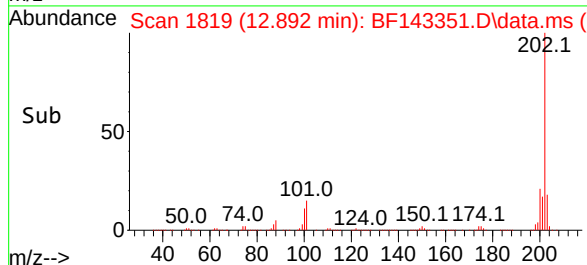
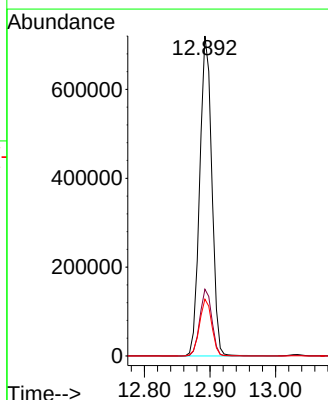
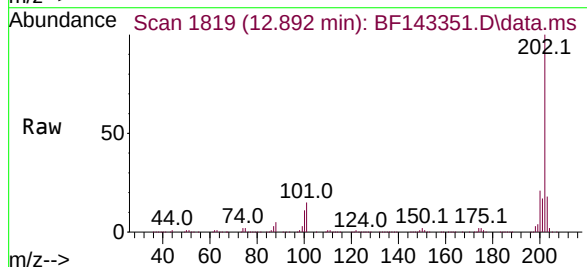
Tgt Ion:202 Resp: 924712

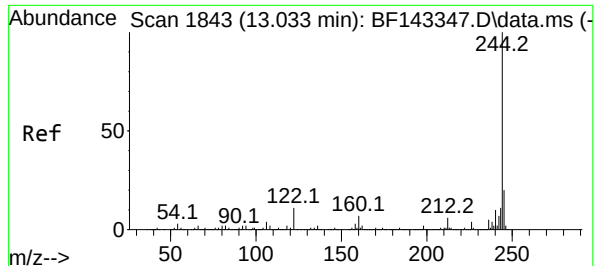
Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 78.222 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

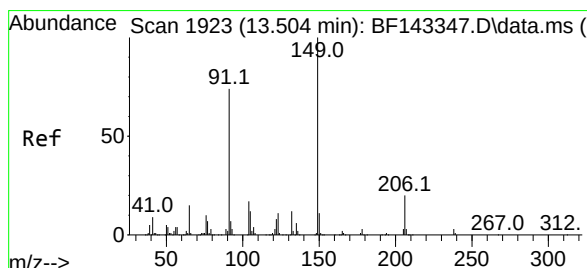
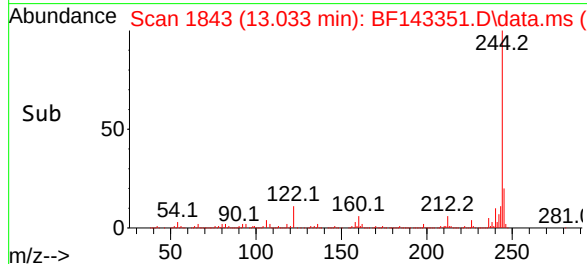
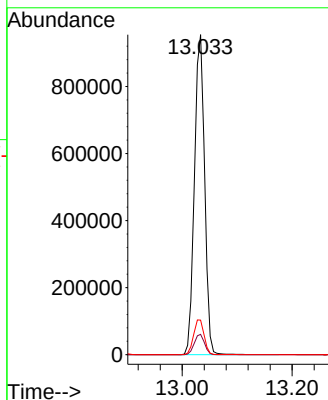
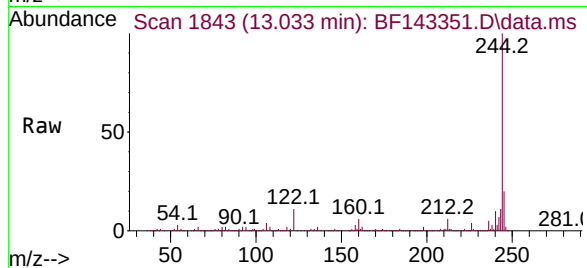
Tgt Ion:244 Resp: 1227991

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 10.8 8.9 13.3



#80

Butylbenzylphthalate

Concen: 41.012 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

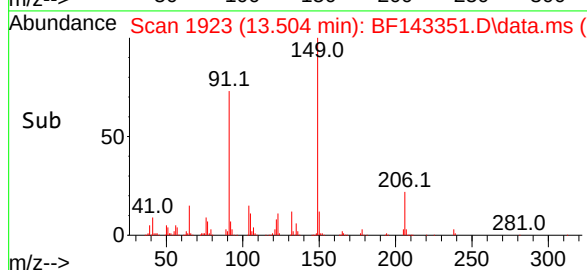
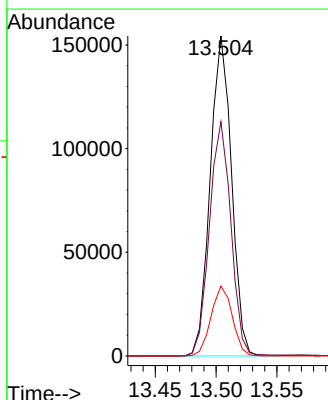
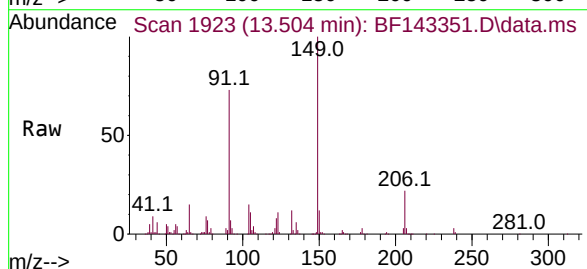
Tgt Ion:149 Resp: 188120

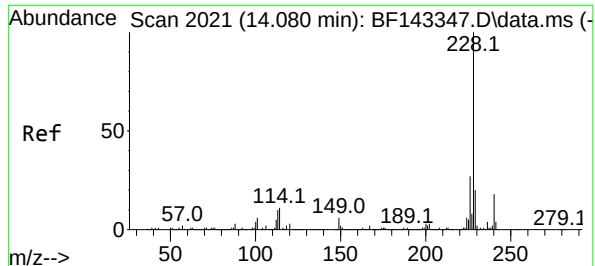
Ion Ratio Lower Upper

149 100

91 73.2 58.8 88.2

206 21.8 16.4 24.6

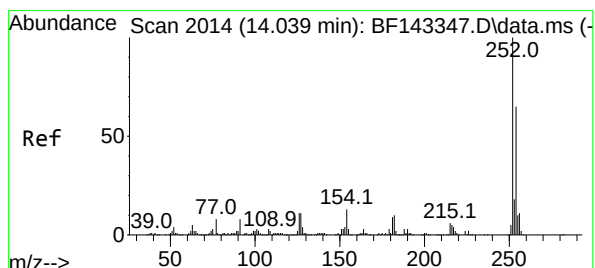
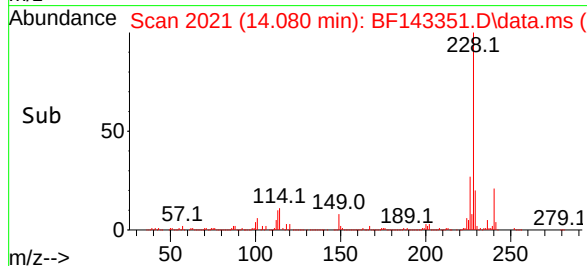
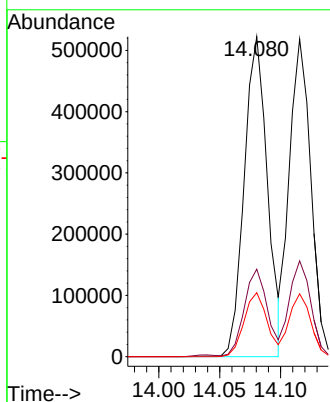
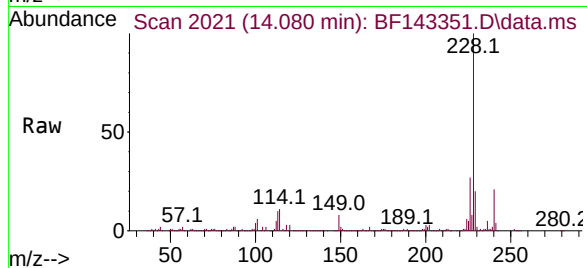




#81
Benzo(a)anthracene
Concen: 38.956 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

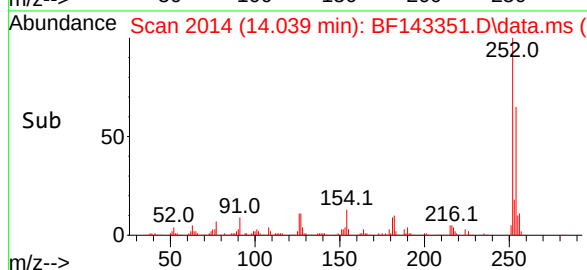
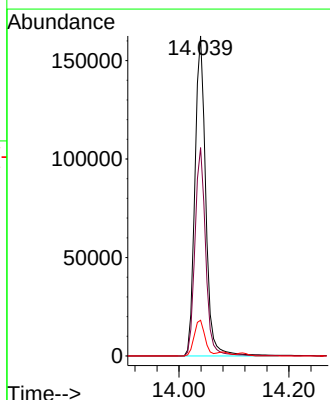
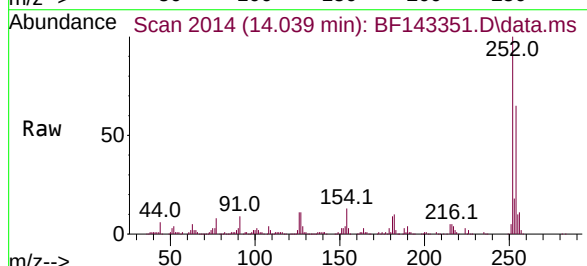
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

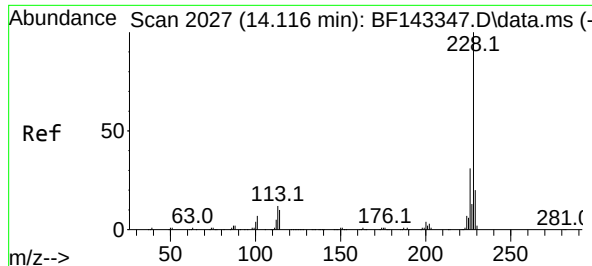
Tgt Ion:228 Resp: 693960
Ion Ratio Lower Upper
228 100
226 27.3 22.0 33.0
229 20.0 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 46.252 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:252 Resp: 222482
Ion Ratio Lower Upper
252 100
254 65.1 51.7 77.5
126 11.2 9.2 13.8





#83

Chrysene

Concen: 38.503 ng

RT: 14.116 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

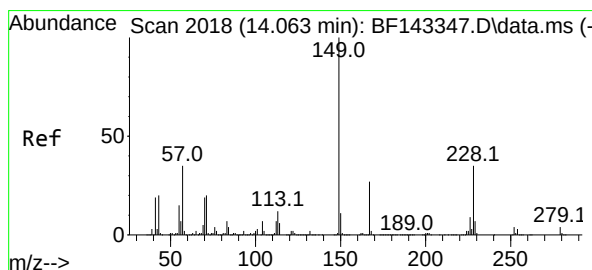
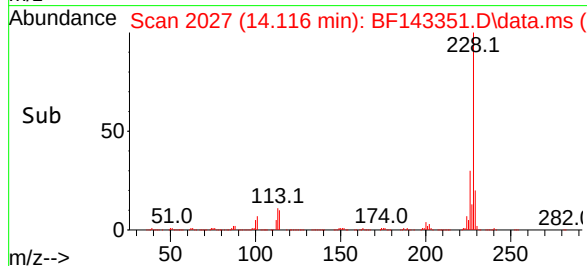
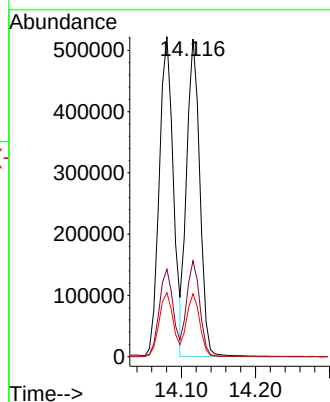
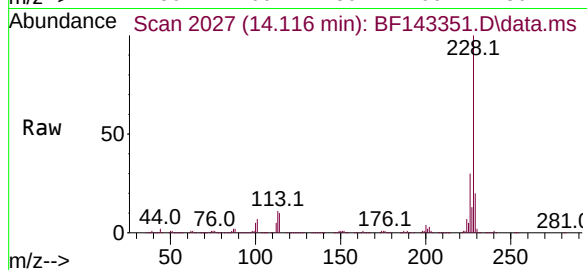
Tgt Ion:228 Resp: 639568

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.315 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

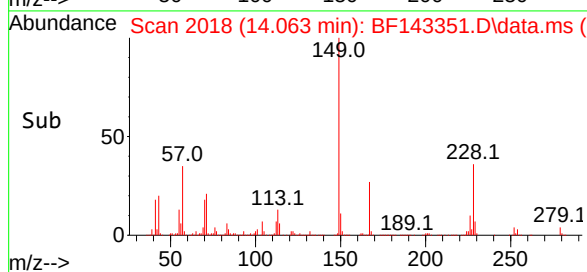
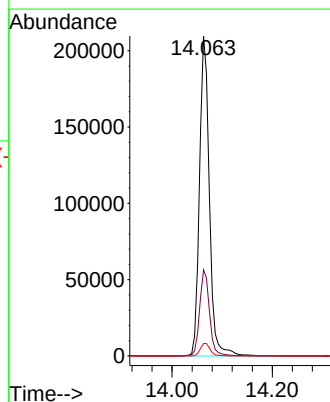
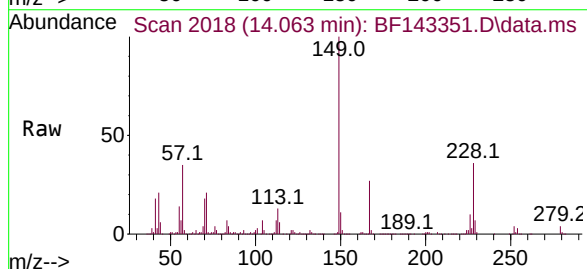
Tgt Ion:149 Resp: 285665

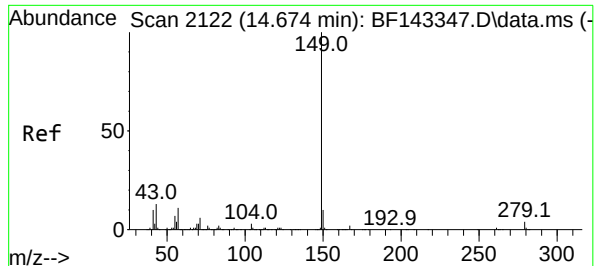
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 3.9 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 42.219 ng

RT: 14.674 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

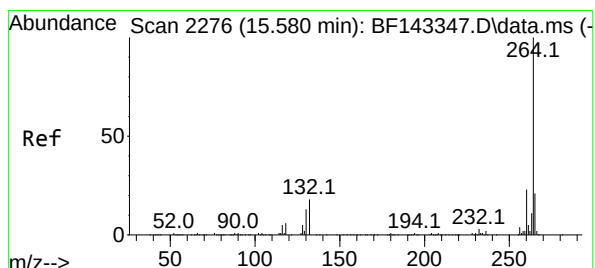
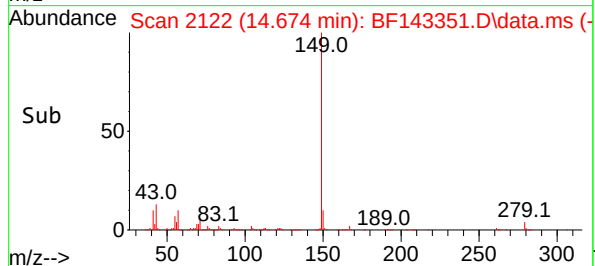
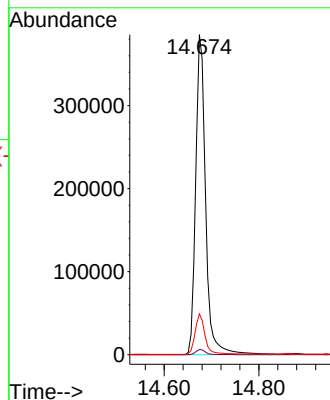
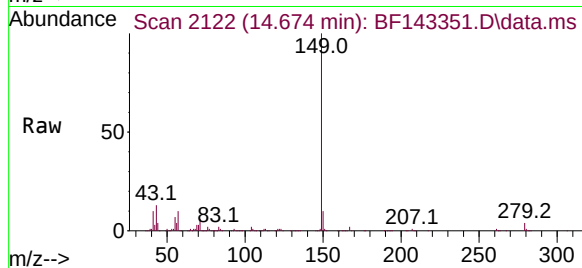
Tgt Ion:149 Resp: 563193

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 12.6 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2276

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

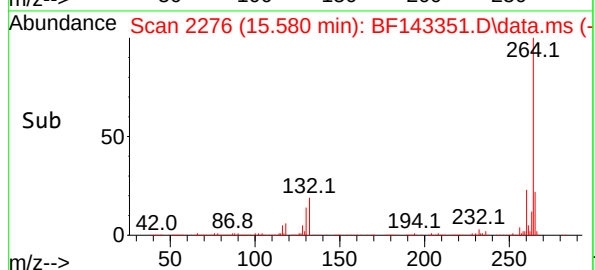
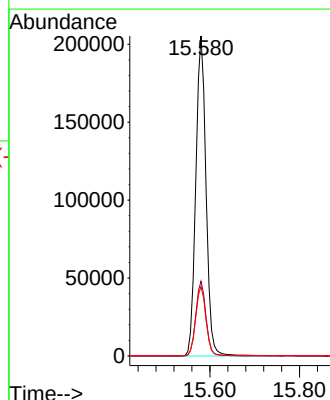
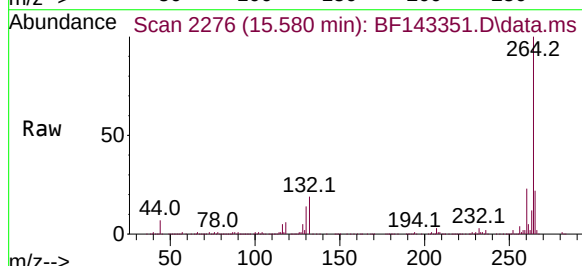
Tgt Ion:264 Resp: 324835

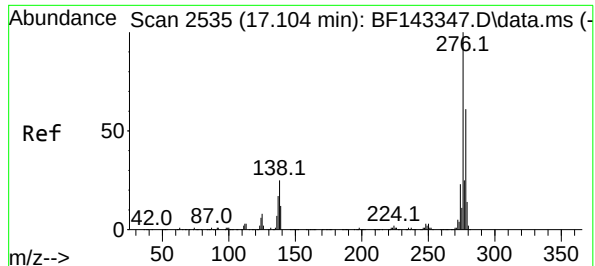
Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.7 17.2 25.8

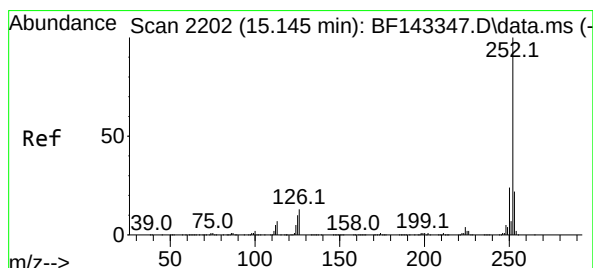
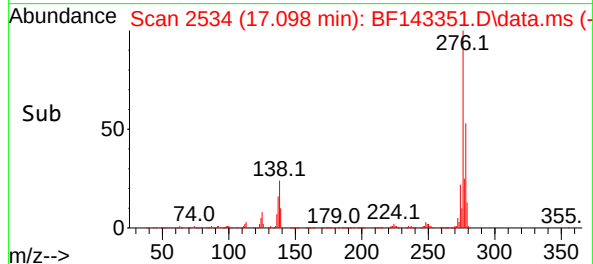
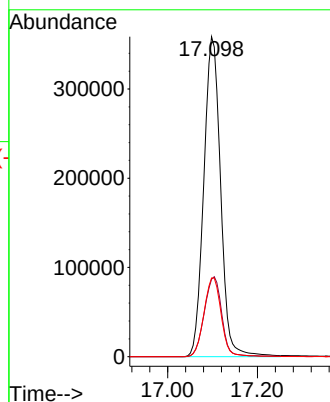
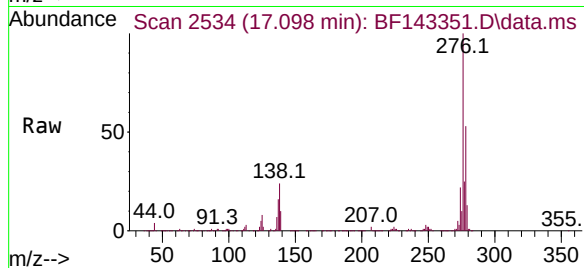




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.136 ng
RT: 17.098 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

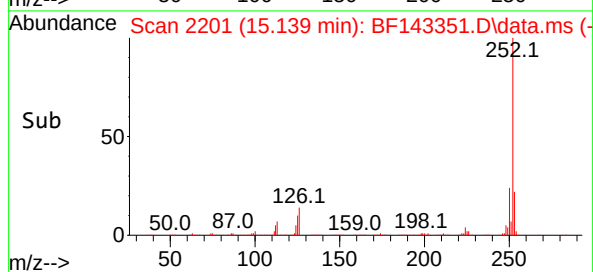
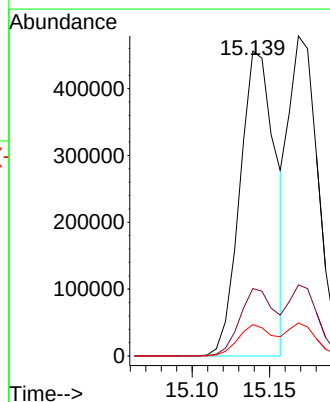
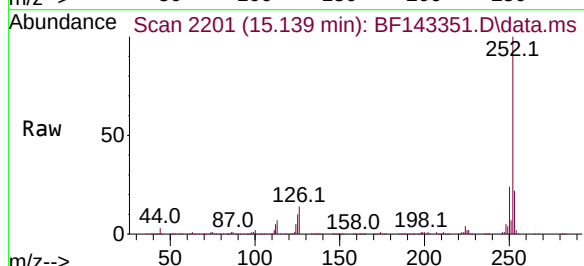
Instrument :
BNA_F
ClientSampleId :
ICVBF081225

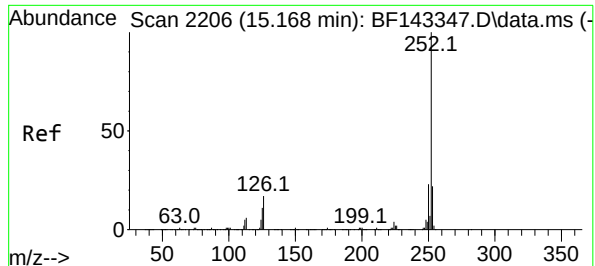
Tgt Ion:276 Resp: 934056
Ion Ratio Lower Upper
276 100
138 26.0 21.1 31.7
277 25.2 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 40.856 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:252 Resp: 725882
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 10.3 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 37.064 ng

RT: 15.169 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

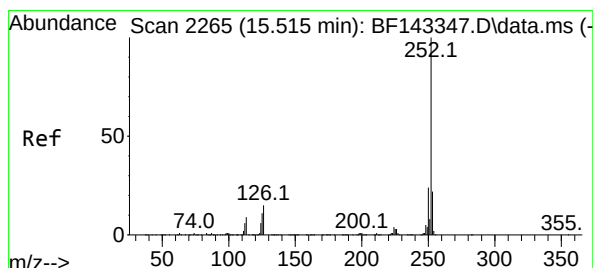
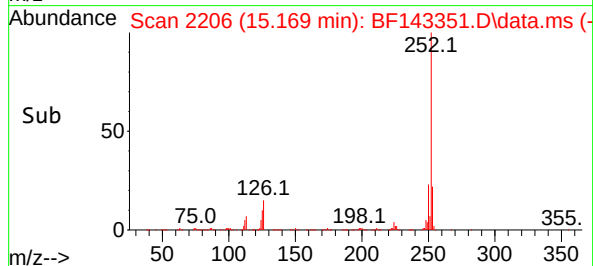
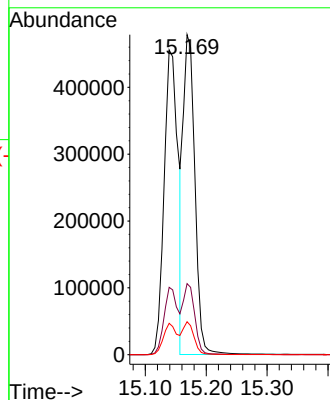
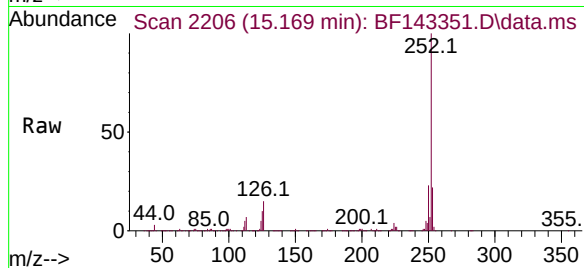
Tgt Ion:252 Resp: 639883

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.3 8.4 12.6



#90

Benzo(a)pyrene

Concen: 41.027 ng

RT: 15.516 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

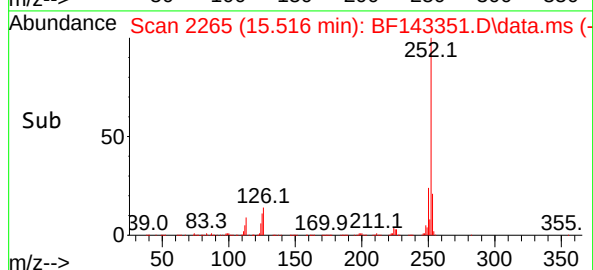
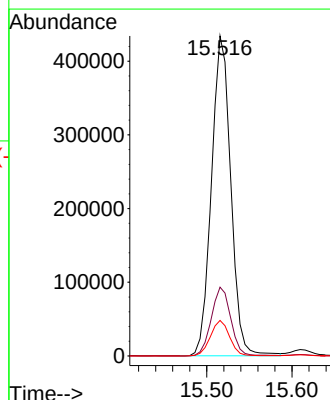
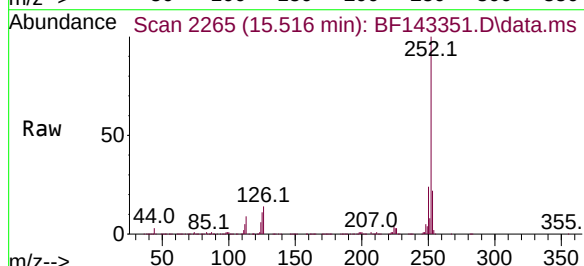
Tgt Ion:252 Resp: 686526

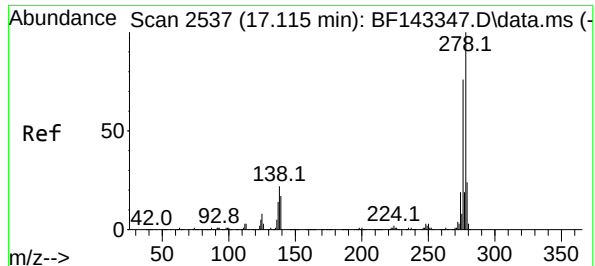
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 11.1 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 40.736 ng

RT: 17.115 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

Instrument :

BNA_F

ClientSampleId :

ICVBF081225

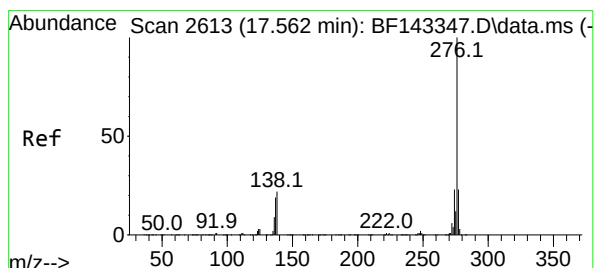
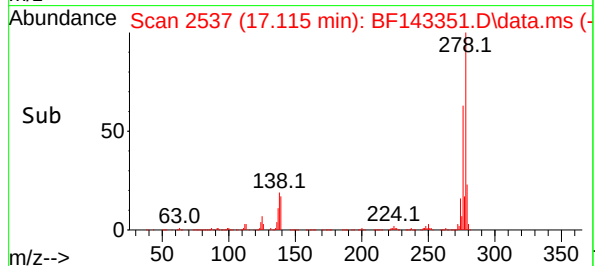
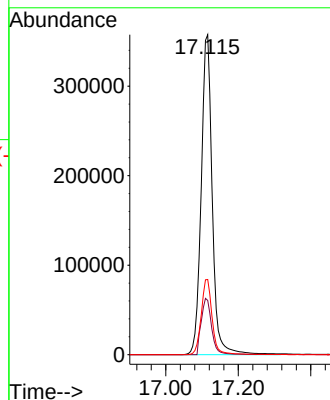
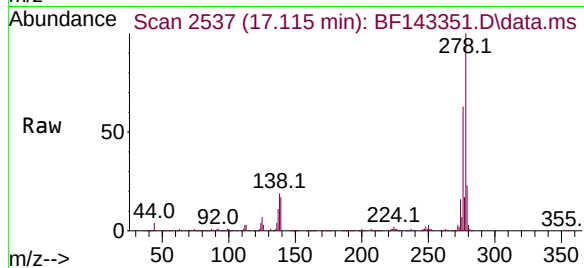
Tgt Ion:278 Resp: 757376

Ion Ratio Lower Upper

278 100

139 17.0 14.0 21.0

279 23.5 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 41.001 ng

RT: 17.557 min Scan# 2612

Delta R.T. -0.006 min

Lab File: BF143351.D

Acq: 12 Aug 2025 13:52

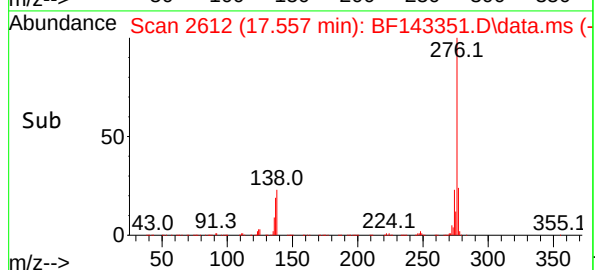
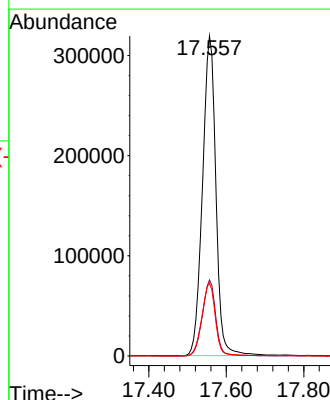
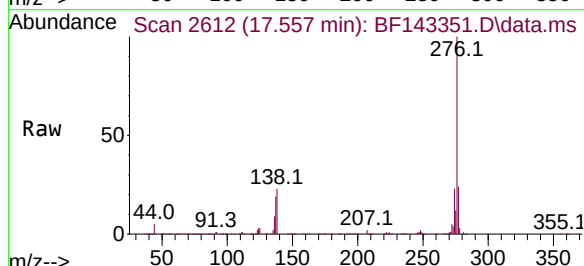
Tgt Ion:276 Resp: 767923

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 22.8 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
2	1,4-Dioxane	0.598	0.557	6.9	91	0.00
3	Pyridine	1.595	1.545	3.1	93	0.00
4	n-Nitrosodimethylamine	0.743	0.769	-3.5	99	0.00
5 S	2-Fluorophenol	1.157	1.115	3.6	92	0.00
6	Aniline	2.091	2.122	-1.5	97	0.00
7 S	Phenol-d6	1.483	1.409	5.0	91	0.00
8	2-Chlorophenol	1.236	1.268	-2.6	98	0.00
9	Benzaldehyde	0.980	0.989	-0.9	95	0.00
10 C	Phenol	1.757	1.768	-0.6	97	0.00
11	bis(2-Chloroethyl)ether	1.295	1.263	2.5	94	0.00
12	1,3-Dichlorobenzene	1.425	1.419	0.4	96	0.00
13 C	1,4-Dichlorobenzene	1.431	1.436	-0.3	99	0.00
14	1,2-Dichlorobenzene	1.358	1.371	-1.0	99	0.00
15	Benzyl Alcohol	1.063	1.125	-5.8	101	0.00
16	2,2'-oxybis(1-Chloropropane	2.312	2.300	0.5	97	0.00
17	2-Methylphenol	1.043	1.067	-2.3	98	0.00
18	Hexachloroethane	0.449	0.475	-5.8	100	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.915	0.1	98	0.00
20	3+4-Methylphenols	1.262	1.296	-2.7	98	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
22	Acetophenone	0.441	0.440	0.2	99	0.00
23 S	Nitrobenzene-d5	0.321	0.334	-4.0	96	0.00
24	Nitrobenzene	0.349	0.357	-2.3	96	0.00
25	Isophorone	0.656	0.651	0.8	98	0.00
26 C	2-Nitrophenol	0.118	0.150	-27.1#	115	0.00
27	2,4-Dimethylphenol	0.274	0.304	-10.9	105	0.00
28	bis(2-Chloroethoxy)methane	0.400	0.397	0.8	97	0.00
29 C	2,4-Dichlorophenol	0.267	0.276	-3.4	97	0.00
30	1,2,4-Trichlorobenzene	0.282	0.289	-2.5	101	0.00
31	Naphthalene	0.962	0.923	4.1	95	0.00
32	Benzoic acid	0.110	0.124	-12.7	111	0.00
33	4-Chloroaniline	0.347	0.387	-11.5	109	0.00
34 C	Hexachlorobutadiene	0.175	0.173	1.1	95	0.00
35	Caprolactam	0.075	0.079	-5.3	97	0.00
36 C	4-Chloro-3-methylphenol	0.280	0.285	-1.8	96	0.00
37	2-Methylnaphthalene	0.633	0.558	11.8	87	0.00
38	1-Methylnaphthalene	0.609	0.578	5.1	94	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	0.547	0.537	1.8	98	0.00
41 P	Hexachlorocyclopentadiene	0.158	0.237	-50.0#	140	0.00
42 S	2,4,6-Tribromophenol	0.146	0.155	-6.2	96	0.00
43 C	2,4,6-Trichlorophenol	0.311	0.333	-7.1	98	0.00
44	2,4,5-Trichlorophenol	0.351	0.362	-3.1	95	0.00
45 S	2-Fluorobiphenyl	1.179	1.093	7.3	95	0.00
46	1,1'-Biphenyl	1.414	1.372	3.0	97	0.00
47	2-Chloronaphthalene	1.114	1.061	4.8	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.284	0.336	-18.3	107	0.00
49	Acenaphthylene	1.608	1.709	-6.3	106	0.00
50	Dimethylphthalate	1.169	1.172	-0.3	98	0.00
51	2,6-Dinitrotoluene	0.193	0.248	-28.5#	115	0.00
52 C	Acenaphthene	1.069	1.013	5.2	95	0.00
53	3-Nitroaniline	0.239	0.285	-19.2	108	0.00
54 P	2,4-Dinitrophenol	0.065	0.082	-26.2#	123	0.00
55	Dibenzofuran	1.539	1.487	3.4	97	0.00
56 P	4-Nitrophenol	0.163	0.183	-12.3	104	0.00
57	2,4-Dinitrotoluene	0.256	0.317	-23.8	108	0.00
58	Fluorene	1.175	1.117	4.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	0.236	0.296	-25.4#	115	0.00
60	Diethylphthalate	1.047	1.055	-0.8	96	0.00
61	4-Chlorophenyl-phenylether	0.568	0.541	4.8	95	0.00
62	4-Nitroaniline	0.232	0.257	-10.8	102	0.00
63	Azobenzene	1.196	1.187	0.8	98	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	0.069	0.086	-24.6	119	0.00
66 c	n-Nitrosodiphenylamine	0.659	0.650	1.4	97	0.00
67	4-Bromophenyl-phenylether	0.229	0.226	1.3	96	0.00
68	Hexachlorobenzene	0.247	0.237	4.0	95	0.00
69	Atrazine	0.172	0.176	-2.3	97	0.00
70 C	Pentachlorophenol	0.101	0.107	-5.9	97	0.00
71	Phenanthrene	1.091	1.046	4.1	95	0.00
72	Anthracene	1.107	1.074	3.0	97	0.00
73	Carbazole	0.942	0.916	2.8	96	0.00
74	Di-n-butylphthalate	0.798	0.859	-7.6	97	0.00
75 C	Fluoranthene	0.956	0.897	6.2	96	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77	Benzydine	0.547	0.600	-9.7	98	0.00
78	Pyrene	1.678	1.650	1.7	96	0.00
79 S	Terphenyl-d14	1.120	1.095	2.2	97	0.00
80	Butylbenzylphthalate	0.284	0.336	-18.3	107	0.00
81	Benzo(a)anthracene	1.271	1.238	2.6	95	0.00
82	3,3'-Dichlorobenzidine	0.343	0.397	-15.7	105	0.00
83	Chrysene	1.185	1.141	3.7	94	0.00
84	Bis(2-ethylhexyl)phthalate	0.403	0.510	-26.6#	112	0.00
85 c	Di-n-octyl phthalate	0.860	1.005	-16.9	109	0.00
86 I	Perylene-d12	1.000	1.000	0.0	99	0.00
87	Indeno(1,2,3-cd)pyrene	1.433	1.438	-0.3	98	0.00
88	Benzo(b)fluoranthene	1.094	1.117	-2.1	99	0.00
89	Benzo(k)fluoranthene	1.063	0.985	7.3	94	0.00
90 C	Benzo(a)pyrene	1.030	1.057	-2.6	101	0.00
91	Dibenzo(a,h)anthracene	1.145	1.166	-1.8	99	0.00
92	Benzo(g,h,i)perylene	1.153	1.182	-2.5	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
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Instrument :
BNA_F
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ICVBF081225

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	97	0.00
2	1,4-Dioxane	40.000	37.259	6.9	91	0.00
3	Pyridine	40.000	38.741	3.1	93	0.00
4	n-Nitrosodimethylamine	40.000	41.403	-3.5	99	0.00
5 S	2-Fluorophenol	80.000	77.155	3.6	92	0.00
6	Aniline	40.000	40.597	-1.5	97	0.00
7 S	Phenol-d6	80.000	75.986	5.0	91	0.00
8	2-Chlorophenol	40.000	41.033	-2.6	98	0.00
9	Benzaldehyde	40.000	40.346	-0.9	95	0.00
10 C	Phenol	40.000	40.258	-0.6	97	0.00
11	bis(2-Chloroethyl)ether	40.000	39.024	2.4	94	0.00
12	1,3-Dichlorobenzene	40.000	39.813	0.5	96	0.00
13 C	1,4-Dichlorobenzene	40.000	40.160	-0.4	99	0.00
14	1,2-Dichlorobenzene	40.000	40.389	-1.0	99	0.00
15	Benzyl Alcohol	40.000	42.327	-5.8	101	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.787	0.5	97	0.00
17	2-Methylphenol	40.000	40.922	-2.3	98	0.00
18	Hexachloroethane	40.000	42.342	-5.9	100	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.940	0.2	98	0.00
20	3+4-Methylphenols	40.000	41.105	-2.8	98	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	97	0.00
22	Acetophenone	40.000	39.985	0.0	99	0.00
23 S	Nitrobenzene-d5	80.000	83.164	-4.0	96	0.00
24	Nitrobenzene	40.000	40.919	-2.3	96	0.00
25	Isophorone	40.000	39.728	0.7	98	0.00
26 C	2-Nitrophenol	40.000	43.318	-8.3	115	0.00
27	2,4-Dimethylphenol	40.000	44.394	-11.0	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.714	0.7	97	0.00
29 C	2,4-Dichlorophenol	40.000	41.289	-3.2	97	0.00
30	1,2,4-Trichlorobenzene	40.000	41.017	-2.5	101	0.00
31	Naphthalene	40.000	38.372	4.1	95	0.00
32	Benzoic acid	40.000	43.285	-8.2	111	0.00
33	4-Chloroaniline	40.000	44.618	-11.5	109	0.00
34 C	Hexachlorobutadiene	40.000	39.366	1.6	95	0.00
35	Caprolactam	40.000	41.892	-4.7	97	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.717	-1.8	96	0.00
37	2-Methylnaphthalene	40.000	35.270	11.8	87	0.00
38	1-Methylnaphthalene	40.000	37.970	5.1	94	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.218	2.0	98	0.00
41 P	Hexachlorocyclopentadiene	40.000	51.644	-29.1#	140	0.00
42 S	2,4,6-Tribromophenol	80.000	84.868	-6.1	96	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.843	-7.1	98	0.00
44	2,4,5-Trichlorophenol	40.000	41.305	-3.3	95	0.00
45 S	2-Fluorobiphenyl	80.000	74.116	7.4	95	0.00
46	1,1'-Biphenyl	40.000	38.812	3.0	97	0.00
47	2-Chloronaphthalene	40.000	38.093	4.8	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.167	-5.4	107	0.00
49	Acenaphthylene	40.000	42.507	-6.3	106	0.00
50	Dimethylphthalate	40.000	40.126	-0.3	98	0.00
51	2,6-Dinitrotoluene	40.000	45.012	-12.5	115	0.00
52 C	Acenaphthene	40.000	37.893	5.3	95	0.00
53	3-Nitroaniline	40.000	47.593	-19.0	108	0.00
54 P	2,4-Dinitrophenol	40.000	45.910	-14.8	123	0.00
55	Dibenzofuran	40.000	38.652	3.4	97	0.00
56 P	4-Nitrophenol	40.000	41.060	-2.7	104	0.00
57	2,4-Dinitrotoluene	40.000	43.458	-8.6	108	0.00
58	Fluorene	40.000	38.022	4.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	50.091	-25.2#	115	0.00
60	Diethylphthalate	40.000	40.317	-0.8	96	0.00
61	4-Chlorophenyl-phenylether	40.000	38.123	4.7	95	0.00
62	4-Nitroaniline	40.000	44.317	-10.8	102	0.00
63	Azobenzene	40.000	39.721	0.7	98	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.535	-8.8	119	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.468	1.3	97	0.00
67	4-Bromophenyl-phenylether	40.000	39.466	1.3	96	0.00
68	Hexachlorobenzene	40.000	38.460	3.8	95	0.00
69	Atrazine	40.000	40.936	-2.3	97	0.00
70 C	Pentachlorophenol	40.000	38.771	3.1	97	0.00
71	Phenanthrene	40.000	38.330	4.2	95	0.00
72	Anthracene	40.000	38.834	2.9	97	0.00
73	Carbazole	40.000	38.877	2.8	96	0.00
74	Di-n-butylphthalate	40.000	43.060	-7.7	97	0.00
75 C	Fluoranthene	40.000	37.543	6.1	96	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	97	0.00
77	Benzydine	40.000	43.872	-9.7	98	0.00
78	Pyrene	40.000	39.329	1.7	96	0.00
79 S	Terphenyl-d14	80.000	78.222	2.2	97	0.00
80	Butylbenzylphthalate	40.000	41.012	-2.5	107	0.00
81	Benzo(a)anthracene	40.000	38.956	2.6	95	0.00
82	3,3'-Dichlorobenzidine	40.000	46.252	-15.6	105	0.00
83	Chrysene	40.000	38.503	3.7	94	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.315	-5.8	112	0.00
85 c	Di-n-octyl phthalate	40.000	42.219	-5.5	109	0.00
86 I	Perylene-d12	20.000	20.000	0.0	99	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.136	-0.3	98	0.00
88	Benzo(b)fluoranthene	40.000	40.856	-2.1	99	0.00
89	Benzo(k)fluoranthene	40.000	37.064	7.3	94	0.00
90 C	Benzo(a)pyrene	40.000	41.027	-2.6	101	0.00
91	Dibenzo(a,h)anthracene	40.000	40.736	-1.8	99	0.00
92	Benzo(g,h,i)perylene	40.000	41.001	-2.5	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025
Response Via : Initial Calibration

Calibration Files

2.5 =BF143477.D 5 =BF143478.D 10 =BF143479.D 20 =BF143480.D 40 =BF143481.D 50 =BF143482.D 60 =BF143483.D 80 =BF143484.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.528	0.529	0.539	0.536	0.519	0.542	0.522	0.531	1.62
3) Pyridine		1.339	1.392	1.435	1.438	1.389	1.477	1.421	1.413	3.13
4) n-Nitrosodimet...			0.604	0.619	0.641	0.633	0.666	0.648	0.635	3.44
5) S 2-Fluorophenol		1.203	1.198	1.194	1.138	1.087	1.137	1.061	1.145	4.92
6) Aniline		2.034	1.969	1.959	1.890	1.800	1.864	1.714	1.890	5.78
7) S Phenol-d6		1.536	1.460	1.471	1.407	1.342	1.384	1.299	1.414	5.76
8) 2-Chlorophenol		1.301	1.284	1.302	1.268	1.229	1.270	1.202	1.265	2.94
9) Benzaldehyde			1.008	0.981	1.200	1.133	1.402		1.145	14.80
10) C Phenol		1.741	1.695	1.725	1.646	1.554	1.593	1.449	1.629	6.43
11) bis(2-Chloroet...		1.296	1.230	1.235	1.213	1.170	1.221	1.156	1.217	3.78
12) 1,3-Dichlorobe...		1.558	1.451	1.466	1.414	1.345	1.399	1.317	1.421	5.65
13) C 1,4-Dichlorobe...		1.531	1.487	1.483	1.411	1.355	1.409	1.304	1.426	5.62
14) 1,2-Dichlorobe...		1.448	1.413	1.386	1.348	1.289	1.333	1.233	1.350	5.45
15) Benzyl Alcohol			1.037	1.063	1.083	1.040	1.088	1.041	1.059	2.14
16) 2,2'-oxybis(1-...		2.144	2.104	2.053	1.954	1.805	1.868	1.703	1.947	8.40
17) 2-Methylphenol		1.052	1.042	1.056	1.011	0.975	1.011	0.960	1.015	3.67
18) Hexachloroethane		0.495	0.498	0.502	0.491	0.462	0.489	0.456	0.485	3.79
19) P n-Nitroso-di-n...	0.922	0.943	0.912	0.879	0.844	0.800	0.832	0.781	0.864	6.86
20) 3+4-Methylphenols			1.337	1.320	1.218	1.143	1.178	1.076	1.212	8.40
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.489	0.464	0.459	0.418	0.402	0.410	0.382	0.432	8.99
23) S Nitrobenzene-d5		0.354	0.345	0.357	0.344	0.335	0.340	0.325	0.343	3.18
24) Nitrobenzene		0.353	0.351	0.366	0.356	0.348	0.358	0.337	0.353	2.55
25) Isophorone		0.666	0.630	0.644	0.621	0.608	0.625	0.603	0.628	3.41
26) C 2-Nitrophenol		0.162	0.165	0.177	0.177	0.175	0.180	0.173	0.173	3.76
27) 2,4-Dimethylph...		0.283	0.272	0.281	0.270	0.262	0.265	0.251	0.269	4.11
28) bis(2-Chloroet...		0.409	0.399	0.401	0.386	0.371	0.379	0.357	0.386	4.74
29) C 2,4-Dichloroph...		0.293	0.299	0.303	0.288	0.281	0.283	0.266	0.288	4.30
30) 1,2,4-Trichlor...		0.318	0.300	0.314	0.292	0.282	0.291	0.274	0.296	5.46
31) Naphthalene		1.069	1.009	1.014	0.943	0.907	0.921	0.859	0.960	7.58
32) Benzoic acid			0.086	0.116	0.145	0.153	0.163	0.160	0.137	21.97
33) 4-Chloroaniline		0.359	0.345	0.362	0.343	0.331	0.330	0.315	0.341	4.87
34) C Hexachlorobuta...		0.207	0.199	0.201	0.192	0.186	0.190	0.177	0.193	5.21
35) Caprolactam			0.063	0.068	0.071	0.071	0.070	0.072	0.069	4.96
36) C 4-Chloro-3-met...		0.303	0.292	0.303	0.287	0.280	0.284	0.269	0.288	4.25
37) 2-Methylnaphth...		0.716	0.684	0.684	0.633	0.600	0.610	0.562	0.641	8.62
38) 1-Methylnaphth...		0.692	0.651	0.650	0.603	0.577	0.581	0.540	0.613	8.62

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

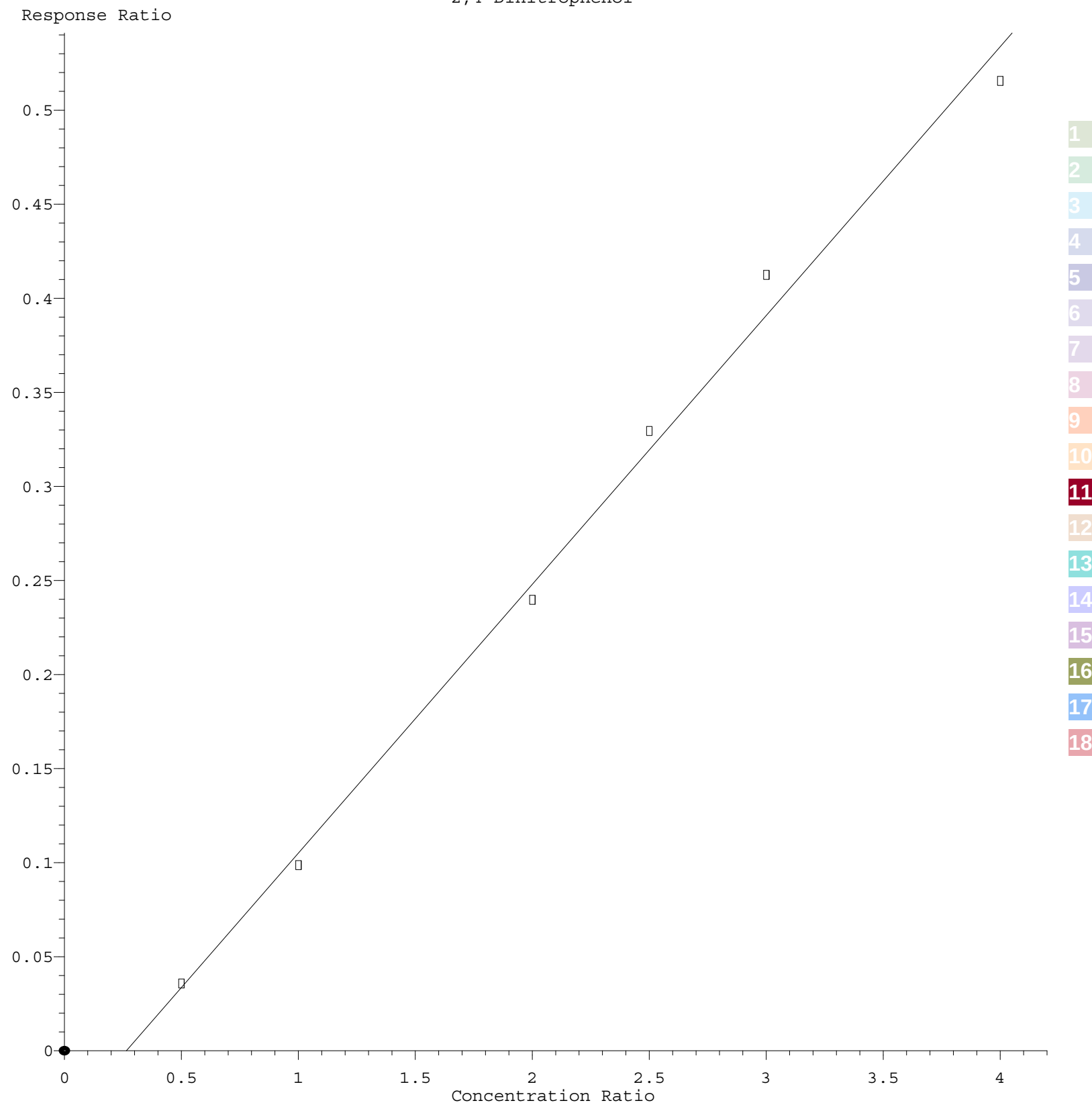
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.629	0.584	0.613	0.565	0.544	0.552	0.517	0.572	6.88	
41) P	Hexachlorocycl...	0.098	0.153	0.198	0.205	0.226	0.222	0.184	26.99		
42) S	2,4,6-Tribromo...	0.191	0.188	0.194	0.188	0.181	0.184	0.177	0.186	3.12	
43) C	2,4,6-Trichlor...	0.338	0.347	0.364	0.364	0.351	0.360	0.339	0.352	3.18	
44)	2,4,5-Trichlor...	0.391	0.376	0.413	0.382	0.377	0.387	0.365	0.385	3.94	
45) S	2-Fluorobiphenyl	1.445	1.336	1.323	1.156	1.106	1.106	0.999	1.210	13.20	
46)	1,1'-Biphenyl	1.582	1.505	1.519	1.399	1.335	1.349	1.247	1.420	8.43	
47)	2-Chloronaphth...	1.222	1.165	1.172	1.105	1.056	1.068	1.008	1.114	6.77	
48)	2-Nitroaniline	0.314	0.313	0.338	0.337	0.329	0.331	0.320	0.326	3.19	
49)	Acenaphthylene	1.747	1.663	1.687	1.580	1.516	1.533	1.437	1.595	6.85	
50)	Dimethylphthalate	1.293	1.219	1.252	1.201	1.159	1.175	1.133	1.205	4.58	
51)	2,6-Dinitrotol...	0.224	0.237	0.259	0.259	0.260	0.257	0.251	0.250	5.63	
52) C	Acenaphthene	1.170	1.131	1.137	1.076	1.037	1.044	0.985	1.083	6.07	
53)	3-Nitroaniline	0.260	0.257	0.280	0.278	0.273	0.271	0.269	0.270	3.21	
54) P	2,4-Dinitrophenol	0.072	0.099	0.120	0.132	0.137	0.129	0.115	21.92		
55)	Dibenzofuran	1.717	1.625	1.647	1.523	1.461	1.453	1.381	1.544	7.91	
56) P	4-Nitrophenol	0.115	0.147	0.171	0.177	0.172	0.181	0.161	15.78		
57)	2,4-Dinitrotol...	0.292	0.318	0.349	0.351	0.344	0.344	0.336	0.333	6.38	
58)	Fluorene	1.367	1.286	1.270	1.158	1.111	1.102	1.025	1.188	10.25	
59)	2,3,4,6-Tetrac...	0.261	0.264	0.299	0.297	0.294	0.297	0.288	0.286	5.59	
60)	Diethylphthalate	1.172	1.097	1.110	1.084	1.053	1.036	1.008	1.080	5.01	
61)	4-Chlorophenyl...	0.671	0.624	0.628	0.585	0.558	0.567	0.527	0.594	8.30	
62)	4-Nitroaniline	0.230	0.237	0.258	0.257	0.255	0.248	0.250	0.248	4.28	
63)	Azobenzene	1.221	1.154	1.177	1.122	1.080	1.067	1.018	1.120	6.26	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.085	0.103	0.119	0.120	0.124	0.126	0.113	13.97		
66) c	n-Nitrosodiphe...	0.684	0.661	0.679	0.641	0.615	0.636	0.590	0.644	5.29	
67)	4-Bromophenyl-...	0.243	0.240	0.250	0.241	0.230	0.240	0.227	0.239	3.35	
68)	Hexachlorobenzene	0.266	0.262	0.267	0.257	0.248	0.256	0.243	0.257	3.53	
69)	Atrazine	0.154	0.156	0.164	0.168	0.171	0.174	0.176	0.166	5.09	
70) C	Pentachlorophenol	0.088	0.106	0.124	0.127	0.131	0.131	0.118	14.47		
71)	Phenanthrene	1.188	1.123	1.130	1.039	1.015	1.033	0.969	1.071	7.23	
72)	Anthracene	1.191	1.144	1.148	1.074	1.022	1.036	0.980	1.085	7.16	
73)	Carbazole	0.949	0.925	0.932	0.882	0.849	0.861	0.825	0.889	5.30	
74)	Di-n-butylphth...	0.782	0.800	0.830	0.850	0.833	0.857	0.855	0.829	3.47	
75) C	Fluoranthene	1.061	1.020	1.002	0.946	0.914	0.923	0.862	0.961	7.21	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.611	0.665	0.516	0.391	0.368	0.372	0.487	26.70		
78)	Pyrene	1.891	1.768	1.793	1.635	1.590	1.512	1.327	1.645	11.63	
79) S	Terphenyl-d14	1.341	1.255	1.248	1.130	1.094	1.052	0.904	1.146	12.86	
80)	Butylbenzylpht...	0.380	0.402	0.443	0.467	0.461	0.509	0.485	0.449	10.15	
81)	Benzo(a)anthra...	1.302	1.274	1.300	1.318	1.266	1.316	1.237	1.288	2.30	
82)	3,3'-Dichlorob...	0.353	0.386	0.373	0.354	0.377	0.370	0.369	3.60		
83)	Chrysene	1.251	1.195	1.213	1.113	1.089	1.125	1.114	1.157	5.33	
84)	Bis(2-ethylhex...	0.600	0.626	0.699	0.710	0.690	0.767	0.700	0.685	8.12	
85) c	Di-n-octyl pht...	1.129	1.289	1.298	1.251	1.413	1.228	1.268	7.36		

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

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.425	1.433	1.565	1.449	1.427	1.466	1.295	1.437	5.51
88)	Benzo(b)fluora...	1.135	1.147	1.182	1.074	1.058	1.068	1.119	1.112	4.20
89)	Benzo(k)fluora...	1.157	1.014	1.056	1.081	1.034	1.104	1.005	1.064	5.10
90) C	Benzo(a)pyrene	1.033	1.021	1.074	1.032	1.010	1.043	1.011	1.032	2.15
91)	Dibenzo(a,h)an...	1.139	1.164	1.260	1.162	1.142	1.168	1.023	1.151	6.04
92)	Benzo(g,h,i)pe...	1.128	1.129	1.242	1.156	1.145	1.172	1.039	1.145	5.30

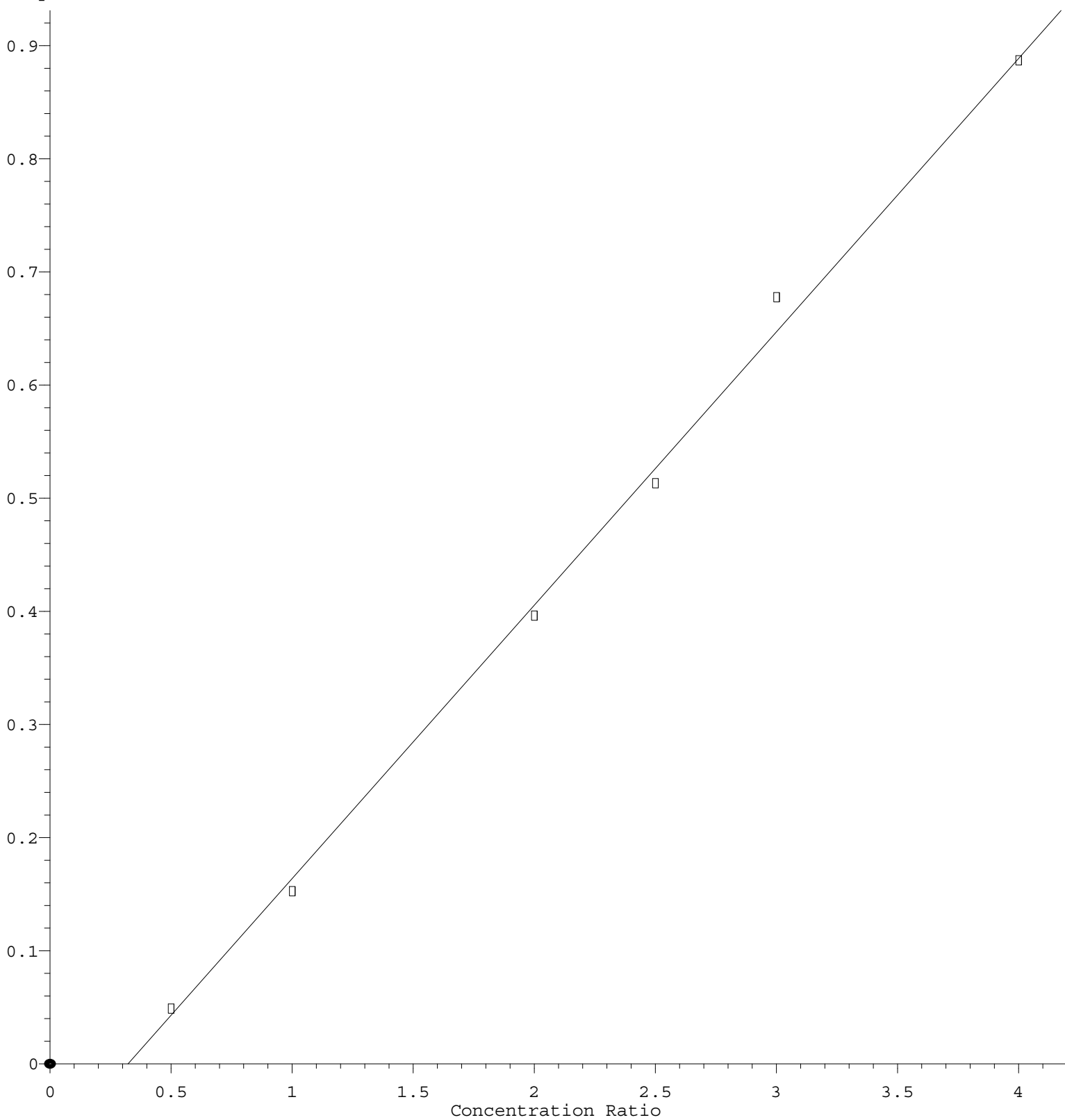
(#) = Out of Range

2,4-Dinitrophenol



Hexachlorocyclopentadiene

Response Ratio



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143477.D
Acq On : 20 Aug 2025 10:55
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 20 16:19:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

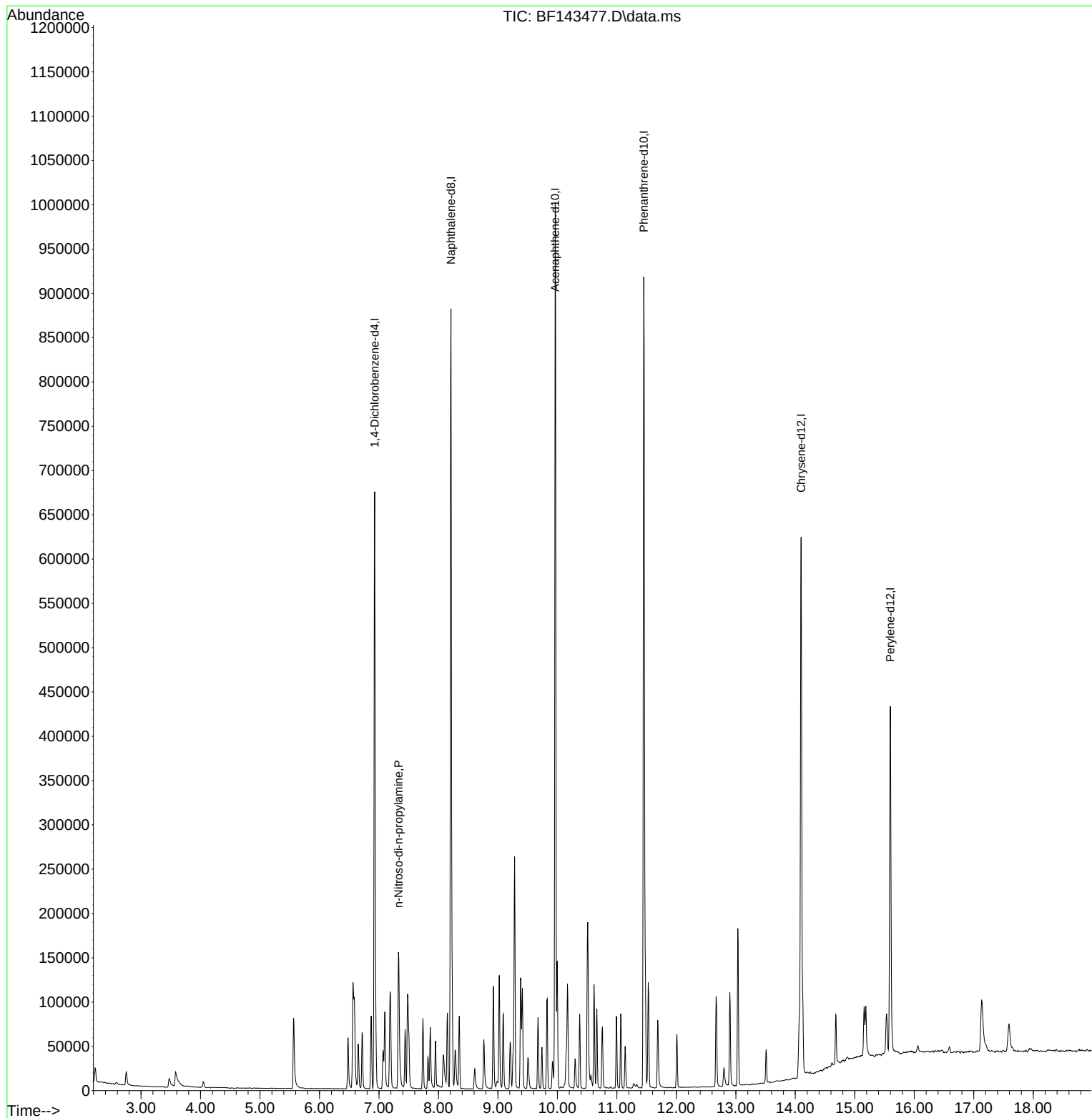
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	139562	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	543954	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	302590	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	471116	20.000	ng	0.00
76) Chrysene-d12	14.098	240	283668	20.000	ng	0.00
86) Perylene-d12	15.598	264	247340	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.328	70	16082	2.667	ng	Qvalue 96

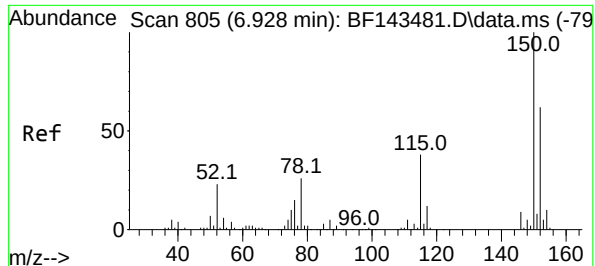
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143477.D
Acq On : 20 Aug 2025 10:55
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 20 16:19:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.928 min Scan# 80

Delta R.T. -0.000 min

Lab File: BF143477.D

Acq: 20 Aug 2025 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

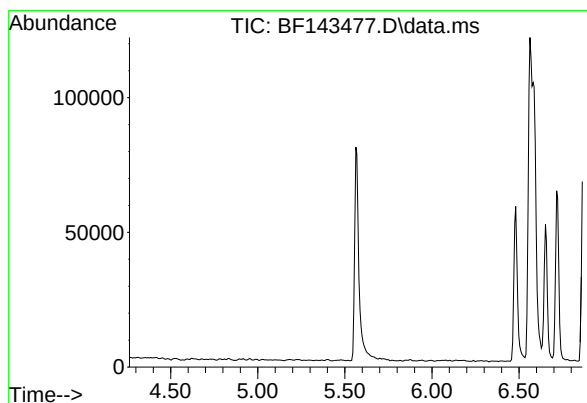
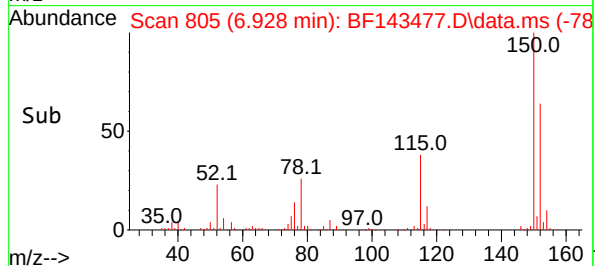
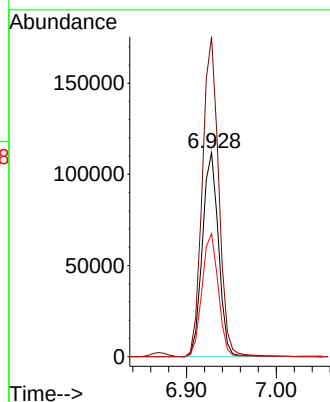
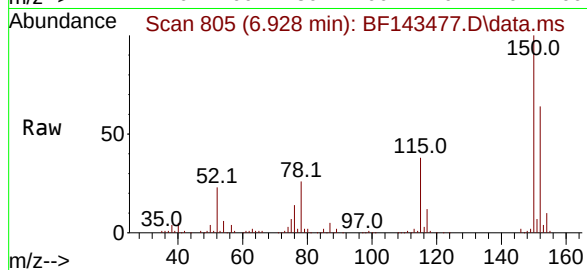
Tgt Ion:152 Resp: 139562

Ion Ratio Lower Upper

152 100

150 156.9 128.9 193.3

115 60.4 49.2 73.8



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.56 min

Lab File: BF143477.D

Acq: 20 Aug 2025 10:55

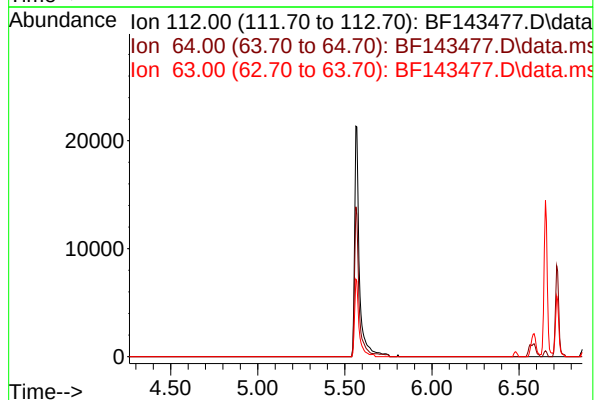
Tgt Ion: 112

Sig Exp Ratio

112 100

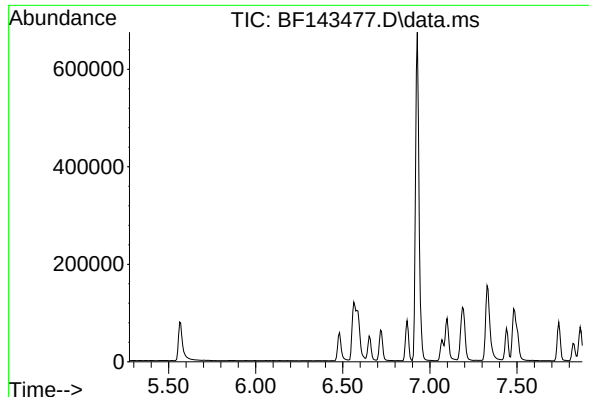
64 63.0

63 33.0



Ion 64.00 (63.70 to 64.70): BF143477.D\data.ms

Ion 63.00 (62.70 to 63.70): BF143477.D\data.ms



#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.57 min

Lab File: BF143477.D

Acq: 20 Aug 2025 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

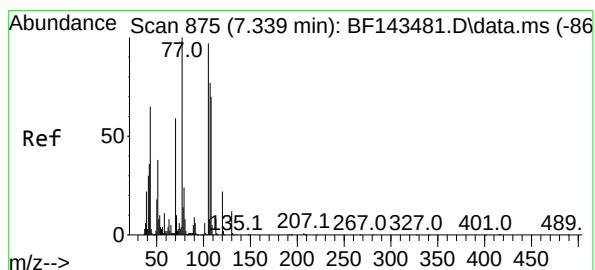
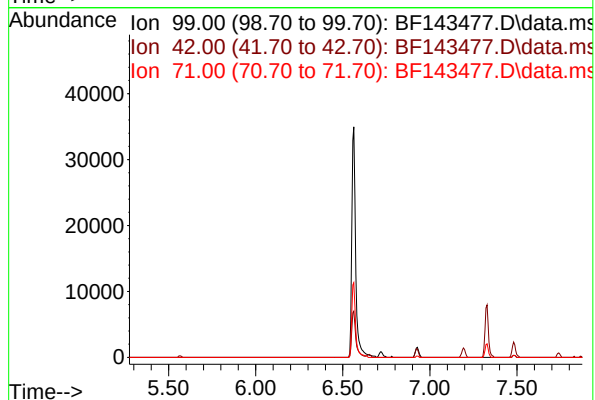
Tgt Ion: 99

Sig Exp Ratio

99 100

42 20.4

71 35.2



#19

n-Nitroso-di-n-propylamine

Concen: 2.667 ng

RT: 7.328 min Scan# 873

Delta R.T. -0.023 min

Lab File: BF143477.D

Acq: 20 Aug 2025 10:55

Tgt Ion: 70 Resp: 16082

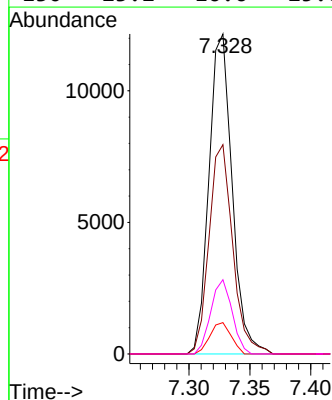
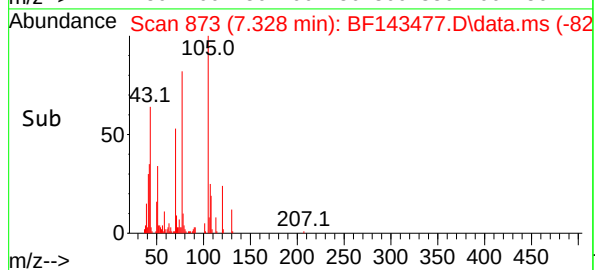
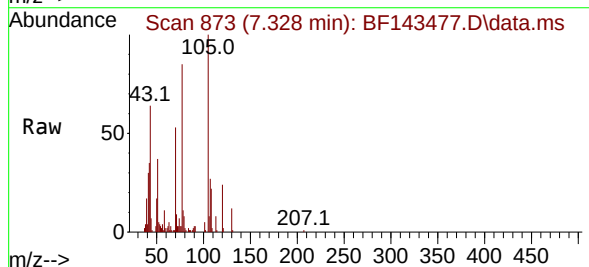
Ion Ratio Lower Upper

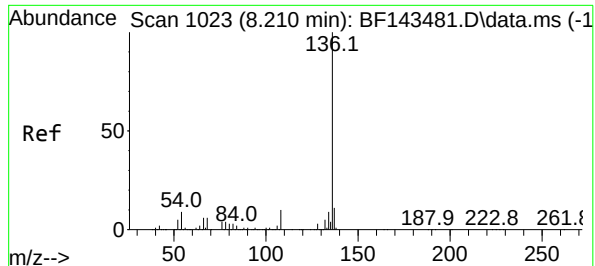
70 100

42 65.4 49.3 73.9

101 9.8 7.8 11.8

130 23.2 16.6 25.0

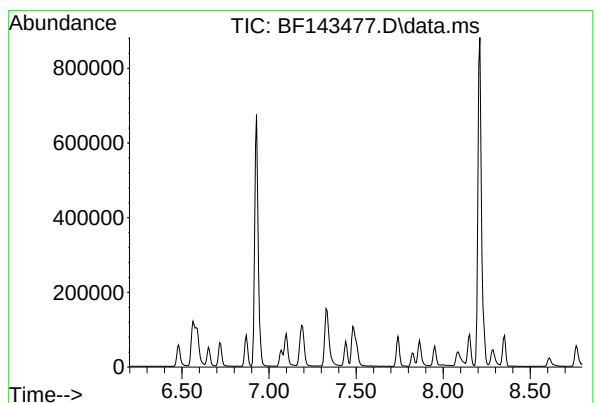
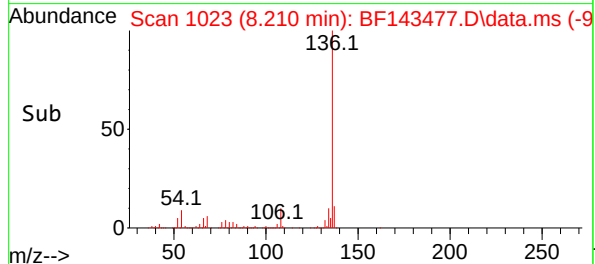
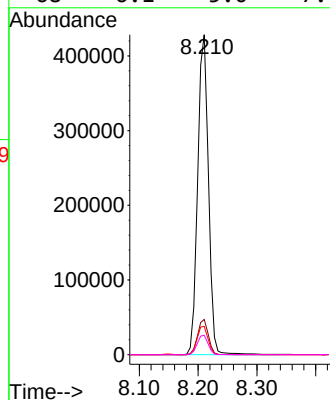
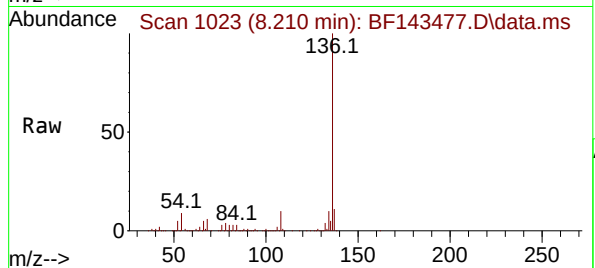




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

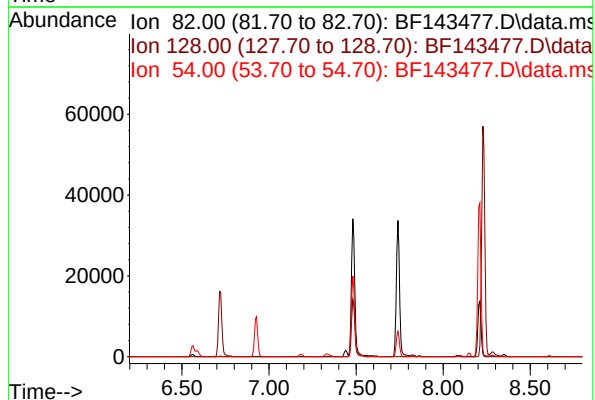
Tgt Ion:136 Resp: 543954
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.9 7.4 11.2
68 6.1 5.0 7.4

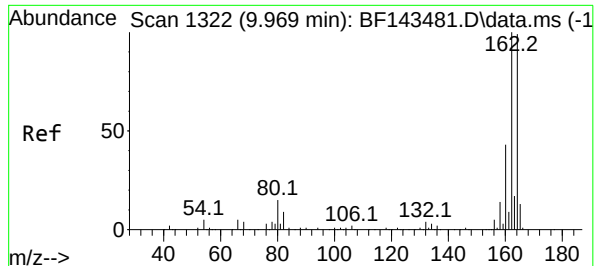


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.50 min

Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Tgt Ion: 82
Sig Exp Ratio
82 100
128 44.4
54 55.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143477.D

Acq: 20 Aug 2025 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

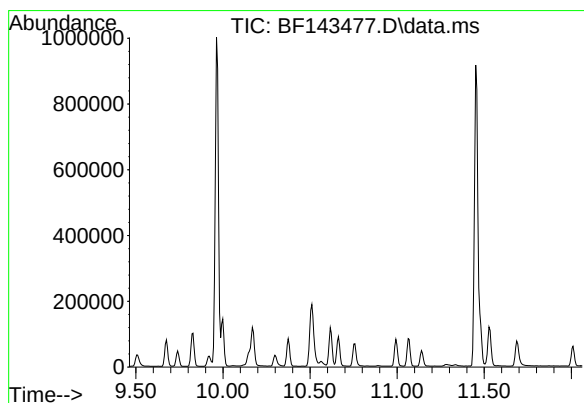
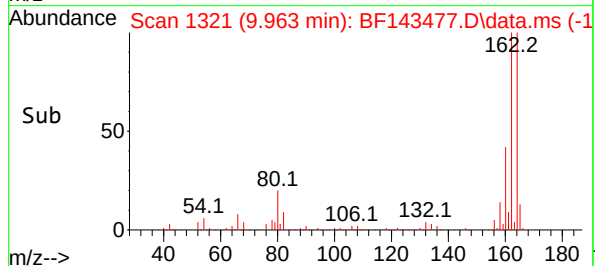
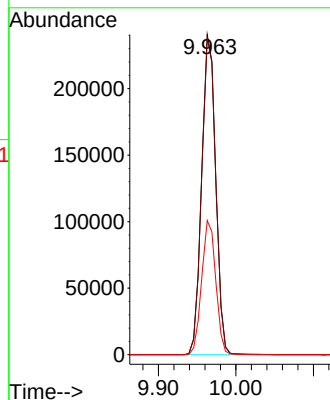
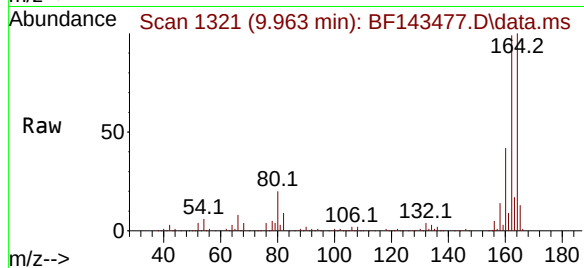
Tgt Ion:164 Resp: 302590

Ion Ratio Lower Upper

164 100

162 99.0 80.5 120.7

160 41.9 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.76 min

Lab File: BF143477.D

Acq: 20 Aug 2025 10:55

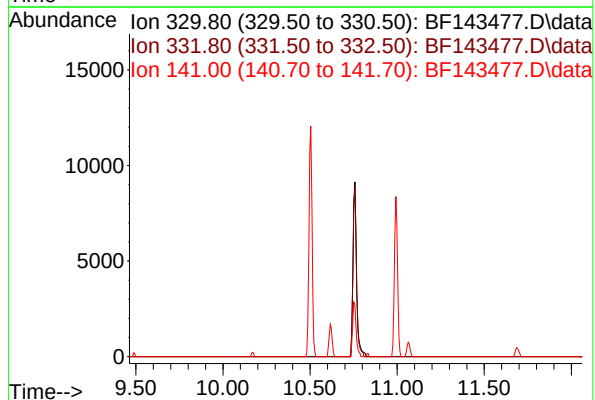
Tgt Ion: 330

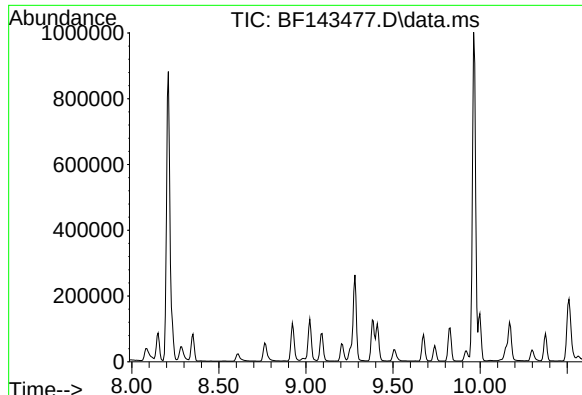
Sig Exp Ratio

330 100

332 97.5

141 29.6



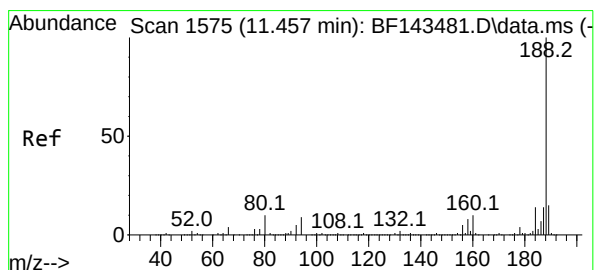
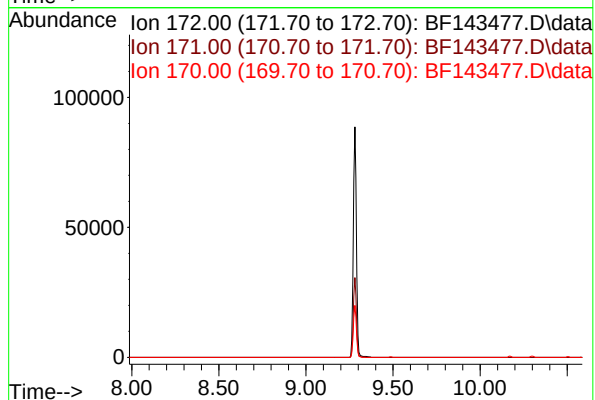


#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.29 min

Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

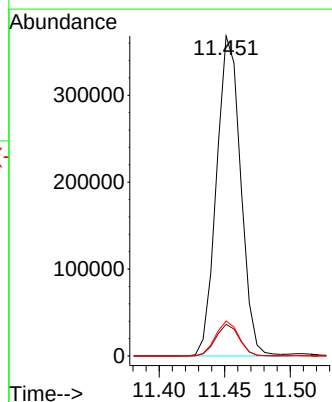
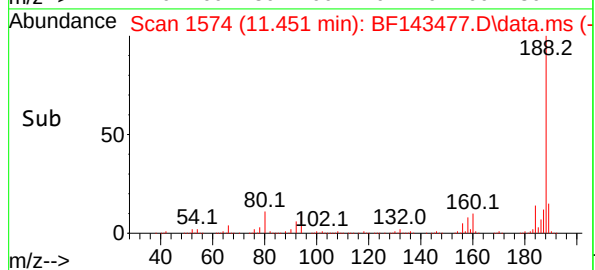
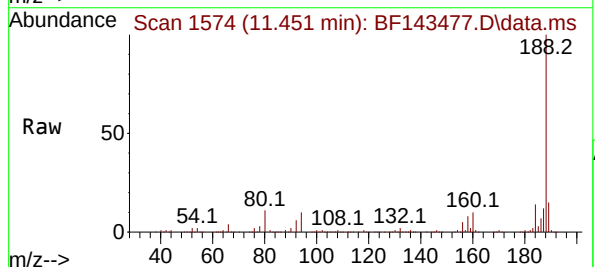
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

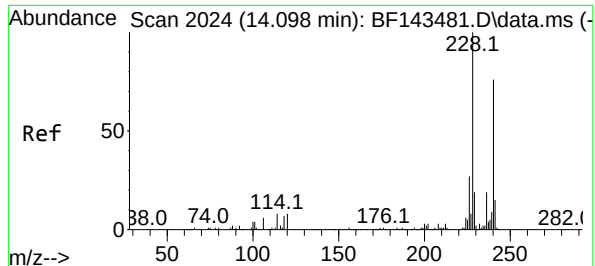
Tgt Ion: 172
Sig Exp Ratio
172 100
171 36.0
170 23.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Tgt Ion: 188 Resp: 471116
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.9 8.2 12.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143477.D

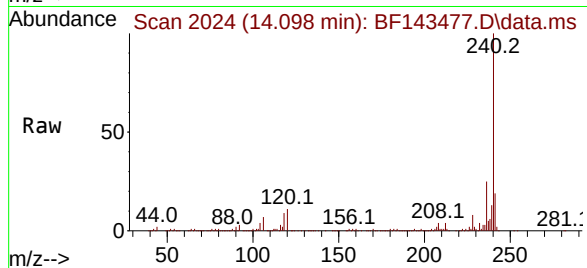
Acq: 20 Aug 2025 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



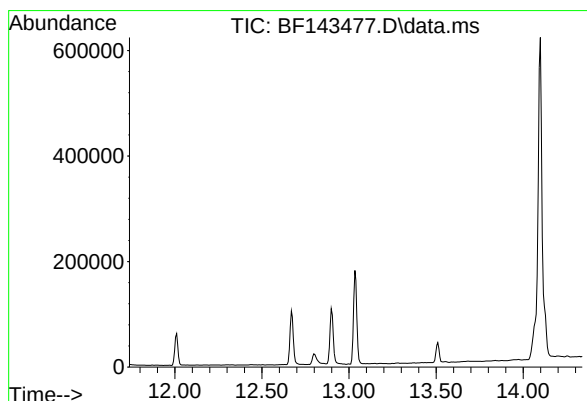
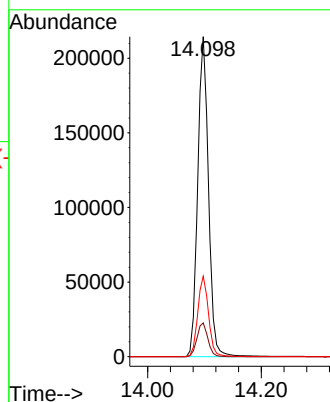
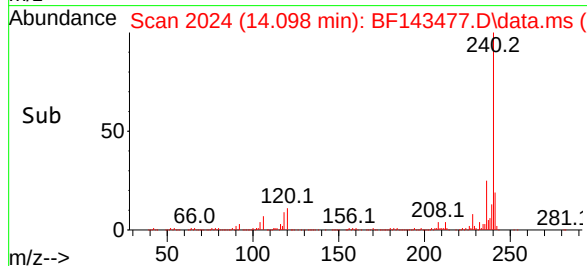
Tgt Ion:240 Resp: 283668

Ion Ratio Lower Upper

240 100

120 10.5 8.6 12.8

236 25.1 20.4 30.6



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 13.04 min

Lab File: BF143477.D

Acq: 20 Aug 2025 10:55

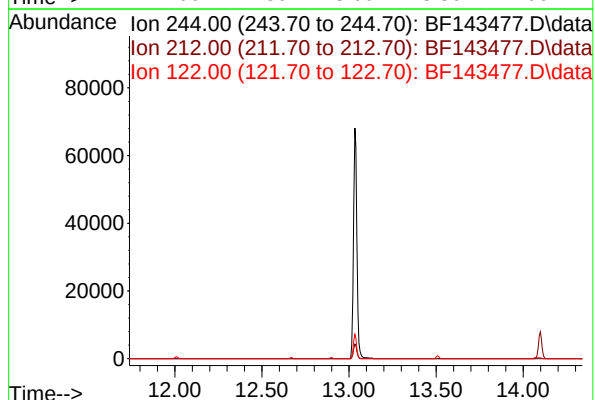
Tgt Ion: 244

Sig Exp Ratio

244 100

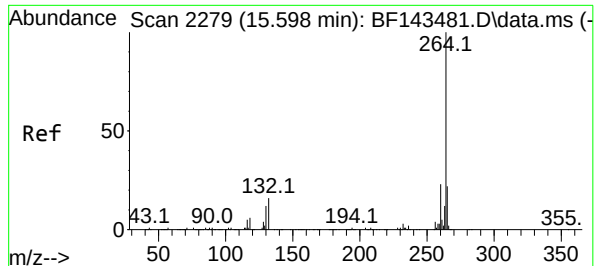
212 6.5

122 9.9



Ion 212.00 (211.70 to 212.70): BF143477.D\data

Ion 122.00 (121.70 to 122.70): BF143477.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.598 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143477.D

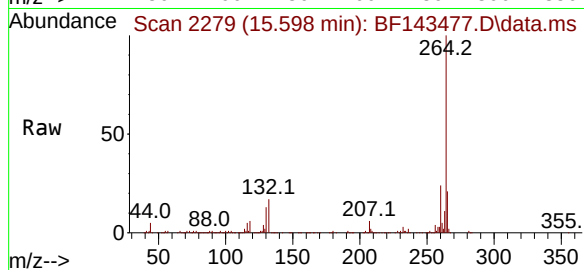
Acq: 20 Aug 2025 10:55

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



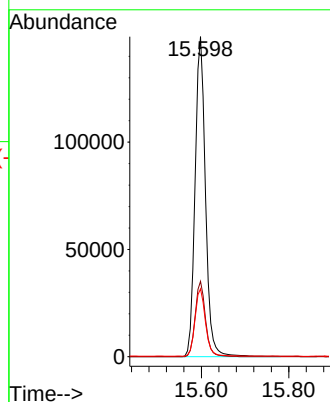
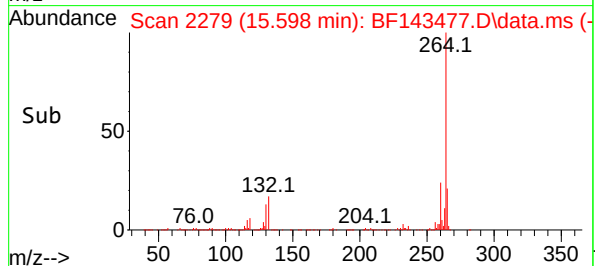
Tgt Ion:264 Resp: 247340

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.2 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143478.D
 Acq On : 20 Aug 2025 11:25
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Aug 20 16:19:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	139746	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	528467	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	295421	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	479059	20.000	ng	0.00
76) Chrysene-d12	14.098	240	275807	20.000	ng	0.00
86) Perylene-d12	15.598	264	257255	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	84074	10.505	ng	0.00
7) Phenol-d6	6.557	99	107354	10.867	ng	-0.02
23) Nitrobenzene-d5	7.481	82	93525	10.327	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	28197	10.254	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	213485	11.943	ng	0.00
79) Terphenyl-d14	13.033	244	184897	11.698	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	18448	4.976	ng	97
3) Pyridine	3.552	79	46794	4.739	ng	98
6) Aniline	6.587	93	71052	5.381	ng	98
8) 2-Chlorophenol	6.716	128	45449	5.142	ng	99
10) Phenol	6.575	94	60812	5.343	ng	93
11) bis(2-Chloroethyl)ether	6.651	93	45274	5.323	ng	99
12) 1,3-Dichlorobenzene	6.869	146	54424	5.480	ng	98
13) 1,4-Dichlorobenzene	6.945	146	53485	5.368	ng	99
14) 1,2-Dichlorobenzene	7.098	146	50580	5.362	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.192	45	74897	5.504	ng	97
17) 2-Methylphenol	7.181	107	36752	5.180	ng	97
18) Hexachloroethane	7.440	117	17304	5.108	ng	94
19) n-Nitroso-di-n-propyla...	7.328	70	32958	5.458	ng	96
22) Acetophenone	7.328	105	64602	5.658	ng	# 96
24) Nitrobenzene	7.498	77	46642	5.004	ng	99
25) Isophorone	7.739	82	87950	5.298	ng	99
26) 2-Nitrophenol	7.822	139	21447	4.697	ng	98
27) 2,4-Dimethylphenol	7.863	122	37403	5.255	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	54059	5.299	ng	98
29) 2,4-Dichlorophenol	8.075	162	38716	5.093	ng	96
30) 1,2,4-Trichlorobenzene	8.151	180	42060	5.382	ng	99
31) Naphthalene	8.228	128	141189	5.565	ng	99
33) 4-Chloroaniline	8.281	127	47399	5.264	ng	99
34) Hexachlorobutadiene	8.351	225	27313	5.357	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	40059	5.259	ng	100
37) 2-Methylnaphthalene	8.922	142	94640	5.585	ng	99
38) 1-Methylnaphthalene	9.022	142	91483	5.644	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	46429	5.494	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	24994	4.807	ng	99
44) 2,4,5-Trichlorophenol	9.251	196	28903	5.089	ng	97
46) 1,1'-Biphenyl	9.381	154	116864	5.573	ng	98
47) 2-Chloronaphthalene	9.410	162	90223	5.484	ng	100
48) 2-Nitroaniline	9.504	65	23209	4.820	ng	99
49) Acenaphthylene	9.822	152	129052	5.478	ng	98
50) Dimethylphthalate	9.675	163	95475	5.366	ng	98
51) 2,6-Dinitrotoluene	9.739	165	16519	4.480	ng	93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143478.D
Acq On : 20 Aug 2025 11:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

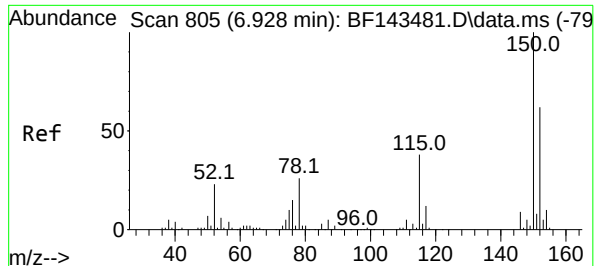
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.998	154	86399	5.402	ng	100
53) 3-Nitroaniline	9.916	138	19195	4.817	ng	98
55) Dibenzofuran	10.169	168	126806	5.561	ng	100
57) 2,4-Dinitrotoluene	10.145	165	21578	4.382	ng	90
58) Fluorene	10.510	166	100926	5.751	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.298	232	19308	4.576	ng	# 97
60) Diethylphthalate	10.375	149	86539	5.425	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	49563	5.647	ng	97
62) 4-Nitroaniline	10.522	138	16999	4.645	ng	99
63) Azobenzene	10.663	77	90174	5.452	ng	99
66) n-Nitrosodiphenylamine	10.616	169	81920	5.314	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	29139	5.098	ng	95
68) Hexachlorobenzene	11.069	284	31905	5.178	ng	99
69) Atrazine	11.139	200	18453	4.637	ng	97
71) Phenanthrene	11.475	178	142334	5.548	ng	99
72) Anthracene	11.528	178	142673	5.490	ng	99
73) Carbazole	11.686	167	113696	5.339	ng	99
74) Di-n-butylphthalate	12.010	149	93617	4.712	ng	100
75) Fluoranthene	12.669	202	127015	5.518	ng	98
78) Pyrene	12.898	202	130407	5.748	ng	99
80) Butylbenzylphthalate	13.510	149	26173	4.223	ng	99
81) Benzo(a)anthracene	14.086	228	89757	5.055	ng	99
83) Chrysene	14.121	228	86291	5.408	ng	99
84) Bis(2-ethylhexyl)phtha...	14.069	149	41348	4.380	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	91654	4.958	ng	98
88) Benzo(b)fluoranthene	15.157	252	72988	5.104	ng	99
89) Benzo(k)fluoranthene	15.186	252	74440	5.437	ng	99
90) Benzo(a)pyrene	15.533	252	66416	5.004	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	73229	4.946	ng	98
92) Benzo(g,h,i)perylene	17.586	276	72556	4.928	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

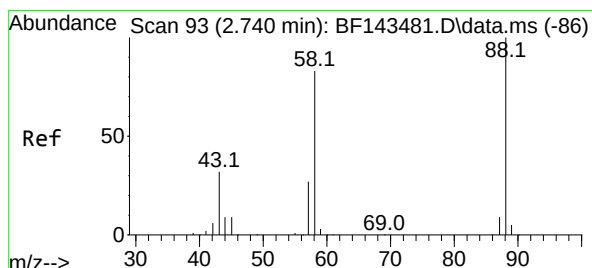
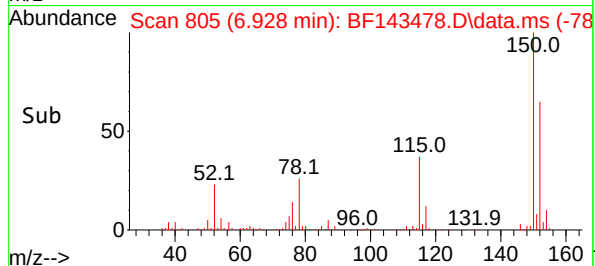
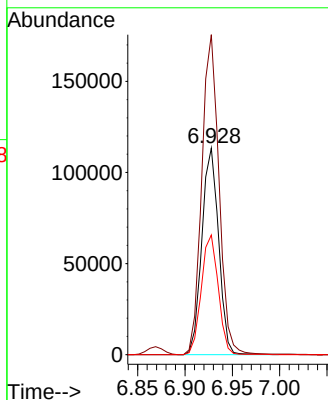
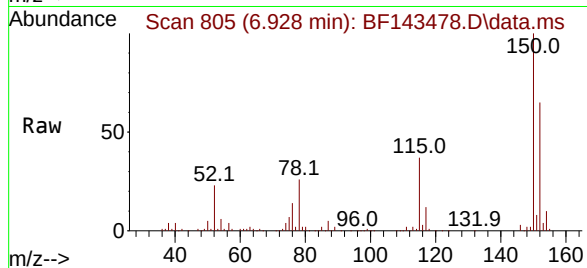
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- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

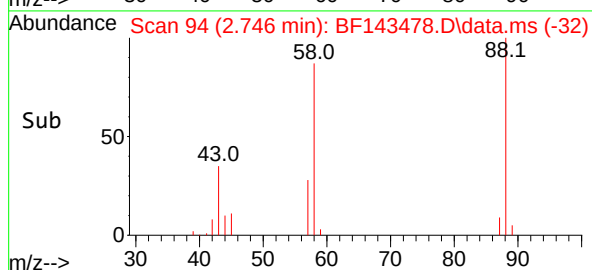
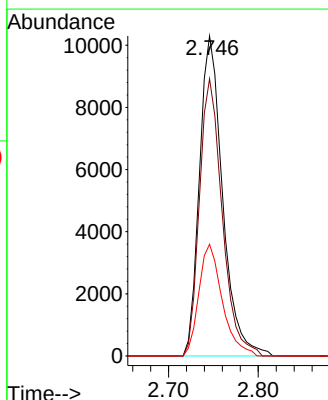
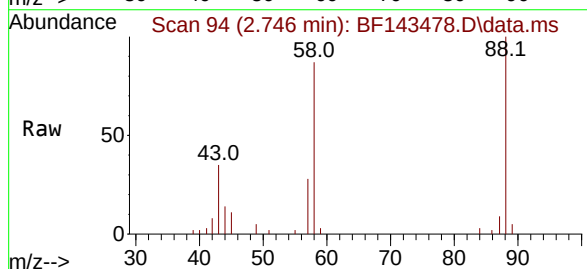
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ClientSampleId :
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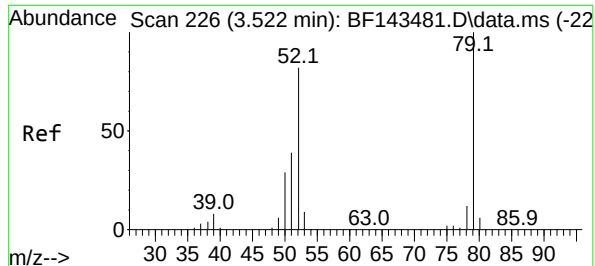
Tgt Ion:152 Resp: 139746
Ion Ratio Lower Upper
152 100
150 154.9 128.9 193.3
115 58.0 49.2 73.8



#2
1,4-Dioxane
Concen: 4.976 ng
RT: 2.746 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 88 Resp: 18448
Ion Ratio Lower Upper
88 100
58 85.1 66.7 100.1
43 35.4 25.8 38.8

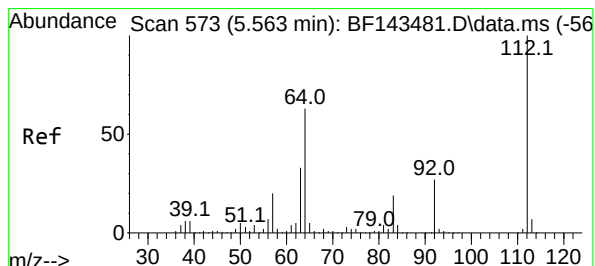
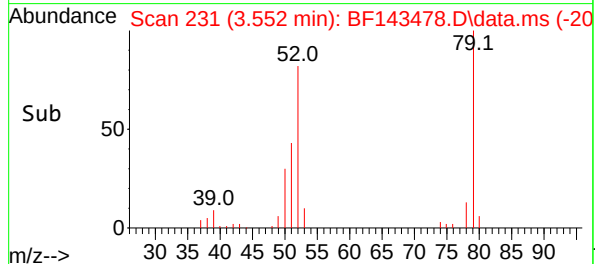
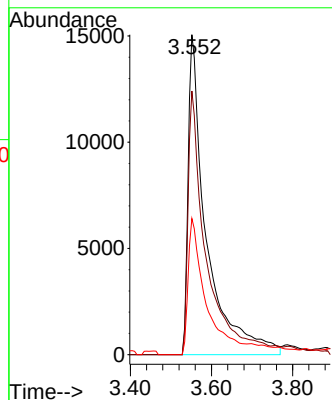
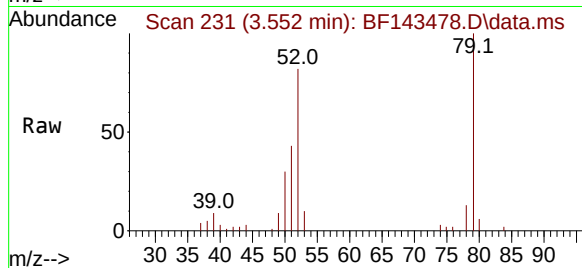




#3
Pyridine
Concen: 4.739 ng
RT: 3.552 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

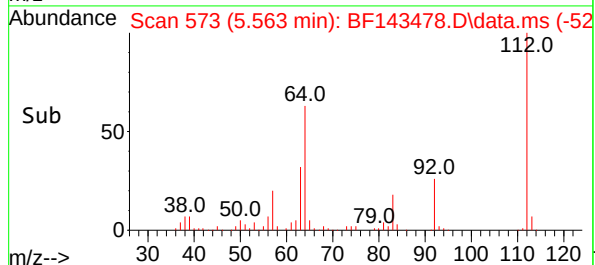
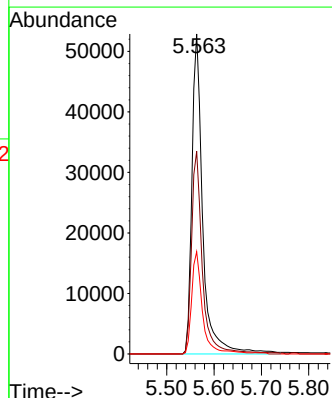
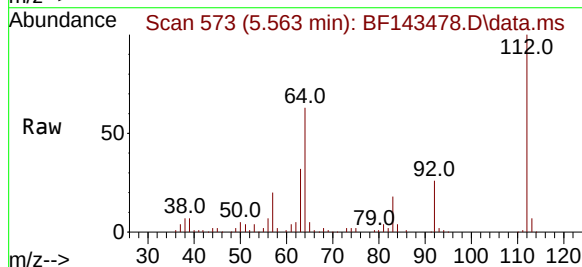
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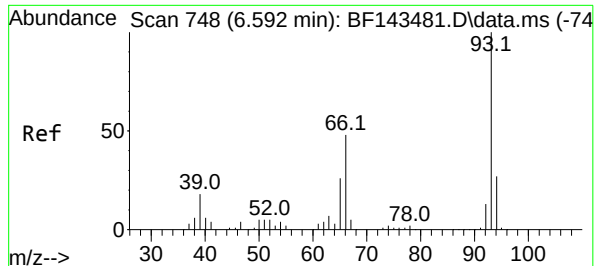
Tgt Ion:	79	Resp:	46794
Ion Ratio	Lower	Upper	
79	100		
52	82.4	65.6	98.4
51	42.6	31.2	46.8



#5
2-Fluorophenol
Concen: 10.505 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:	112	Resp:	84074
Ion Ratio	Lower	Upper	
112	100		
64	63.4	50.4	75.6
63	32.0	26.4	39.6

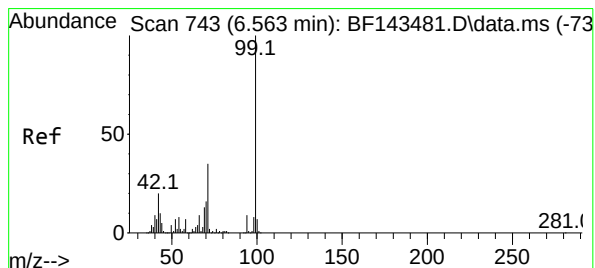
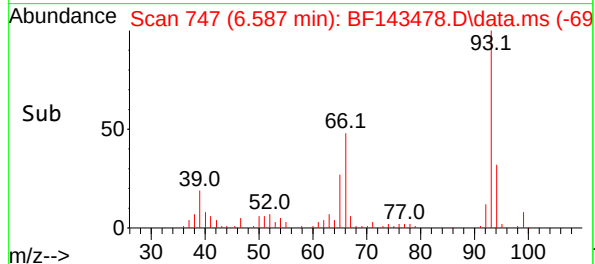
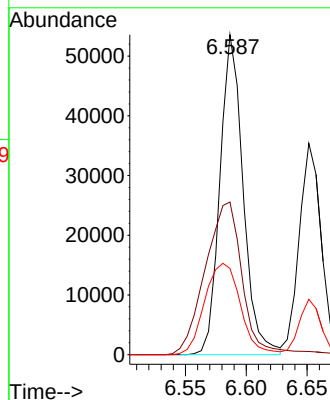
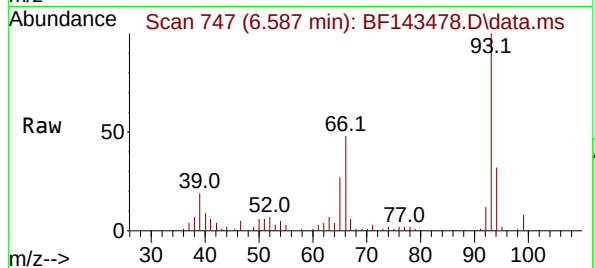




#6
Aniline
Concen: 5.381 ng
RT: 6.587 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

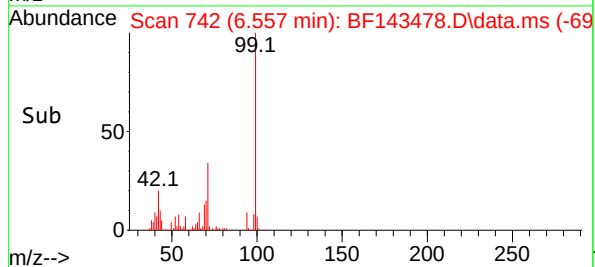
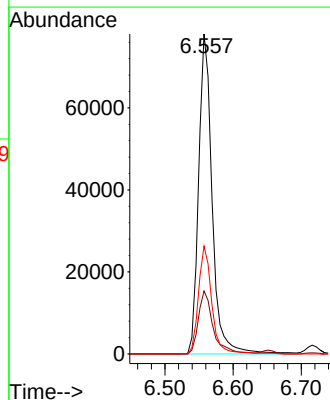
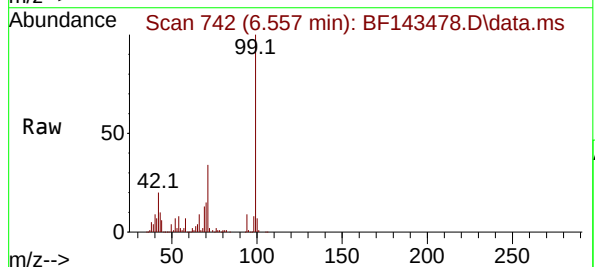
Instrument :
BNA_F
ClientSampleId :
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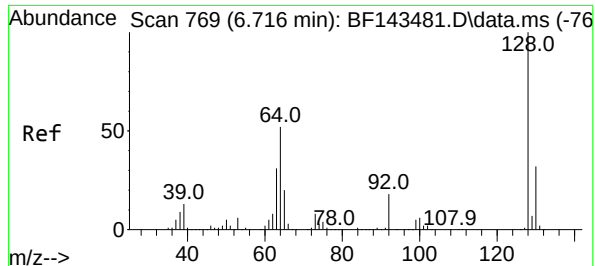
Tgt Ion:	93	Resp:	71052
Ion Ratio	Lower	Upper	
93	100		
66	47.7	38.9	58.3
65	27.0	20.6	30.8



#7
Phenol-d6
Concen: 10.867 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:	99	Resp:	107354
Ion Ratio	Lower	Upper	
99	100		
42	19.7	16.3	24.5
71	33.7	28.2	42.2

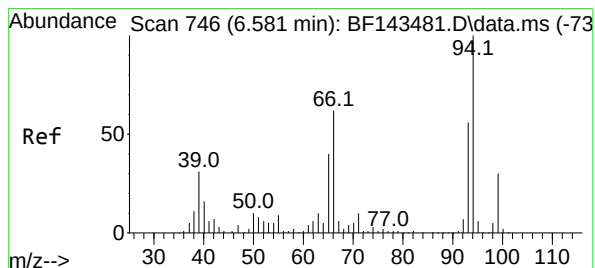
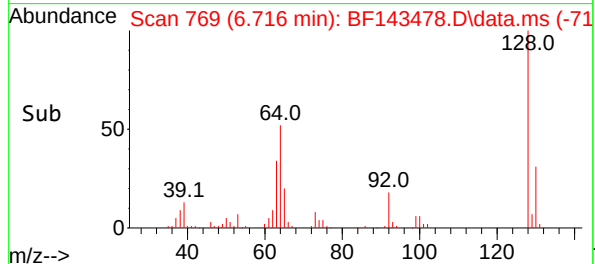
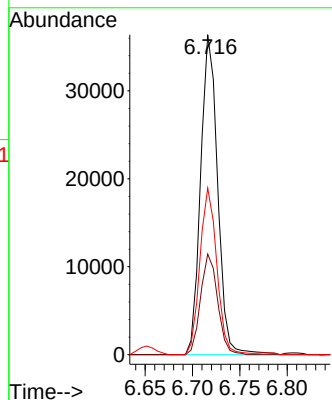
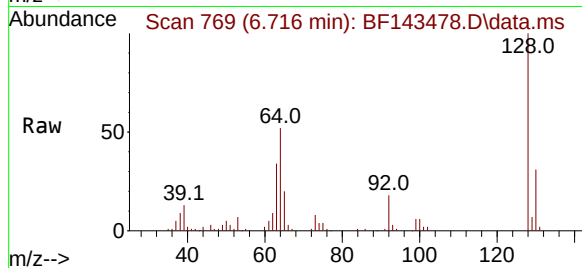




#8
2-Chlorophenol
Concen: 5.142 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

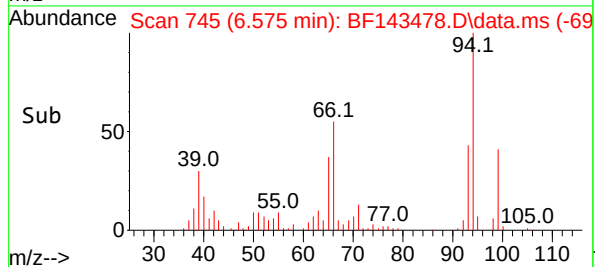
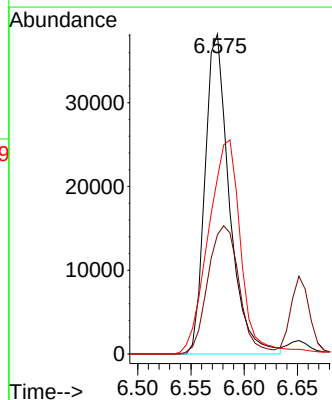
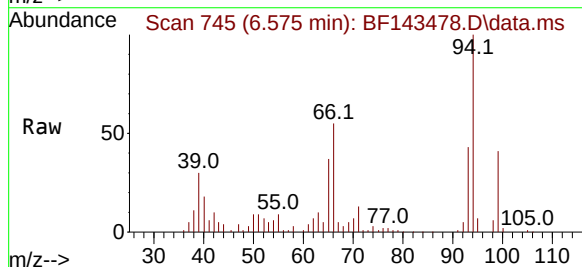
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

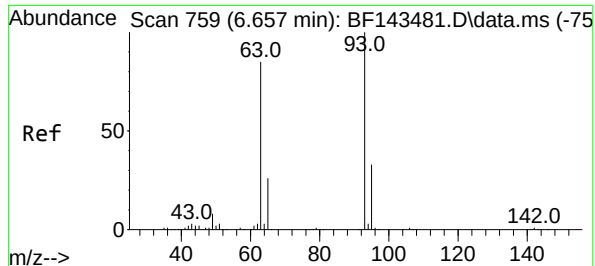
Tgt Ion:128 Resp: 45449
Ion Ratio Lower Upper
128 100
130 31.5 12.4 52.4
64 52.0 31.6 71.6



#10
Phenol
Concen: 5.343 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 94 Resp: 60812
Ion Ratio Lower Upper
94 100
65 37.3 19.5 59.5
66 55.1 42.5 82.5

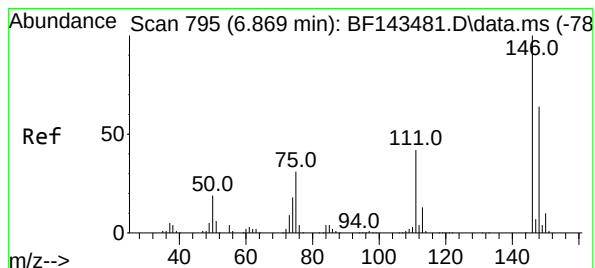
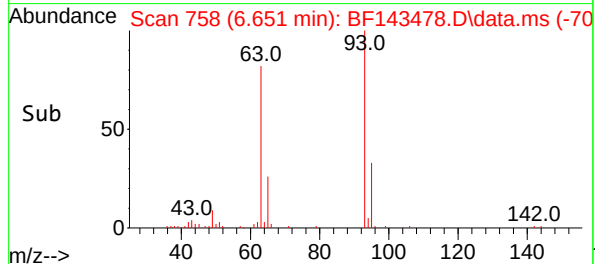
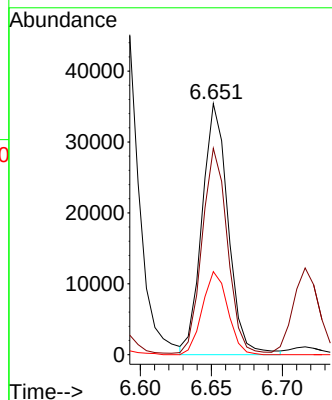
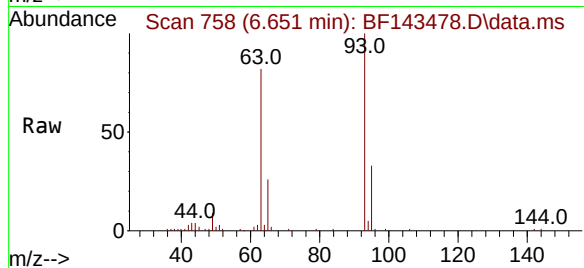




#11
bis(2-Chloroethyl)ether
Concen: 5.323 ng
RT: 6.651 min Scan# 759
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

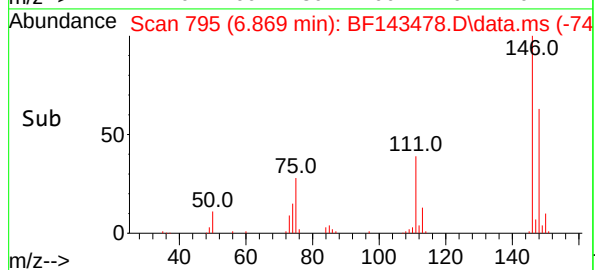
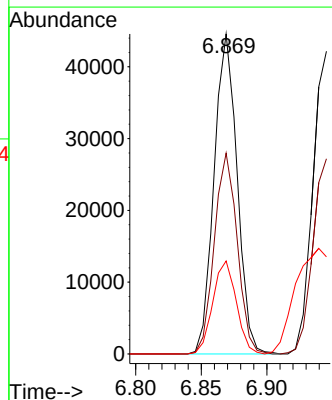
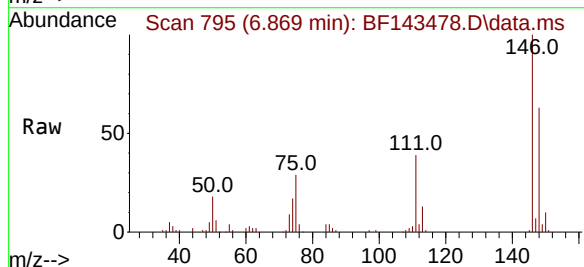
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

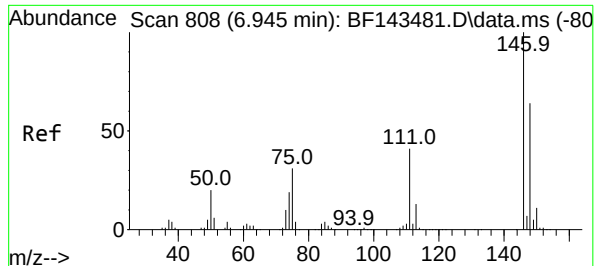
Tgt Ion: 93 Resp: 45274
Ion Ratio Lower Upper
93 100
63 82.2 63.6 103.6
95 33.1 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 5.480 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 146 Resp: 54424
Ion Ratio Lower Upper
146 100
148 62.8 51.3 76.9
75 29.1 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 5.368 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

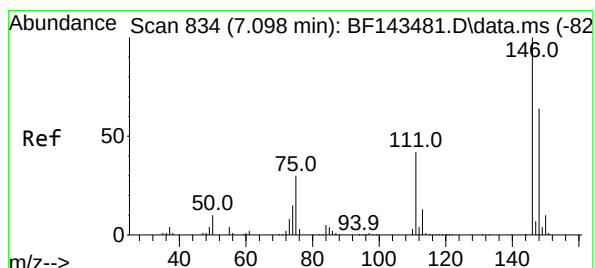
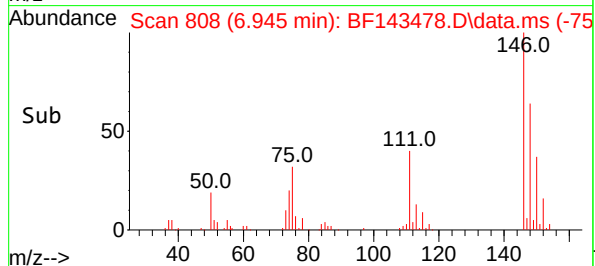
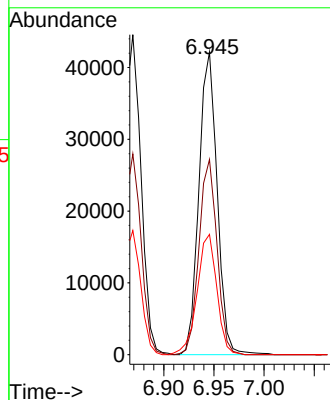
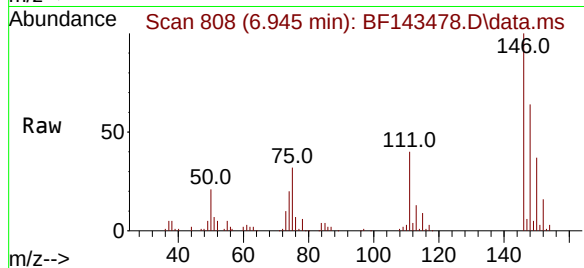
Tgt Ion:146 Resp: 53485

Ion Ratio Lower Upper

146 100

148 64.5 51.5 77.3

111 39.7 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 5.362 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

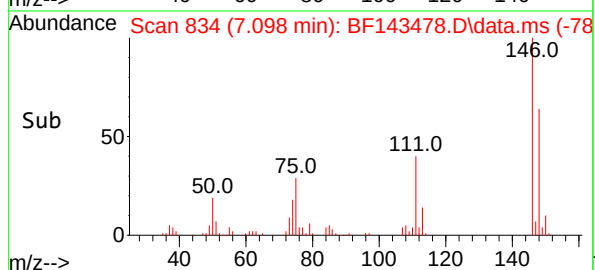
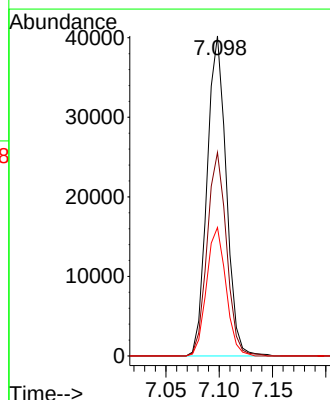
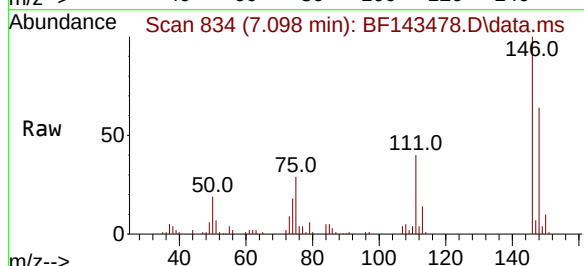
Tgt Ion:146 Resp: 50580

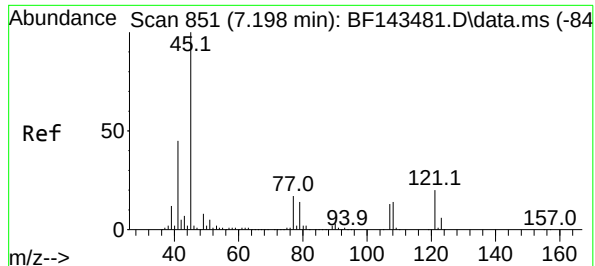
Ion Ratio Lower Upper

146 100

148 63.6 51.0 76.6

111 40.2 34.0 51.0

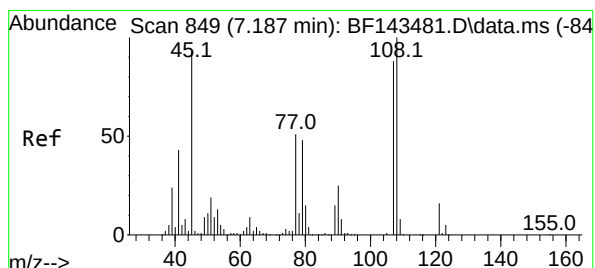
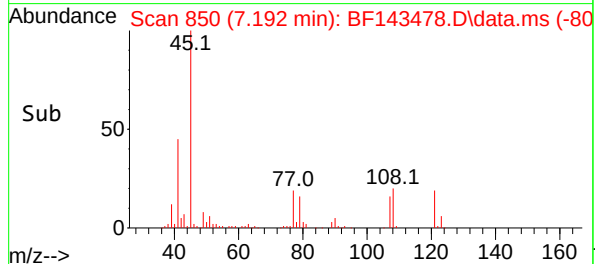
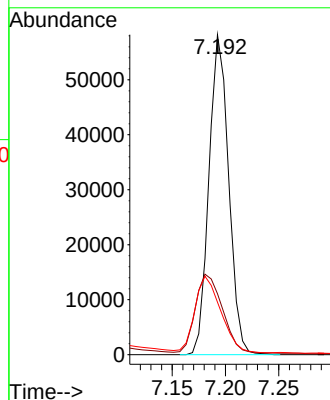
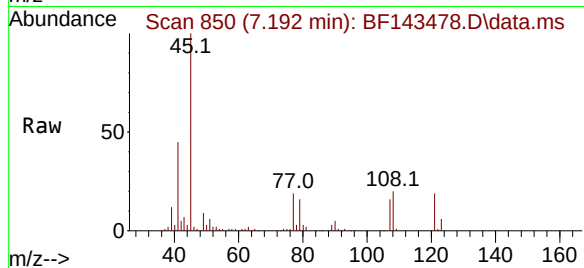




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.504 ng
RT: 7.192 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

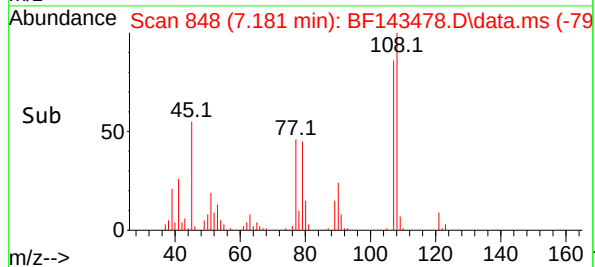
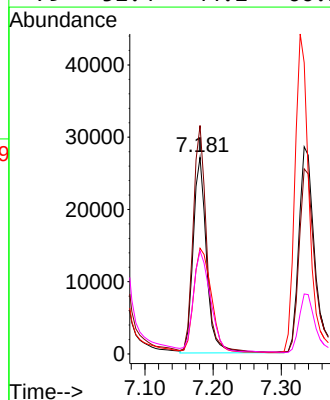
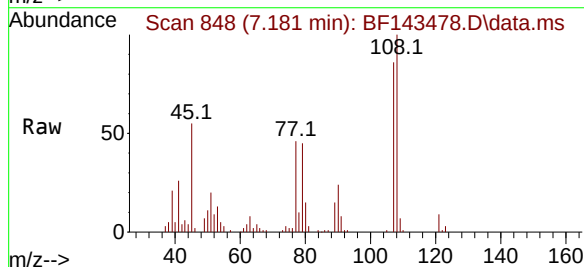
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

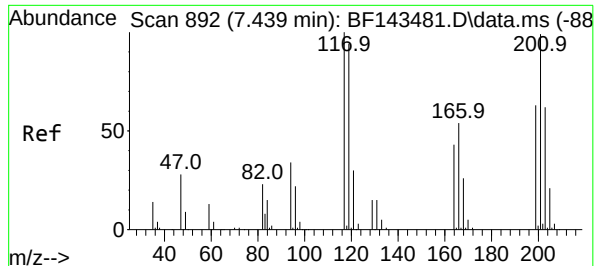
Tgt Ion: 45 Resp: 74897
Ion Ratio Lower Upper
45 100
77 19.0 0.0 37.9
79 16.4 0.0 34.7



#17
2-Methylphenol
Concen: 5.180 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 107 Resp: 36752
Ion Ratio Lower Upper
107 100
108 116.1 91.1 136.7
77 53.7 46.2 69.4
79 52.4 44.2 66.2





#18

Hexachloroethane

Concen: 5.108 ng

RT: 7.440 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

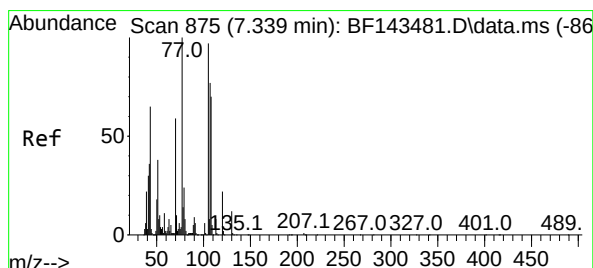
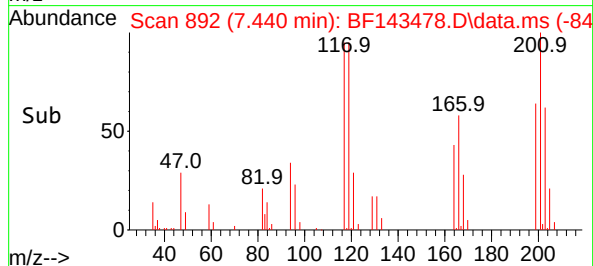
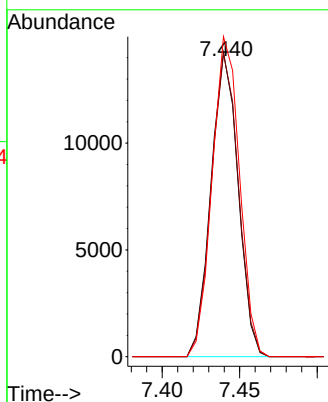
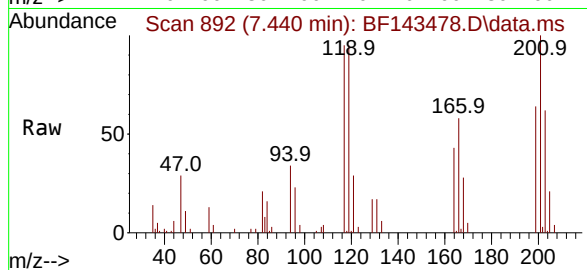
Tgt Ion:117 Resp: 17304

Ion Ratio Lower Upper

117 100

119 99.6 75.4 113.0

201 105.1 79.0 118.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.458 ng

RT: 7.328 min Scan# 873

Delta R.T. -0.024 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Tgt Ion: 70 Resp: 32958

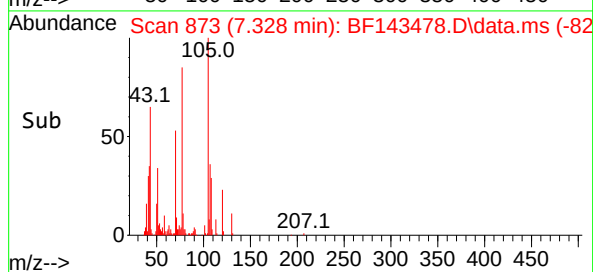
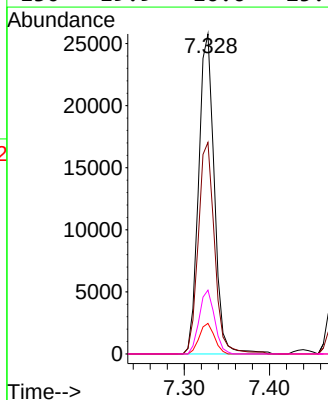
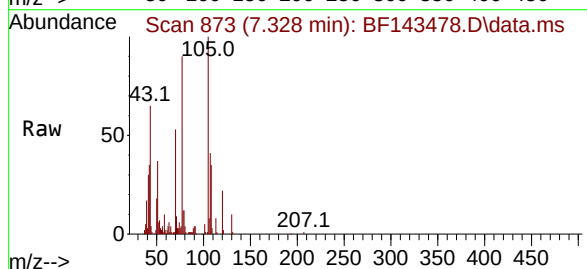
Ion Ratio Lower Upper

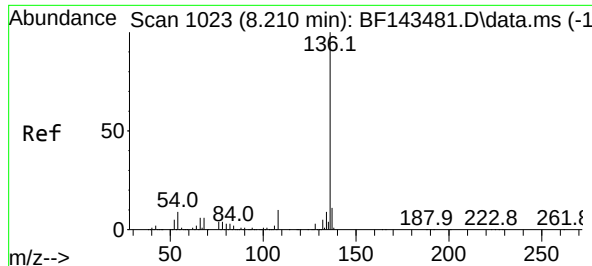
70 100

42 66.1 49.3 73.9

101 9.5 7.8 11.8

130 19.9 16.6 25.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

Tgt Ion:136 Resp: 528467

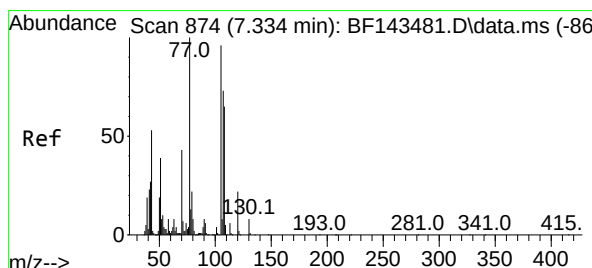
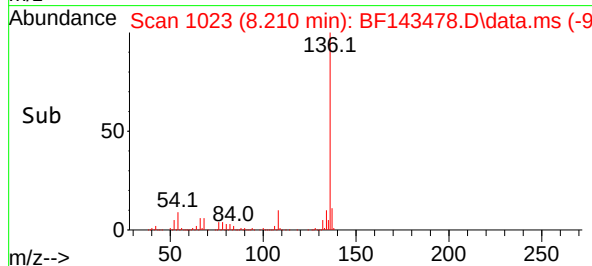
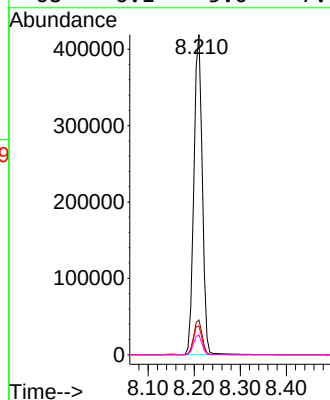
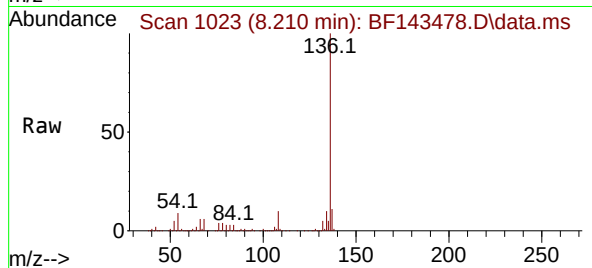
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 9.0 7.4 11.2

68 6.1 5.0 7.4



#22

Acetophenone

Concen: 5.658 ng

RT: 7.328 min Scan# 873

Delta R.T. -0.012 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Tgt Ion:105 Resp: 64602

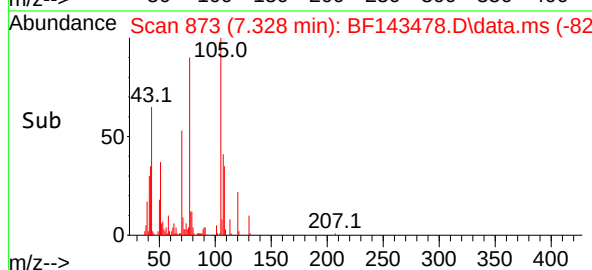
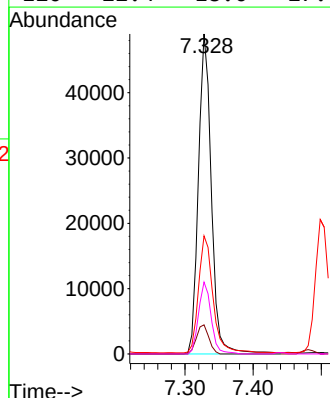
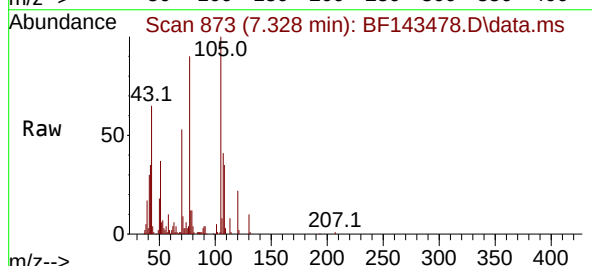
Ion Ratio Lower Upper

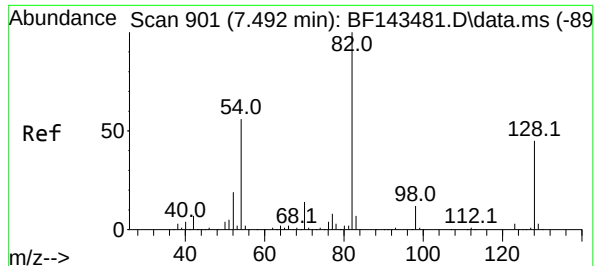
105 100

71 9.1 5.9 8.9#

51 36.9 32.5 48.7

120 22.4 18.0 27.0





#23

Nitrobenzene-d5

Concen: 10.327 ng

RT: 7.481 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

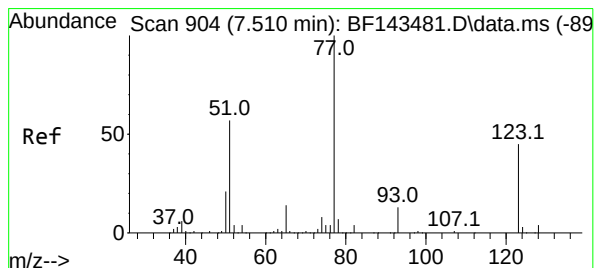
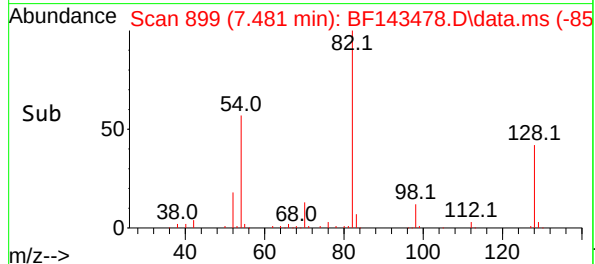
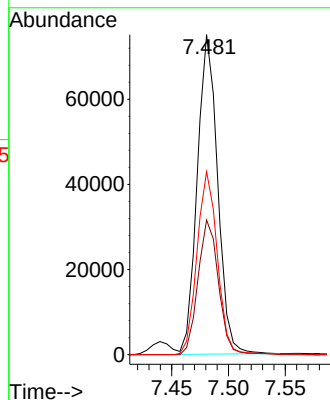
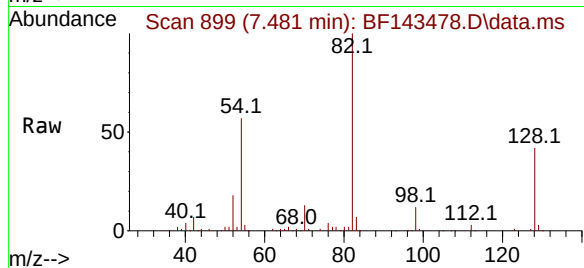
Tgt Ion: 82 Resp: 93525

Ion Ratio Lower Upper

82 100

128 42.1 35.5 53.3

54 57.2 44.3 66.5



#24

Nitrobenzene

Concen: 5.004 ng

RT: 7.498 min Scan# 902

Delta R.T. -0.018 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

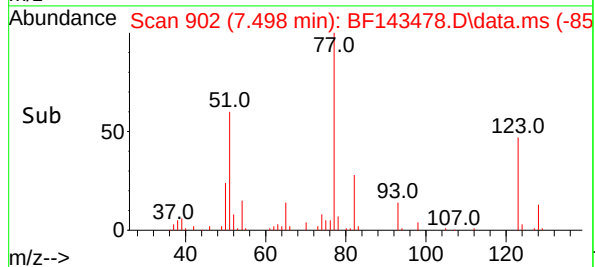
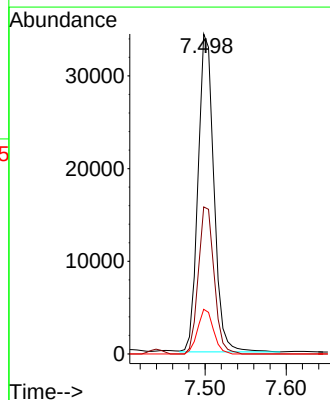
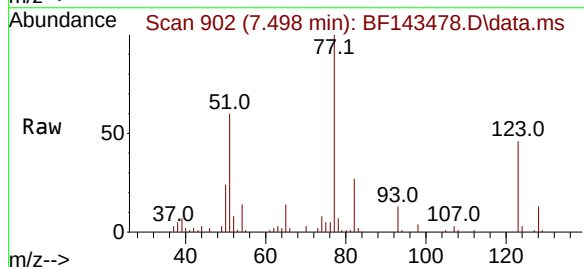
Tgt Ion: 77 Resp: 46642

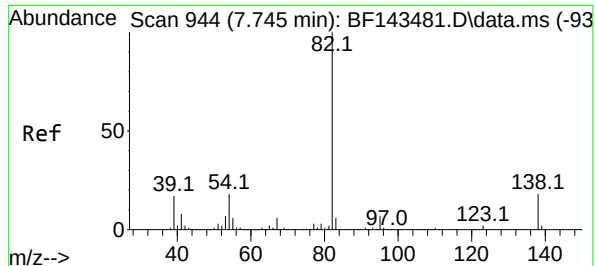
Ion Ratio Lower Upper

77 100

123 46.0 36.1 54.1

65 14.0 11.0 16.6

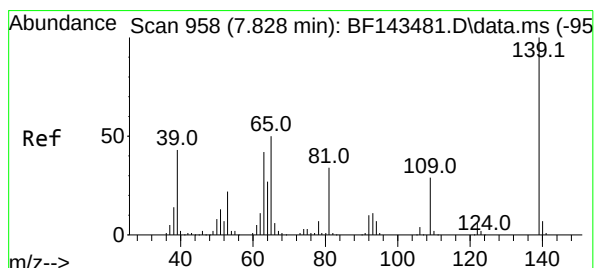
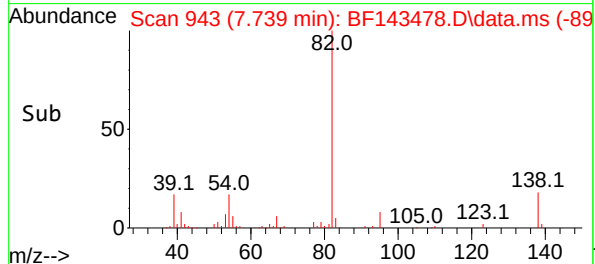
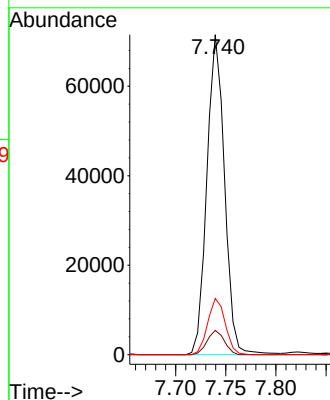
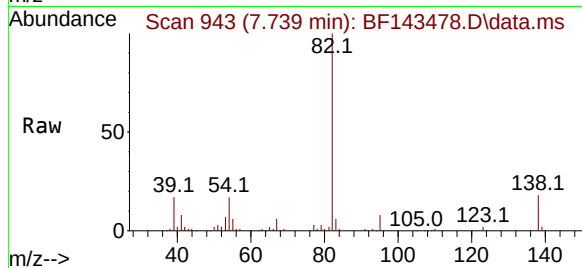




#25
Isophorone
Concen: 5.298 ng
RT: 7.739 min Scan# 941
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

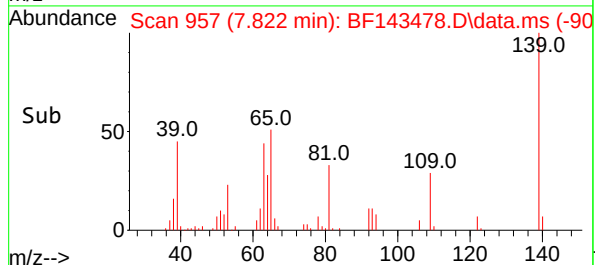
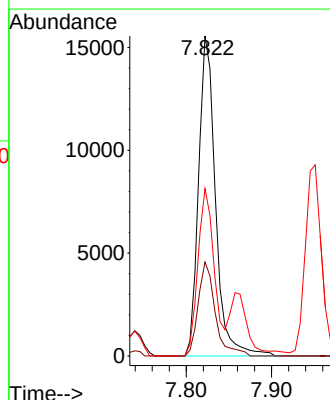
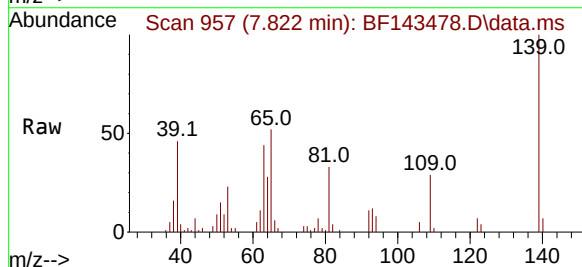
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

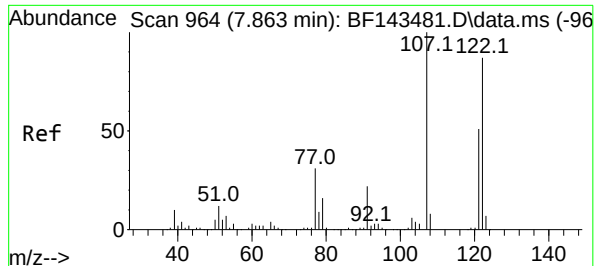
Tgt Ion:	82	Resp:	87950
Ion Ratio	Lower	Upper	
82	100		
95	7.6	5.8	8.8
138	17.6	14.2	21.4



#26
2-Nitrophenol
Concen: 4.697 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:	139	Resp:	21447
Ion Ratio	Lower	Upper	
139	100		
109	29.3	23.0	34.6
65	52.3	40.3	60.5





#27

2,4-Dimethylphenol

Concen: 5.255 ng

RT: 7.863 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

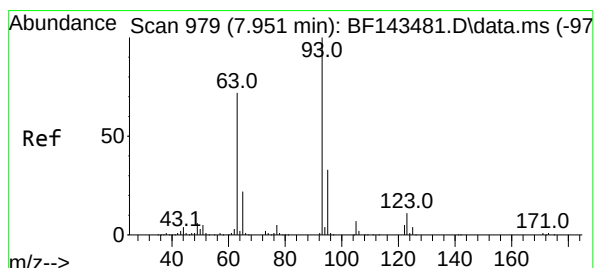
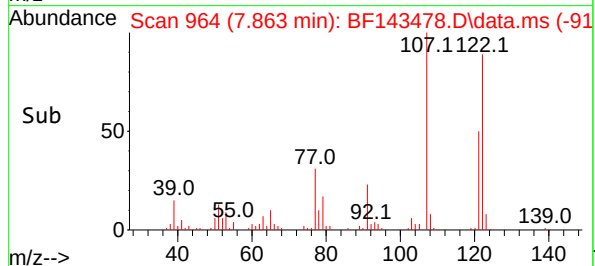
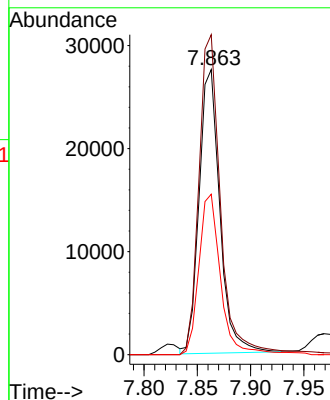
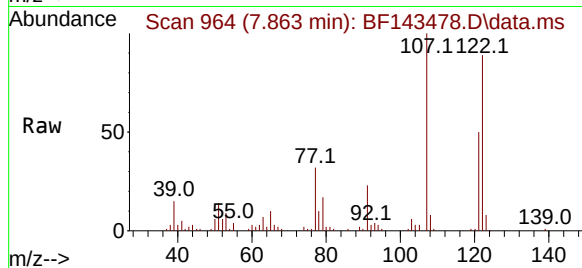
Tgt Ion:122 Resp: 37403

Ion Ratio Lower Upper

122 100

107 112.2 91.5 137.3

121 56.3 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 5.299 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

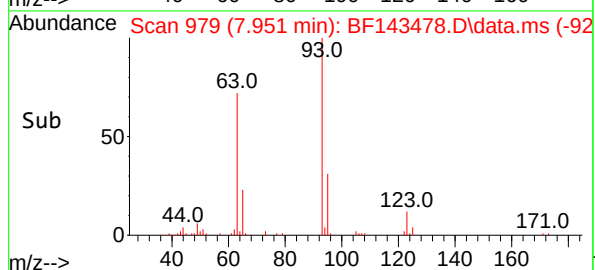
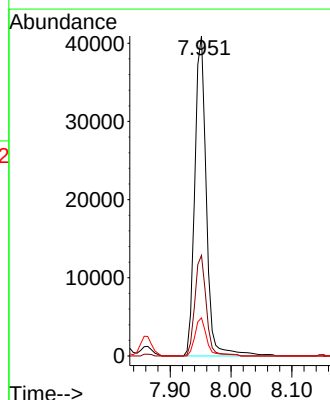
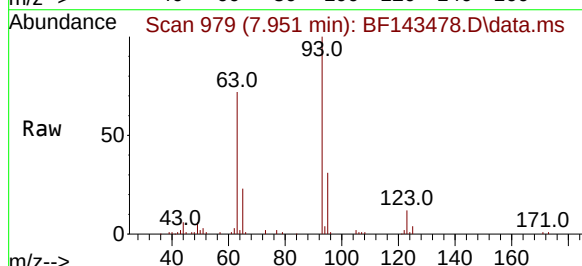
Tgt Ion: 93 Resp: 54059

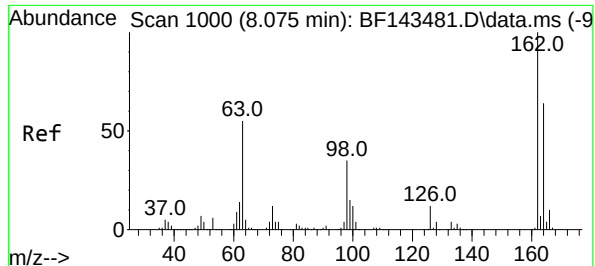
Ion Ratio Lower Upper

93 100

95 31.4 26.0 39.0

123 11.9 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 5.093 ng

RT: 8.075 min Scan# 1000

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

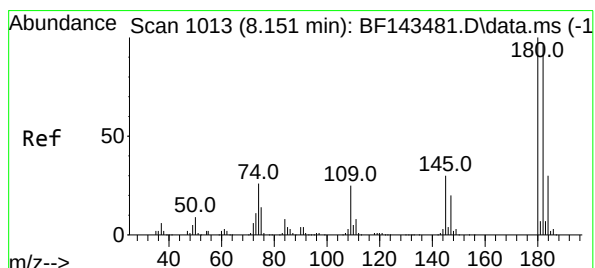
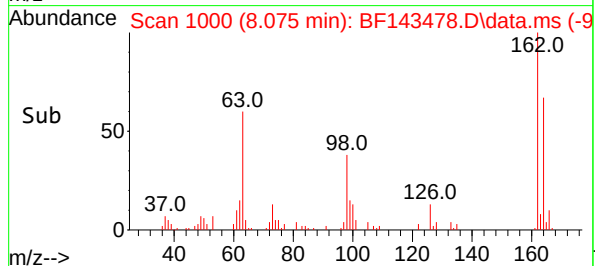
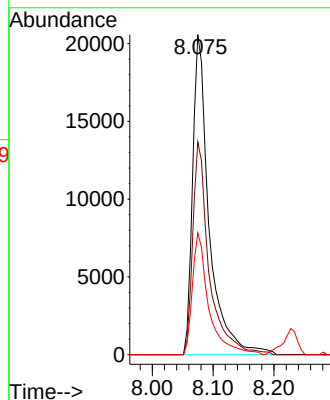
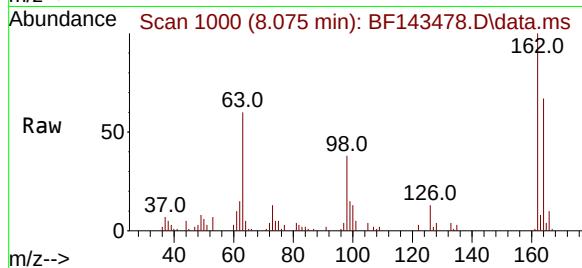
Tgt Ion:162 Resp: 38716

Ion Ratio Lower Upper

162 100

164 66.5 43.5 83.5

98 38.0 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 5.382 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

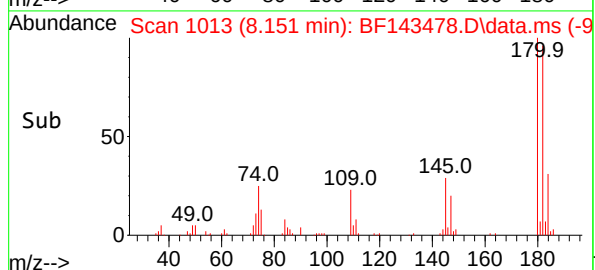
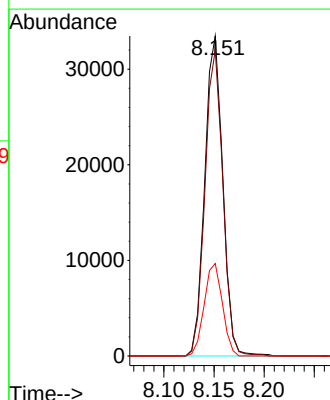
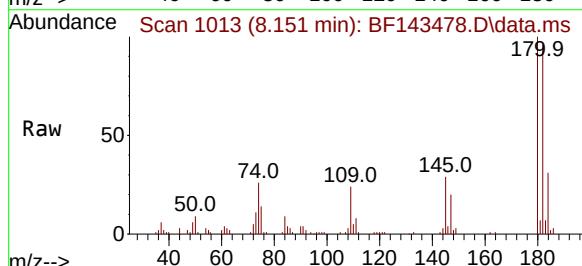
Tgt Ion:180 Resp: 42060

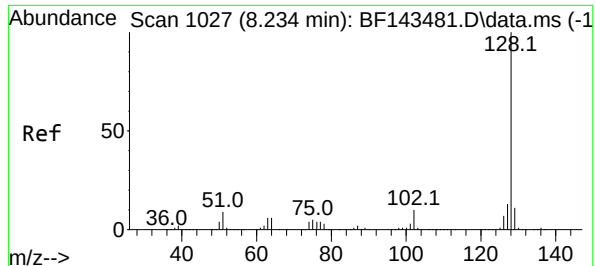
Ion Ratio Lower Upper

180 100

182 95.5 76.6 114.8

145 28.9 24.3 36.5

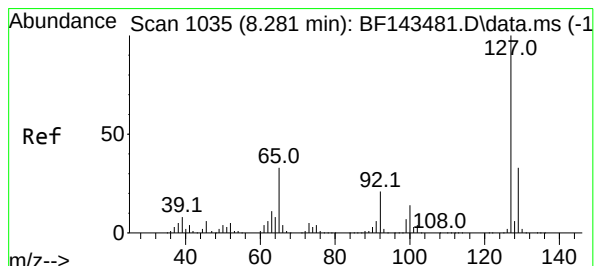
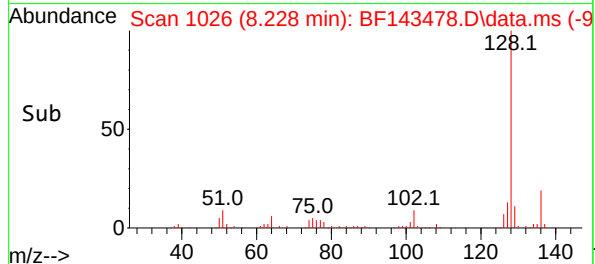
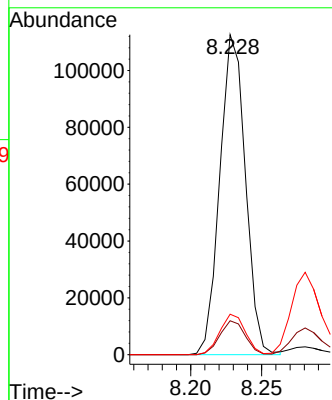
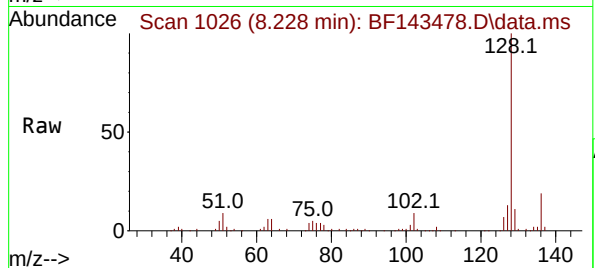




#31
Naphthalene
Concen: 5.565 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

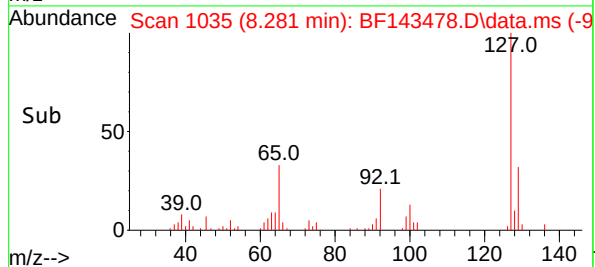
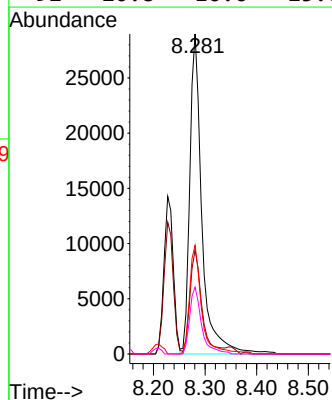
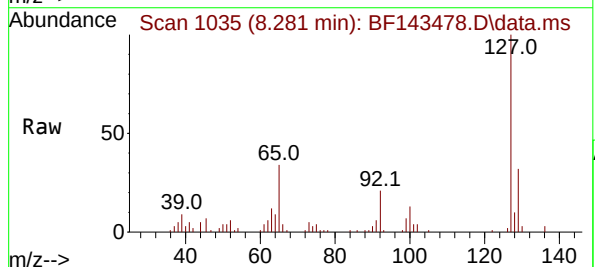
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

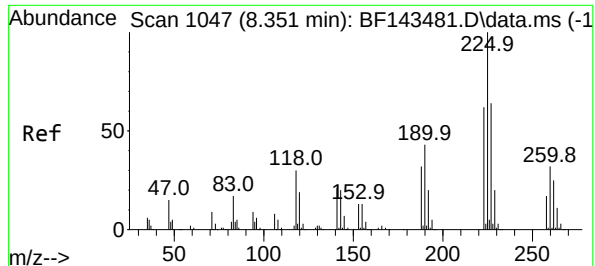
Tgt Ion:128 Resp: 141189
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.7 10.6 16.0



#33
4-Chloroaniline
Concen: 5.264 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:127 Resp: 47399
Ion Ratio Lower Upper
127 100
129 32.4 26.1 39.1
65 34.0 26.2 39.2
92 20.8 16.6 25.0





#34

Hexachlorobutadiene

Concen: 5.357 ng

RT: 8.351 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

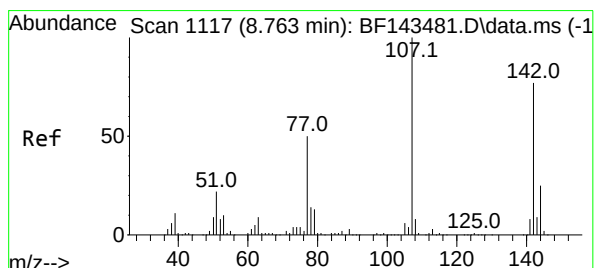
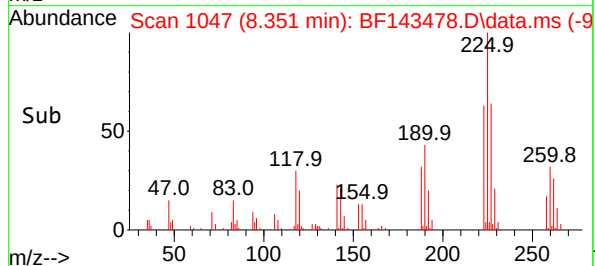
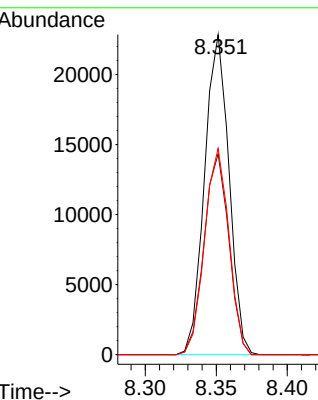
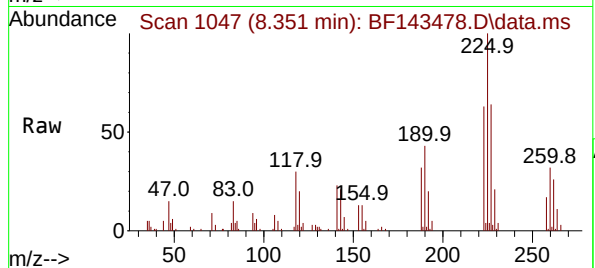
Tgt Ion:225 Resp: 27313

Ion Ratio Lower Upper

225 100

223 62.8 49.9 74.9

227 64.5 50.9 76.3



#36

4-Chloro-3-methylphenol

Concen: 5.259 ng

RT: 8.763 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

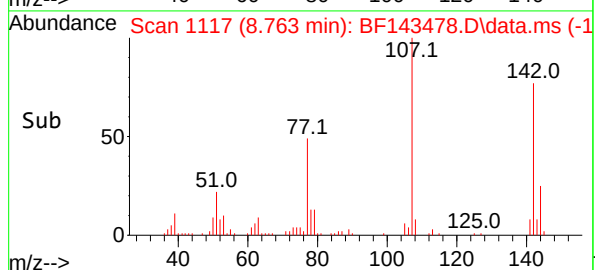
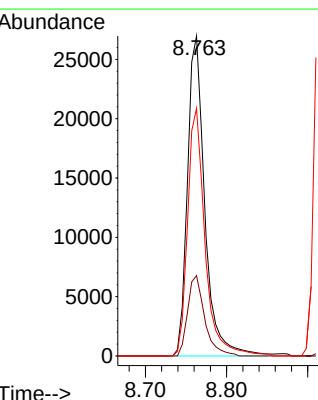
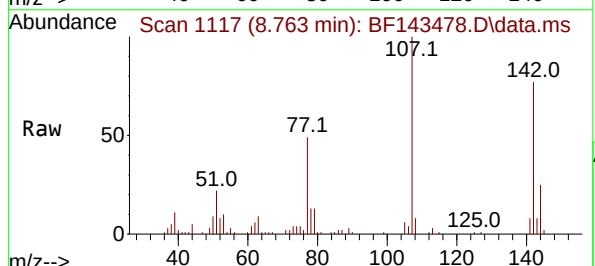
Tgt Ion:107 Resp: 40059

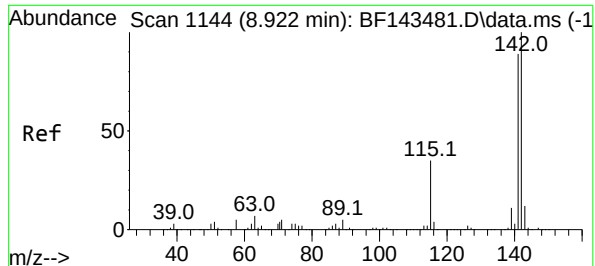
Ion Ratio Lower Upper

107 100

144 25.1 19.9 29.9

142 77.4 61.8 92.8

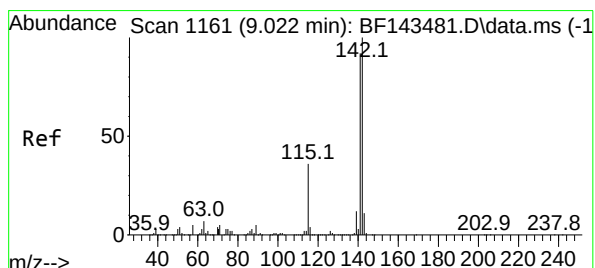
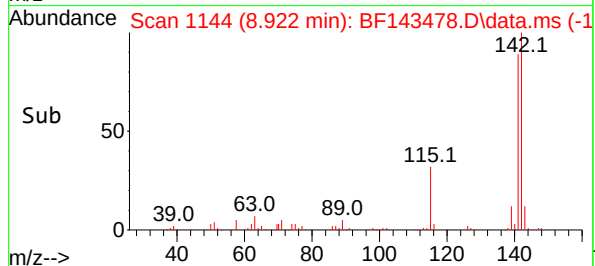
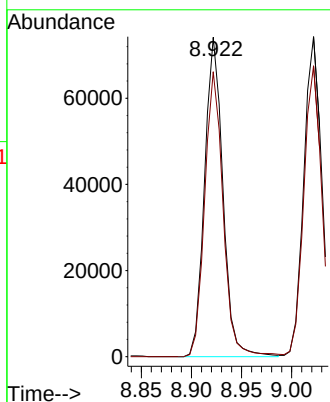
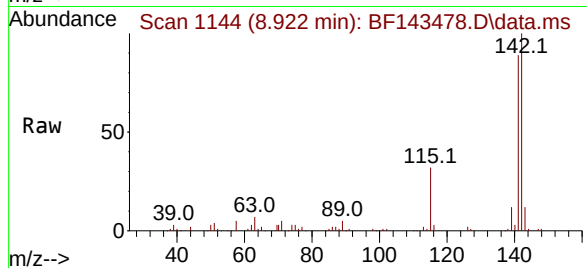




#37
2-Methylnaphthalene
Concen: 5.585 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

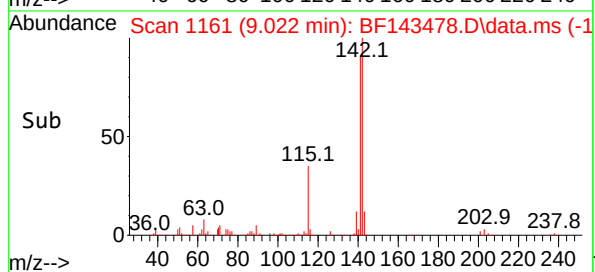
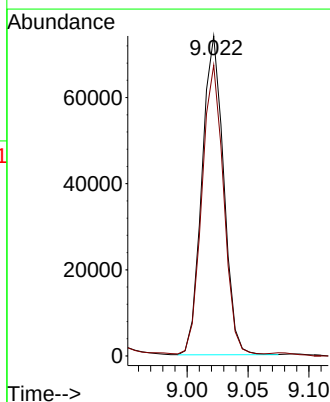
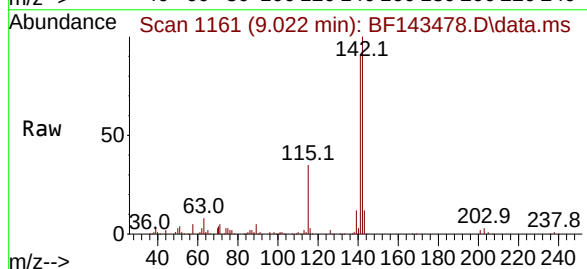
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

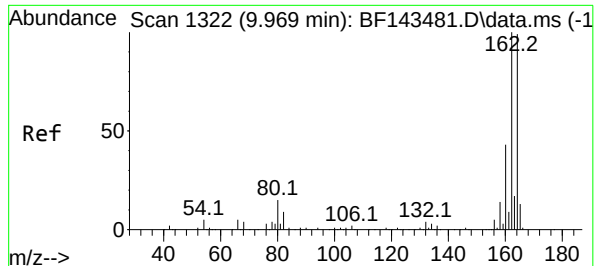
Tgt Ion:142 Resp: 94640
Ion Ratio Lower Upper
142 100
141 89.2 71.0 106.4



#38
1-Methylnaphthalene
Concen: 5.644 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:142 Resp: 91483
Ion Ratio Lower Upper
142 100
141 90.9 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

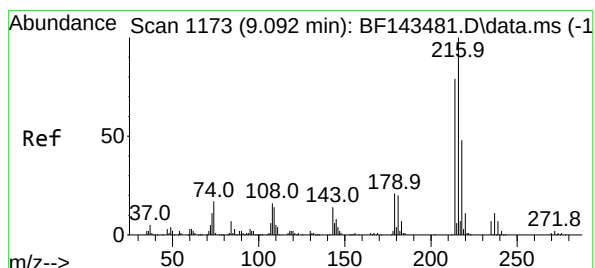
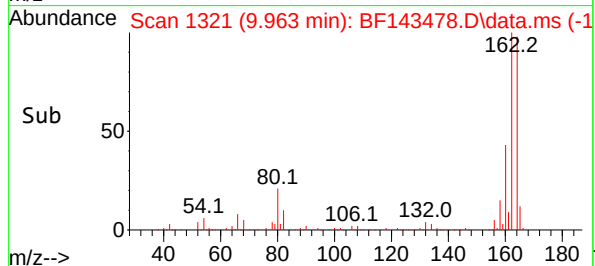
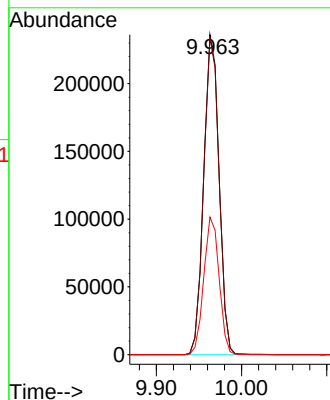
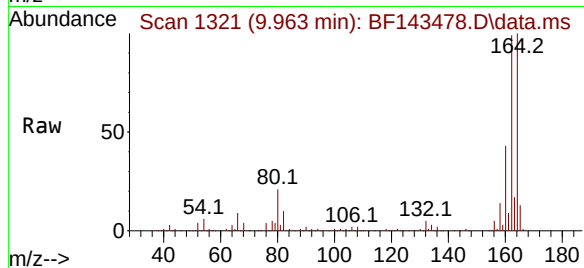
Tgt Ion:164 Resp: 295421

Ion Ratio Lower Upper

164 100

162 99.1 80.5 120.7

160 43.0 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.494 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Tgt Ion:216 Resp: 46429

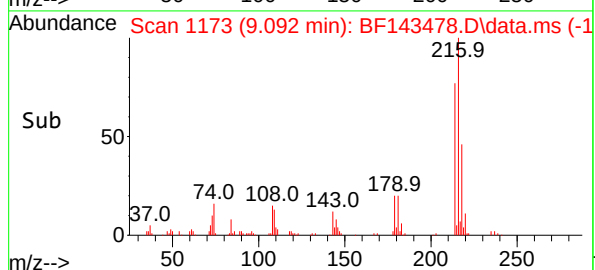
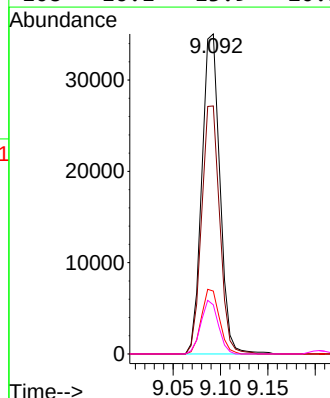
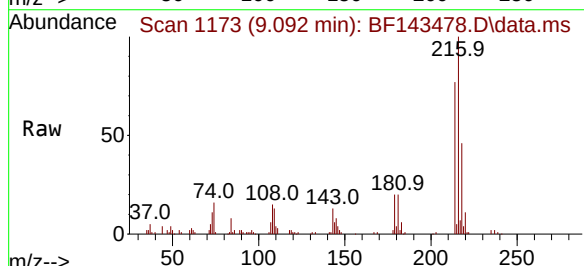
Ion Ratio Lower Upper

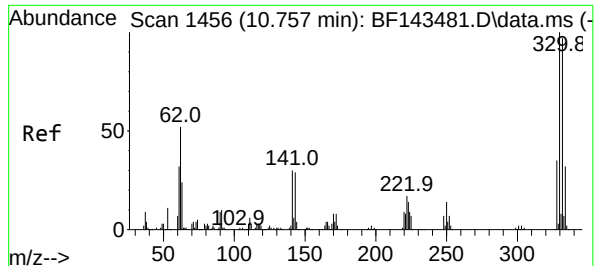
216 100

214 77.4 63.4 95.0

179 20.2 16.5 24.7

108 16.1 13.9 20.9





#42

2,4,6-Tribromophenol

Concen: 10.254 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF143478.D

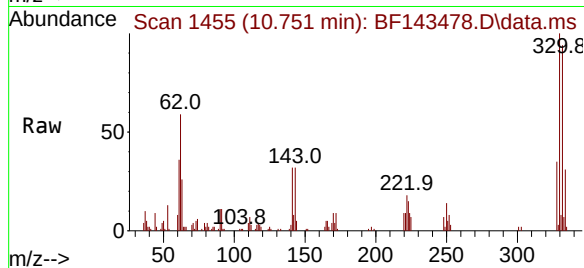
Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005



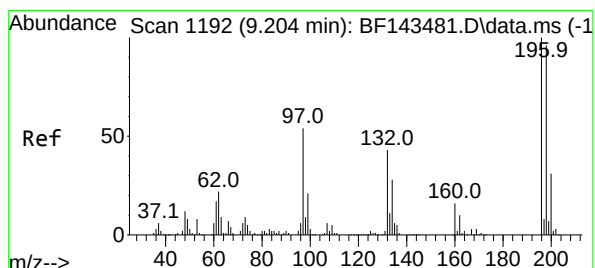
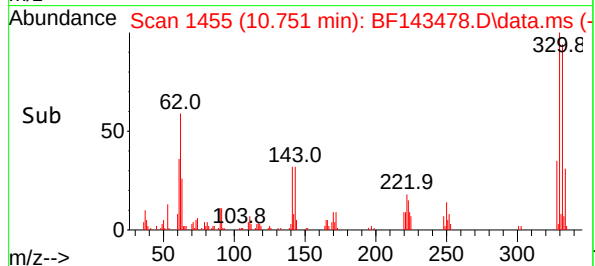
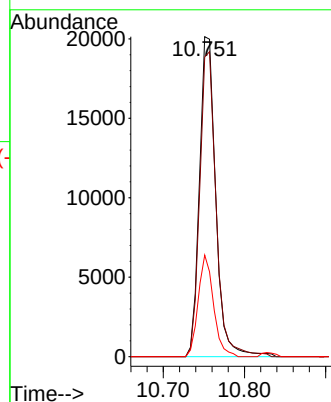
Tgt Ion:330 Resp: 28197

Ion Ratio Lower Upper

330 100

332 95.6 78.0 117.0

141 29.8 23.7 35.5



#43

2,4,6-Trichlorophenol

Concen: 4.807 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

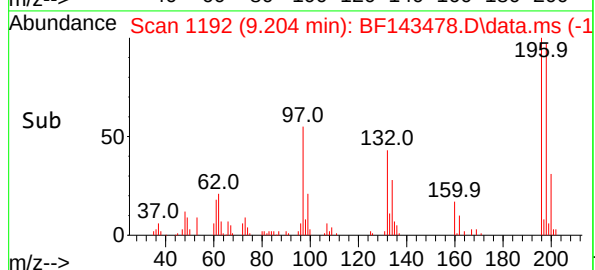
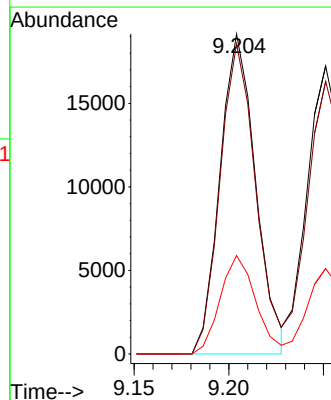
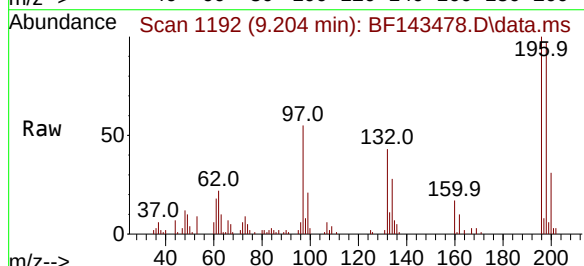
Tgt Ion:196 Resp: 24994

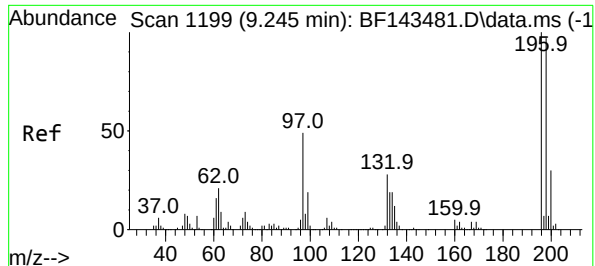
Ion Ratio Lower Upper

196 100

198 96.9 77.0 115.4

200 30.8 24.6 37.0





#44

2,4,5-Trichlorophenol

Concen: 5.089 ng

RT: 9.251 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143478.D

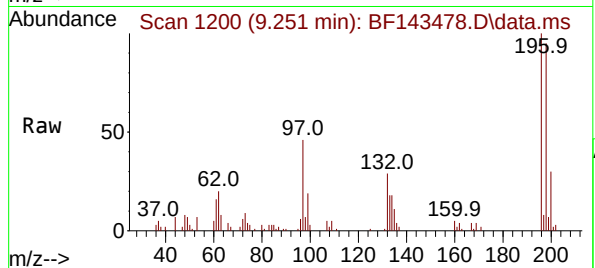
Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:196 Resp: 28903

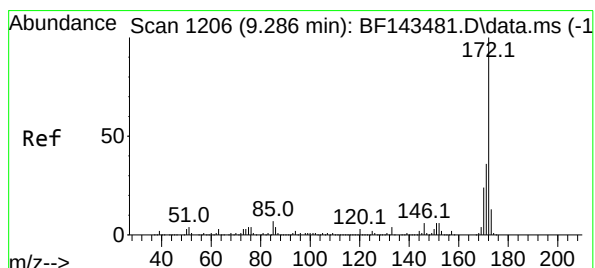
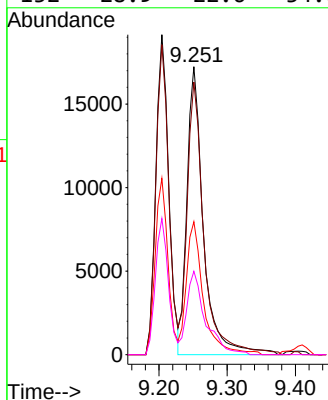
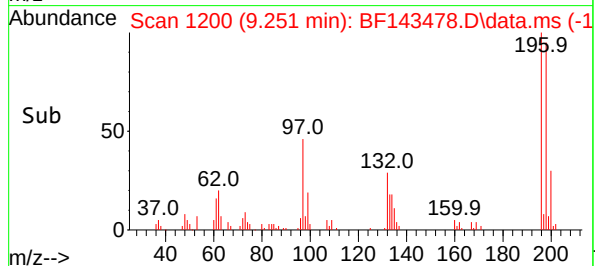
Ion Ratio Lower Upper

196 100

198 94.7 77.3 115.9

97 46.2 40.0 60.0

132 28.9 22.6 34.0



#45

2-Fluorobiphenyl

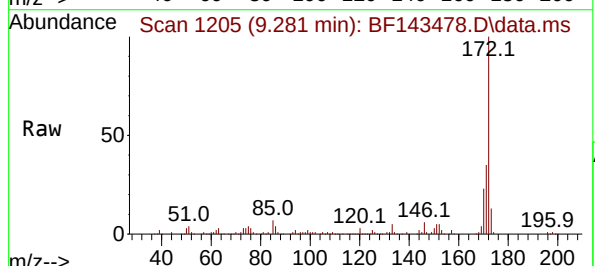
Concen: 11.943 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25



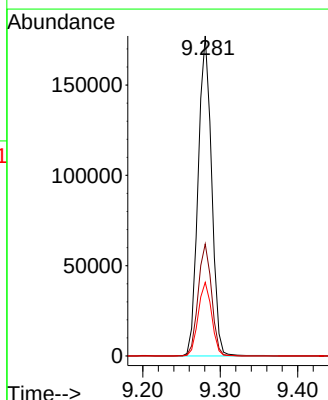
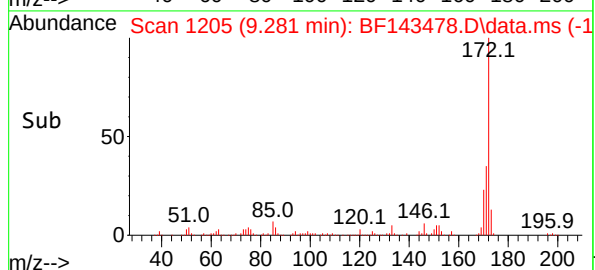
Tgt Ion:172 Resp: 213485

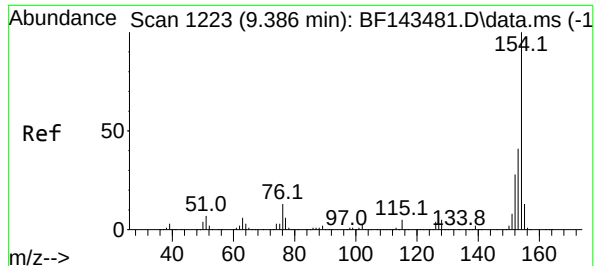
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.0 18.8 28.2





#46

1,1'-Biphenyl

Concen: 5.573 ng

RT: 9.381 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

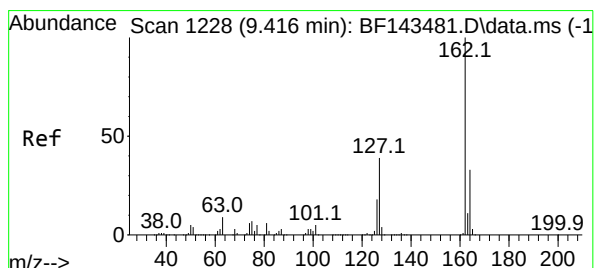
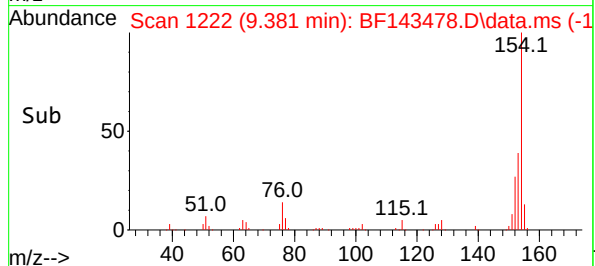
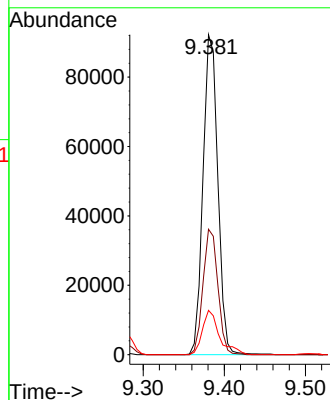
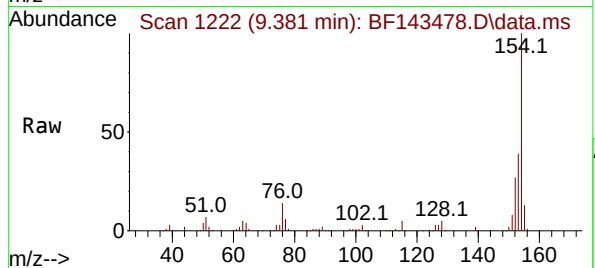
Tgt Ion:154 Resp: 116864

Ion Ratio Lower Upper

154 100

153 39.2 20.6 60.6

76 13.9 0.0 33.0



#47

2-Chloronaphthalene

Concen: 5.484 ng

RT: 9.410 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

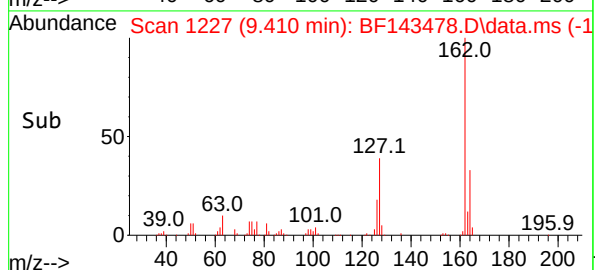
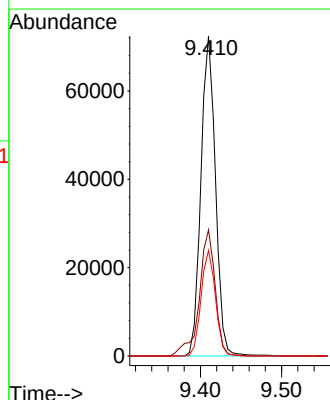
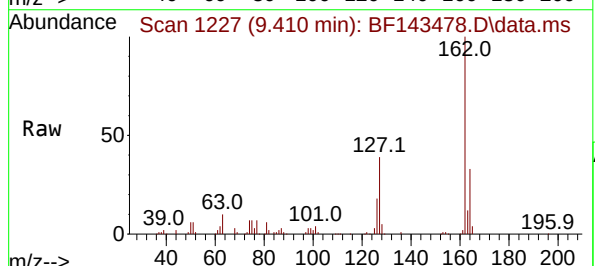
Tgt Ion:162 Resp: 90223

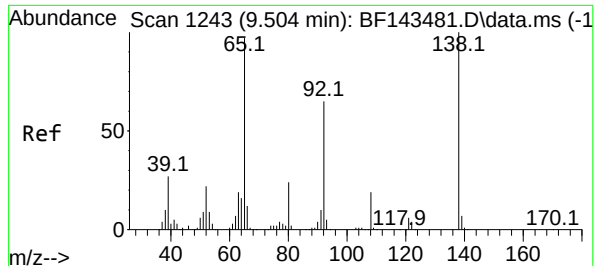
Ion Ratio Lower Upper

162 100

127 39.4 31.8 47.6

164 33.0 26.4 39.6





#48

2-Nitroaniline

Concen: 4.820 ng

RT: 9.504 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

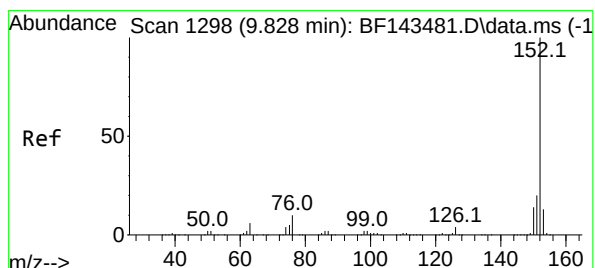
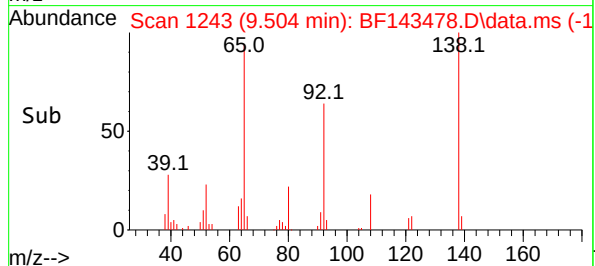
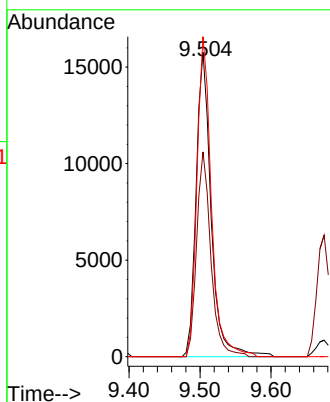
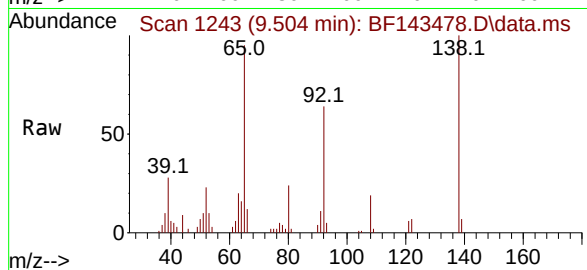
Tgt Ion: 65 Resp: 23209

Ion Ratio Lower Upper

65 100

92 67.3 53.8 80.6

138 105.1 82.4 123.6



#49

Acenaphthylene

Concen: 5.478 ng

RT: 9.822 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

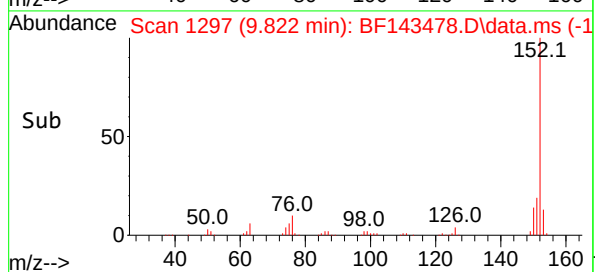
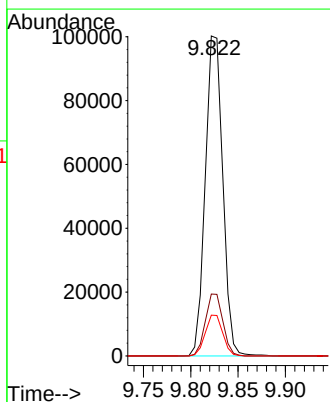
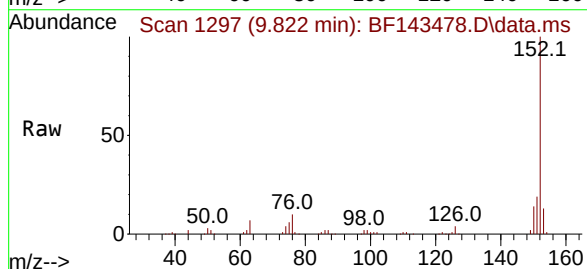
Tgt Ion: 152 Resp: 129052

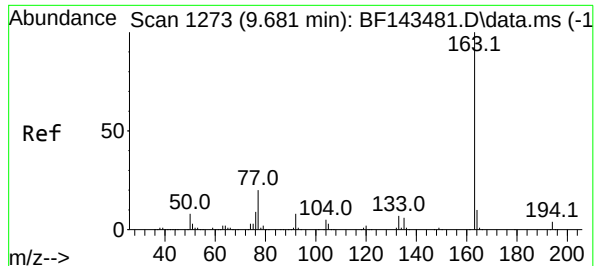
Ion Ratio Lower Upper

152 100

151 19.3 16.2 24.4

153 12.8 10.6 15.8





#50

Dimethylphthalate

Concen: 5.366 ng

RT: 9.675 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

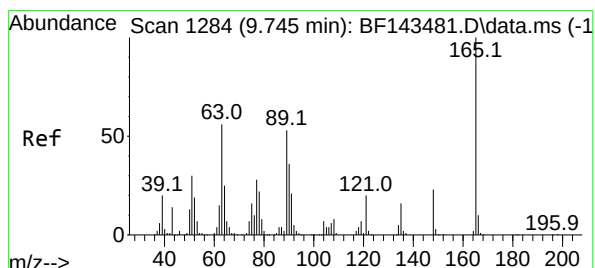
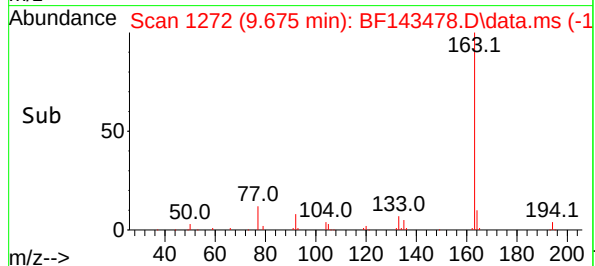
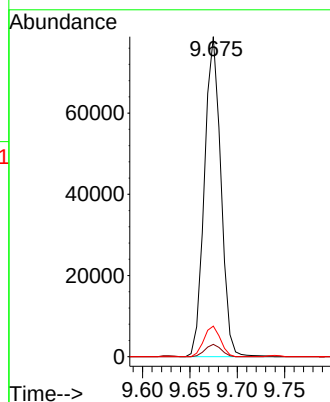
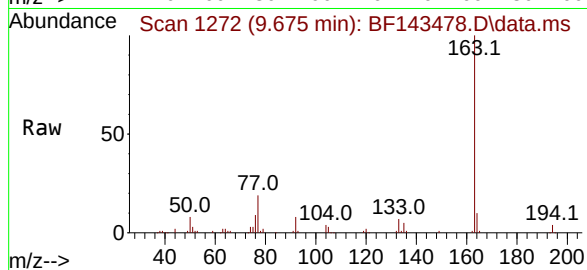
Tgt Ion:163 Resp: 95475

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

164 9.5 8.2 12.2



#51

2,6-Dinitrotoluene

Concen: 4.480 ng

RT: 9.739 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

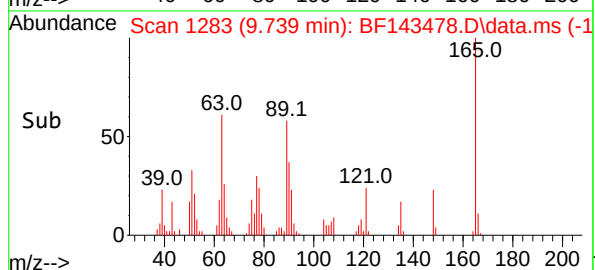
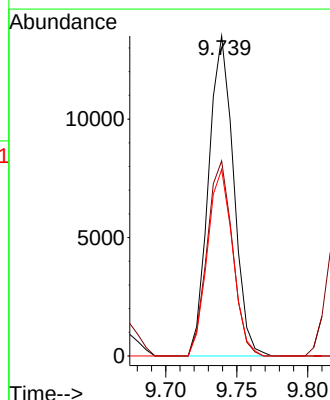
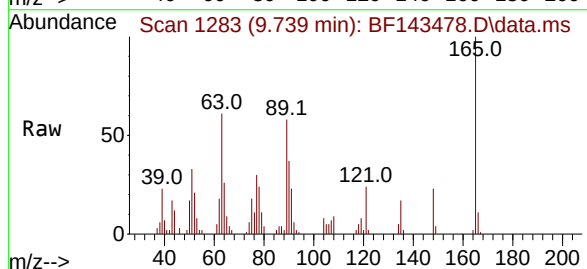
Tgt Ion:165 Resp: 16519

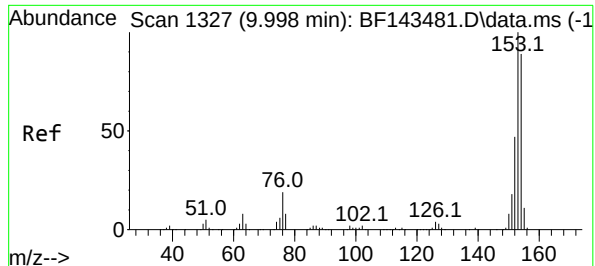
Ion Ratio Lower Upper

165 100

63 61.0 45.0 67.6

89 58.3 42.5 63.7





#52

Acenaphthene

Concen: 5.402 ng

RT: 9.998 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

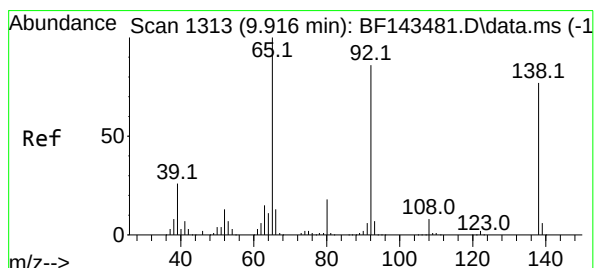
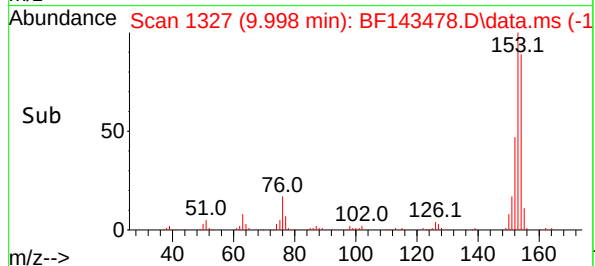
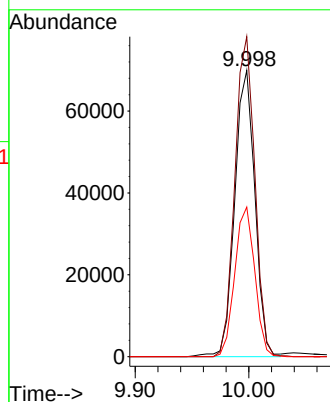
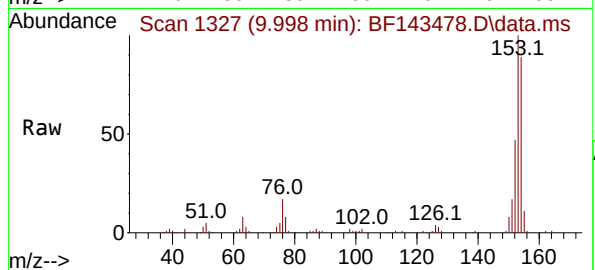
Tgt Ion:154 Resp: 86399

Ion Ratio Lower Upper

154 100

153 111.8 89.5 134.3

152 52.3 42.5 63.7



#53

3-Nitroaniline

Concen: 4.817 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

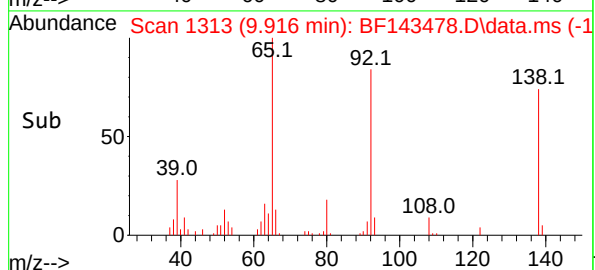
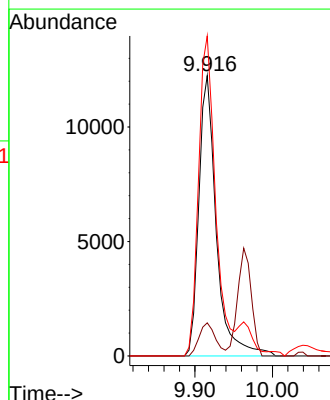
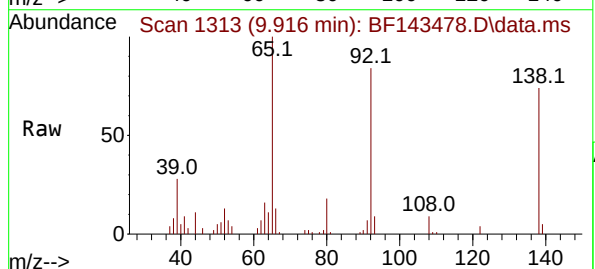
Tgt Ion:138 Resp: 19195

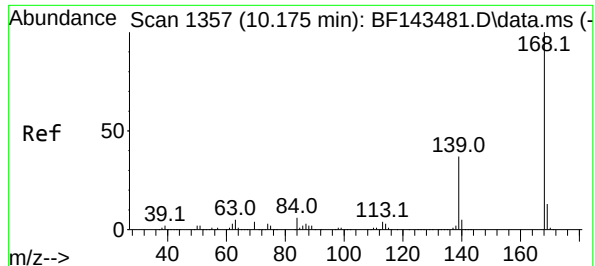
Ion Ratio Lower Upper

138 100

108 11.8 8.6 13.0

92 114.1 89.8 134.8





#55

Dibenzenofuran

Concen: 5.561 ng

RT: 10.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

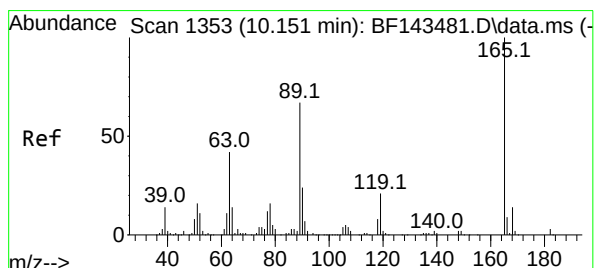
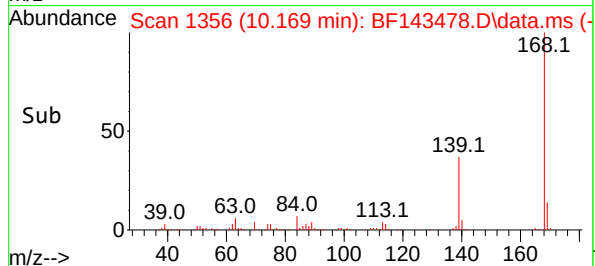
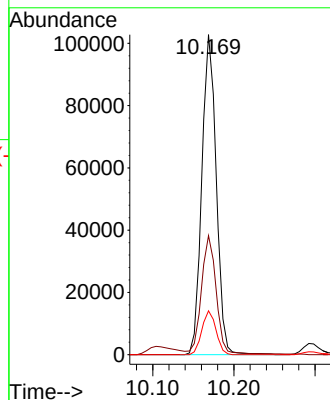
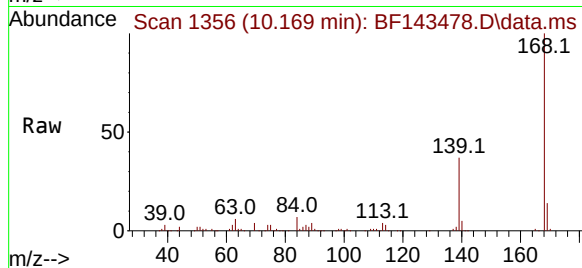
Tgt Ion:168 Resp: 126806

Ion Ratio Lower Upper

168 100

139 37.2 29.8 44.6

169 13.7 10.8 16.2



#57

2,4-Dinitrotoluene

Concen: 4.382 ng

RT: 10.145 min Scan# 1352

Delta R.T. -0.012 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Tgt Ion:165 Resp: 21578

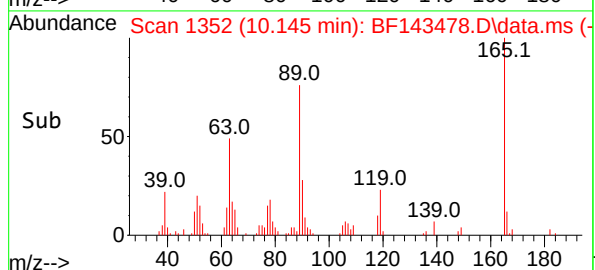
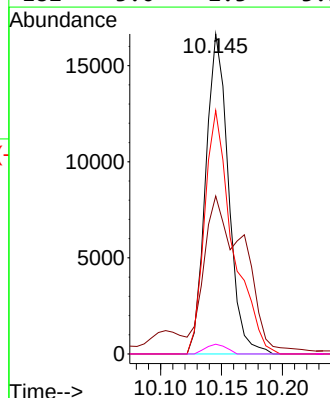
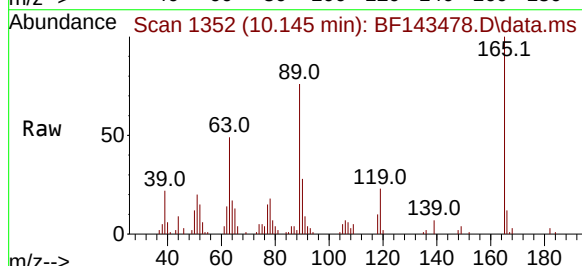
Ion Ratio Lower Upper

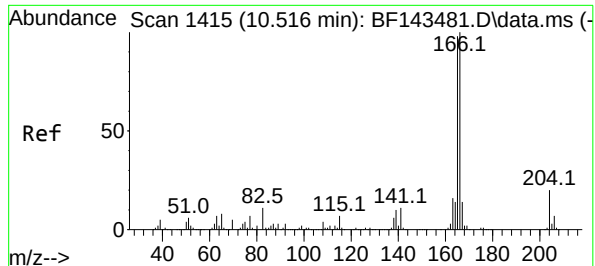
165 100

63 49.3 34.9 52.3

89 76.0 53.3 79.9

182 3.0 2.3 3.5





#58

Fluorene

Concen: 5.751 ng

RT: 10.510 min Scan# 1415

Delta R.T. -0.012 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

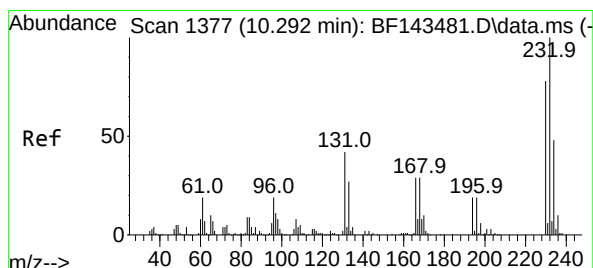
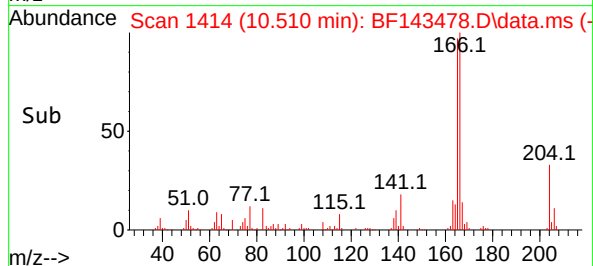
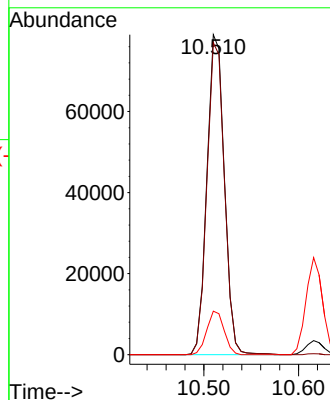
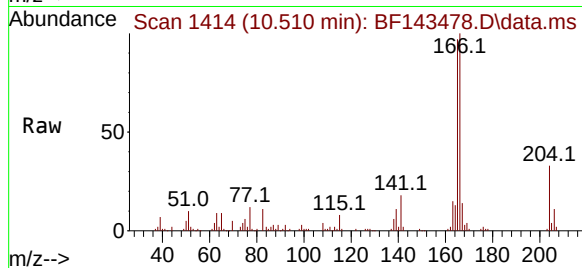
Tgt Ion:166 Resp: 100926

Ion Ratio Lower Upper

166 100

165 97.5 78.3 117.5

167 13.6 11.0 16.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.576 ng

RT: 10.298 min Scan# 1378

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Tgt Ion:232 Resp: 19308

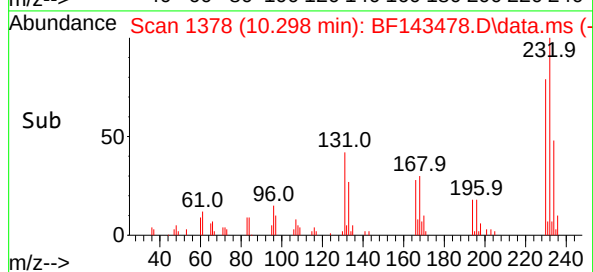
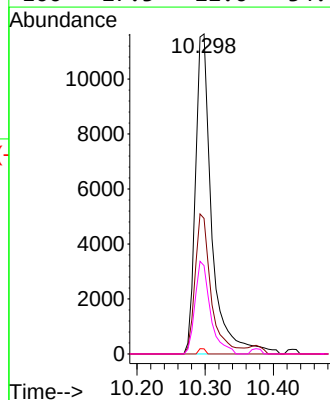
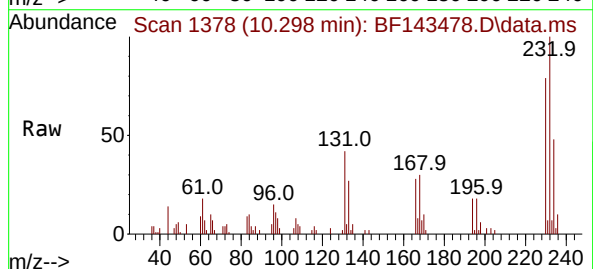
Ion Ratio Lower Upper

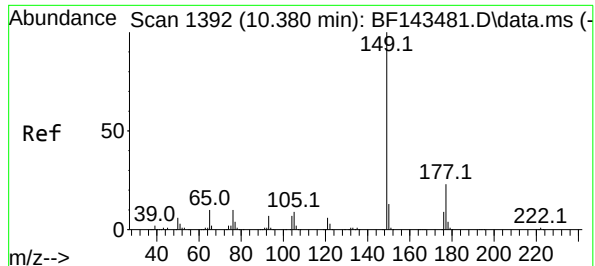
232 100

131 43.1 32.7 49.1

130 0.7 1.6 2.4#

166 27.3 22.6 34.0





#60

Diethylphthalate

Concen: 5.425 ng

RT: 10.375 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

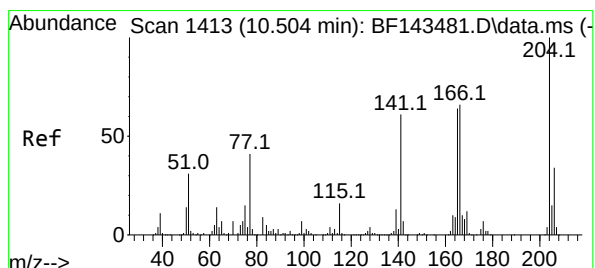
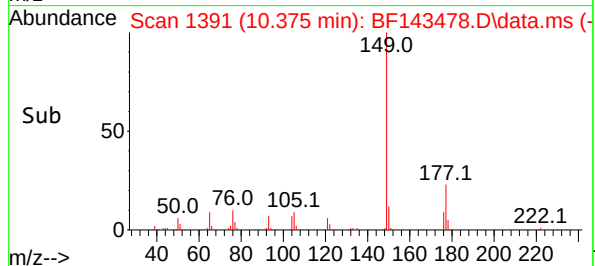
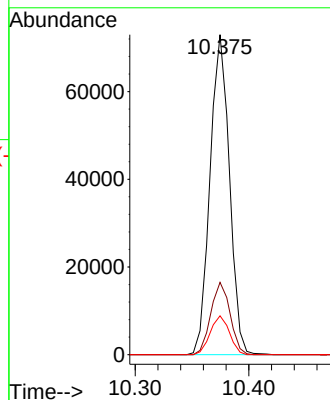
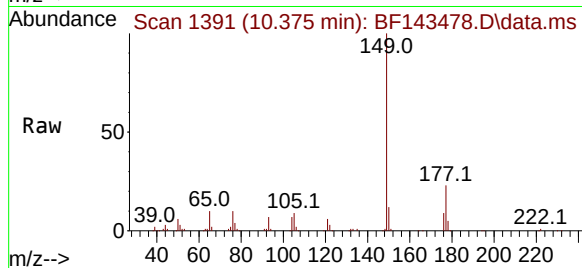
Tgt Ion:149 Resp: 86539

Ion Ratio Lower Upper

149 100

177 22.6 18.3 27.5

150 12.2 10.3 15.5



#61

4-Chlorophenyl-phenylether

Concen: 5.647 ng

RT: 10.504 min Scan# 1413

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

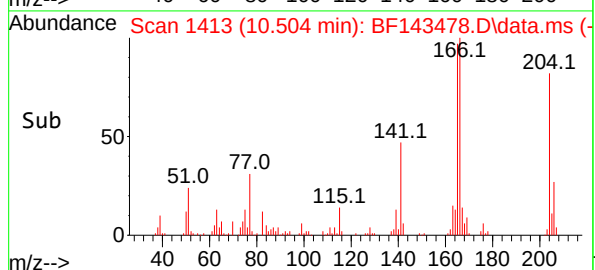
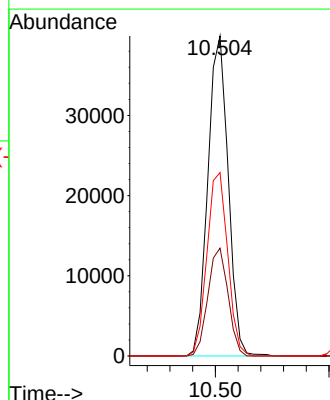
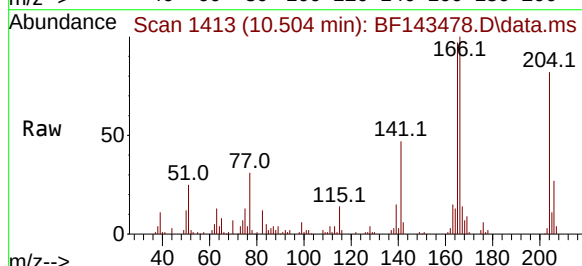
Tgt Ion:204 Resp: 49563

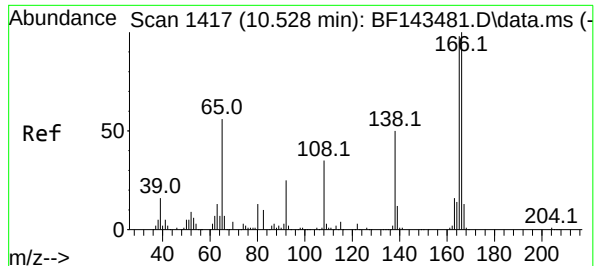
Ion Ratio Lower Upper

204 100

206 33.7 27.0 40.4

141 57.3 48.7 73.1

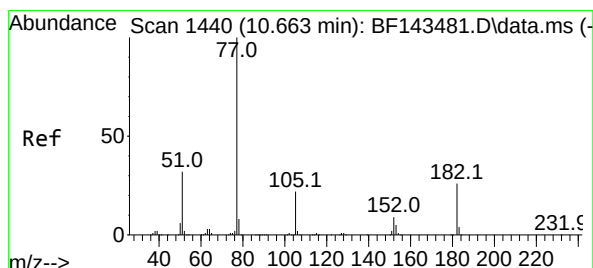
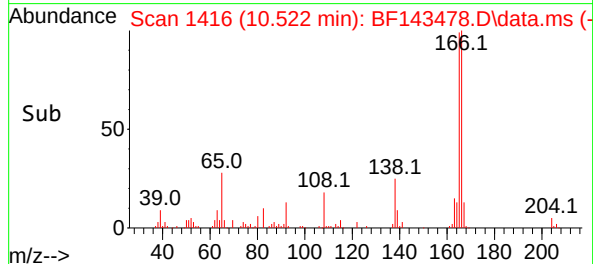
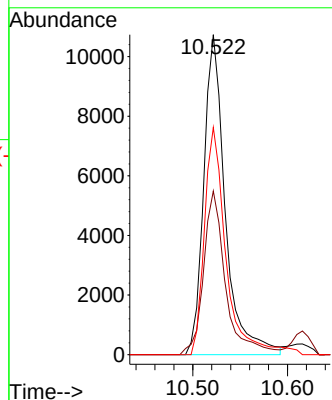
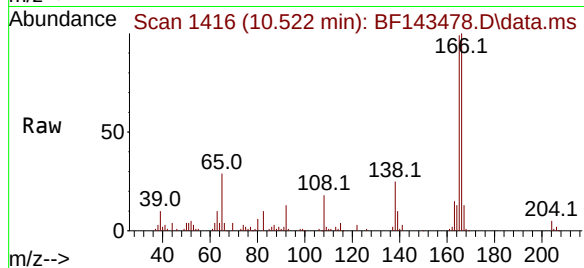




#62
4-Nitroaniline
Concen: 4.645 ng
RT: 10.522 min Scan# 1417
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

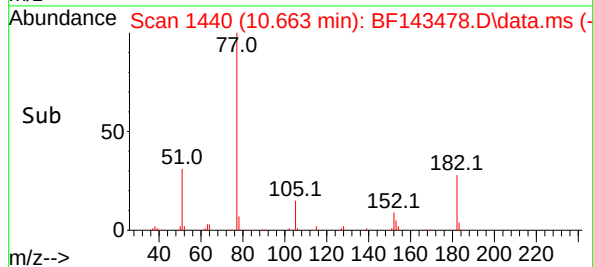
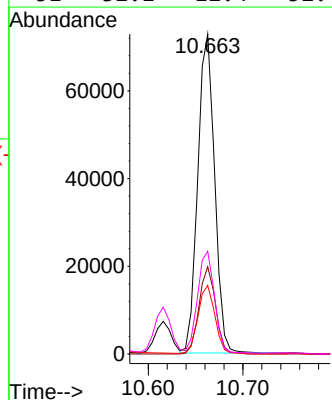
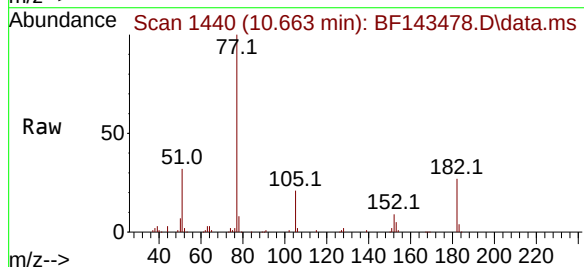
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

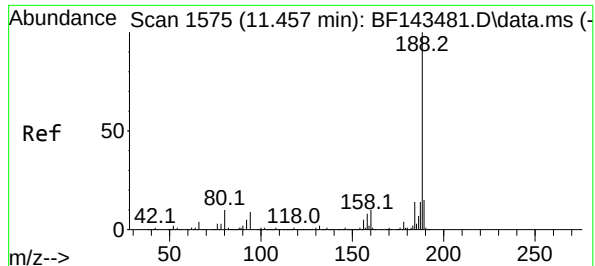
Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.2	29.3	69.3
108	71.0	50.7	90.7



#63
Azobenzene
Concen: 5.452 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.2	46.2
105	21.4	2.2	42.2
51	32.1	12.4	52.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

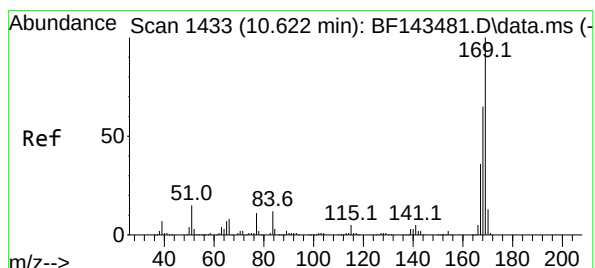
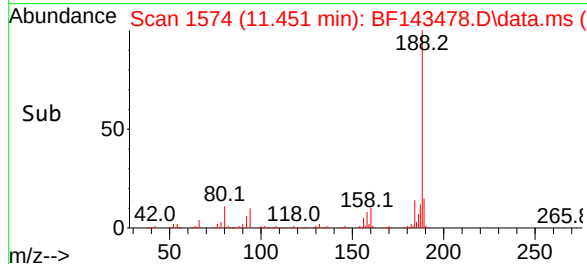
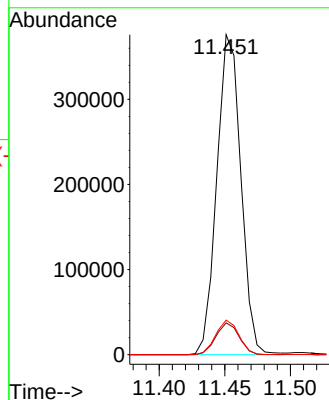
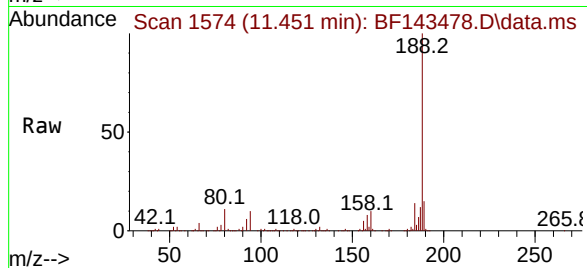
Tgt Ion:188 Resp: 479059

Ion Ratio Lower Upper

188 100

94 9.9 7.4 11.2

80 10.8 8.2 12.4



#66

n-Nitrosodiphenylamine

Concen: 5.314 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.012 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

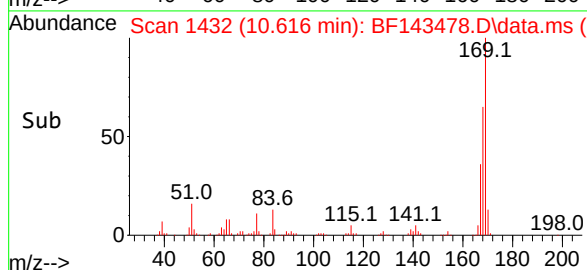
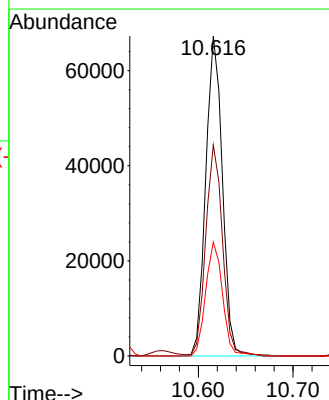
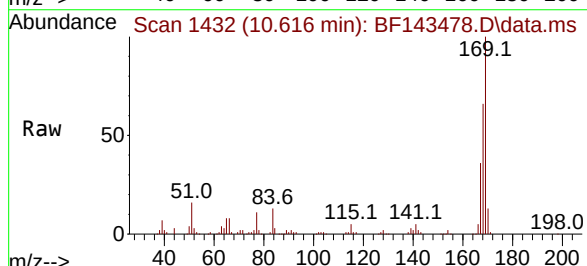
Tgt Ion:169 Resp: 81920

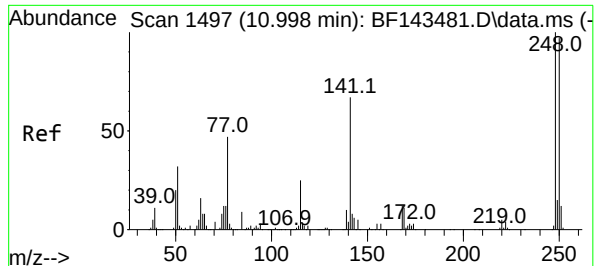
Ion Ratio Lower Upper

169 100

168 66.0 52.4 78.6

167 35.6 28.9 43.3

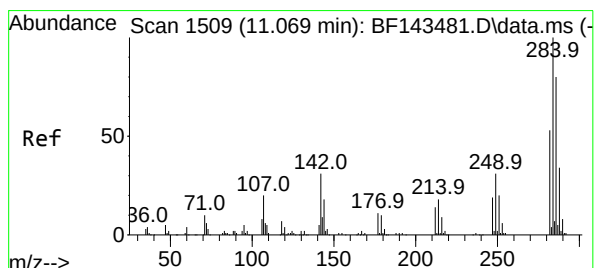
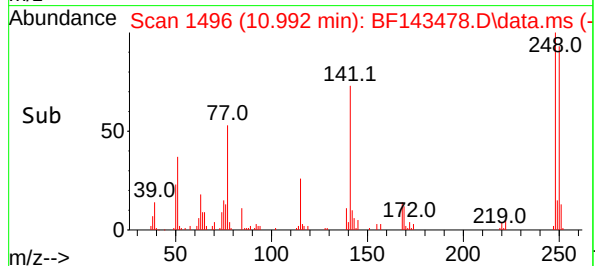
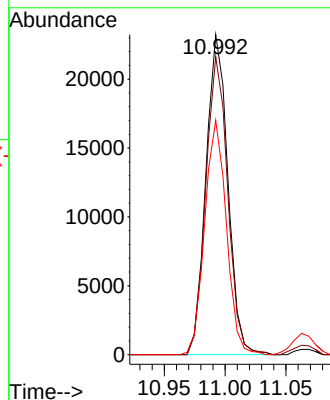
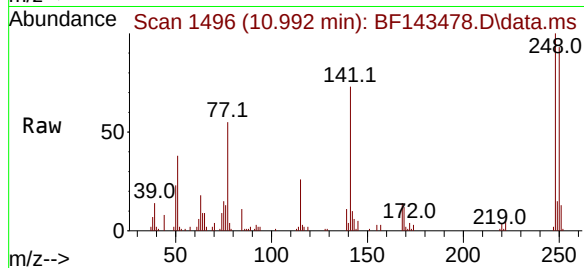




#67
4-Bromophenyl-phenylether
Concen: 5.098 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

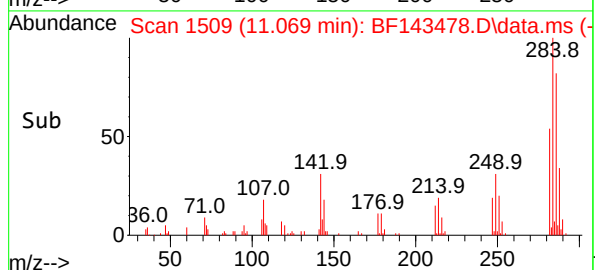
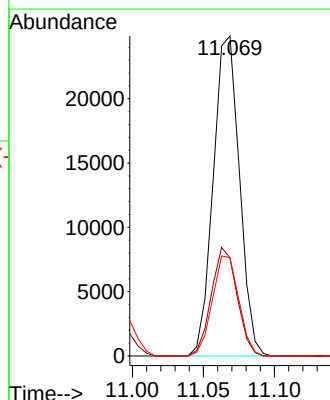
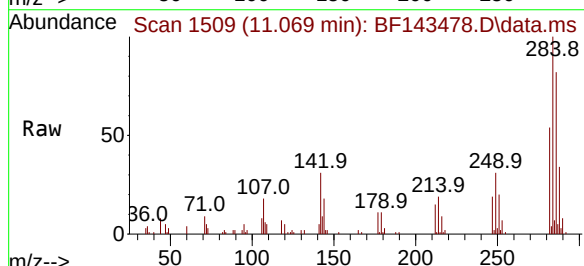
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

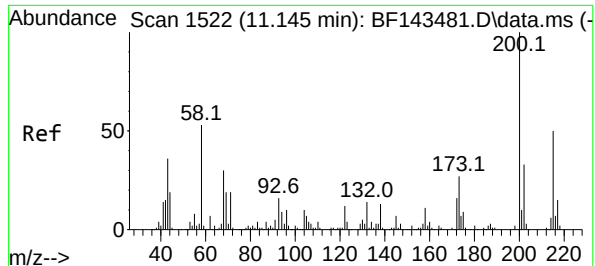
Tgt Ion	Ratio	Lower	Upper
248	100		
250	93.1	77.8	116.8
141	73.2	54.0	81.0



#68
Hexachlorobenzene
Concen: 5.178 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.6	24.4	36.6
249	30.7	25.0	37.6





#69

Atrazine

Concen: 4.637 ng

RT: 11.139 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

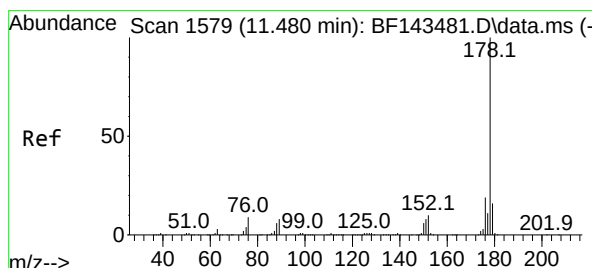
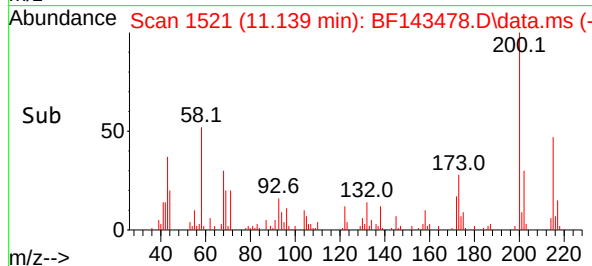
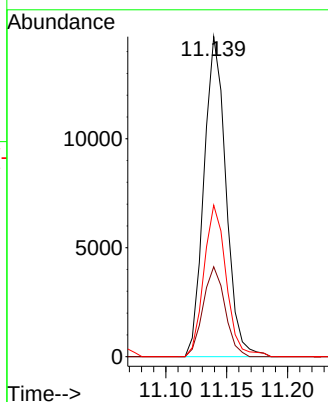
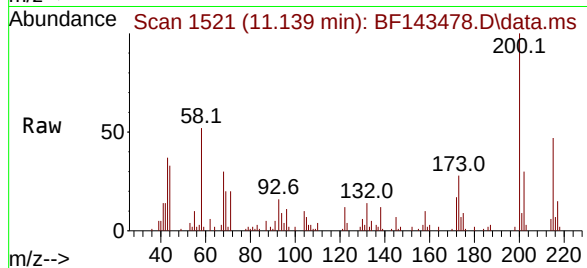
Tgt Ion:200 Resp: 18453

Ion Ratio Lower Upper

200 100

173 28.1 6.9 46.9

215 47.4 30.0 70.0



#71

Phenanthrene

Concen: 5.548 ng

RT: 11.475 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

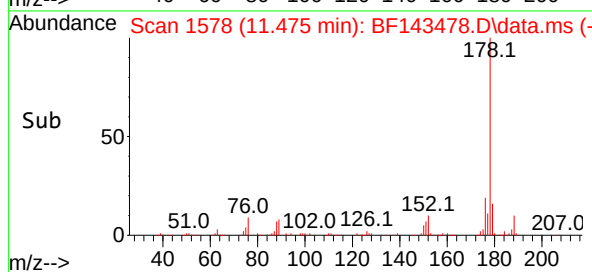
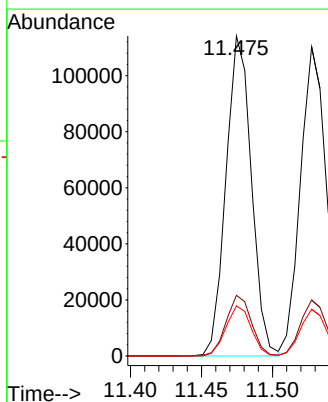
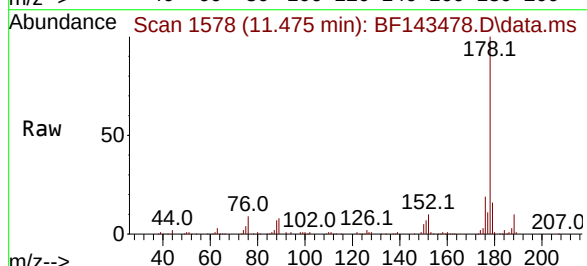
Tgt Ion:178 Resp: 142334

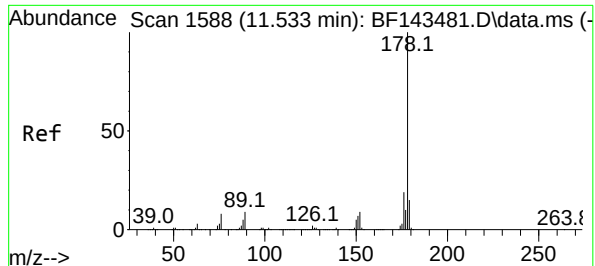
Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.7 12.5 18.7

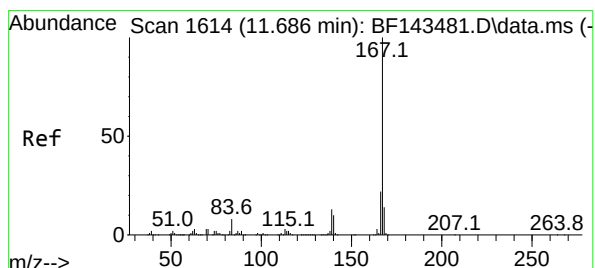
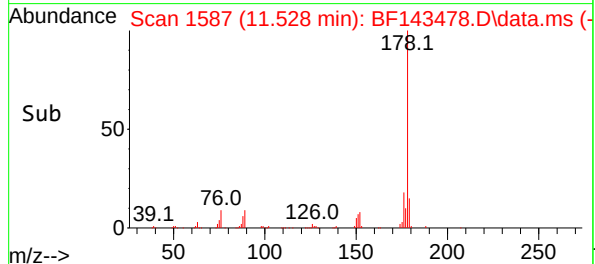
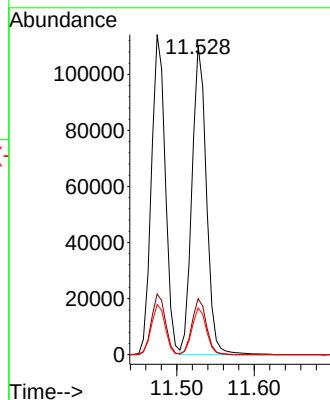
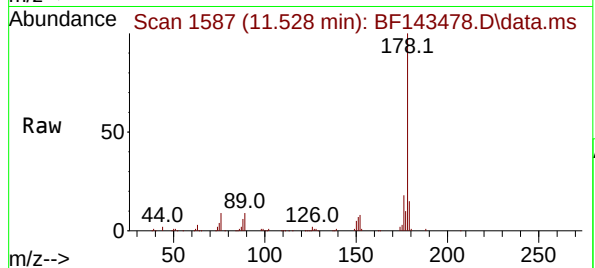




#72
Anthracene
Concen: 5.490 ng
RT: 11.528 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

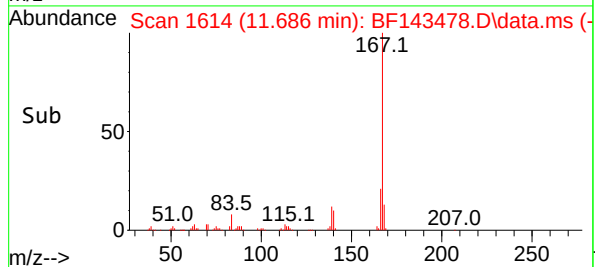
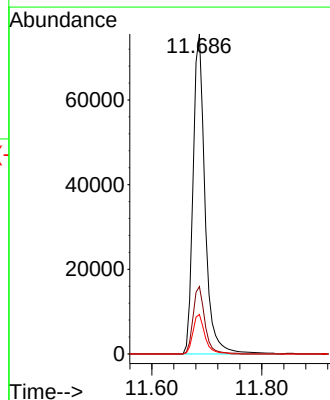
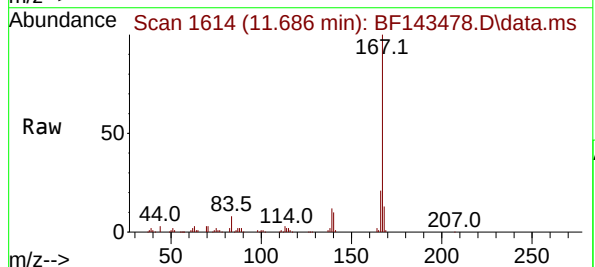
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

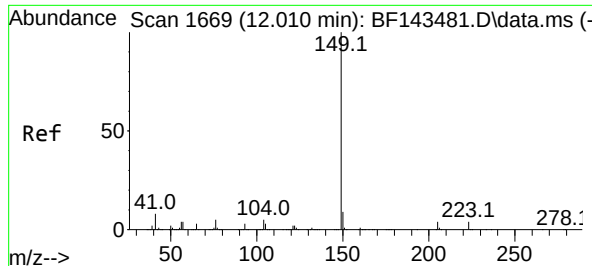
Tgt Ion:178 Resp: 142673
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.4
179 15.1 12.3 18.5



#73
Carbazole
Concen: 5.339 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:167 Resp: 113696
Ion Ratio Lower Upper
167 100
166 21.0 17.3 25.9
139 12.3 10.0 15.0

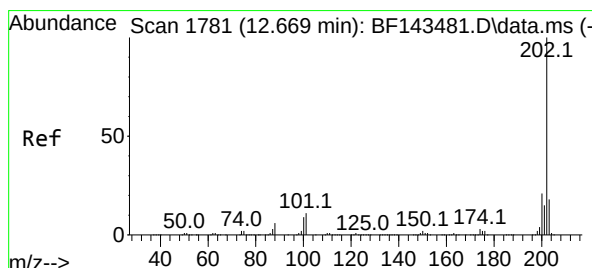
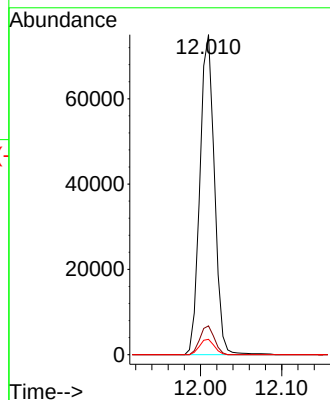
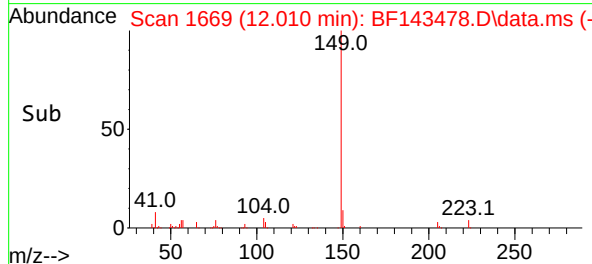
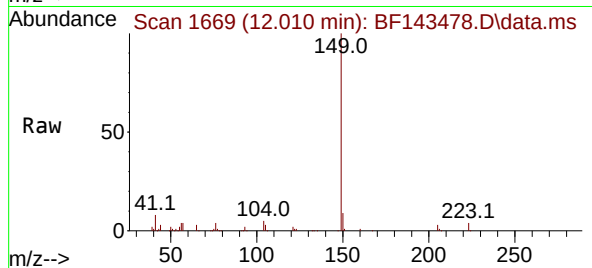




#74
Di-n-butylphthalate
Concen: 4.712 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

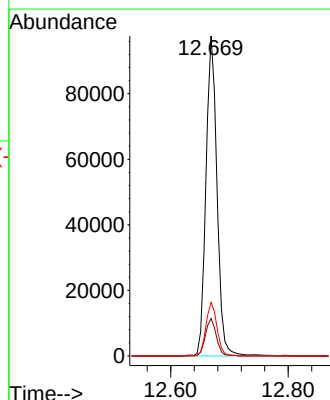
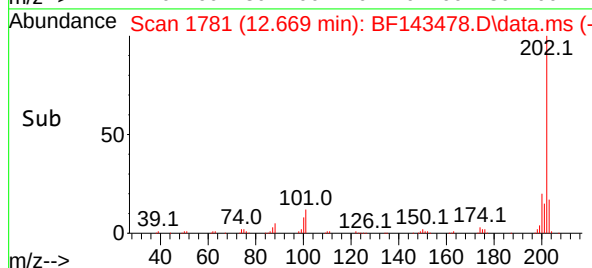
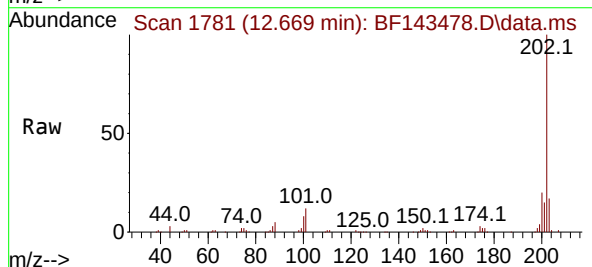
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

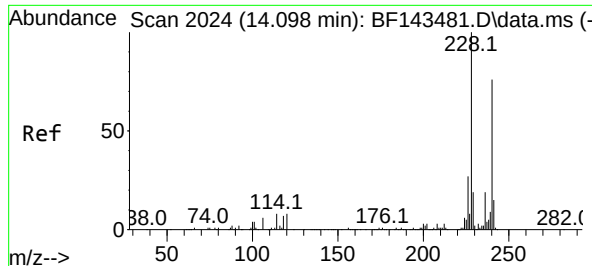
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	4.8	3.6	5.4



#75
Fluoranthene
Concen: 5.518 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

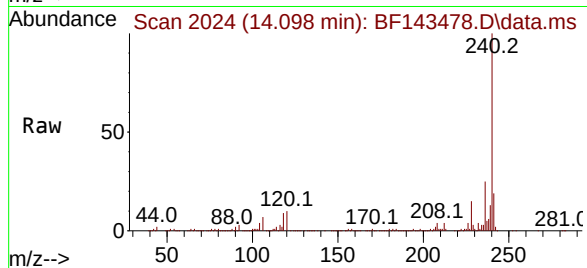
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.3
203	16.7	0.0	37.9



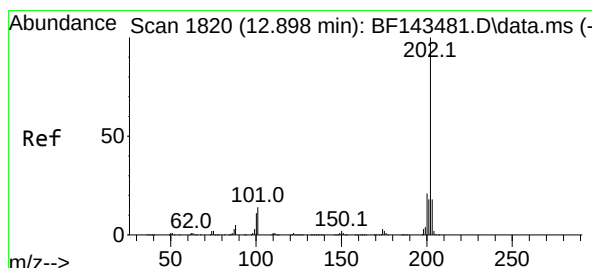
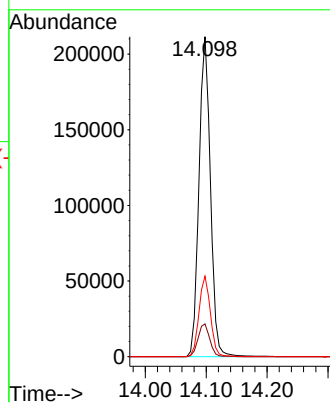
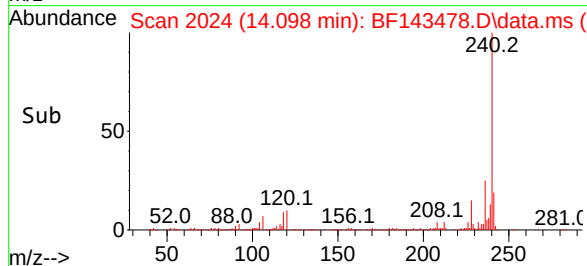


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

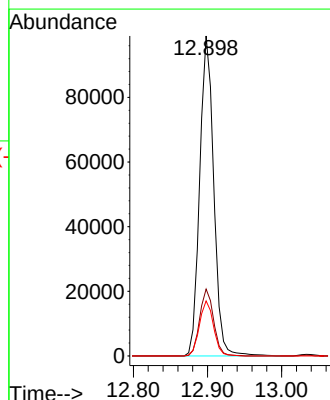
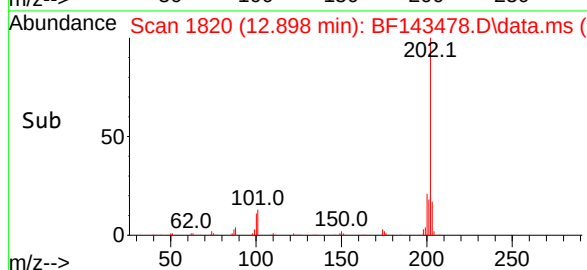
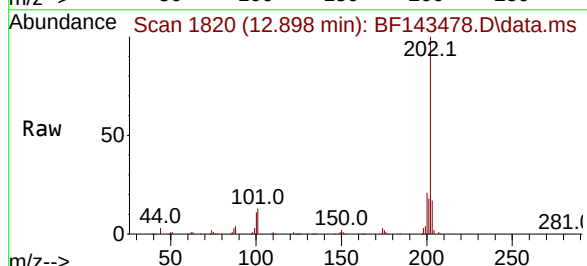


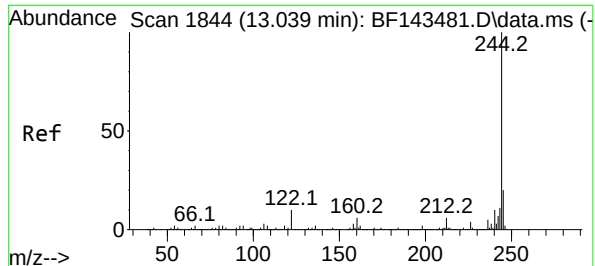
Tgt Ion:240 Resp: 275807
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 25.1 20.4 30.6



#78
Pyrene
Concen: 5.748 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:202 Resp: 130407
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.2 14.3 21.5





#79

Terphenyl-d14

Concen: 11.698 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

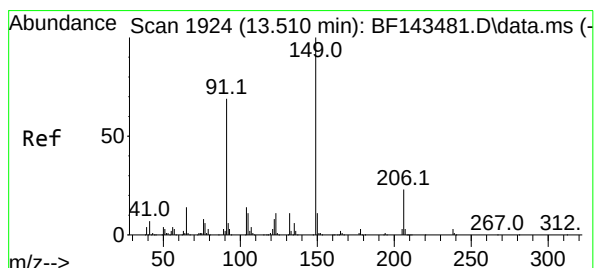
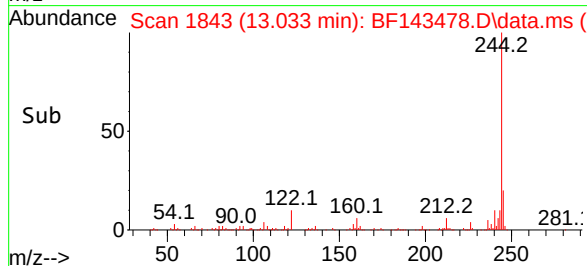
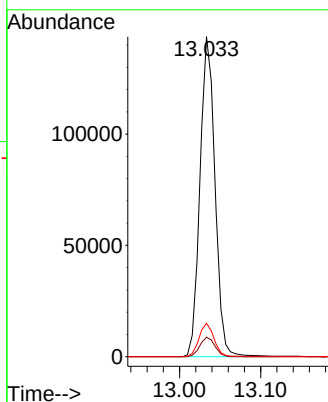
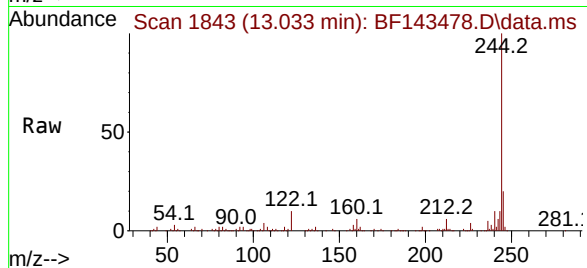
Tgt Ion:244 Resp: 184897

Ion Ratio Lower Upper

244 100

212 6.1 5.2 7.8

122 10.4 7.9 11.9



#80

Butylbenzylphthalate

Concen: 4.223 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

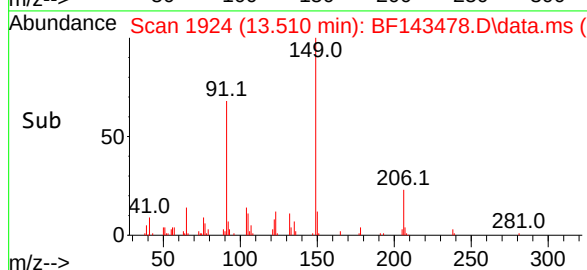
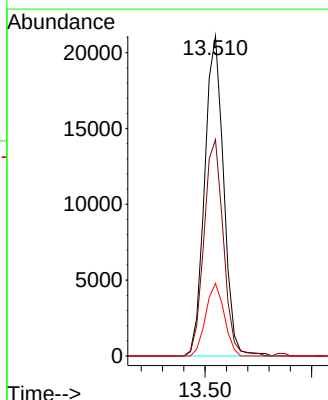
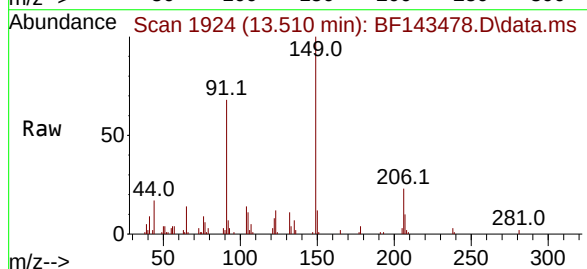
Tgt Ion:149 Resp: 26173

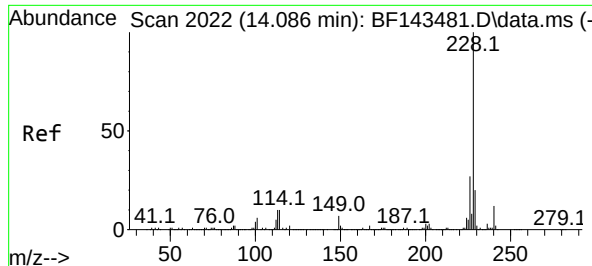
Ion Ratio Lower Upper

149 100

91 67.6 55.3 82.9

206 22.6 18.2 27.4

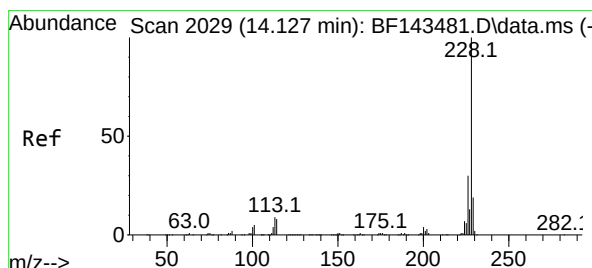
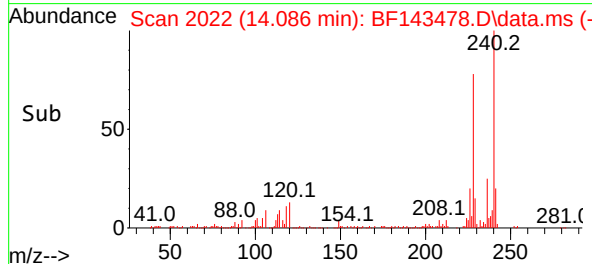
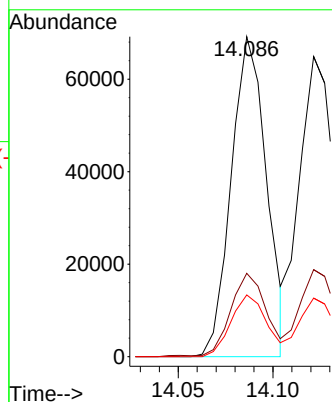
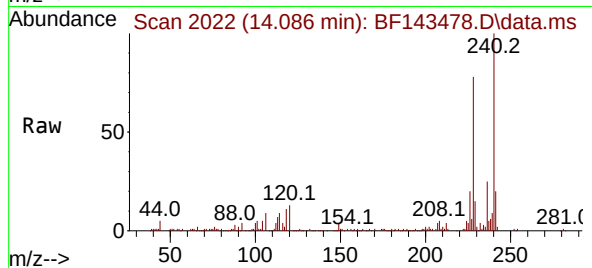




#81
Benzo(a)anthracene
Concen: 5.055 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

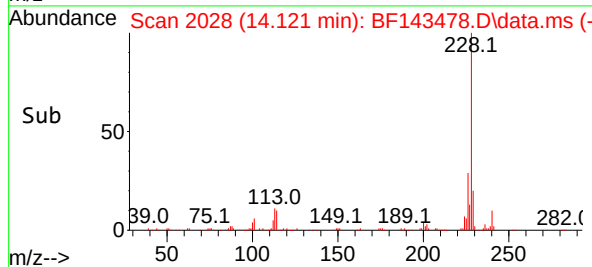
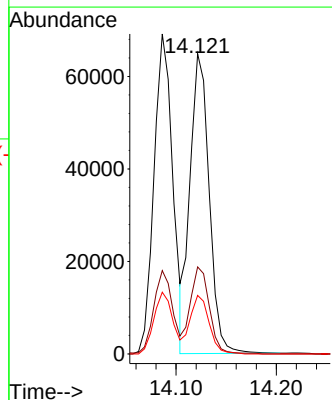
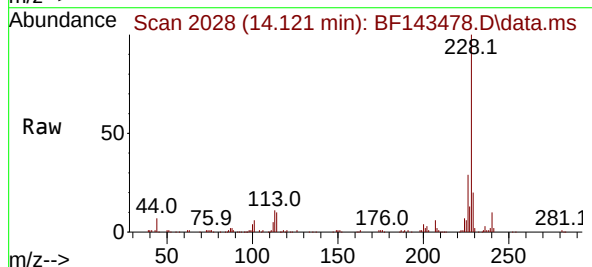
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

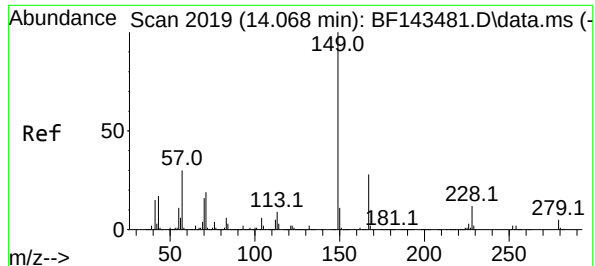
Tgt Ion:228 Resp: 89757
Ion Ratio Lower Upper
228 100
226 26.1 21.7 32.5
229 19.3 15.7 23.5



#83
Chrysene
Concen: 5.408 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:228 Resp: 86291
Ion Ratio Lower Upper
228 100
226 29.0 23.7 35.5
229 19.5 15.7 23.5

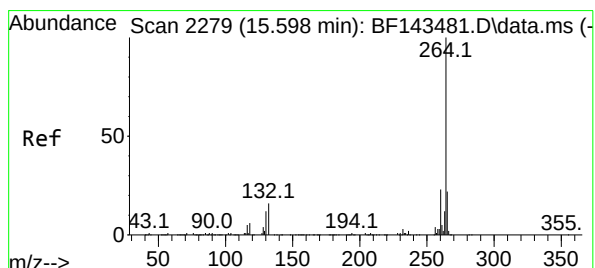
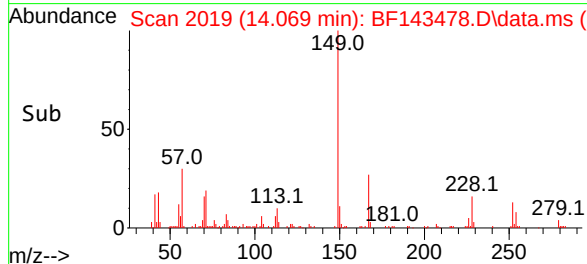
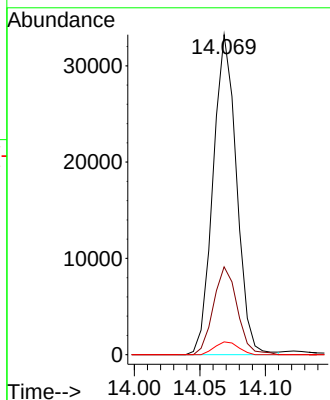
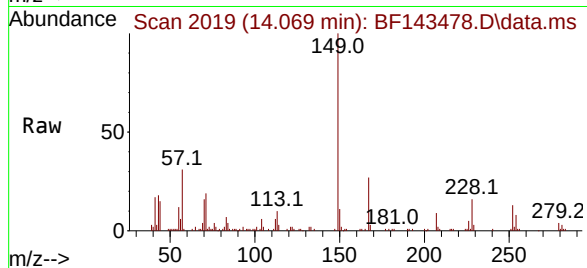




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.380 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

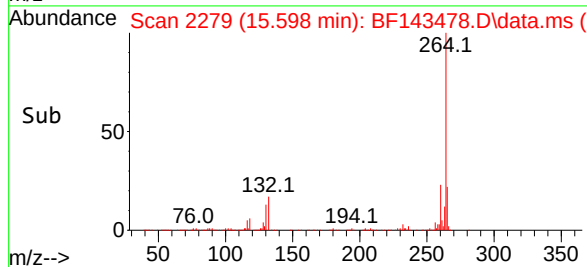
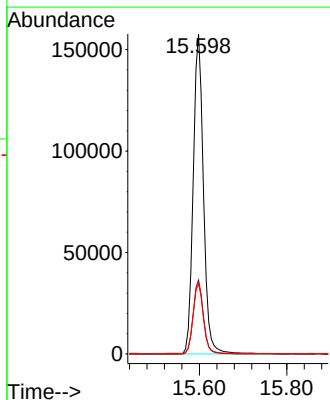
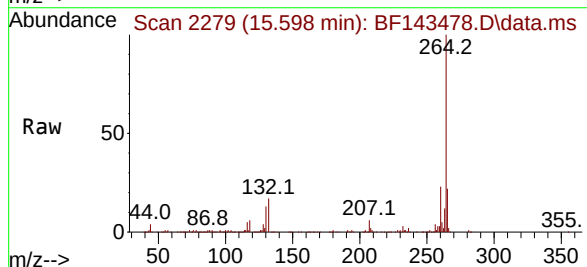
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

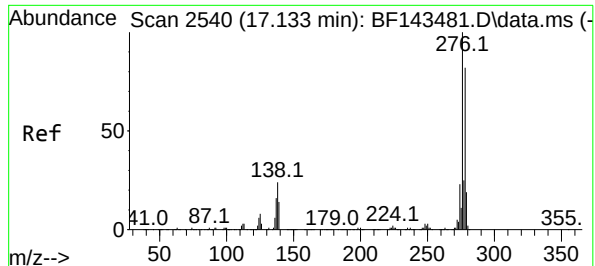
Tgt Ion:149 Resp: 41348
Ion Ratio Lower Upper
149 100
167 27.5 22.2 33.2
279 4.0 3.6 5.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:264 Resp: 257255
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 22.0 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.958 ng

RT: 17.121 min Scan# 2538

Delta R.T. -0.018 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

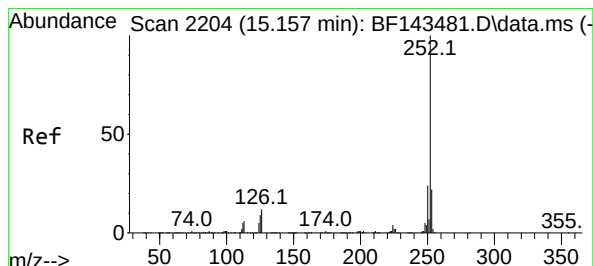
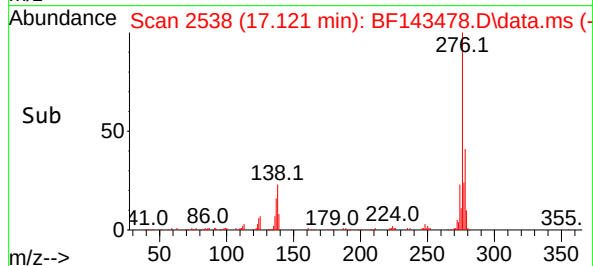
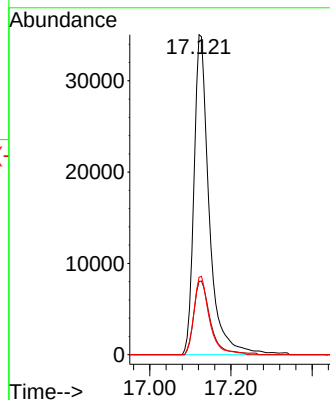
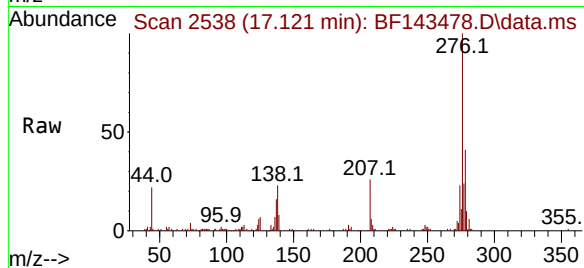
Tgt Ion:276 Resp: 91654

Ion Ratio Lower Upper

276 100

138 24.9 19.2 28.8

277 24.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.104 ng

RT: 15.157 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

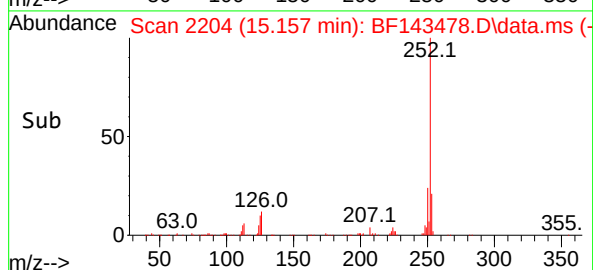
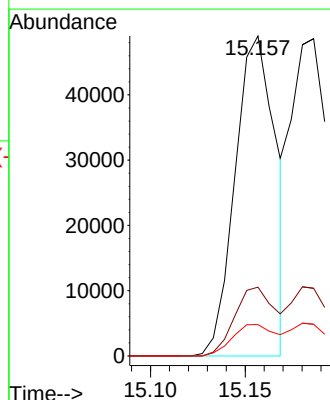
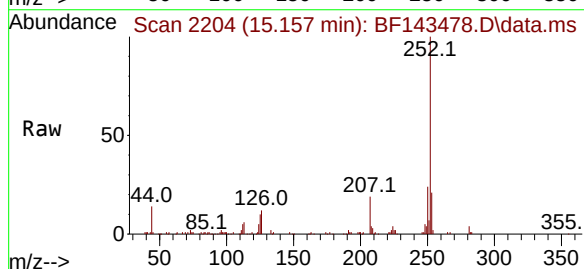
Tgt Ion:252 Resp: 72988

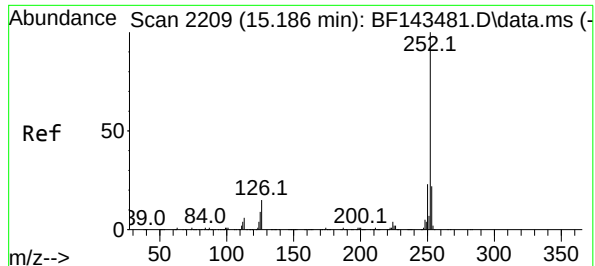
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 9.8 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 5.437 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

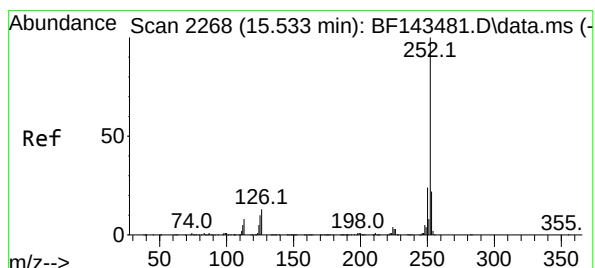
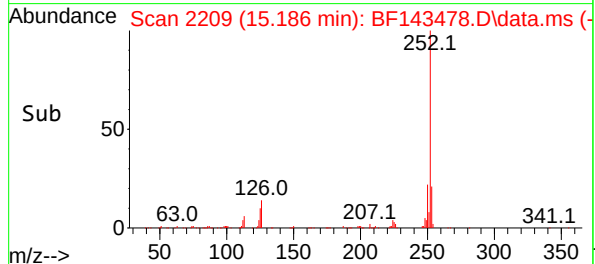
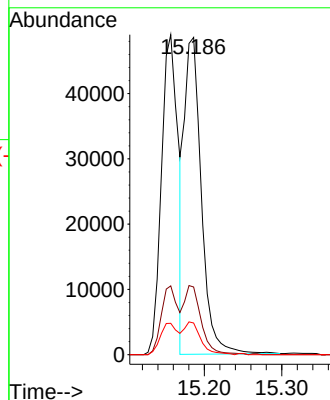
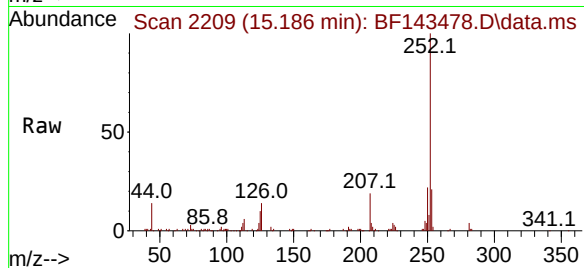
Tgt Ion:252 Resp: 74440

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 10.0 7.4 11.0



#90

Benzo(a)pyrene

Concen: 5.004 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

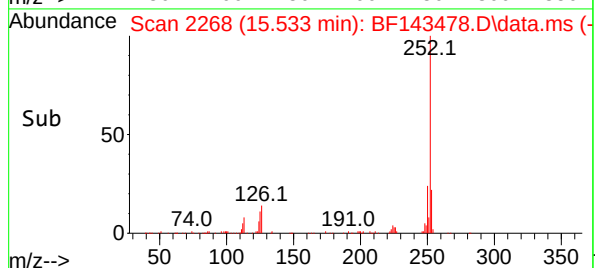
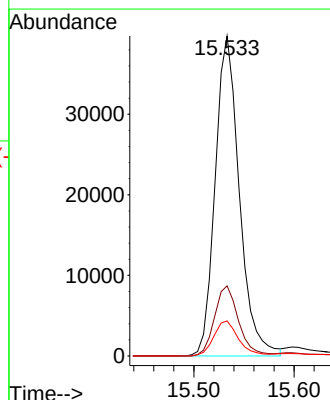
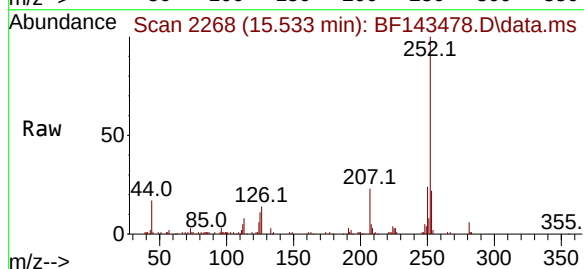
Tgt Ion:252 Resp: 66416

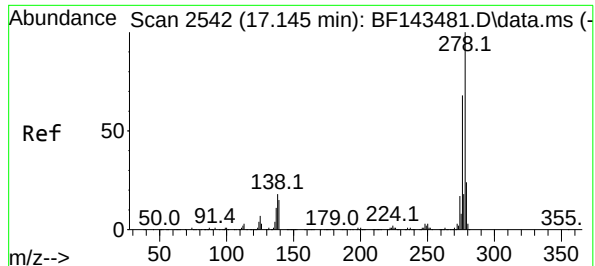
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 10.9 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 4.946 ng

RT: 17.139 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

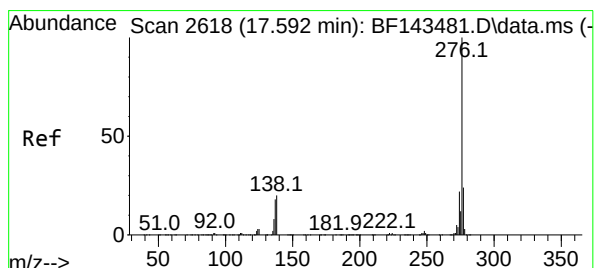
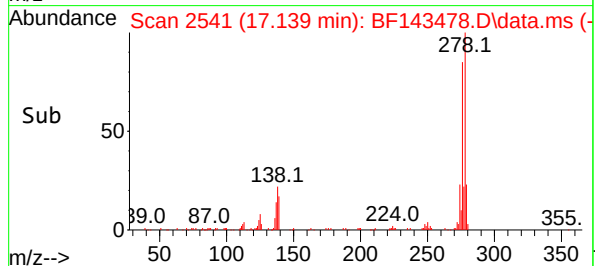
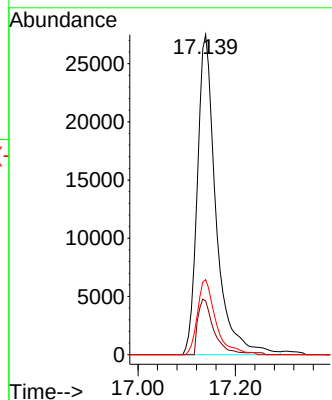
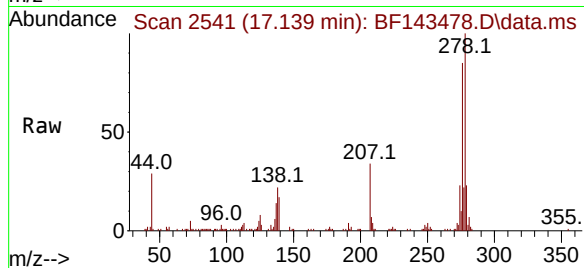
Tgt Ion:278 Resp: 73229

Ion Ratio Lower Upper

278 100

139 16.8 12.1 18.1

279 23.4 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 4.928 ng

RT: 17.586 min Scan# 2617

Delta R.T. -0.018 min

Lab File: BF143478.D

Acq: 20 Aug 2025 11:25

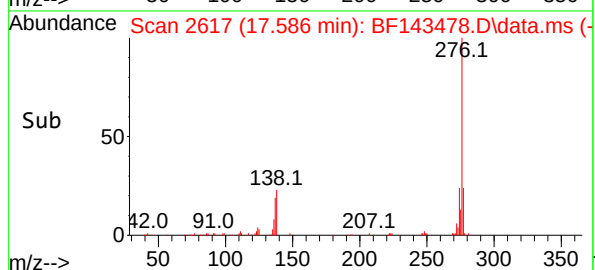
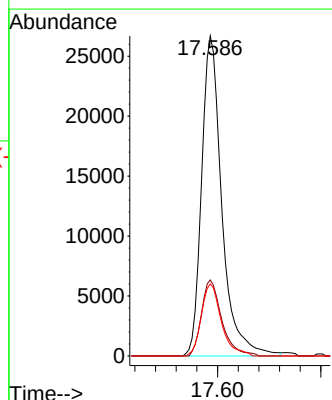
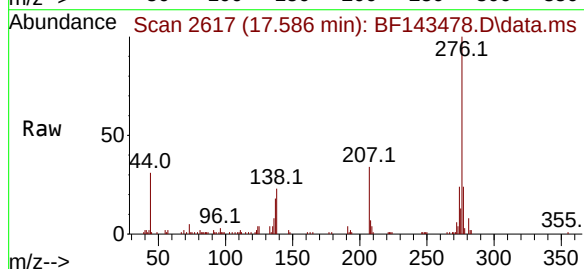
Tgt Ion:276 Resp: 72556

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 22.5 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143479.D
 Acq On : 20 Aug 2025 11:54
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 20 16:20:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	138225	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	525191	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	291754	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	461672	20.000	ng	0.00
76) Chrysene-d12	14.098	240	274933	20.000	ng	0.00
86) Perylene-d12	15.598	264	265385	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	165533	20.911	ng	0.00
7) Phenol-d6	6.557	99	201752	20.646	ng	-0.02
23) Nitrobenzene-d5	7.481	82	181268	20.141	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	54980	20.244	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	389874	22.085	ng	0.00
79) Terphenyl-d14	13.033	244	344924	21.893	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	36526	9.961	ng	99
3) Pyridine	3.540	79	96225	9.852	ng	99
4) n-Nitrosodimethylamine	3.451	42	41741	9.507	ng	# 97
6) Aniline	6.587	93	136107	10.420	ng	98
8) 2-Chlorophenol	6.716	128	88766	10.152	ng	98
9) Benzaldehyde	6.475	77	69636	8.802	ng	99
10) Phenol	6.569	94	117160	10.408	ng	82
11) bis(2-Chloroethyl)ether	6.651	93	84985	10.102	ng	97
12) 1,3-Dichlorobenzene	6.869	146	100273	10.207	ng	100
13) 1,4-Dichlorobenzene	6.945	146	102802	10.432	ng	97
14) 1,2-Dichlorobenzene	7.098	146	97628	10.464	ng	99
15) Benzyl Alcohol	7.063	79	71642	9.792	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	145437	10.806	ng	99
17) 2-Methylphenol	7.181	107	71996	10.260	ng	95
18) Hexachloroethane	7.439	117	34428	10.276	ng	98
19) n-Nitroso-di-n-propyla...	7.328	70	63026	10.552	ng	98
20) 3+4-Methylphenols	7.334	107	92430	11.034	ng	99
22) Acetophenone	7.328	105	121914	10.745	ng	97
24) Nitrobenzene	7.504	77	92261	9.960	ng	99
25) Isophorone	7.739	82	165391	10.025	ng	99
26) 2-Nitrophenol	7.822	139	43444	9.575	ng	98
27) 2,4-Dimethylphenol	7.857	122	71477	10.105	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	104720	10.329	ng	98
29) 2,4-Dichlorophenol	8.069	162	78518	10.394	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	78780	10.143	ng	100
31) Naphthalene	8.228	128	264837	10.503	ng	100
32) Benzoic acid	7.957	122	22608	10.817	ng	96
33) 4-Chloroaniline	8.281	127	90644	10.129	ng	98
34) Hexachlorobutadiene	8.351	225	52299	10.321	ng	99
35) Caprolactam	8.616	113	16494	9.099	ng	98
36) 4-Chloro-3-methylphenol	8.757	107	76657	10.126	ng	99
37) 2-Methylnaphthalene	8.922	142	179574	10.663	ng	99
38) 1-Methylnaphthalene	9.022	142	170845	10.606	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	85181	10.207	ng	99
41) Hexachlorocyclopentadiene	9.080	237	14243	10.484	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	50602	9.854	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143479.D
 Acq On : 20 Aug 2025 11:54
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 20 16:20:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

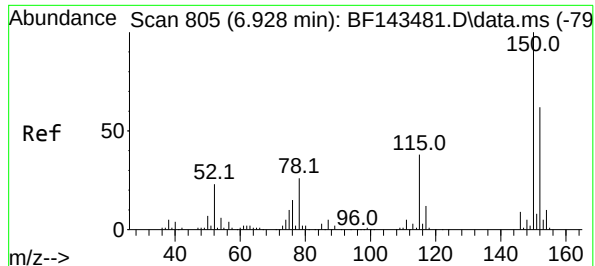
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	54832	9.775	ng	97
46) 1,1'-Biphenyl	9.380	154	219538	10.602	ng	98
47) 2-Chloronaphthalene	9.410	162	169967	10.461	ng	99
48) 2-Nitroaniline	9.504	65	45630	9.596	ng	97
49) Acenaphthylene	9.827	152	242638	10.429	ng	99
50) Dimethylphthalate	9.675	163	177820	10.120	ng	99
51) 2,6-Dinitrotoluene	9.739	165	34570	9.493	ng	98
52) Acenaphthene	9.998	154	164918	10.441	ng	100
53) 3-Nitroaniline	9.910	138	37475	9.523	ng	97
54) 2,4-Dinitrophenol	10.027	184	10431	10.295	ng	87
55) Dibenzofuran	10.169	168	237099	10.528	ng	99
56) 4-Nitrophenol	10.092	139	16733	7.146	ng	98
57) 2,4-Dinitrotoluene	10.145	165	46361	9.534	ng	96
58) Fluorene	10.510	166	187535	10.820	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	38561	9.253	ng	# 98
60) Diethylphthalate	10.375	149	160006	10.156	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	90965	10.494	ng	97
62) 4-Nitroaniline	10.522	138	34518	9.550	ng	98
63) Azobenzene	10.663	77	168373	10.307	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	19659	7.552	ng	95
66) n-Nitrosodiphenylamine	10.616	169	152607	10.271	ng	98
67) 4-Bromophenyl-phenylether	10.992	248	55324	10.043	ng	98
68) Hexachlorobenzene	11.069	284	60577	10.202	ng	98
69) Atrazine	11.139	200	36074	9.406	ng	98
70) Pentachlorophenol	11.269	266	20373	7.492	ng	98
71) Phenanthrene	11.474	178	259254	10.486	ng	99
72) Anthracene	11.527	178	263998	10.541	ng	99
73) Carbazole	11.680	167	213439	10.400	ng	99
74) Di-n-butylphthalate	12.010	149	184596	9.642	ng	99
75) Fluoranthene	12.668	202	235543	10.618	ng	99
77) Benzidine	12.786	184	84040	12.549	ng	99
78) Pyrene	12.898	202	243049	10.747	ng	98
80) Butylbenzylphthalate	13.510	149	55227	8.939	ng	97
81) Benzo(a)anthracene	14.086	228	175192	9.898	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	48491	9.566	ng	97
83) Chrysene	14.121	228	164205	10.323	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	86065	9.146	ng	99
85) Di-n-octyl phthalate	14.680	149	155239	8.906	ng	100
87) Indeno(1,2,3-cd)pyrene	17.121	276	190133	9.970	ng	99
88) Benzo(b)fluoranthene	15.151	252	152145	10.314	ng	99
89) Benzo(k)fluoranthene	15.180	252	134513	9.524	ng	99
90) Benzo(a)pyrene	15.533	252	135536	9.898	ng	100
91) Dibenzo(a,h)anthracene	17.133	278	154454	10.113	ng	99
92) Benzo(g,h,i)perylene	17.580	276	149813	9.865	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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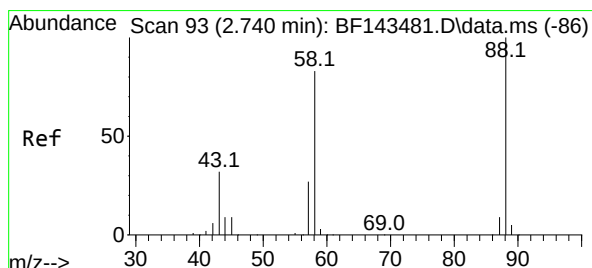
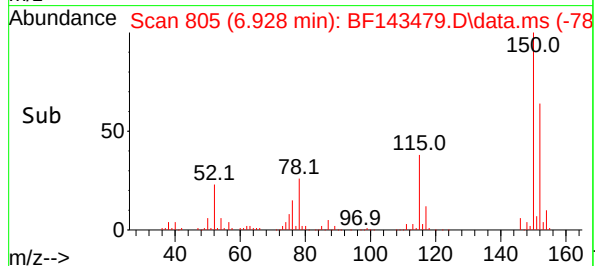
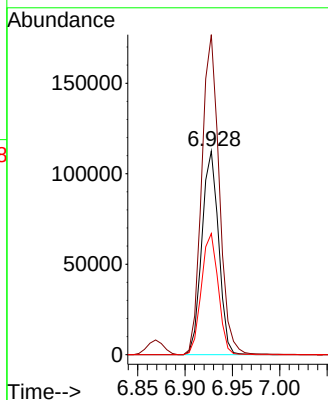
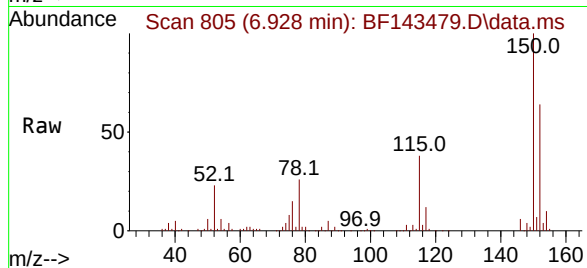




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

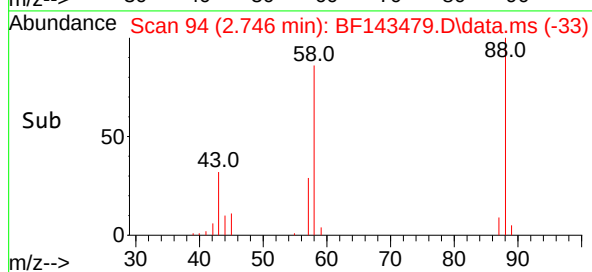
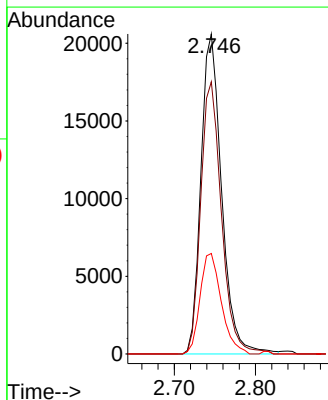
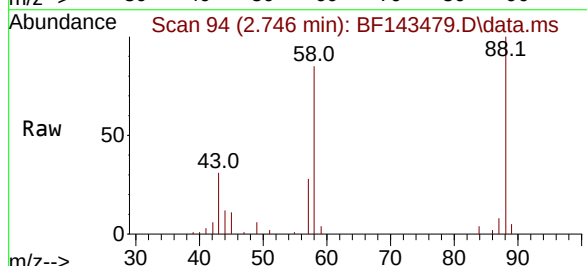
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

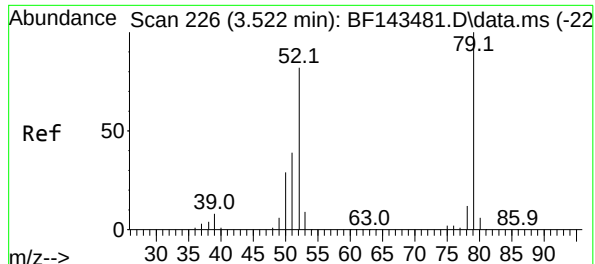
Tgt Ion:152 Resp: 138225
Ion Ratio Lower Upper
152 100
150 157.2 128.9 193.3
115 59.5 49.2 73.8



#2
1,4-Dioxane
Concen: 9.961 ng
RT: 2.746 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 88 Resp: 36526
Ion Ratio Lower Upper
88 100
58 84.9 66.7 100.1
43 32.3 25.8 38.8





#3

Pyridine

Concen: 9.852 ng

RT: 3.540 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

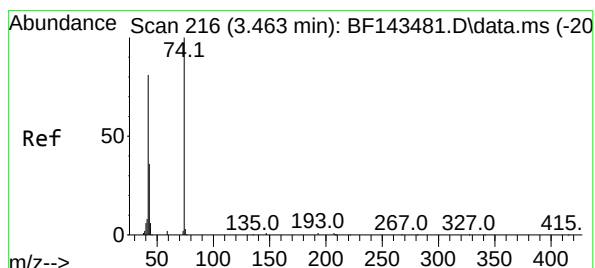
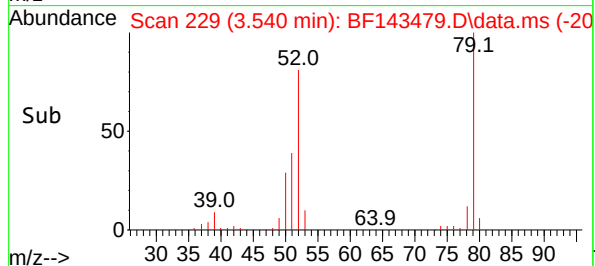
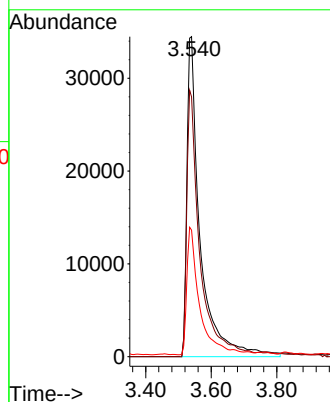
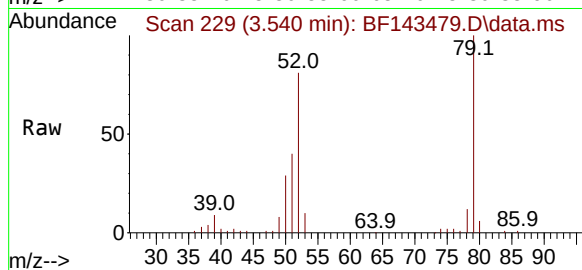
Tgt Ion: 79 Resp: 96225

Ion Ratio Lower Upper

79 100

52 81.2 65.6 98.4

51 39.6 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 9.507 ng

RT: 3.451 min Scan# 214

Delta R.T. -0.024 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

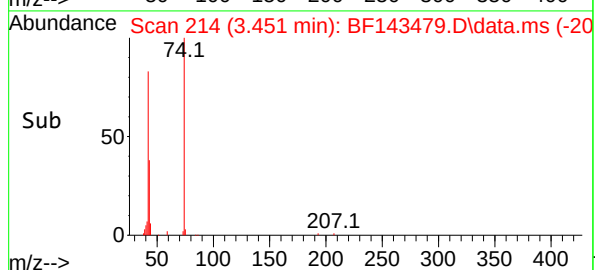
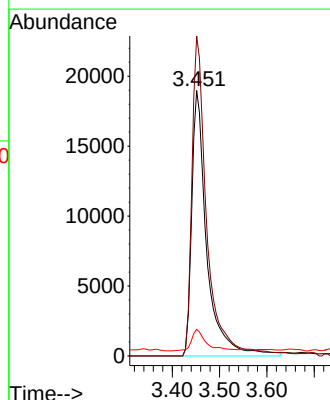
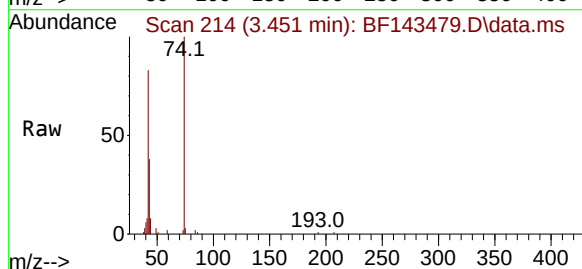
Tgt Ion: 42 Resp: 41741

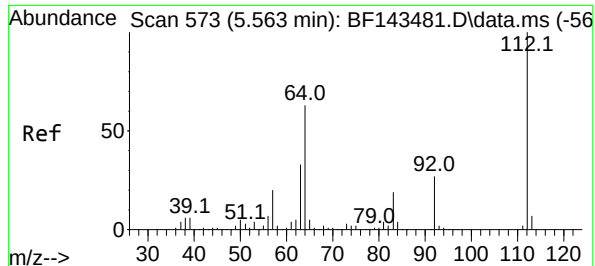
Ion Ratio Lower Upper

42 100

74 120.6 98.6 148.0

44 10.0 5.8 8.8





#5

2-Fluorophenol

Concen: 20.911 ng

RT: 5.563 min Scan# 51

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

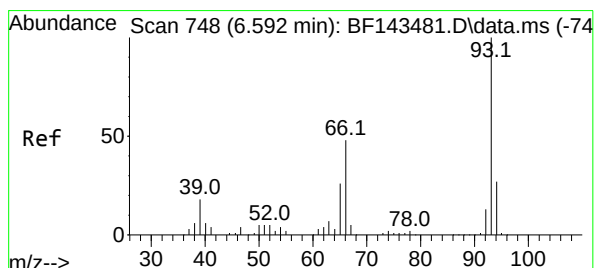
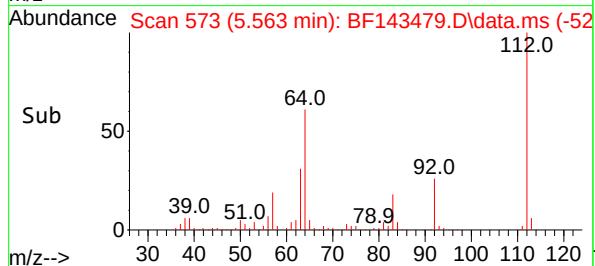
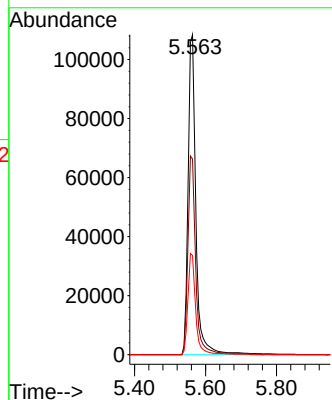
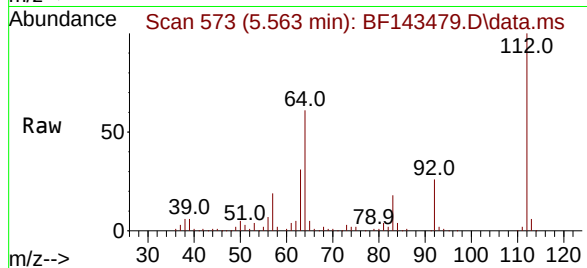
Tgt Ion:112 Resp: 165533

Ion Ratio Lower Upper

112 100

64 61.1 50.4 75.6

63 31.0 26.4 39.6



#6

Aniline

Concen: 10.420 ng

RT: 6.587 min Scan# 747

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

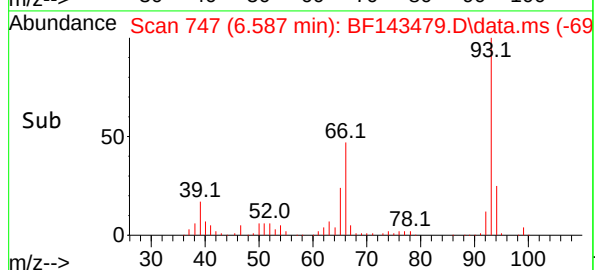
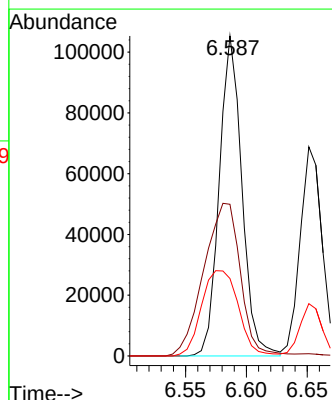
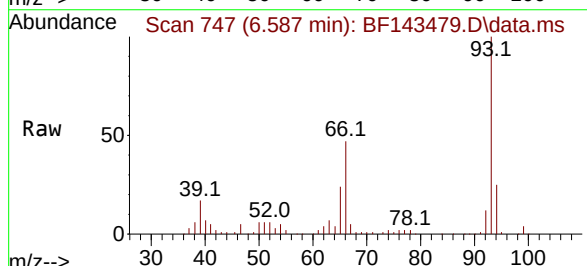
Tgt Ion: 93 Resp: 136107

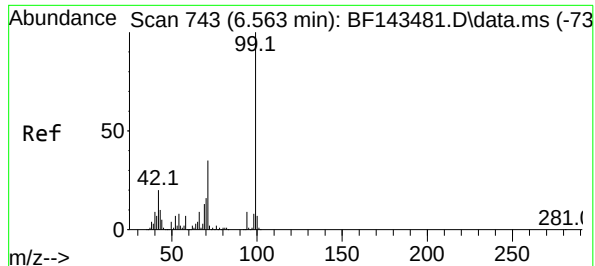
Ion Ratio Lower Upper

93 100

66 47.4 38.9 58.3

65 24.2 20.6 30.8

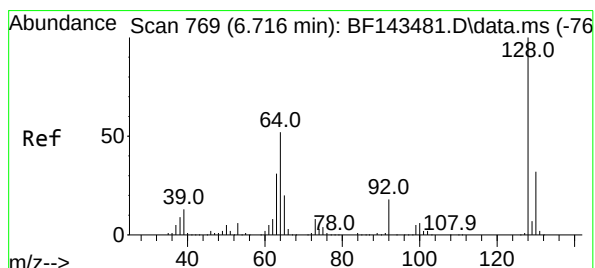
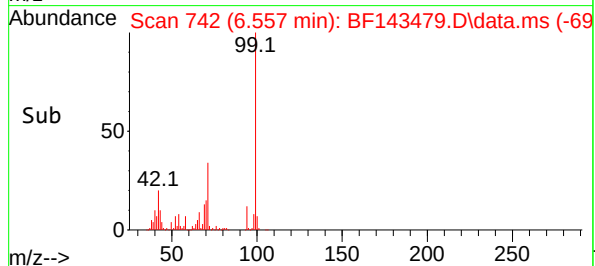
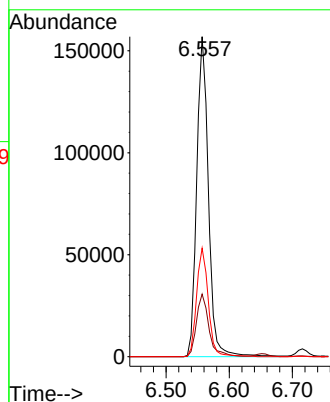
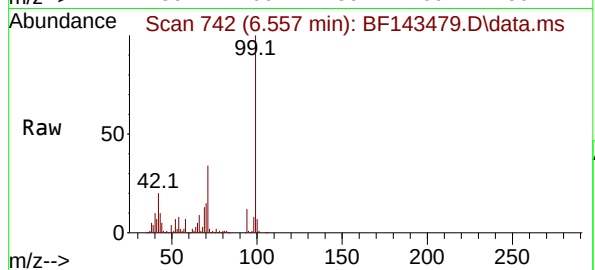




#7
Phenol-d6
Concen: 20.646 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

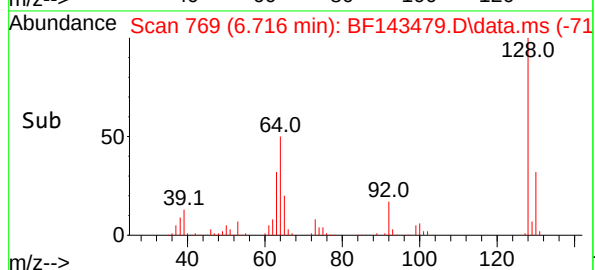
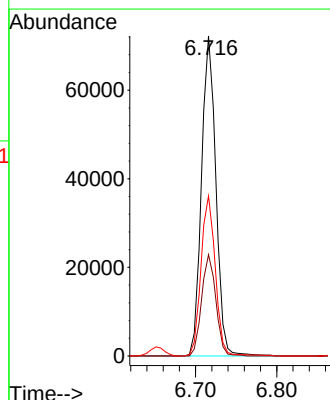
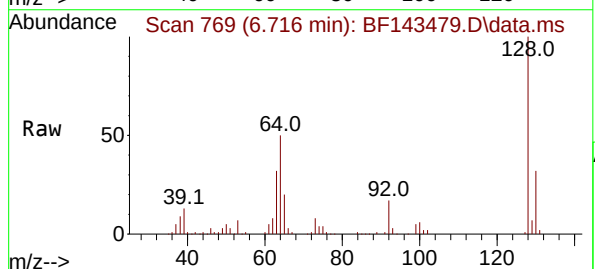
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

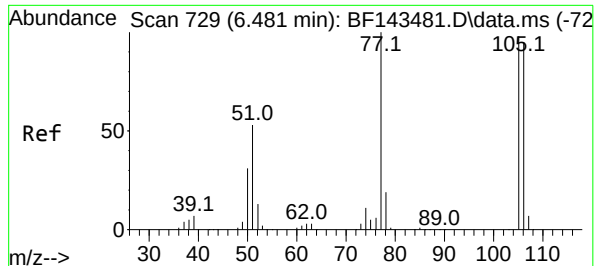
Tgt Ion: 99 Resp: 201752
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 33.9 28.2 42.2



#8
2-Chlorophenol
Concen: 10.152 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 128 Resp: 88766
Ion Ratio Lower Upper
128 100
130 31.7 12.4 52.4
64 50.0 31.6 71.6

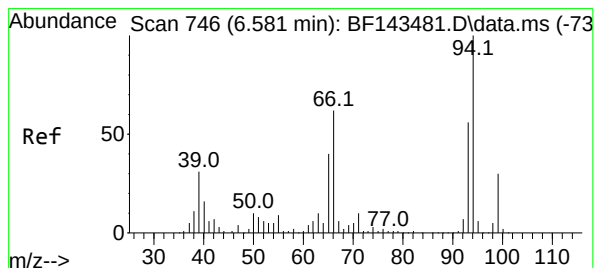
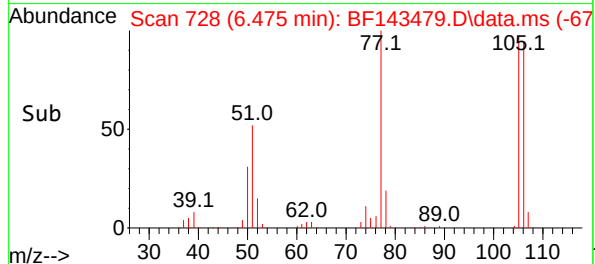
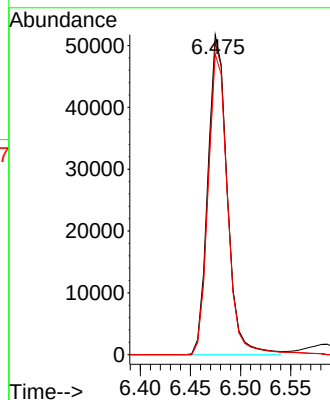
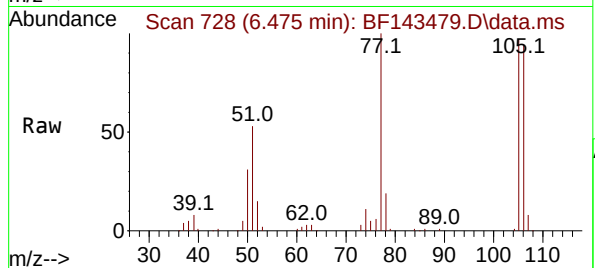




#9
Benzaldehyde
Concen: 8.802 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

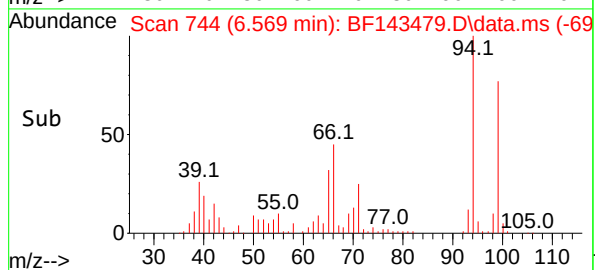
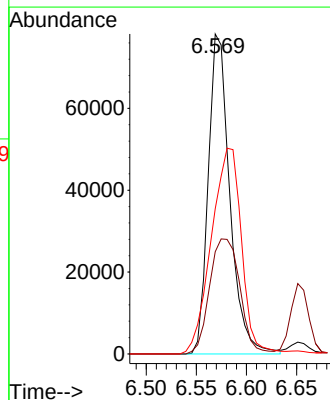
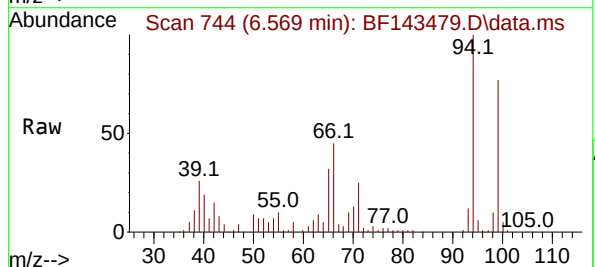
Instrument :
BNA_F
ClientSampleId :
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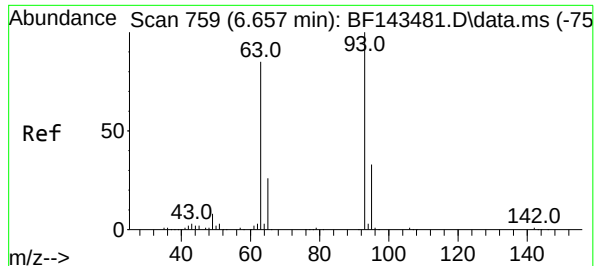
Tgt Ion: 77 Resp: 69636
Ion Ratio Lower Upper
77 100
105 97.5 78.1 118.1
106 94.0 74.9 114.9



#10
Phenol
Concen: 10.408 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 94 Resp: 117160
Ion Ratio Lower Upper
94 100
65 32.0 19.5 59.5
66 45.4 42.5 82.5

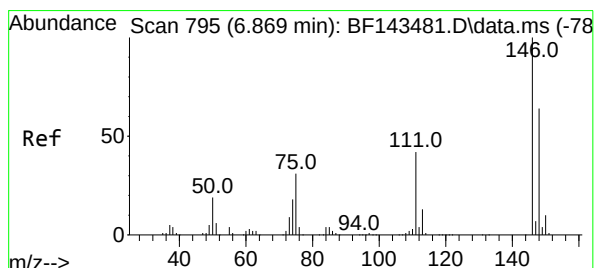
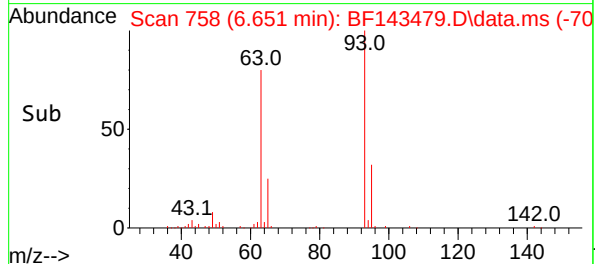
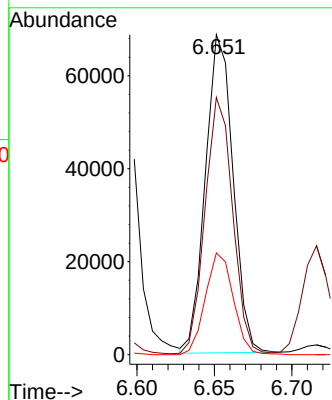
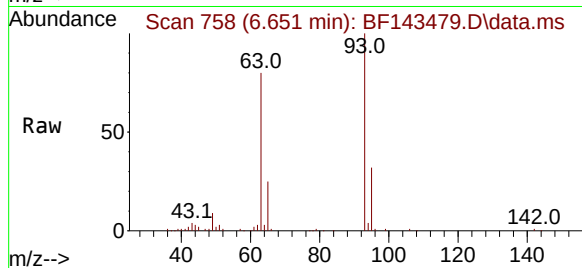




#11
bis(2-Chloroethyl)ether
Concen: 10.102 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

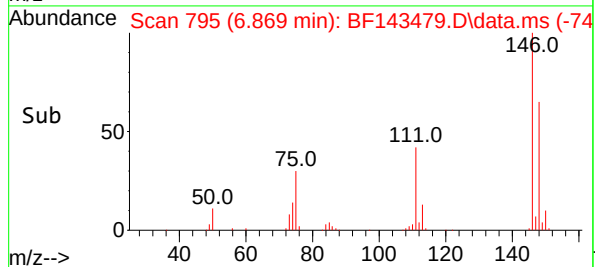
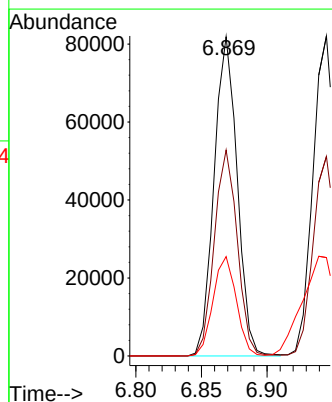
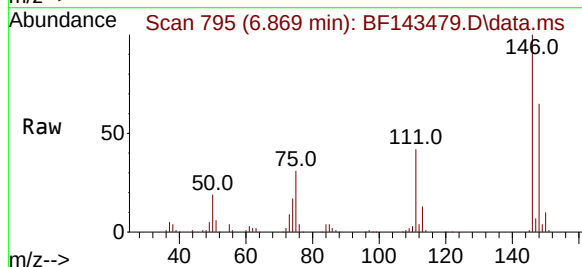
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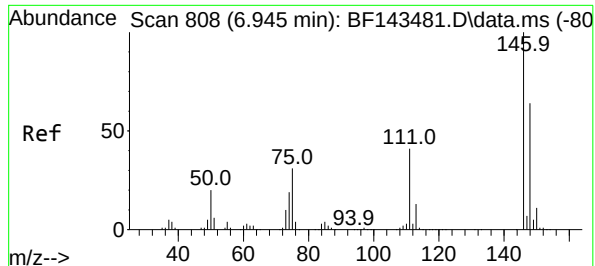
Tgt Ion: 93 Resp: 84985
Ion Ratio Lower Upper
93 100
63 80.4 63.6 103.6
95 31.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 10.207 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 146 Resp: 100273
Ion Ratio Lower Upper
146 100
148 64.5 51.3 76.9
75 31.1 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 10.432 ng

RT: 6.945 min Scan# 808

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

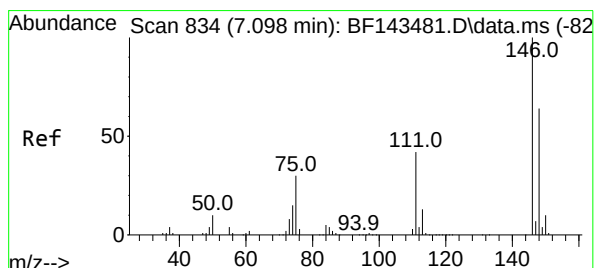
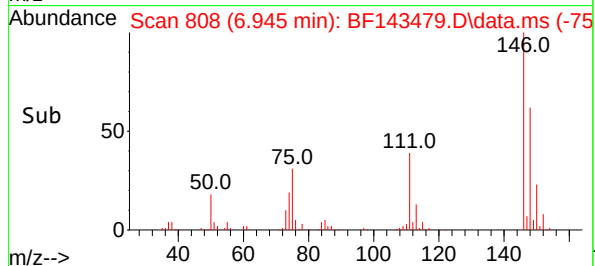
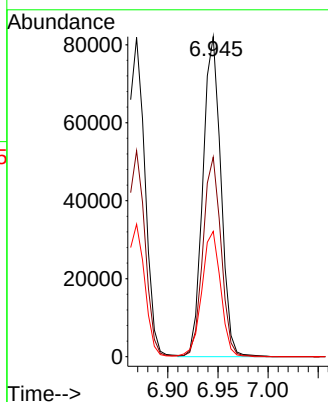
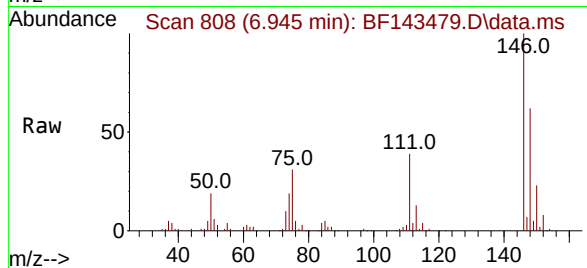
Tgt Ion:146 Resp: 102802

Ion Ratio Lower Upper

146 100

148 62.3 51.5 77.3

111 39.1 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 10.464 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

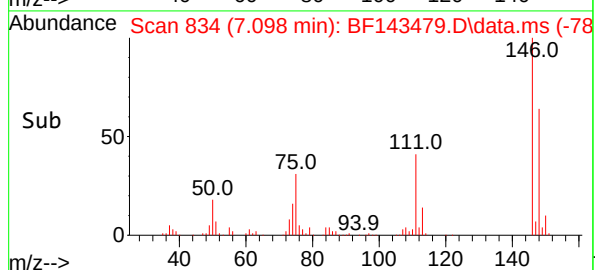
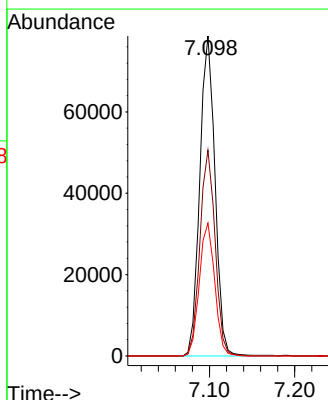
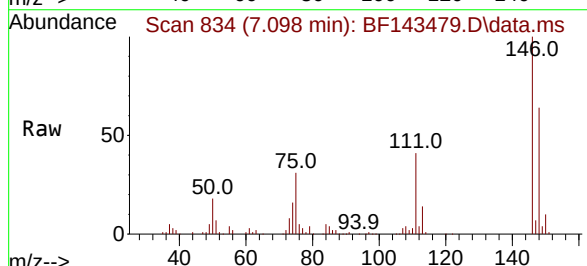
Tgt Ion:146 Resp: 97628

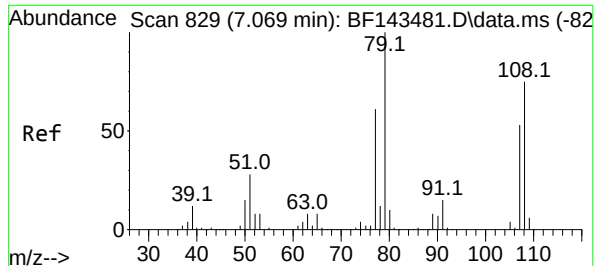
Ion Ratio Lower Upper

146 100

148 64.3 51.0 76.6

111 41.5 34.0 51.0





#15

Benzyl Alcohol

Concen: 9.792 ng

RT: 7.063 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

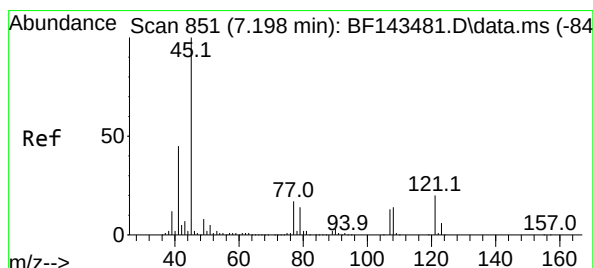
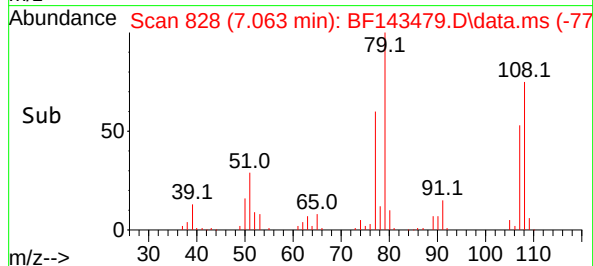
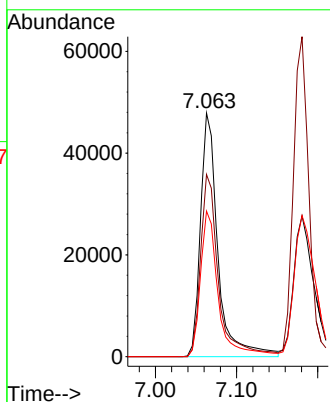
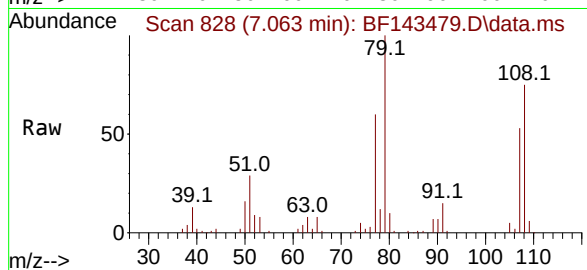
Tgt Ion: 79 Resp: 71642

Ion Ratio Lower Upper

79 100

108 74.8 59.8 89.6

77 59.8 49.0 73.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 10.806 ng

RT: 7.192 min Scan# 850

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

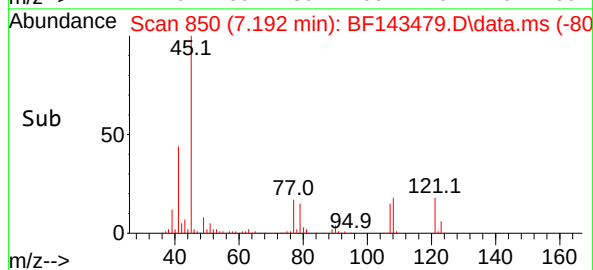
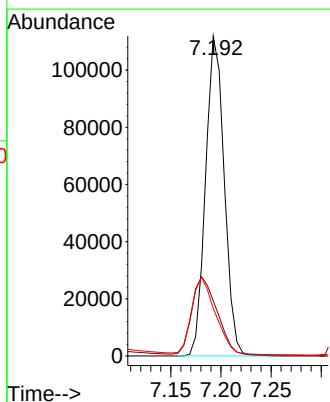
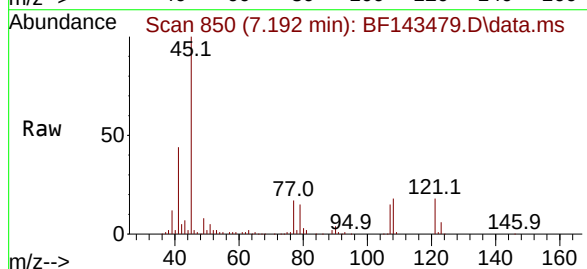
Tgt Ion: 45 Resp: 145437

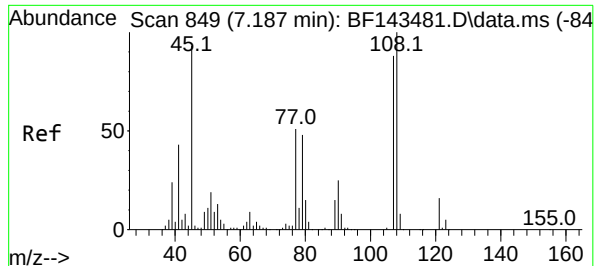
Ion Ratio Lower Upper

45 100

77 17.2 0.0 37.9

79 14.9 0.0 34.7

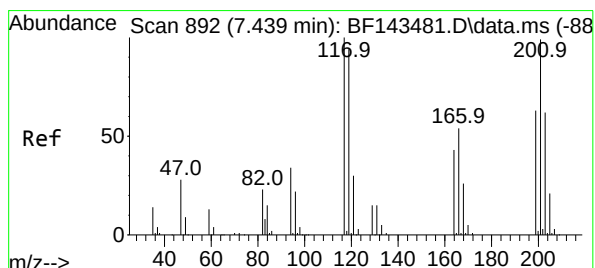
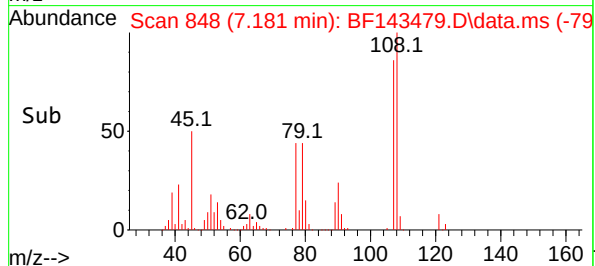
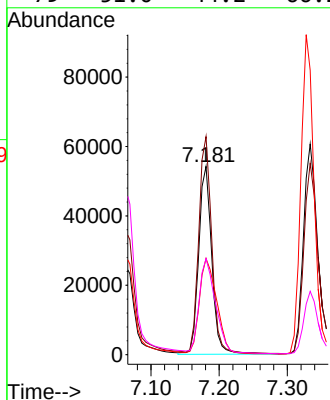
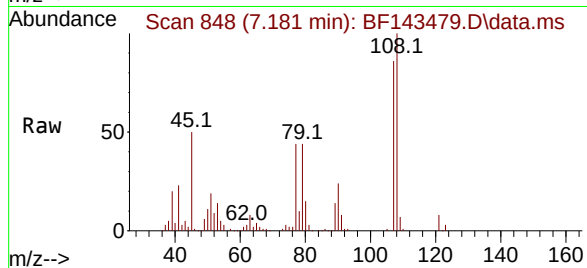




#17
2-Methylphenol
Concen: 10.260 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

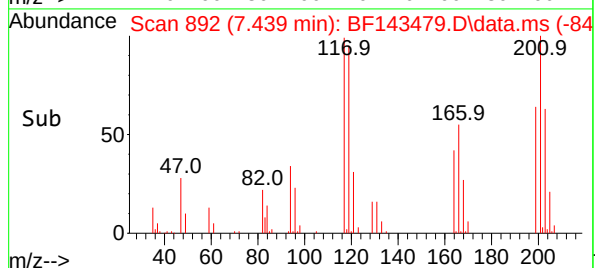
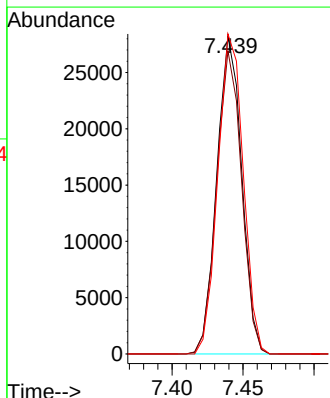
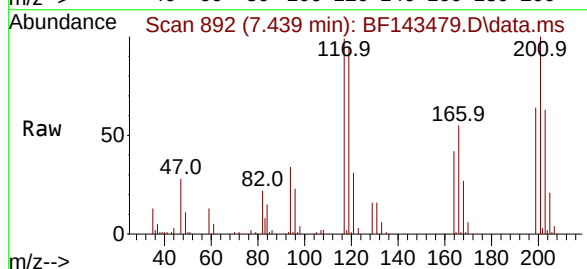
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

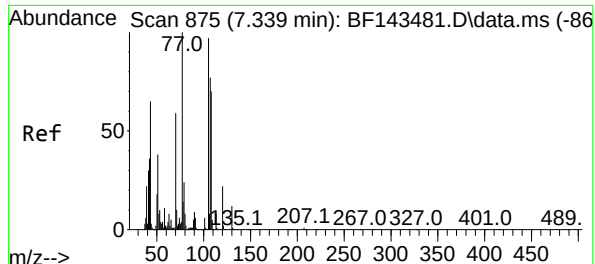
Tgt Ion:	107	Resp:	71996
Ion	Ratio	Lower	Upper
107	100		
108	115.9	91.1	136.7
77	51.1	46.2	69.4
79	51.0	44.2	66.2



#18
Hexachloroethane
Concen: 10.276 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:	117	Resp:	34428
Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.4	113.0
201	100.6	79.0	118.4





#19

n-Nitroso-di-n-propylamine

Concen: 10.552 ng

RT: 7.328 min Scan# 81

Delta R.T. -0.024 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 63026

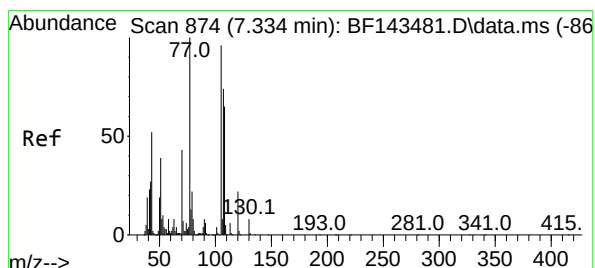
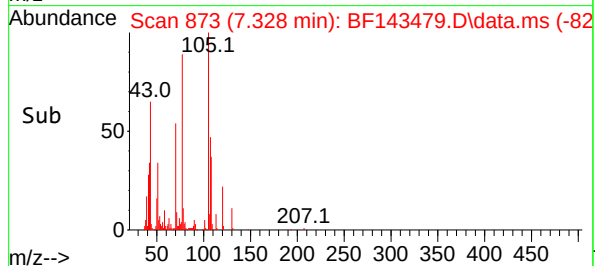
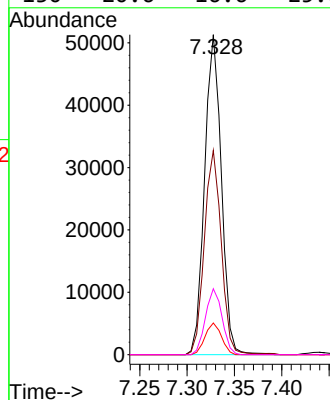
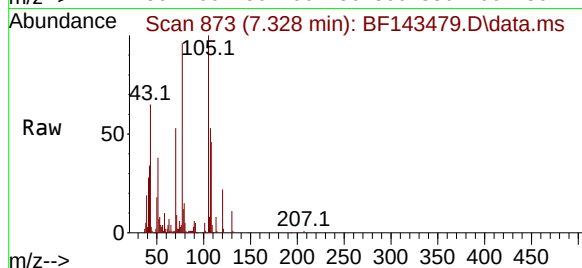
Ion Ratio Lower Upper

70 100

42 63.8 49.3 73.9

101 9.9 7.8 11.8

130 20.6 16.6 25.0



#20

3+4-Methylphenols

Concen: 11.034 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Tgt Ion: 107 Resp: 92430

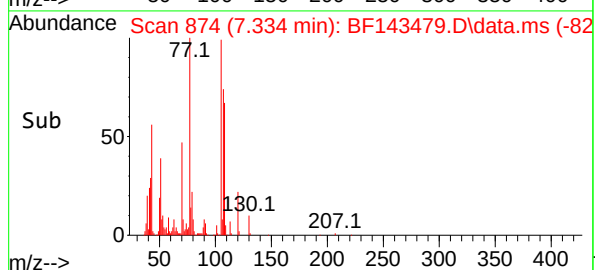
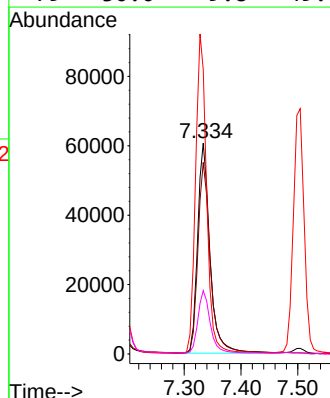
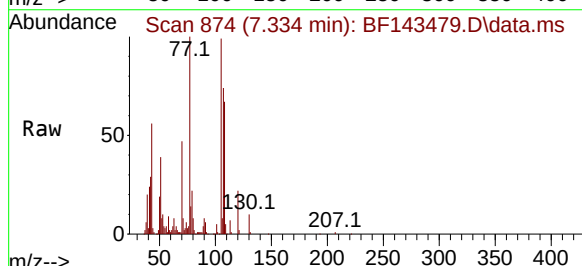
Ion Ratio Lower Upper

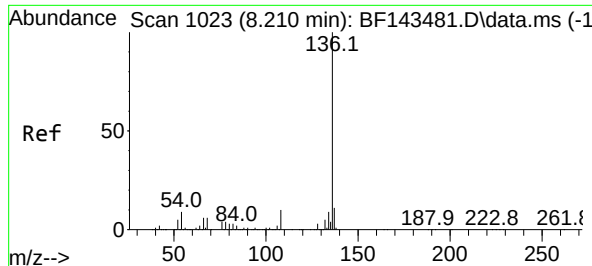
107 100

108 90.9 68.4 108.4

77 134.9 116.1 156.1

79 30.0 9.8 49.8

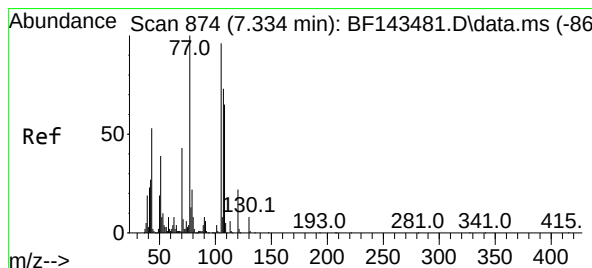
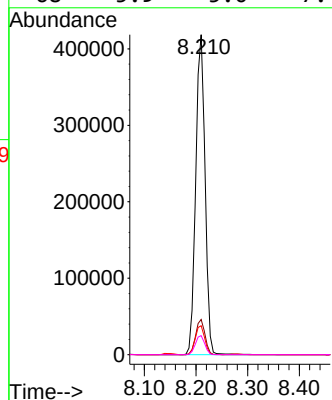
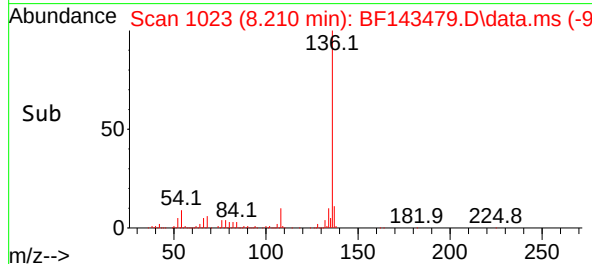
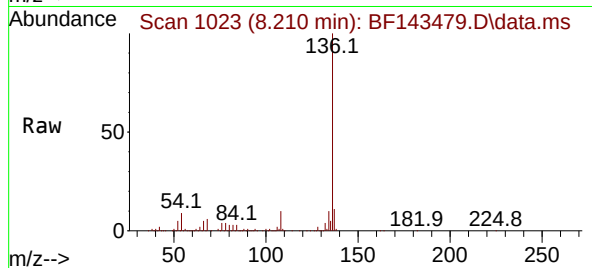




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

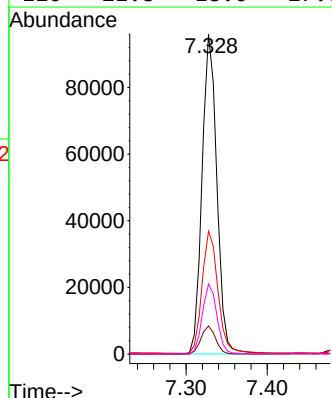
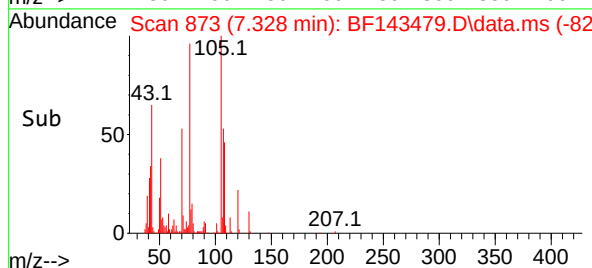
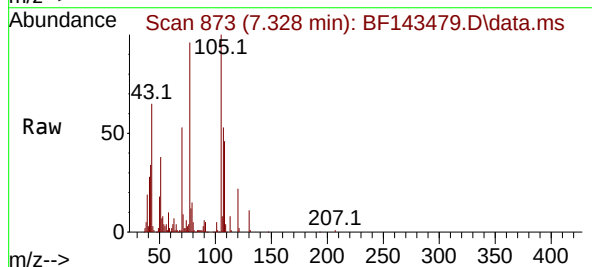
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

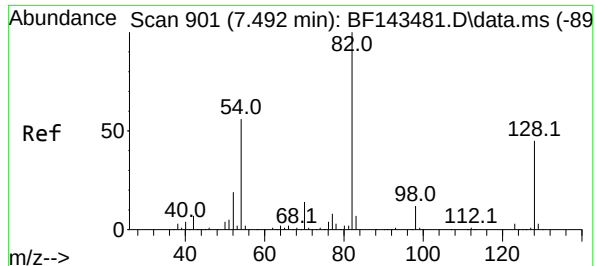
Tgt Ion:	136	Resp:	525191
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.0	7.4	11.2
68	5.9	5.0	7.4



#22
Acetophenone
Concen: 10.745 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:	105	Resp:	121914
Ion	Ratio	Lower	Upper
105	100		
71	8.8	5.9	8.9
51	38.4	32.5	48.7
120	21.8	18.0	27.0





#23

Nitrobenzene-d5

Concen: 20.141 ng

RT: 7.481 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

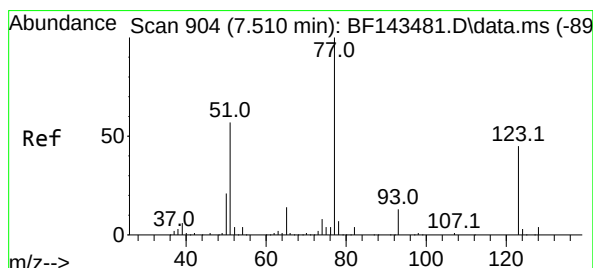
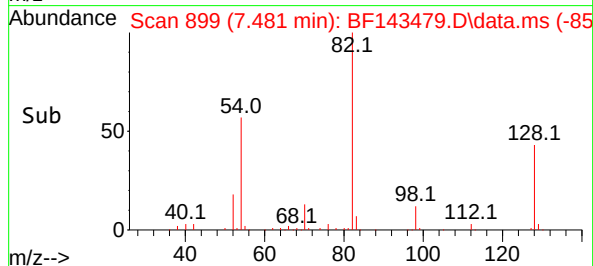
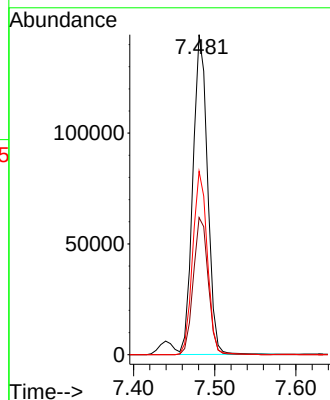
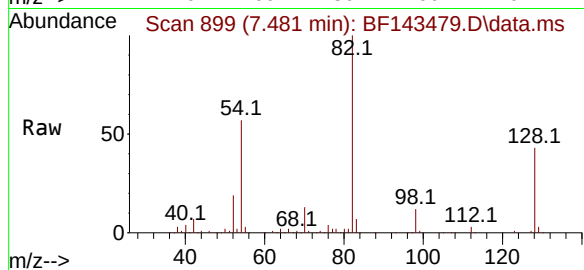
Tgt Ion: 82 Resp: 181268

Ion Ratio Lower Upper

82 100

128 42.9 35.5 53.3

54 57.3 44.3 66.5



#24

Nitrobenzene

Concen: 9.960 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

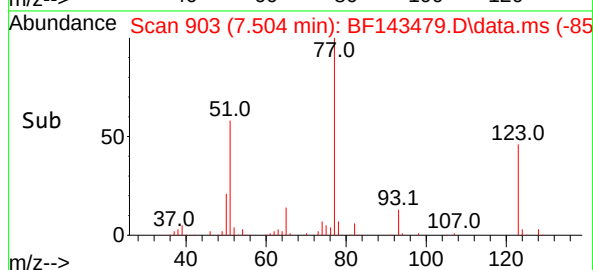
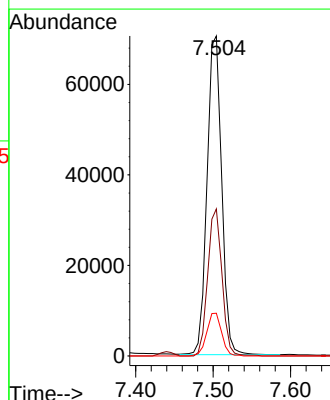
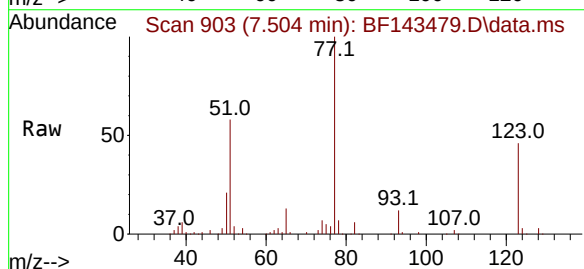
Tgt Ion: 77 Resp: 92261

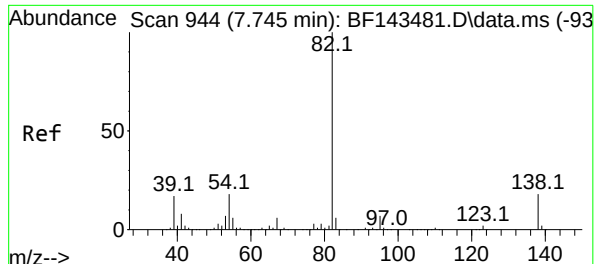
Ion Ratio Lower Upper

77 100

123 46.0 36.1 54.1

65 13.4 11.0 16.6





#25

Isophorone

Concen: 10.025 ng

RT: 7.739 min Scan# 94

Delta R.T. -0.018 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

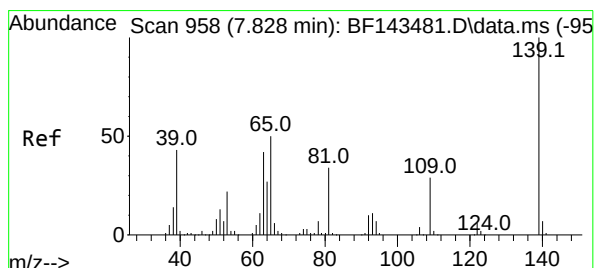
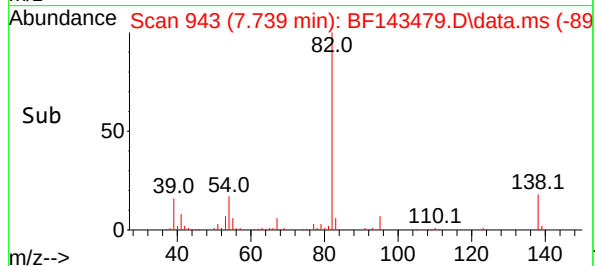
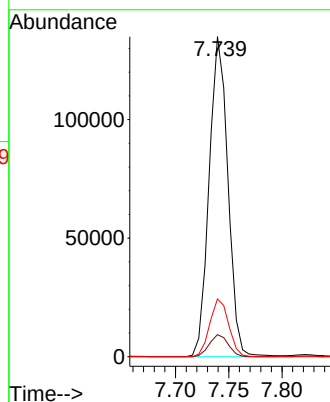
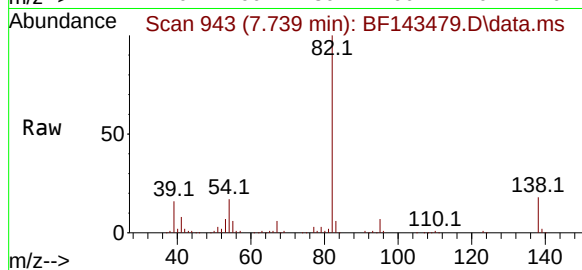
Tgt Ion: 82 Resp: 165391

Ion Ratio Lower Upper

82 100

95 6.9 5.8 8.8

138 18.1 14.2 21.4



#26

2-Nitrophenol

Concen: 9.575 ng

RT: 7.822 min Scan# 957

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

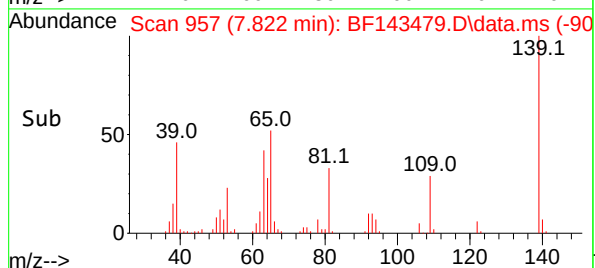
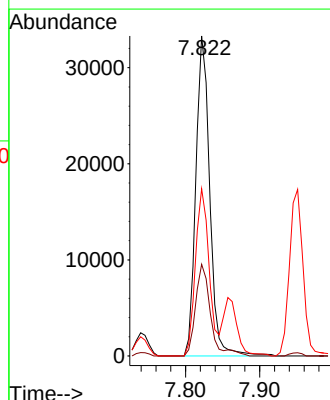
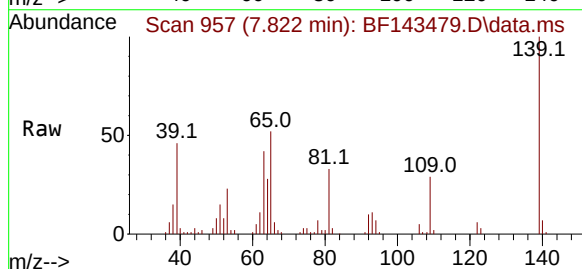
Tgt Ion: 139 Resp: 43444

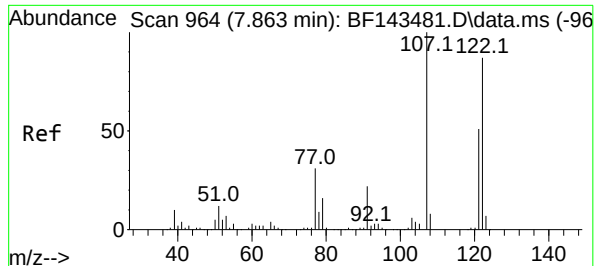
Ion Ratio Lower Upper

139 100

109 28.6 23.0 34.6

65 52.3 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 10.105 ng

RT: 7.857 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

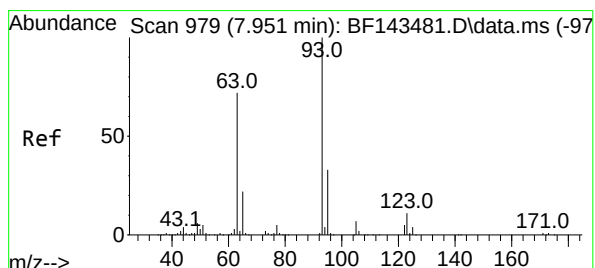
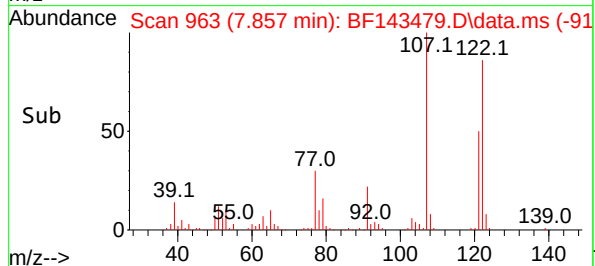
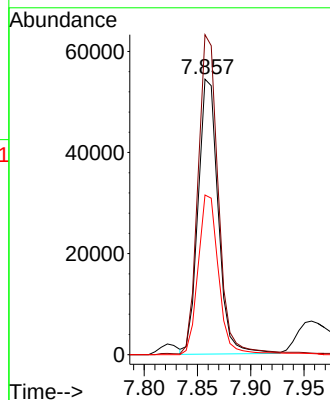
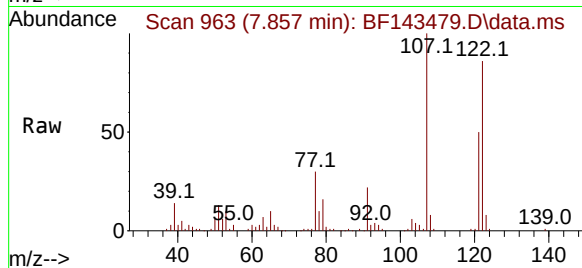
Tgt Ion:122 Resp: 71477

Ion Ratio Lower Upper

122 100

107 116.1 91.5 137.3

121 57.9 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 10.329 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

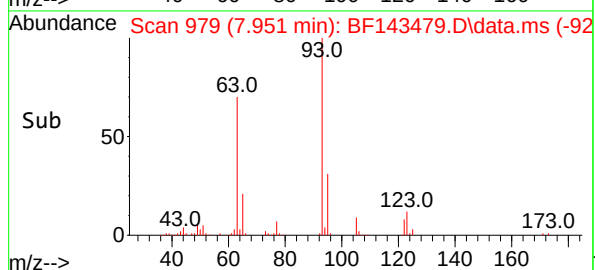
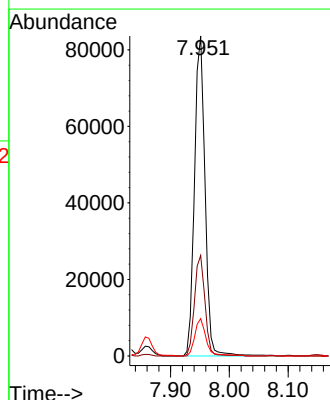
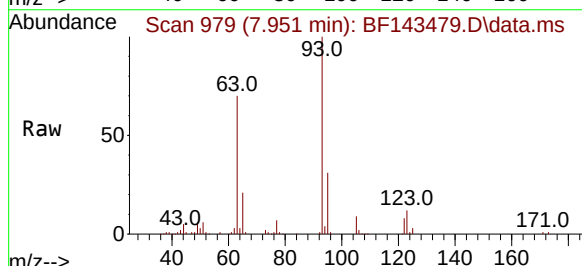
Tgt Ion: 93 Resp: 104720

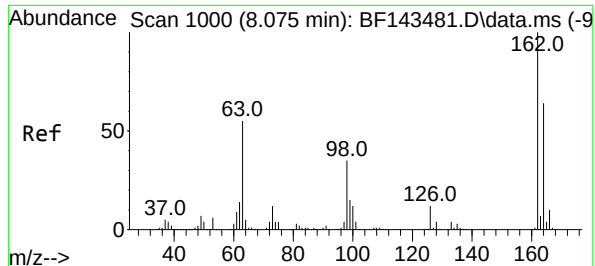
Ion Ratio Lower Upper

93 100

95 31.4 26.0 39.0

123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 10.394 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

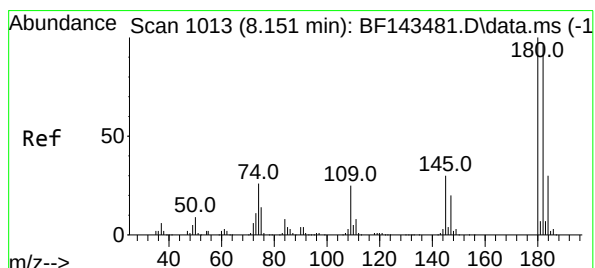
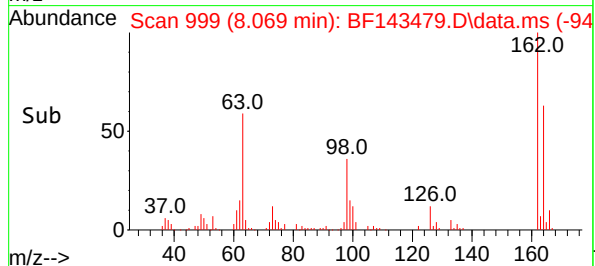
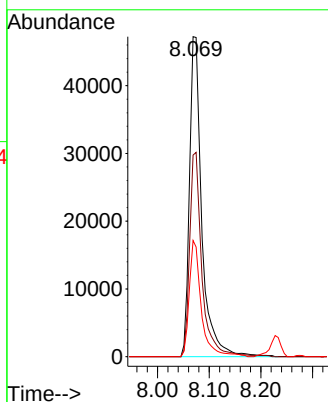
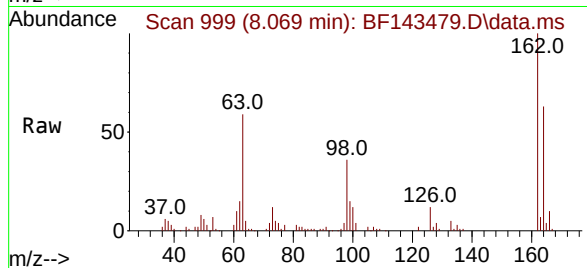
Tgt Ion:162 Resp: 78518

Ion Ratio Lower Upper

162 100

164 63.0 43.5 83.5

98 36.3 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 10.143 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

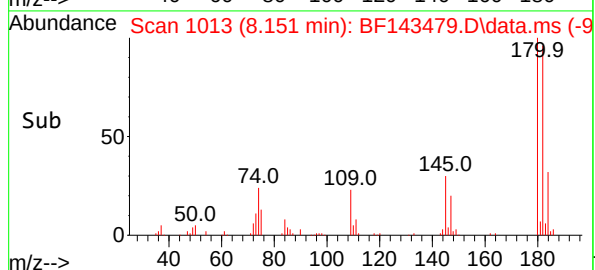
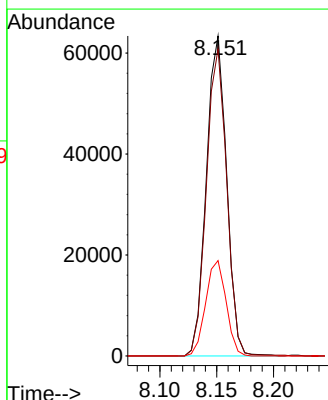
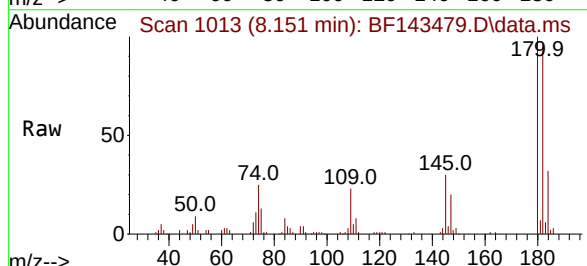
Tgt Ion:180 Resp: 78780

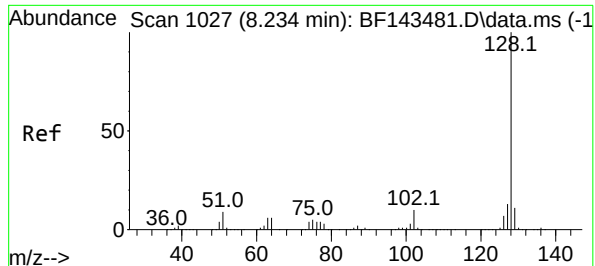
Ion Ratio Lower Upper

180 100

182 95.9 76.6 114.8

145 29.8 24.3 36.5





#31

Naphthalene

Concen: 10.503 ng

RT: 8.228 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

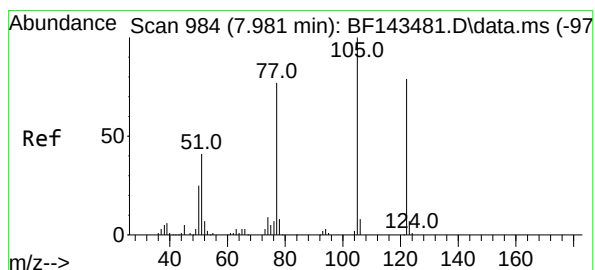
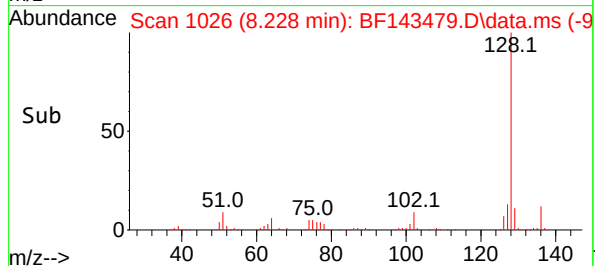
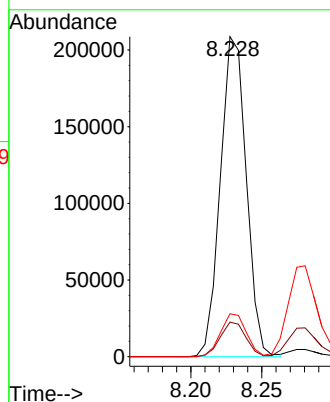
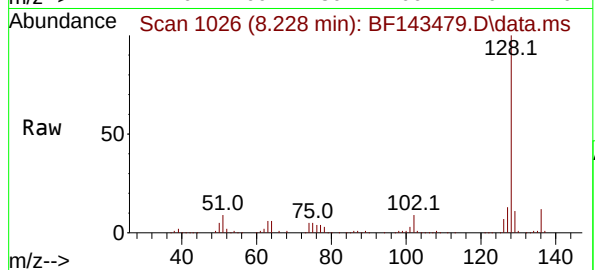
Tgt Ion:128 Resp: 264837

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 10.817 ng

RT: 7.957 min Scan# 980

Delta R.T. -0.053 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

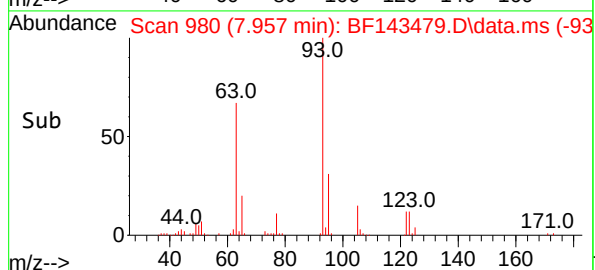
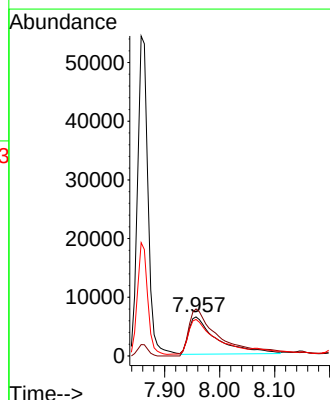
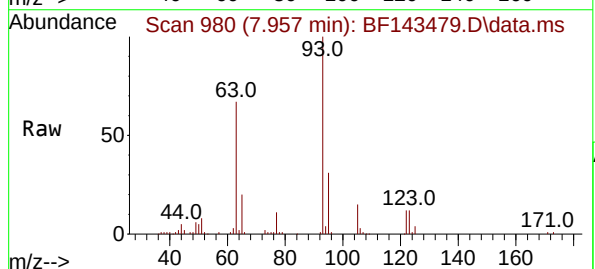
Tgt Ion:122 Resp: 22608

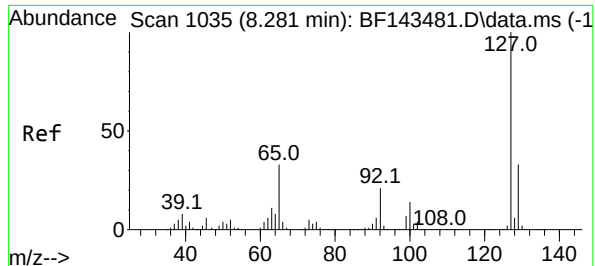
Ion Ratio Lower Upper

122 100

105 120.4 104.7 144.7

77 93.4 77.3 117.3





#33

4-Chloroaniline

Concen: 10.129 ng

RT: 8.281 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 90644

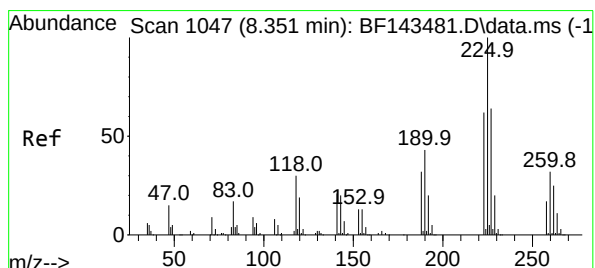
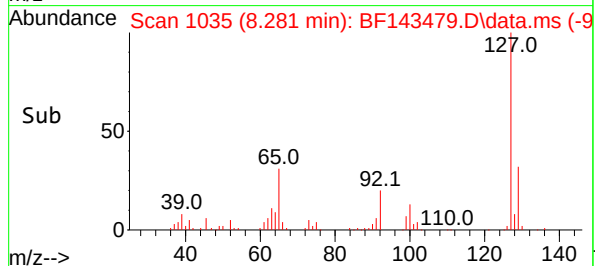
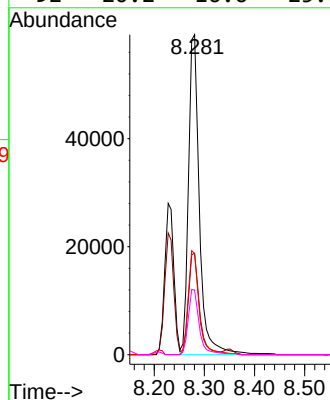
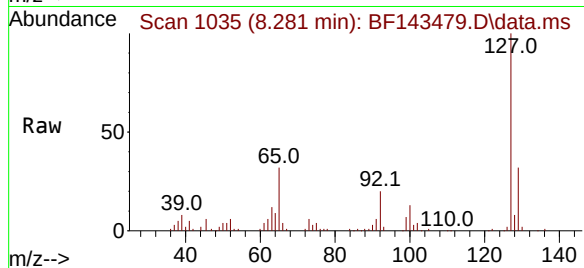
Ion Ratio Lower Upper

127 100

129 31.7 26.1 39.1

65 31.6 26.2 39.2

92 20.2 16.6 25.0



#34

Hexachlorobutadiene

Concen: 10.321 ng

RT: 8.351 min Scan# 1047

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

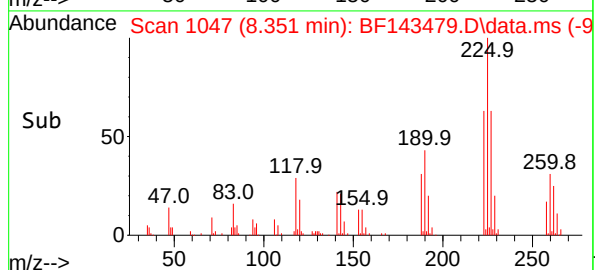
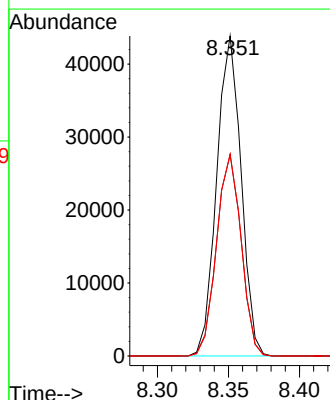
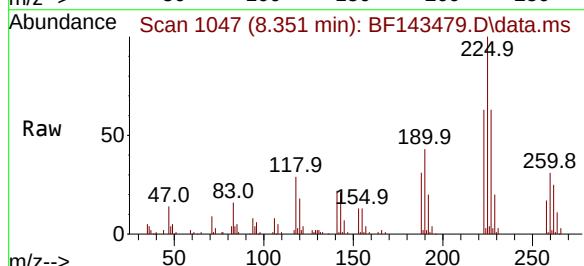
Tgt Ion:225 Resp: 52299

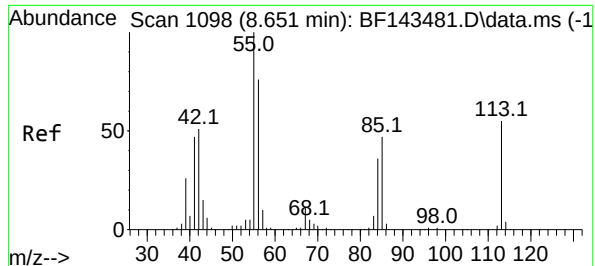
Ion Ratio Lower Upper

225 100

223 62.9 49.9 74.9

227 63.1 50.9 76.3





#35

Caprolactam

Concen: 9.099 ng

RT: 8.616 min Scan# 1109

Delta R.T. -0.059 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

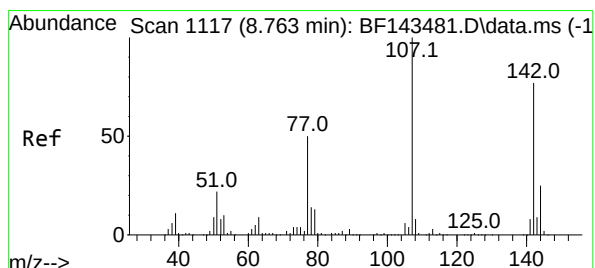
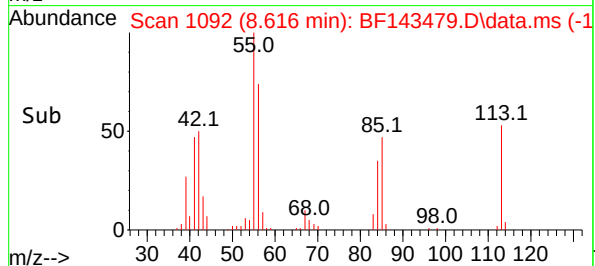
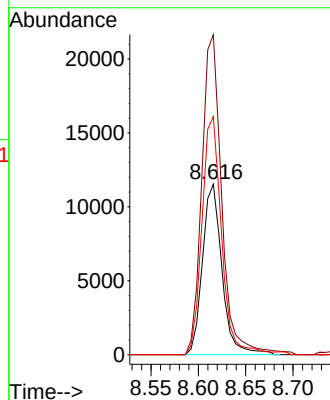
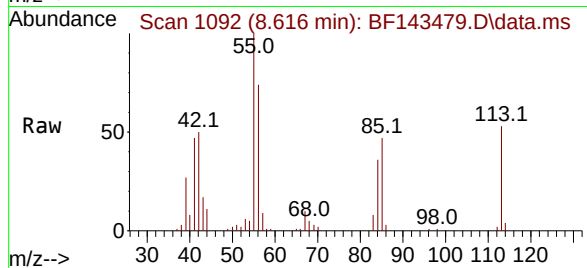
Tgt Ion:113 Resp: 16494

Ion Ratio Lower Upper

113 100

55 187.6 162.8 202.8

56 139.5 118.1 158.1



#36

4-Chloro-3-methylphenol

Concen: 10.126 ng

RT: 8.757 min Scan# 1116

Delta R.T. -0.012 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

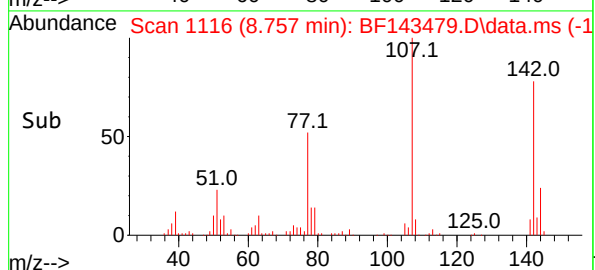
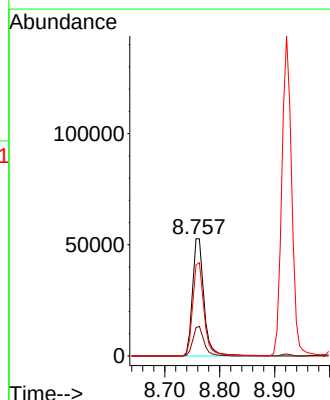
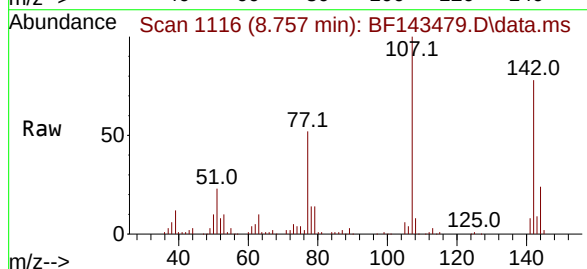
Tgt Ion:107 Resp: 76657

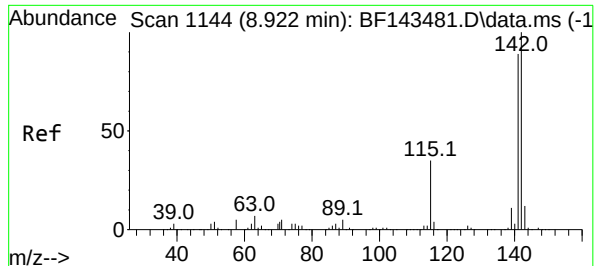
Ion Ratio Lower Upper

107 100

144 24.2 19.9 29.9

142 77.7 61.8 92.8





#37

2-Methylnaphthalene

Concen: 10.663 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

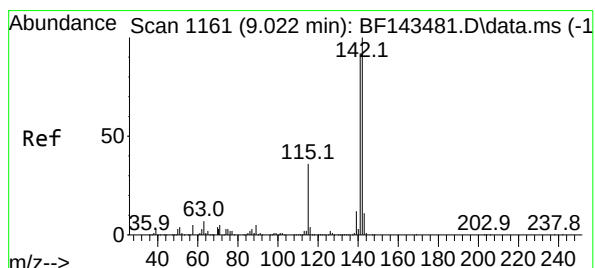
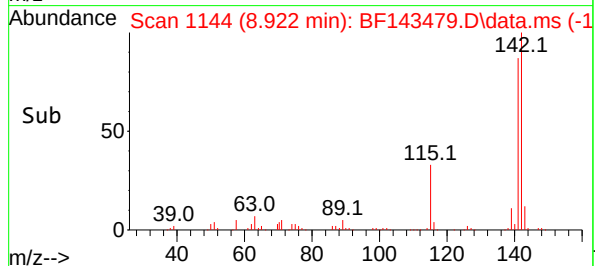
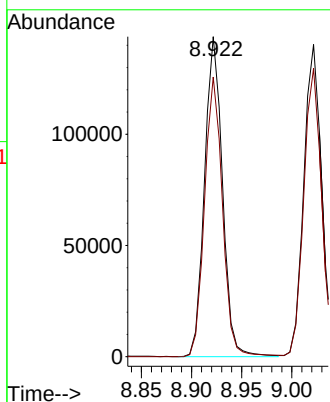
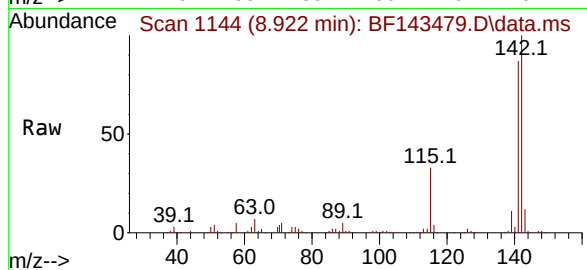
SSTDICC010

Tgt Ion:142 Resp: 179574

Ion Ratio Lower Upper

142 100

141 87.4 71.0 106.4



#38

1-Methylnaphthalene

Concen: 10.606 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF143479.D

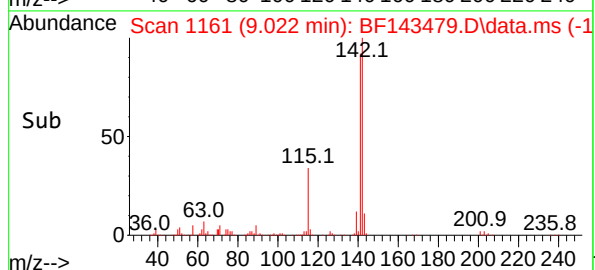
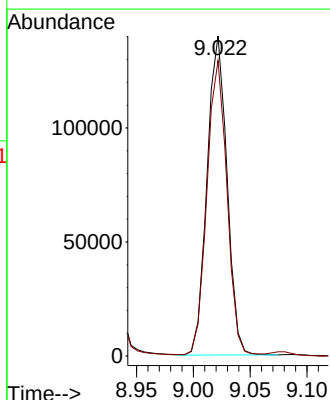
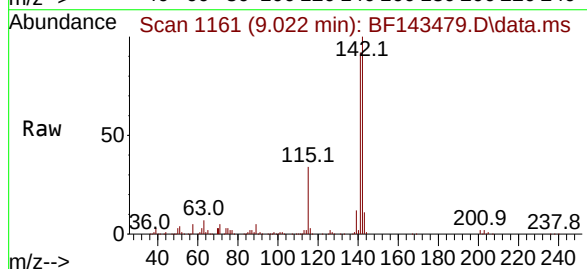
Acq: 20 Aug 2025 11:54

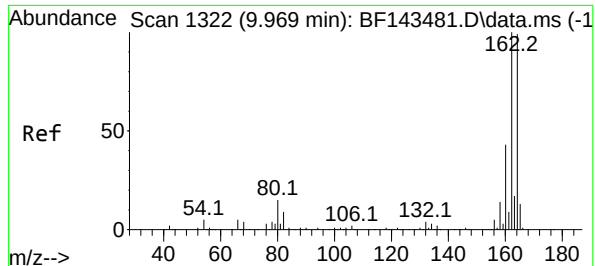
Tgt Ion:142 Resp: 170845

Ion Ratio Lower Upper

142 100

141 92.4 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

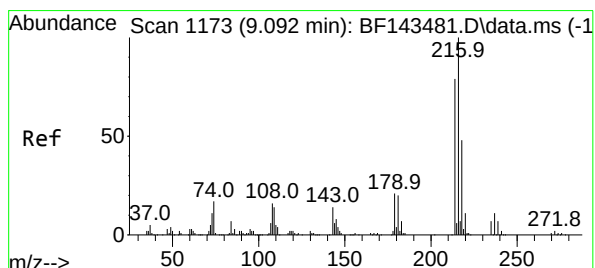
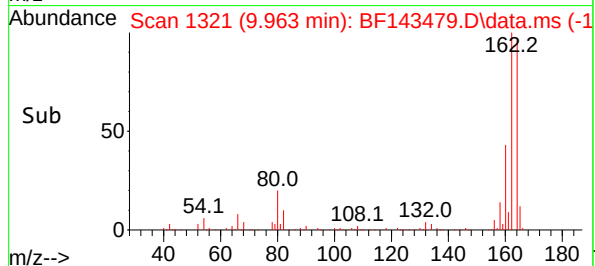
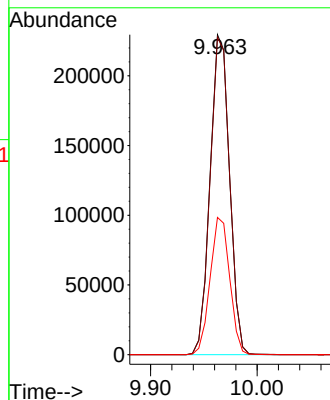
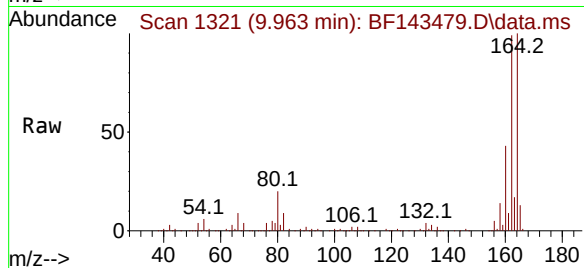
Tgt Ion:164 Resp: 291754

Ion Ratio Lower Upper

164 100

162 99.3 80.5 120.7

160 42.9 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.207 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Tgt Ion:216 Resp: 85181

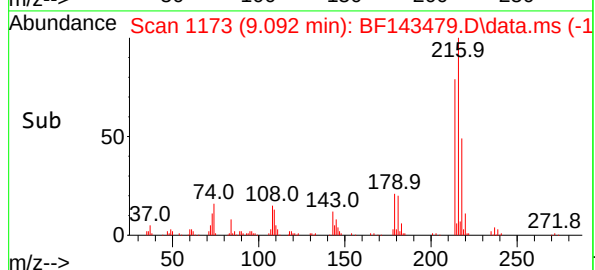
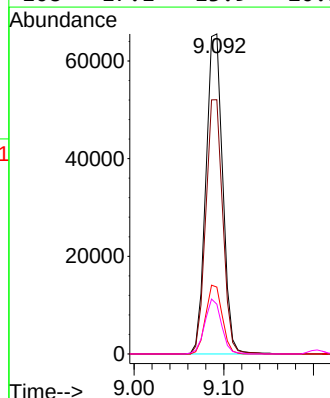
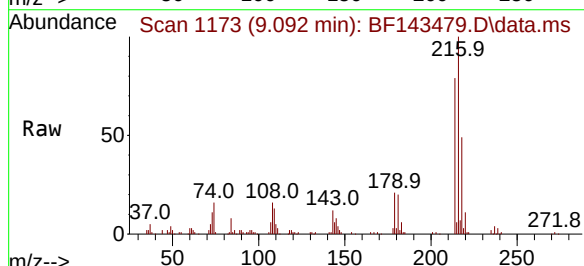
Ion Ratio Lower Upper

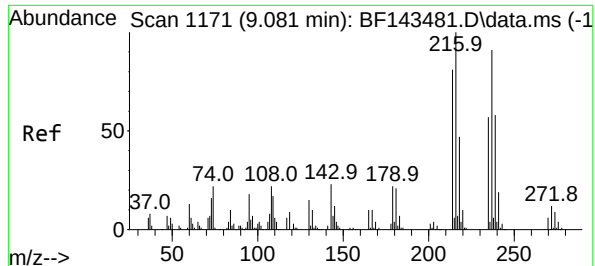
216 100

214 79.8 63.4 95.0

179 21.1 16.5 24.7

108 17.1 13.9 20.9

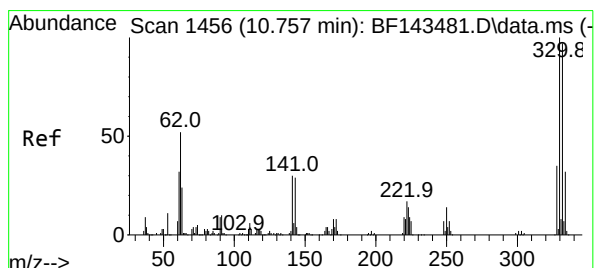
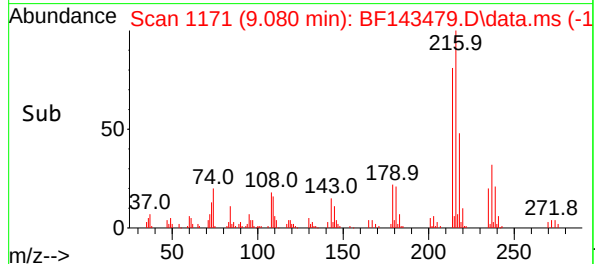
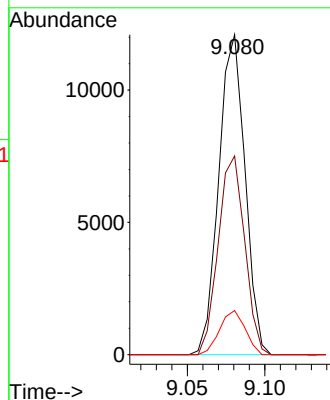
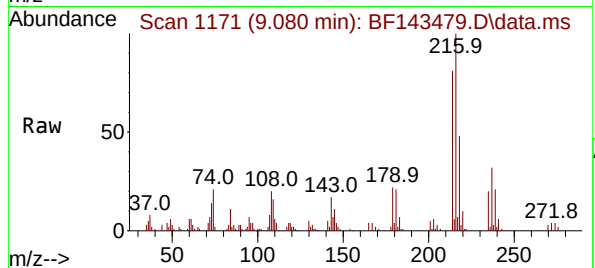




#41
Hexachlorocyclopentadiene
Concen: 10.484 ng
RT: 9.080 min Scan# 1171
Delta R.T. -0.001 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

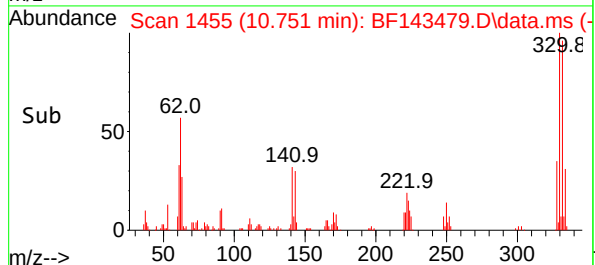
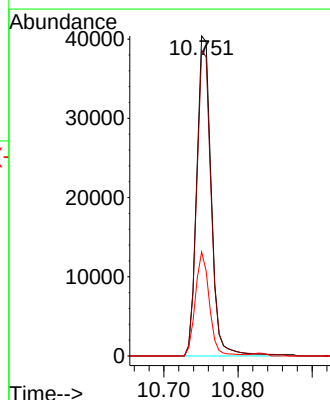
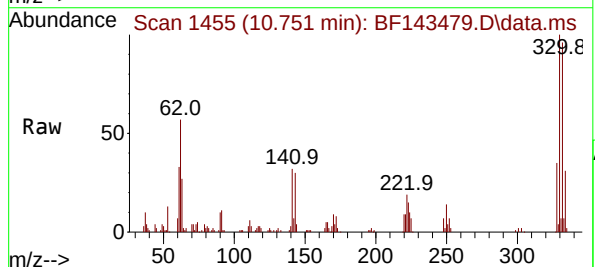
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

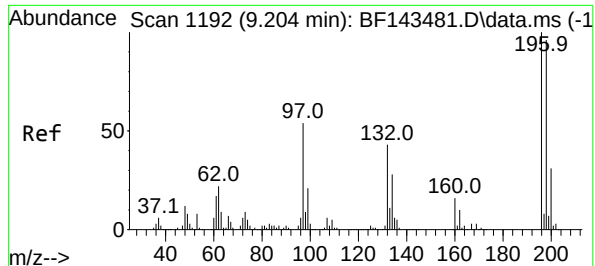
Tgt Ion: 237 Resp: 14243
Ion Ratio Lower Upper
237 100
235 62.1 42.6 82.6
272 13.8 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 20.244 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 330 Resp: 54980
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 31.3 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 9.854 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

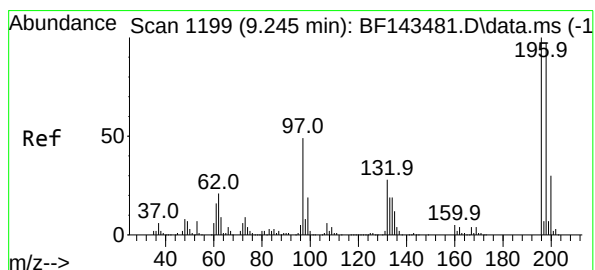
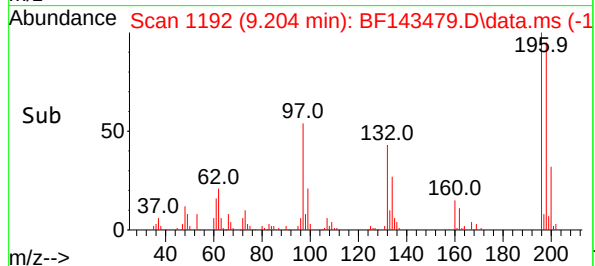
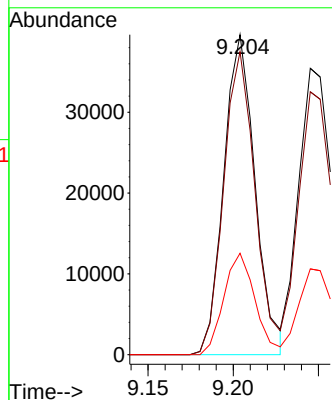
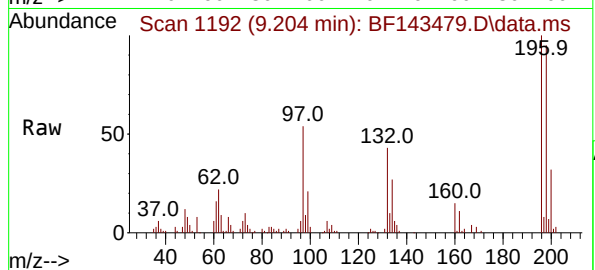
Tgt Ion:196 Resp: 50602

Ion Ratio Lower Upper

196 100

198 94.7 77.0 115.4

200 31.7 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 9.775 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Tgt Ion:196 Resp: 54832

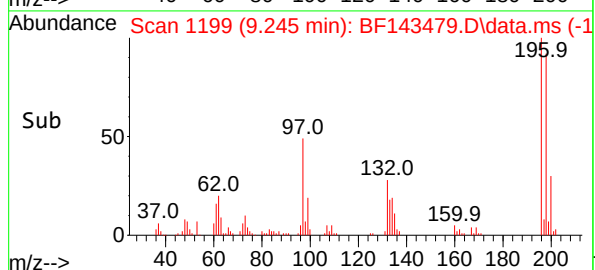
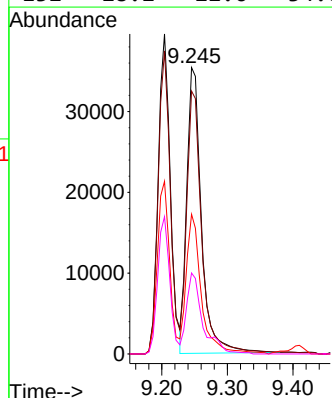
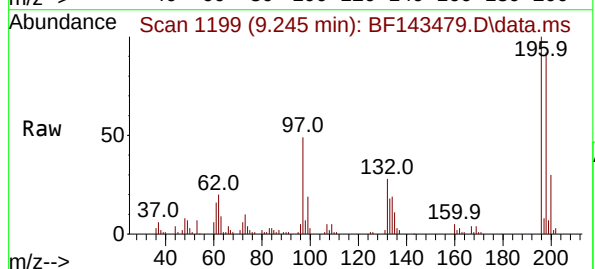
Ion Ratio Lower Upper

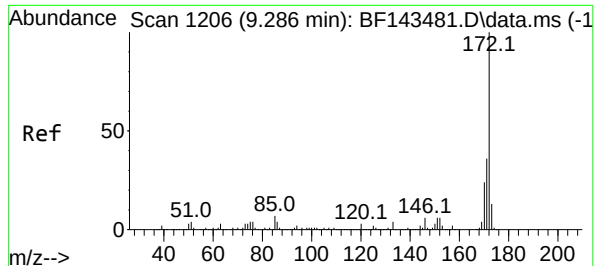
196 100

198 91.8 77.3 115.9

97 48.8 40.0 60.0

132 28.2 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 22.085 ng

RT: 9.280 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

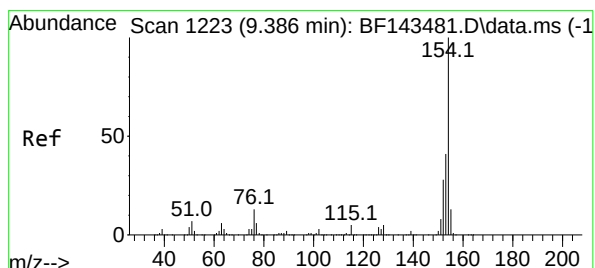
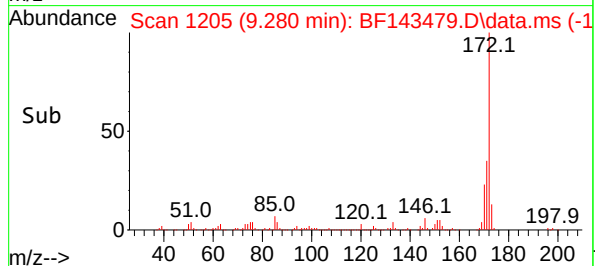
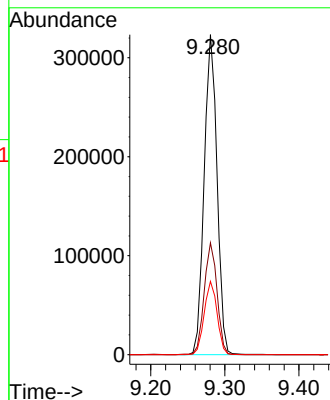
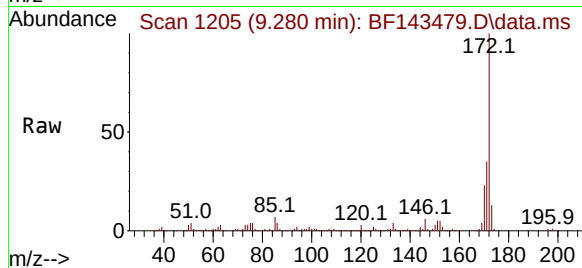
Tgt Ion:172 Resp: 389874

Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 22.9 18.8 28.2



#46

1,1'-Biphenyl

Concen: 10.602 ng

RT: 9.380 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

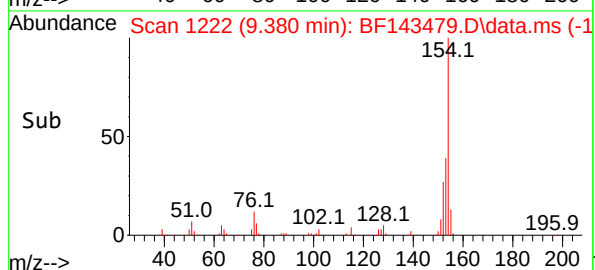
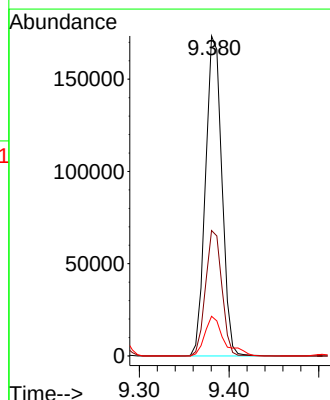
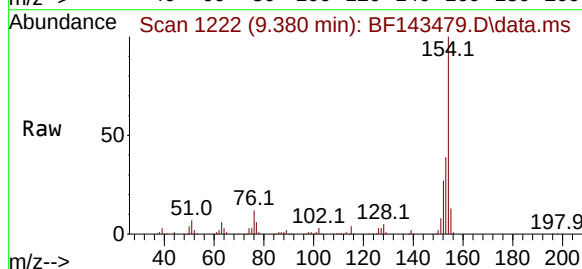
Tgt Ion:154 Resp: 219538

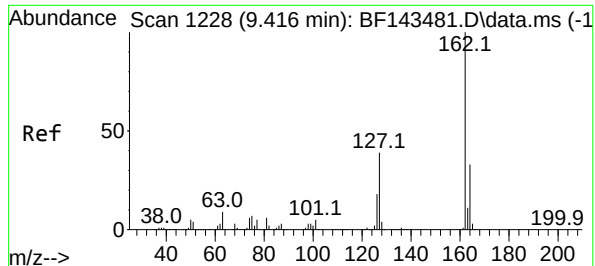
Ion Ratio Lower Upper

154 100

153 39.2 20.6 60.6

76 12.4 0.0 33.0





#47

2-Chloronaphthalene

Concen: 10.461 ng

RT: 9.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

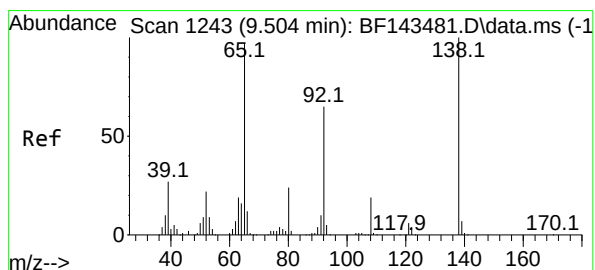
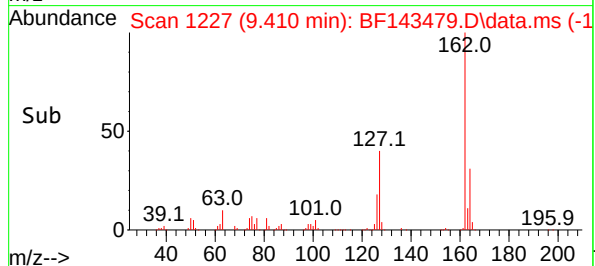
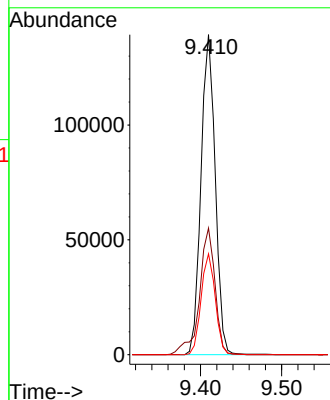
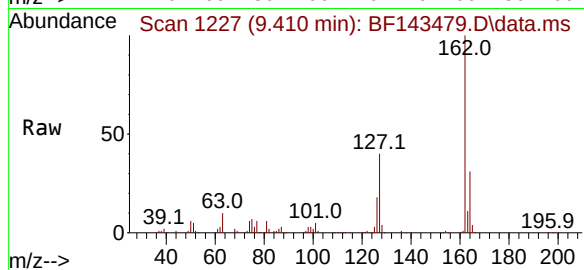
Tgt Ion:162 Resp: 169967

Ion Ratio Lower Upper

162 100

127 39.5 31.8 47.6

164 31.5 26.4 39.6



#48

2-Nitroaniline

Concen: 9.596 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

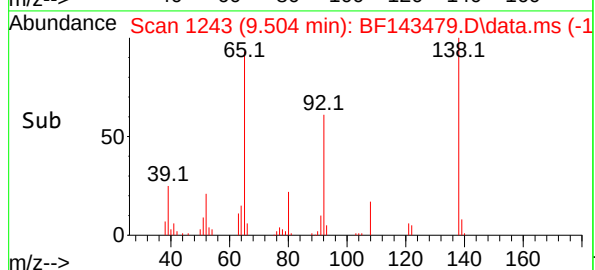
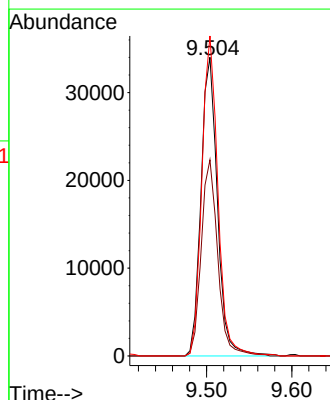
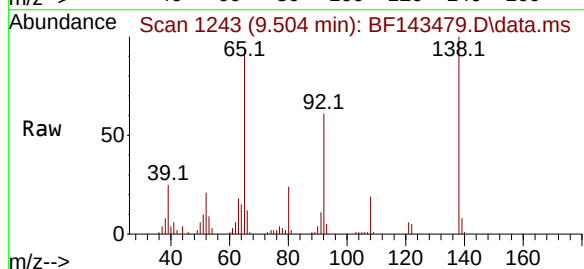
Tgt Ion: 65 Resp: 45630

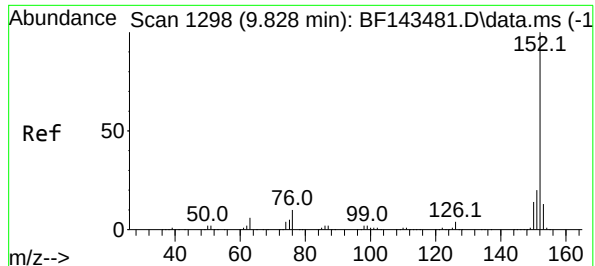
Ion Ratio Lower Upper

65 100

92 65.7 53.8 80.6

138 107.1 82.4 123.6





#49

Acenaphthylene

Concen: 10.429 ng

RT: 9.827 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

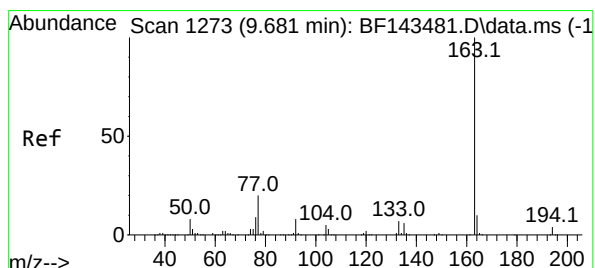
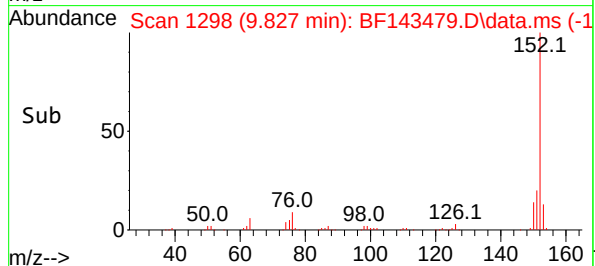
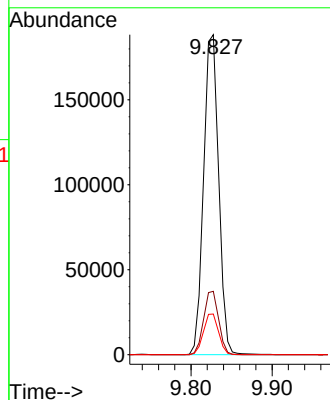
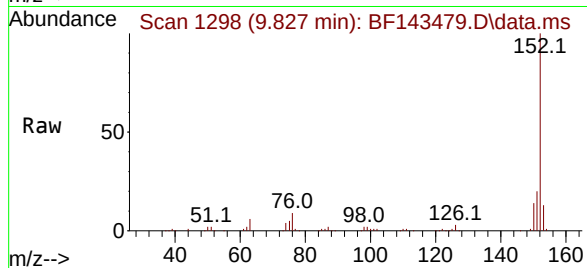
Tgt Ion:152 Resp: 242638

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.4

153 12.7 10.6 15.8



#50

Dimethylphthalate

Concen: 10.120 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

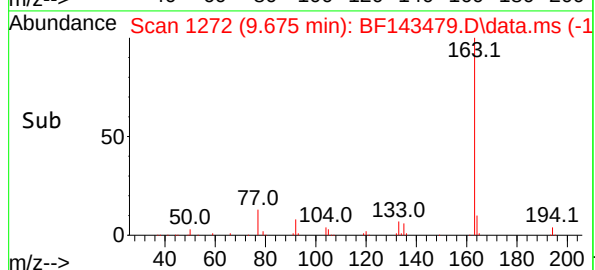
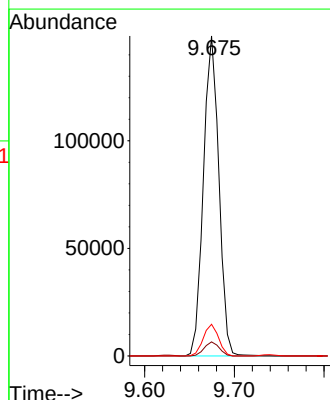
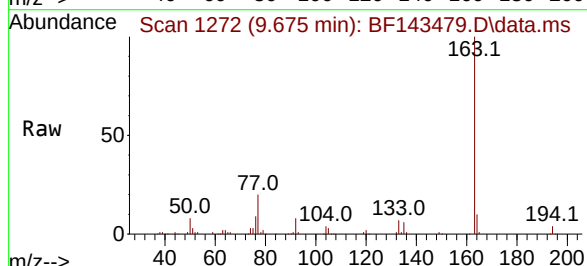
Tgt Ion:163 Resp: 177820

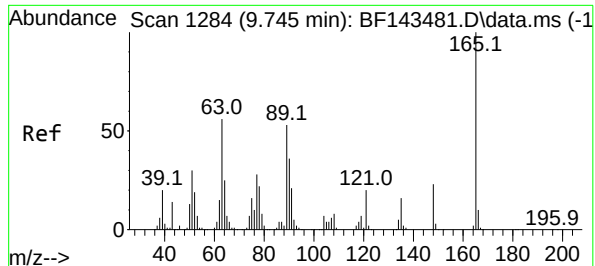
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

164 9.9 8.2 12.2

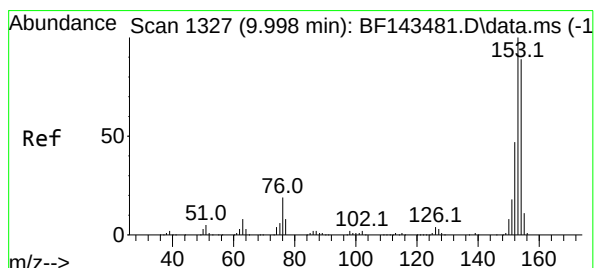
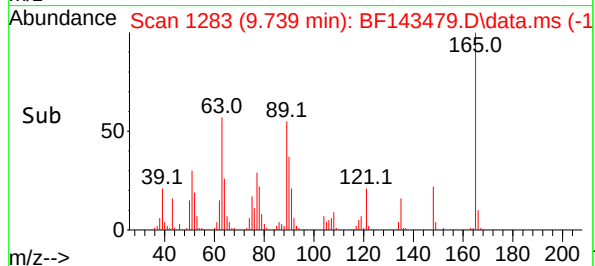
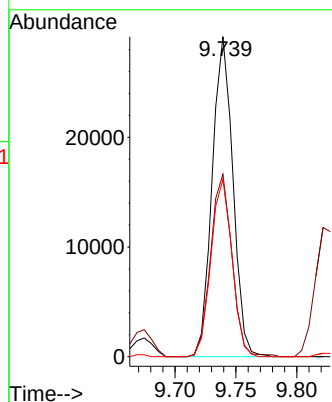
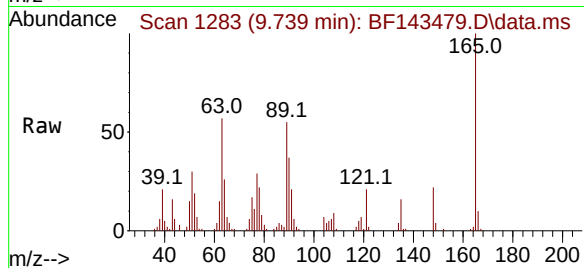




#51
2,6-Dinitrotoluene
Concen: 9.493 ng
RT: 9.739 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

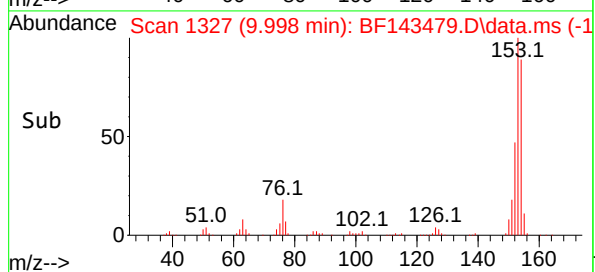
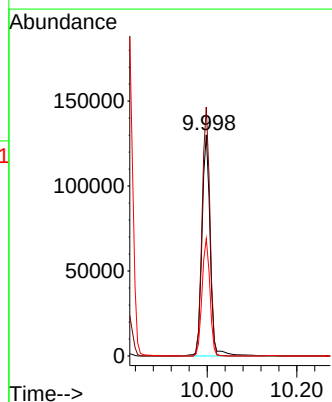
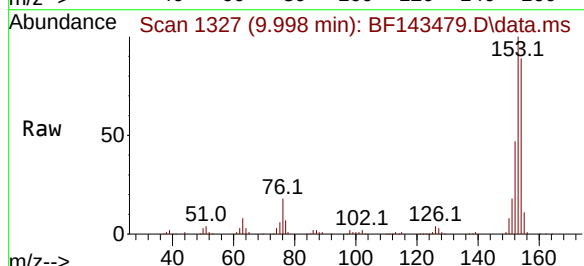
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

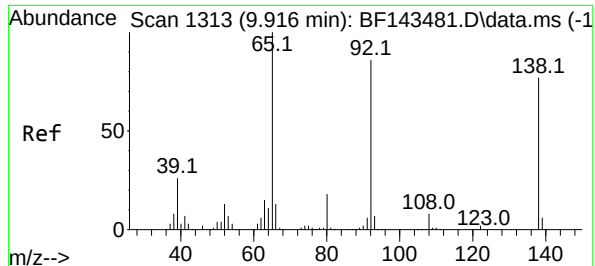
Tgt Ion:165 Resp: 34570
Ion Ratio Lower Upper
165 100
63 57.0 45.0 67.6
89 55.4 42.5 63.7



#52
Acenaphthene
Concen: 10.441 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:154 Resp: 164918
Ion Ratio Lower Upper
154 100
153 112.6 89.5 134.3
152 53.1 42.5 63.7

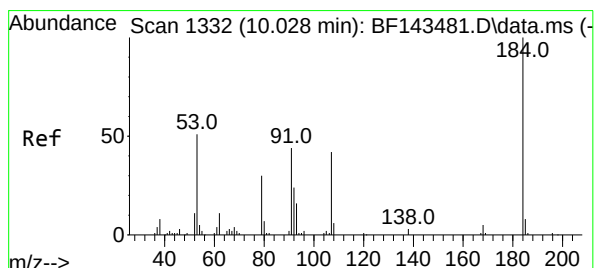
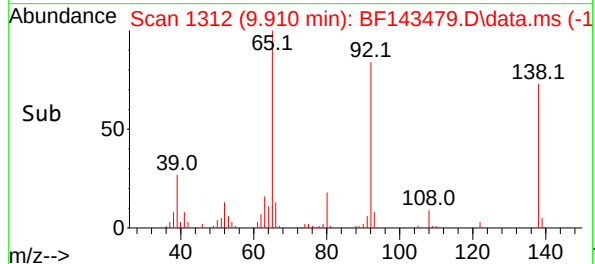
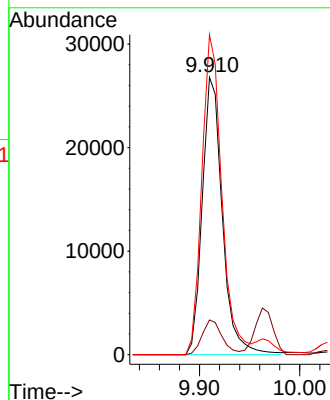
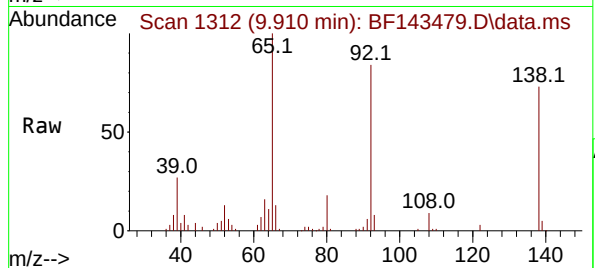




#53
3-Nitroaniline
Concen: 9.523 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

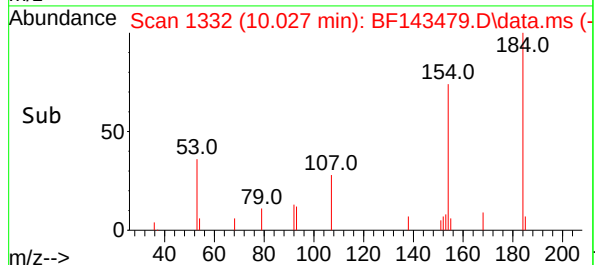
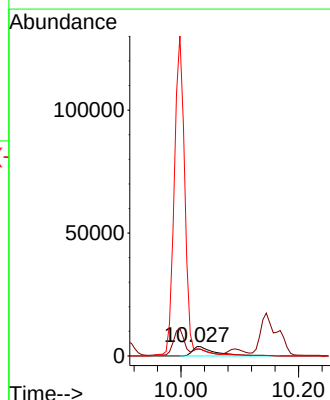
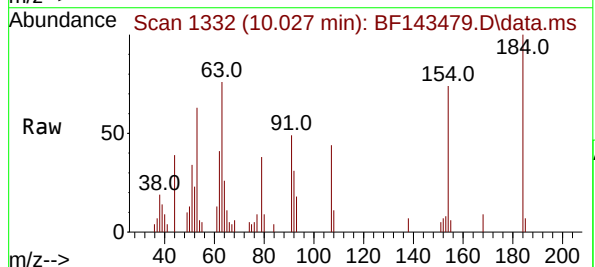
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

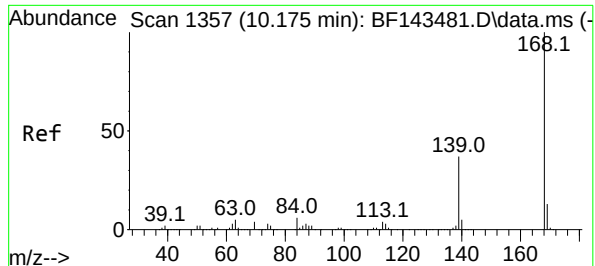
Tgt Ion:138 Resp: 37475
Ion Ratio Lower Upper
138 100
108 12.5 8.6 13.0
92 115.3 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 10.295 ng
RT: 10.027 min Scan# 1332
Delta R.T. -0.001 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:184 Resp: 10431
Ion Ratio Lower Upper
184 100
63 75.6 52.6 78.8
154 73.9 51.0 76.4





#55

Dibenzenofuran

Concen: 10.528 ng

RT: 10.169 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

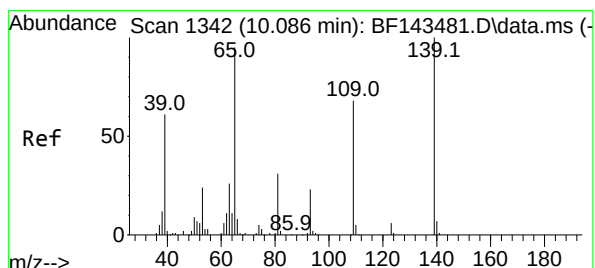
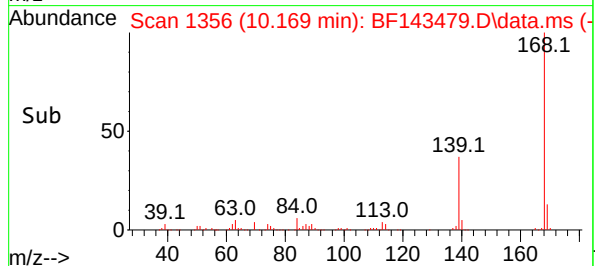
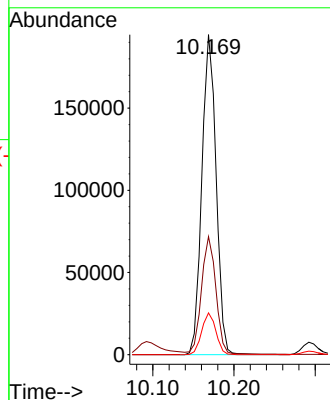
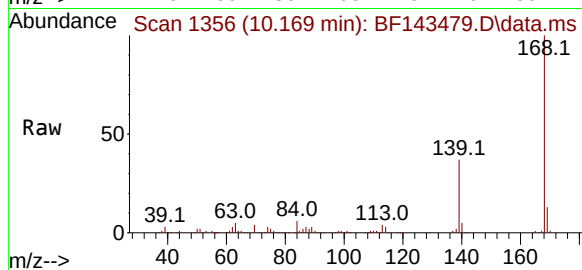
Tgt Ion:168 Resp: 237099

Ion Ratio Lower Upper

168 100

139 36.9 29.8 44.6

169 13.1 10.8 16.2



#56

4-Nitrophenol

Concen: 7.146 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

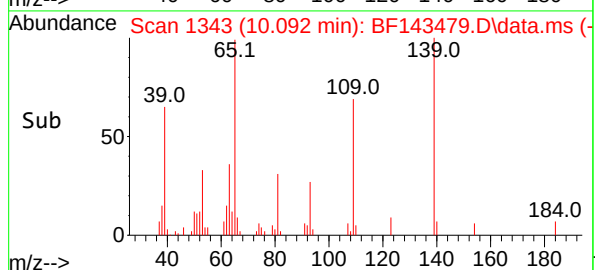
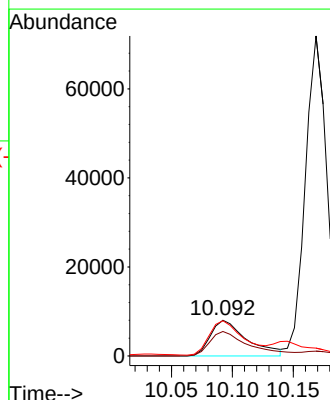
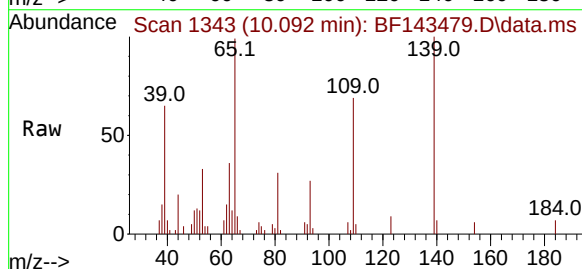
Tgt Ion:139 Resp: 16733

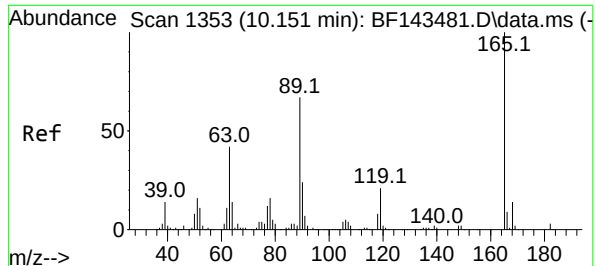
Ion Ratio Lower Upper

139 100

109 68.9 48.2 88.2

65 98.8 75.8 115.8

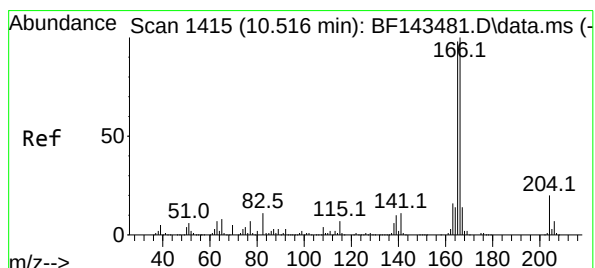
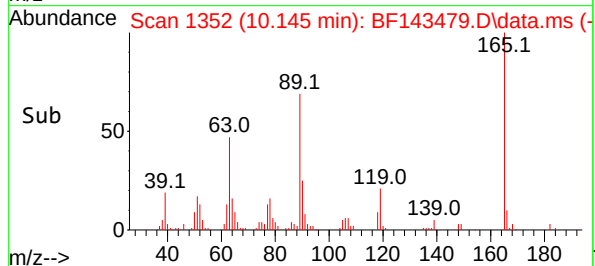
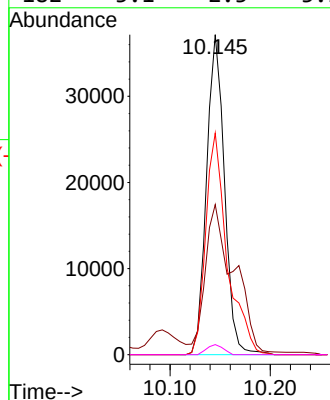
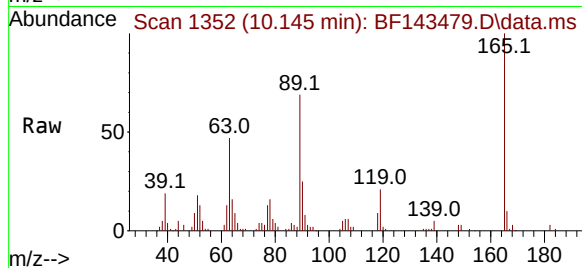




#57
2,4-Dinitrotoluene
Concen: 9.534 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

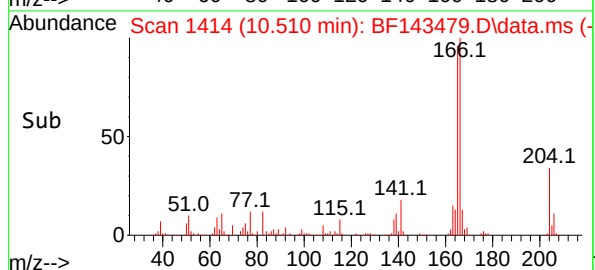
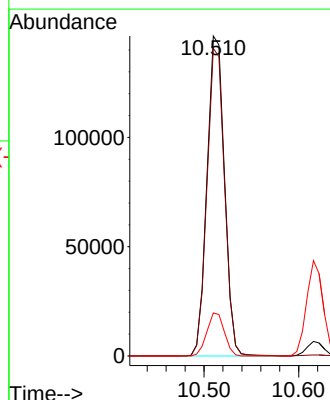
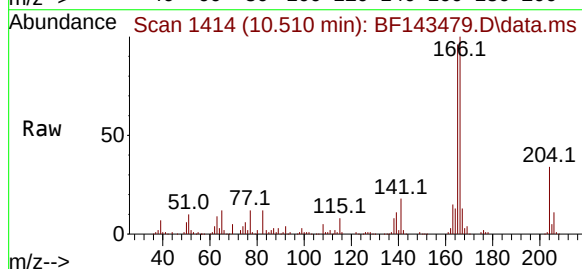
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

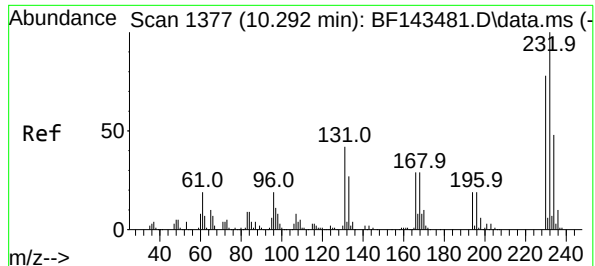
Tgt Ion:165 Resp: 46361
Ion Ratio Lower Upper
165 100
63 46.9 34.9 52.3
89 69.2 53.3 79.9
182 3.1 2.3 3.5



#58
Fluorene
Concen: 10.820 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

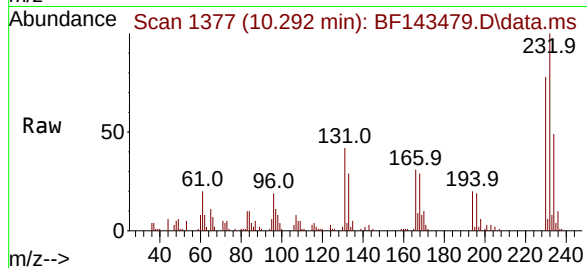
Tgt Ion:166 Resp: 187535
Ion Ratio Lower Upper
166 100
165 96.1 78.3 117.5
167 13.4 11.0 16.4



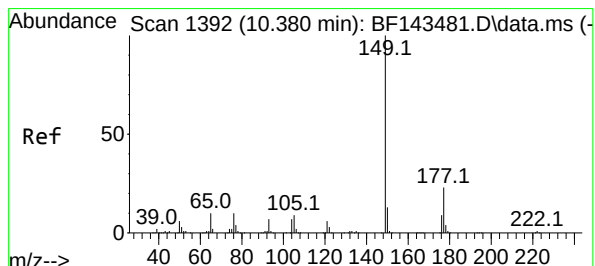
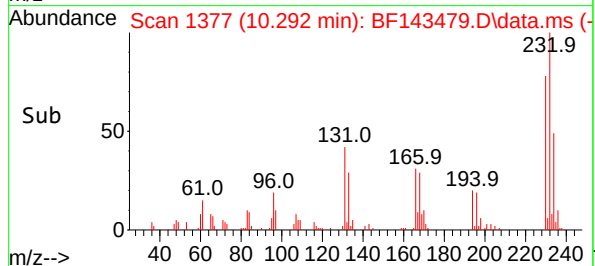
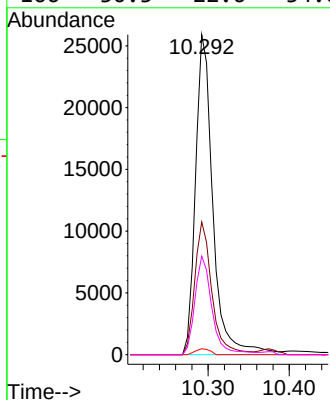


#59
2,3,4,6-Tetrachlorophenol
Concen: 9.253 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

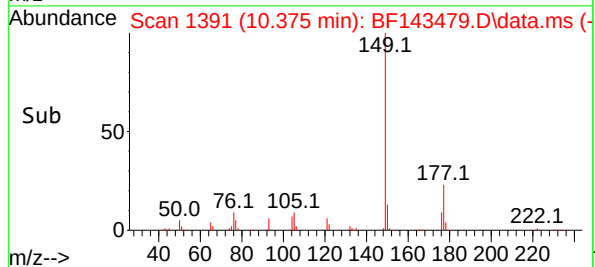
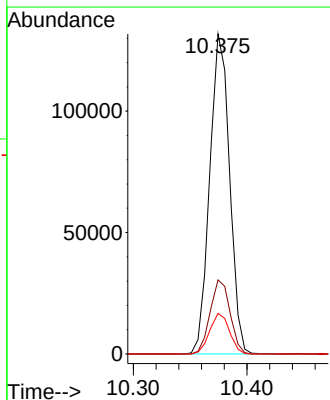
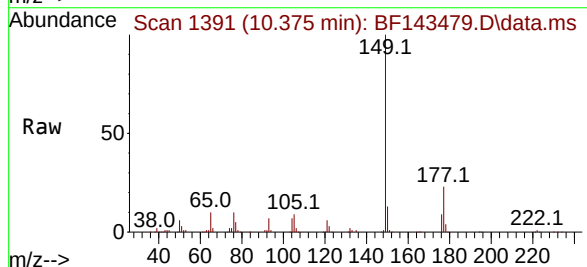


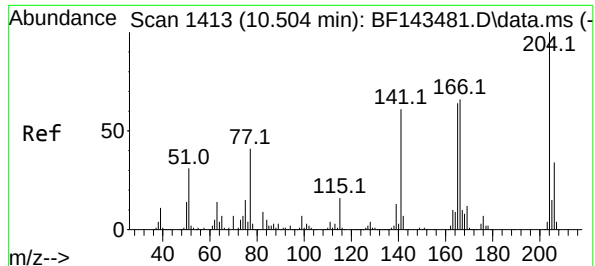
Tgt Ion:232 Resp: 38561
Ion Ratio Lower Upper
232 100
131 41.1 32.7 49.1
130 1.6 1.6 2.4#
166 30.3 22.6 34.0



#60
Diethylphthalate
Concen: 10.156 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:149 Resp: 160006
Ion Ratio Lower Upper
149 100
177 23.2 18.3 27.5
150 12.7 10.3 15.5

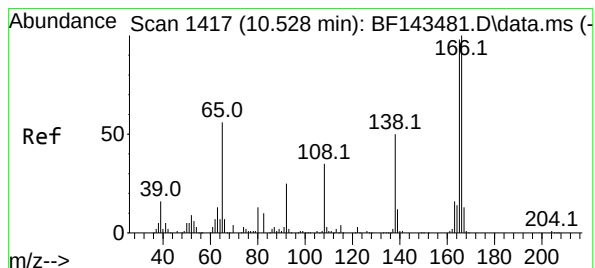
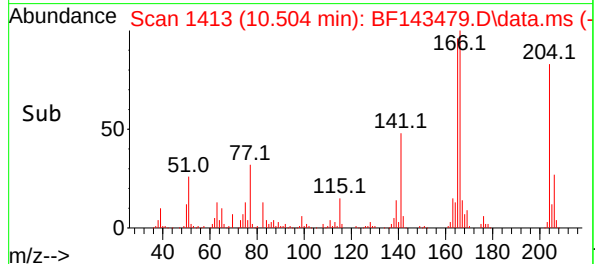
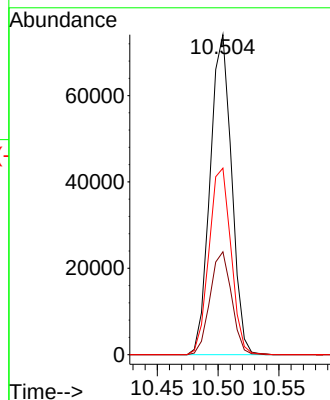
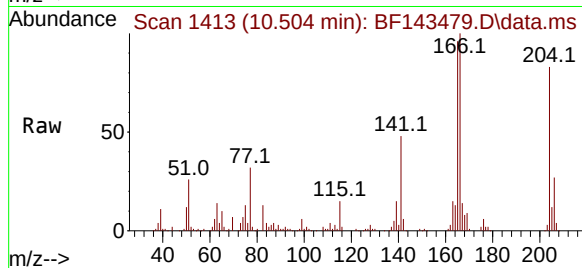




#61
4-Chlorophenyl-phenylether
Concen: 10.494 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

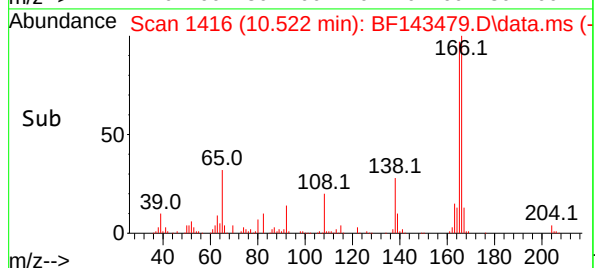
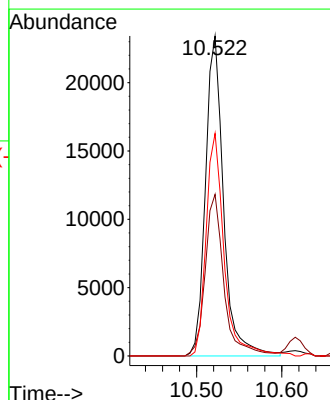
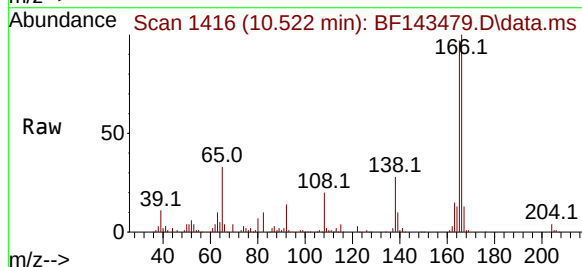
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

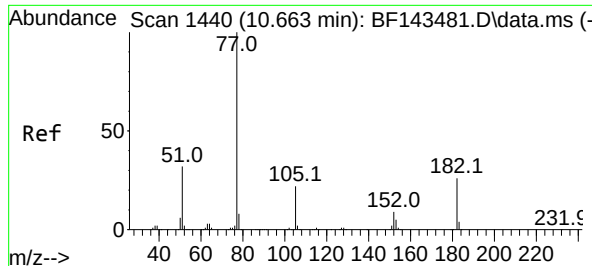
Tgt Ion:204 Resp: 90965
Ion Ratio Lower Upper
204 100
206 32.1 27.0 40.4
141 58.3 48.7 73.1



#62
4-Nitroaniline
Concen: 9.550 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:138 Resp: 34518
Ion Ratio Lower Upper
138 100
92 50.5 29.3 69.3
108 69.5 50.7 90.7

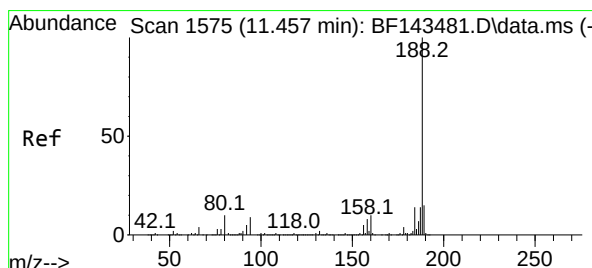
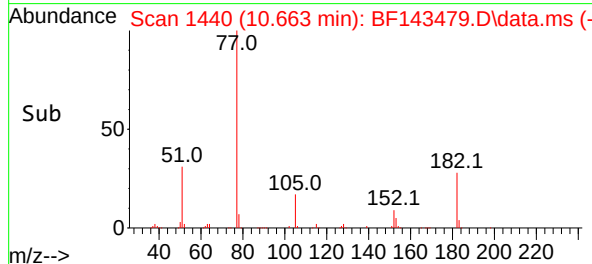
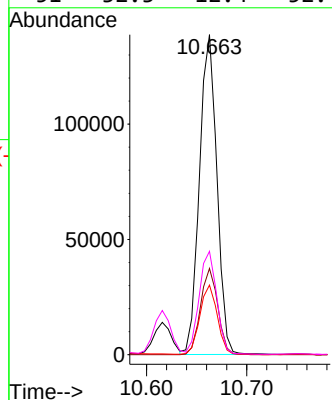
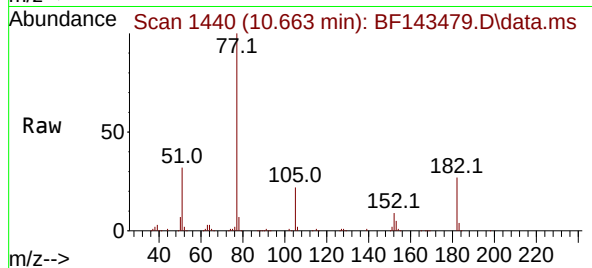




#63
Azobenzene
Concen: 10.307 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

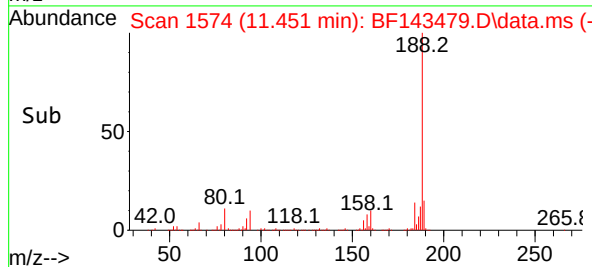
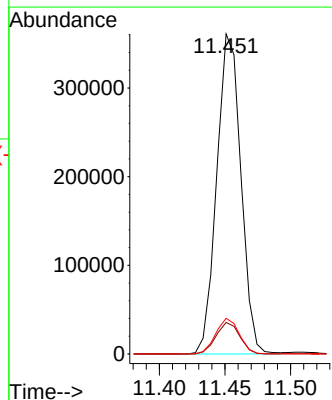
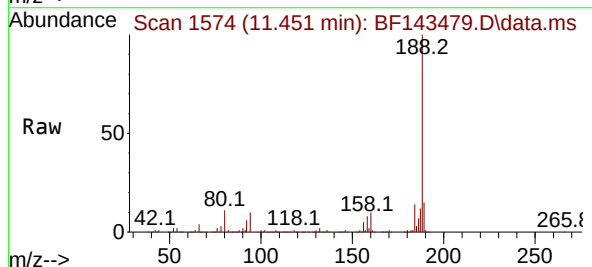
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

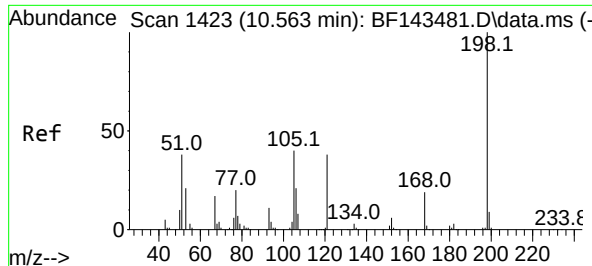
Tgt Ion: 77	Resp: 168373
Ion Ratio	Lower Upper
77	100
182	26.9 6.2 46.2
105	21.8 2.2 42.2
51	32.3 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 188	Resp: 461672
Ion Ratio	Lower Upper
188	100
94	9.9 7.4 11.2
80	11.1 8.2 12.4

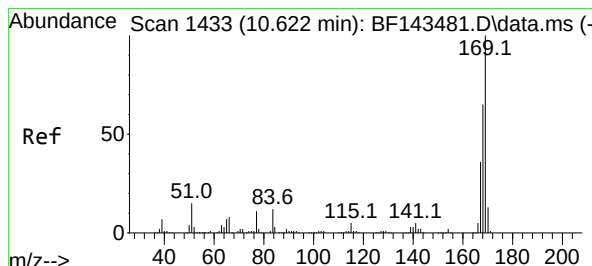
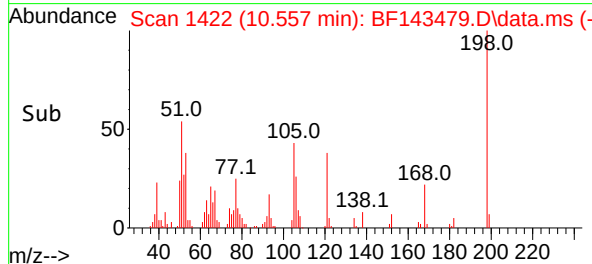
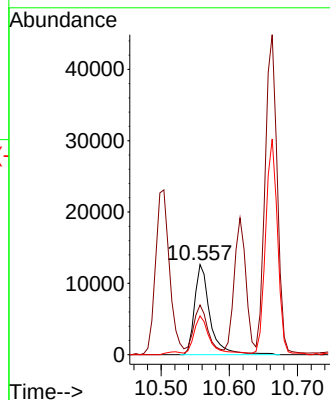
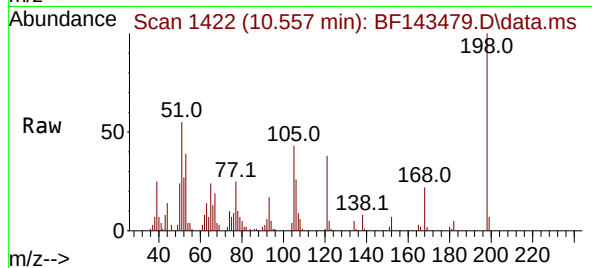




#65
4,6-Dinitro-2-methylphenol
Concen: 7.552 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

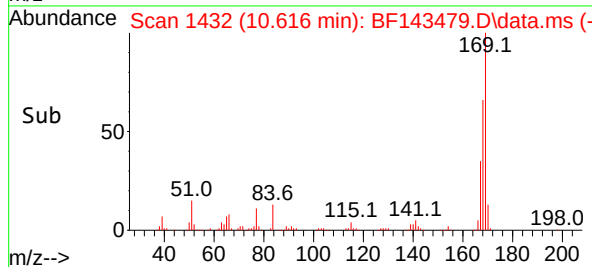
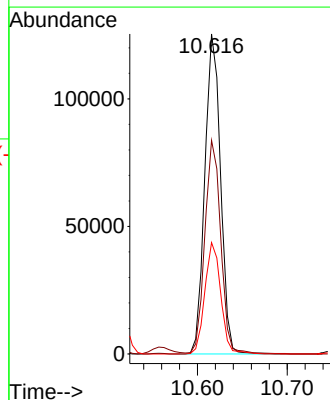
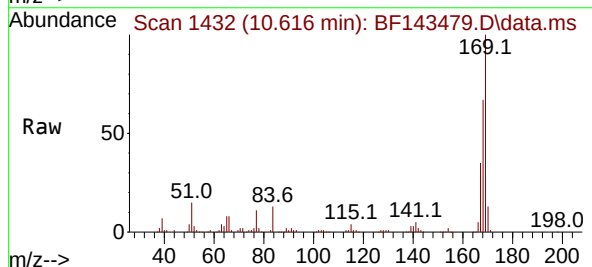
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

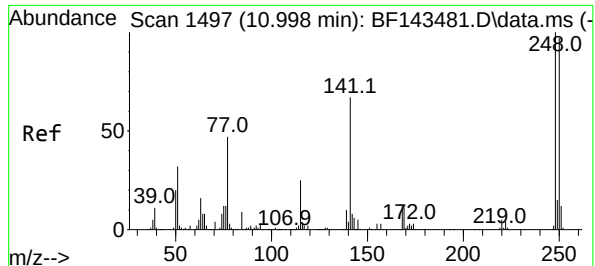
Tgt Ion	Ratio	Lower	Upper
198	100		
51	55.1	29.6	69.6
105	43.0	21.5	61.5



#66
n-Nitrosodiphenylamine
Concen: 10.271 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.4	78.6
167	34.8	28.9	43.3

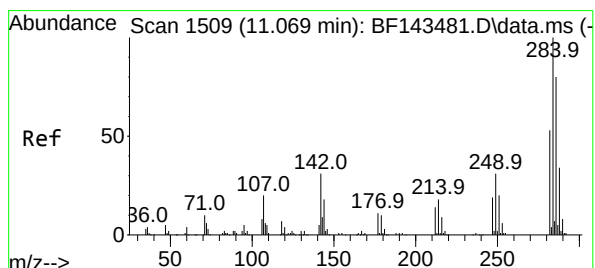
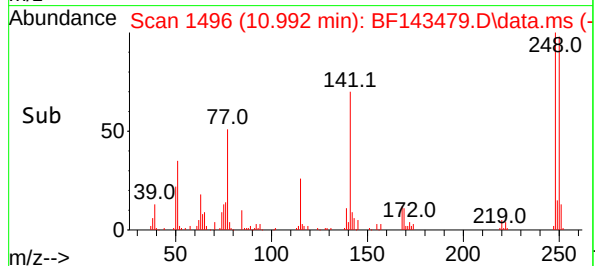
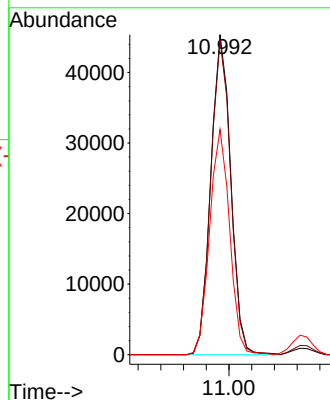
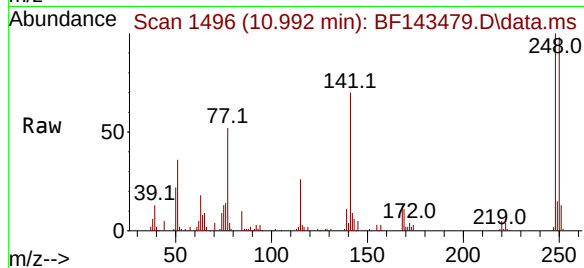




#67
4-Bromophenyl-phenylether
Concen: 10.043 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

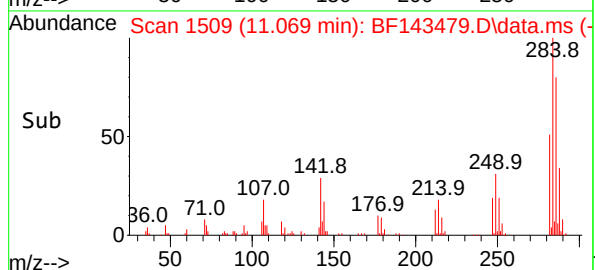
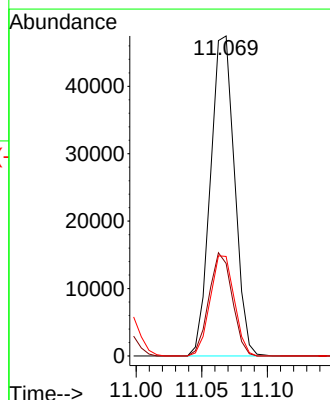
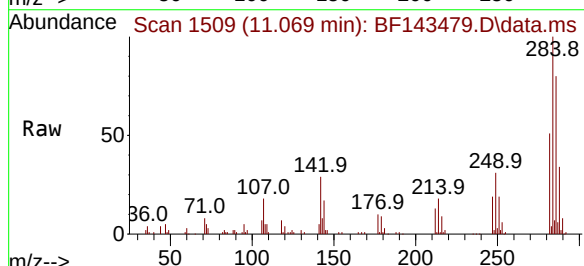
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

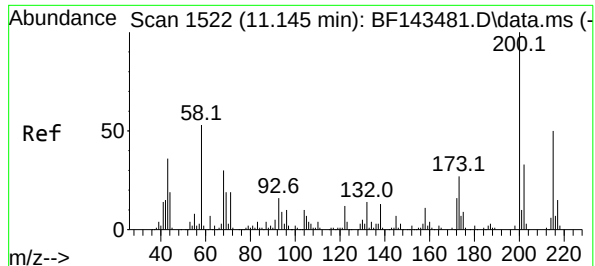
Tgt Ion:248 Resp: 55324
Ion Ratio Lower Upper
248 100
250 98.3 77.8 116.8
141 70.4 54.0 81.0



#68
Hexachlorobenzene
Concen: 10.202 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:284 Resp: 60577
Ion Ratio Lower Upper
284 100
142 28.9 24.4 36.6
249 31.1 25.0 37.6





#69

Atrazine

Concen: 9.406 ng

RT: 11.139 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

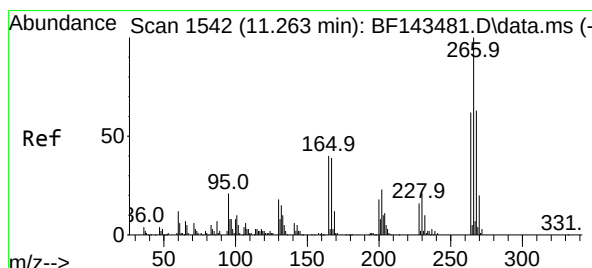
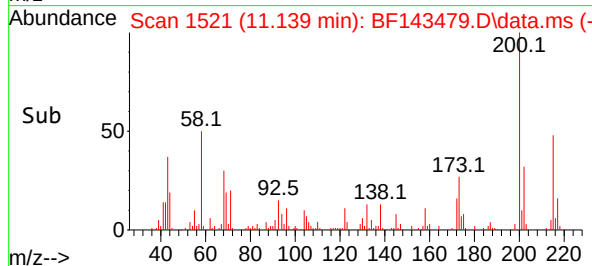
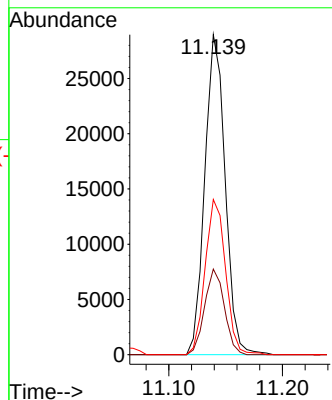
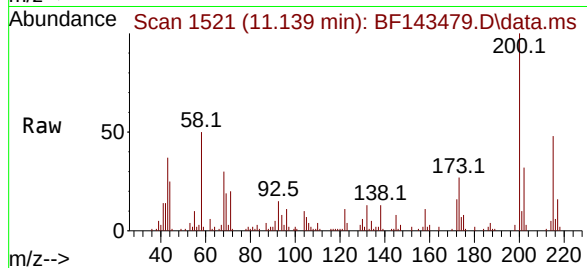
Tgt Ion:200 Resp: 36074

Ion Ratio Lower Upper

200 100

173 26.7 6.9 46.9

215 48.5 30.0 70.0



#70

Pentachlorophenol

Concen: 7.492 ng

RT: 11.269 min Scan# 1543

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

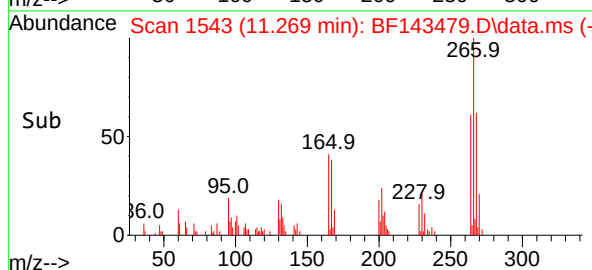
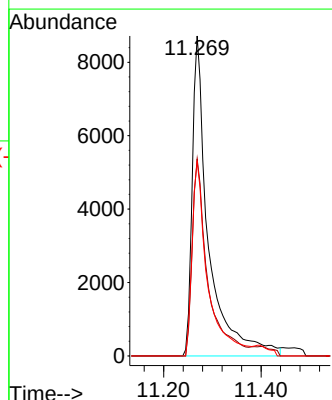
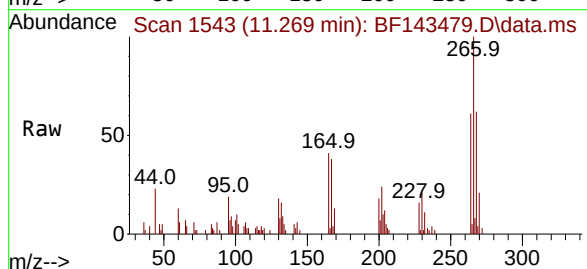
Tgt Ion:266 Resp: 20373

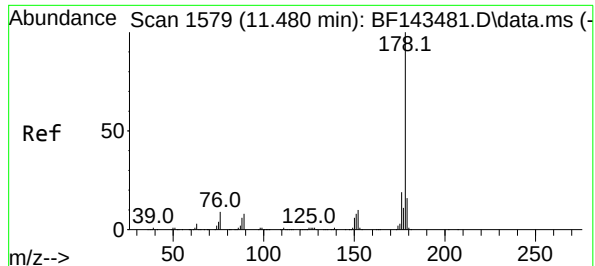
Ion Ratio Lower Upper

266 100

268 61.6 50.5 75.7

264 60.9 49.8 74.8





#71

Phenanthrene

Concen: 10.486 ng

RT: 11.474 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

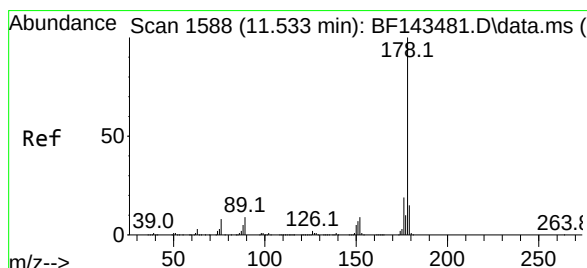
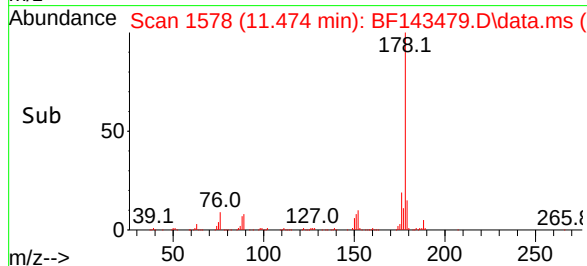
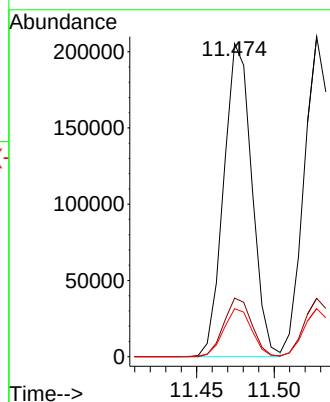
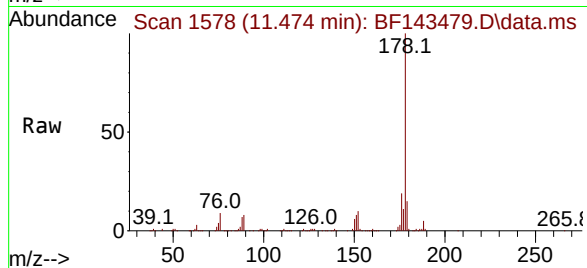
Tgt Ion:178 Resp: 259254

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 15.3 12.5 18.7



#72

Anthracene

Concen: 10.541 ng

RT: 11.527 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

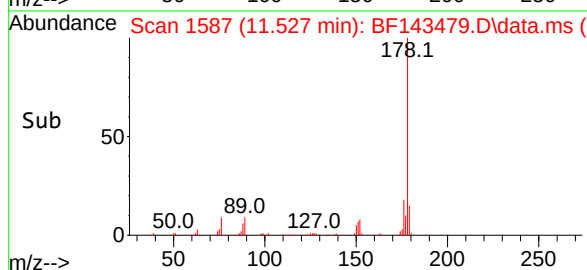
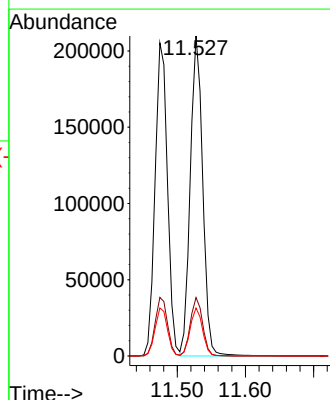
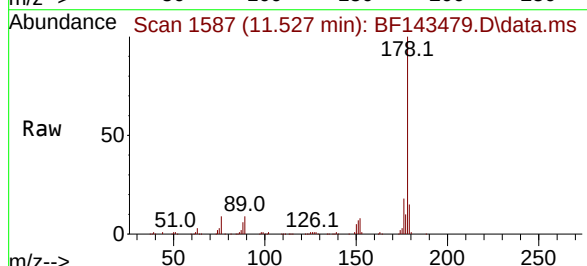
Tgt Ion:178 Resp: 263998

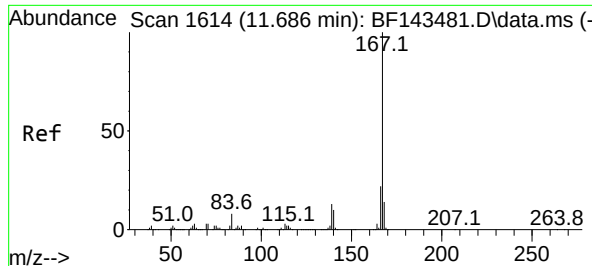
Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

179 15.0 12.3 18.5

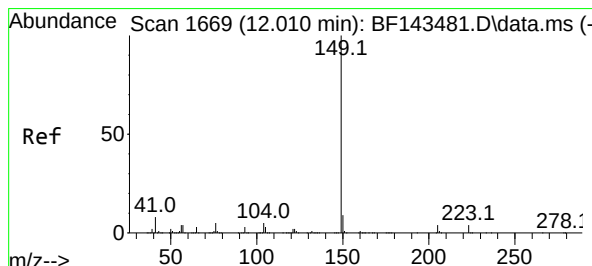
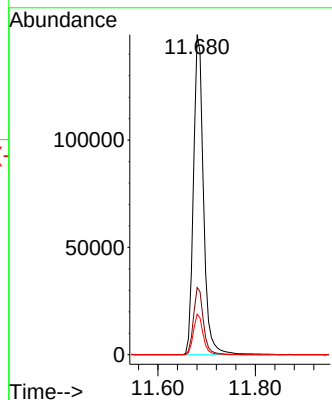
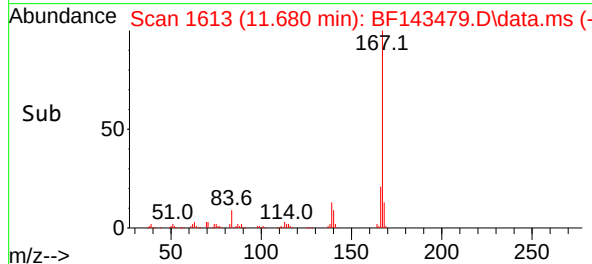
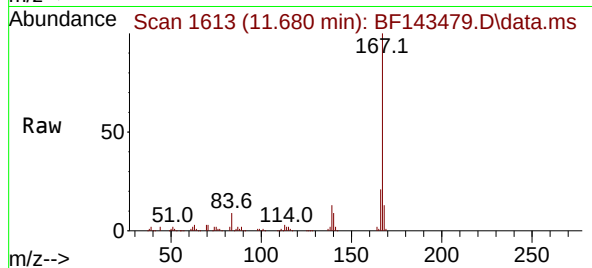




#73
Carbazole
Concen: 10.400 ng
RT: 11.680 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

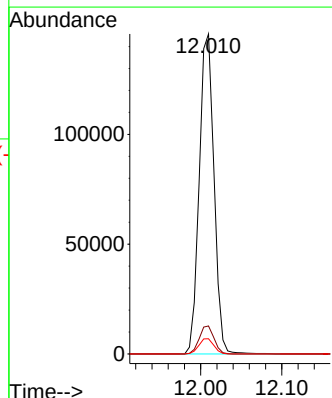
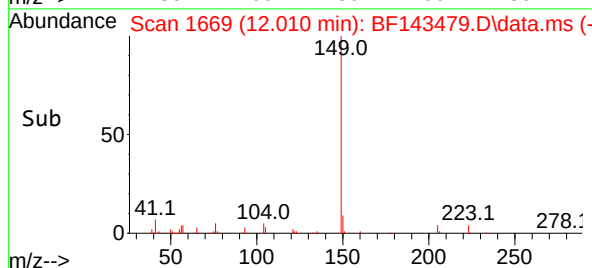
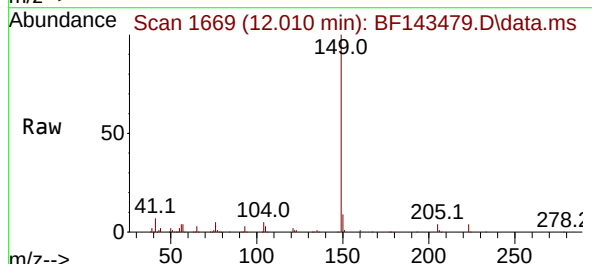
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

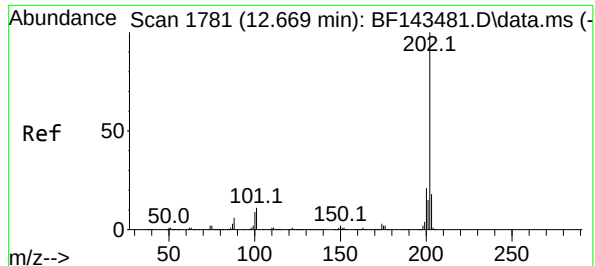
Tgt Ion:167 Resp: 213439
Ion Ratio Lower Upper
167 100
166 20.9 17.3 25.9
139 12.6 10.0 15.0



#74
Di-n-butylphthalate
Concen: 9.642 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:149 Resp: 184596
Ion Ratio Lower Upper
149 100
150 8.8 7.2 10.8
104 4.8 3.6 5.4





#75

Fluoranthene

Concen: 10.618 ng

RT: 12.668 min Scan# 1781

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

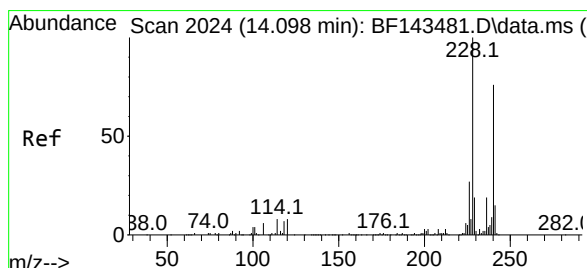
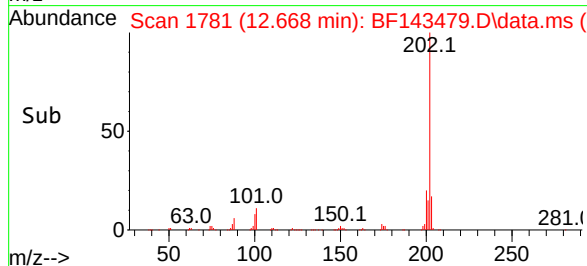
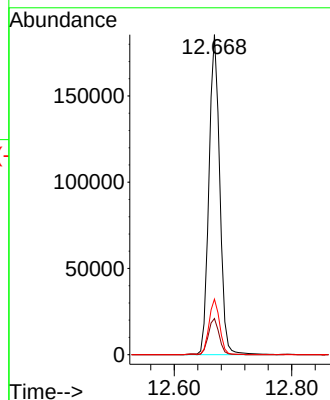
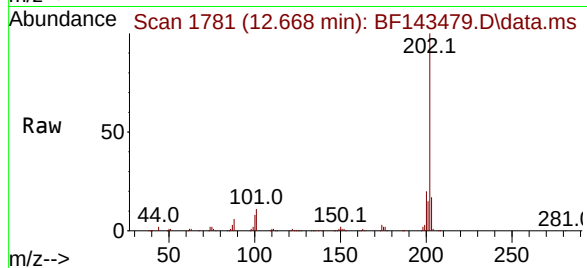
Tgt Ion:202 Resp: 235543

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.3

203 17.4 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

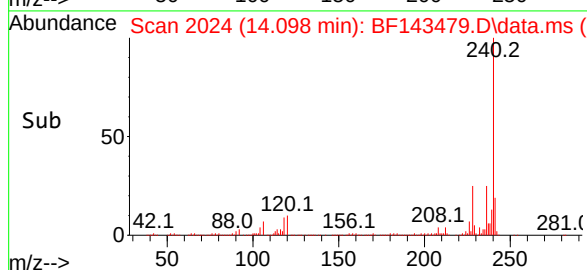
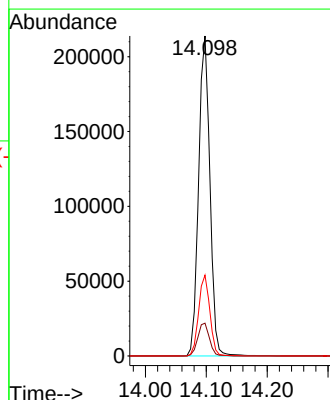
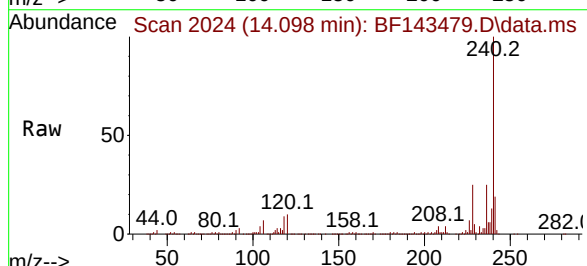
Tgt Ion:240 Resp: 274933

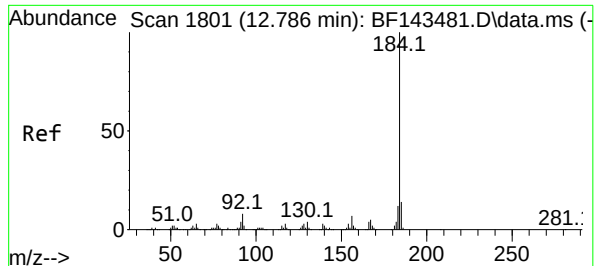
Ion Ratio Lower Upper

240 100

120 10.3 8.6 12.8

236 25.2 20.4 30.6





#77

Benzidine

Concen: 12.549 ng

RT: 12.786 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

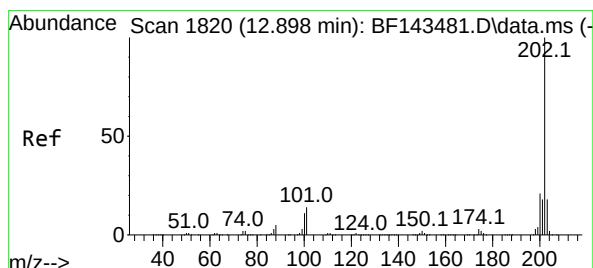
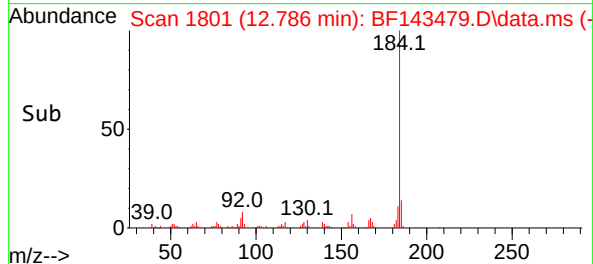
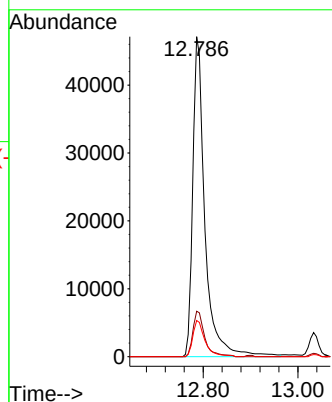
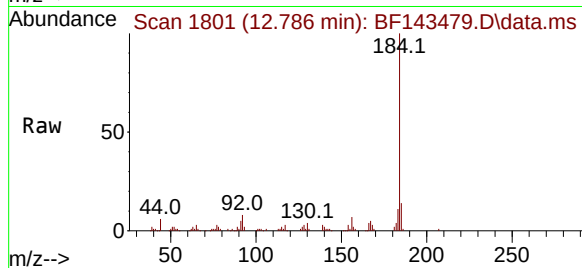
Tgt Ion:184 Resp: 84040

Ion Ratio Lower Upper

184 100

185 14.2 11.3 16.9

183 11.3 9.5 14.3



#78

Pyrene

Concen: 10.747 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

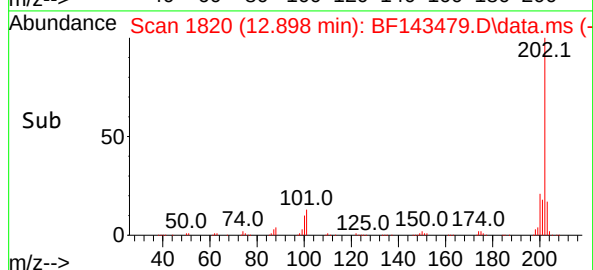
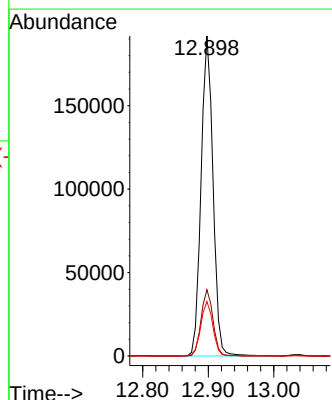
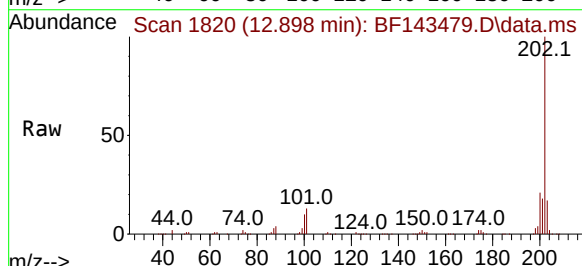
Tgt Ion:202 Resp: 243049

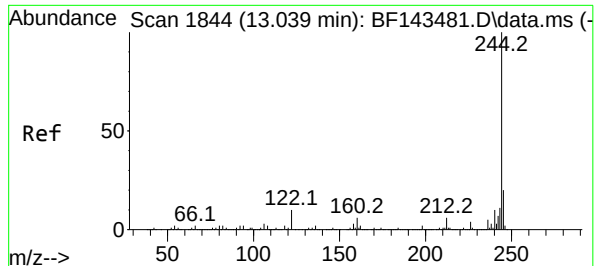
Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 17.0 14.3 21.5





#79

Terphenyl-d14

Concen: 21.893 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

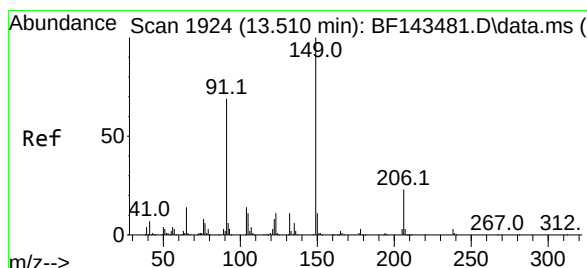
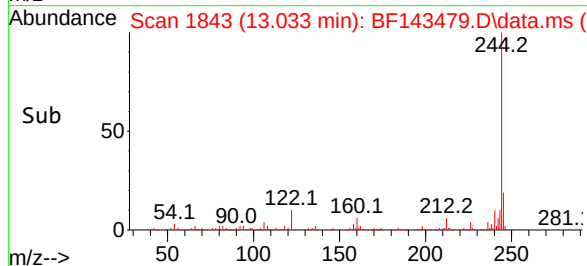
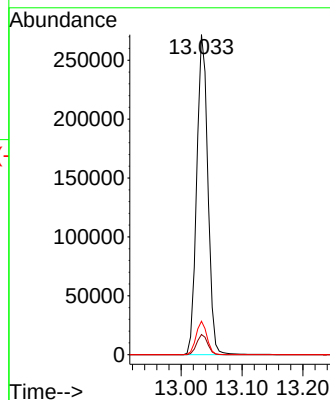
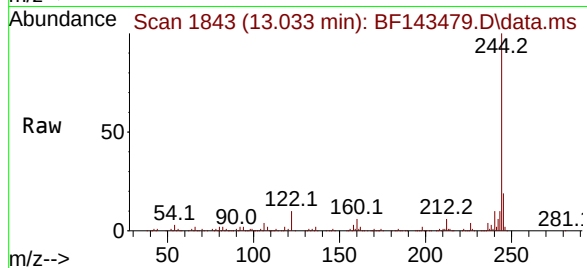
Tgt Ion:244 Resp: 344924

Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

122 10.4 7.9 11.9



#80

Butylbenzylphthalate

Concen: 8.939 ng

RT: 13.510 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

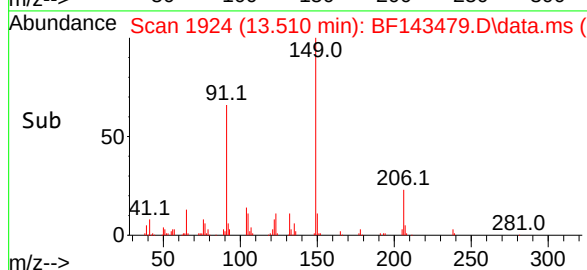
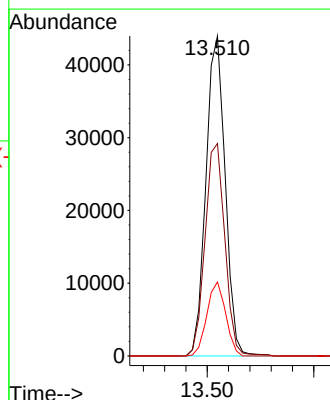
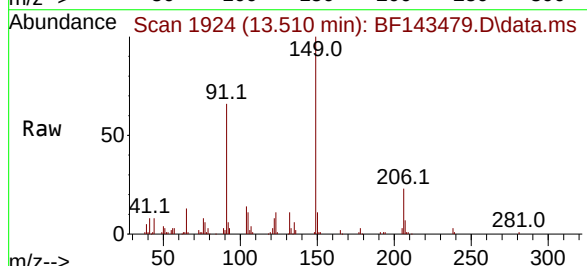
Tgt Ion:149 Resp: 55227

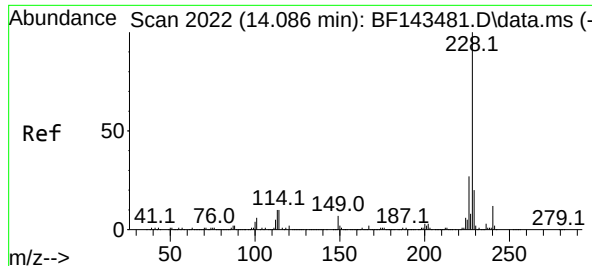
Ion Ratio Lower Upper

149 100

91 66.4 55.3 82.9

206 23.1 18.2 27.4

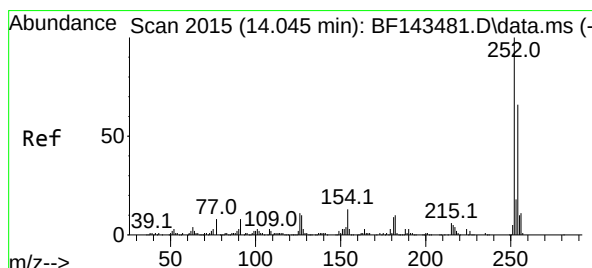
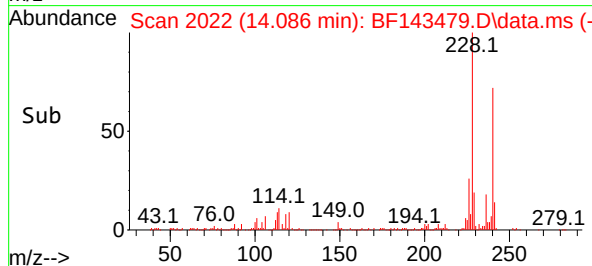
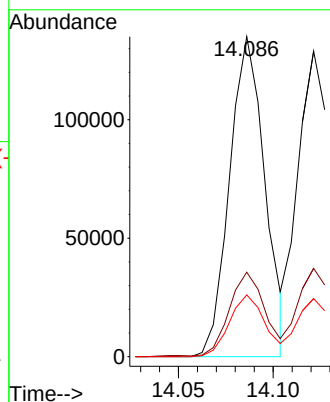
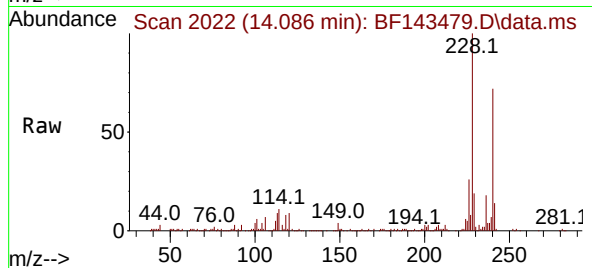




#81
Benzo(a)anthracene
Concen: 9.898 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

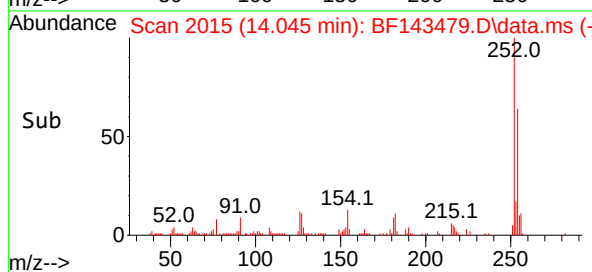
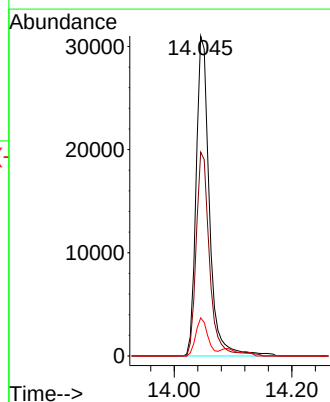
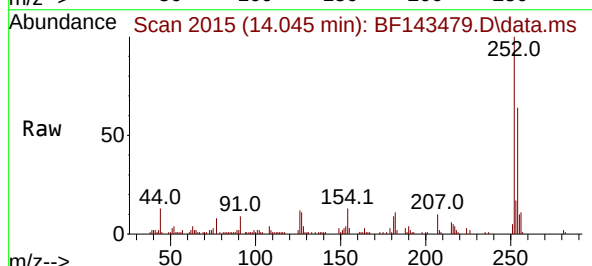
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

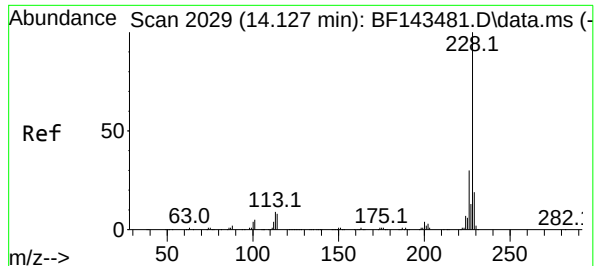
Tgt Ion:228 Resp: 175192
Ion Ratio Lower Upper
228 100
226 26.4 21.7 32.5
229 19.3 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 9.566 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:252 Resp: 48491
Ion Ratio Lower Upper
252 100
254 63.7 52.6 79.0
126 11.9 8.7 13.1





#83

Chrysene

Concen: 10.323 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

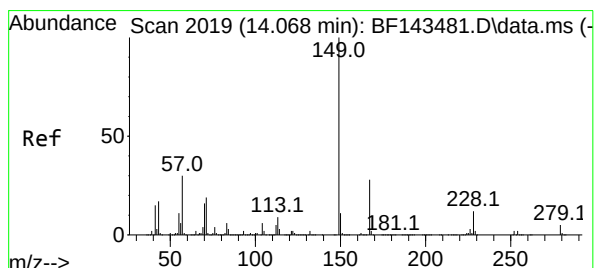
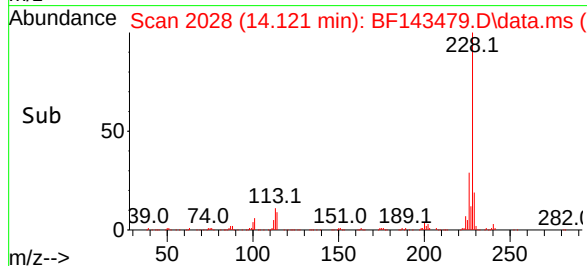
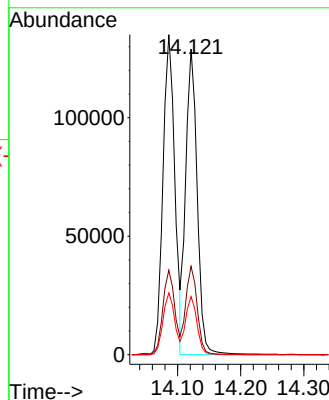
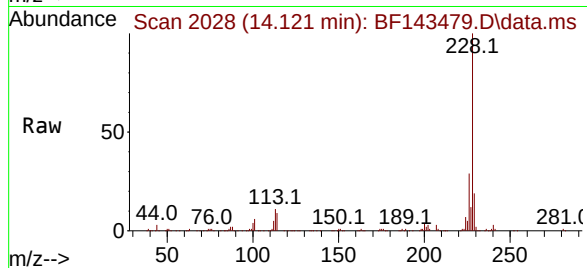
Tgt Ion:228 Resp: 164205

Ion Ratio Lower Upper

228 100

226 28.9 23.7 35.5

229 19.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.146 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

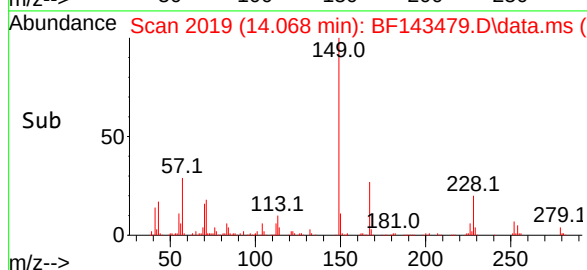
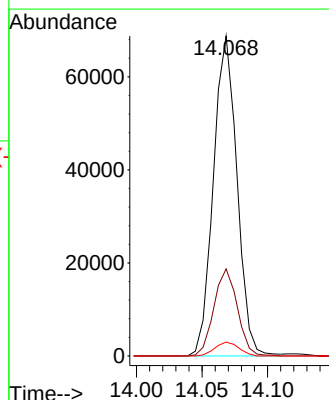
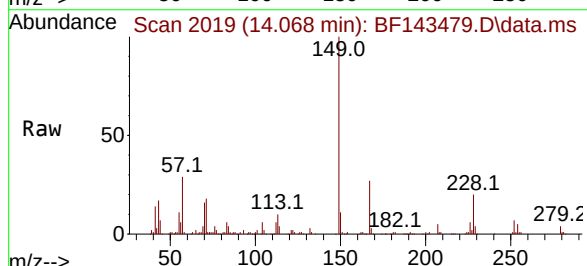
Tgt Ion:149 Resp: 86065

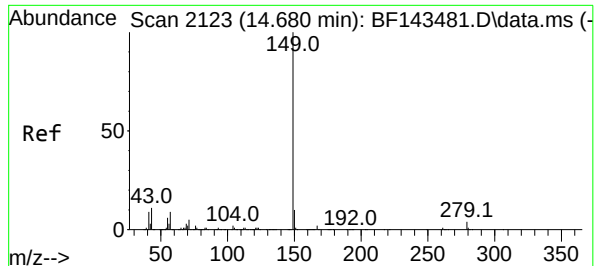
Ion Ratio Lower Upper

149 100

167 27.2 22.2 33.2

279 4.4 3.6 5.4

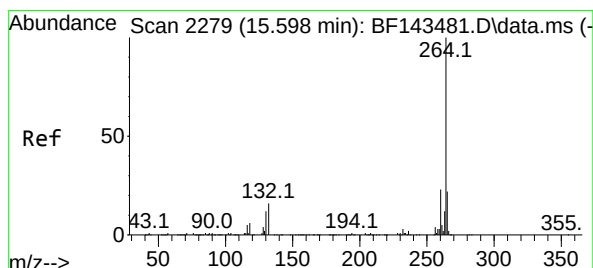
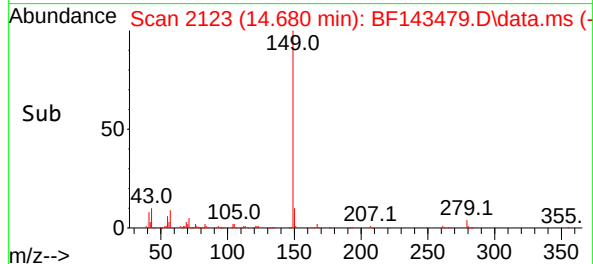
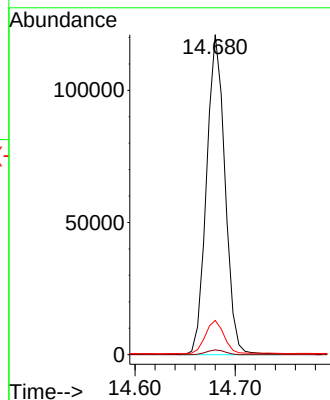
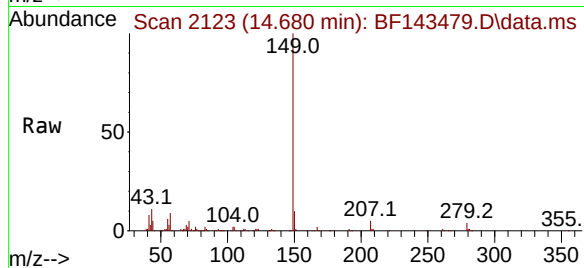




#85
Di-n-octyl phthalate
Concen: 8.906 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

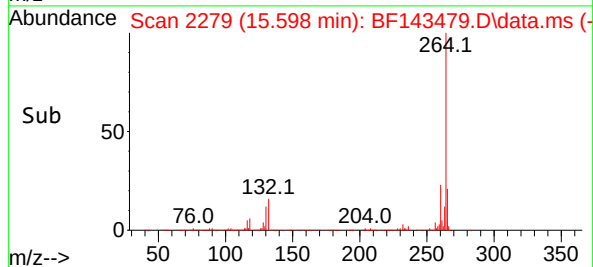
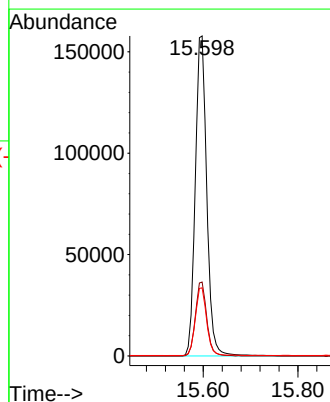
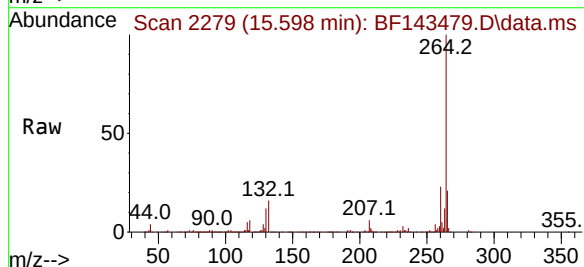
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

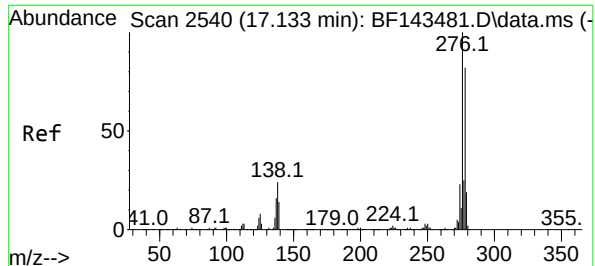
Tgt Ion:149 Resp: 155239
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.5 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:264 Resp: 265385
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.3 17.6 26.4

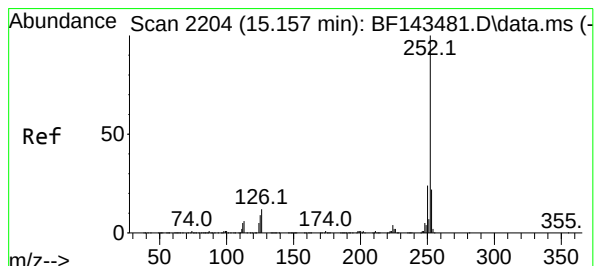
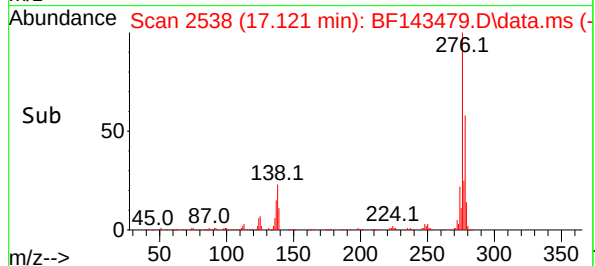
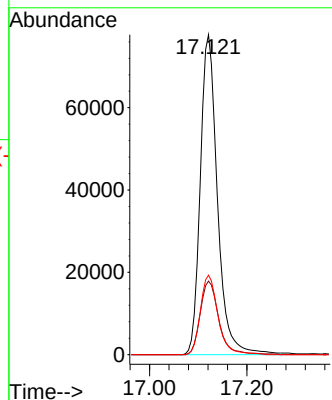
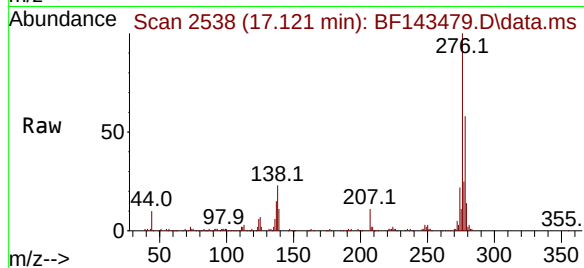




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.970 ng
RT: 17.121 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

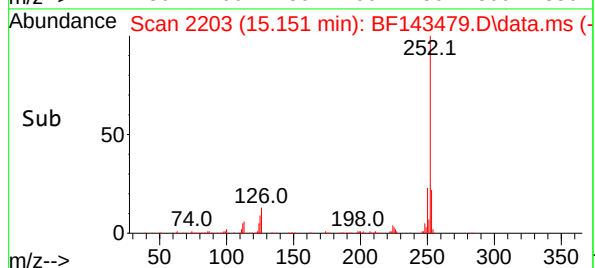
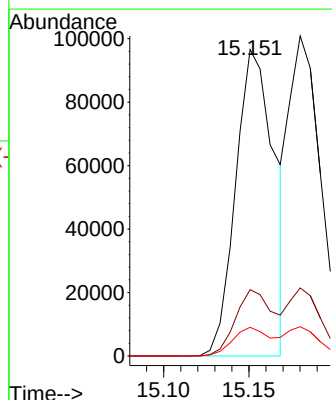
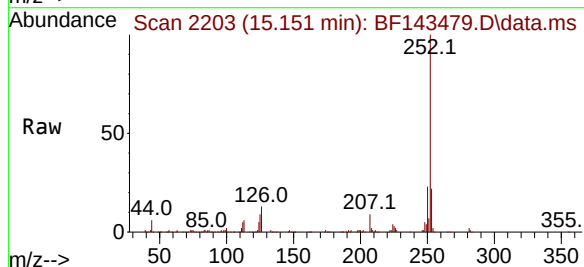
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

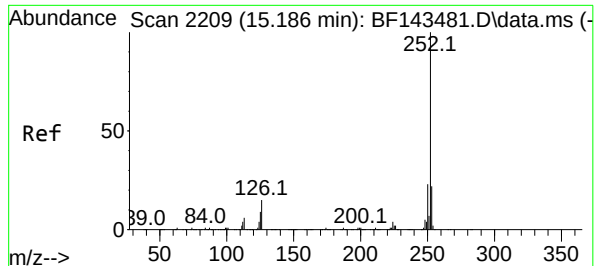
Tgt Ion:276 Resp: 190133
Ion Ratio Lower Upper
276 100
138 25.0 19.2 28.8
277 25.5 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 10.314 ng
RT: 15.151 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:252 Resp: 152145
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 9.4 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 9.524 ng

RT: 15.180 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

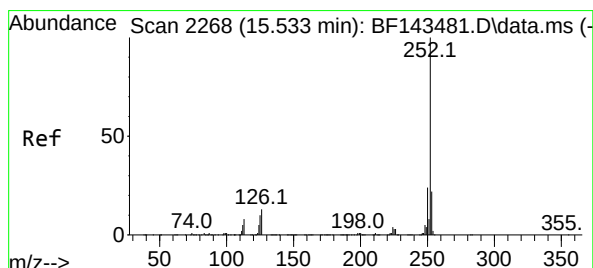
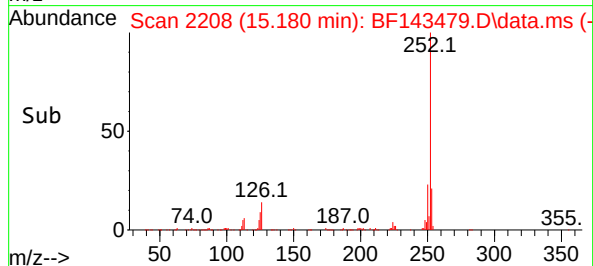
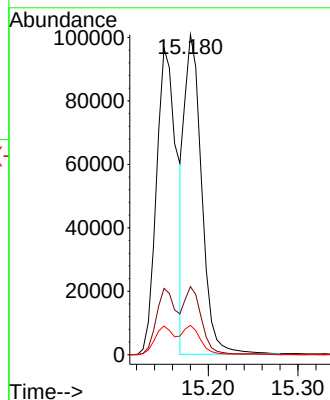
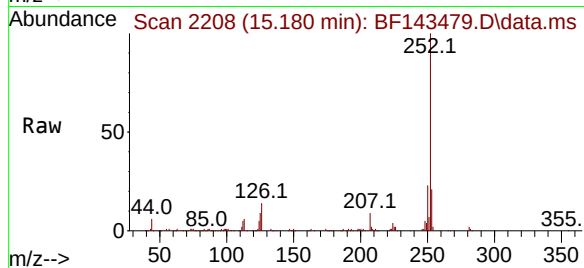
Tgt Ion:252 Resp: 134513

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

125 9.2 7.4 11.0



#90

Benzo(a)pyrene

Concen: 9.898 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

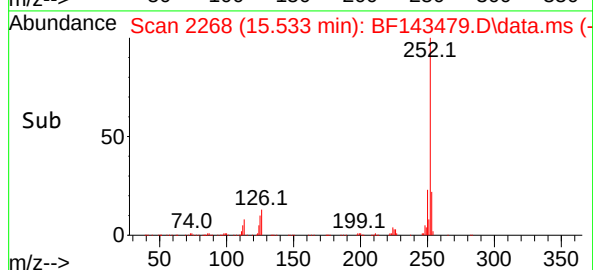
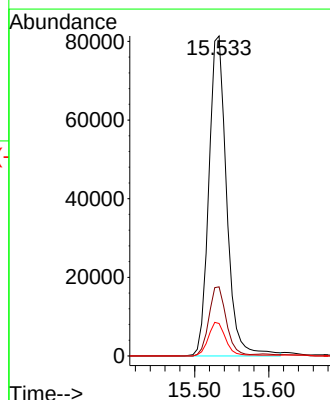
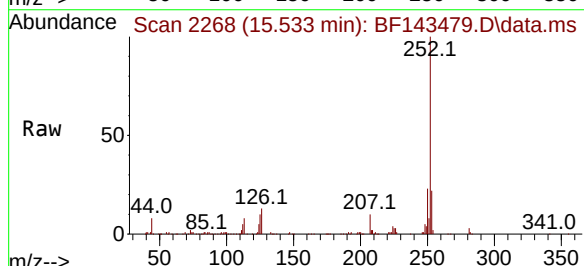
Tgt Ion:252 Resp: 135536

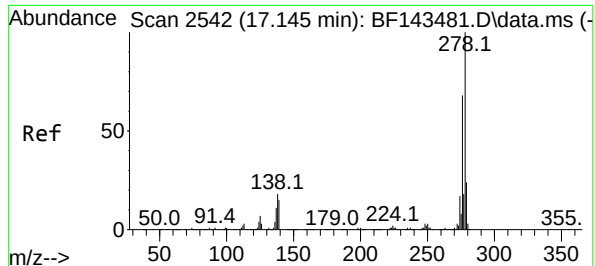
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 10.1 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 10.113 ng

RT: 17.133 min Scan# 2542

Delta R.T. -0.024 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

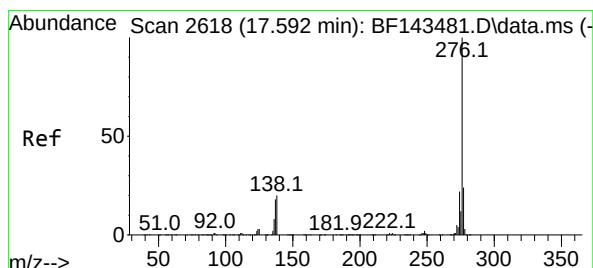
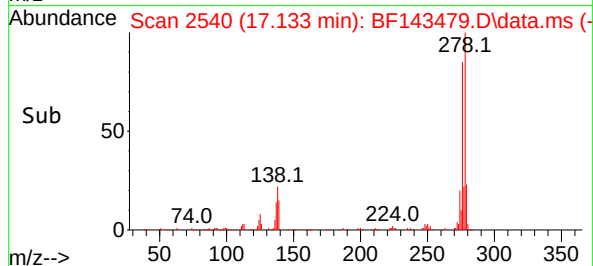
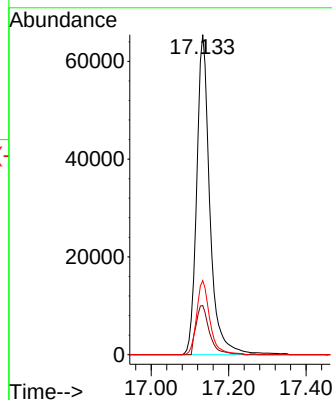
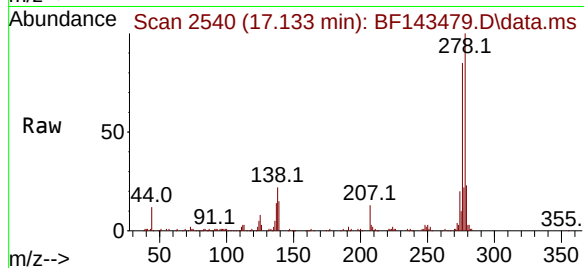
Tgt Ion:278 Resp: 154454

Ion Ratio Lower Upper

278 100

139 15.3 12.1 18.1

279 23.1 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 9.865 ng

RT: 17.580 min Scan# 2616

Delta R.T. -0.024 min

Lab File: BF143479.D

Acq: 20 Aug 2025 11:54

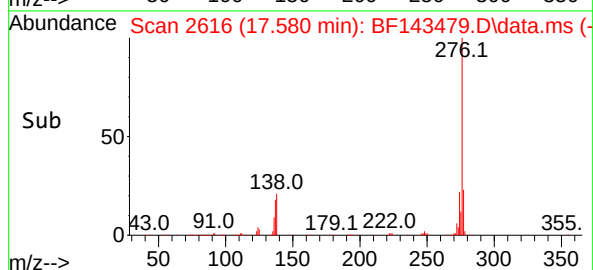
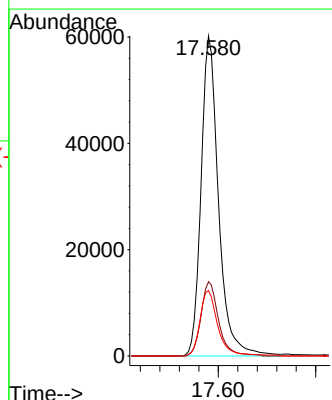
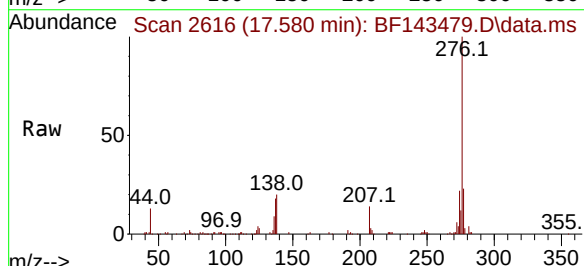
Tgt Ion:276 Resp: 149813

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 20.5 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143480.D
Acq On : 20 Aug 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 20 16:23:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	135122	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	502602	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	273375	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	425626	20.000	ng	0.00
76) Chrysene-d12	14.098	240	241250	20.000	ng	0.00
86) Perylene-d12	15.598	264	255472	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	322546	41.682	ng	0.00
7) Phenol-d6	6.557	99	397415	41.604	ng	-0.02
23) Nitrobenzene-d5	7.487	82	358365	41.608	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	106021	41.663	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	723237	43.723	ng	0.00
79) Terphenyl-d14	13.033	244	601957	43.541	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	72831	20.317	ng	99
3) Pyridine	3.528	79	193877	20.306	ng	100
4) n-Nitrosodimethylamine	3.452	42	83662	19.492	ng	97
6) Aniline	6.587	93	264694	20.731	ng	99
8) 2-Chlorophenol	6.716	128	175887	20.579	ng	99
9) Benzaldehyde	6.475	77	132575	17.142	ng	100
10) Phenol	6.575	94	233093	21.182	ng	91
11) bis(2-Chloroethyl)ether	6.657	93	166906	20.296	ng	99
12) 1,3-Dichlorobenzene	6.869	146	198141	20.633	ng	99
13) 1,4-Dichlorobenzene	6.945	146	200428	20.806	ng	99
14) 1,2-Dichlorobenzene	7.098	146	187297	20.536	ng	100
15) Benzyl Alcohol	7.063	79	143623	20.082	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	277424	21.087	ng	96
17) 2-Methylphenol	7.181	107	142643	20.794	ng	95
18) Hexachloroethane	7.439	117	67887	20.727	ng	98
19) n-Nitroso-di-n-propyla...	7.328	70	118831	20.353	ng	97
20) 3+4-Methylphenols	7.334	107	178398	21.785	ng	98
22) Acetophenone	7.328	105	230609	21.238	ng	# 99
24) Nitrobenzene	7.504	77	183817	20.736	ng	99
25) Isophorone	7.745	82	323869	20.513	ng	98
26) 2-Nitrophenol	7.822	139	88771	20.444	ng	98
27) 2,4-Dimethylphenol	7.863	122	141452	20.897	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	201584	20.776	ng	99
29) 2,4-Dichlorophenol	8.069	162	152215	21.055	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	157575	21.200	ng	99
31) Naphthalene	8.234	128	509408	21.111	ng	100
32) Benzoic acid	7.963	122	58396	19.199	ng	98
33) 4-Chloroaniline	8.275	127	181928	21.243	ng	99
34) Hexachlorobutadiene	8.351	225	100875	20.802	ng	99
35) Caprolactam	8.628	113	33991	19.594	ng	99
36) 4-Chloro-3-methylphenol	8.757	107	152197	21.008	ng	98
37) 2-Methylnaphthalene	8.922	142	343900	21.339	ng	99
38) 1-Methylnaphthalene	9.022	142	326683	21.191	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	167691	21.445	ng	100
41) Hexachlorocyclopentadiene	9.081	237	41723	19.072	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	99517	20.683	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143480.D
Acq On : 20 Aug 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 20 16:23:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

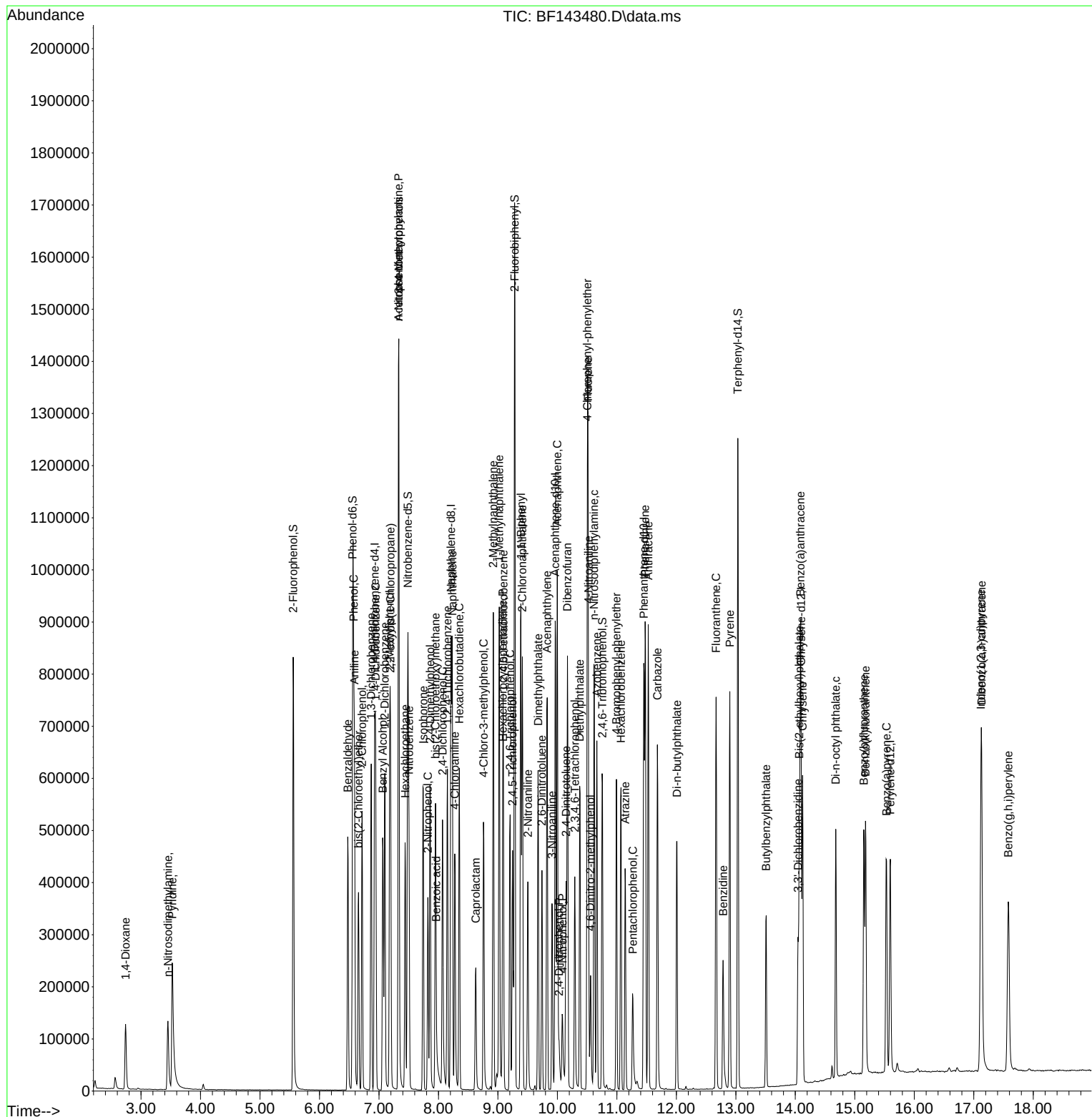
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	112939	21.488	ng	97
46) 1,1'-Biphenyl	9.386	154	415294	21.403	ng	99
47) 2-Chloronaphthalene	9.410	162	320277	21.037	ng	99
48) 2-Nitroaniline	9.504	65	92468	20.753	ng	98
49) Acenaphthylene	9.828	152	461236	21.158	ng	100
50) Dimethylphthalate	9.675	163	342268	20.788	ng	100
51) 2,6-Dinitrotoluene	9.739	165	70716	20.723	ng	98
52) Acenaphthene	9.998	154	310782	20.998	ng	100
53) 3-Nitroaniline	9.910	138	76663	20.791	ng	97
54) 2,4-Dinitrophenol	10.028	184	26974	19.096	ng	94
55) Dibenzofuran	10.169	168	450207	21.335	ng	100
56) 4-Nitrophenol	10.086	139	40278	18.359	ng	99
57) 2,4-Dinitrotoluene	10.145	165	95333	20.923	ng	98
58) Fluorene	10.516	166	347075	21.370	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	81629	20.905	ng	99
60) Diethylphthalate	10.375	149	303476	20.558	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	171724	21.142	ng	98
62) 4-Nitroaniline	10.522	138	70583	20.840	ng	99
63) Azobenzene	10.663	77	321721	21.019	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	43824	18.261	ng	93
66) n-Nitrosodiphenylamine	10.616	169	288871	21.089	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	106363	20.944	ng	97
68) Hexachlorobenzene	11.069	284	113714	20.773	ng	98
69) Atrazine	11.139	200	69831	19.750	ng	98
70) Pentachlorophenol	11.269	266	45302	18.070	ng	97
71) Phenanthrene	11.475	178	480915	21.099	ng	99
72) Anthracene	11.527	178	488675	21.164	ng	100
73) Carbazole	11.680	167	396704	20.967	ng	100
74) Di-n-butylphthalate	12.010	149	353228	20.013	ng	100
75) Fluoranthene	12.669	202	426351	20.846	ng	99
77) Benzidine	12.786	184	160347	27.286	ng	99
78) Pyrene	12.898	202	432575	21.798	ng	99
80) Butylbenzylphthalate	13.510	149	106788	19.698	ng	98
81) Benzo(a)anthracene	14.086	228	313687	20.196	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	93226	20.959	ng	98
83) Chrysene	14.121	228	292523	20.957	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	168717	20.434	ng	99
85) Di-n-octyl phthalate	14.680	149	310954	20.329	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	399711	21.773	ng	100
88) Benzo(b)fluoranthene	15.151	252	302016	21.268	ng	100
89) Benzo(k)fluoranthene	15.180	252	269685	19.835	ng	100
90) Benzo(a)pyrene	15.533	252	274418	20.819	ng	100
91) Dibenzo(a,h)anthracene	17.133	278	321851	21.891	ng	98
92) Benzo(g,h,i)perylene	17.580	276	317263	21.701	ng	99

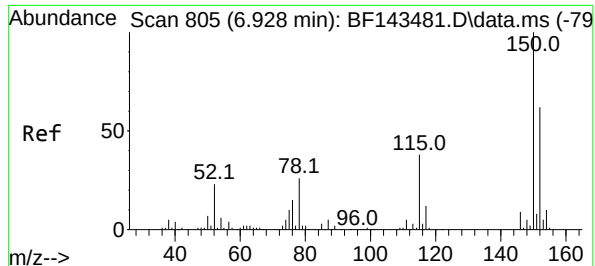
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143480.D
Acq On : 20 Aug 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 20 16:23:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

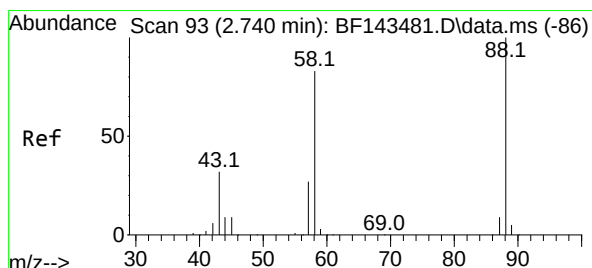
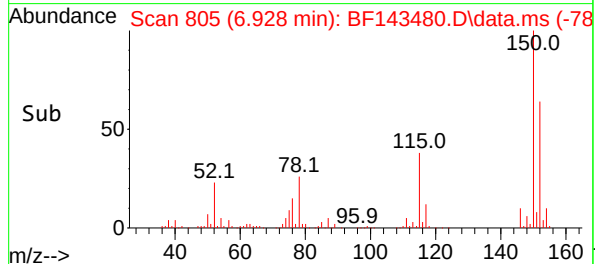
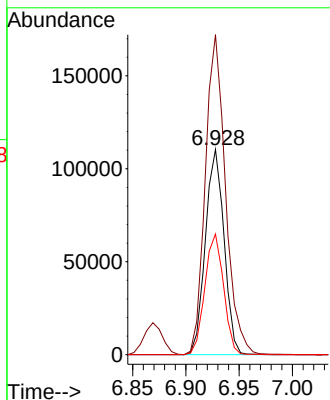
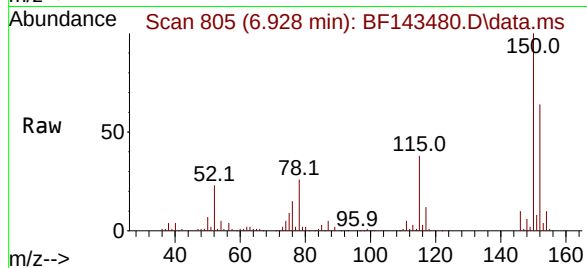




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

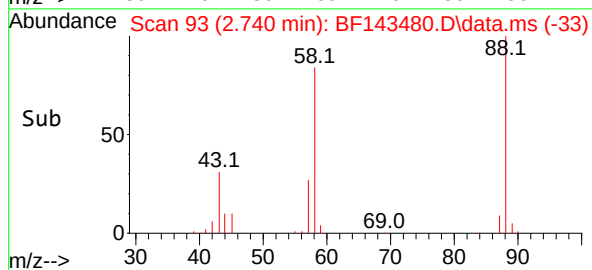
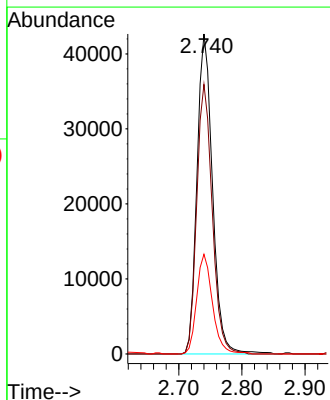
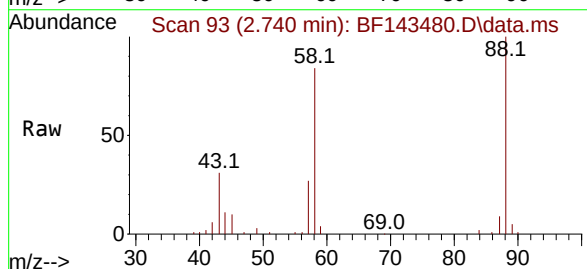
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

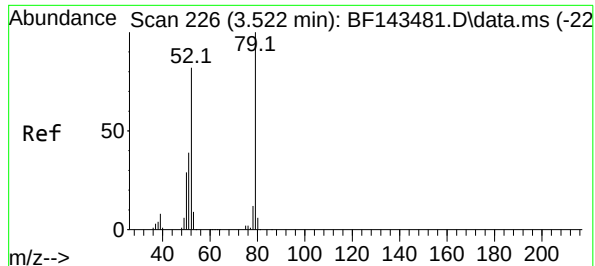
Tgt Ion:152 Resp: 135122
Ion Ratio Lower Upper
152 100
150 155.9 128.9 193.3
115 58.8 49.2 73.8



#2
1,4-Dioxane
Concen: 20.317 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 88 Resp: 72831
Ion Ratio Lower Upper
88 100
58 84.0 66.7 100.1
43 31.7 25.8 38.8





#3

Pyridine

Concen: 20.306 ng

RT: 3.528 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

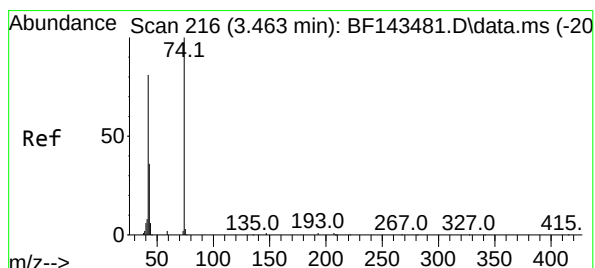
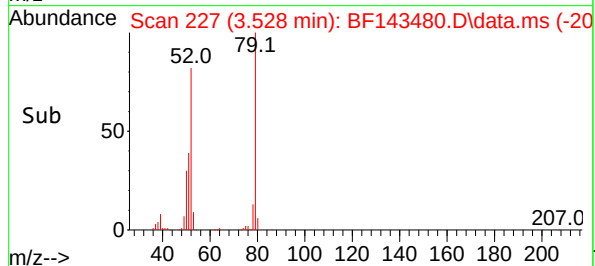
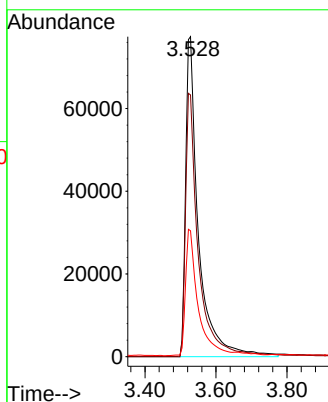
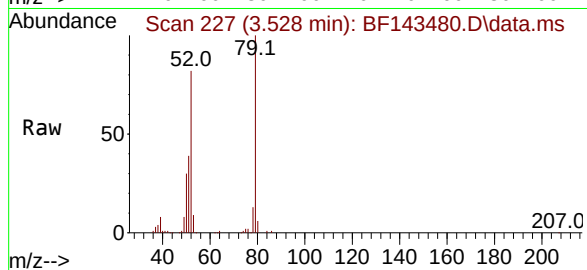
Tgt Ion: 79 Resp: 193877

Ion Ratio Lower Upper

79 100

52 81.8 65.6 98.4

51 39.3 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 19.492 ng

RT: 3.452 min Scan# 214

Delta R.T. -0.024 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

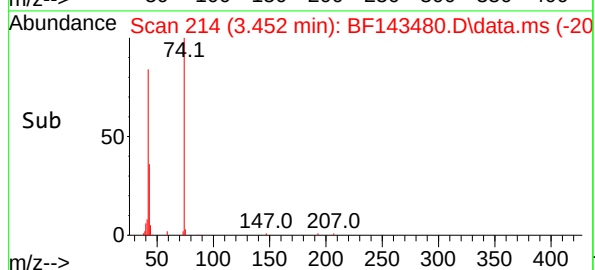
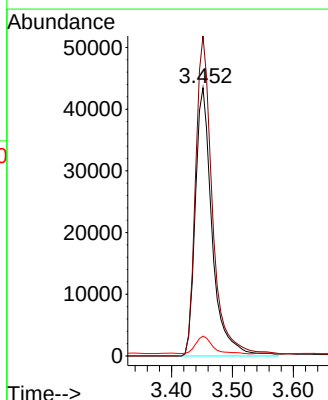
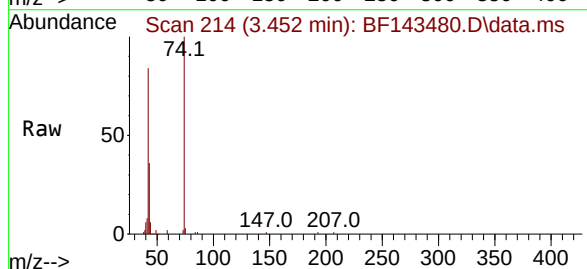
Tgt Ion: 42 Resp: 83662

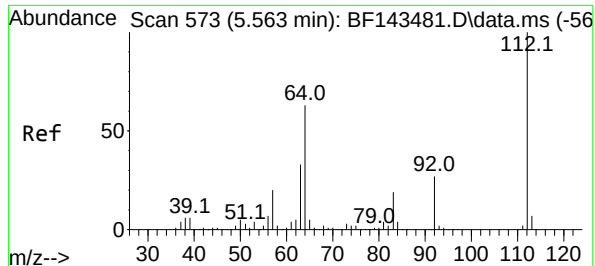
Ion Ratio Lower Upper

42 100

74 119.3 98.6 148.0

44 7.4 5.8 8.8

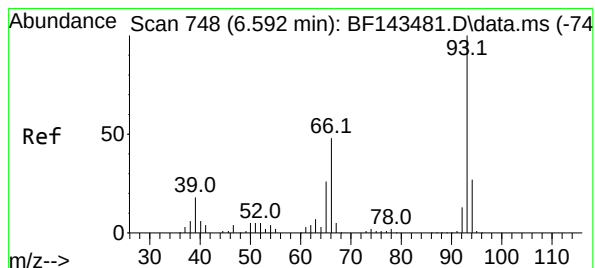
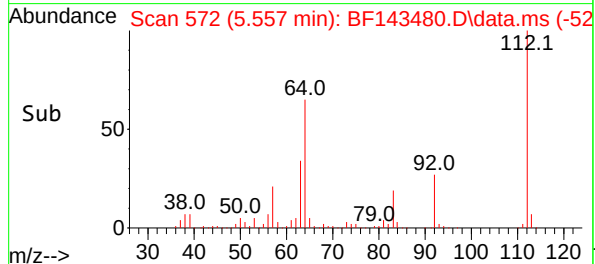
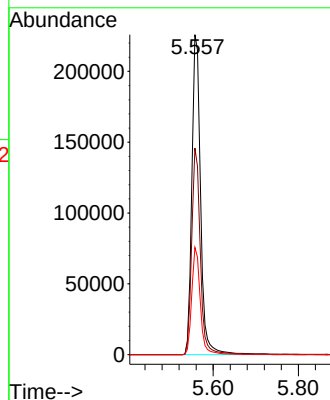
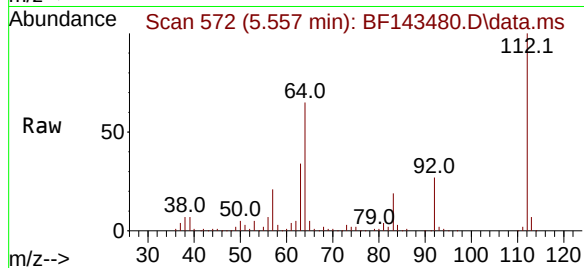




#5
2-Fluorophenol
Concen: 41.682 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

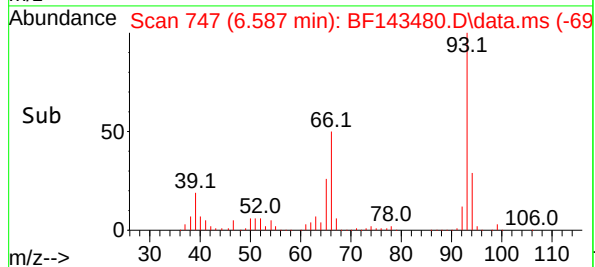
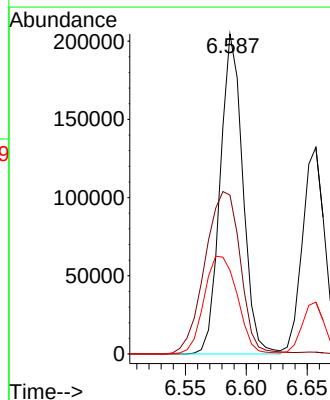
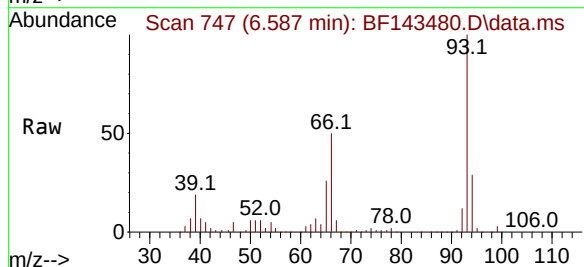
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

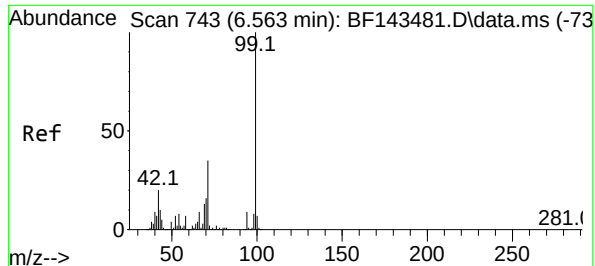
Tgt Ion:112 Resp: 322546
Ion Ratio Lower Upper
112 100
64 64.5 50.4 75.6
63 33.5 26.4 39.6



#6
Aniline
Concen: 20.731 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 93 Resp: 264694
Ion Ratio Lower Upper
93 100
66 49.7 38.9 58.3
65 26.2 20.6 30.8

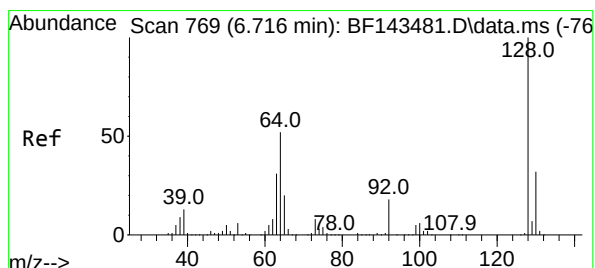
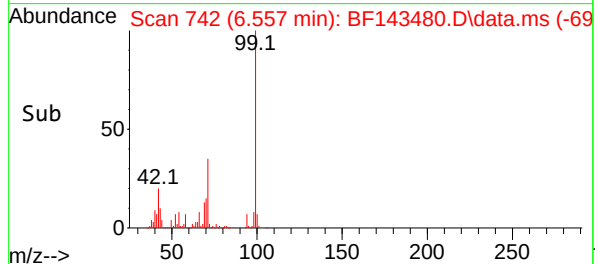
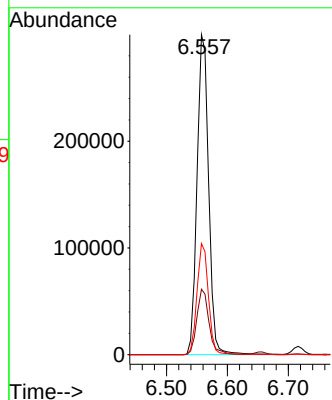
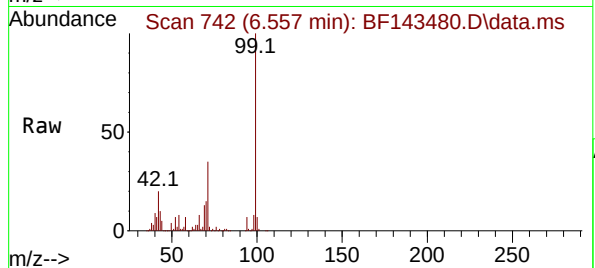




#7
Phenol-d6
Concen: 41.604 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

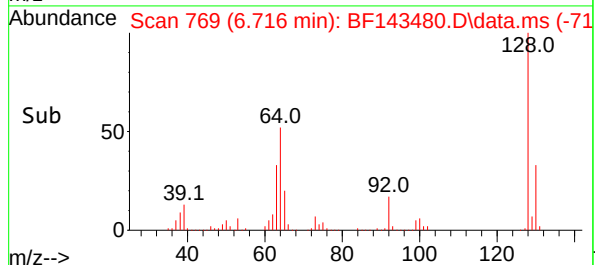
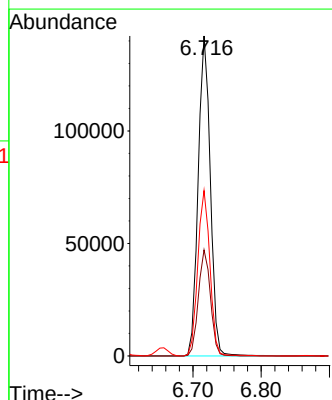
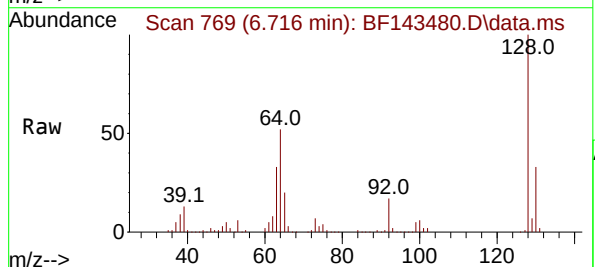
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

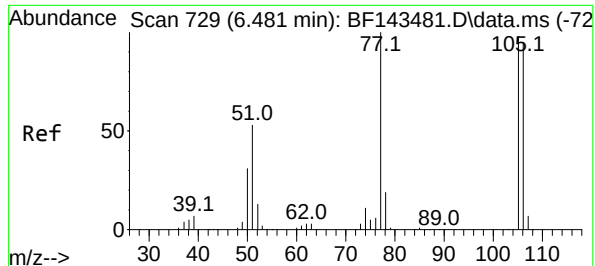
Tgt Ion: 99 Resp: 397415
Ion Ratio Lower Upper
99 100
42 20.4 16.3 24.5
71 34.7 28.2 42.2



#8
2-Chlorophenol
Concen: 20.579 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 128 Resp: 175887
Ion Ratio Lower Upper
128 100
130 33.2 12.4 52.4
64 51.7 31.6 71.6





#9

Benzaldehyde

Concen: 17.142 ng

RT: 6.475 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

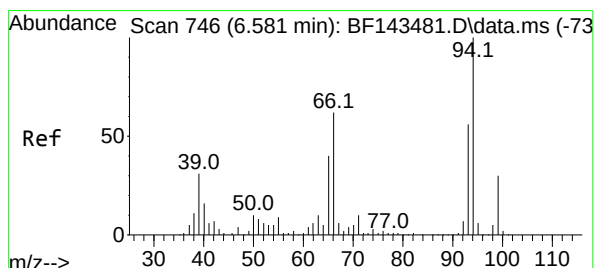
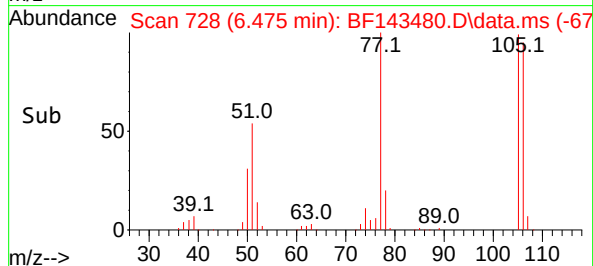
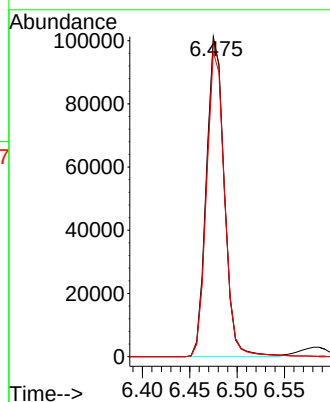
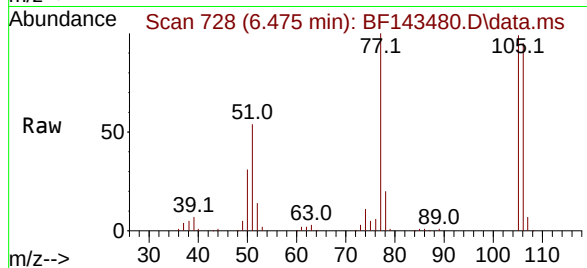
Tgt Ion: 77 Resp: 132575

Ion Ratio Lower Upper

77 100

105 98.8 78.1 118.1

106 95.2 74.9 114.9



#10

Phenol

Concen: 21.182 ng

RT: 6.575 min Scan# 745

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

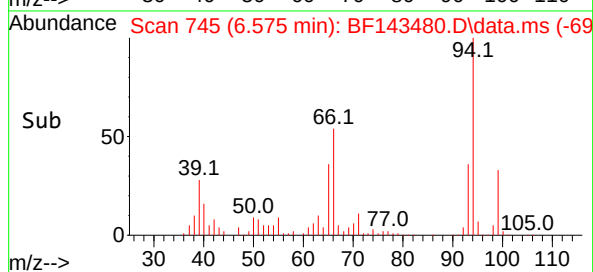
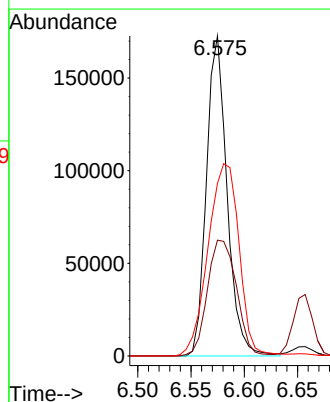
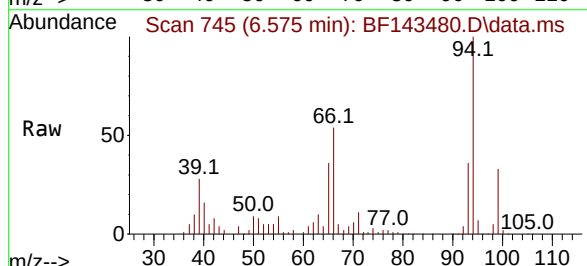
Tgt Ion: 94 Resp: 233093

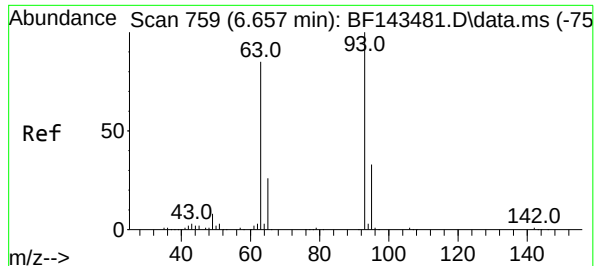
Ion Ratio Lower Upper

94 100

65 36.2 19.5 59.5

66 53.9 42.5 82.5

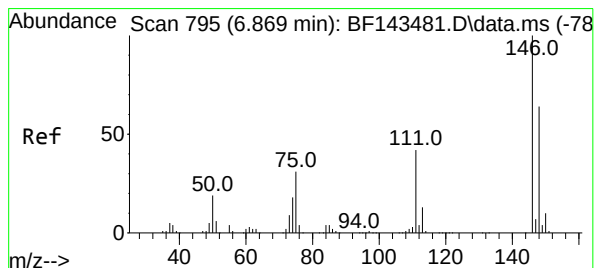
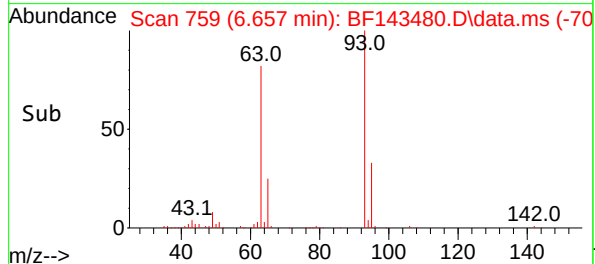
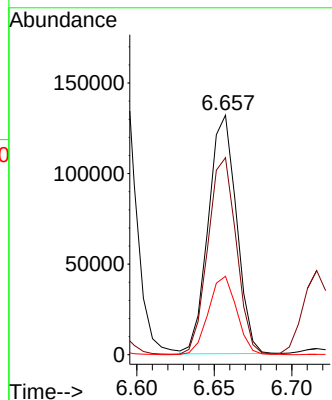
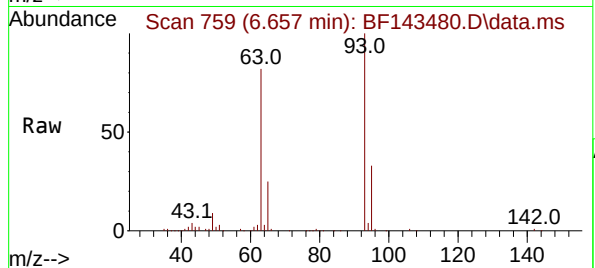




#11
bis(2-Chloroethyl)ether
Concen: 20.296 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

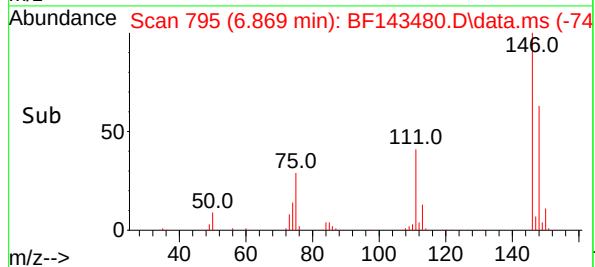
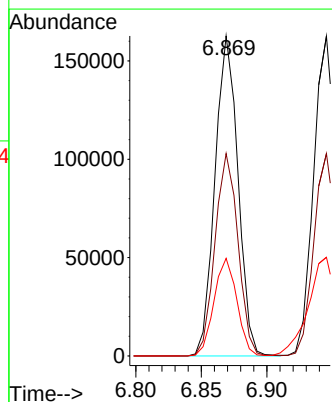
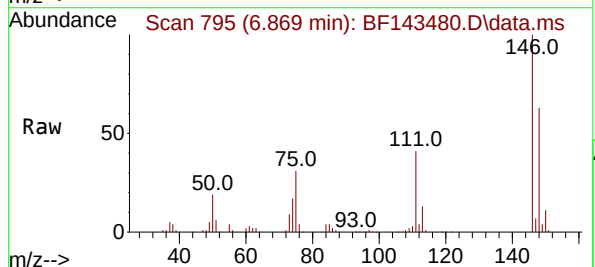
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

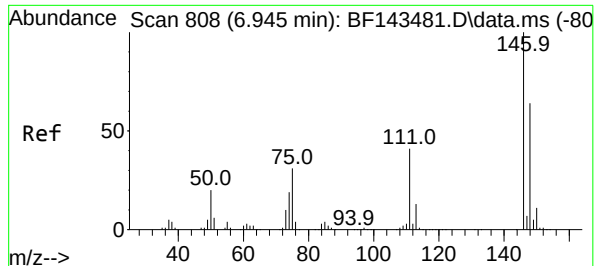
Tgt Ion: 93 Resp: 166906
Ion Ratio Lower Upper
93 100
63 82.3 63.6 103.6
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 20.633 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 146 Resp: 198141
Ion Ratio Lower Upper
146 100
148 63.2 51.3 76.9
75 30.5 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 20.806 ng

RT: 6.945 min Scan# 808

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

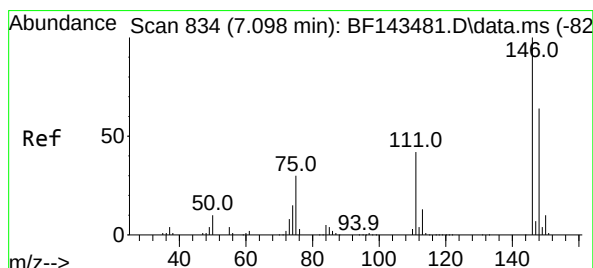
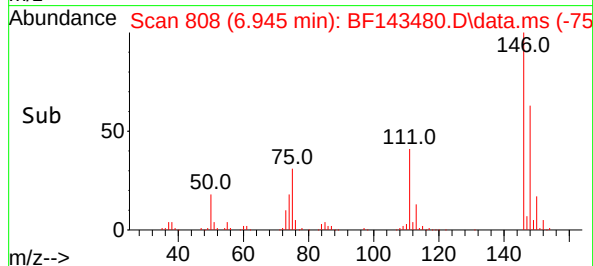
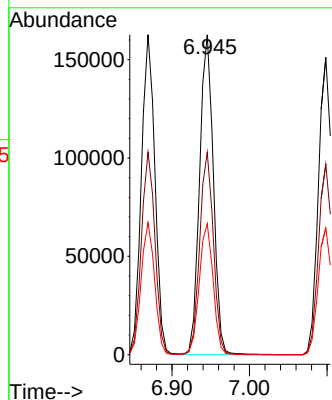
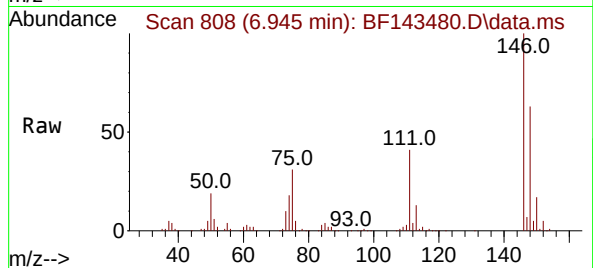
Tgt Ion:146 Resp: 200428

Ion Ratio Lower Upper

146 100

148 63.3 51.5 77.3

111 40.9 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 20.536 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

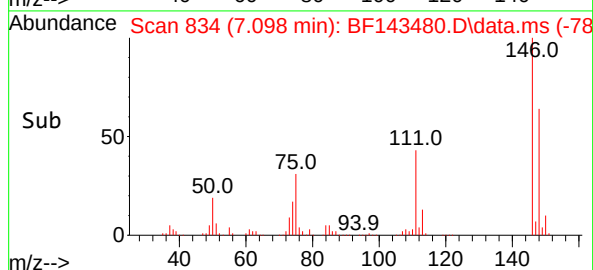
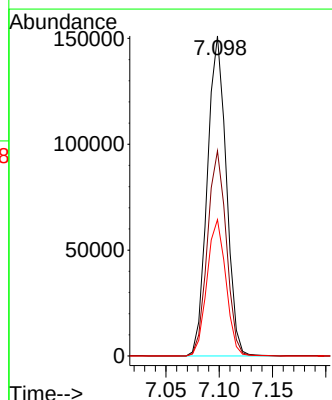
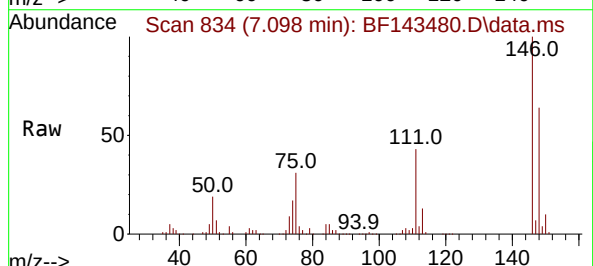
Tgt Ion:146 Resp: 187297

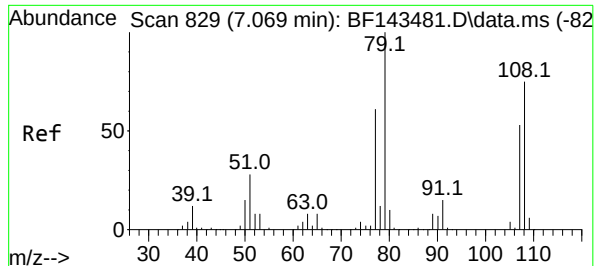
Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.6

111 42.6 34.0 51.0





#15

Benzyl Alcohol

Concen: 20.082 ng

RT: 7.063 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

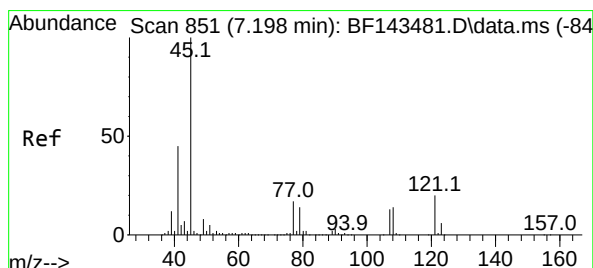
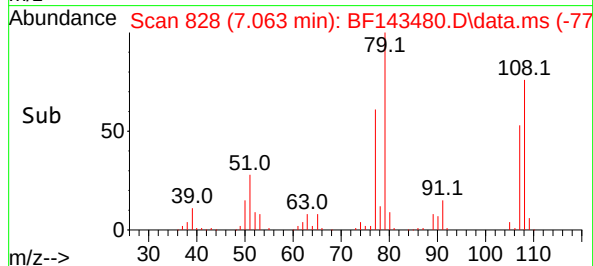
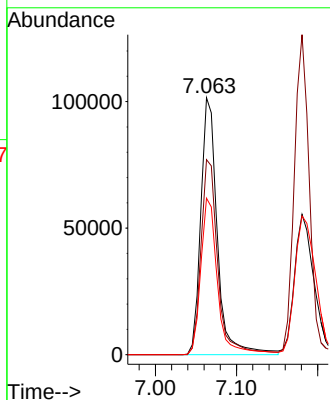
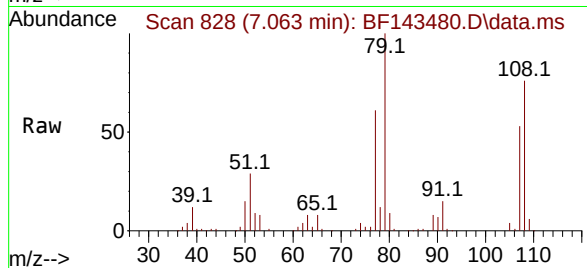
Tgt Ion: 79 Resp: 143623

Ion Ratio Lower Upper

79 100

108 75.9 59.8 89.6

77 60.9 49.0 73.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 21.087 ng

RT: 7.192 min Scan# 850

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

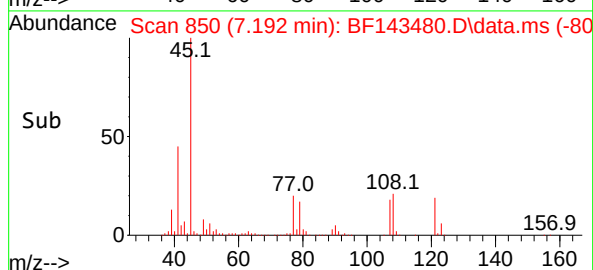
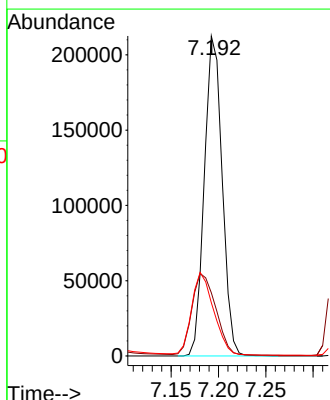
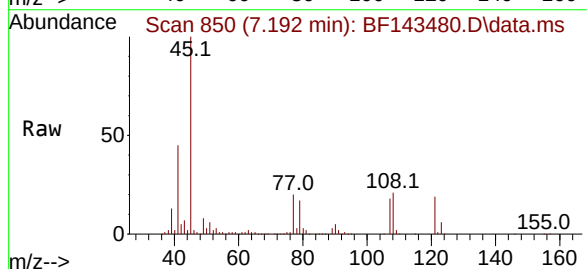
Tgt Ion: 45 Resp: 277424

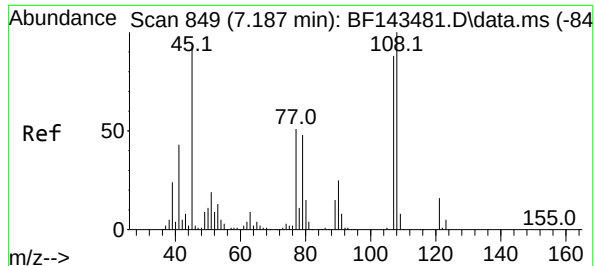
Ion Ratio Lower Upper

45 100

77 19.7 0.0 37.9

79 16.7 0.0 34.7

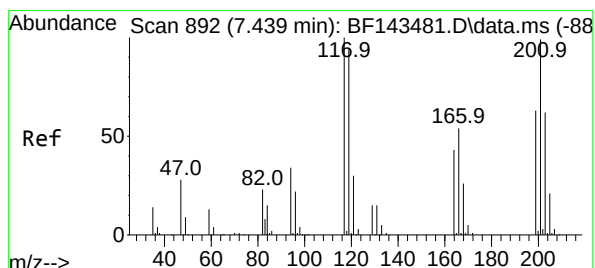
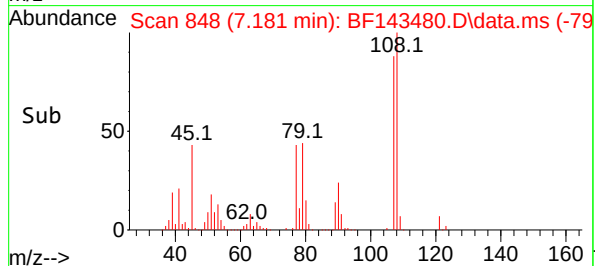
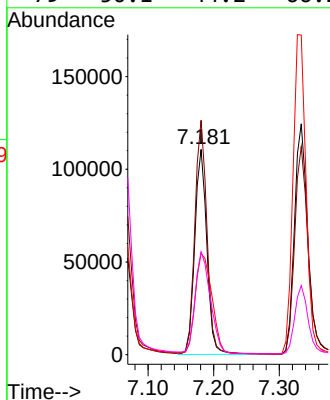
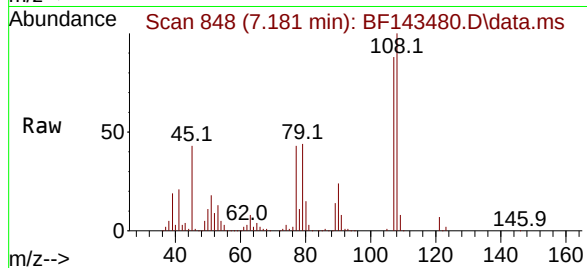




#17
2-Methylphenol
Concen: 20.794 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

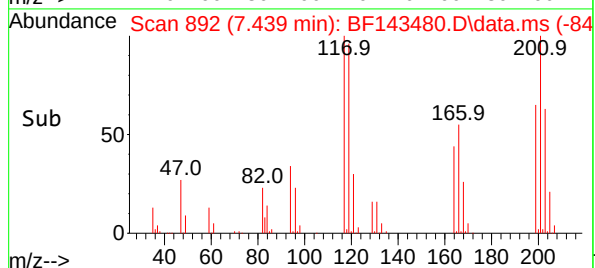
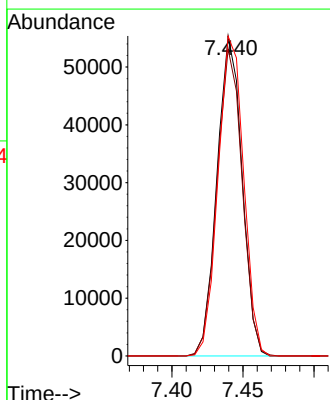
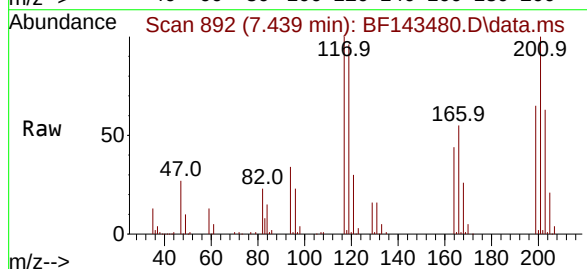
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

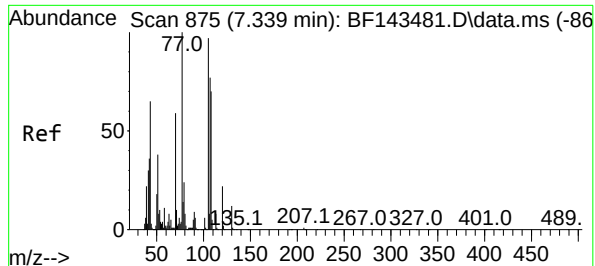
Tgt Ion:107 Resp: 142643
Ion Ratio Lower Upper
107 100
108 114.2 91.1 136.7
77 49.5 46.2 69.4
79 50.1 44.2 66.2



#18
Hexachloroethane
Concen: 20.727 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:117 Resp: 67887
Ion Ratio Lower Upper
117 100
119 96.0 75.4 113.0
201 99.9 79.0 118.4





#19

n-Nitroso-di-n-propylamine

Concen: 20.353 ng

RT: 7.328 min Scan# 81

Delta R.T. -0.024 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 118831

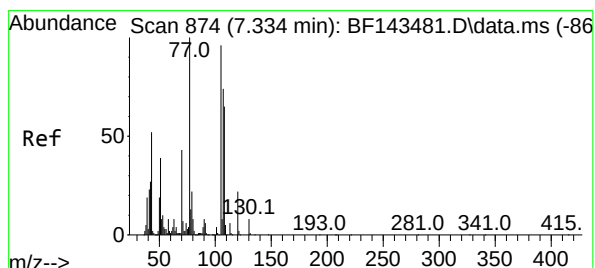
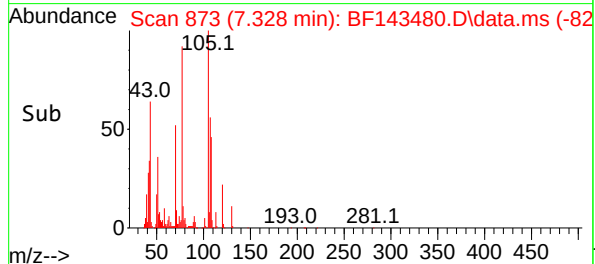
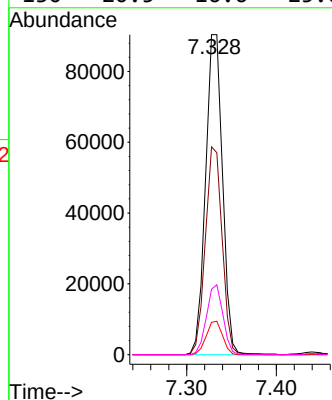
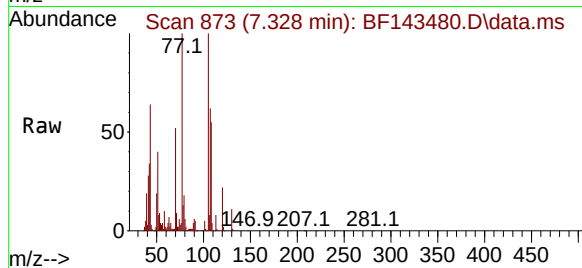
Ion Ratio Lower Upper

70 100

42 65.0 49.3 73.9

101 10.1 7.8 11.8

130 20.5 16.6 25.0



#20

3+4-Methylphenols

Concen: 21.785 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Tgt Ion: 107 Resp: 178398

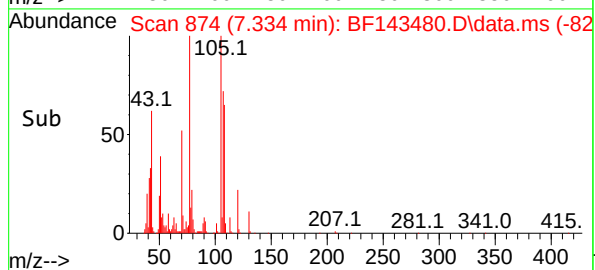
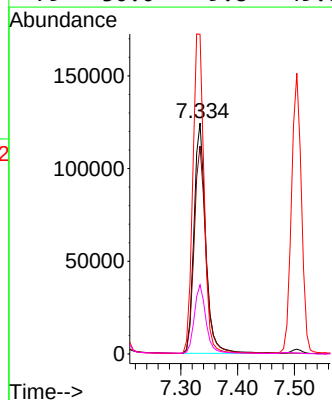
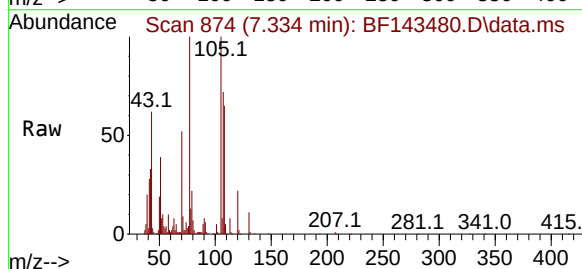
Ion Ratio Lower Upper

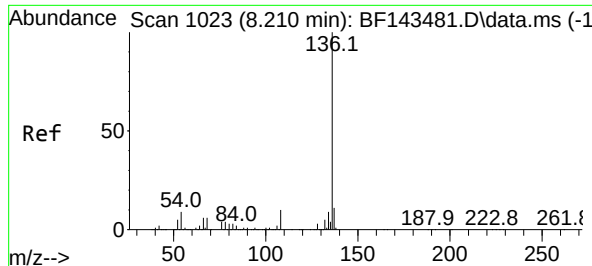
107 100

108 90.1 68.4 108.4

77 138.5 116.1 156.1

79 30.0 9.8 49.8

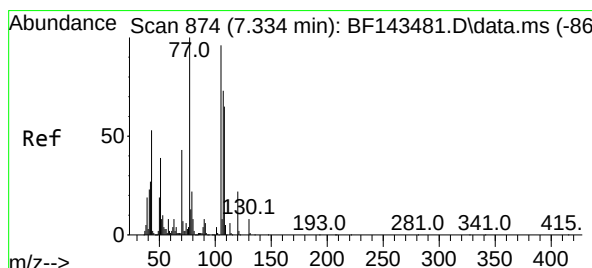
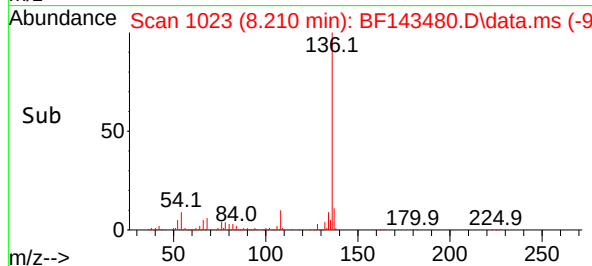
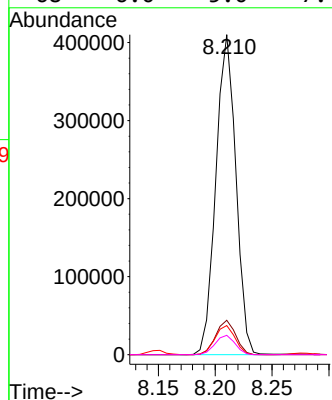
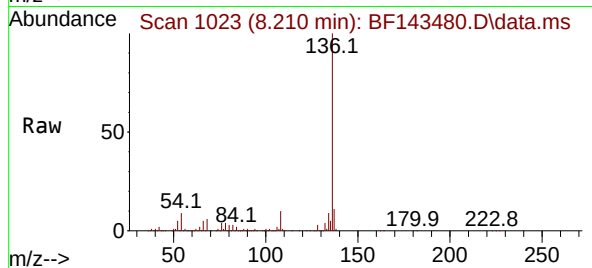




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

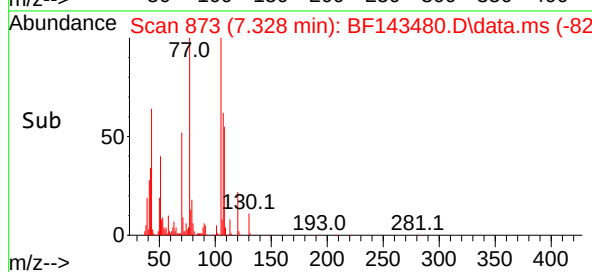
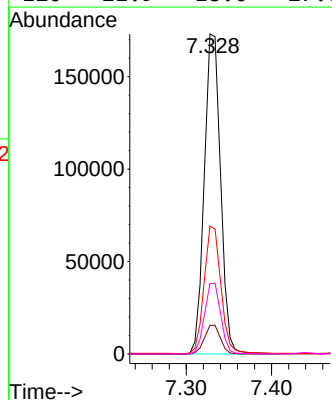
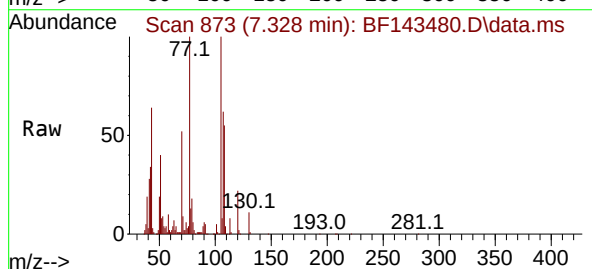
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

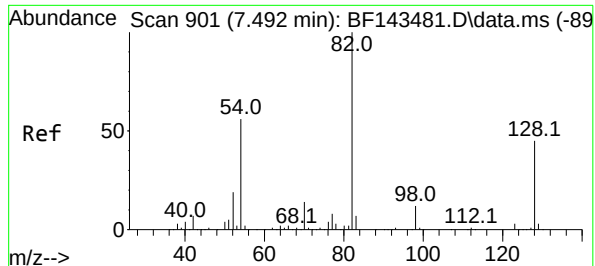
Tgt Ion:	136	Resp:	502602
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.4
54	9.1	7.4	11.2
68	6.0	5.0	7.4



#22
Acetophenone
Concen: 21.238 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:	105	Resp:	230609
Ion Ratio	Lower	Upper	
105	100		
71	9.0	5.9	8.9#
51	39.9	32.5	48.7
120	21.9	18.0	27.0





#23

Nitrobenzene-d5

Concen: 41.608 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

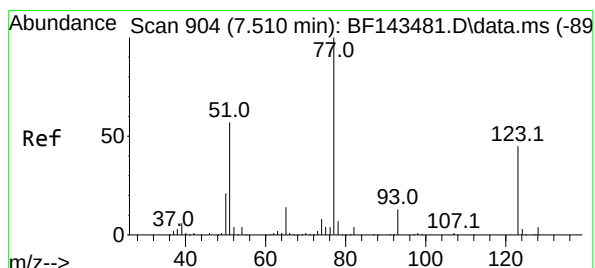
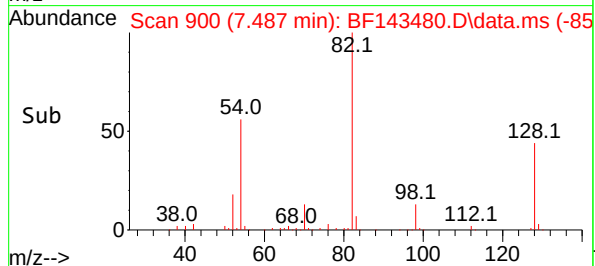
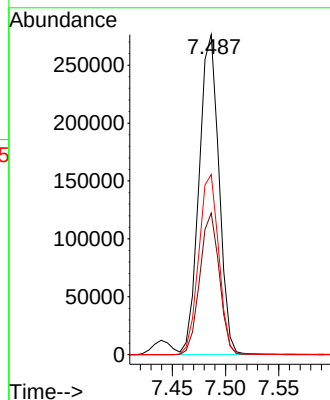
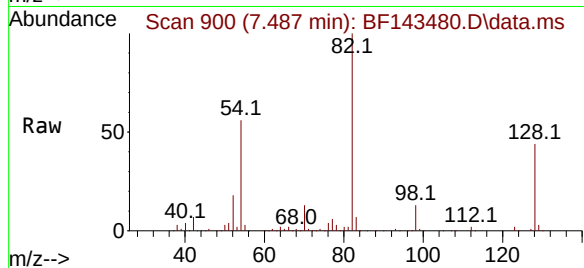
Tgt Ion: 82 Resp: 358365

Ion Ratio Lower Upper

82 100

128 44.3 35.5 53.3

54 56.3 44.3 66.5



#24

Nitrobenzene

Concen: 20.736 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

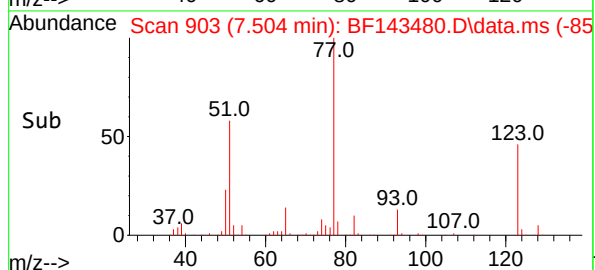
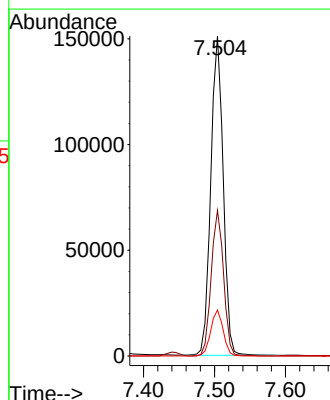
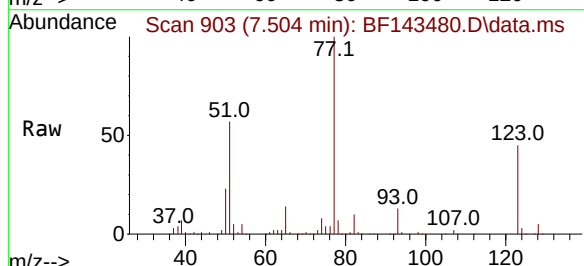
Tgt Ion: 77 Resp: 183817

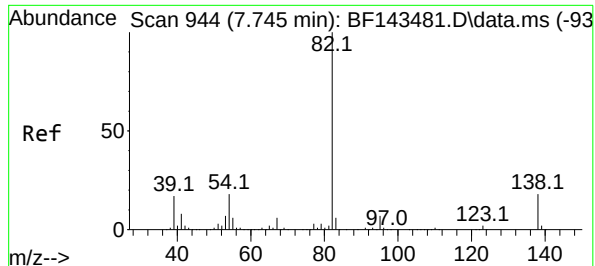
Ion Ratio Lower Upper

77 100

123 45.5 36.1 54.1

65 14.3 11.0 16.6





#25

Isophorone

Concen: 20.513 ng

RT: 7.745 min Scan# 94

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

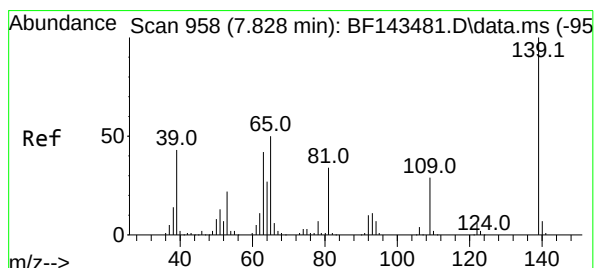
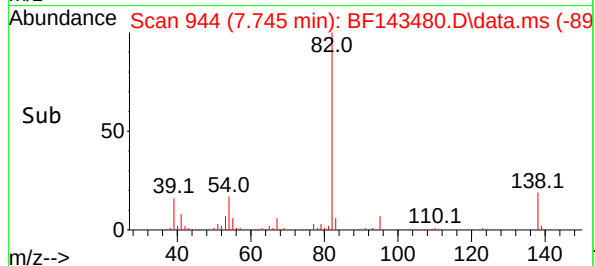
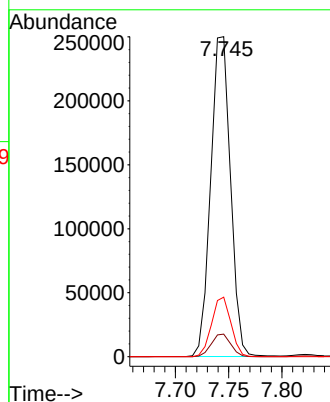
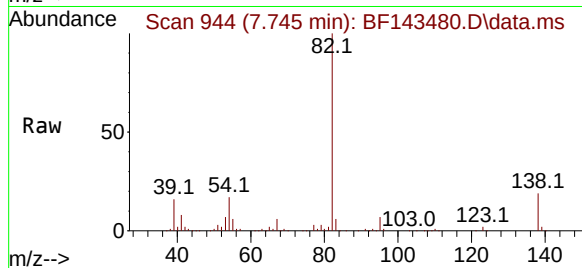
Tgt Ion: 82 Resp: 323869

Ion Ratio Lower Upper

82 100

95 7.0 5.8 8.8

138 18.6 14.2 21.4



#26

2-Nitrophenol

Concen: 20.444 ng

RT: 7.822 min Scan# 957

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

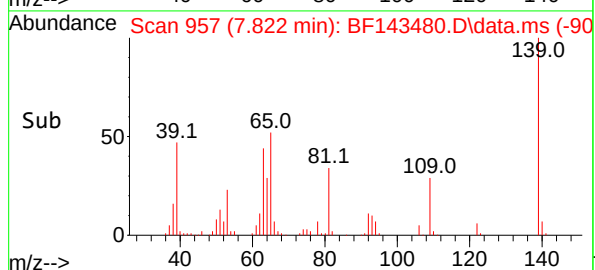
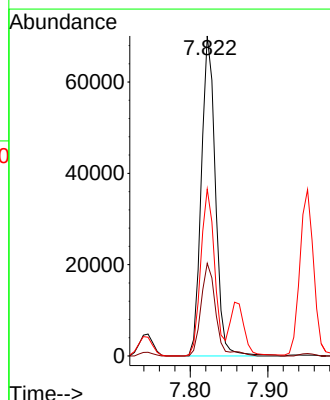
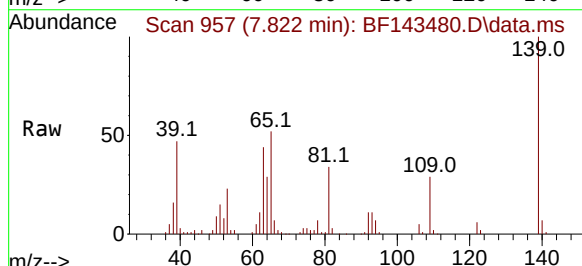
Tgt Ion:139 Resp: 88771

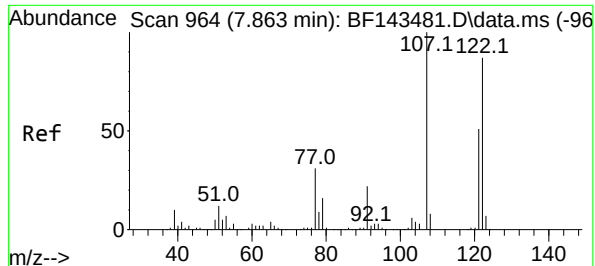
Ion Ratio Lower Upper

139 100

109 28.9 23.0 34.6

65 52.2 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 20.897 ng

RT: 7.863 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

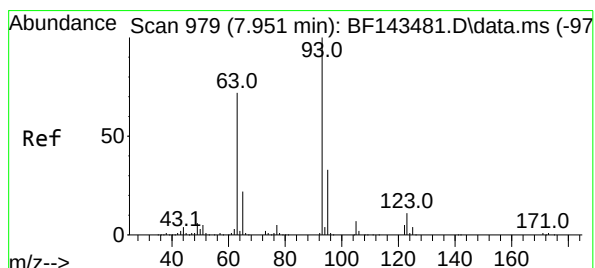
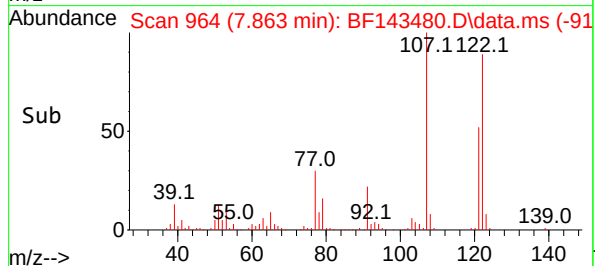
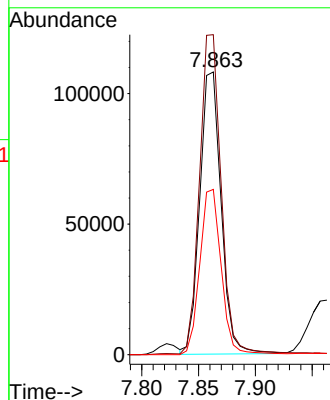
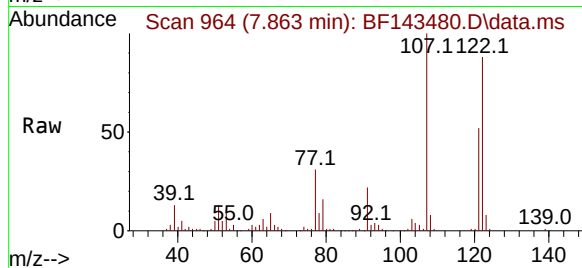
Tgt Ion:122 Resp: 141452

Ion Ratio Lower Upper

122 100

107 113.2 91.5 137.3

121 58.5 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 20.776 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

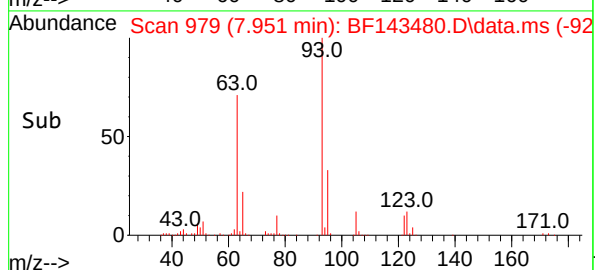
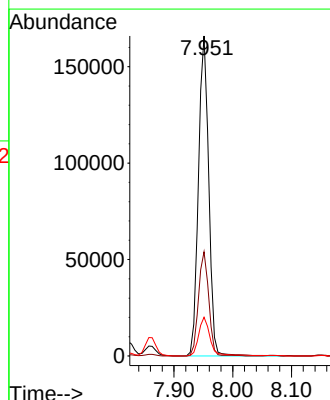
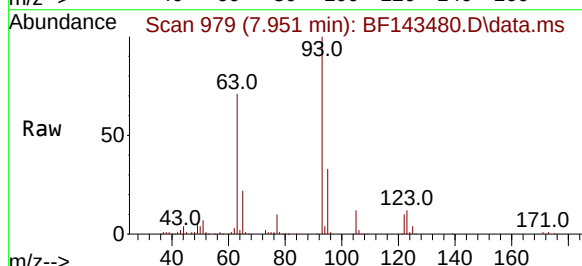
Tgt Ion: 93 Resp: 201584

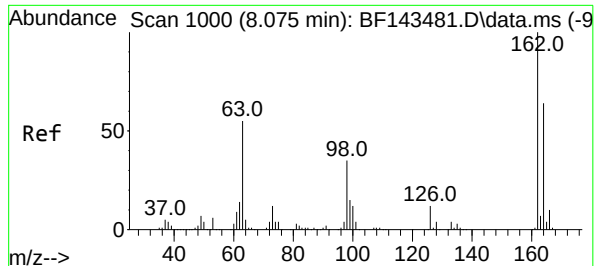
Ion Ratio Lower Upper

93 100

95 32.6 26.0 39.0

123 12.1 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 21.055 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

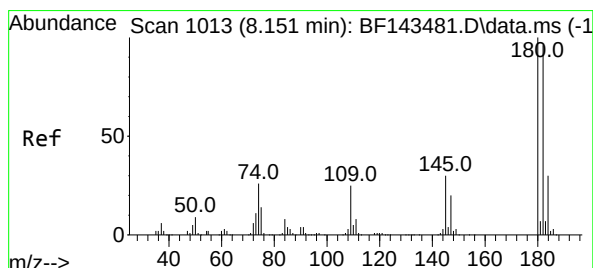
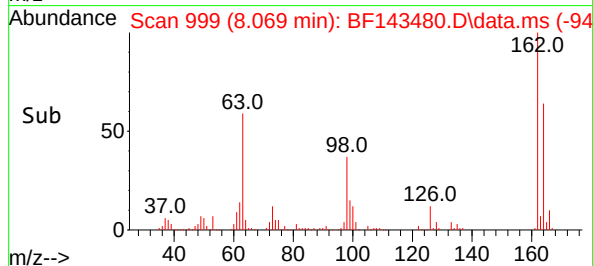
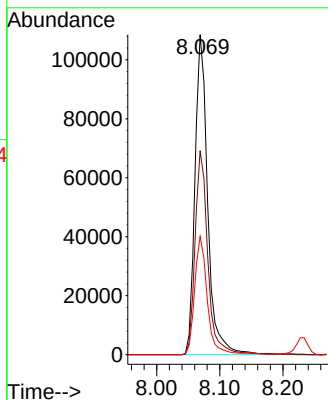
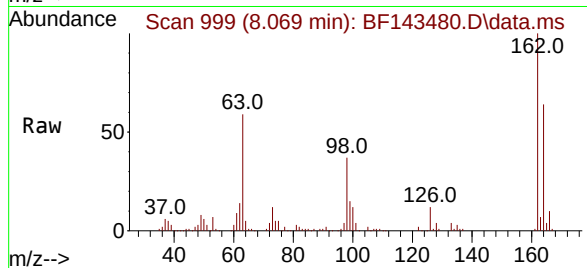
Tgt Ion:162 Resp: 152215

Ion Ratio Lower Upper

162 100

164 63.7 43.5 83.5

98 37.0 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 21.200 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

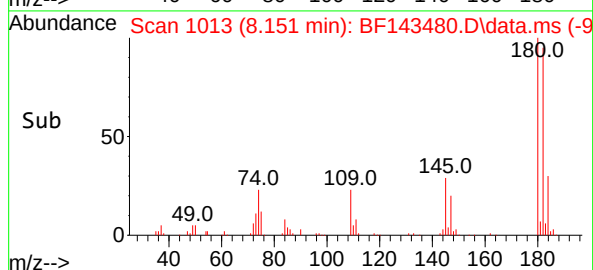
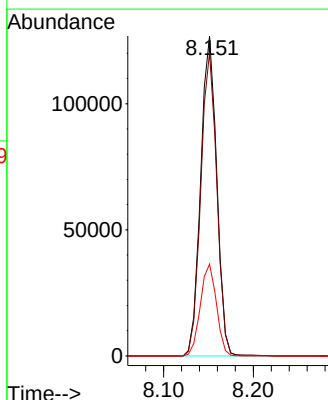
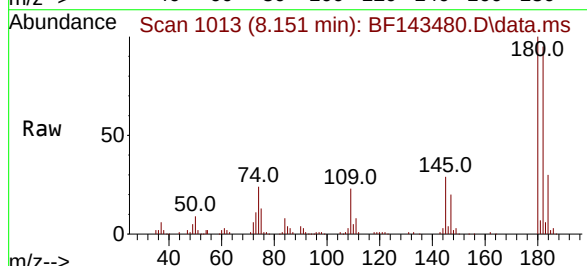
Tgt Ion:180 Resp: 157575

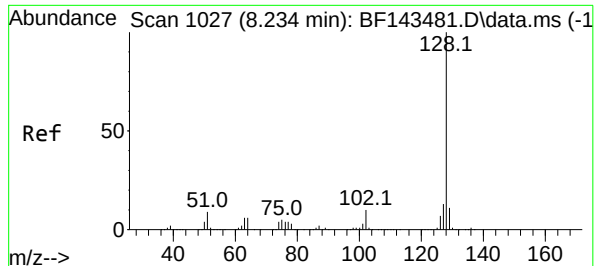
Ion Ratio Lower Upper

180 100

182 94.8 76.6 114.8

145 28.7 24.3 36.5

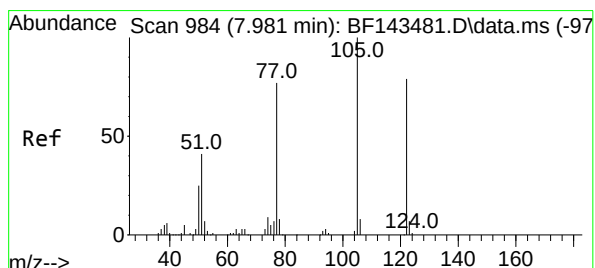
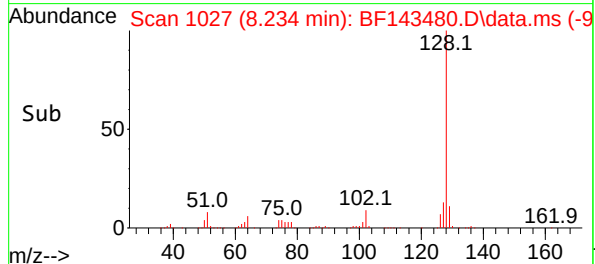
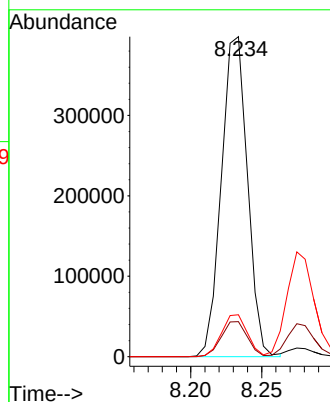
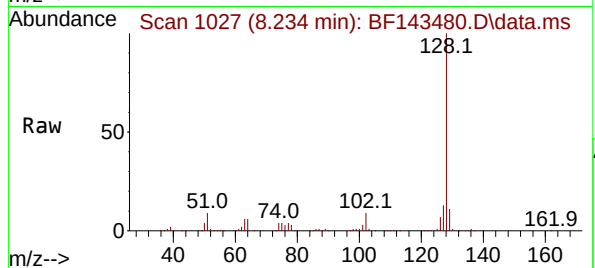




#31
Naphthalene
Concen: 21.111 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

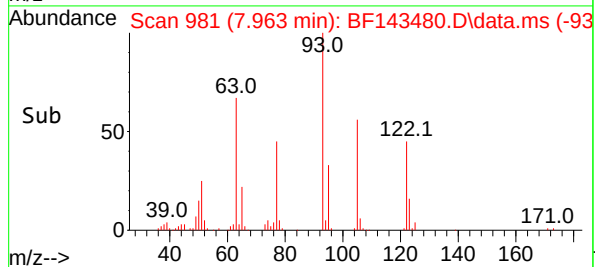
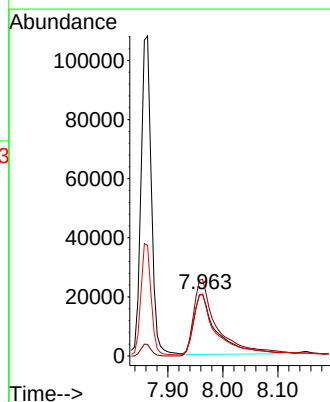
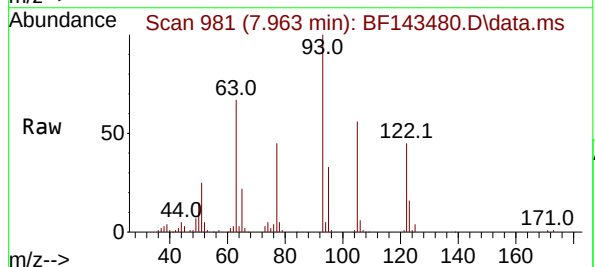
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

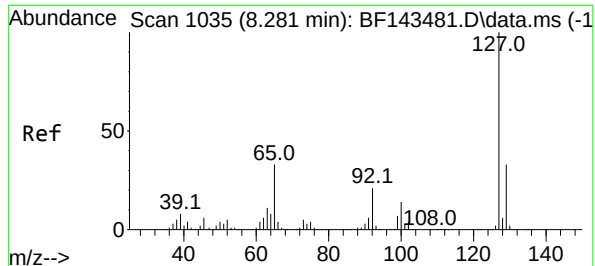
Tgt Ion:128 Resp: 509408
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 19.199 ng
RT: 7.963 min Scan# 981
Delta R.T. -0.047 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:122 Resp: 58396
Ion Ratio Lower Upper
122 100
105 124.1 104.7 144.7
77 100.1 77.3 117.3





#33

4-Chloroaniline

Concen: 21.243 ng

RT: 8.275 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 181928

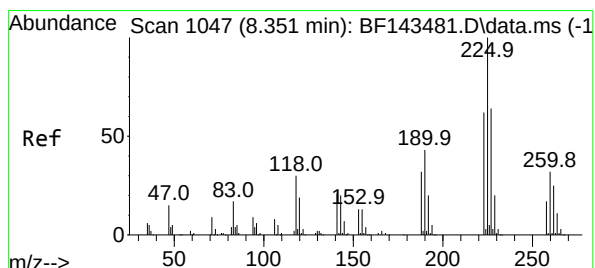
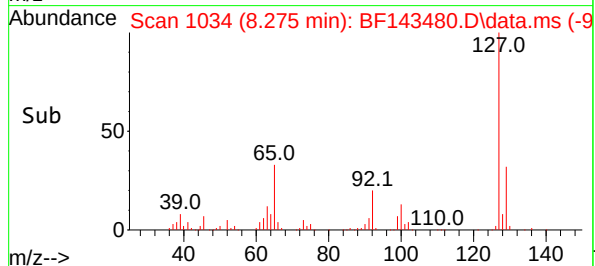
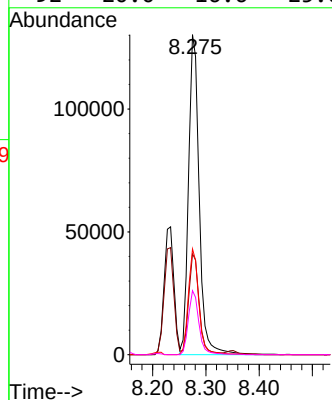
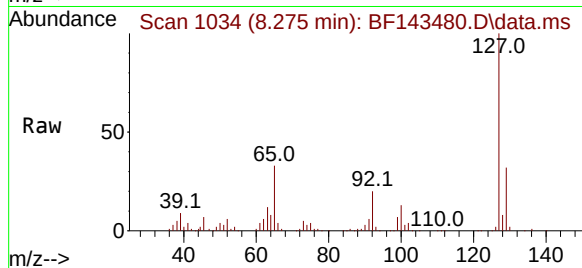
Ion Ratio Lower Upper

127 100

129 31.5 26.1 39.1

65 33.1 26.2 39.2

92 20.0 16.6 25.0



#34

Hexachlorobutadiene

Concen: 20.802 ng

RT: 8.351 min Scan# 1047

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

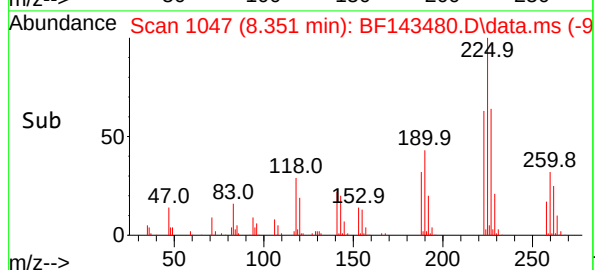
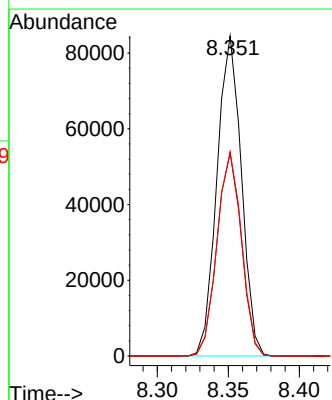
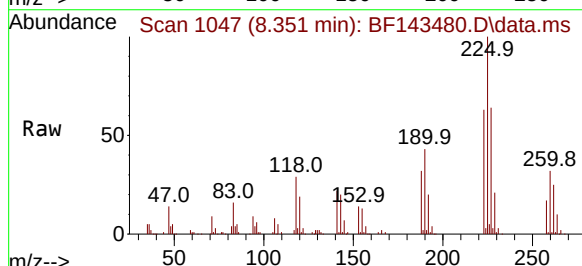
Tgt Ion:225 Resp: 100875

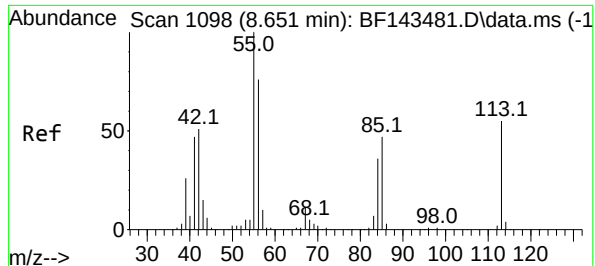
Ion Ratio Lower Upper

225 100

223 63.3 49.9 74.9

227 63.9 50.9 76.3





#35

Caprolactam

Concen: 19.594 ng

RT: 8.628 min Scan# 1109

Delta R.T. -0.047 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

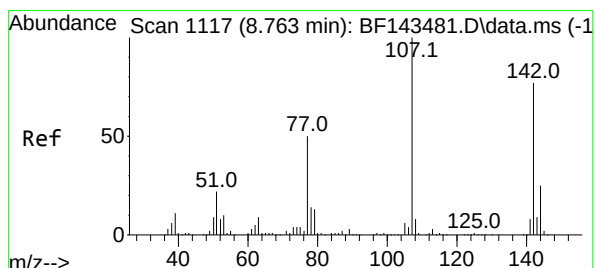
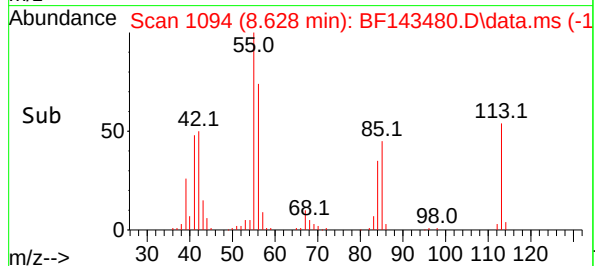
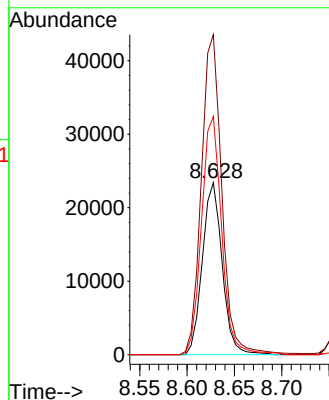
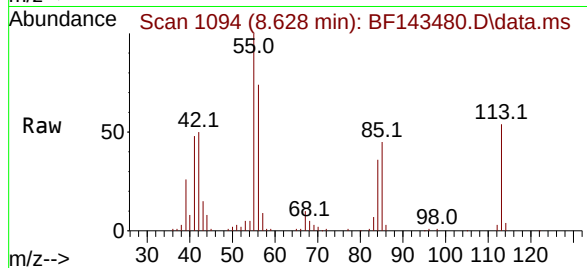
Tgt Ion:113 Resp: 33991

Ion Ratio Lower Upper

113 100

55 186.1 162.8 202.8

56 138.4 118.1 158.1



#36

4-Chloro-3-methylphenol

Concen: 21.008 ng

RT: 8.757 min Scan# 1116

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

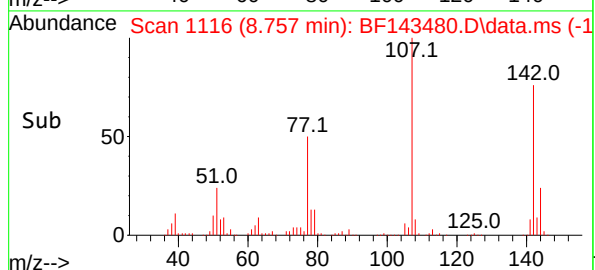
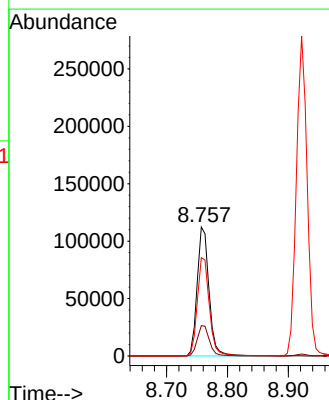
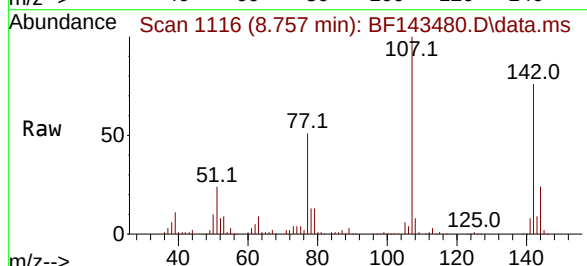
Tgt Ion:107 Resp: 152197

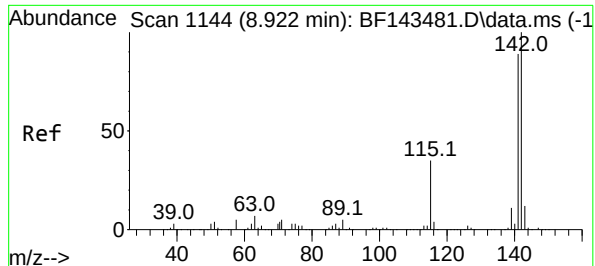
Ion Ratio Lower Upper

107 100

144 23.5 19.9 29.9

142 76.2 61.8 92.8





#37

2-Methylnaphthalene

Concen: 21.339 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

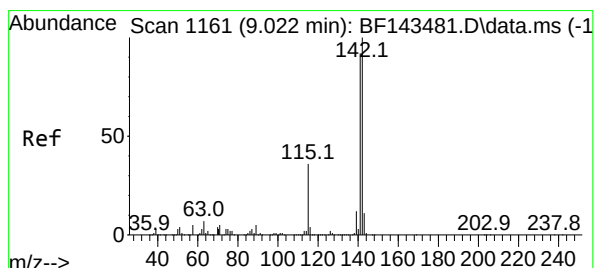
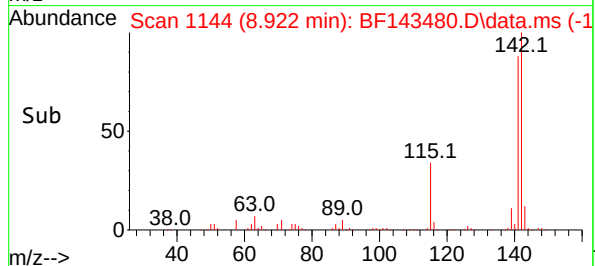
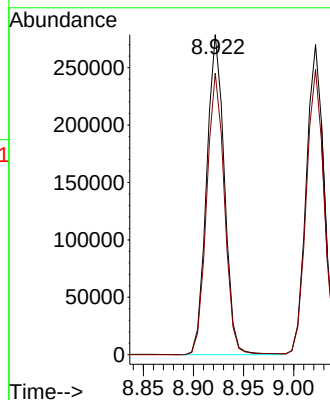
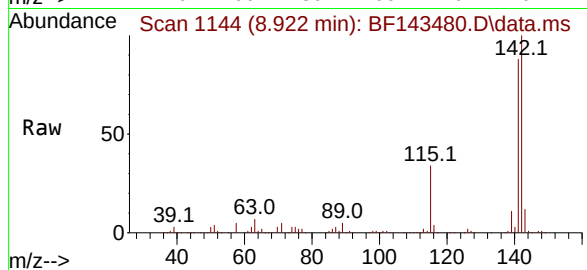
SSTDICC020

Tgt Ion:142 Resp: 343900

Ion Ratio Lower Upper

142 100

141 88.0 71.0 106.4



#38

1-Methylnaphthalene

Concen: 21.191 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF143480.D

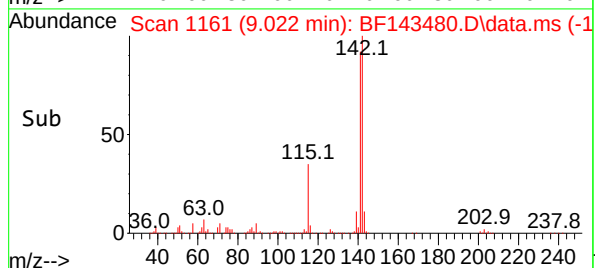
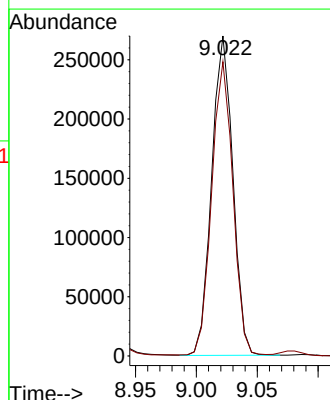
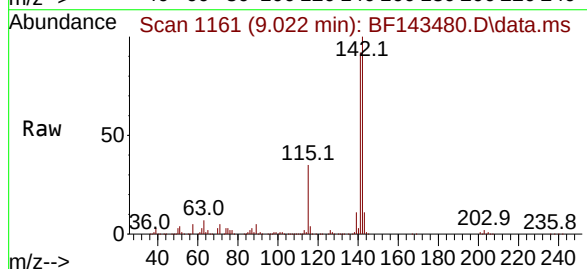
Acq: 20 Aug 2025 12:23

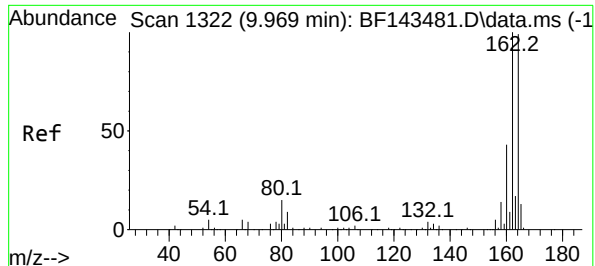
Tgt Ion:142 Resp: 326683

Ion Ratio Lower Upper

142 100

141 92.0 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

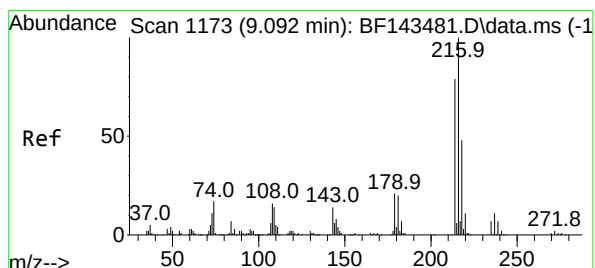
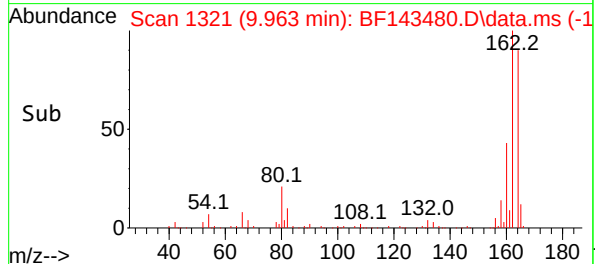
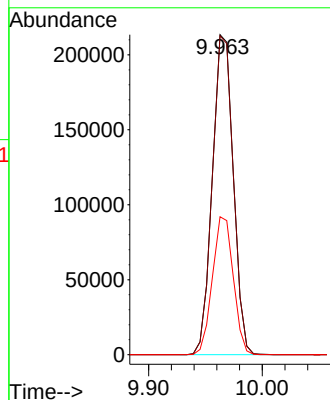
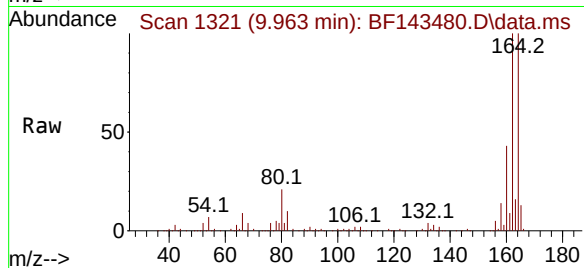
Tgt Ion:164 Resp: 273375

Ion Ratio Lower Upper

164 100

162 99.7 80.5 120.7

160 43.1 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.445 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Tgt Ion:216 Resp: 167691

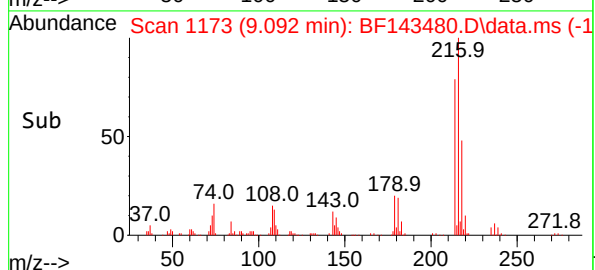
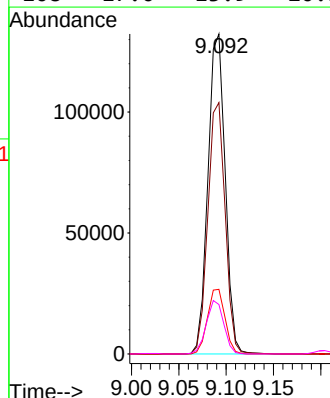
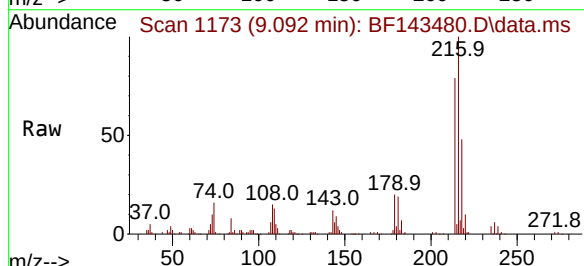
Ion Ratio Lower Upper

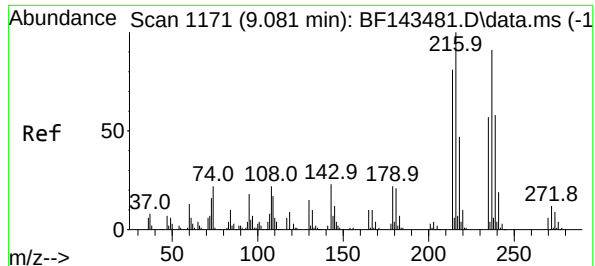
216 100

214 78.9 63.4 95.0

179 20.5 16.5 24.7

108 17.0 13.9 20.9

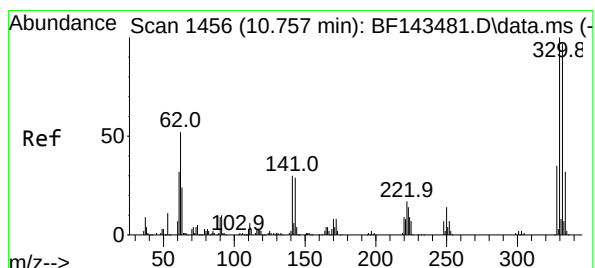
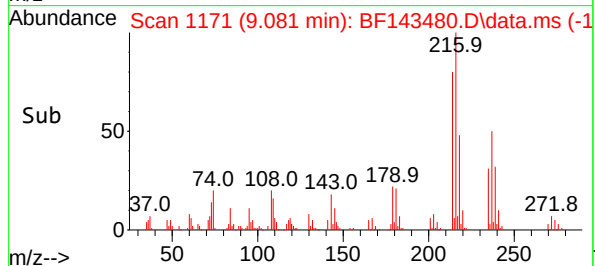
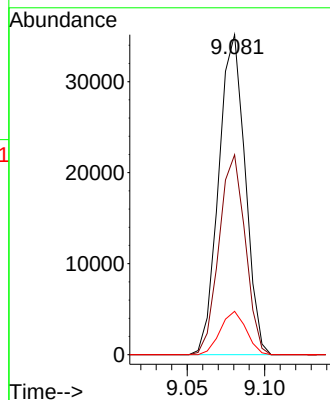
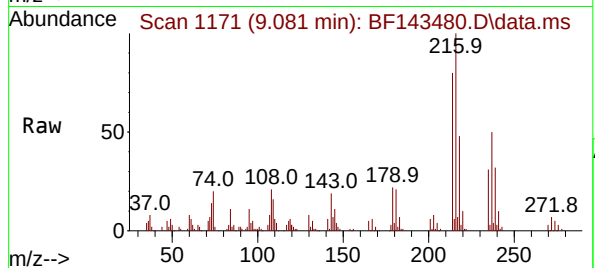




#41
Hexachlorocyclopentadiene
Concen: 19.072 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

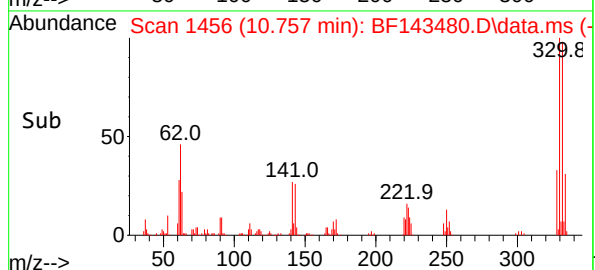
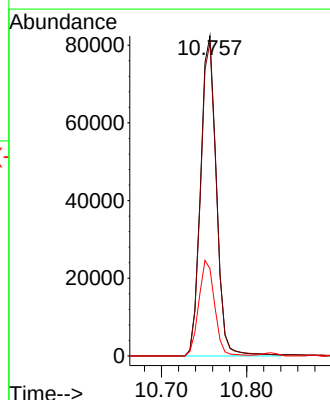
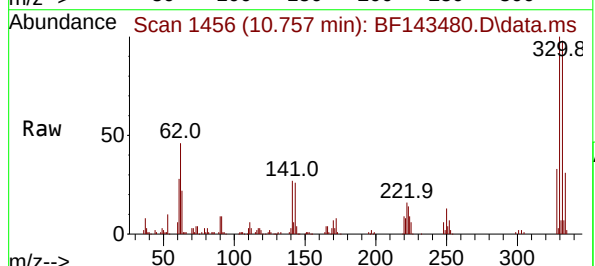
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

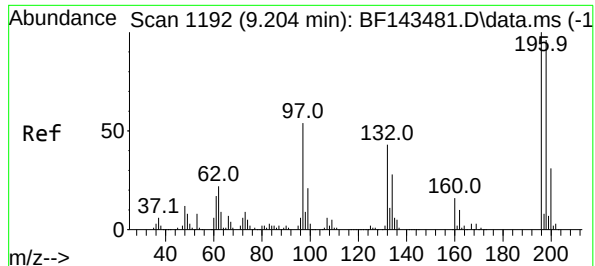
Tgt Ion:237	Resp:	41723
Ion	Ratio	Lower Upper
237	100	
235	62.5	42.6 82.6
272	13.5	0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 41.663 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:330	Resp:	106021
Ion	Ratio	Lower Upper
330	100	
332	98.1	78.0 117.0
141	29.9	23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 20.683 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

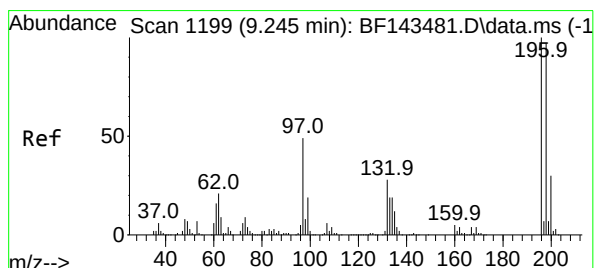
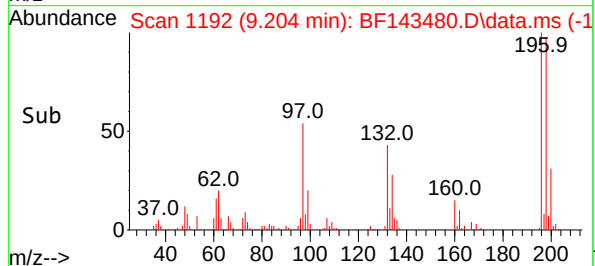
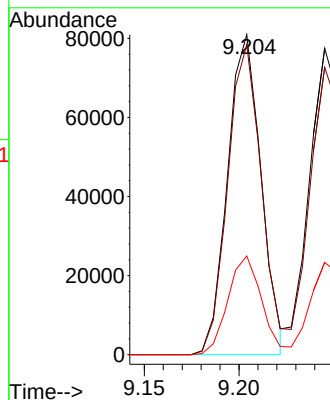
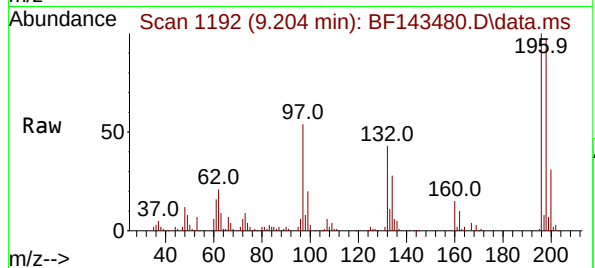
Tgt Ion:196 Resp: 99517

Ion Ratio Lower Upper

196 100

198 96.9 77.0 115.4

200 30.9 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 21.488 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Tgt Ion:196 Resp: 112939

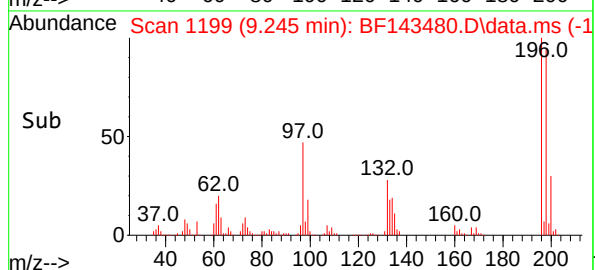
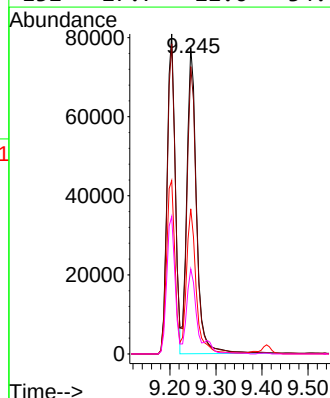
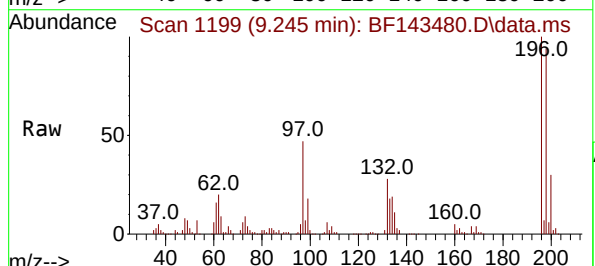
Ion Ratio Lower Upper

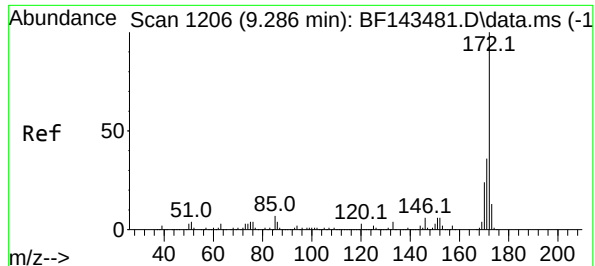
196 100

198 93.8 77.3 115.9

97 47.4 40.0 60.0

132 27.7 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 43.723 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

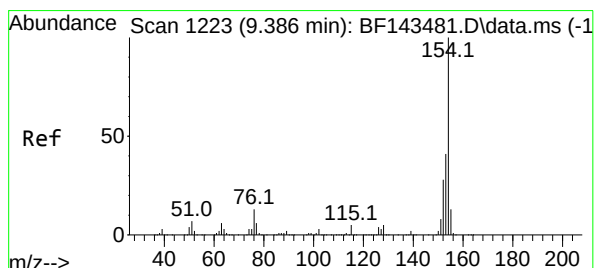
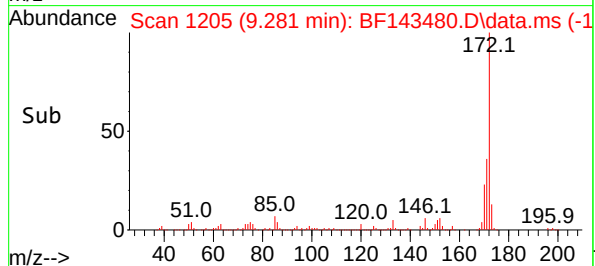
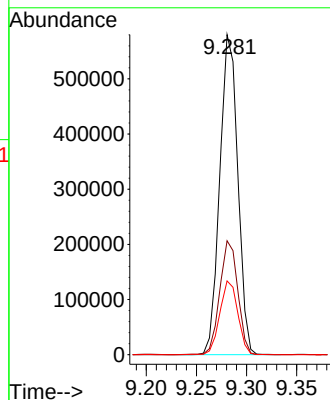
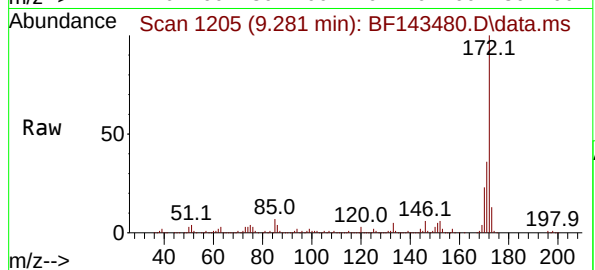
Tgt Ion:172 Resp: 723237

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.0 18.8 28.2



#46

1,1'-Biphenyl

Concen: 21.403 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

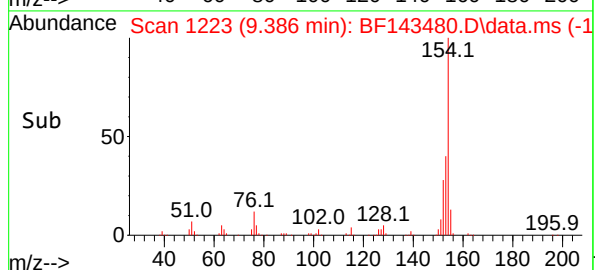
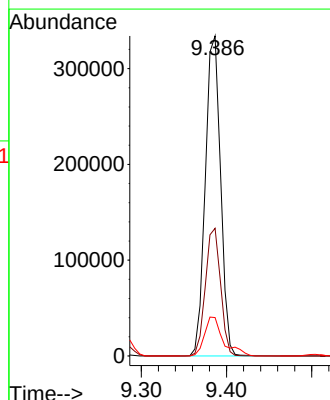
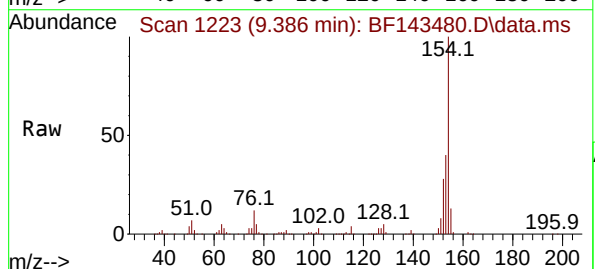
Tgt Ion:154 Resp: 415294

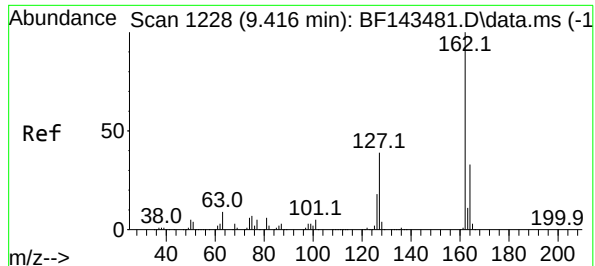
Ion Ratio Lower Upper

154 100

153 39.9 20.6 60.6

76 12.0 0.0 33.0





#47

2-Chloronaphthalene

Concen: 21.037 ng

RT: 9.410 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

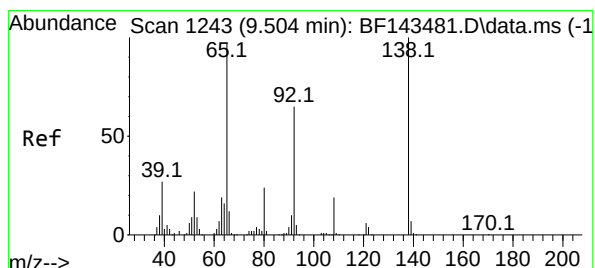
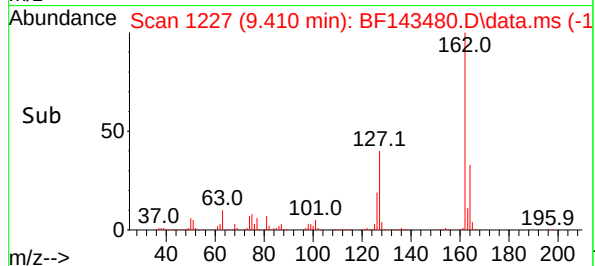
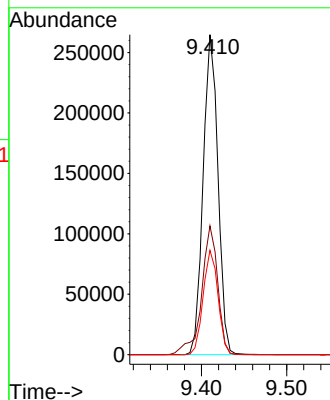
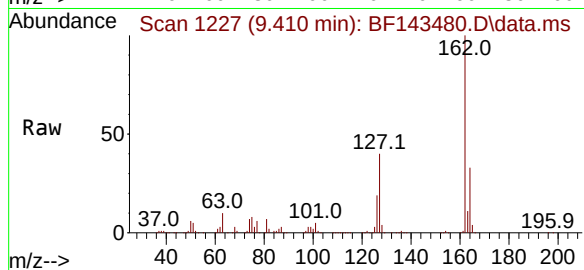
Tgt Ion:162 Resp: 320277

Ion Ratio Lower Upper

162 100

127 40.3 31.8 47.6

164 32.6 26.4 39.6



#48

2-Nitroaniline

Concen: 20.753 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

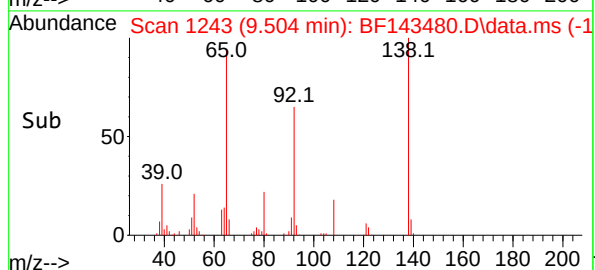
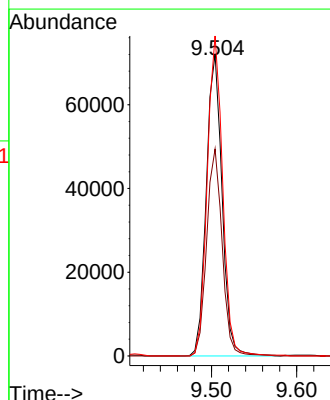
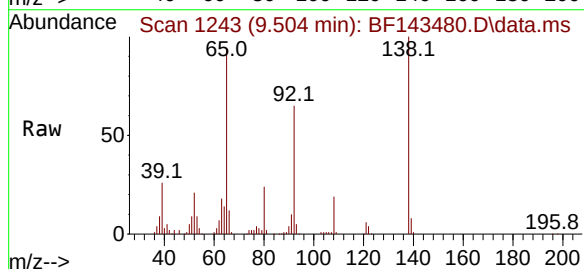
Tgt Ion: 65 Resp: 92468

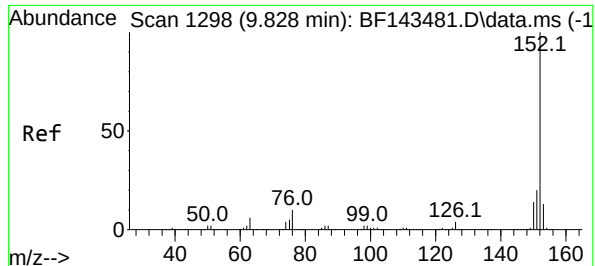
Ion Ratio Lower Upper

65 100

92 68.6 53.8 80.6

138 106.0 82.4 123.6





#49

Acenaphthylene

Concen: 21.158 ng

RT: 9.828 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

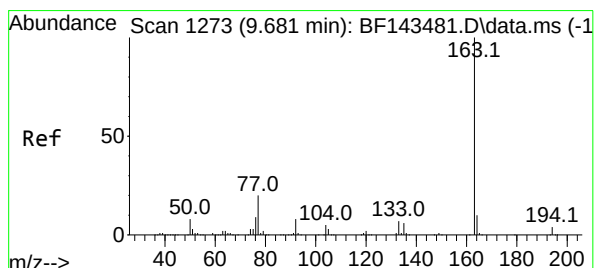
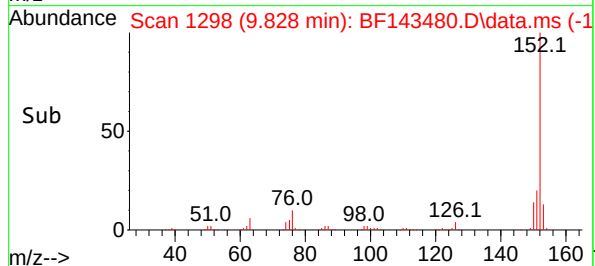
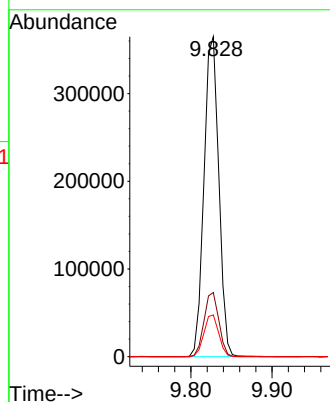
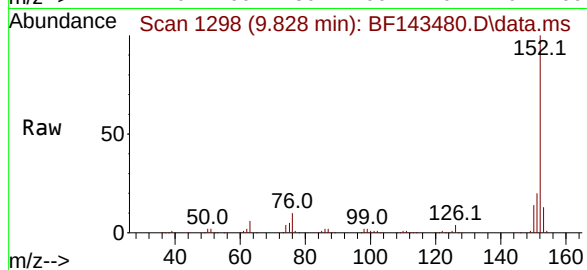
Tgt Ion:152 Resp: 461236

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

153 13.1 10.6 15.8



#50

Dimethylphthalate

Concen: 20.788 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

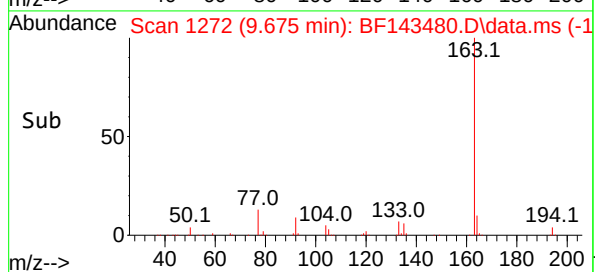
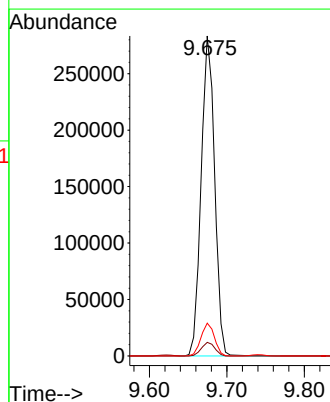
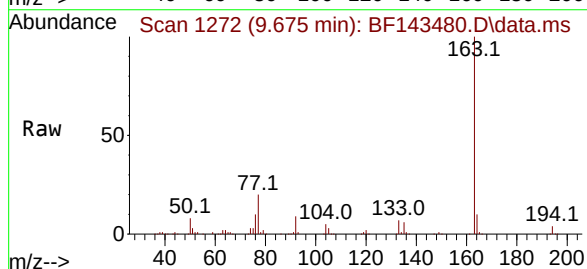
Tgt Ion:163 Resp: 342268

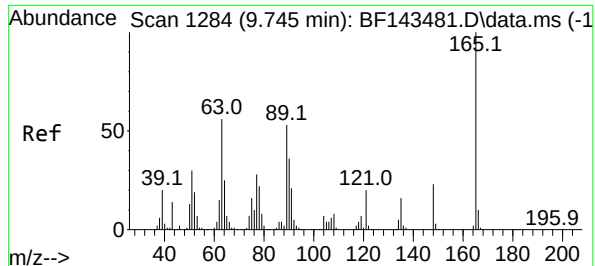
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.3 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 20.723 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

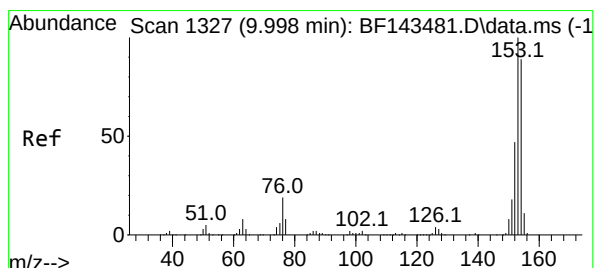
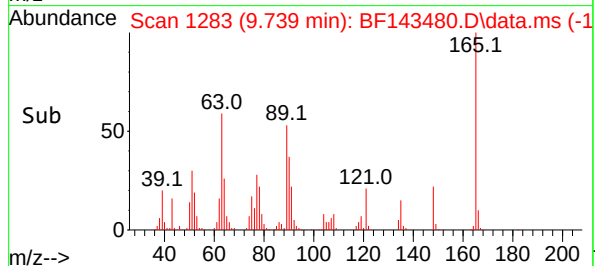
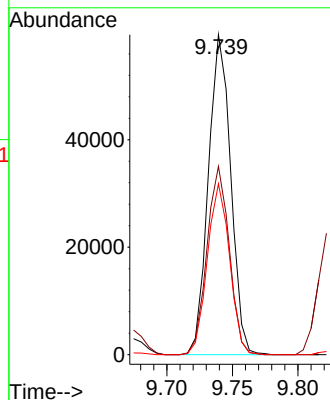
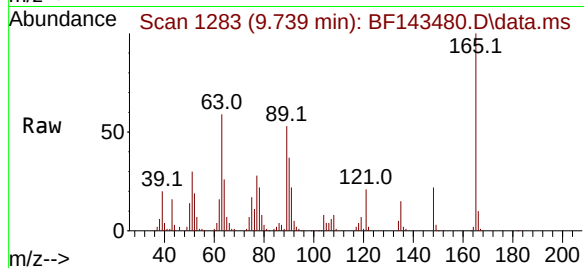
Tgt Ion:165 Resp: 70716

Ion Ratio Lower Upper

165 100

63 58.9 45.0 67.6

89 53.4 42.5 63.7



#52

Acenaphthene

Concen: 20.998 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

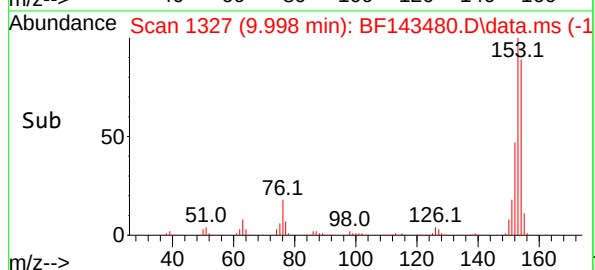
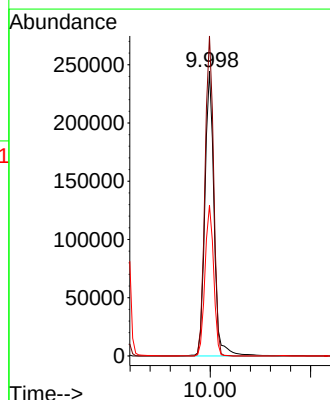
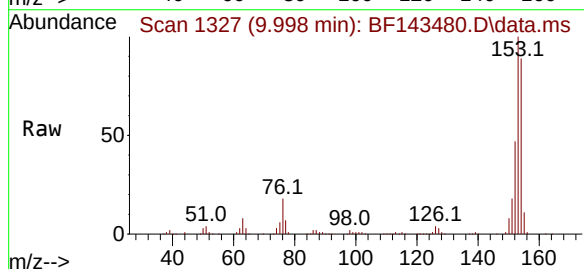
Tgt Ion:154 Resp: 310782

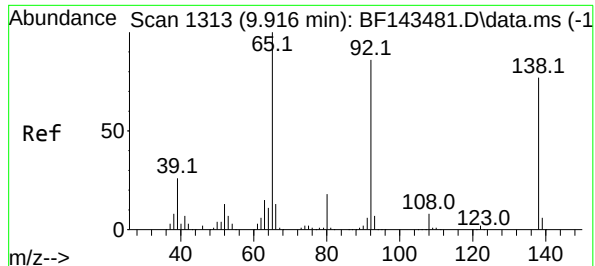
Ion Ratio Lower Upper

154 100

153 112.5 89.5 134.3

152 52.9 42.5 63.7

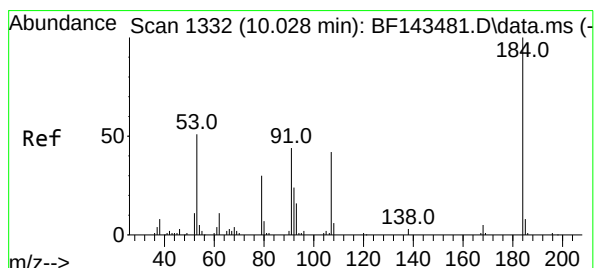
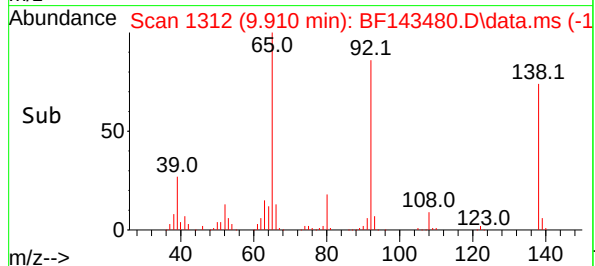
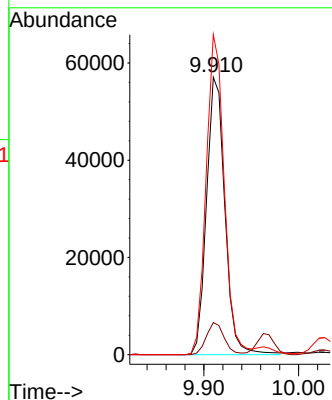
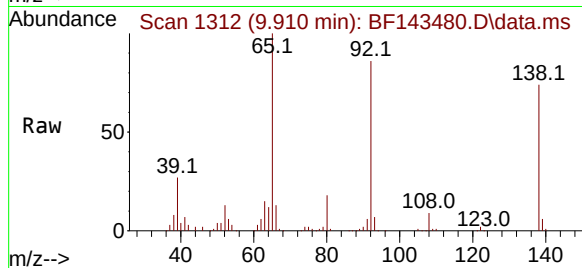




#53
3-Nitroaniline
Concen: 20.791 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

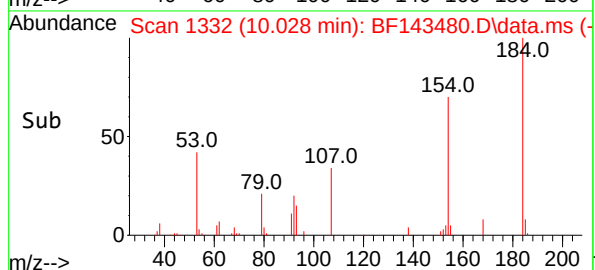
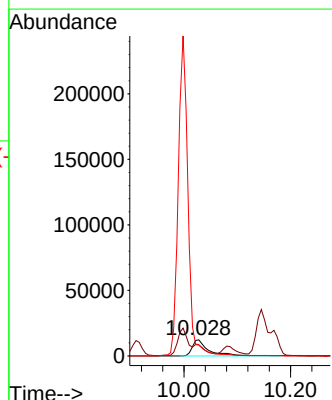
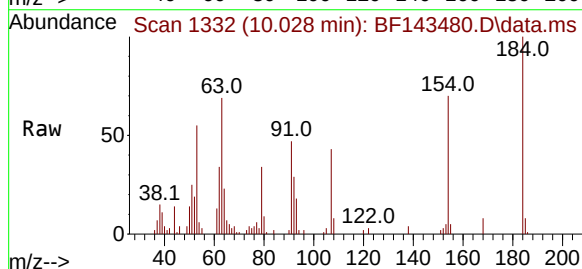
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

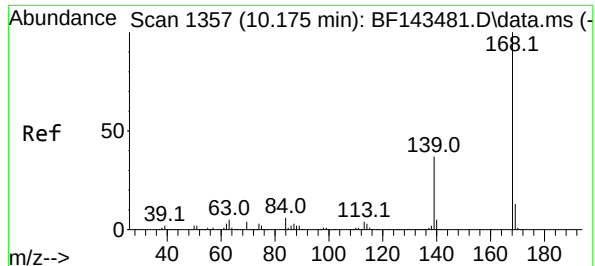
Tgt Ion:138 Resp: 76663
Ion Ratio Lower Upper
138 100
108 11.6 8.6 13.0
92 115.3 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 19.096 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:184 Resp: 26974
Ion Ratio Lower Upper
184 100
63 68.7 52.6 78.8
154 69.6 51.0 76.4





#55

Dibenzenofuran

Concen: 21.335 ng

RT: 10.169 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

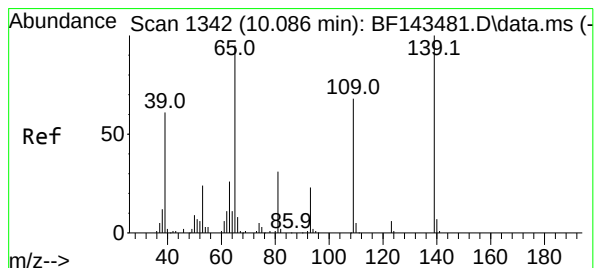
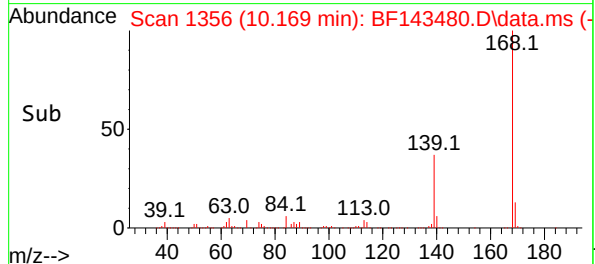
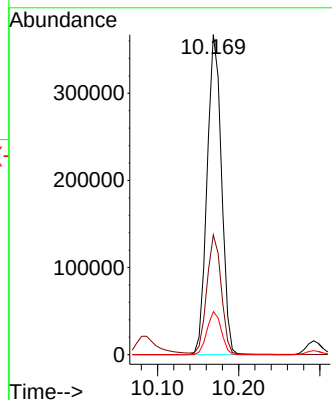
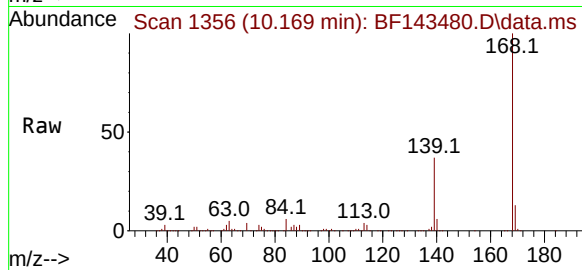
Tgt Ion:168 Resp: 450207

Ion Ratio Lower Upper

168 100

139 37.4 29.8 44.6

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 18.359 ng

RT: 10.086 min Scan# 1342

Delta R.T. 0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

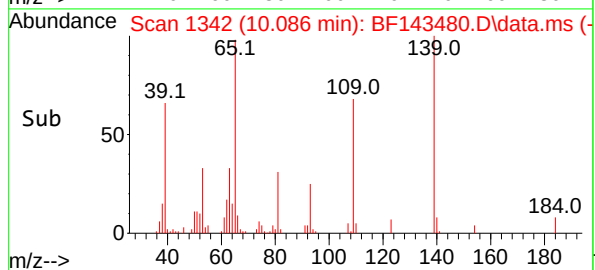
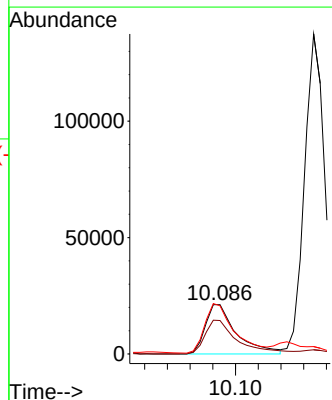
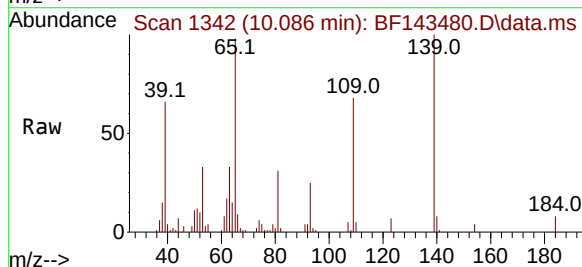
Tgt Ion:139 Resp: 40278

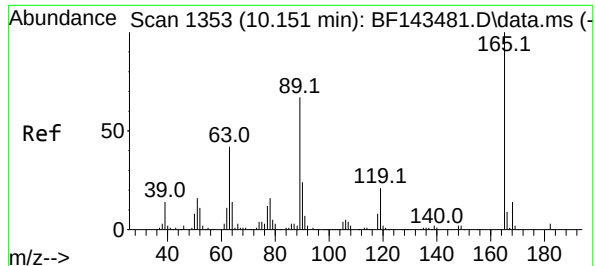
Ion Ratio Lower Upper

139 100

109 67.8 48.2 88.2

65 97.6 75.8 115.8

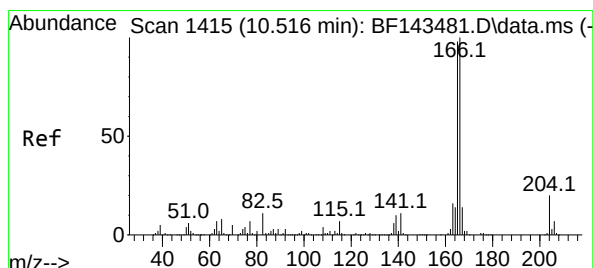
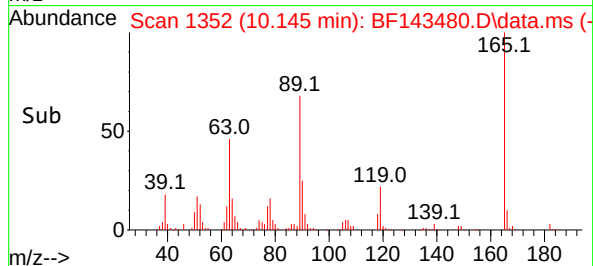
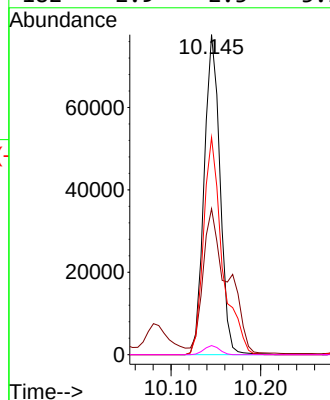
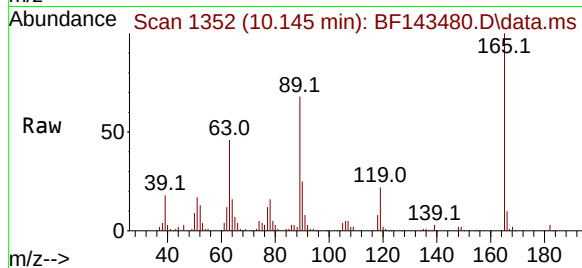




#57
2,4-Dinitrotoluene
Concen: 20.923 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

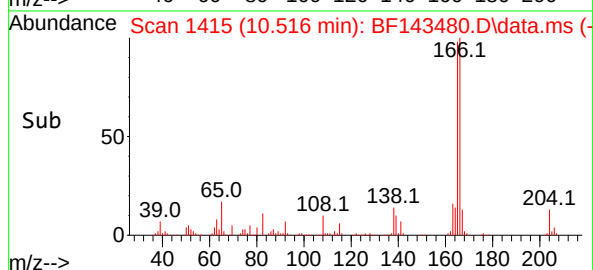
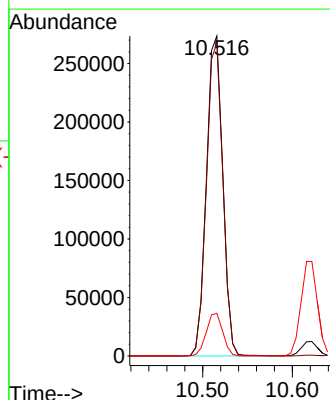
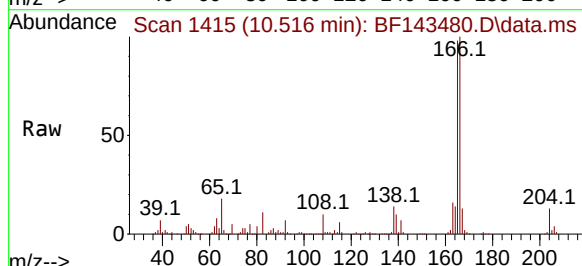
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

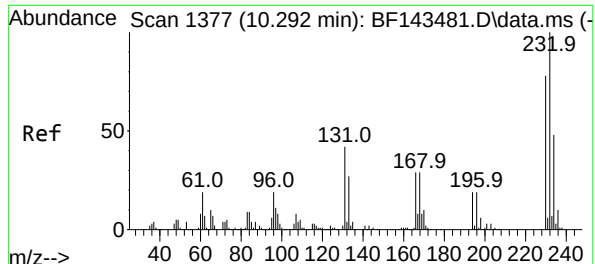
Tgt Ion:	165	Resp:	95333
Ion	Ratio	Lower	Upper
165	100		
63	45.6	34.9	52.3
89	67.9	53.3	79.9
182	2.9	2.3	3.5



#58
Fluorene
Concen: 21.370 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:	166	Resp:	347075
Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.3	117.5
167	13.3	11.0	16.4

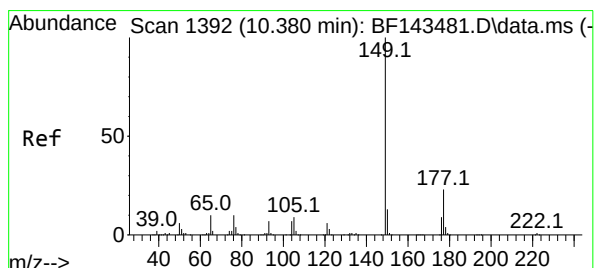
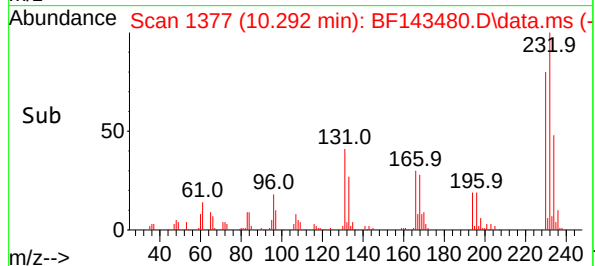
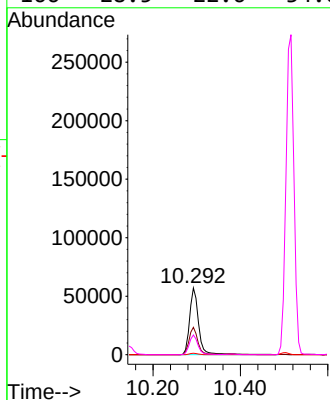
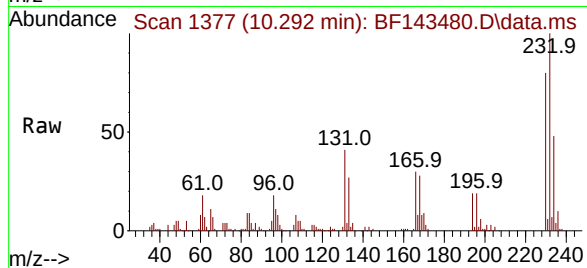




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.905 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

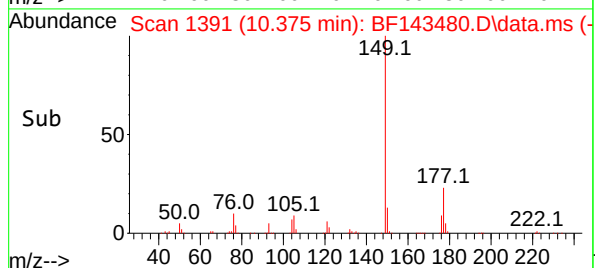
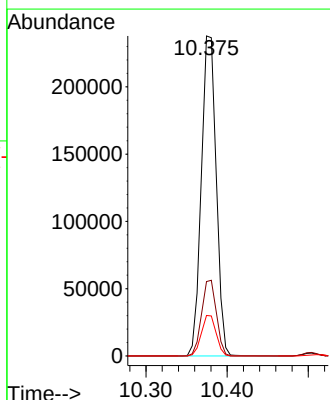
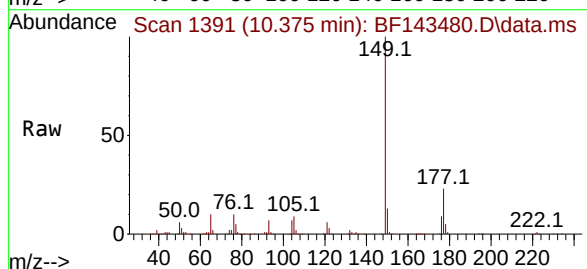
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

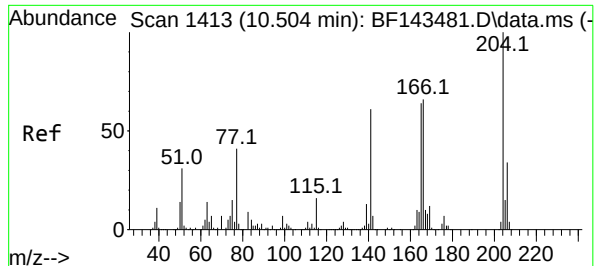
Tgt Ion:232 Resp: 81629
Ion Ratio Lower Upper
232 100
131 39.8 32.7 49.1
130 1.8 1.6 2.4
166 28.5 22.6 34.0



#60
Diethylphthalate
Concen: 20.558 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:149 Resp: 303476
Ion Ratio Lower Upper
149 100
177 23.2 18.3 27.5
150 12.7 10.3 15.5

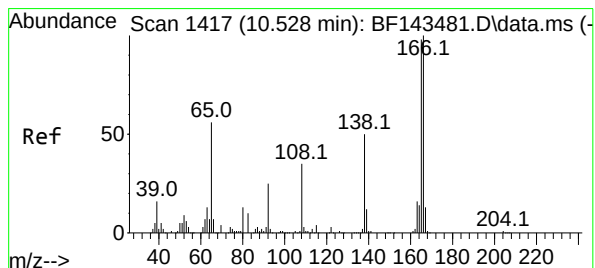
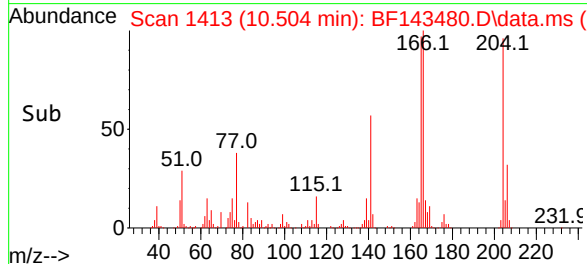
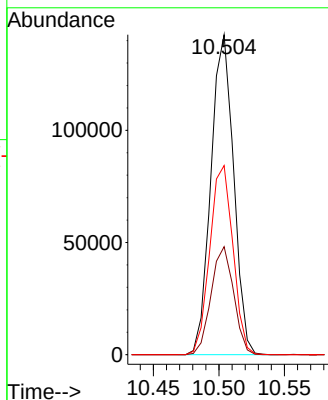
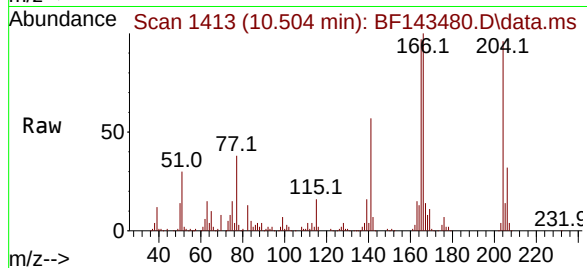




#61
4-Chlorophenyl-phenylether
Concen: 21.142 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

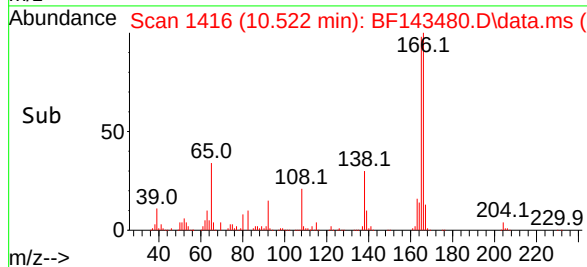
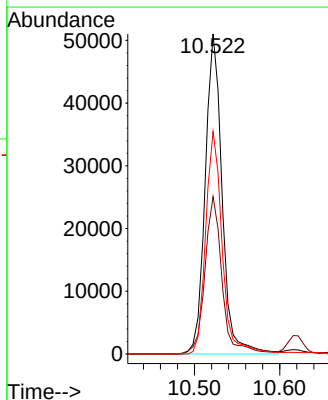
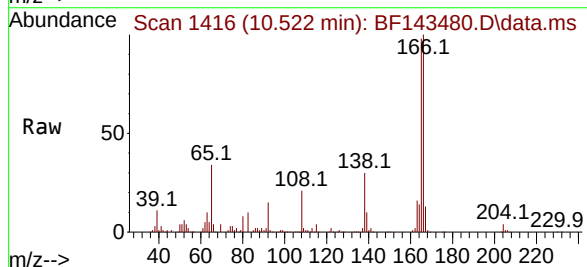
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

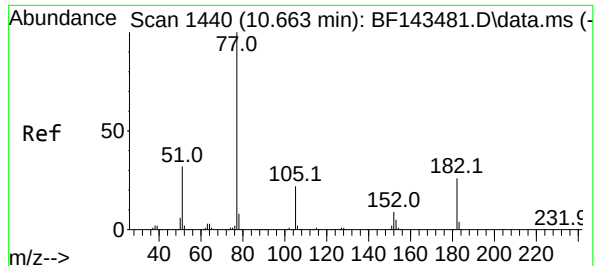
Tgt Ion:204 Resp: 171724
Ion Ratio Lower Upper
204 100
206 33.7 27.0 40.4
141 59.1 48.7 73.1



#62
4-Nitroaniline
Concen: 20.840 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:138 Resp: 70583
Ion Ratio Lower Upper
138 100
92 49.1 29.3 69.3
108 69.5 50.7 90.7

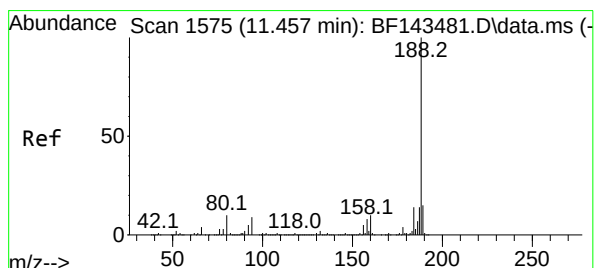
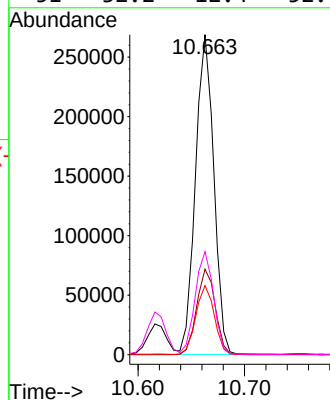
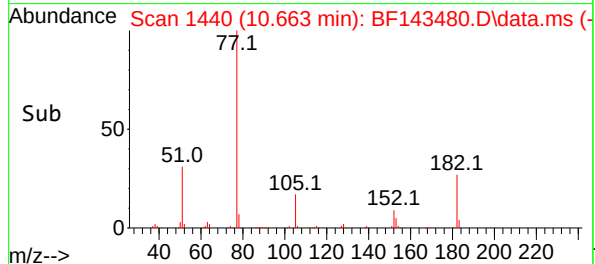
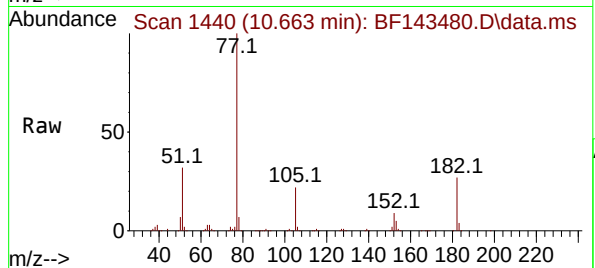




#63
Azobenzene
Concen: 21.019 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

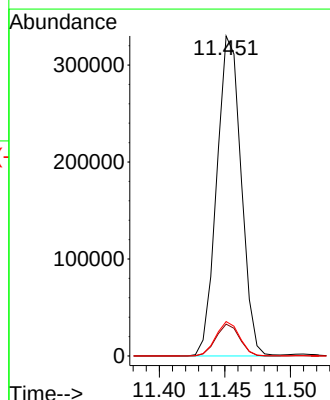
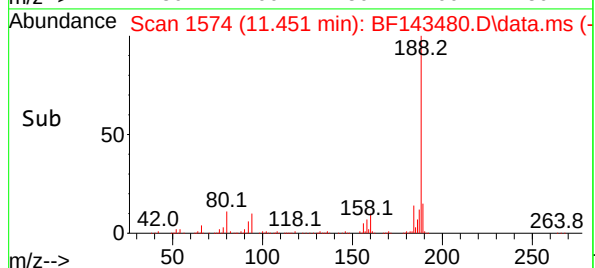
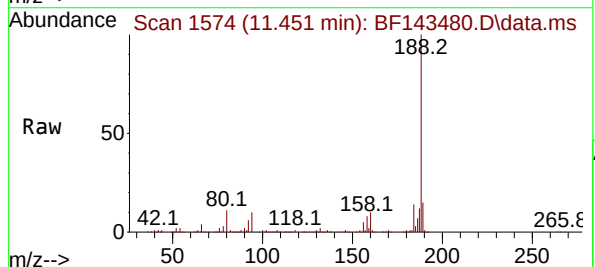
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

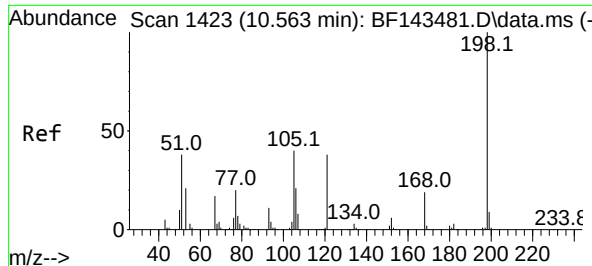
Tgt Ion: 77	Resp: 321721
Ion Ratio	Lower Upper
77	100
182	26.7 6.2 46.2
105	21.6 2.2 42.2
51	32.2 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 188	Resp: 425626
Ion Ratio	Lower Upper
188	100
94	10.0 7.4 11.2
80	10.8 8.2 12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 18.261 ng

RT: 10.557 min Scan# 1422

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

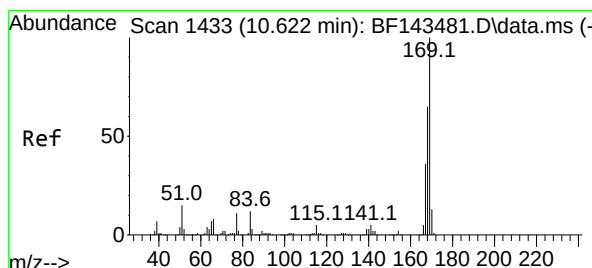
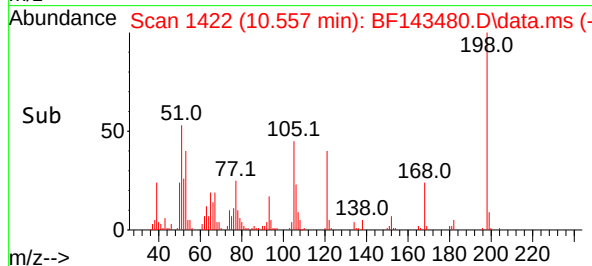
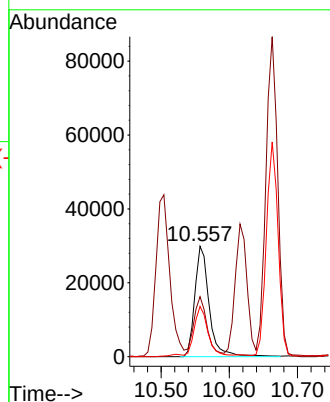
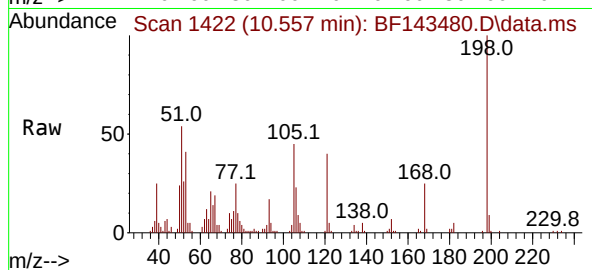
Tgt Ion:198 Resp: 43824

Ion Ratio Lower Upper

198 100

51 54.3 29.6 69.6

105 45.5 21.5 61.5



#66

n-Nitrosodiphenylamine

Concen: 21.089 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

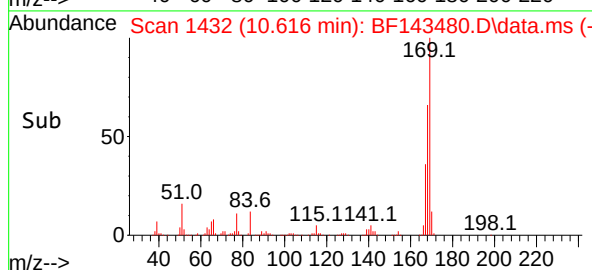
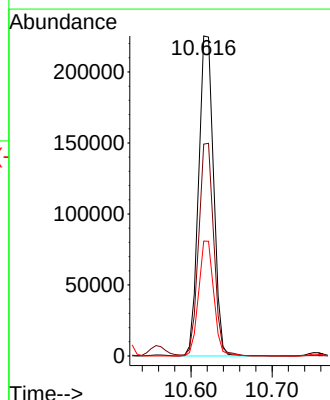
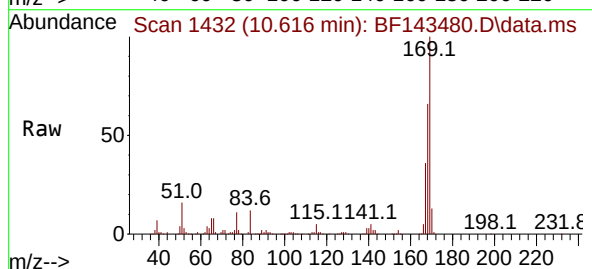
Tgt Ion:169 Resp: 288871

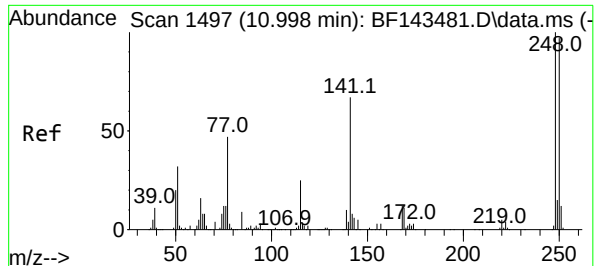
Ion Ratio Lower Upper

169 100

168 66.2 52.4 78.6

167 35.9 28.9 43.3

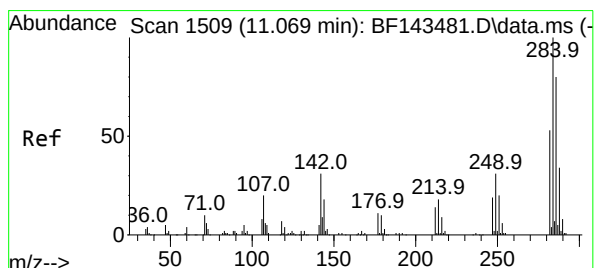
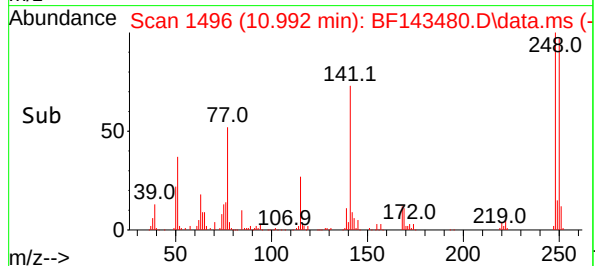
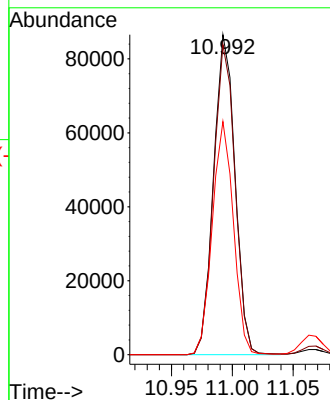
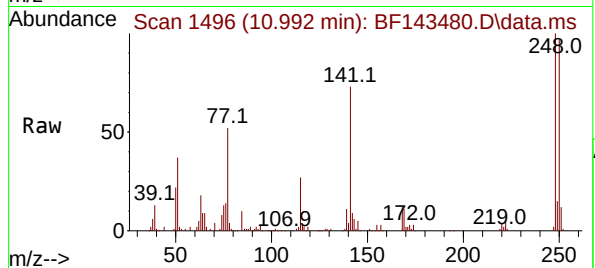




#67
4-Bromophenyl-phenylether
Concen: 20.944 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

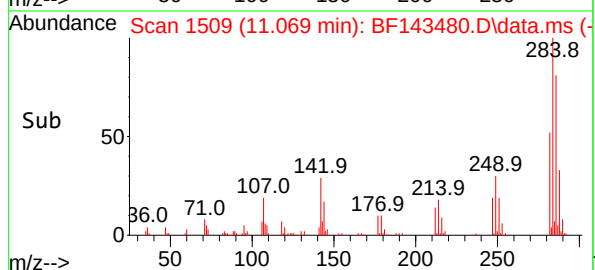
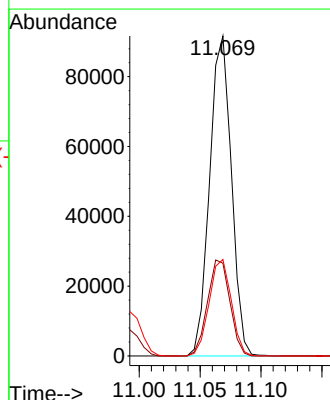
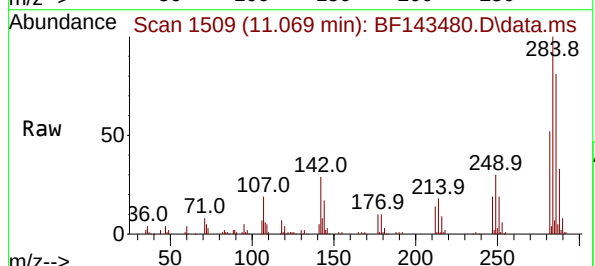
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

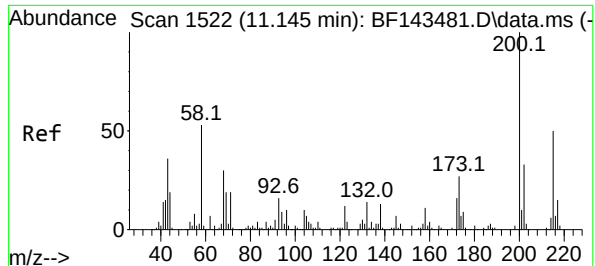
Tgt Ion:248 Resp: 106363
Ion Ratio Lower Upper
248 100
250 96.9 77.8 116.8
141 72.9 54.0 81.0



#68
Hexachlorobenzene
Concen: 20.773 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:284 Resp: 113714
Ion Ratio Lower Upper
284 100
142 29.0 24.4 36.6
249 30.2 25.0 37.6





#69

Atrazine

Concen: 19.750 ng

RT: 11.139 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

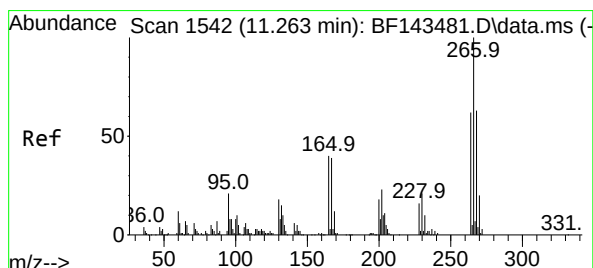
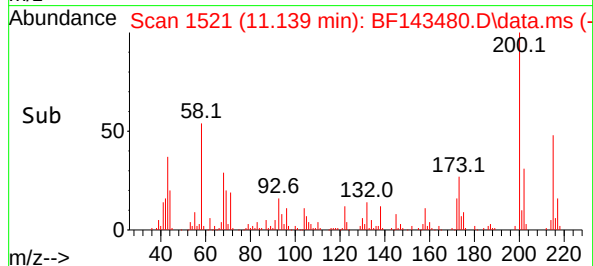
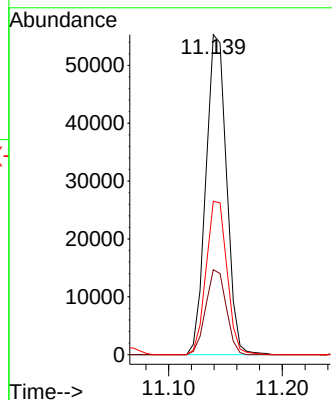
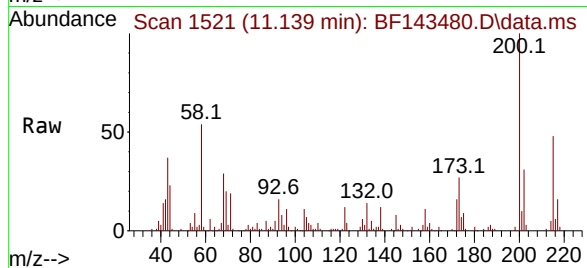
Tgt Ion:200 Resp: 69831

Ion Ratio Lower Upper

200 100

173 26.6 6.9 46.9

215 48.0 30.0 70.0



#70

Pentachlorophenol

Concen: 18.070 ng

RT: 11.269 min Scan# 1543

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

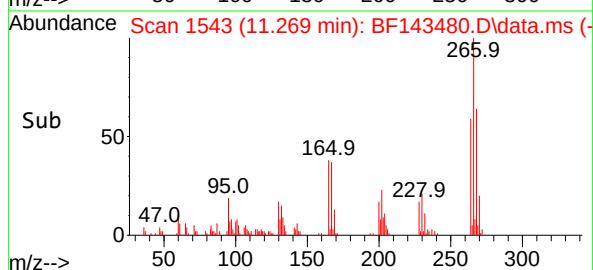
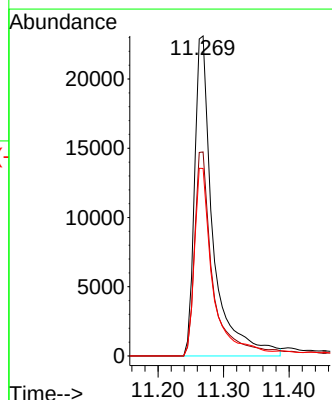
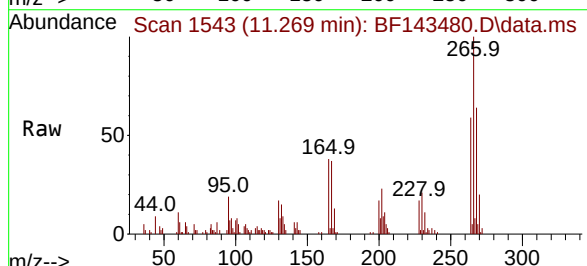
Tgt Ion:266 Resp: 45302

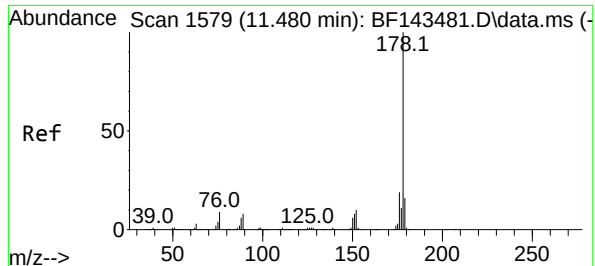
Ion Ratio Lower Upper

266 100

268 63.7 50.5 75.7

264 58.6 49.8 74.8

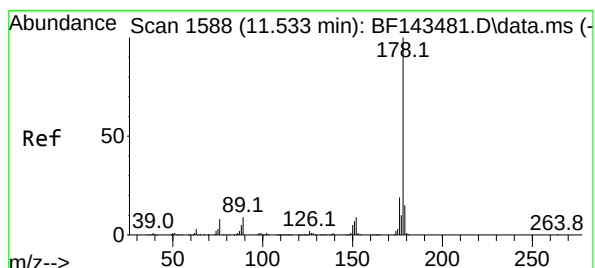
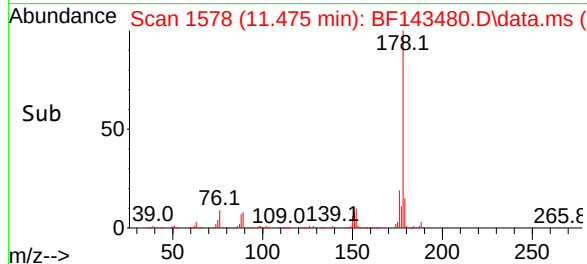
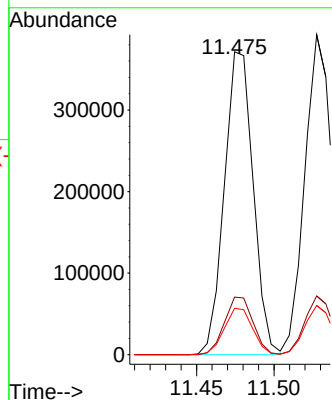
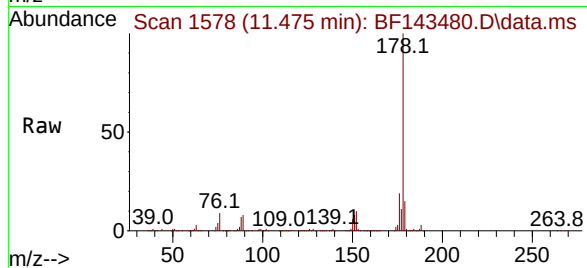




#71
Phenanthrene
Concen: 21.099 ng
RT: 11.475 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

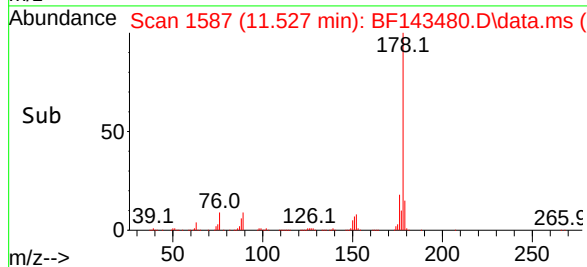
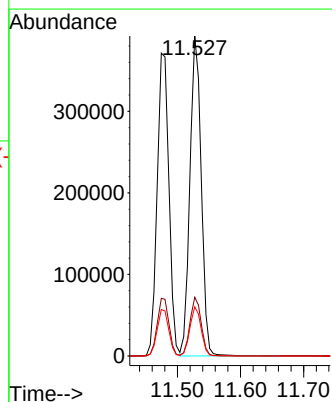
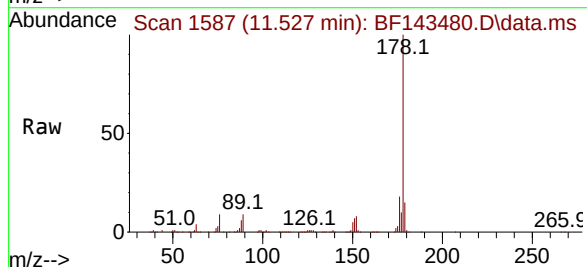
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

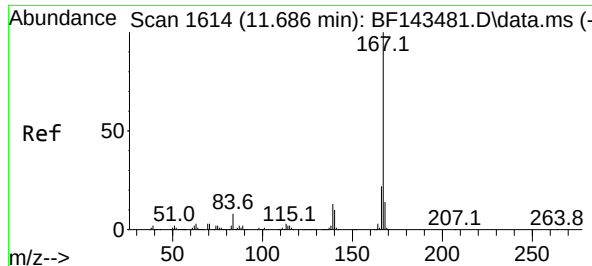
Tgt Ion:178 Resp: 480915
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.5 18.7



#72
Anthracene
Concen: 21.164 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:178 Resp: 488675
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.4 12.3 18.5

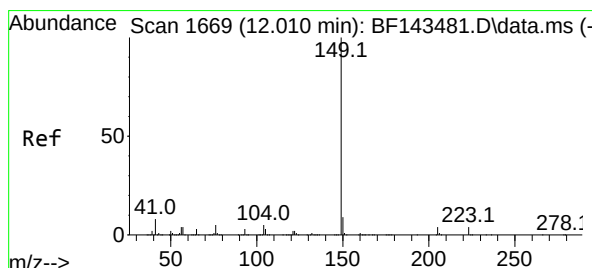
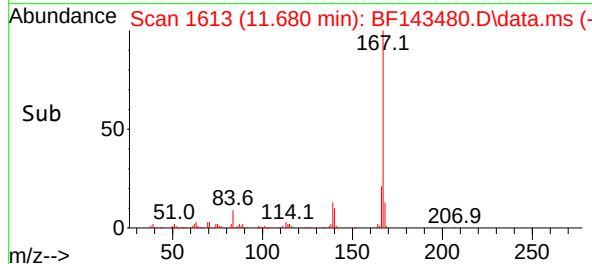
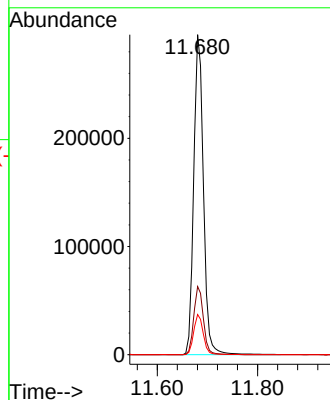
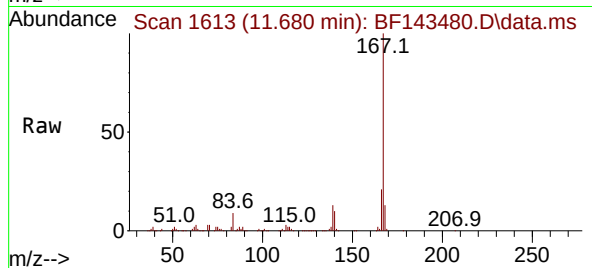




#73
Carbazole
Concen: 20.967 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

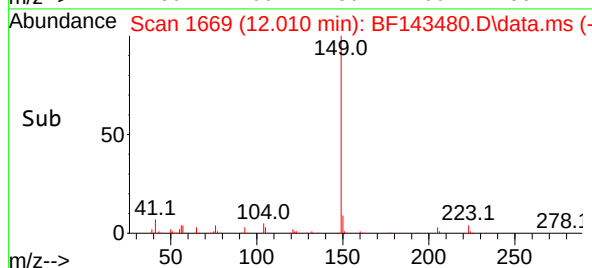
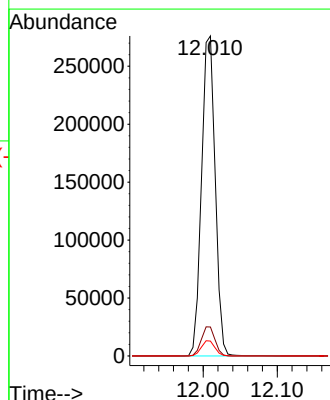
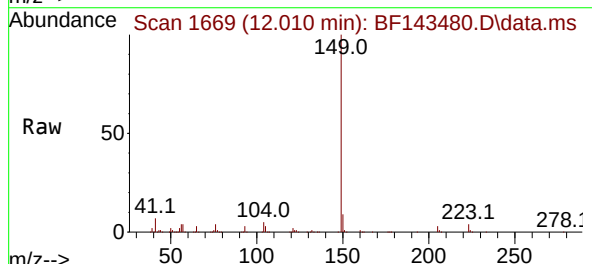
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

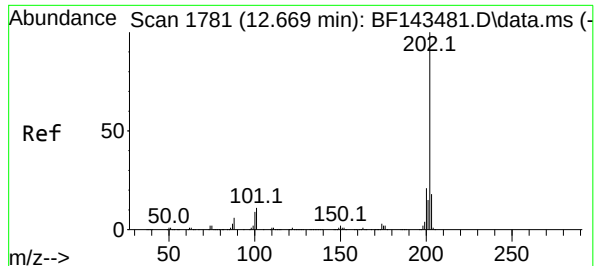
Tgt Ion:167 Resp: 396704
Ion Ratio Lower Upper
167 100
166 21.3 17.3 25.9
139 12.6 10.0 15.0



#74
Di-n-butylphthalate
Concen: 20.013 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:149 Resp: 353228
Ion Ratio Lower Upper
149 100
150 9.1 7.2 10.8
104 4.6 3.6 5.4





#75

Fluoranthene

Concen: 20.846 ng

RT: 12.669 min Scan# 1781

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

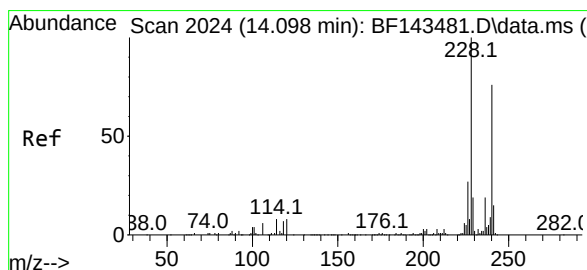
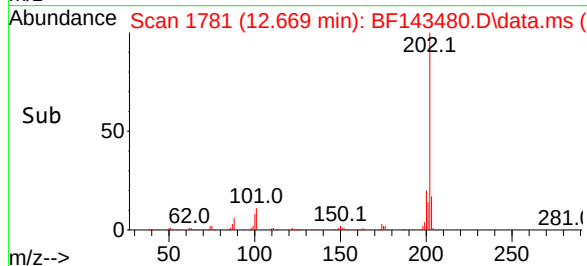
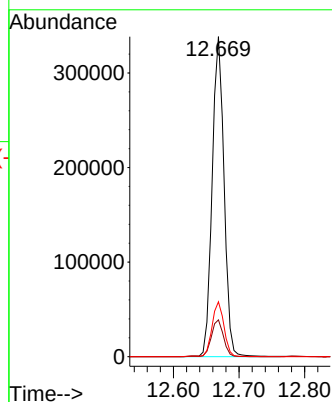
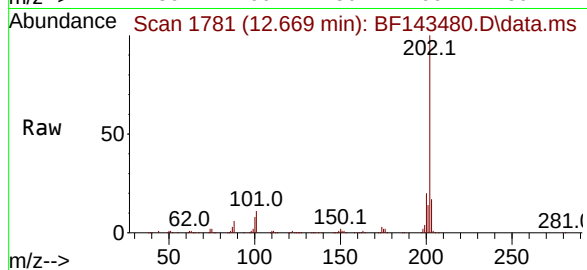
Tgt Ion:202 Resp: 426351

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.3

203 17.1 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

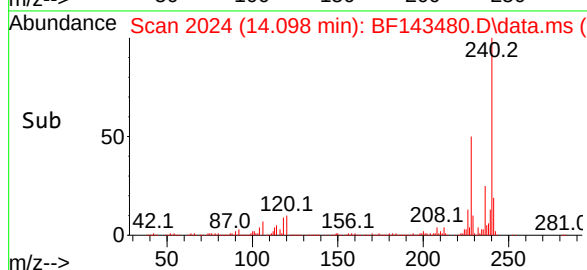
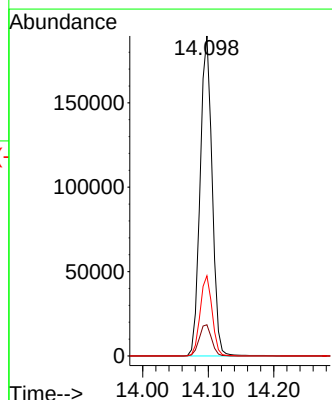
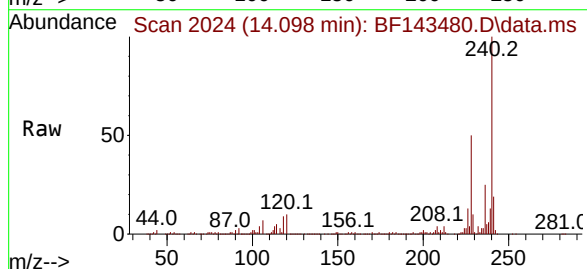
Tgt Ion:240 Resp: 241250

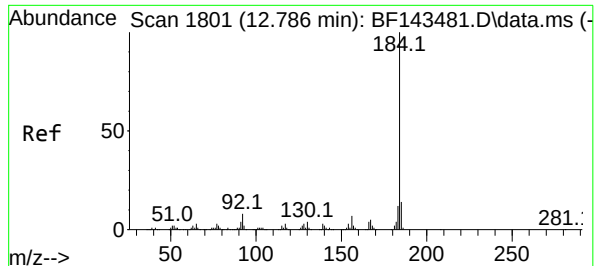
Ion Ratio Lower Upper

240 100

120 9.8 8.6 12.8

236 25.0 20.4 30.6





#77

Benzidine

Concen: 27.286 ng

RT: 12.786 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

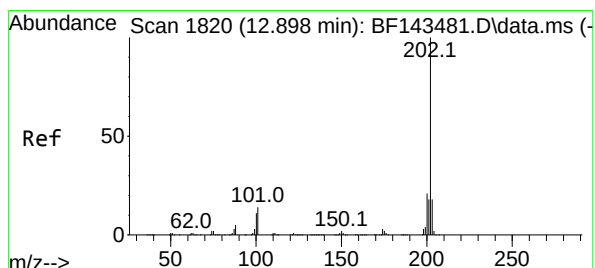
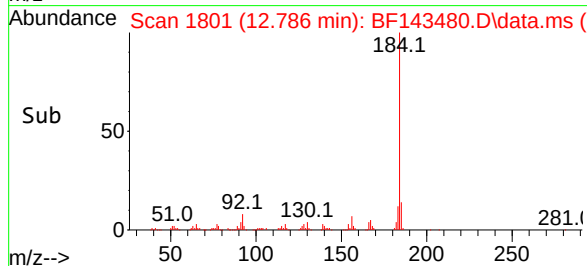
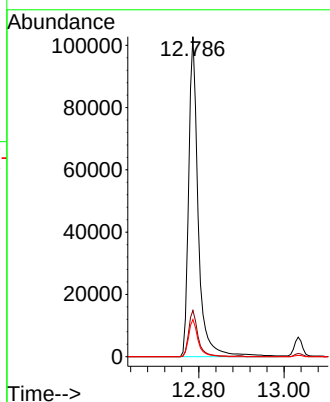
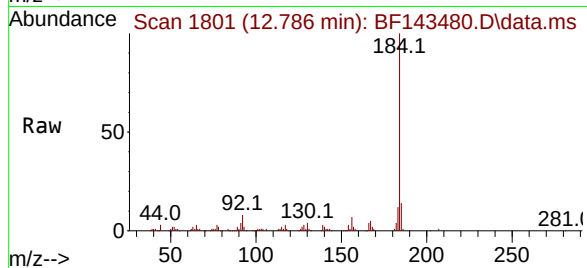
Tgt Ion:184 Resp: 160347

Ion Ratio Lower Upper

184 100

185 14.5 11.3 16.9

183 11.6 9.5 14.3



#78

Pyrene

Concen: 21.798 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

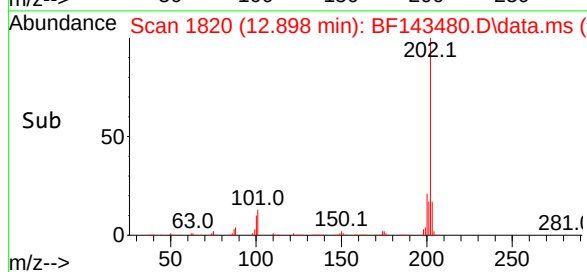
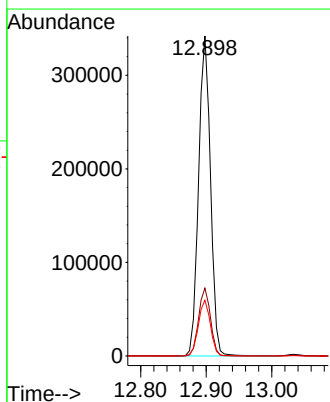
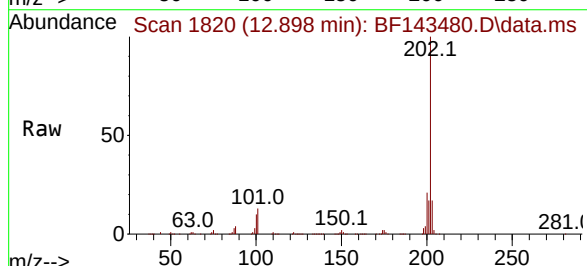
Tgt Ion:202 Resp: 432575

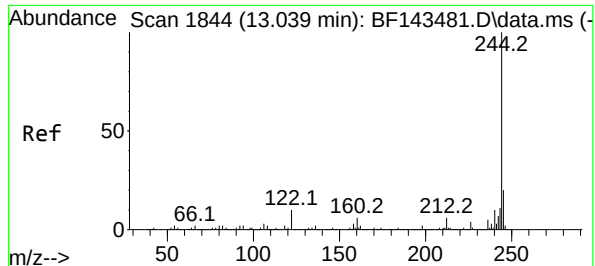
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 43.541 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

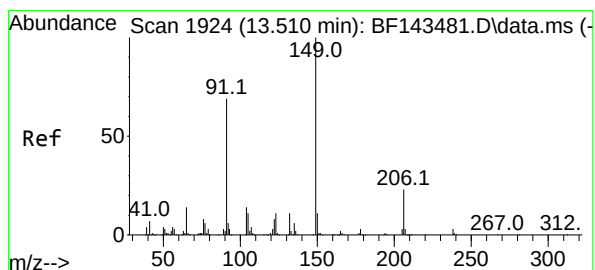
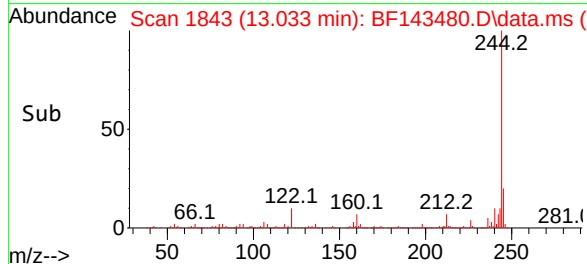
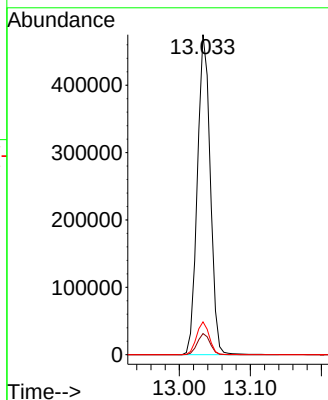
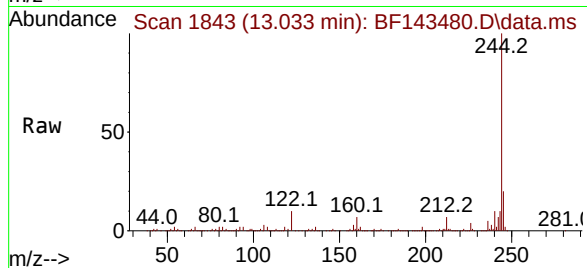
Tgt Ion:244 Resp: 601957

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.3 7.9 11.9



#80

Butylbenzylphthalate

Concen: 19.698 ng

RT: 13.510 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

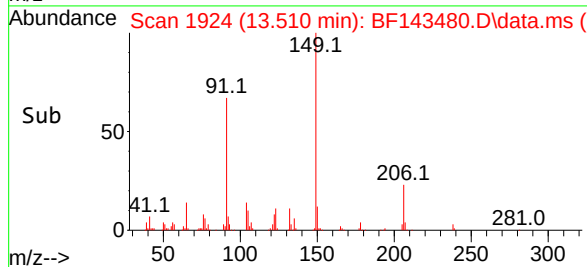
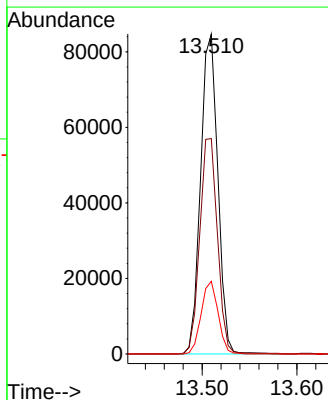
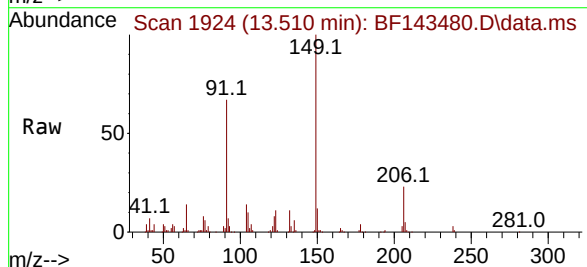
Tgt Ion:149 Resp: 106788

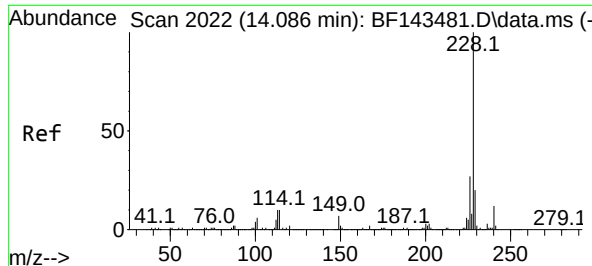
Ion Ratio Lower Upper

149 100

91 67.3 55.3 82.9

206 22.7 18.2 27.4

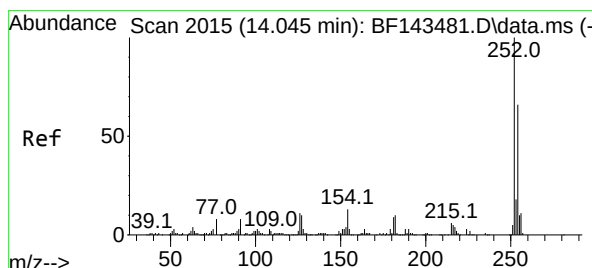
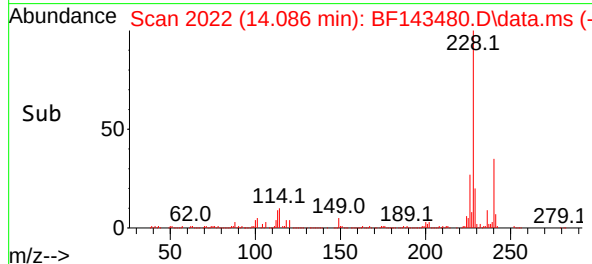
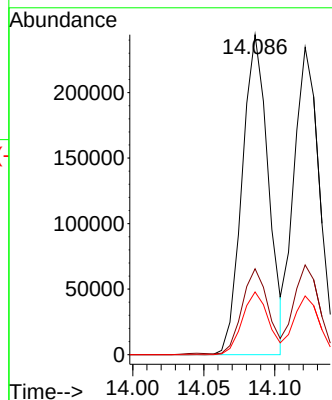
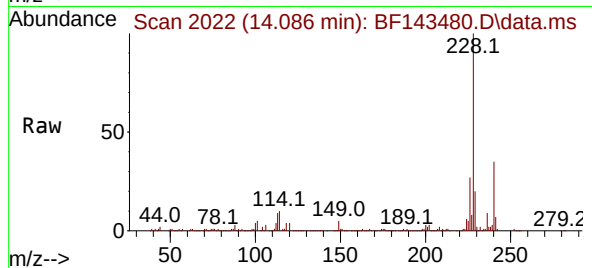




#81
Benzo(a)anthracene
Concen: 20.196 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

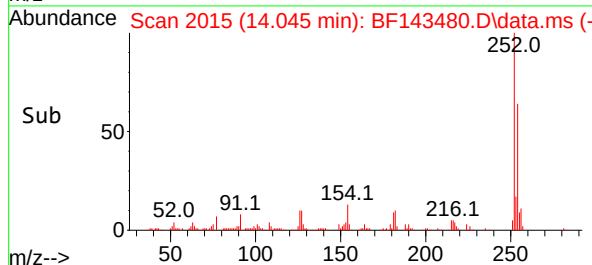
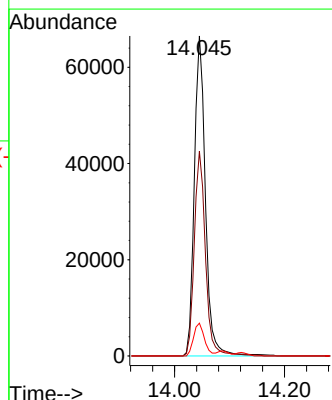
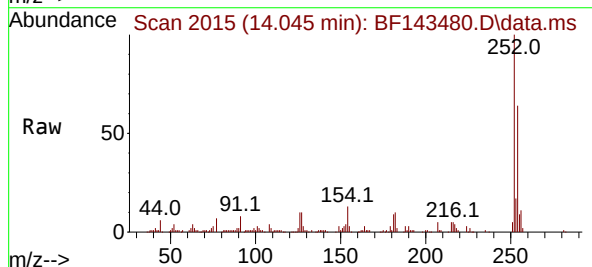
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

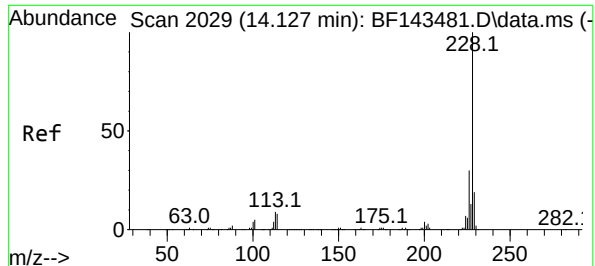
Tgt Ion:228 Resp: 313687
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 19.6 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 20.959 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:252 Resp: 93226
Ion Ratio Lower Upper
252 100
254 64.0 52.6 79.0
126 10.3 8.7 13.1





#83

Chrysene

Concen: 20.957 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

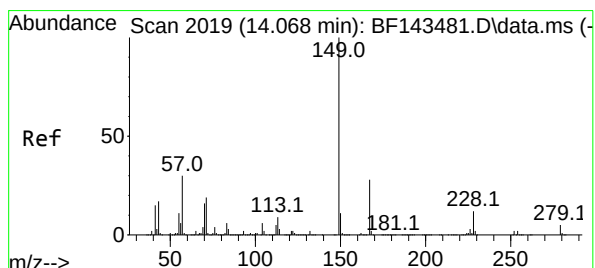
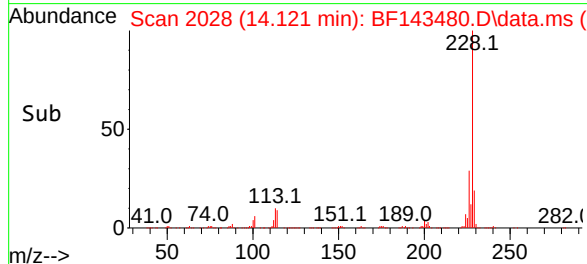
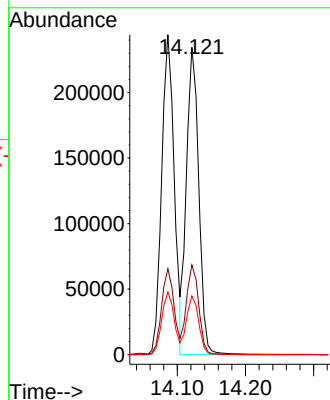
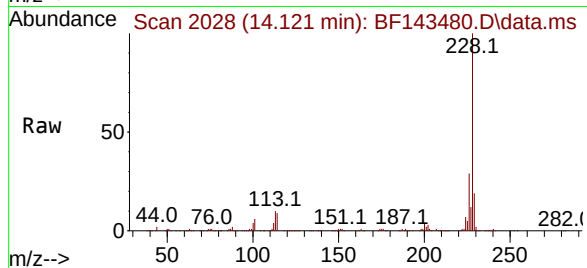
Tgt Ion:228 Resp: 292523

Ion Ratio Lower Upper

228 100

226 29.2 23.7 35.5

229 19.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.434 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

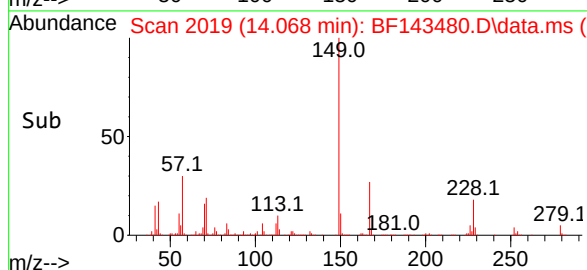
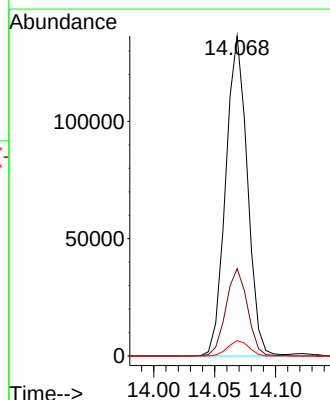
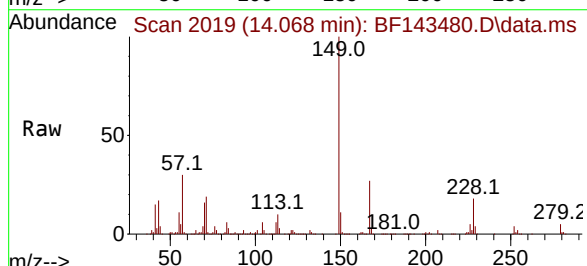
Tgt Ion:149 Resp: 168717

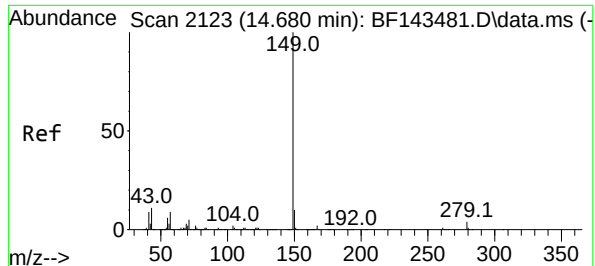
Ion Ratio Lower Upper

149 100

167 27.3 22.2 33.2

279 4.8 3.6 5.4

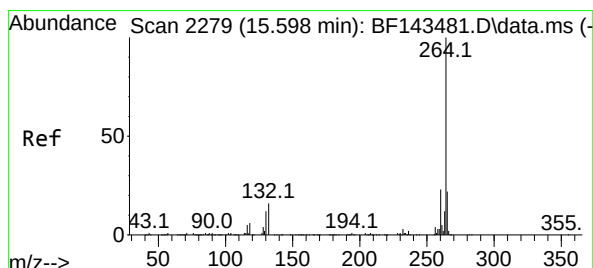
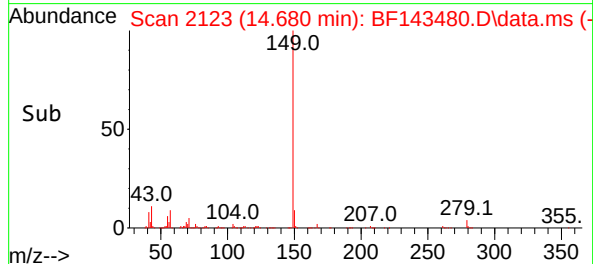
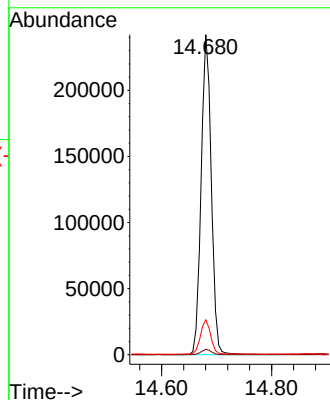
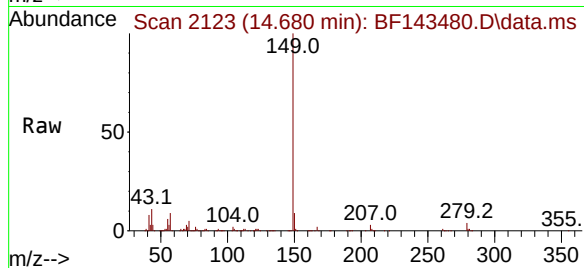




#85
Di-n-octyl phthalate
Concen: 20.329 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

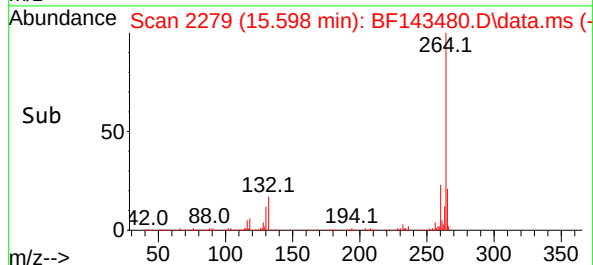
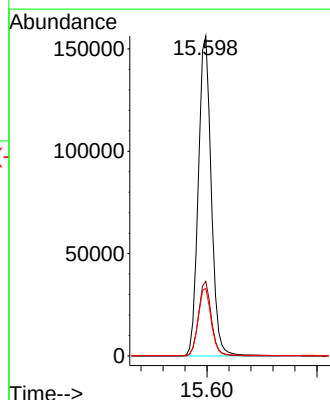
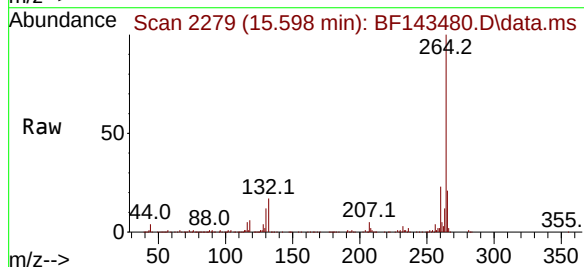
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

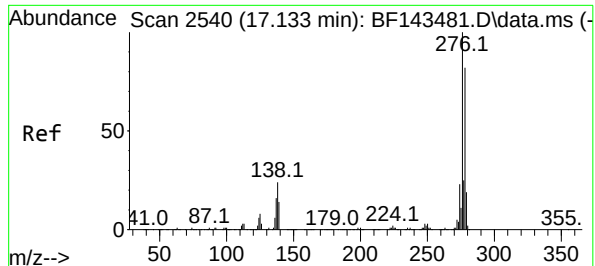
Tgt Ion:149 Resp: 310954
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 11.0 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:264 Resp: 255472
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.1 17.6 26.4

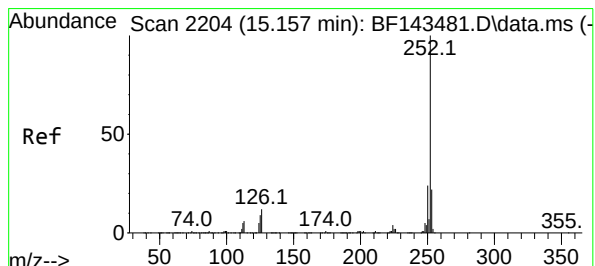
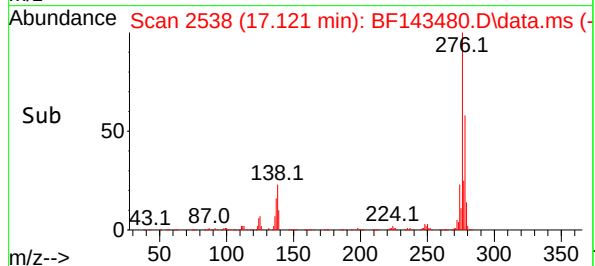
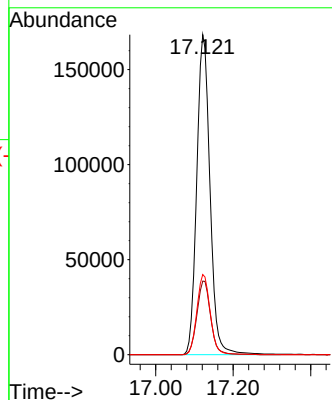
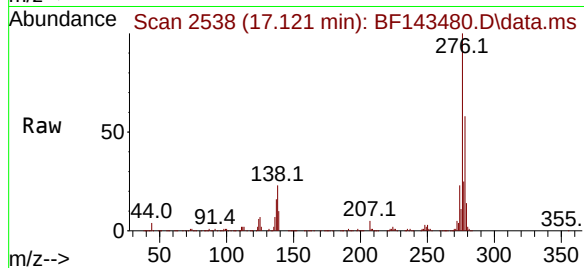




#87
Indeno(1,2,3-cd)pyrene
Concen: 21.773 ng
RT: 17.121 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

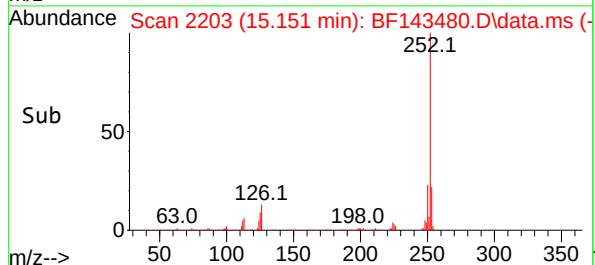
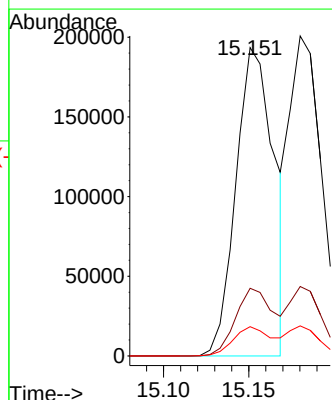
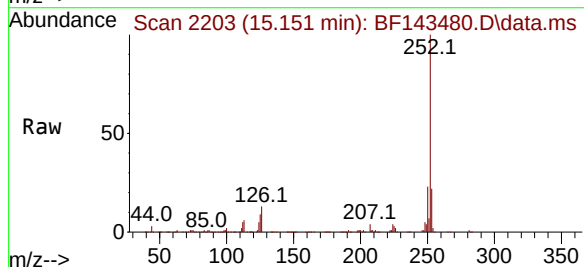
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

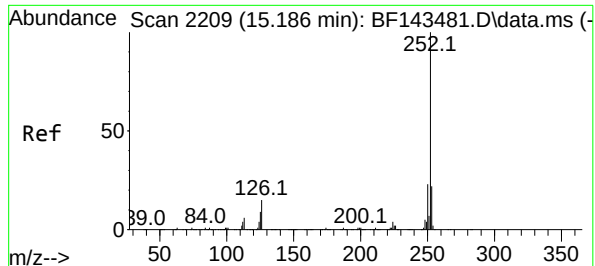
Tgt Ion:276 Resp: 399711
Ion Ratio Lower Upper
276 100
138 23.8 19.2 28.8
277 25.2 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 21.268 ng
RT: 15.151 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:252 Resp: 302016
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.5 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 19.835 ng

RT: 15.180 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

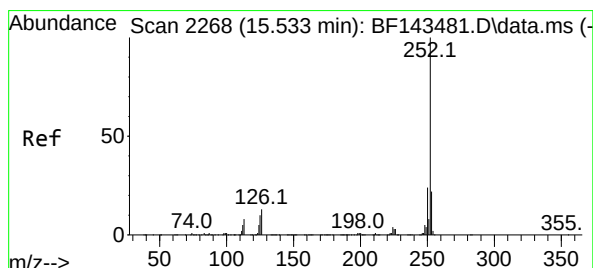
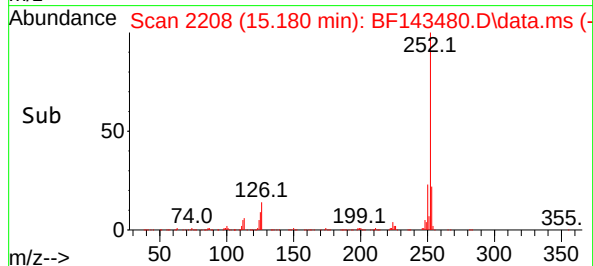
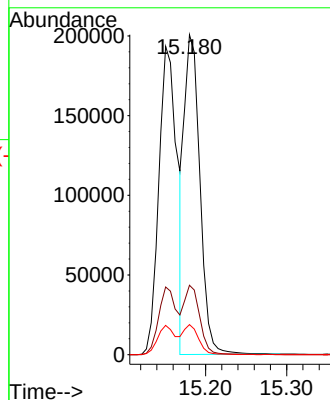
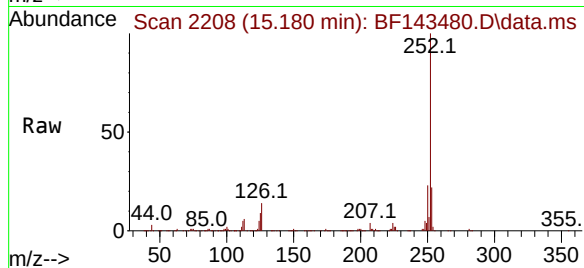
Tgt Ion:252 Resp: 269685

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 9.4 7.4 11.0



#90

Benzo(a)pyrene

Concen: 20.819 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

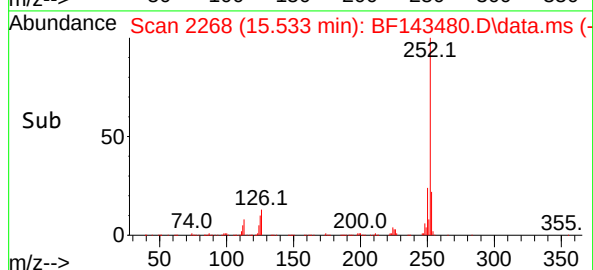
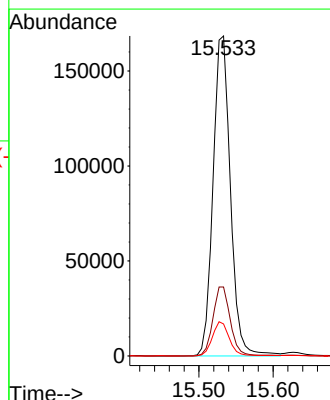
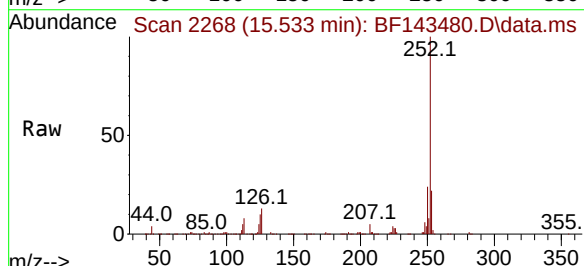
Tgt Ion:252 Resp: 274418

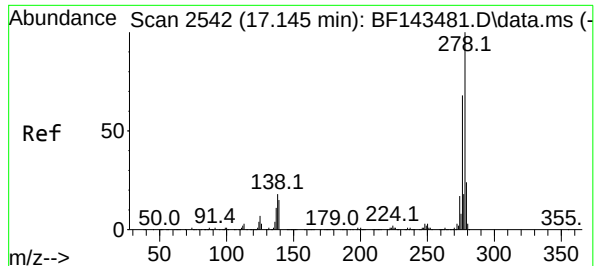
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 10.0 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 21.891 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

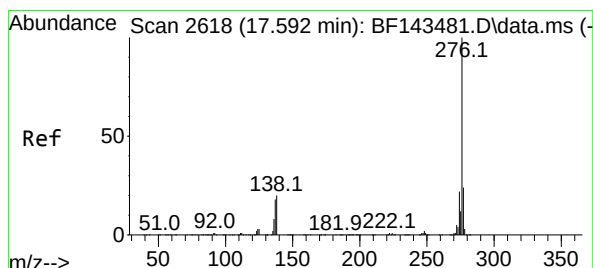
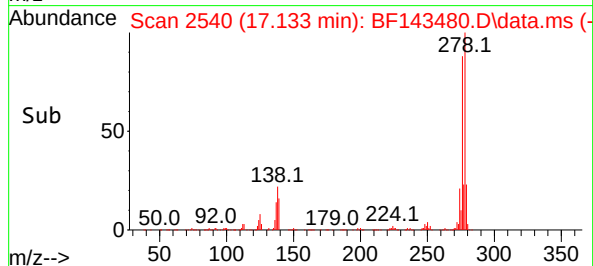
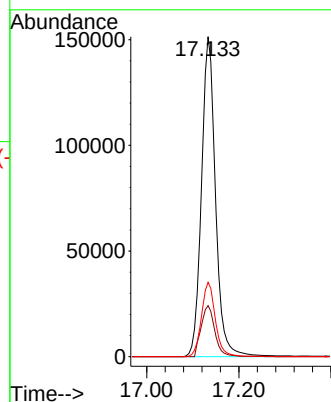
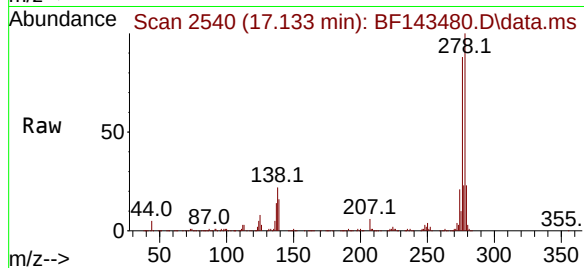
Tgt Ion:278 Resp: 321851

Ion Ratio Lower Upper

278 100

139 16.0 12.1 18.1

279 23.3 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 21.701 ng

RT: 17.580 min Scan# 2616

Delta R.T. -0.024 min

Lab File: BF143480.D

Acq: 20 Aug 2025 12:23

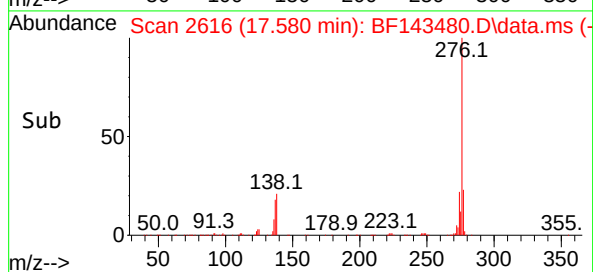
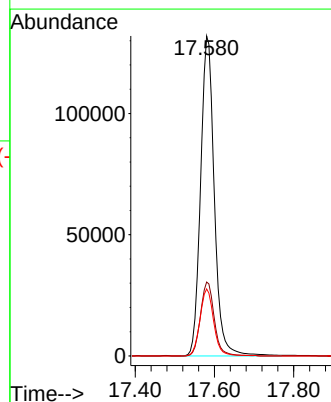
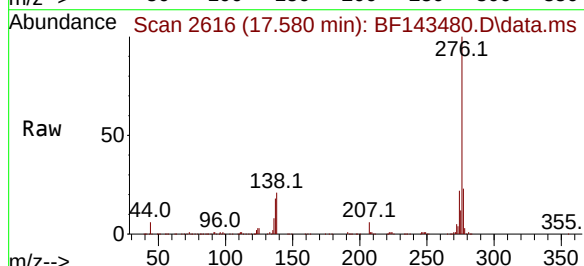
Tgt Ion:276 Resp: 317263

Ion Ratio Lower Upper

276 100

277 23.1 18.9 28.3

138 21.0 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143481.D
Acq On : 20 Aug 2025 12:53
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 20 16:23:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137770	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	521928	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	282852	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	436106	20.000	ng	0.00
76) Chrysene-d12	14.098	240	249960	20.000	ng	0.00
86) Perylene-d12	15.598	264	288139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	627397	79.519	ng	0.00
7) Phenol-d6	6.563	99	775270	79.600	ng	-0.01
23) Nitrobenzene-d5	7.492	82	717900	80.266	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	212595	80.744	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1307900	76.419	ng	0.00
79) Terphenyl-d14	13.039	244	1129659	78.865	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.740	88	147614	40.387	ng	100
3) Pyridine	3.522	79	396205	40.700	ng	100
4) n-Nitrosodimethylamine	3.463	42	176726	40.383	ng	100
6) Aniline	6.592	93	520870	40.010	ng	100
8) 2-Chlorophenol	6.716	128	349331	40.086	ng	100
9) Benzaldehyde	6.481	77	330624	41.929	ng	100
10) Phenol	6.581	94	453508	40.419	ng	100
11) bis(2-Chloroethyl)ether	6.657	93	334229	39.862	ng	100
12) 1,3-Dichlorobenzene	6.869	146	389485	39.778	ng	100
13) 1,4-Dichlorobenzene	6.945	146	388762	39.581	ng	100
14) 1,2-Dichlorobenzene	7.098	146	371439	39.943	ng	100
15) Benzyl Alcohol	7.069	79	298360	40.916	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	538319	40.131	ng	100
17) 2-Methylphenol	7.187	107	278676	39.844	ng	100
18) Hexachloroethane	7.439	117	135258	40.503	ng	100
19) n-Nitroso-di-n-propyla...	7.339	70	232621	39.076	ng	100
20) 3+4-Methylphenols	7.334	107	335474	40.179	ng	100
22) Acetophenone	7.334	105	436693	38.728	ng	100
24) Nitrobenzene	7.510	77	371931	40.403	ng	100
25) Isophorone	7.745	82	648362	39.546	ng	100
26) 2-Nitrophenol	7.828	139	185255	41.084	ng	100
27) 2,4-Dimethylphenol	7.863	122	281983	40.116	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	402757	39.973	ng	100
29) 2,4-Dichlorophenol	8.075	162	301002	40.095	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	305107	39.529	ng	100
31) Naphthalene	8.234	128	984671	39.296	ng	100
32) Benzoic acid	7.981	122	151495	39.150	ng	100
33) 4-Chloroaniline	8.281	127	357854	40.237	ng	100
34) Hexachlorobutadiene	8.351	225	200199	39.756	ng	100
35) Caprolactam	8.651	113	73867	41.004	ng	100
36) 4-Chloro-3-methylphenol	8.763	107	300101	39.889	ng	100
37) 2-Methylnaphthalene	8.922	142	660885	39.489	ng	100
38) 1-Methylnaphthalene	9.022	142	629141	39.300	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	319789	39.526	ng	100
41) Hexachlorocyclopentadiene	9.081	237	112053	39.218	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	206042	41.387	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143481.D
Acq On : 20 Aug 2025 12:53
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 20 16:23:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

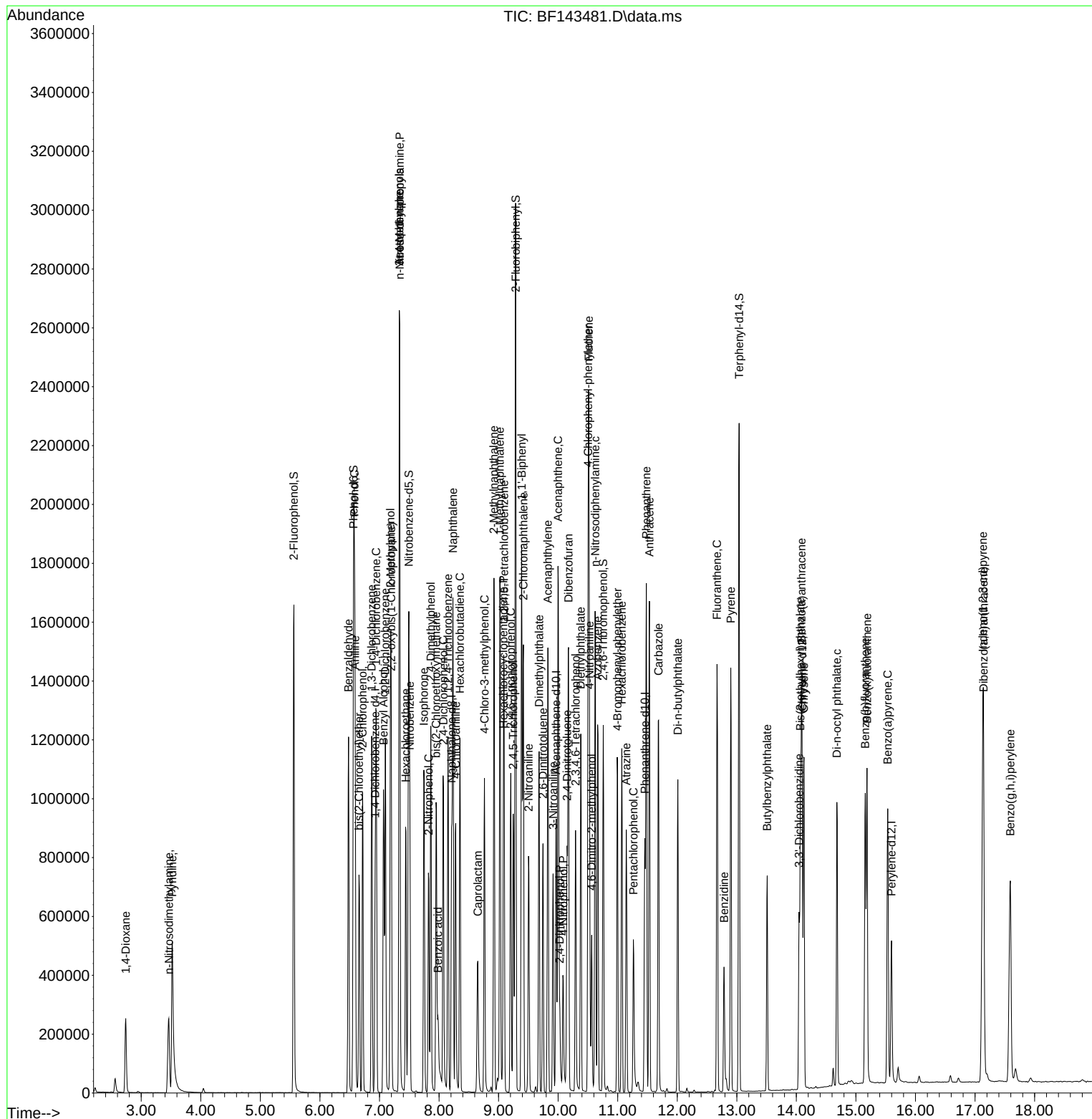
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	216152	39.748	ng	100
46) 1,1'-Biphenyl	9.386	154	791238	39.412	ng	100
47) 2-Chloronaphthalene	9.416	162	625355	39.699	ng	100
48) 2-Nitroaniline	9.504	65	190564	41.336	ng	100
49) Acenaphthylene	9.828	152	893624	39.620	ng	100
50) Dimethylphthalate	9.681	163	679389	39.881	ng	100
51) 2,6-Dinitrotoluene	9.745	165	146703	41.551	ng	100
52) Acenaphthene	9.998	154	608648	39.745	ng	100
53) 3-Nitroaniline	9.916	138	157042	41.163	ng	100
54) 2,4-Dinitrophenol	10.028	184	67793	38.822	ng	100
55) Dibenzofuran	10.175	168	861659	39.465	ng	100
56) 4-Nitrophenol	10.086	139	96926	42.699	ng	100
57) 2,4-Dinitrotoluene	10.151	165	198600	42.127	ng	100
58) Fluorene	10.516	166	654929	38.975	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	167834	41.542	ng	100
60) Diethylphthalate	10.380	149	613485	40.167	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	330692	39.350	ng	100
62) 4-Nitroaniline	10.528	138	145120	41.412	ng	100
63) Azobenzene	10.663	77	634664	40.076	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	103558	42.115	ng	100
66) n-Nitrosodiphenylamine	10.622	169	558998	39.830	ng	100
67) 4-Bromophenyl-phenylether	10.998	248	210081	40.374	ng	100
68) Hexachlorobenzene	11.069	284	224294	39.989	ng	100
69) Atrazine	11.145	200	146499	40.437	ng	100
70) Pentachlorophenol	11.263	266	108200	42.121	ng	100
71) Phenanthrene	11.480	178	906136	38.800	ng	100
72) Anthracene	11.533	178	936575	39.587	ng	100
73) Carbazole	11.686	167	769702	39.704	ng	100
74) Di-n-butylphthalate	12.010	149	741021	40.975	ng	100
75) Fluoranthene	12.669	202	825200	39.378	ng	100
77) Benzidine	12.786	184	258175	42.403	ng	100
78) Pyrene	12.898	202	817477	39.759	ng	100
80) Butylbenzylphthalate	13.510	149	233397	41.552	ng	100
81) Benzo(a)anthracene	14.086	228	658804	40.938	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	186301	40.425	ng	100
83) Chrysene	14.127	228	556527	38.482	ng	100
84) Bis(2-ethylhexyl)phtha...	14.068	149	354779	41.471	ng	100
85) Di-n-octyl phthalate	14.680	149	649137	40.959	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	835150	40.334	ng	100
88) Benzo(b)fluoranthene	15.157	252	618677	38.627	ng	100
89) Benzo(k)fluoranthene	15.186	252	623043	40.628	ng	100
90) Benzo(a)pyrene	15.533	252	594623	39.996	ng	100
91) Dibenzo(a,h)anthracene	17.145	278	669452	40.370	ng	100
92) Benzo(g,h,i)perylene	17.592	276	666442	40.417	ng	100

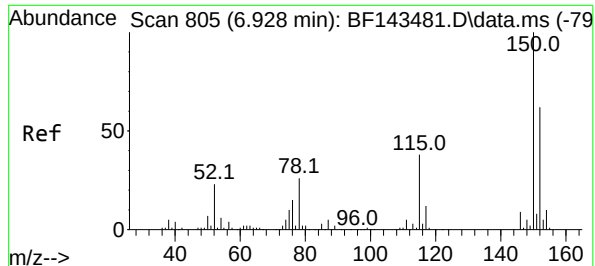
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143481.D
Acq On : 20 Aug 2025 12:53
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 20 16:23:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

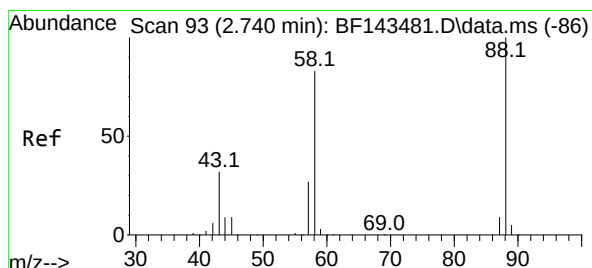
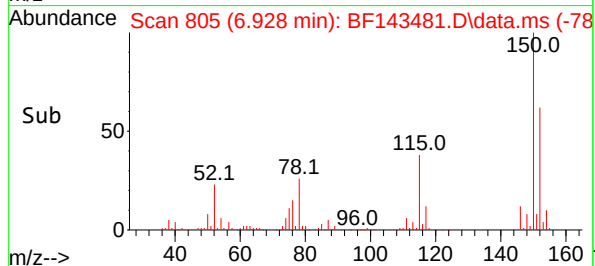
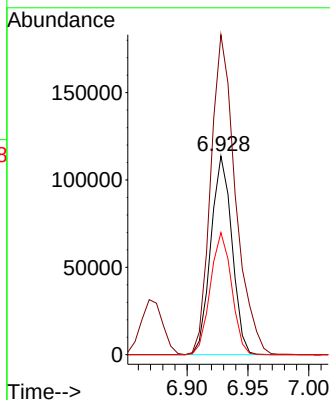
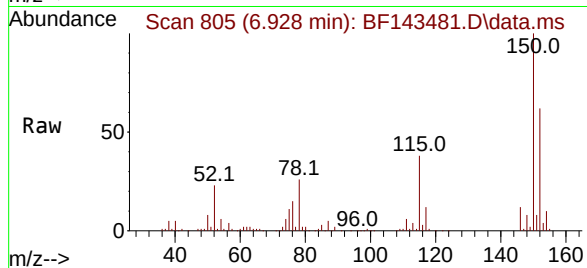




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

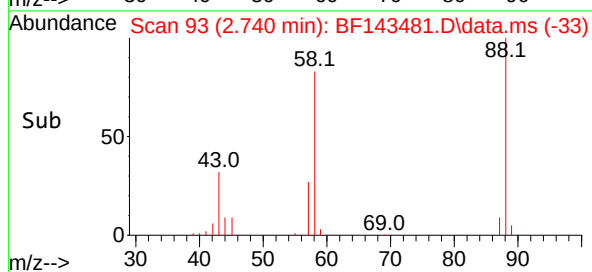
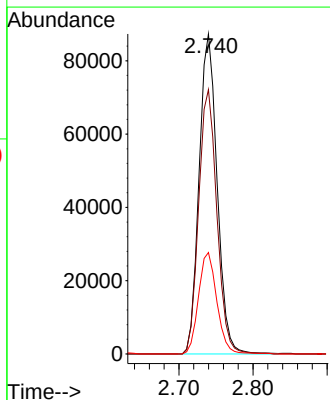
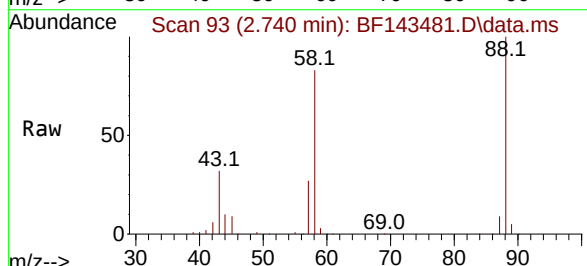
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

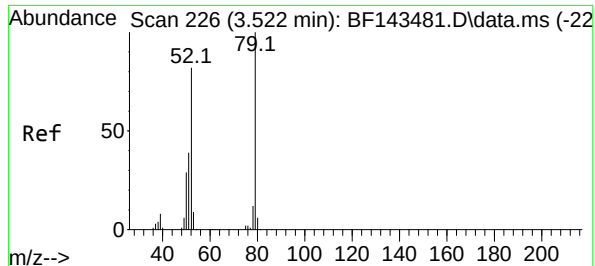
Tgt Ion:152 Resp: 137770
Ion Ratio Lower Upper
152 100
150 161.1 128.9 193.3
115 61.5 49.2 73.8



#2
1,4-Dioxane
Concen: 40.387 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 88 Resp: 147614
Ion Ratio Lower Upper
88 100
58 83.4 66.7 100.1
43 32.3 25.8 38.8





#3

Pyridine

Concen: 40.700 ng

RT: 3.522 min Scan# 216

Delta R.T. 0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

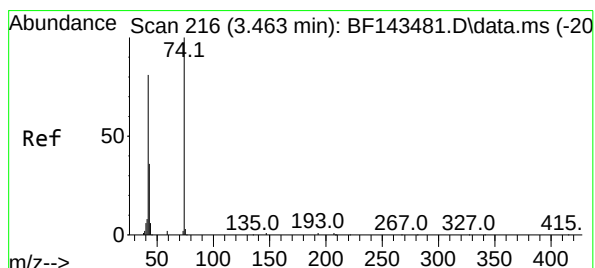
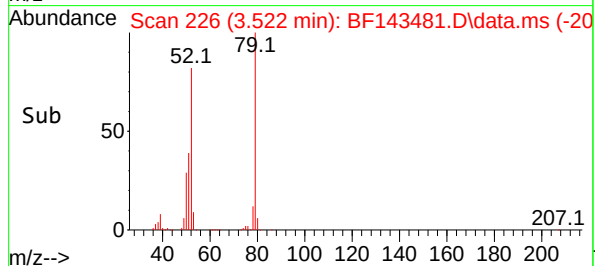
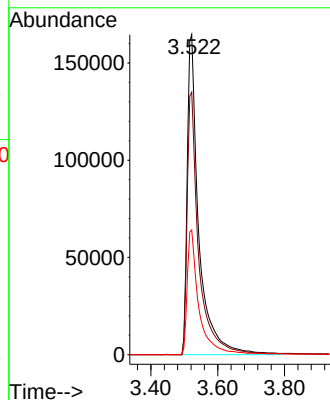
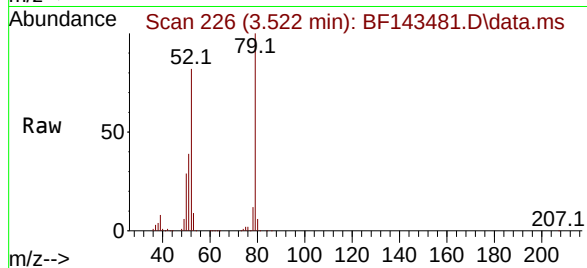
Tgt Ion: 79 Resp: 396205

Ion Ratio Lower Upper

79 100

52 82.0 65.6 98.4

51 39.0 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 40.383 ng

RT: 3.463 min Scan# 216

Delta R.T. -0.012 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

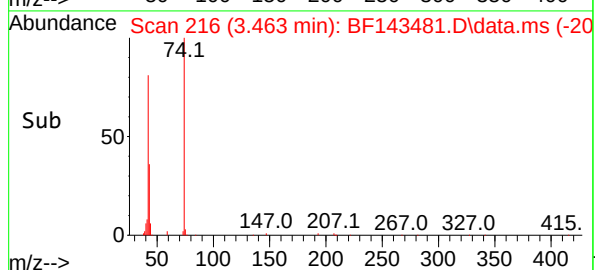
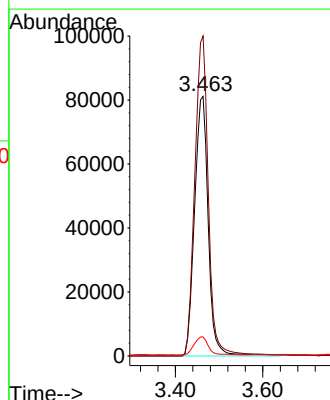
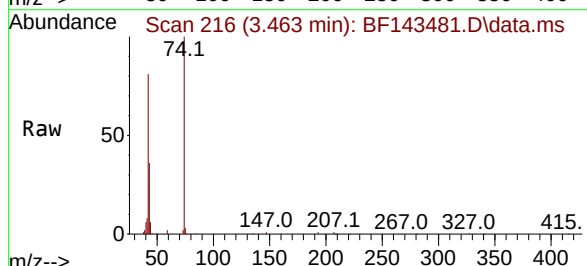
Tgt Ion: 42 Resp: 176726

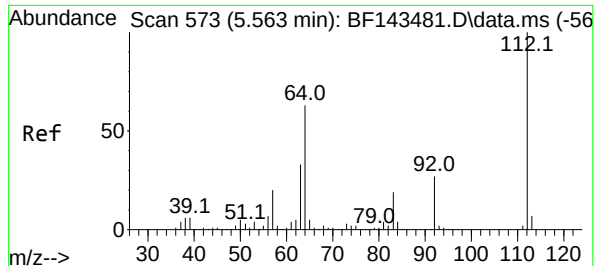
Ion Ratio Lower Upper

42 100

74 123.3 98.6 148.0

44 7.3 5.8 8.8





#5

2-Fluorophenol

Concen: 79.519 ng

RT: 5.563 min Scan# 51

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

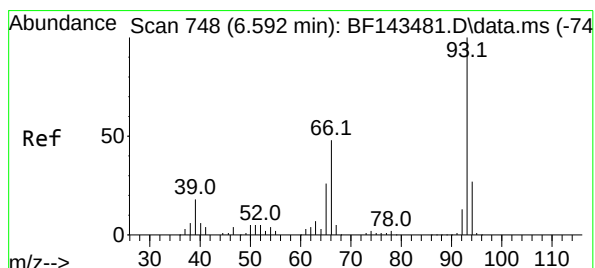
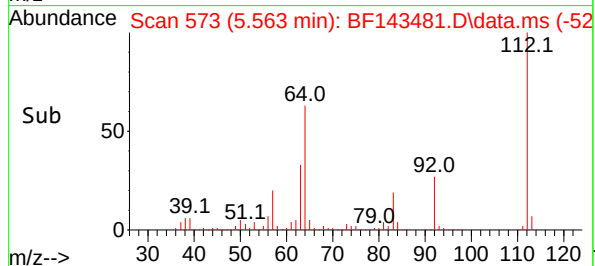
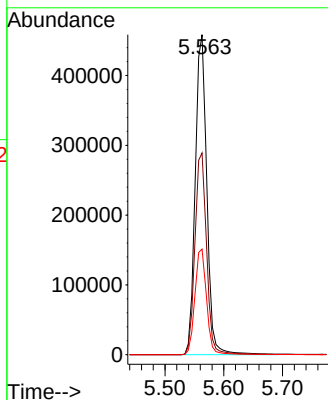
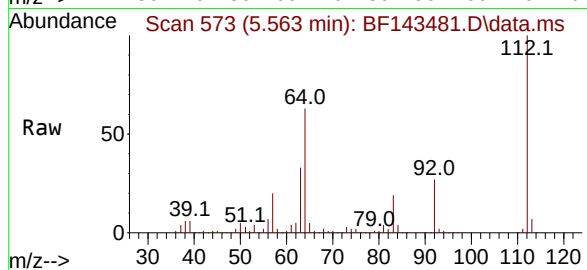
Tgt Ion:112 Resp: 627397

Ion Ratio Lower Upper

112 100

64 63.0 50.4 75.6

63 33.0 26.4 39.6



#6

Aniline

Concen: 40.010 ng

RT: 6.592 min Scan# 748

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

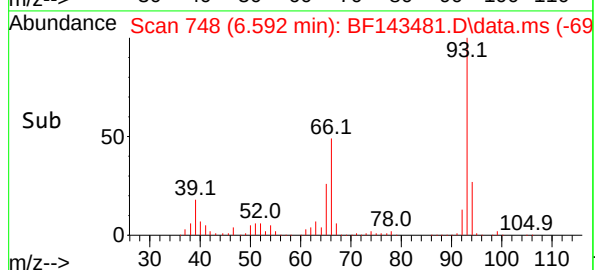
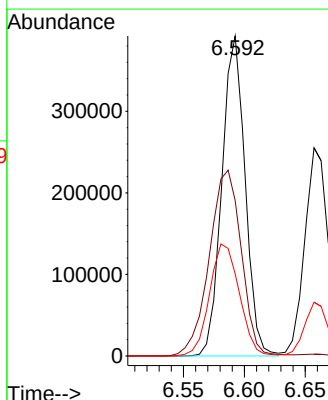
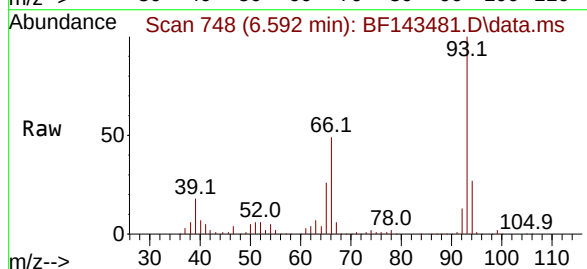
Tgt Ion: 93 Resp: 520870

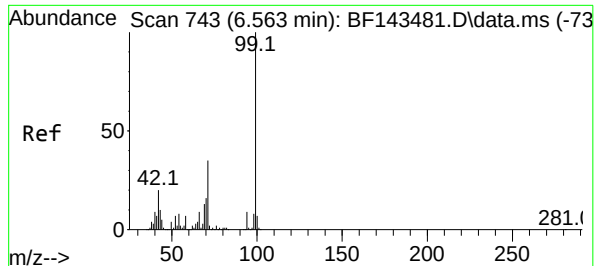
Ion Ratio Lower Upper

93 100

66 48.6 38.9 58.3

65 25.7 20.6 30.8

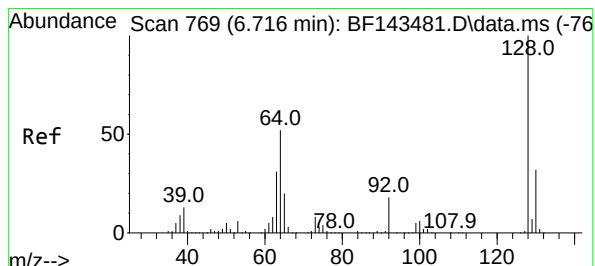
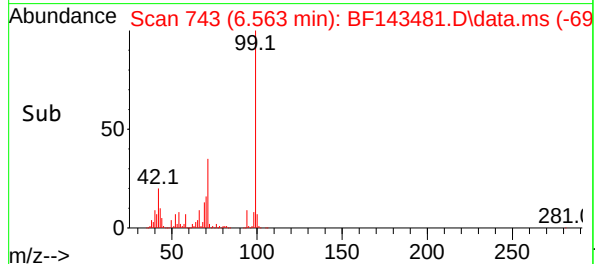
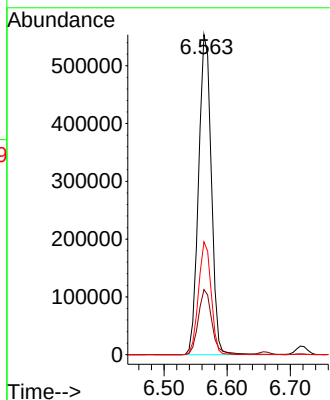
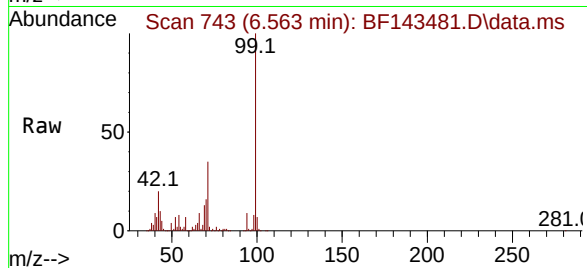




#7
Phenol-d6
Concen: 79.600 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

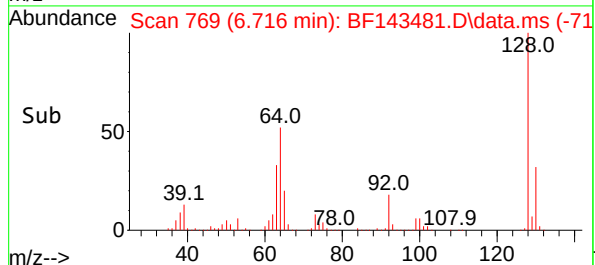
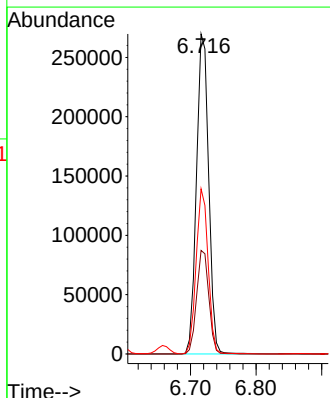
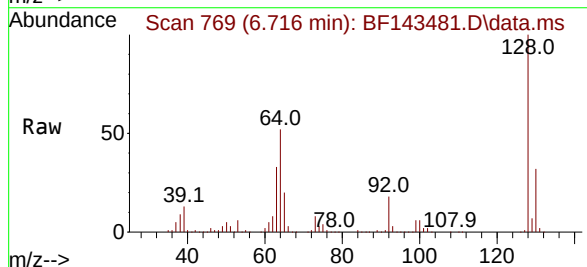
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

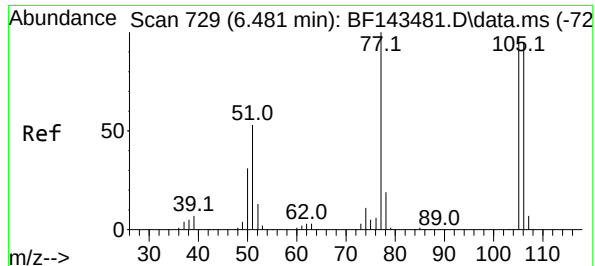
Tgt Ion: 99 Resp: 775270
Ion Ratio Lower Upper
99 100
42 20.4 16.3 24.5
71 35.2 28.2 42.2



#8
2-Chlorophenol
Concen: 40.086 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 128 Resp: 349331
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 51.6 31.6 71.6





#9

Benzaldehyde

Concen: 41.929 ng

RT: 6.481 min Scan# 729

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

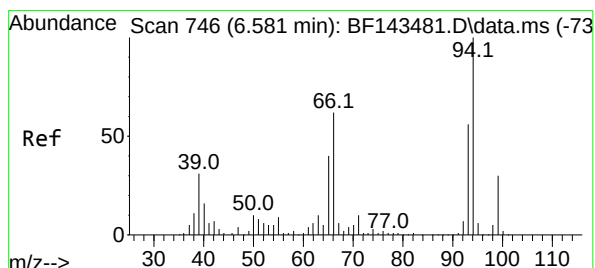
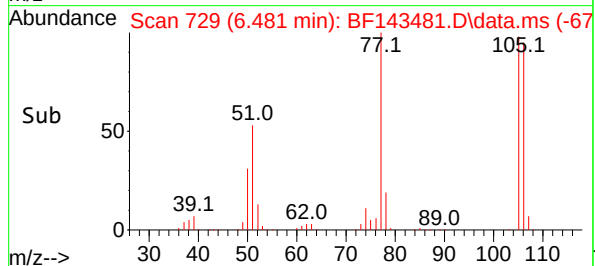
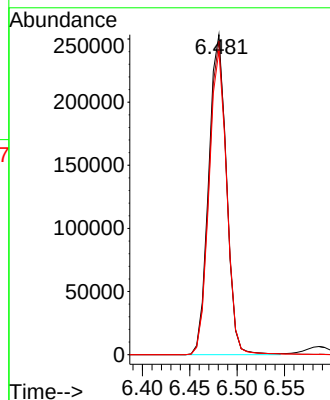
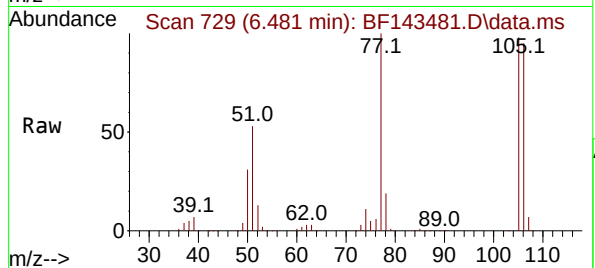
Tgt Ion: 77 Resp: 330624

Ion Ratio Lower Upper

77 100

105 98.1 78.1 118.1

106 94.9 74.9 114.9



#10

Phenol

Concen: 40.419 ng

RT: 6.581 min Scan# 746

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

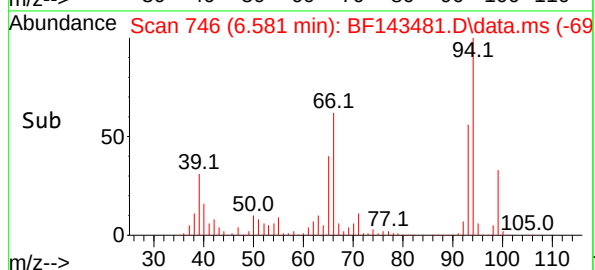
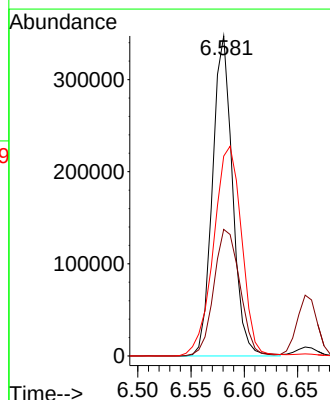
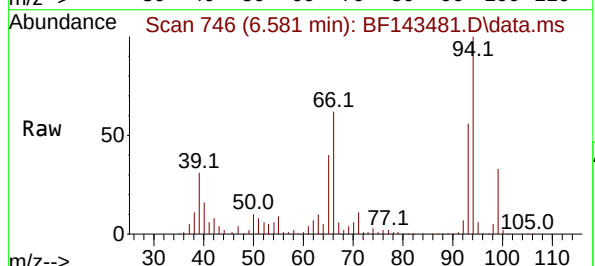
Tgt Ion: 94 Resp: 453508

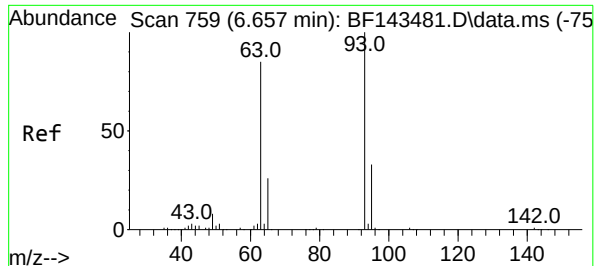
Ion Ratio Lower Upper

94 100

65 39.5 19.5 59.5

66 62.5 42.5 82.5





#11

bis(2-Chloroethyl)ether

Concen: 39.862 ng

RT: 6.657 min Scan# 759

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

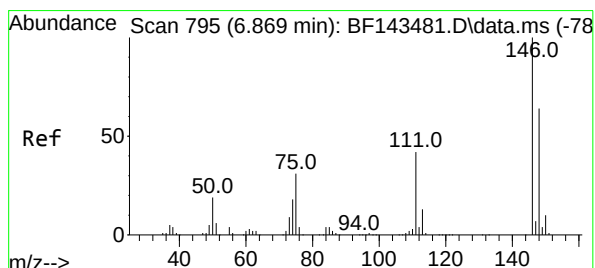
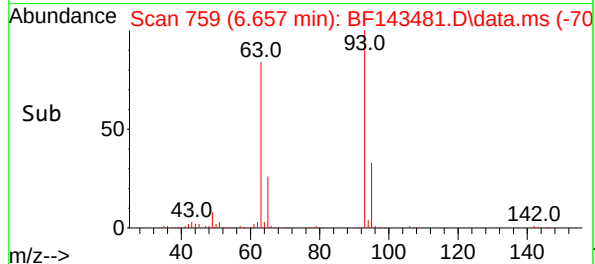
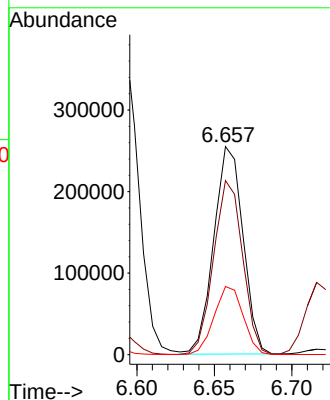
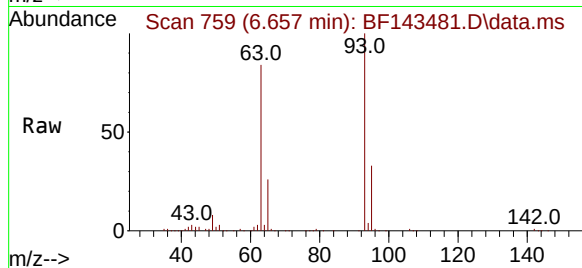
Tgt Ion: 93 Resp: 334229

Ion Ratio Lower Upper

93 100

63 83.6 63.6 103.6

95 32.8 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 39.778 ng

RT: 6.869 min Scan# 795

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

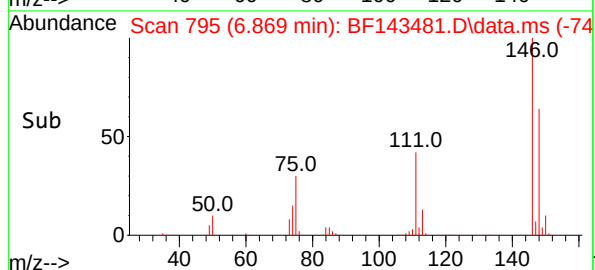
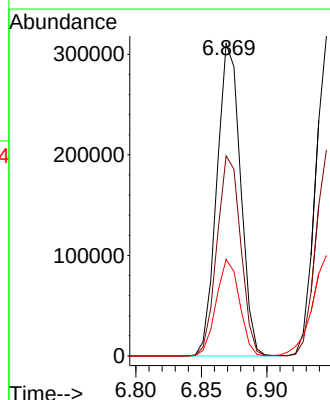
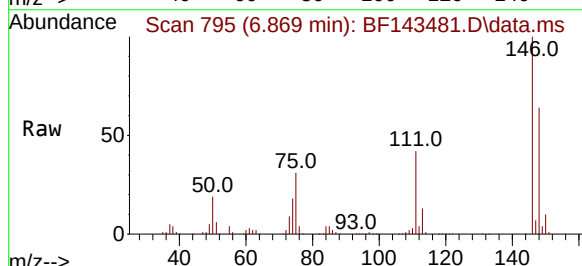
Tgt Ion: 146 Resp: 389485

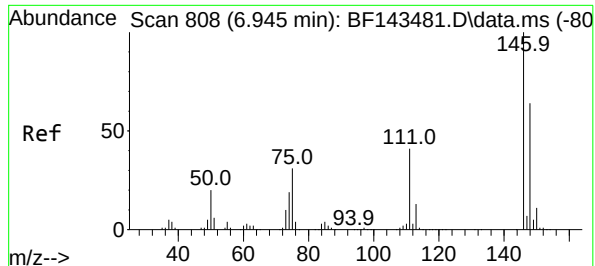
Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

75 30.9 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 39.581 ng

RT: 6.945 min Scan# 808

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

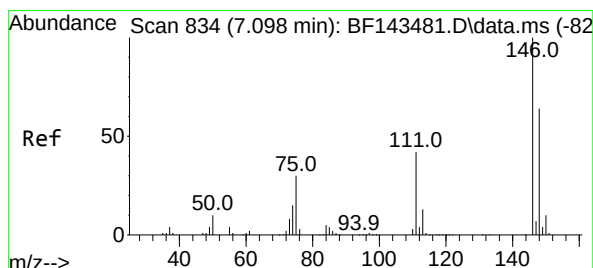
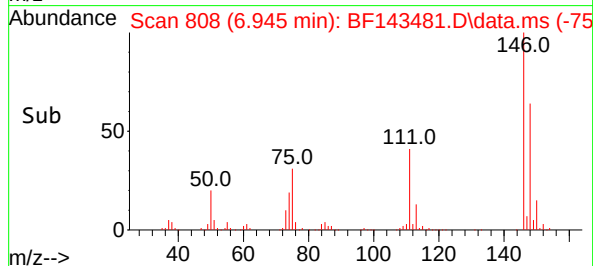
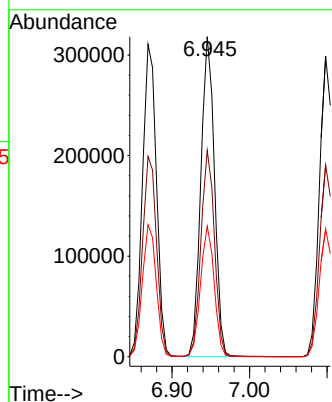
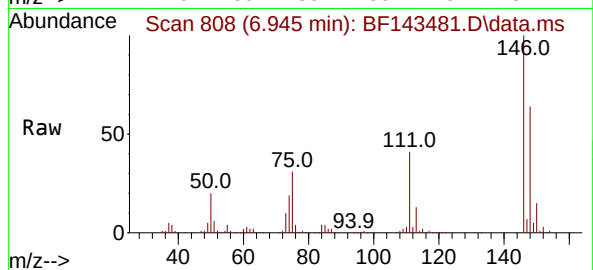
Tgt Ion:146 Resp: 388762

Ion Ratio Lower Upper

146 100

148 64.4 51.5 77.3

111 40.8 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 39.943 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

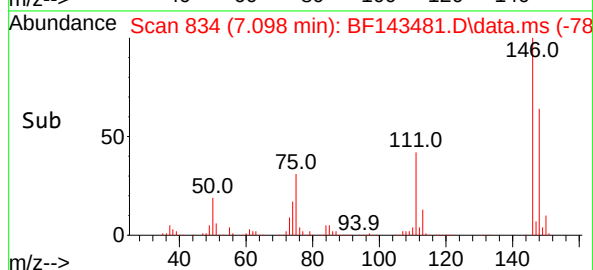
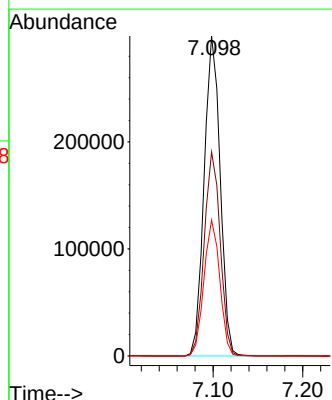
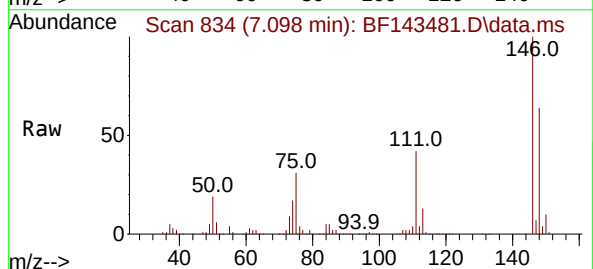
Tgt Ion:146 Resp: 371439

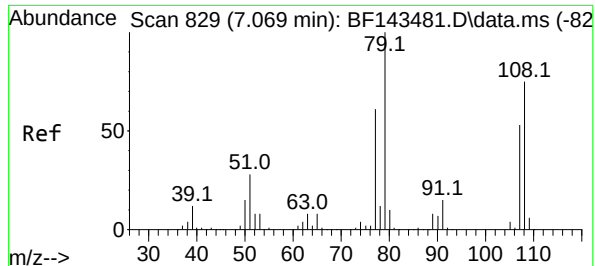
Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

111 42.5 34.0 51.0





#15

Benzyl Alcohol

Concen: 40.916 ng

RT: 7.069 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

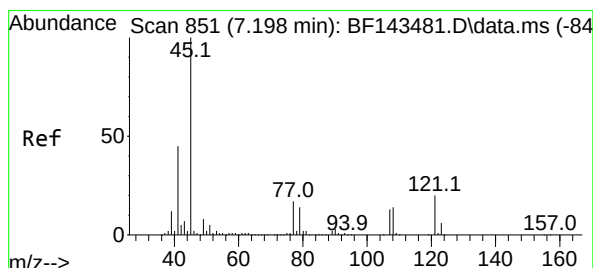
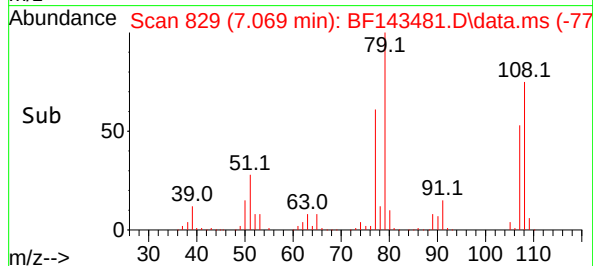
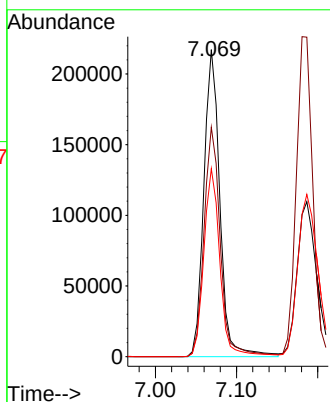
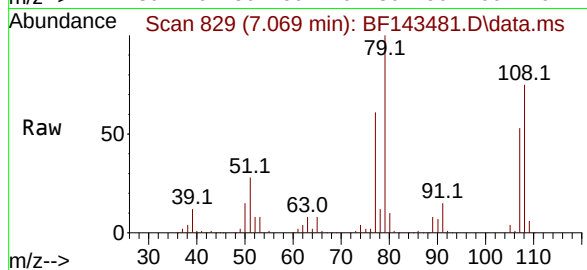
Tgt Ion: 79 Resp: 298360

Ion Ratio Lower Upper

79 100

108 74.7 59.8 89.6

77 61.2 49.0 73.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.131 ng

RT: 7.198 min Scan# 851

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

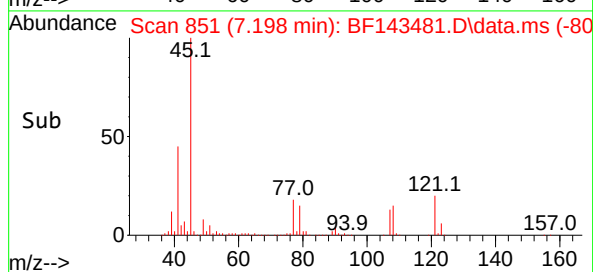
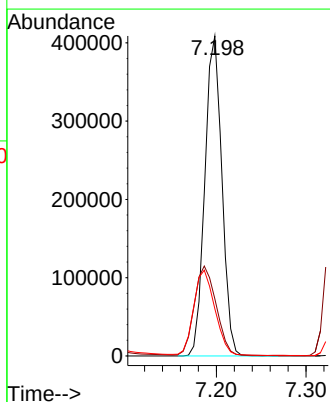
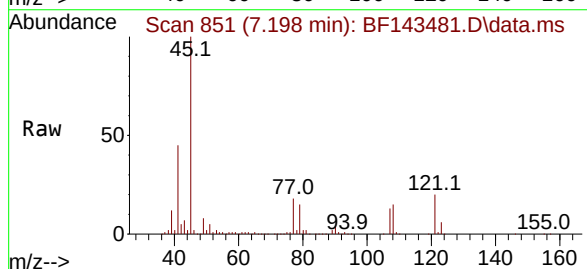
Tgt Ion: 45 Resp: 538319

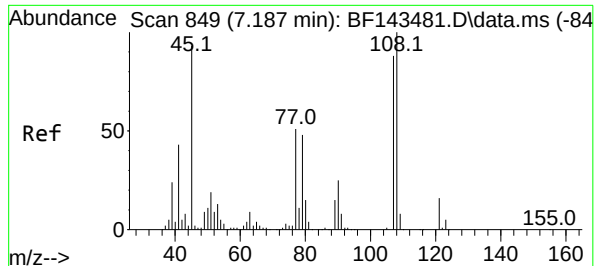
Ion Ratio Lower Upper

45 100

77 17.9 0.0 37.9

79 14.7 0.0 34.7

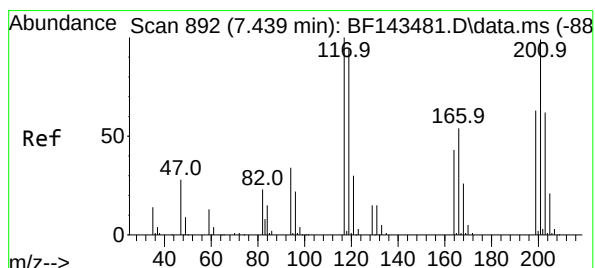
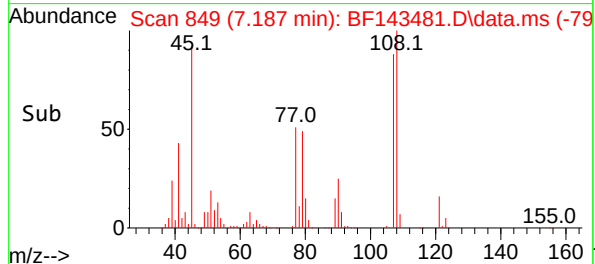
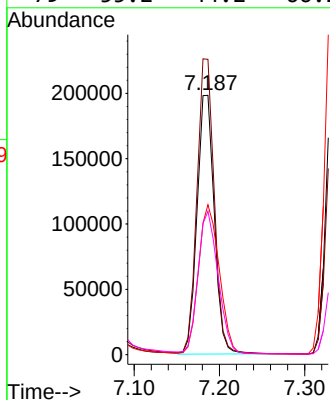
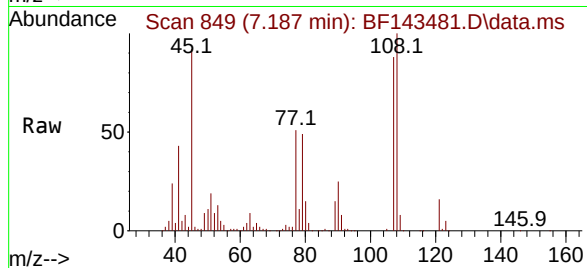




#17
2-Methylphenol
Concen: 39.844 ng
RT: 7.187 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

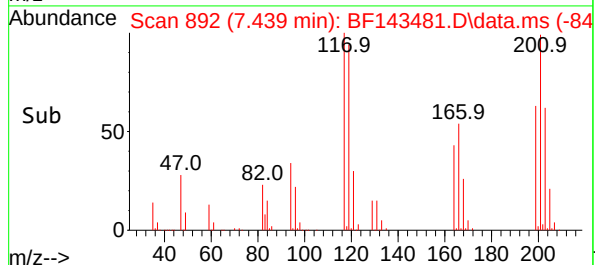
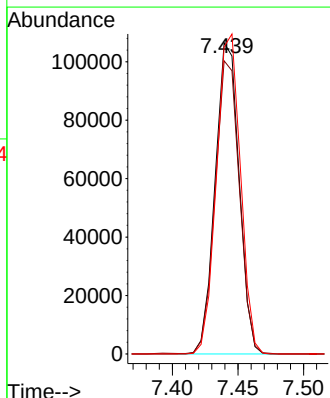
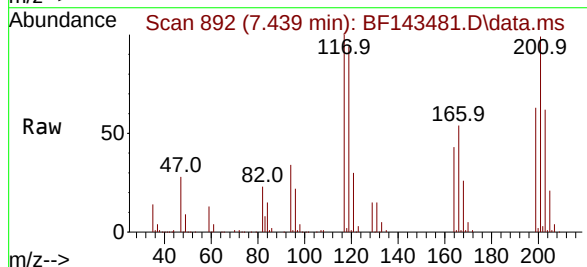
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

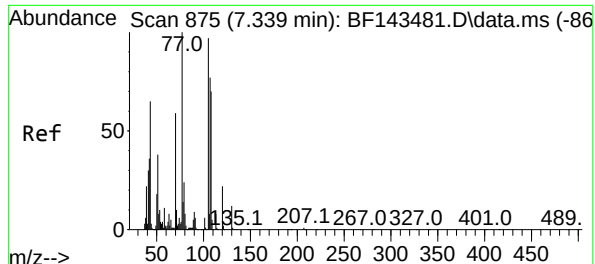
Tgt Ion:	107	Resp:	278676
Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.1	136.7
77	57.8	46.2	69.4
79	55.2	44.2	66.2



#18
Hexachloroethane
Concen: 40.503 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:	117	Resp:	135258
Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
201	98.7	79.0	118.4





#19

n-Nitroso-di-n-propylamine

Concen: 39.076 ng

RT: 7.339 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 232621

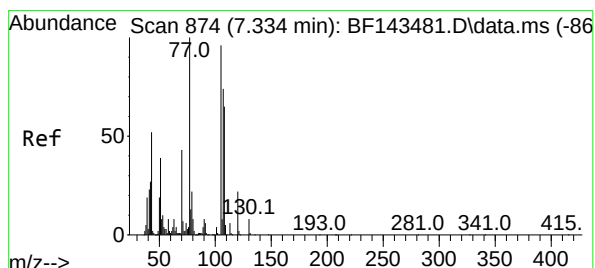
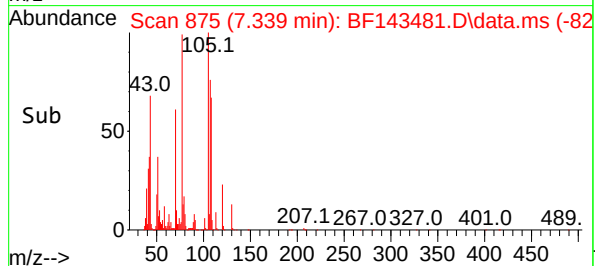
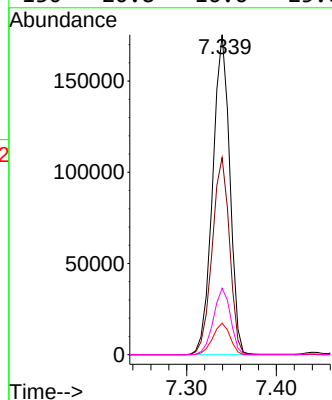
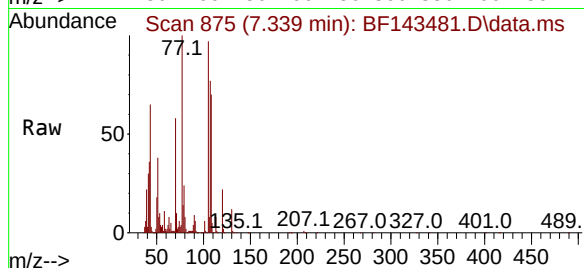
Ion Ratio Lower Upper

70 100

42 61.6 49.3 73.9

101 9.8 7.8 11.8

130 20.8 16.6 25.0



#20

3+4-Methylphenols

Concen: 40.179 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Tgt Ion: 107 Resp: 335474

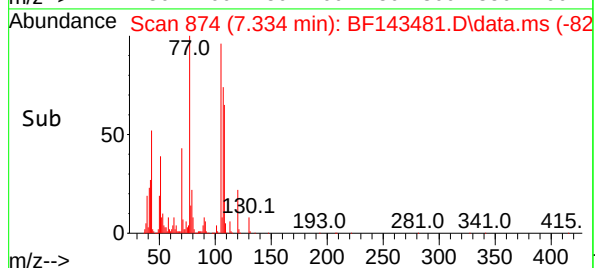
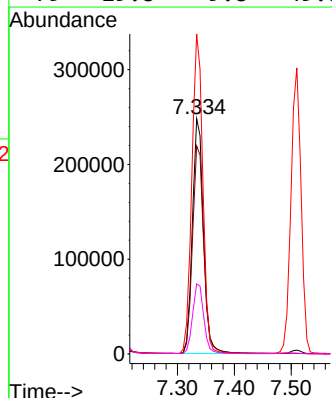
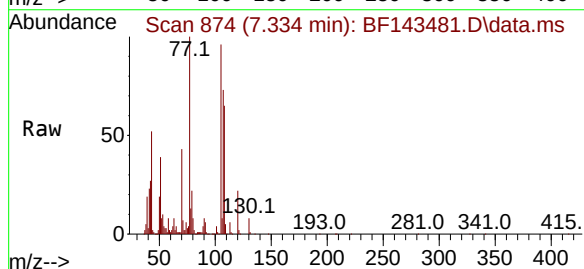
Ion Ratio Lower Upper

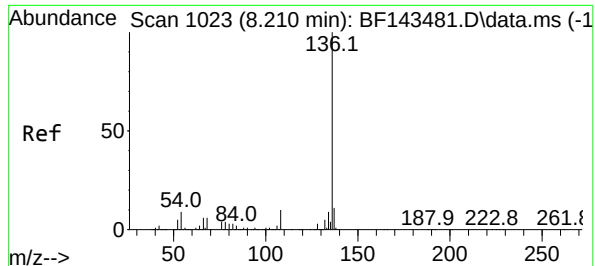
107 100

108 88.4 68.4 108.4

77 136.1 116.1 156.1

79 29.8 9.8 49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 521928

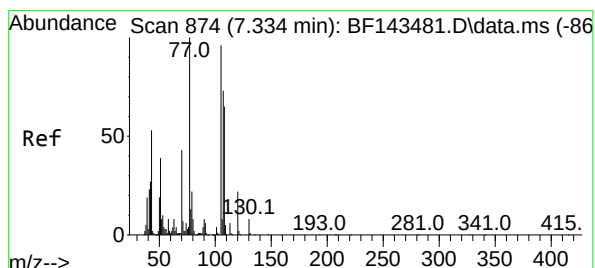
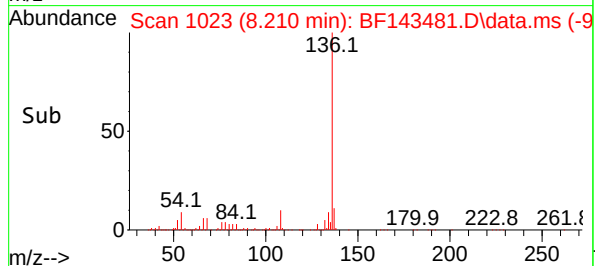
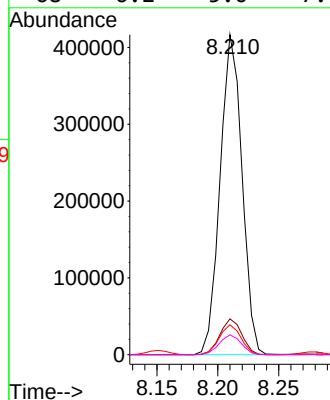
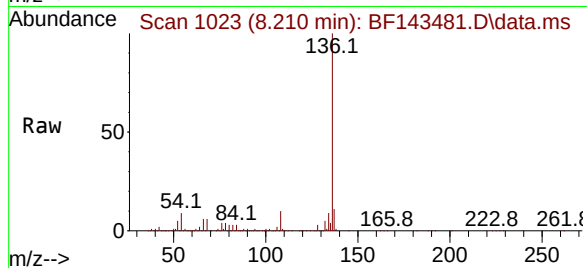
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 9.3 7.4 11.2

68 6.2 5.0 7.4



#22

Acetophenone

Concen: 38.728 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Tgt Ion:105 Resp: 436693

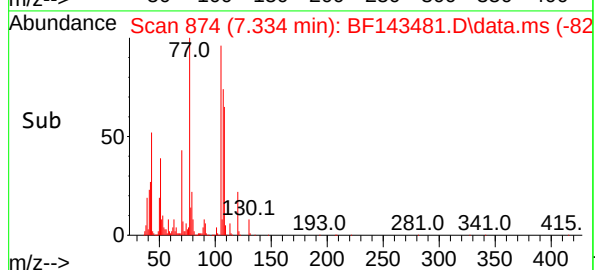
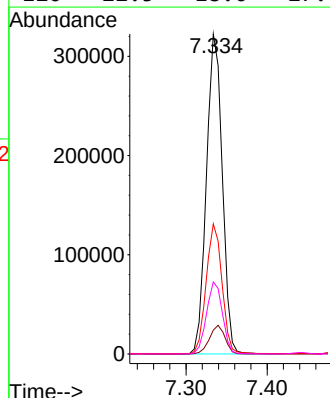
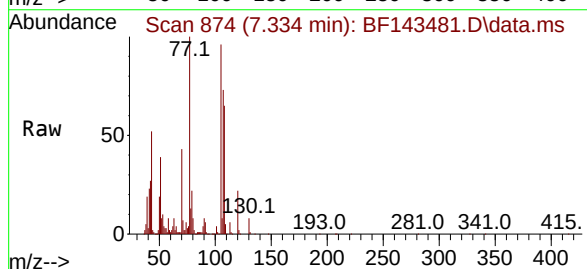
Ion Ratio Lower Upper

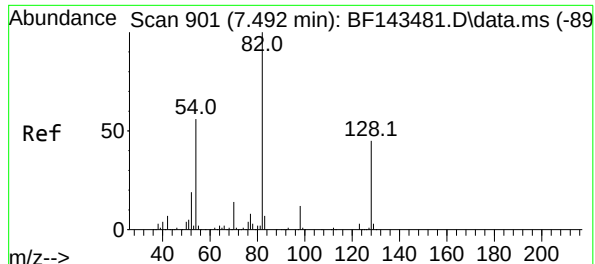
105 100

71 7.4 5.9 8.9

51 40.6 32.5 48.7

120 22.5 18.0 27.0





#23

Nitrobenzene-d5

Concen: 80.266 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

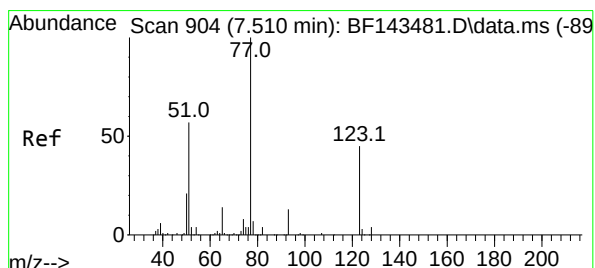
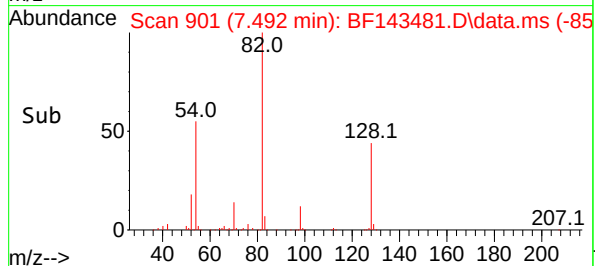
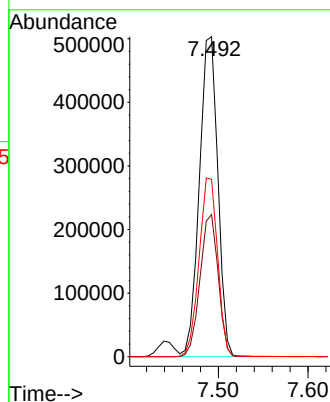
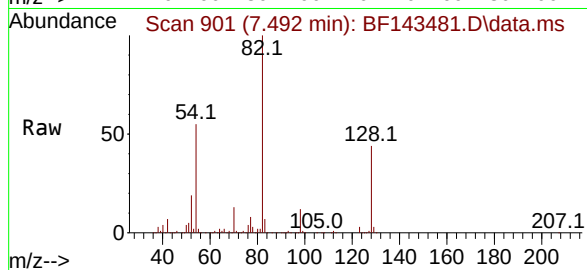
Tgt Ion: 82 Resp: 717900

Ion Ratio Lower Upper

82 100

128 44.4 35.5 53.3

54 55.4 44.3 66.5



#24

Nitrobenzene

Concen: 40.403 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

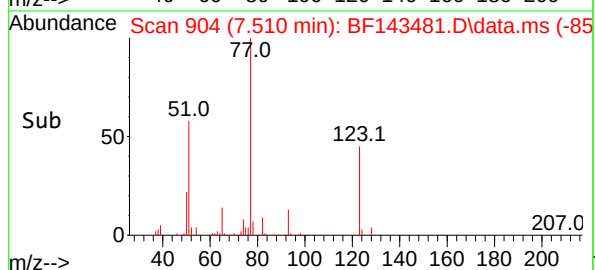
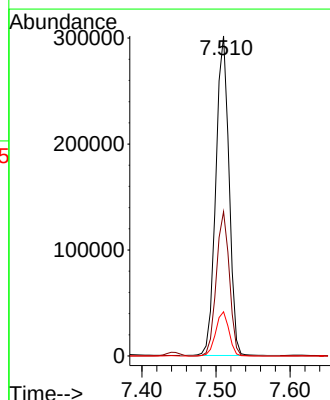
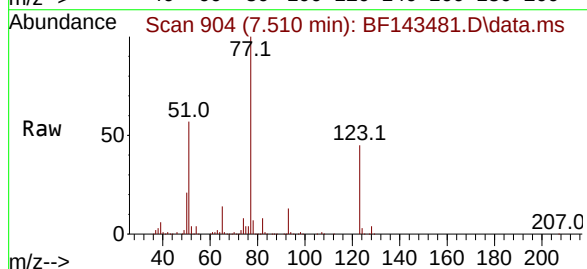
Tgt Ion: 77 Resp: 371931

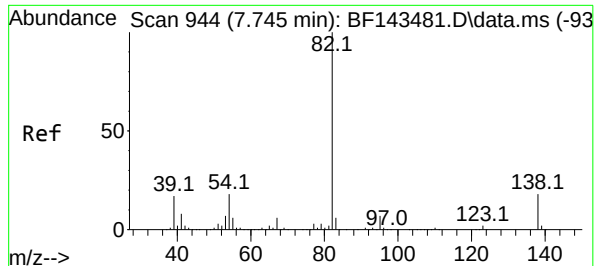
Ion Ratio Lower Upper

77 100

123 45.1 36.1 54.1

65 13.8 11.0 16.6





#25

Isophorone

Concen: 39.546 ng

RT: 7.745 min Scan# 944

Delta R.T. -0.012 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

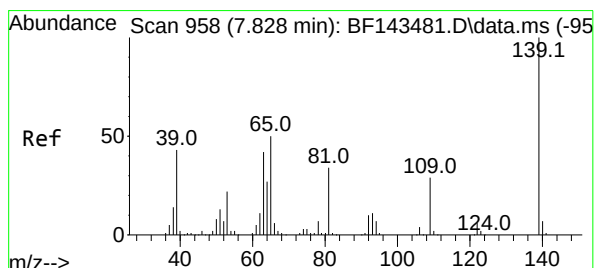
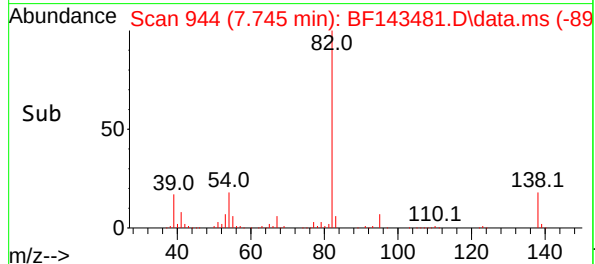
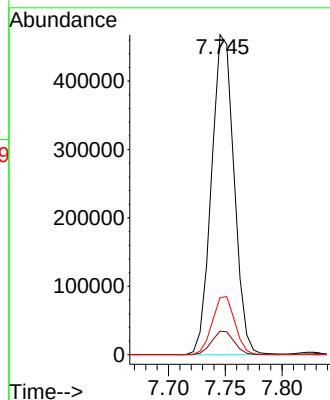
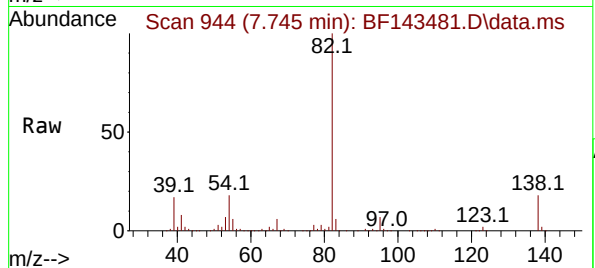
Tgt Ion: 82 Resp: 648362

Ion Ratio Lower Upper

82 100

95 7.3 5.8 8.8

138 17.8 14.2 21.4



#26

2-Nitrophenol

Concen: 41.084 ng

RT: 7.828 min Scan# 958

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

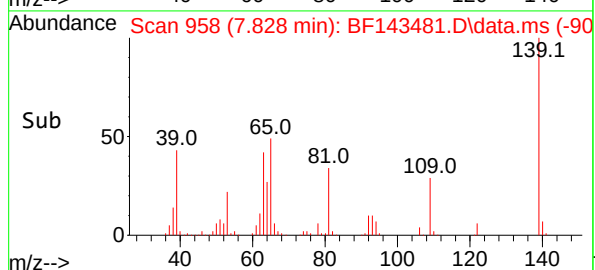
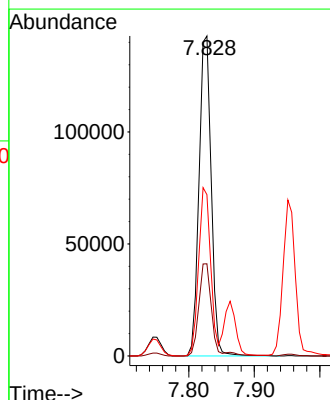
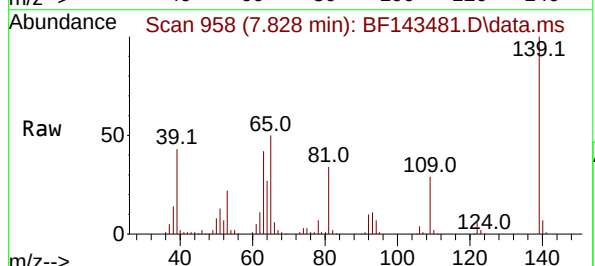
Tgt Ion: 139 Resp: 185255

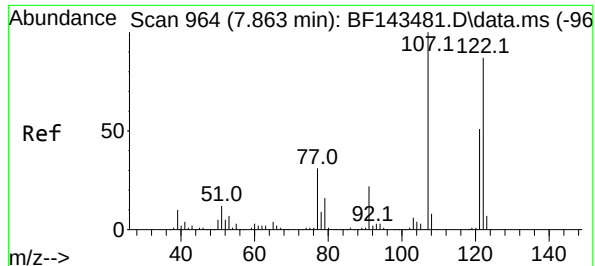
Ion Ratio Lower Upper

139 100

109 28.8 23.0 34.6

65 50.4 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 40.116 ng

RT: 7.863 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

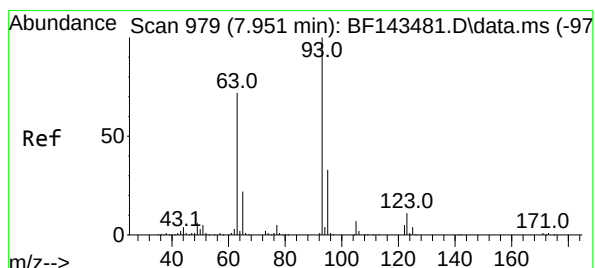
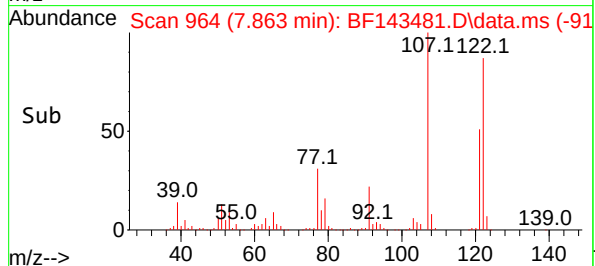
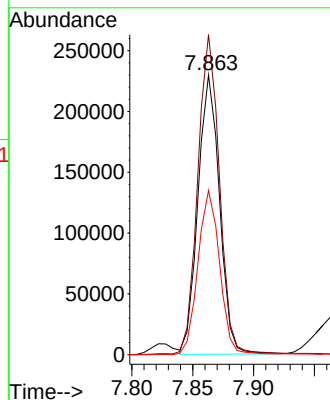
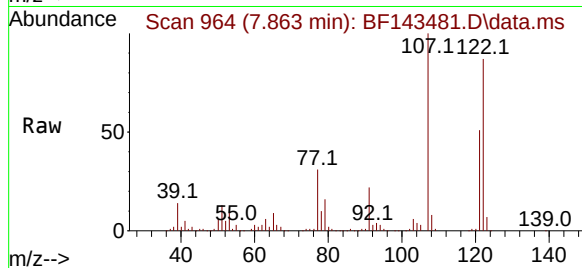
Tgt Ion:122 Resp: 281983

Ion Ratio Lower Upper

122 100

107 114.4 91.5 137.3

121 58.7 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.973 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

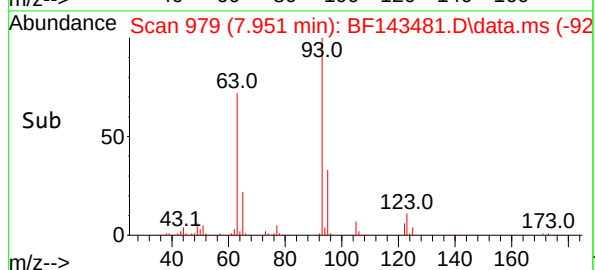
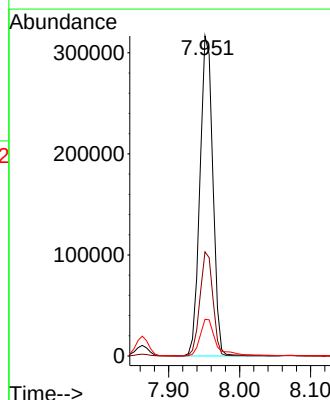
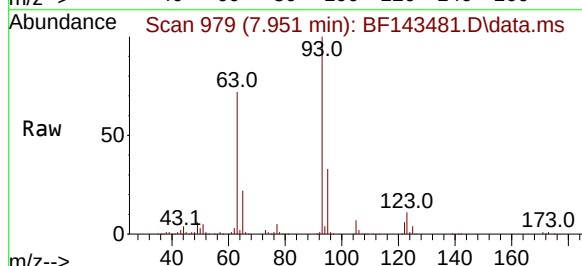
Tgt Ion: 93 Resp: 402757

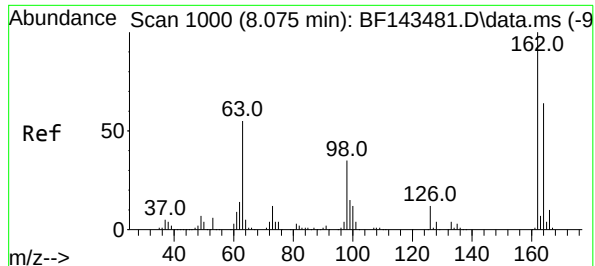
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 11.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 40.095 ng

RT: 8.075 min Scan# 1000

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

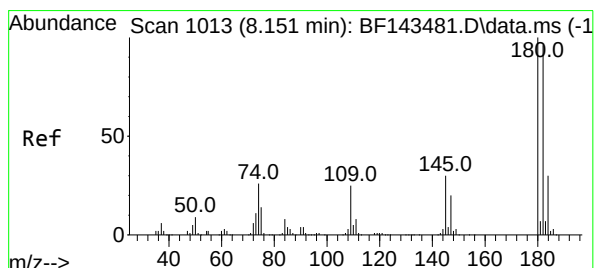
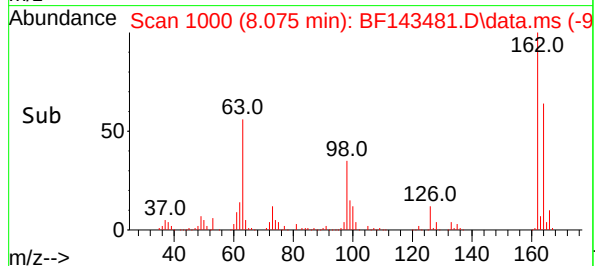
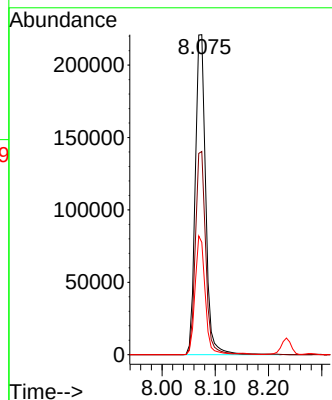
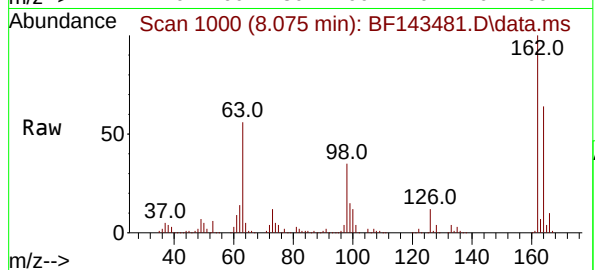
Tgt Ion:162 Resp: 301002

Ion Ratio Lower Upper

162 100

164 63.5 43.5 83.5

98 35.1 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 39.529 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

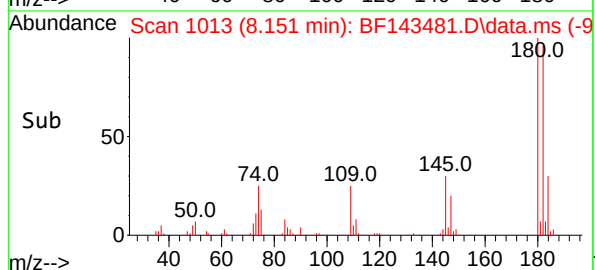
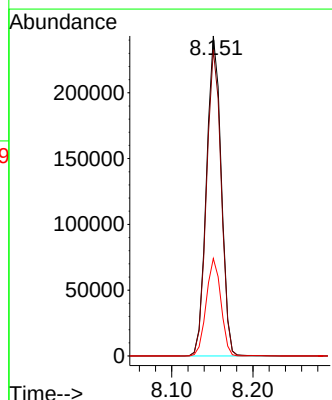
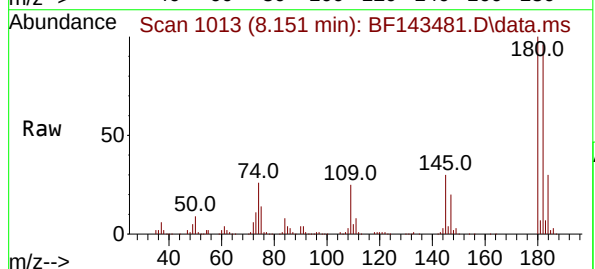
Tgt Ion:180 Resp: 305107

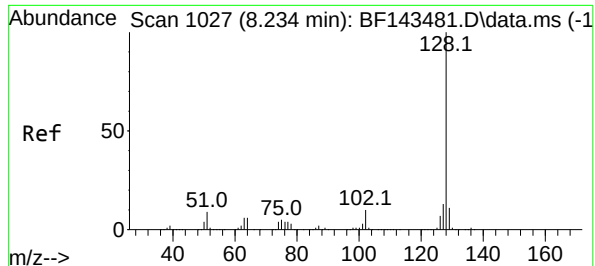
Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 30.4 24.3 36.5





#31

Naphthalene

Concen: 39.296 ng

RT: 8.234 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

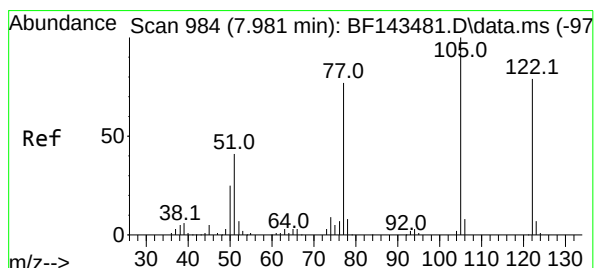
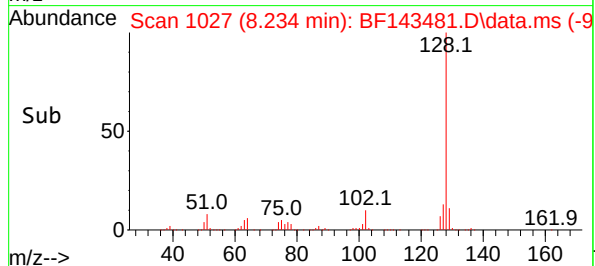
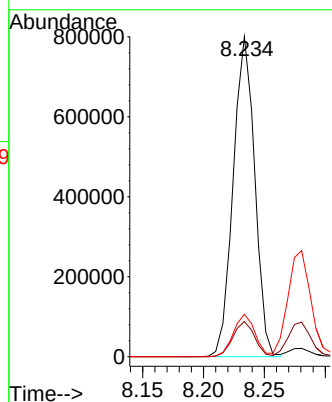
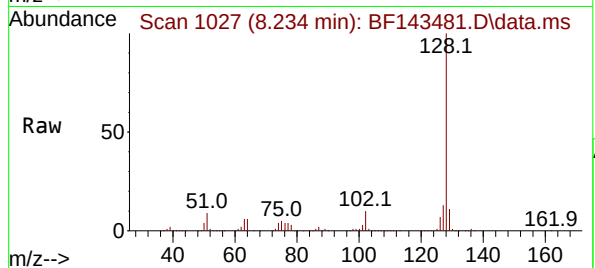
Tgt Ion:128 Resp: 984671

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 39.150 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.029 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

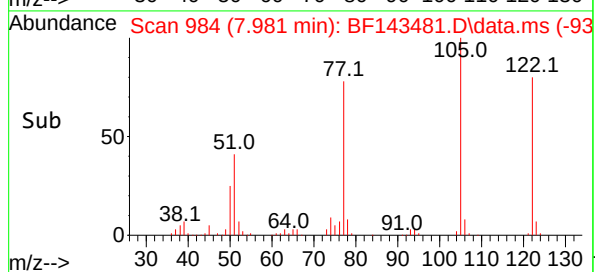
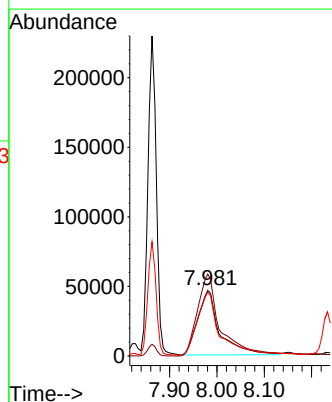
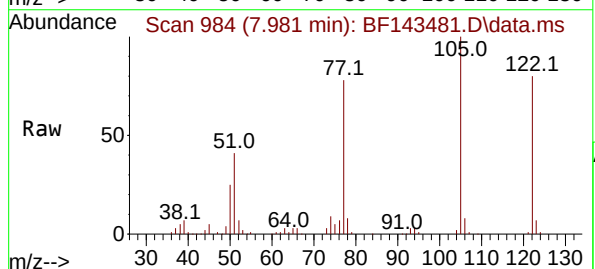
Tgt Ion:122 Resp: 151495

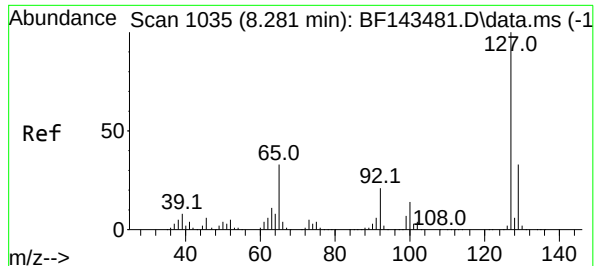
Ion Ratio Lower Upper

122 100

105 124.7 104.7 144.7

77 97.3 77.3 117.3





#33

4-Chloroaniline

Concen: 40.237 ng

RT: 8.281 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 357854

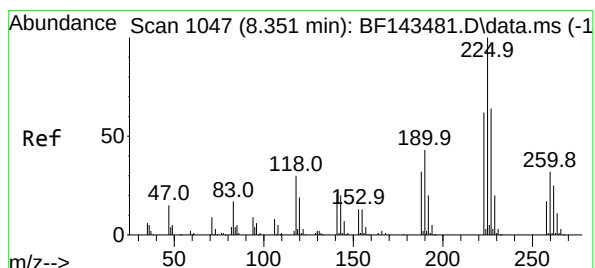
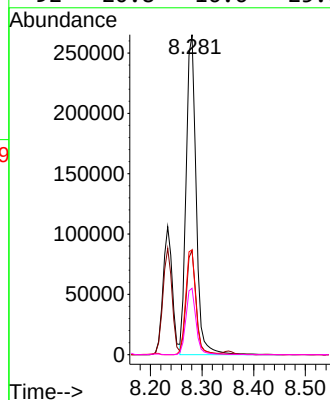
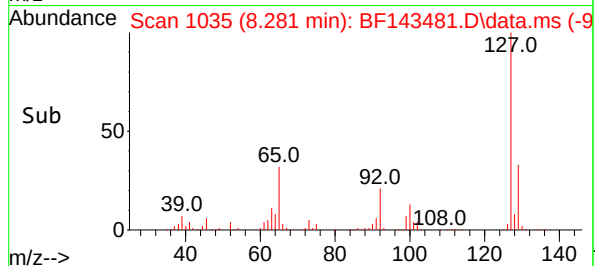
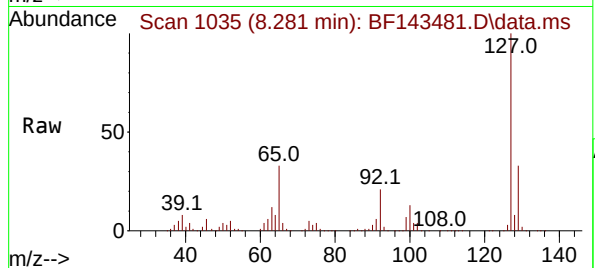
Ion Ratio Lower Upper

127 100

129 32.6 26.1 39.1

65 32.7 26.2 39.2

92 20.8 16.6 25.0



#34

Hexachlorobutadiene

Concen: 39.756 ng

RT: 8.351 min Scan# 1047

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

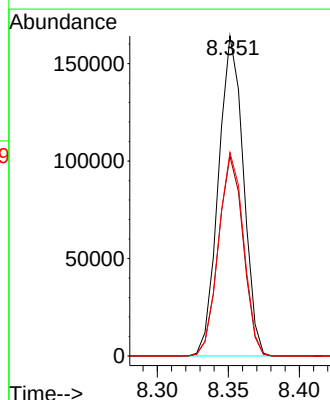
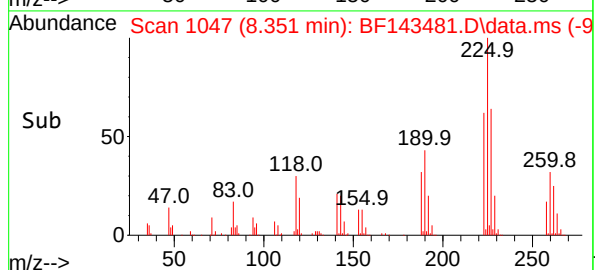
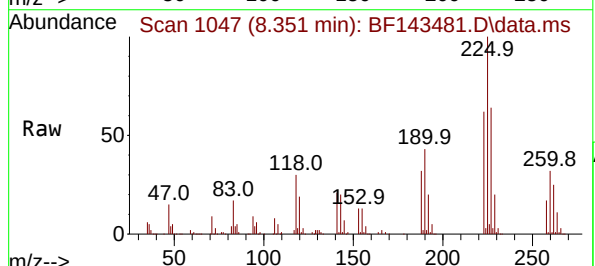
Tgt Ion:225 Resp: 200199

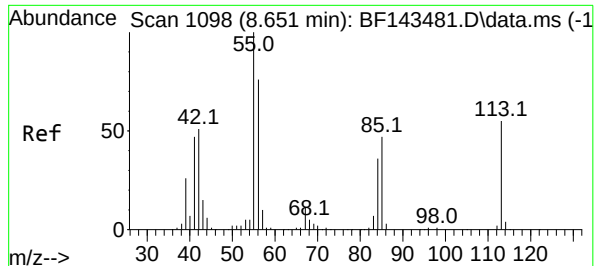
Ion Ratio Lower Upper

225 100

223 62.4 49.9 74.9

227 63.6 50.9 76.3





#35

Caprolactam

Concen: 41.004 ng

RT: 8.651 min Scan# 1109

Delta R.T. -0.024 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

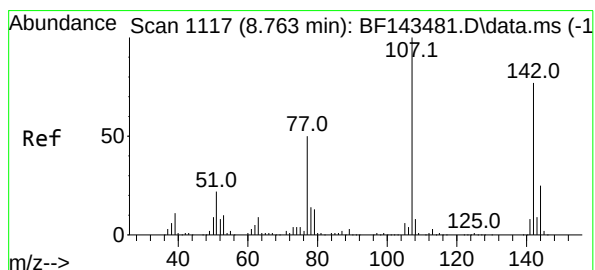
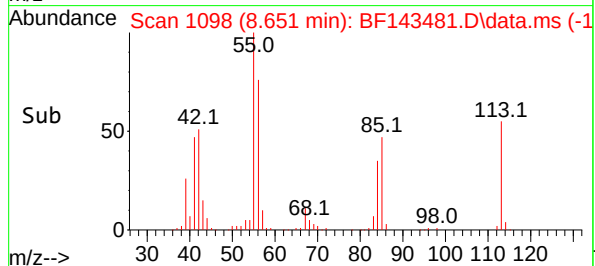
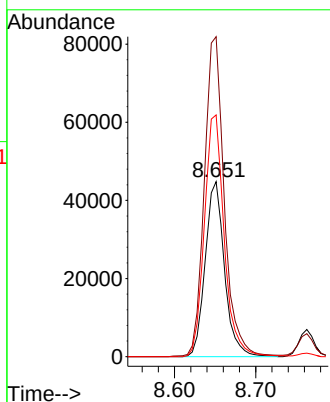
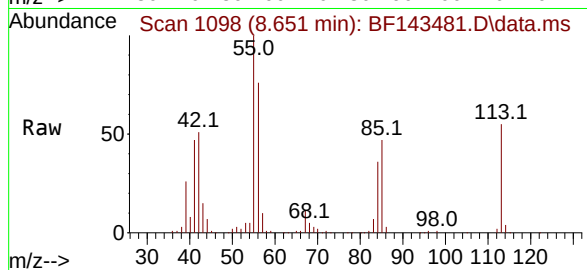
Tgt Ion:113 Resp: 73867

Ion Ratio Lower Upper

113 100

55 182.8 162.8 202.8

56 138.1 118.1 158.1



#36

4-Chloro-3-methylphenol

Concen: 39.889 ng

RT: 8.763 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

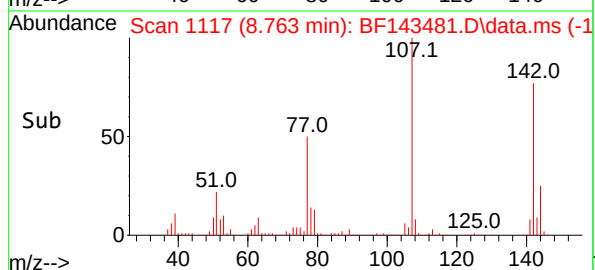
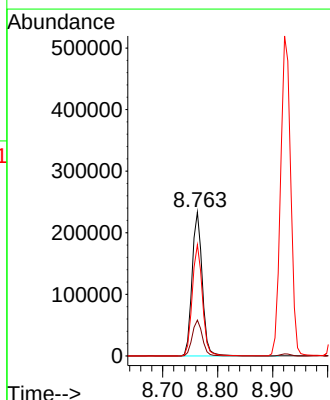
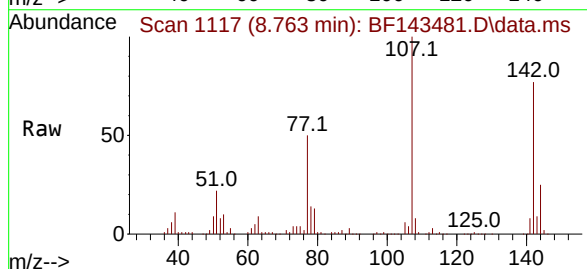
Tgt Ion:107 Resp: 300101

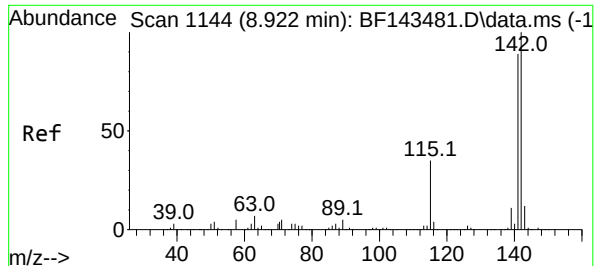
Ion Ratio Lower Upper

107 100

144 24.9 19.9 29.9

142 77.3 61.8 92.8





#37

2-Methylnaphthalene

Concen: 39.489 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

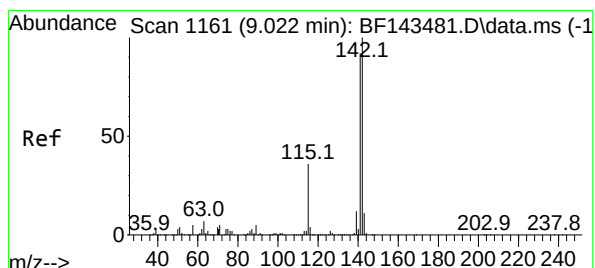
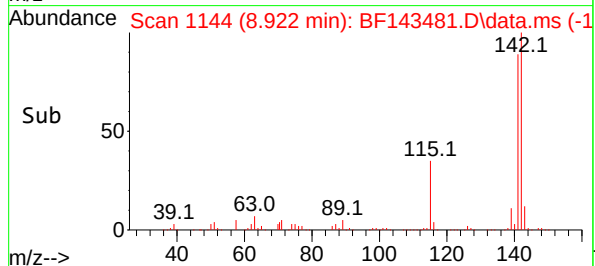
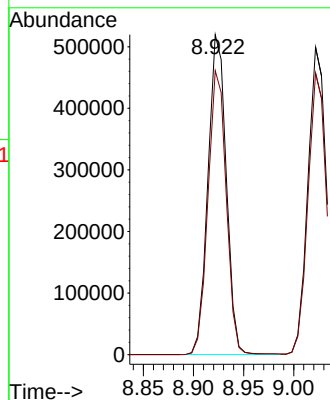
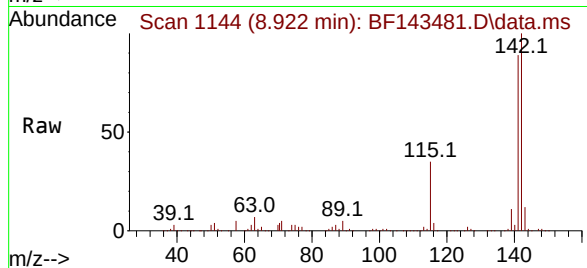
SSTDICCC040

Tgt Ion:142 Resp: 660885

Ion Ratio Lower Upper

142 100

141 88.7 71.0 106.4



#38

1-Methylnaphthalene

Concen: 39.300 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF143481.D

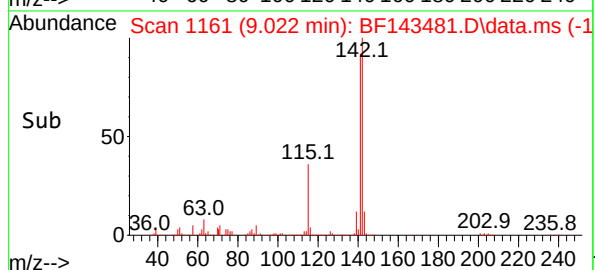
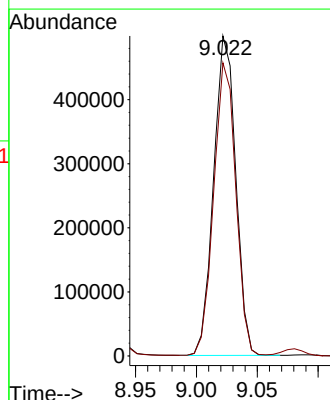
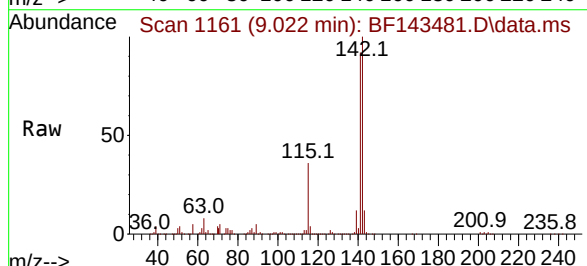
Acq: 20 Aug 2025 12:53

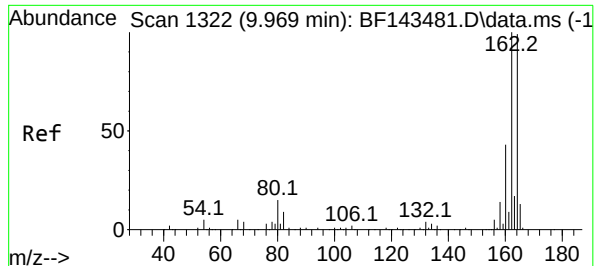
Tgt Ion:142 Resp: 629141

Ion Ratio Lower Upper

142 100

141 91.6 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

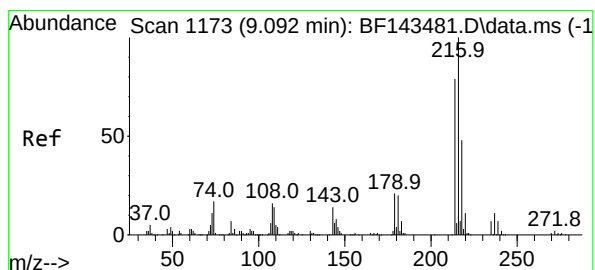
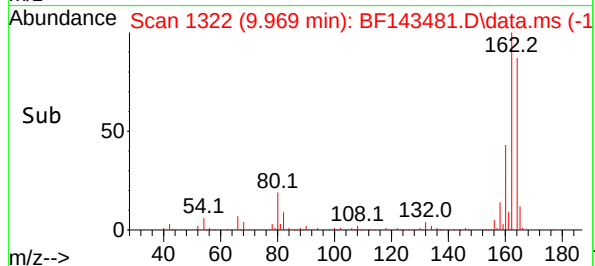
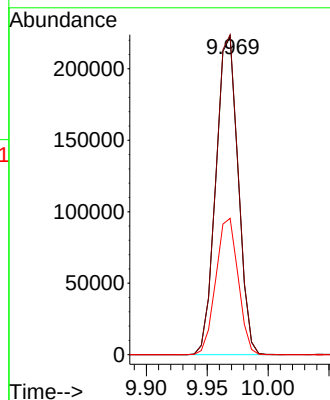
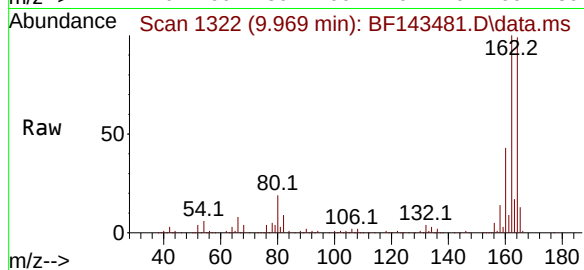
Tgt Ion:164 Resp: 282852

Ion Ratio Lower Upper

164 100

162 100.6 80.5 120.7

160 42.9 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.526 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Tgt Ion:216 Resp: 319789

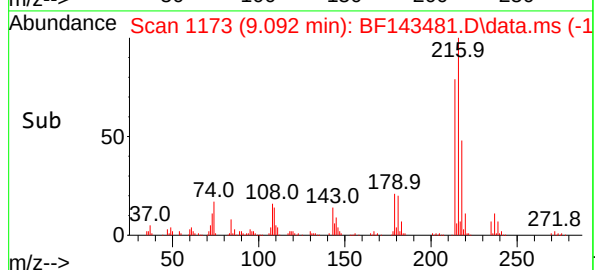
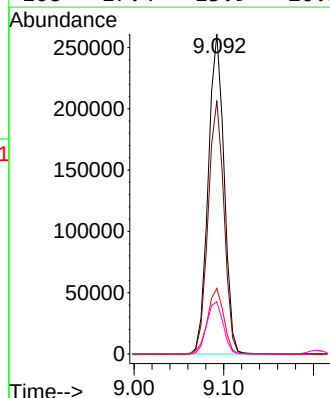
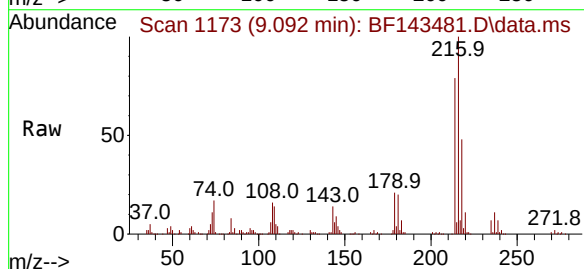
Ion Ratio Lower Upper

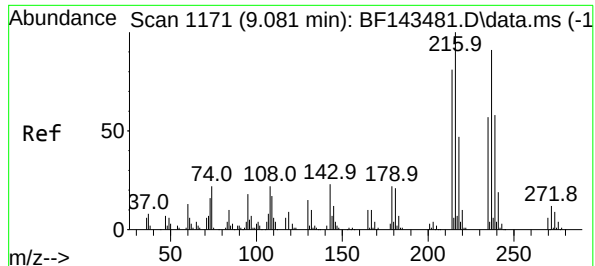
216 100

214 79.2 63.4 95.0

179 20.6 16.5 24.7

108 17.4 13.9 20.9

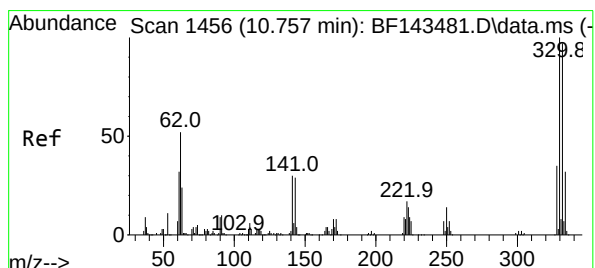
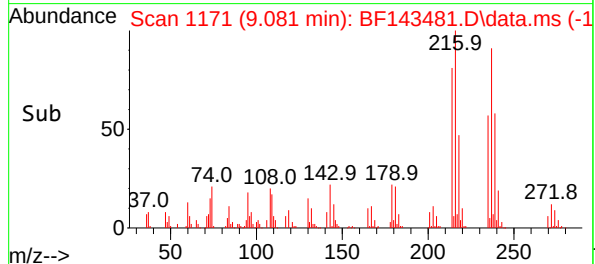
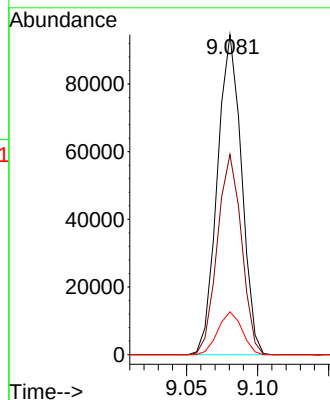
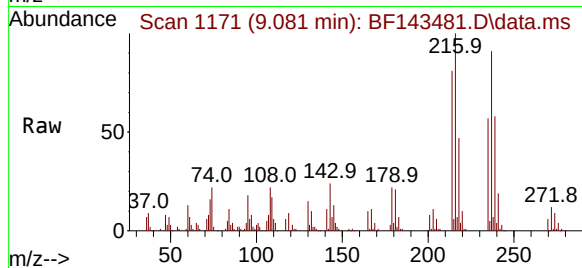




#41
Hexachlorocyclopentadiene
Concen: 39.218 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

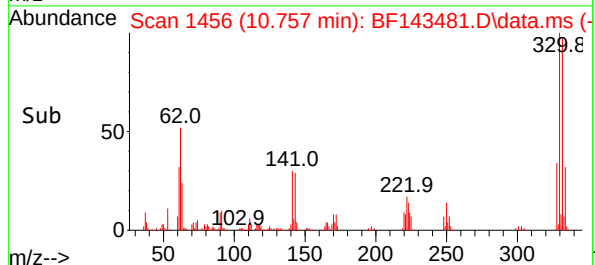
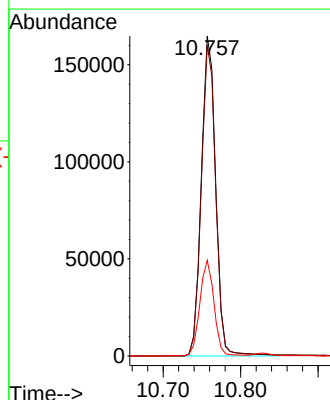
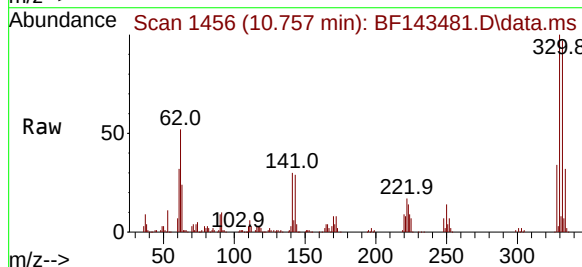
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

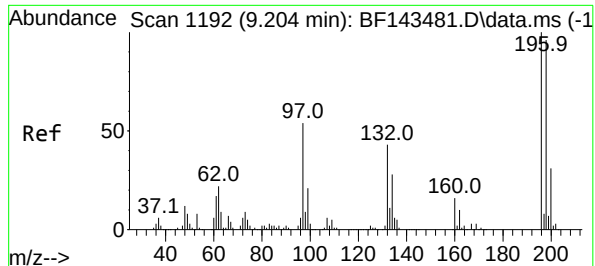
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.6	42.6	82.6
272	13.4	0.0	33.4



#42
2,4,6-Tribromophenol
Concen: 80.744 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	29.6	23.7	35.5





#43

2,4,6-Trichlorophenol

Concen: 41.387 ng

RT: 9.204 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

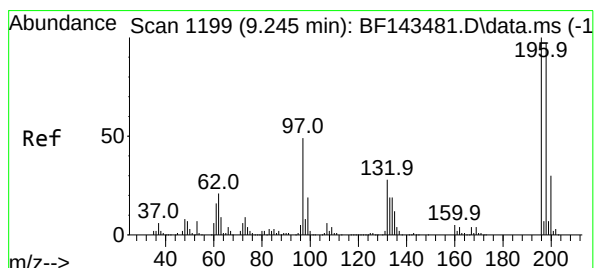
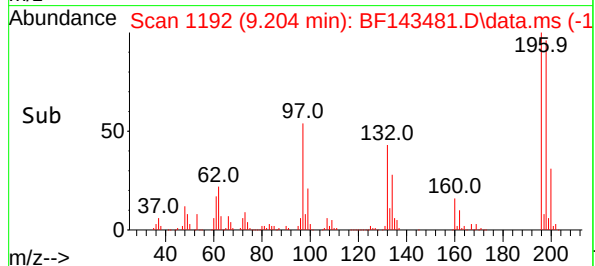
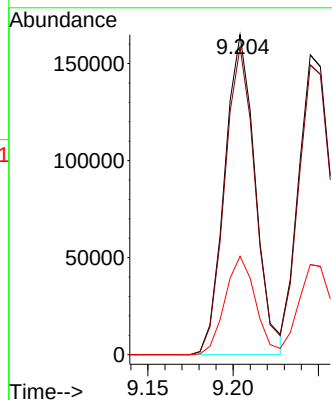
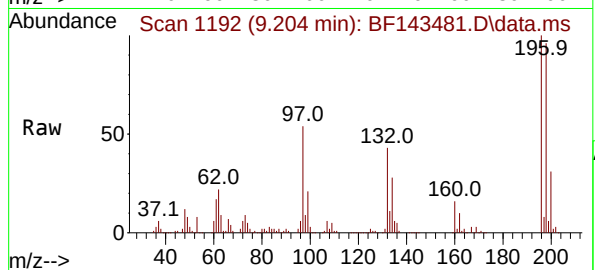
Tgt Ion:196 Resp: 206042

Ion Ratio Lower Upper

196 100

198 96.2 77.0 115.4

200 30.8 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 39.748 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Tgt Ion:196 Resp: 216152

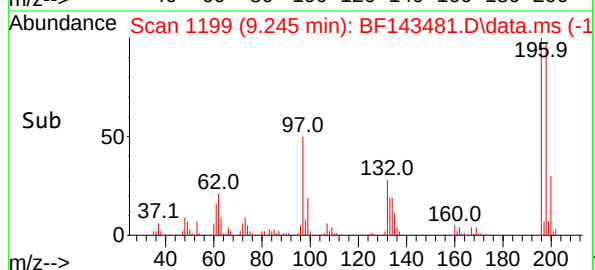
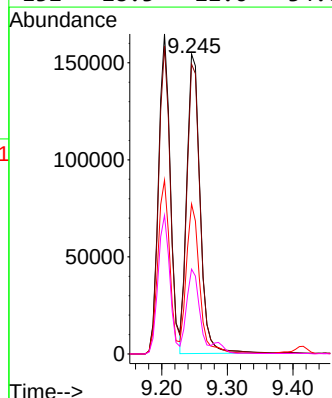
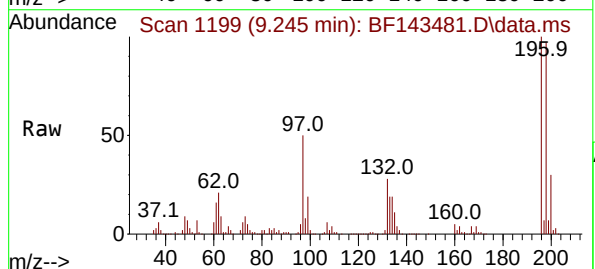
Ion Ratio Lower Upper

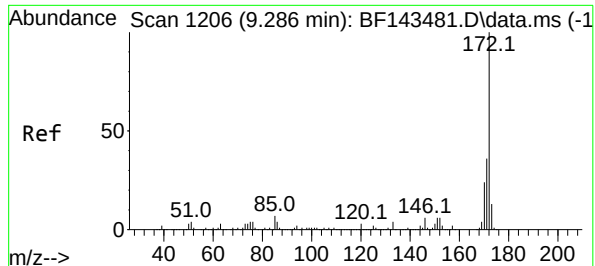
196 100

198 96.6 77.3 115.9

97 50.0 40.0 60.0

132 28.3 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 76.419 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

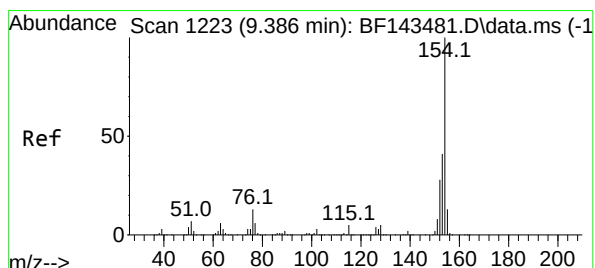
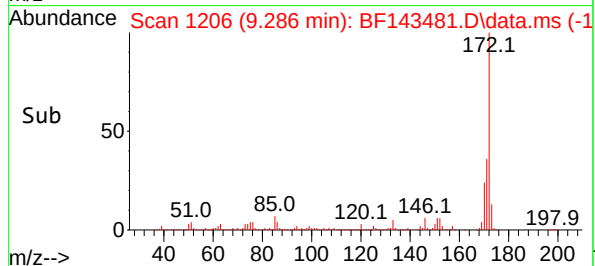
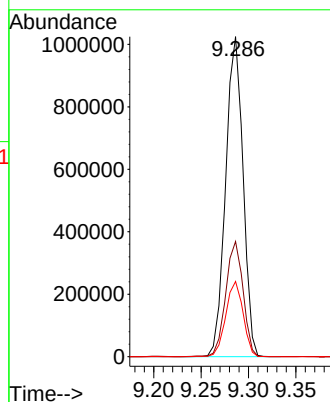
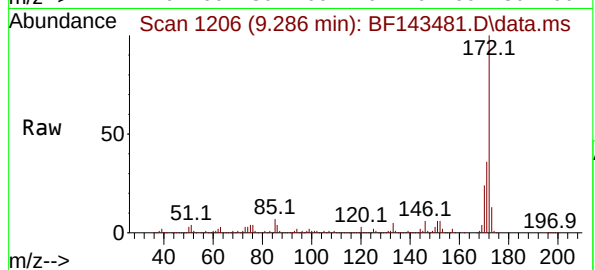
Tgt Ion:172 Resp: 1307900

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 39.412 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

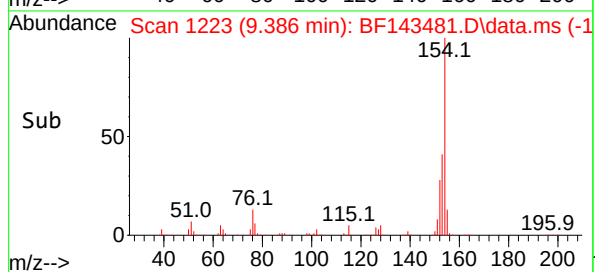
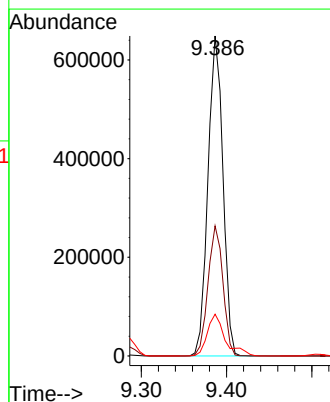
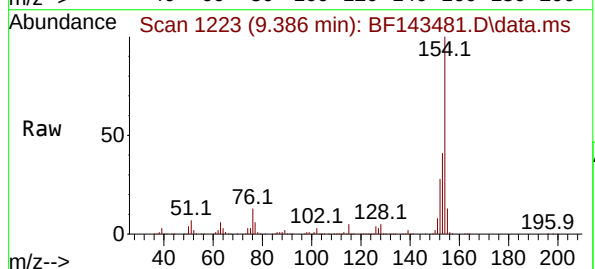
Tgt Ion:154 Resp: 791238

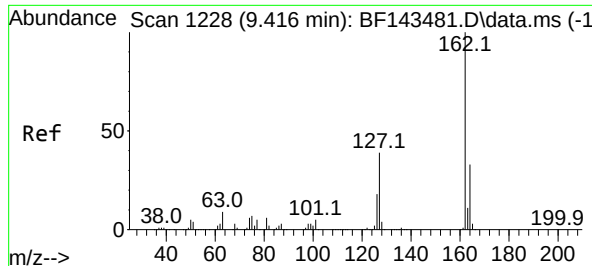
Ion Ratio Lower Upper

154 100

153 40.6 20.6 60.6

76 13.0 0.0 33.0





#47

2-Chloronaphthalene

Concen: 39.699 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

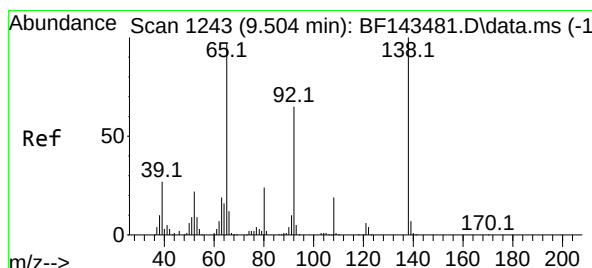
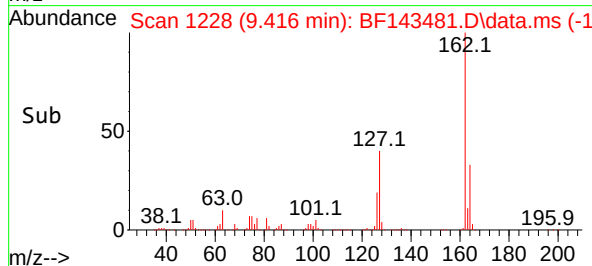
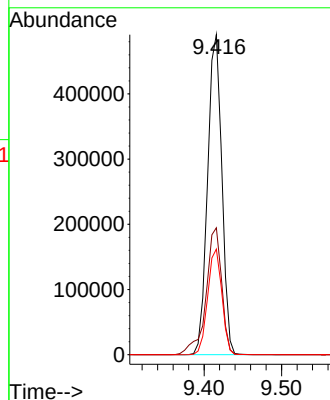
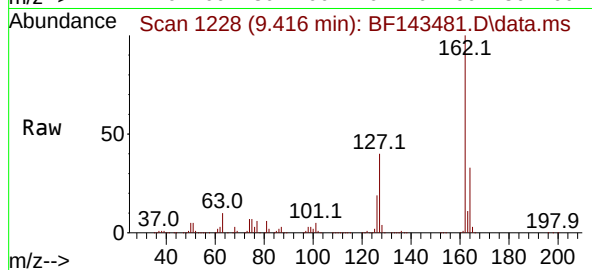
Tgt Ion:162 Resp: 625355

Ion Ratio Lower Upper

162 100

127 39.7 31.8 47.6

164 33.0 26.4 39.6



#48

2-Nitroaniline

Concen: 41.336 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

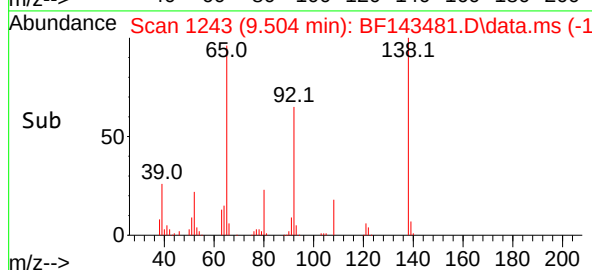
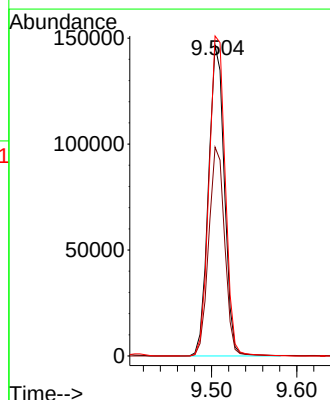
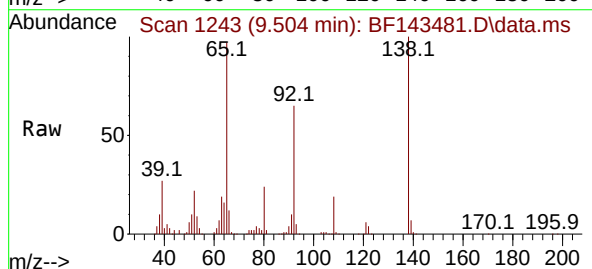
Tgt Ion: 65 Resp: 190564

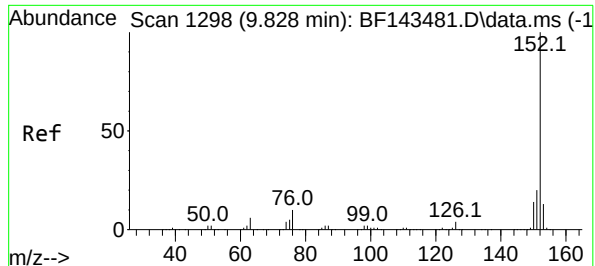
Ion Ratio Lower Upper

65 100

92 67.2 53.8 80.6

138 103.0 82.4 123.6





#49

Acenaphthylene

Concen: 39.620 ng

RT: 9.828 min Scan# 1298

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

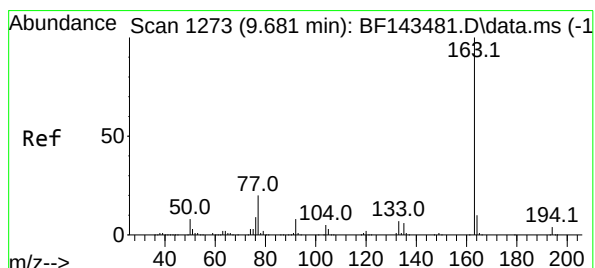
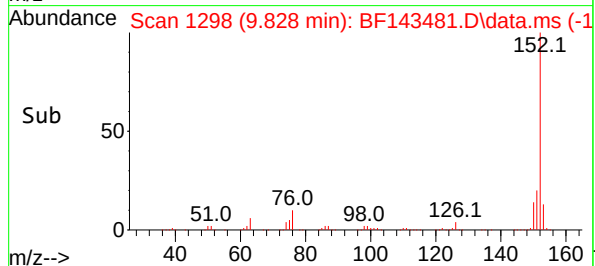
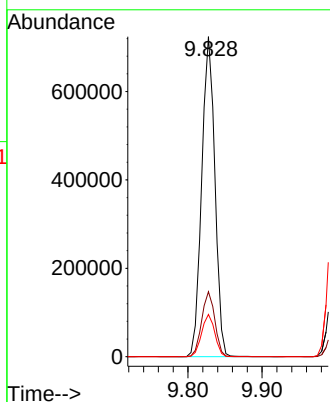
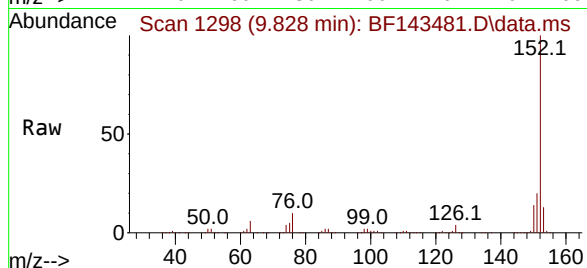
Tgt Ion:152 Resp: 893624

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 39.881 ng

RT: 9.681 min Scan# 1273

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

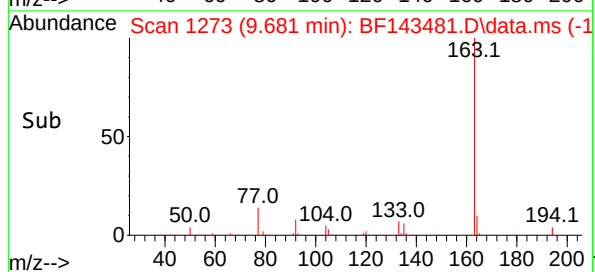
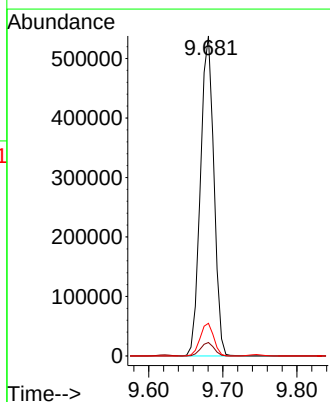
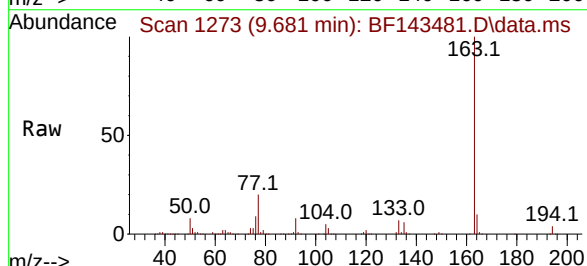
Tgt Ion:163 Resp: 679389

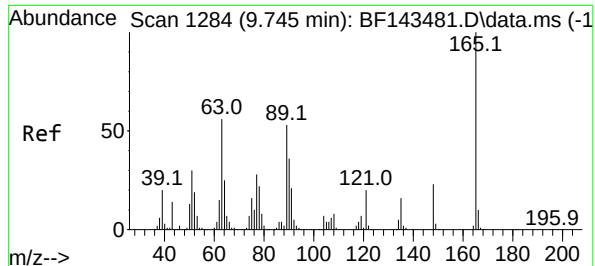
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 41.551 ng

RT: 9.745 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

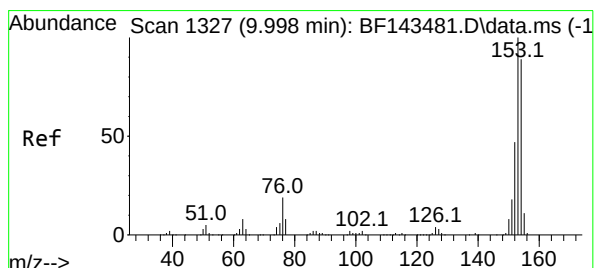
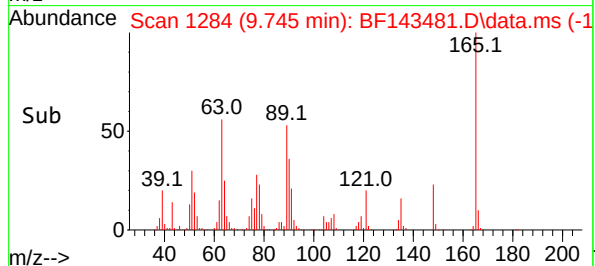
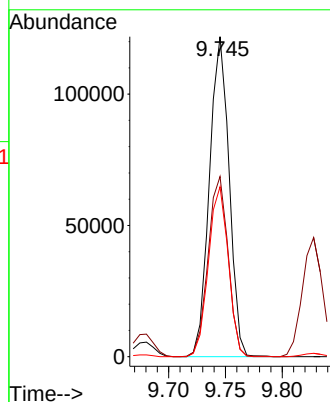
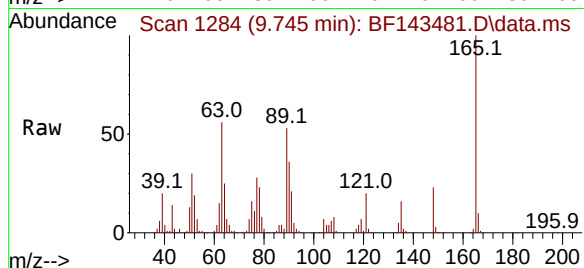
Tgt Ion:165 Resp: 146703

Ion Ratio Lower Upper

165 100

63 56.3 45.0 67.6

89 53.1 42.5 63.7



#52

Acenaphthene

Concen: 39.745 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

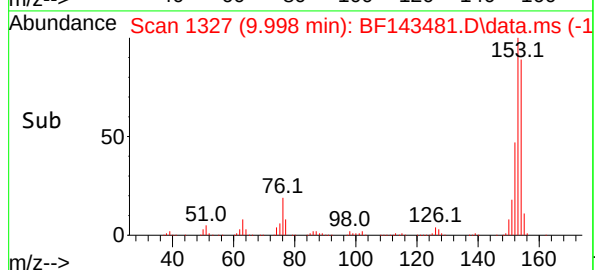
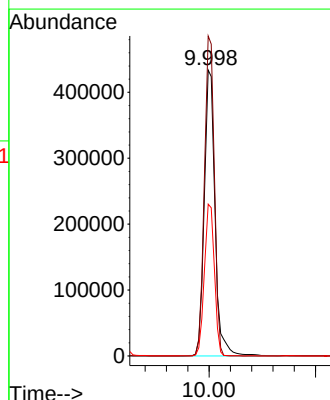
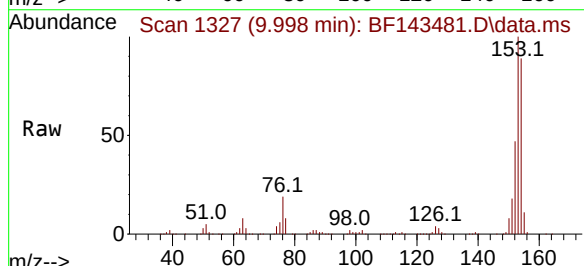
Tgt Ion:154 Resp: 608648

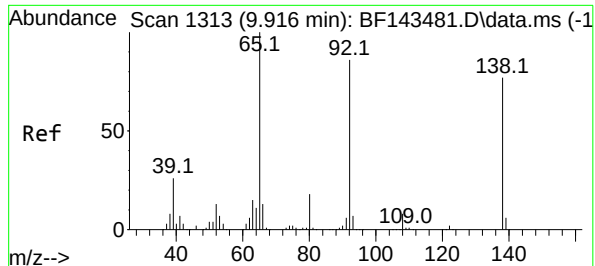
Ion Ratio Lower Upper

154 100

153 111.9 89.5 134.3

152 53.1 42.5 63.7

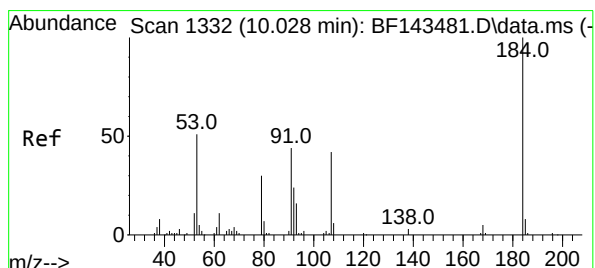
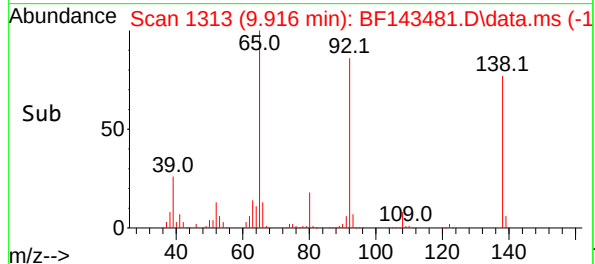
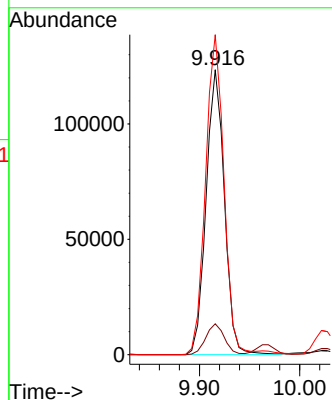
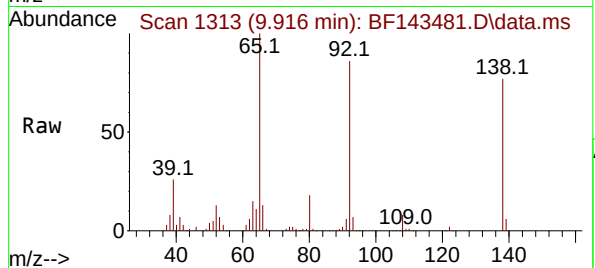




#53
3-Nitroaniline
Concen: 41.163 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

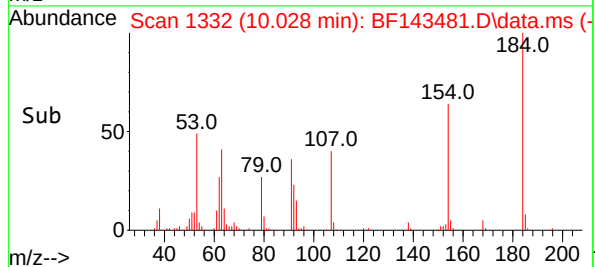
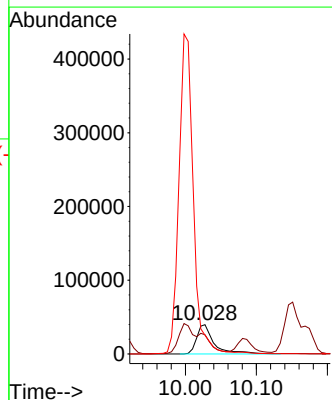
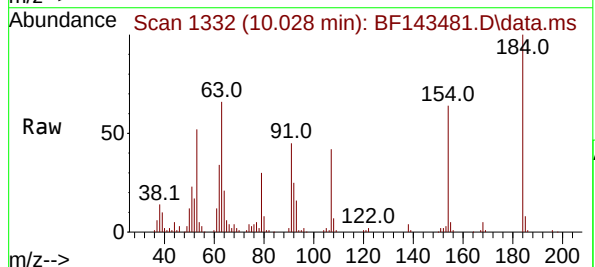
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

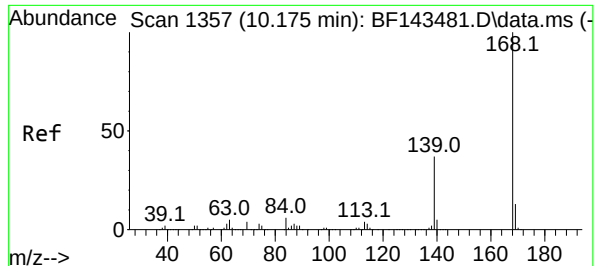
Tgt Ion:138 Resp: 157042
Ion Ratio Lower Upper
138 100
108 10.8 8.6 13.0
92 112.3 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 38.822 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:184 Resp: 67793
Ion Ratio Lower Upper
184 100
63 65.7 52.6 78.8
154 63.7 51.0 76.4





#55

Dibenzenofuran

Concen: 39.465 ng

RT: 10.175 min Scan# 1357

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

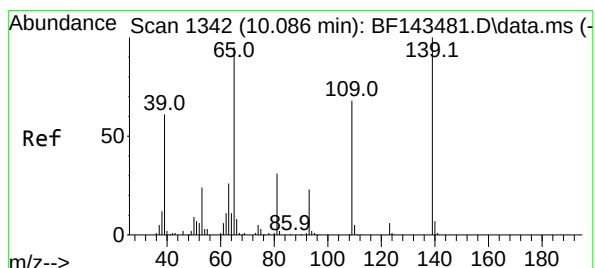
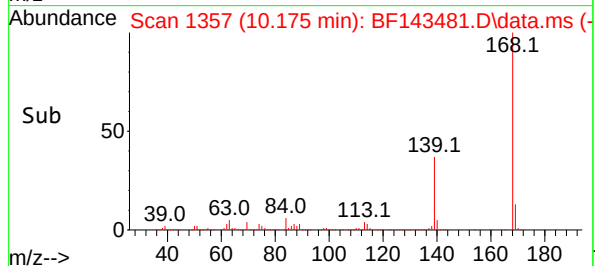
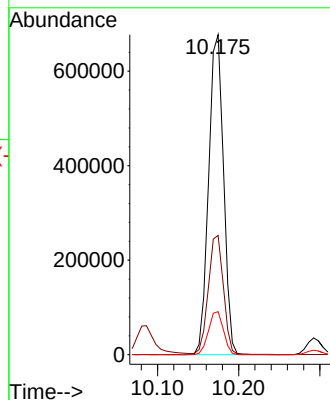
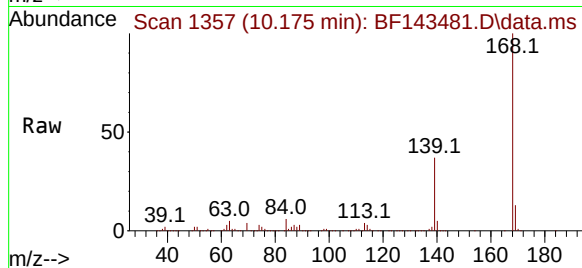
Tgt Ion:168 Resp: 861659

Ion Ratio Lower Upper

168 100

139 37.2 29.8 44.6

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 42.699 ng

RT: 10.086 min Scan# 1342

Delta R.T. 0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

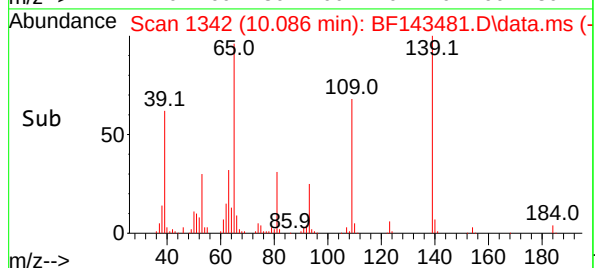
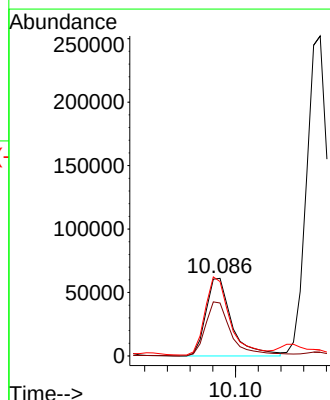
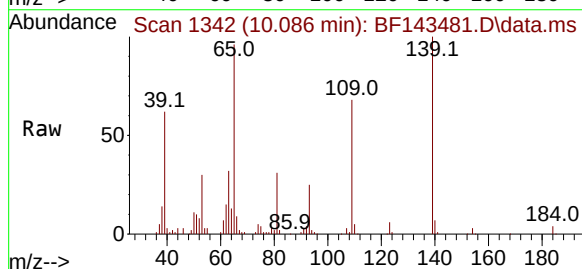
Tgt Ion:139 Resp: 96926

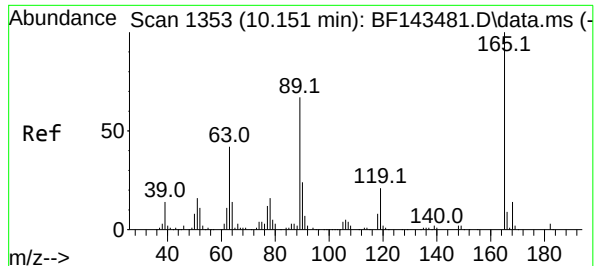
Ion Ratio Lower Upper

139 100

109 68.2 48.2 88.2

65 95.8 75.8 115.8

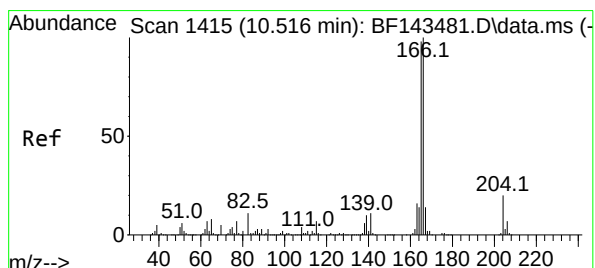
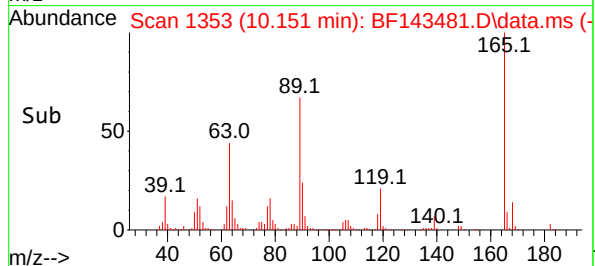
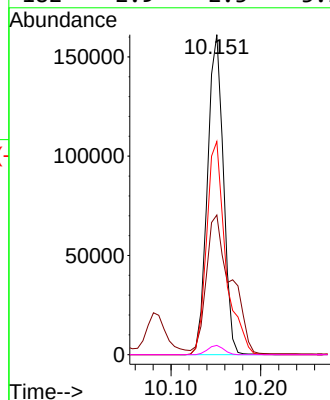
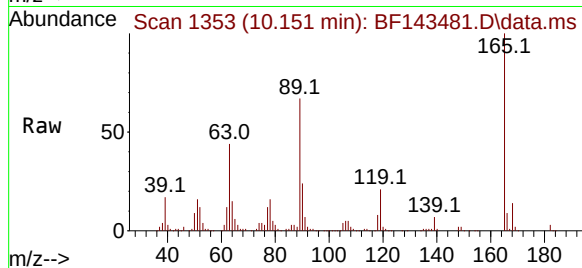




#57
2,4-Dinitrotoluene
Concen: 42.127 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

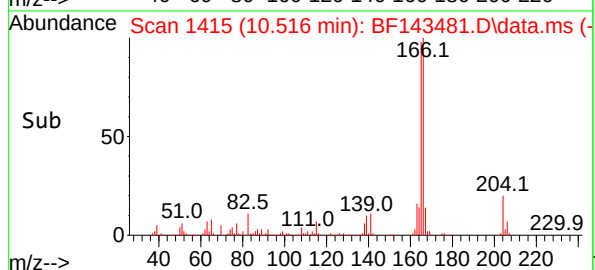
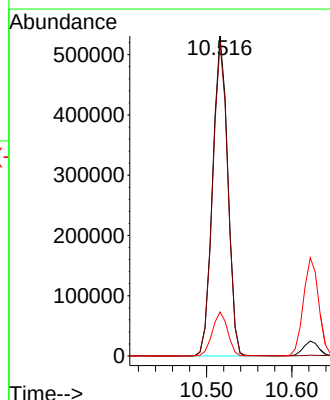
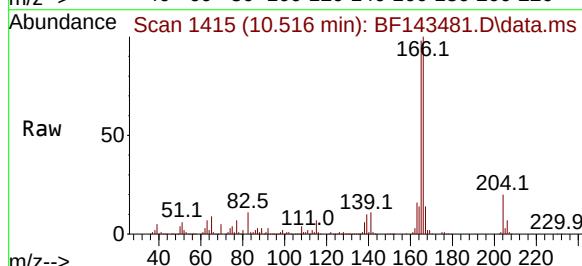
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

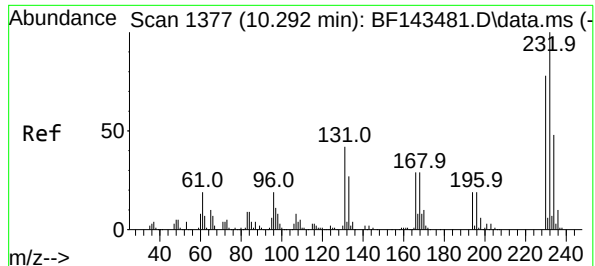
Tgt Ion:	165	Resp:	198600
Ion	Ratio	Lower	Upper
165	100		
63	43.6	34.9	52.3
89	66.6	53.3	79.9
182	2.9	2.3	3.5



#58
Fluorene
Concen: 38.975 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:	166	Resp:	654929
Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.3	117.5
167	13.7	11.0	16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 41.542 ng

RT: 10.292 min Scan# 1377

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:232 Resp: 167834

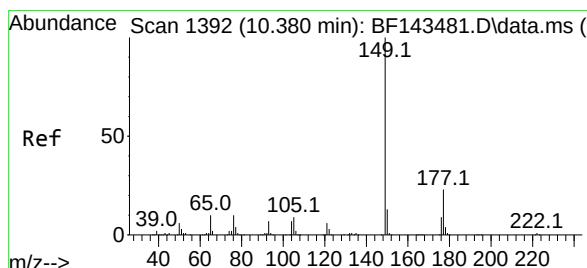
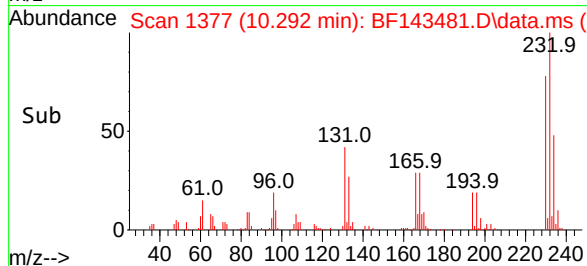
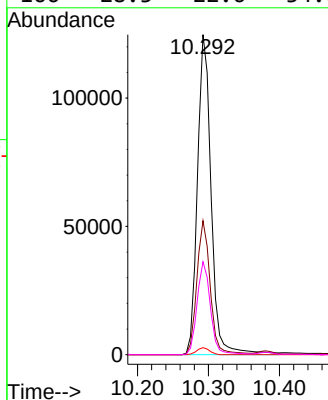
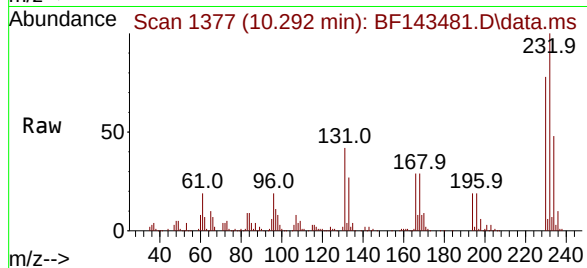
Ion Ratio Lower Upper

232 100

131 40.9 32.7 49.1

130 2.0 1.6 2.4

166 28.3 22.6 34.0



#60

Diethylphthalate

Concen: 40.167 ng

RT: 10.380 min Scan# 1392

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

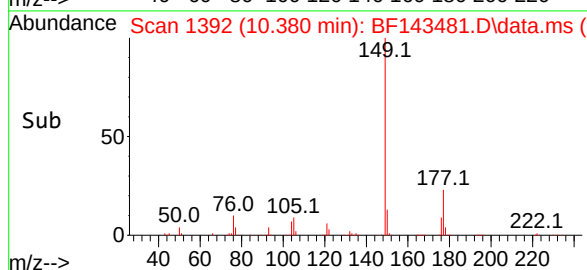
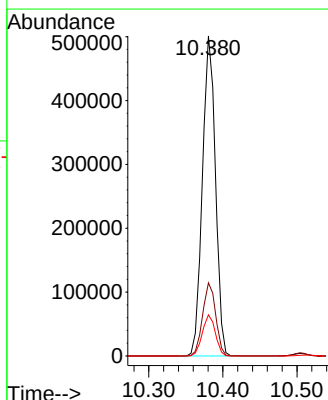
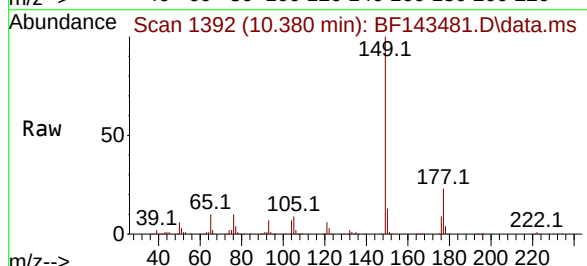
Tgt Ion:149 Resp: 613485

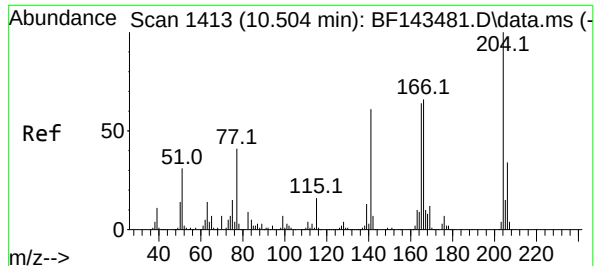
Ion Ratio Lower Upper

149 100

177 22.9 18.3 27.5

150 12.9 10.3 15.5

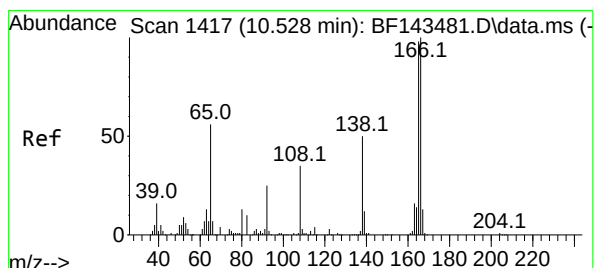
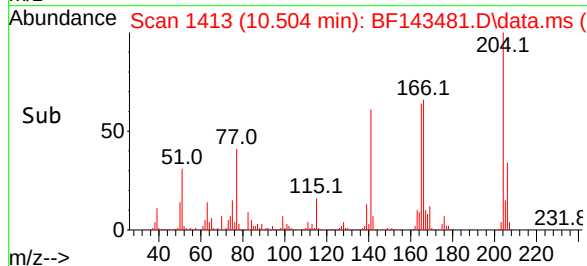
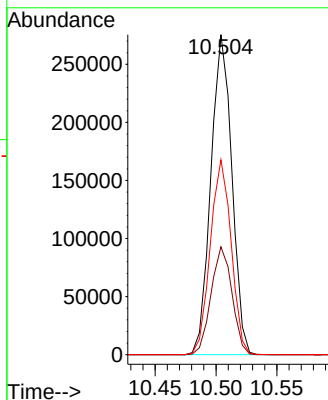
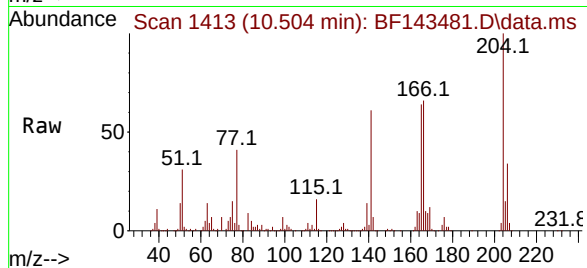




#61
4-Chlorophenyl-phenylether
Concen: 39.350 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

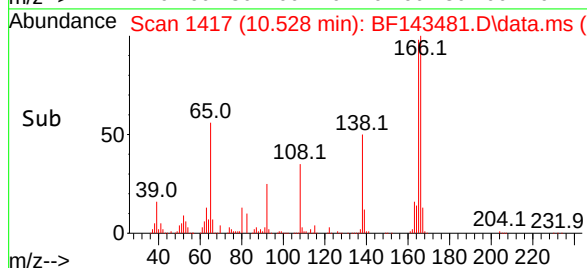
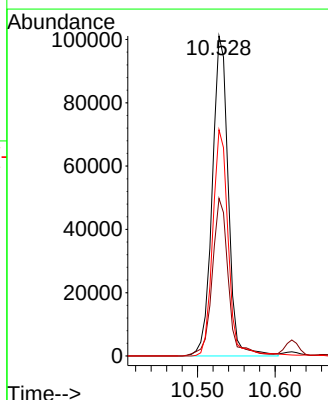
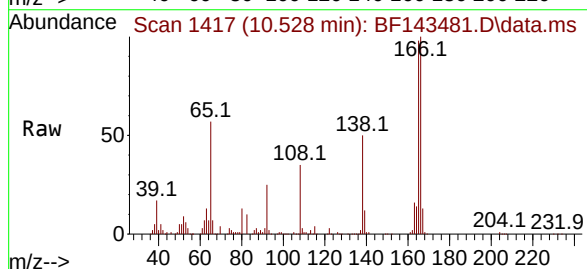
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

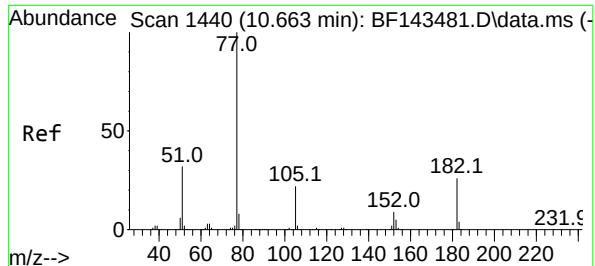
Tgt Ion:204 Resp: 330692
Ion Ratio Lower Upper
204 100
206 33.7 27.0 40.4
141 60.9 48.7 73.1



#62
4-Nitroaniline
Concen: 41.412 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:138 Resp: 145120
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 70.7 50.7 90.7

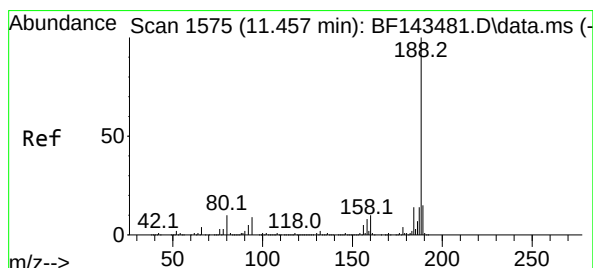
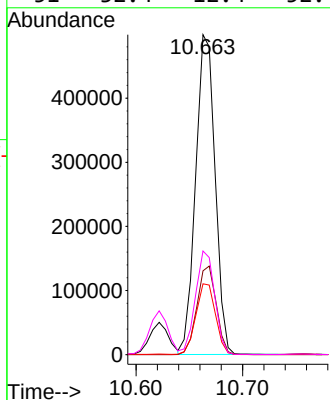
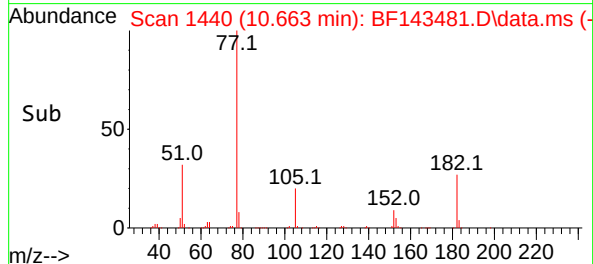
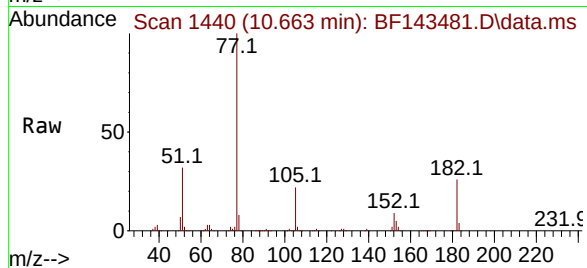




#63
Azobenzene
Concen: 40.076 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

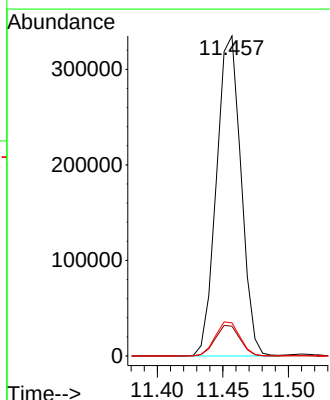
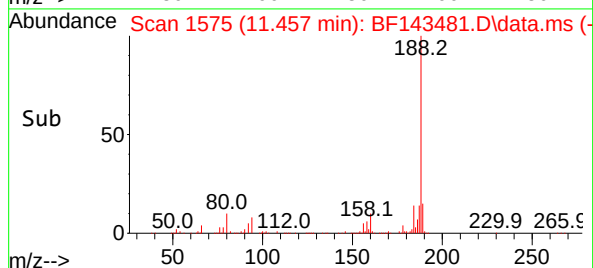
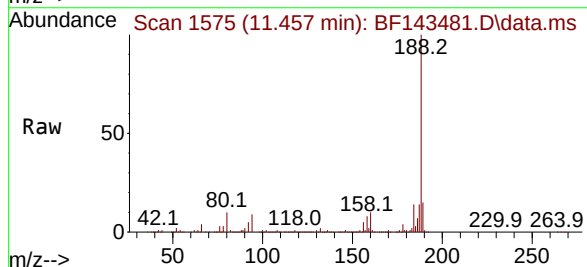
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

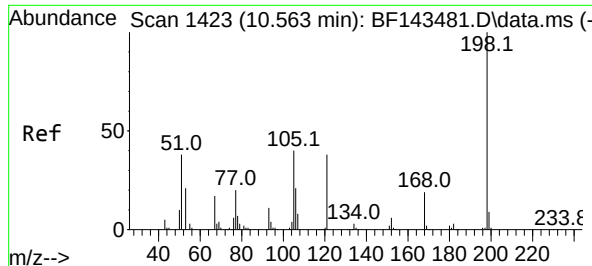
Tgt Ion:	77	Resp:	634664
Ion	Ratio	Lower	Upper
77	100		
182	26.2	6.2	46.2
105	22.2	2.2	42.2
51	32.4	12.4	52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:	188	Resp:	436106
Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.2
80	10.3	8.2	12.4

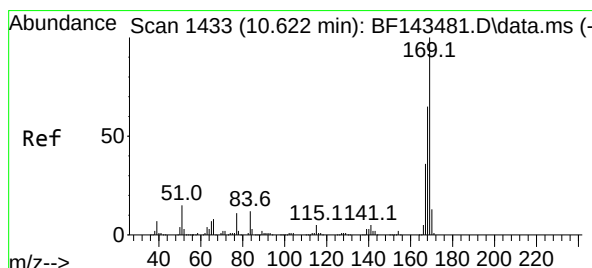
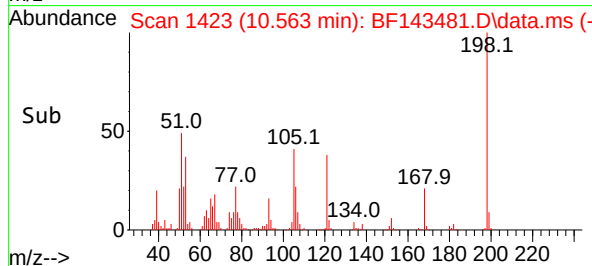
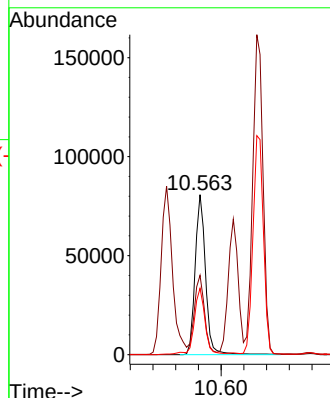
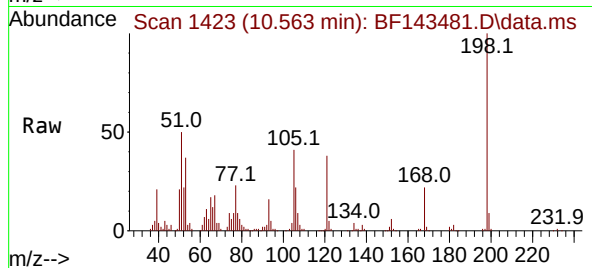




#65
4,6-Dinitro-2-methylphenol
Concen: 42.115 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

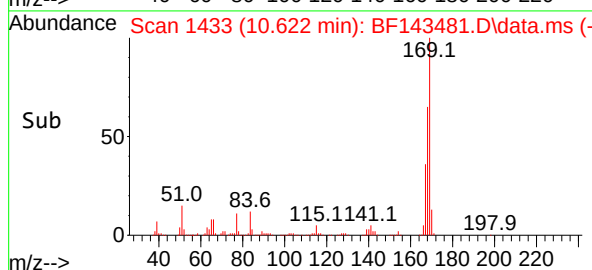
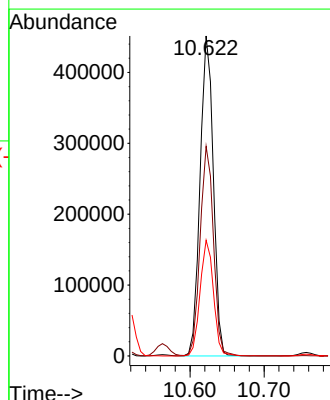
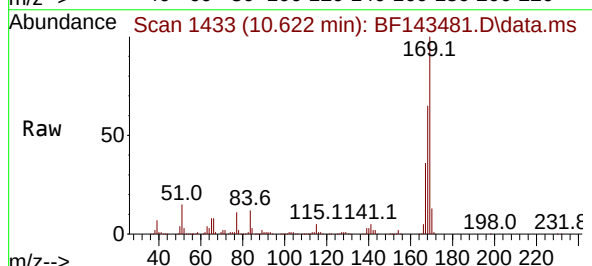
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

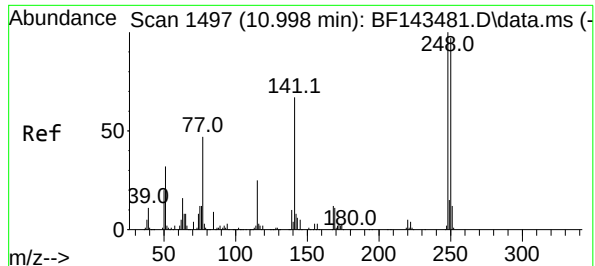
Tgt Ion:198 Resp: 103558
Ion Ratio Lower Upper
198 100
51 49.6 29.6 69.6
105 41.5 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 39.830 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:169 Resp: 558998
Ion Ratio Lower Upper
169 100
168 65.5 52.4 78.6
167 36.1 28.9 43.3

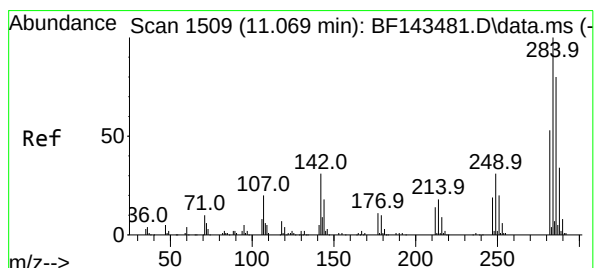
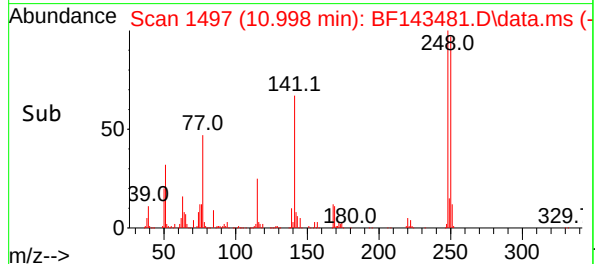
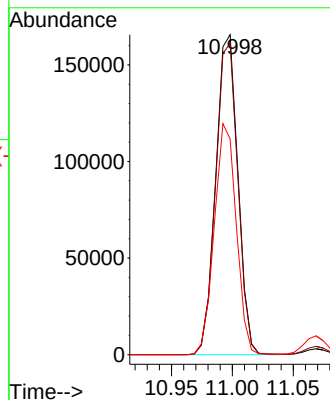
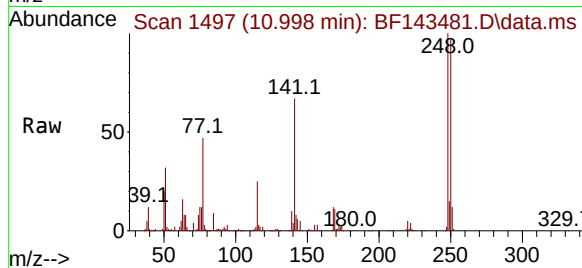




#67
4-Bromophenyl-phenylether
Concen: 40.374 ng
RT: 10.998 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

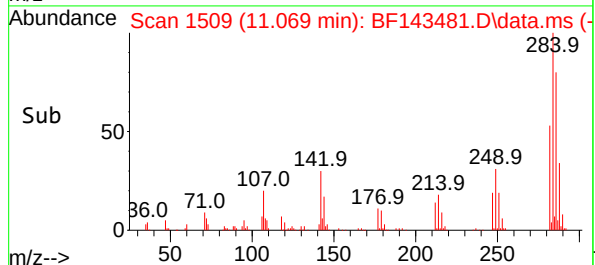
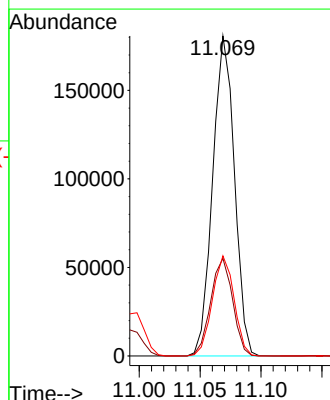
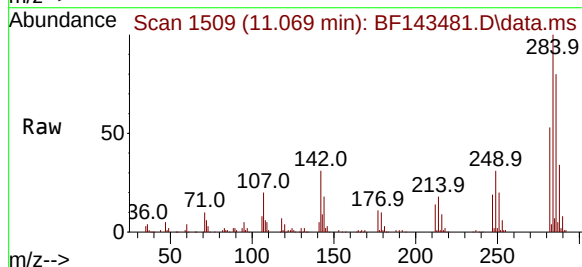
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

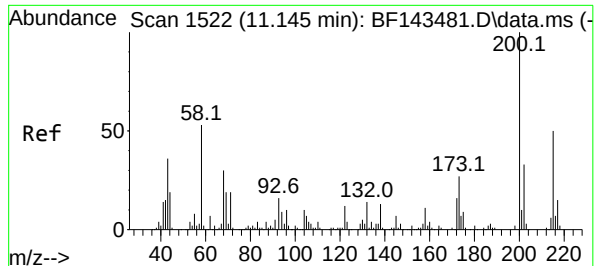
Tgt Ion:248 Resp: 210081
Ion Ratio Lower Upper
248 100
250 97.3 77.8 116.8
141 67.5 54.0 81.0



#68
Hexachlorobenzene
Concen: 39.989 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:284 Resp: 224294
Ion Ratio Lower Upper
284 100
142 30.5 24.4 36.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 40.437 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

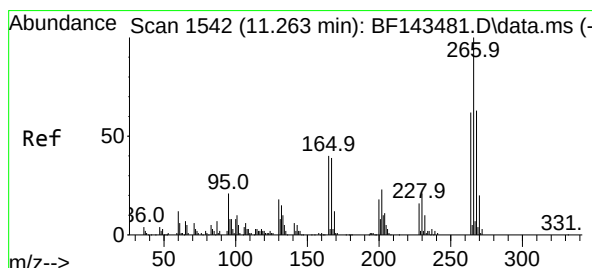
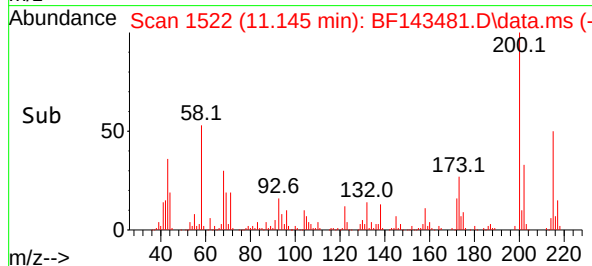
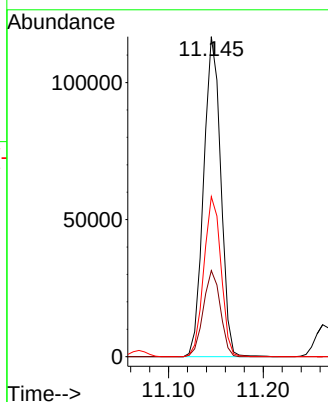
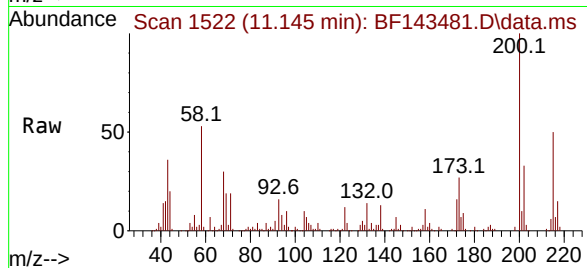
Tgt Ion:200 Resp: 146499

Ion Ratio Lower Upper

200 100

173 26.9 6.9 46.9

215 50.0 30.0 70.0



#70

Pentachlorophenol

Concen: 42.121 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

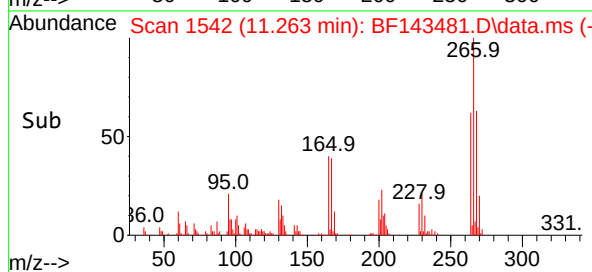
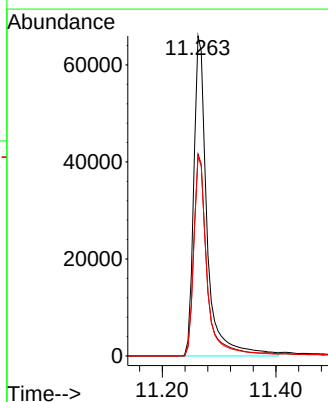
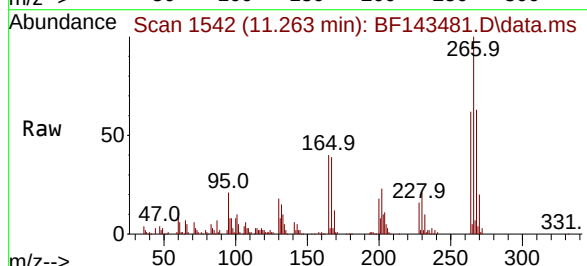
Tgt Ion:266 Resp: 108200

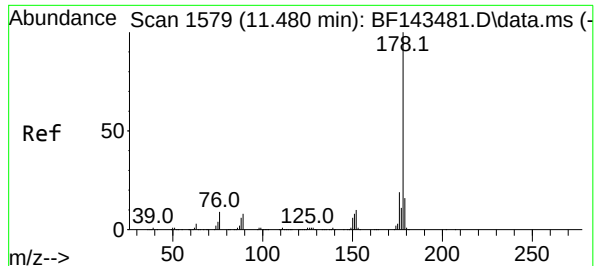
Ion Ratio Lower Upper

266 100

268 63.1 50.5 75.7

264 62.3 49.8 74.8





#71

Phenanthrene

Concen: 38.800 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

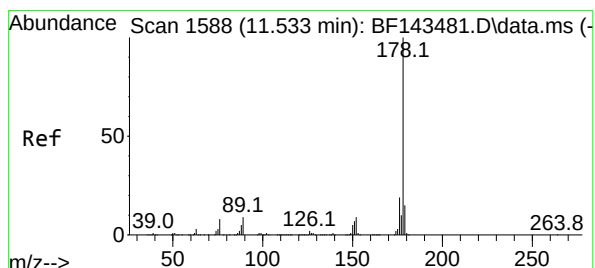
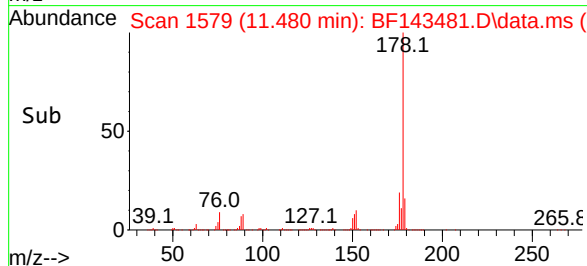
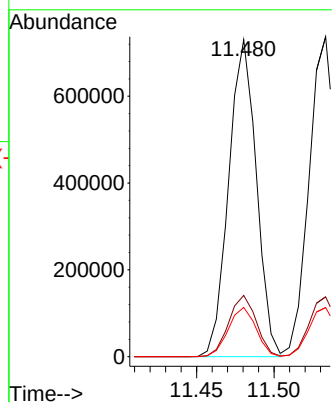
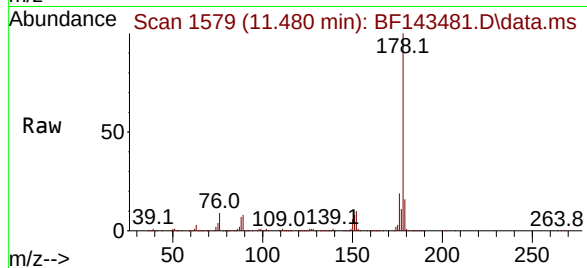
Tgt Ion:178 Resp: 906136

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.6 12.5 18.7



#72

Anthracene

Concen: 39.587 ng

RT: 11.533 min Scan# 1588

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

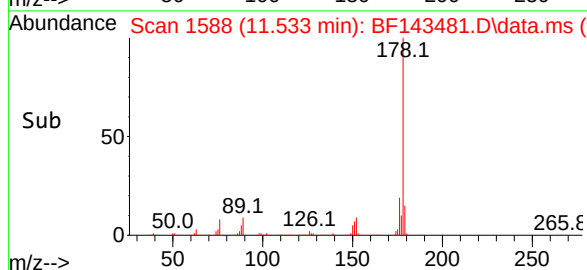
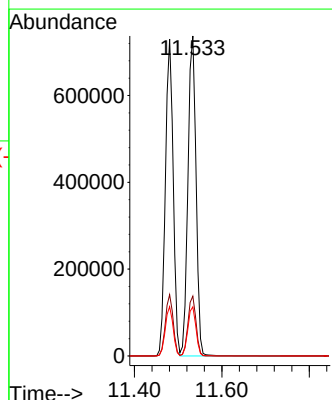
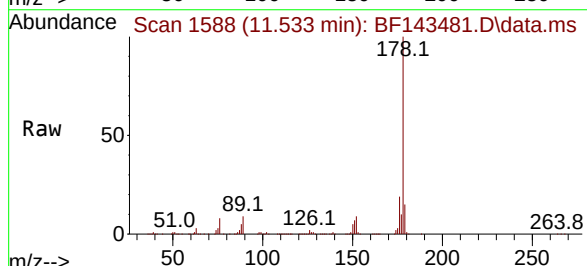
Tgt Ion:178 Resp: 936575

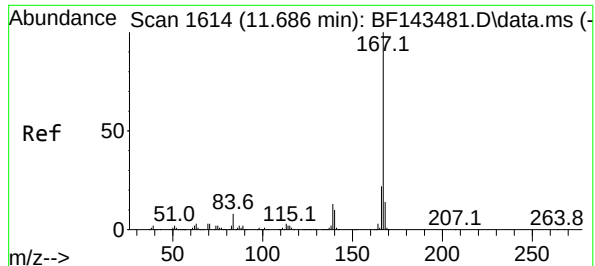
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.4 12.3 18.5

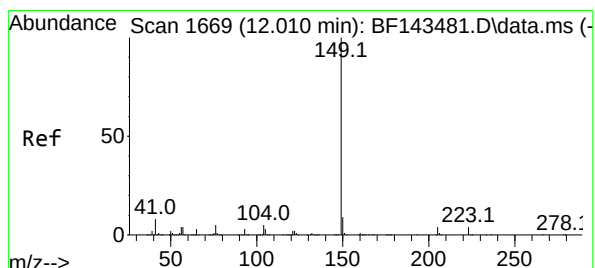
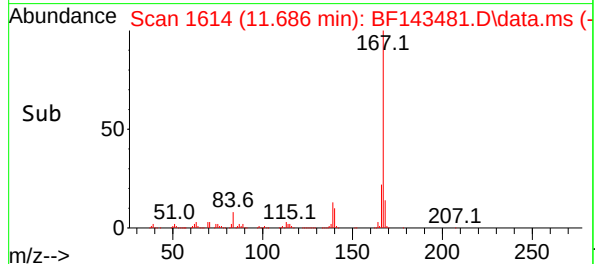
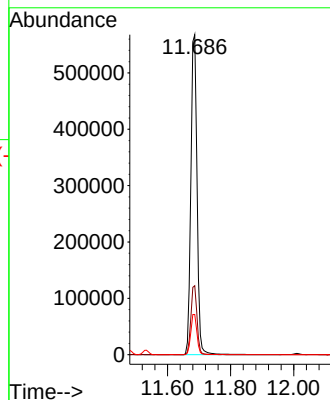
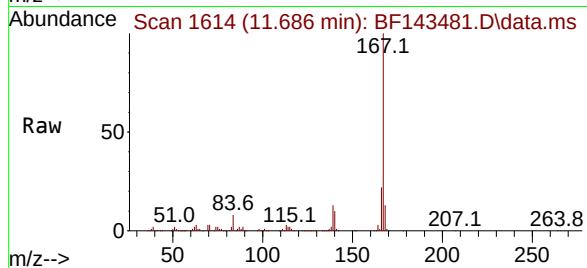




#73
Carbazole
Concen: 39.704 ng
RT: 11.686 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

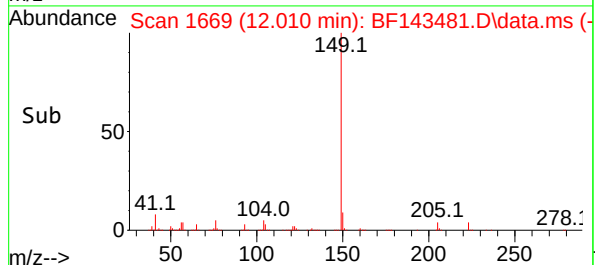
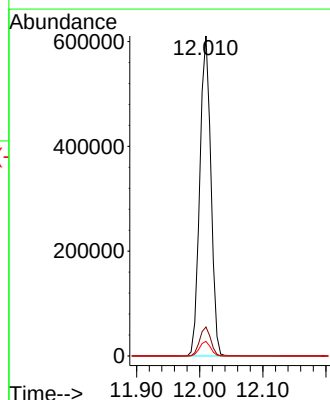
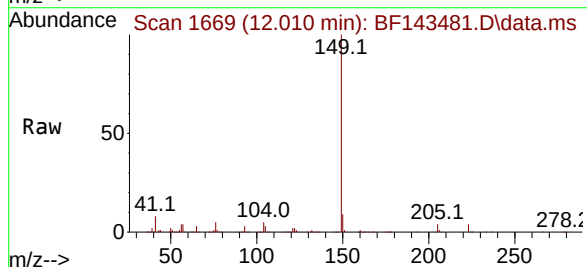
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

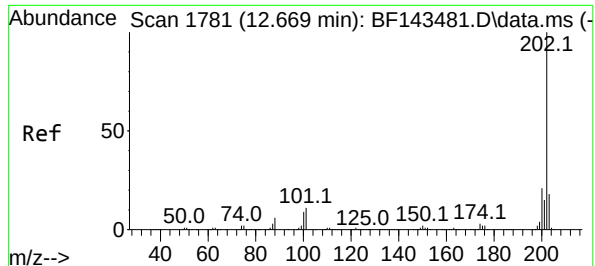
Tgt Ion:167 Resp: 769702
Ion Ratio Lower Upper
167 100
166 21.6 17.3 25.9
139 12.5 10.0 15.0



#74
Di-n-butylphthalate
Concen: 40.975 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:149 Resp: 741021
Ion Ratio Lower Upper
149 100
150 9.0 7.2 10.8
104 4.5 3.6 5.4

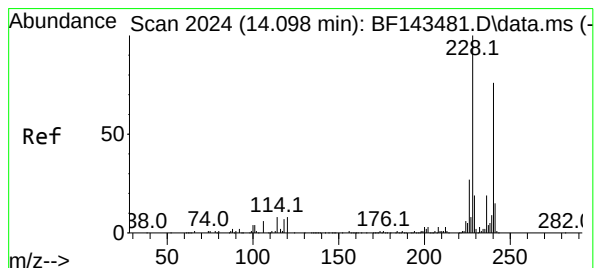
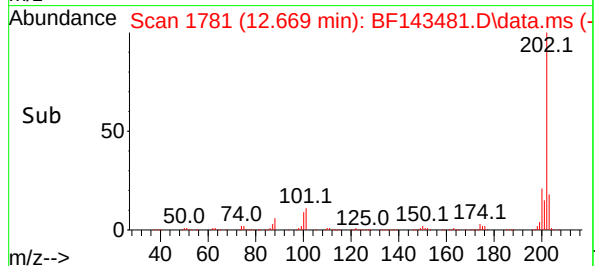
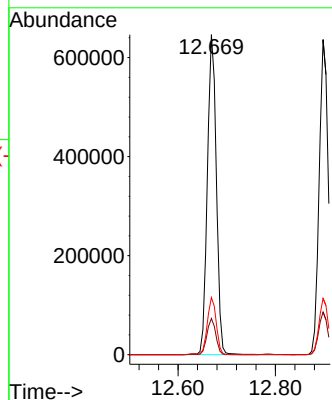
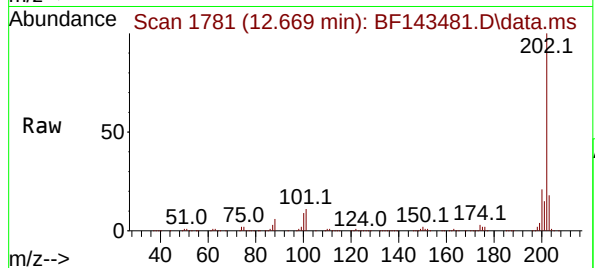




#75
Fluoranthene
Concen: 39.378 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

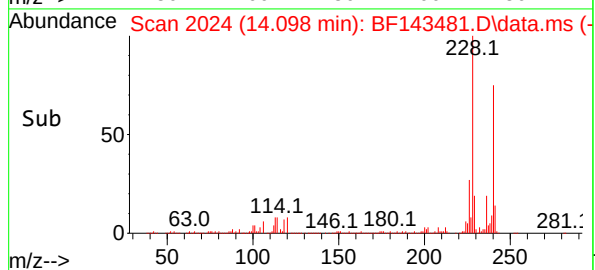
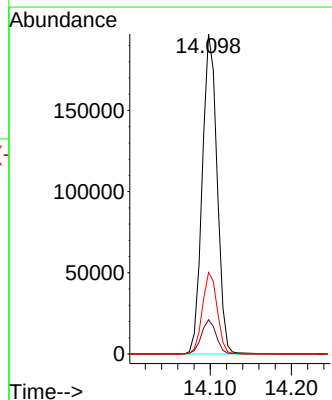
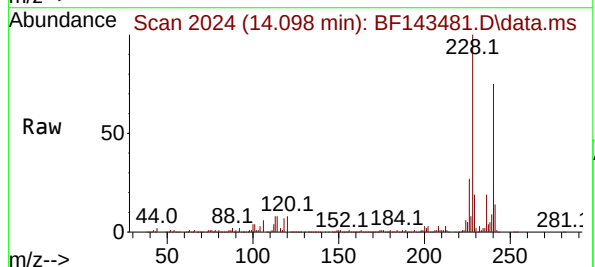
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

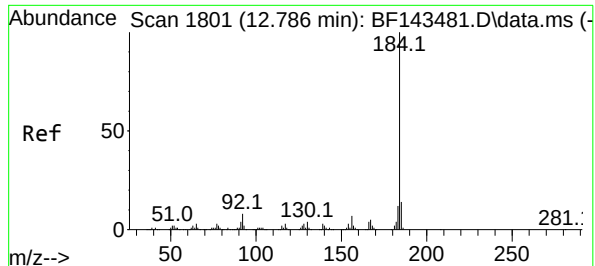
Tgt Ion:202 Resp: 825200
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 17.9 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:240 Resp: 249960
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 25.5 20.4 30.6

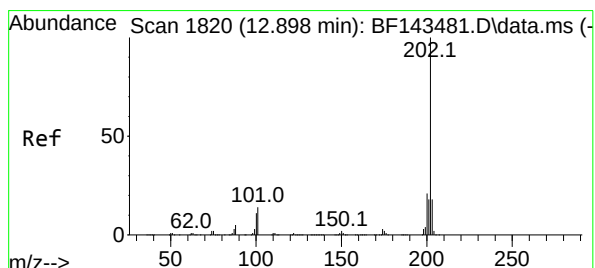
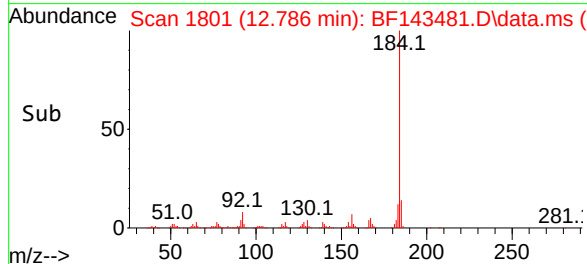
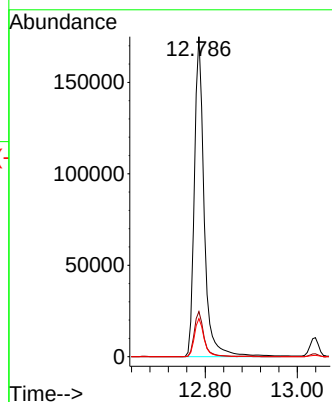
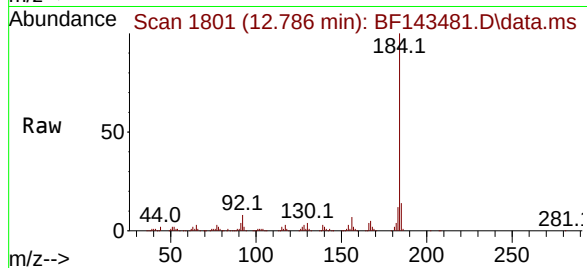




#77
Benzidine
Concen: 42.403 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

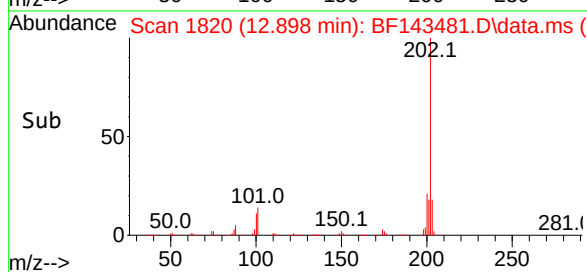
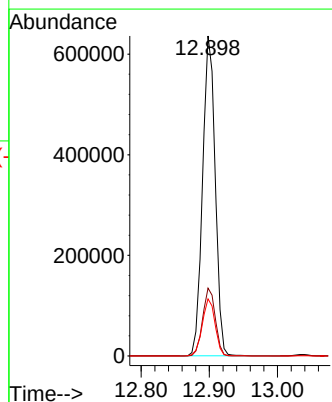
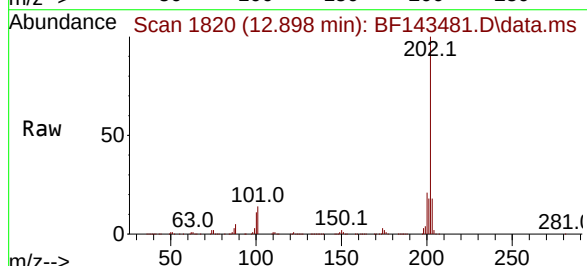
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

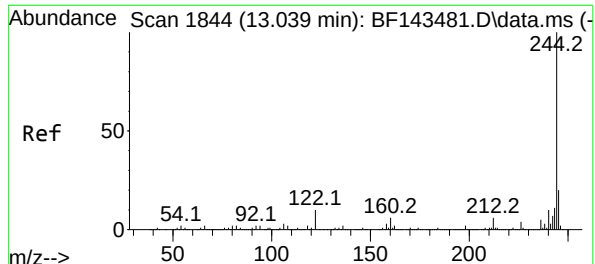
Tgt Ion:184 Resp: 258175
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 11.9 9.5 14.3



#78
Pyrene
Concen: 39.759 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:202 Resp: 817477
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 78.865 ng

RT: 13.039 min Scan# 1844

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

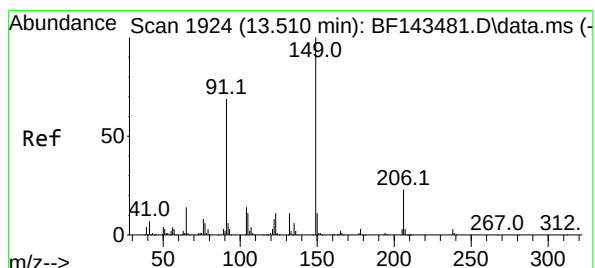
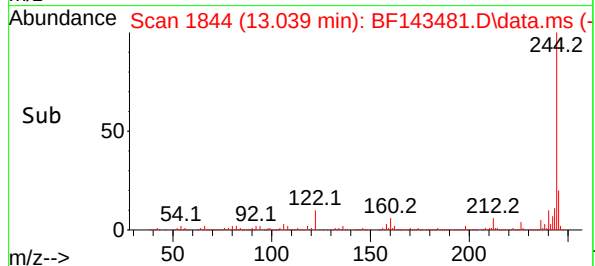
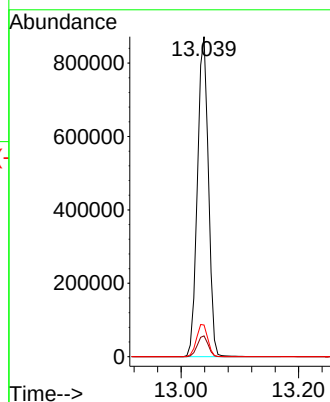
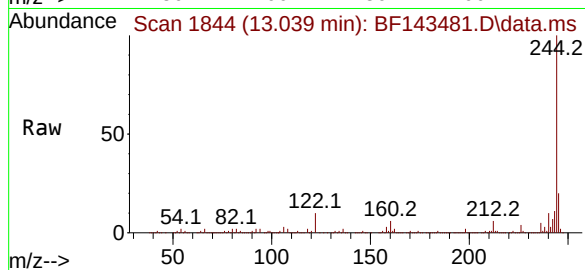
Tgt Ion:244 Resp: 1129659

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 9.9 7.9 11.9



#80

Butylbenzylphthalate

Concen: 41.552 ng

RT: 13.510 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

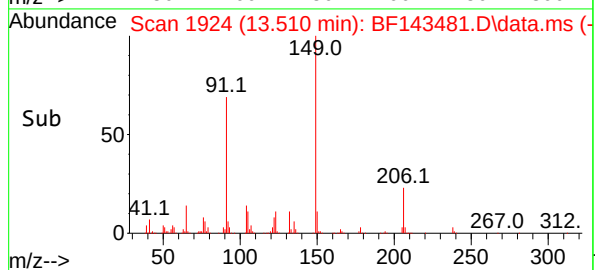
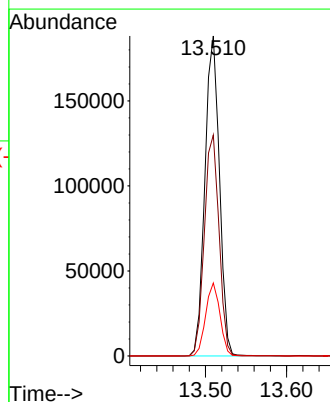
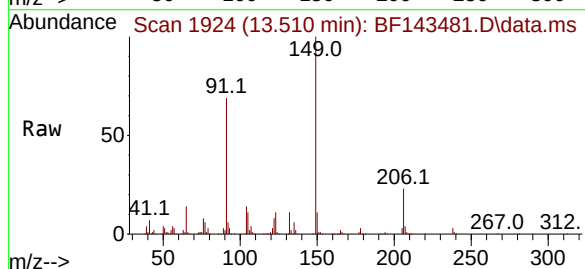
Tgt Ion:149 Resp: 233397

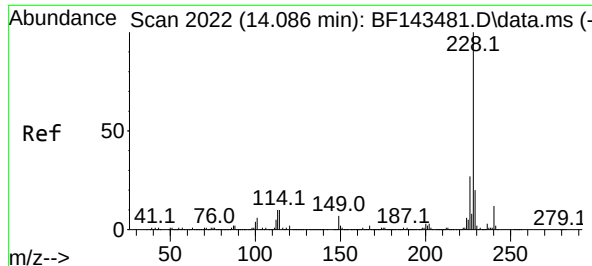
Ion Ratio Lower Upper

149 100

91 69.1 55.3 82.9

206 22.8 18.2 27.4

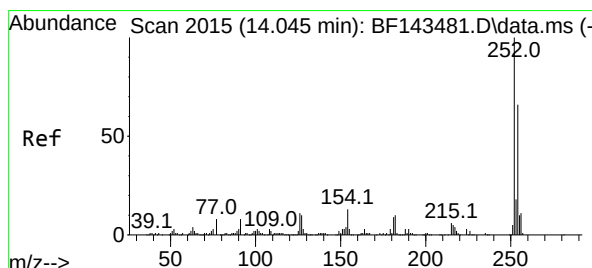
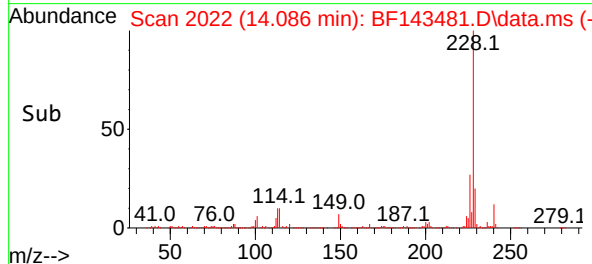
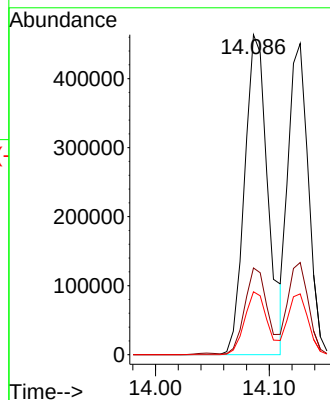
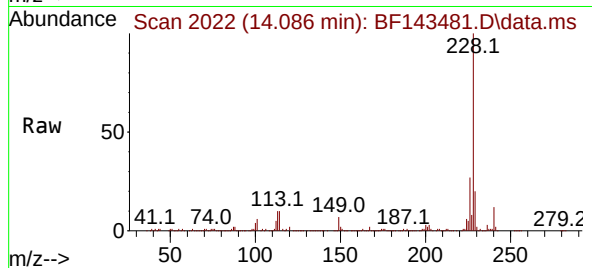




#81
Benzo(a)anthracene
Concen: 40.938 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

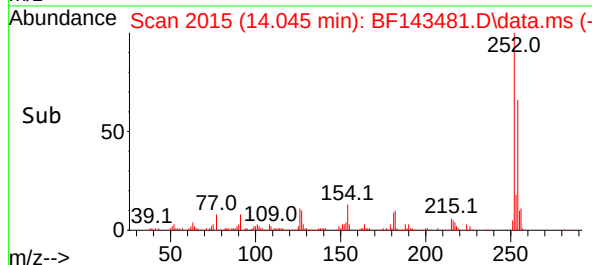
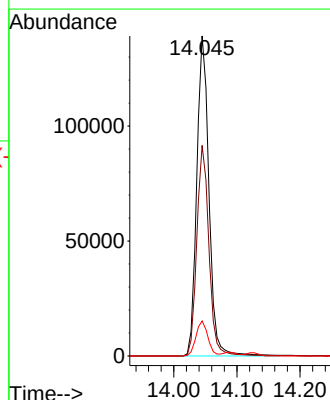
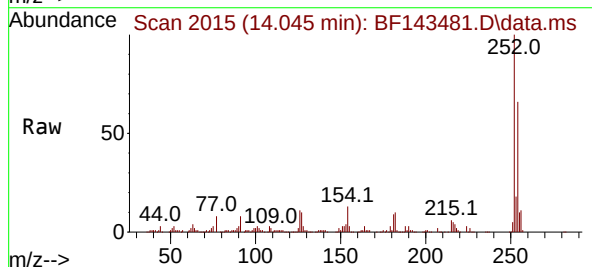
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

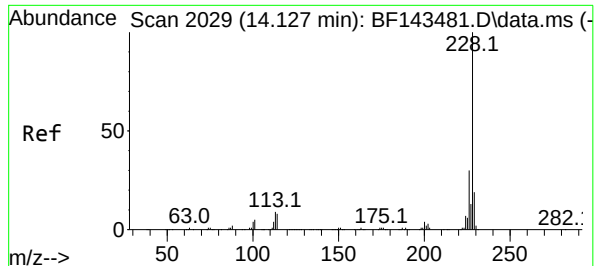
Tgt Ion:228 Resp: 658804
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.6 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 40.425 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:252 Resp: 186301
Ion Ratio Lower Upper
252 100
254 65.8 52.6 79.0
126 10.9 8.7 13.1





#83

Chrysene

Concen: 38.482 ng

RT: 14.127 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

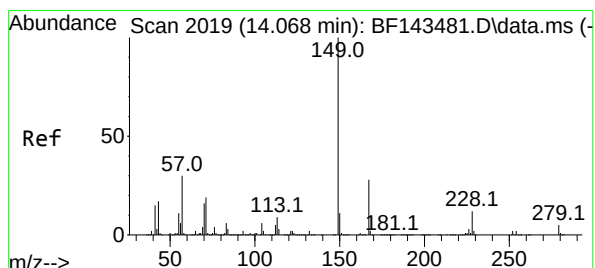
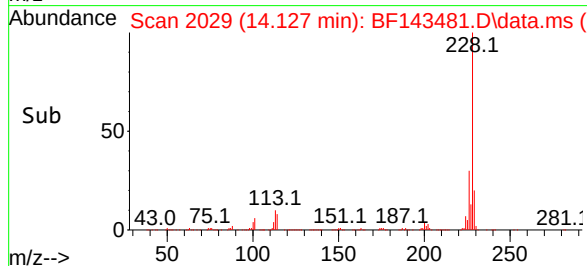
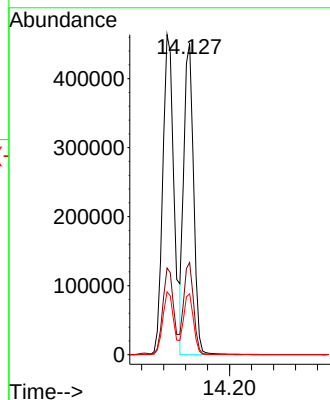
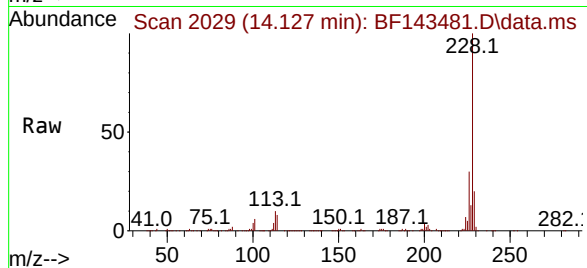
Tgt Ion:228 Resp: 556527

Ion Ratio Lower Upper

228 100

226 29.6 23.7 35.5

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.471 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

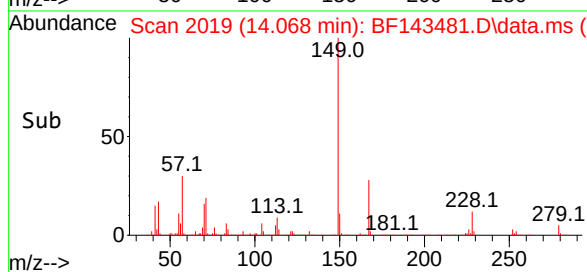
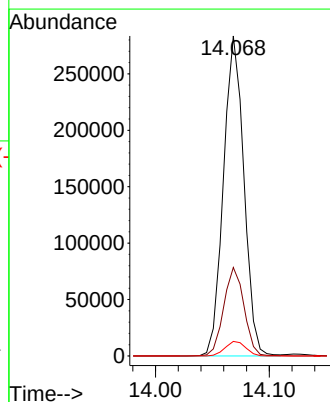
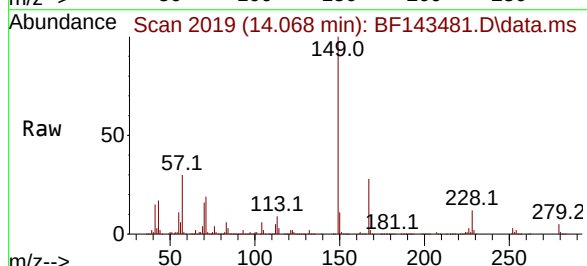
Tgt Ion:149 Resp: 354779

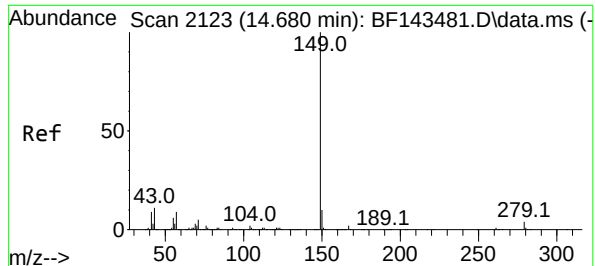
Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.2

279 4.5 3.6 5.4

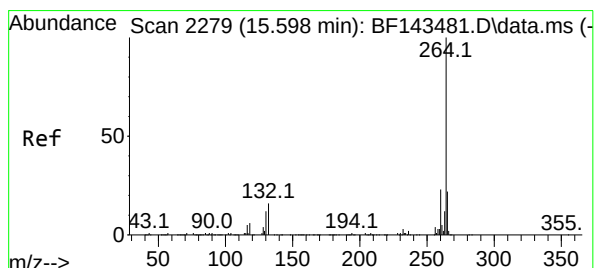
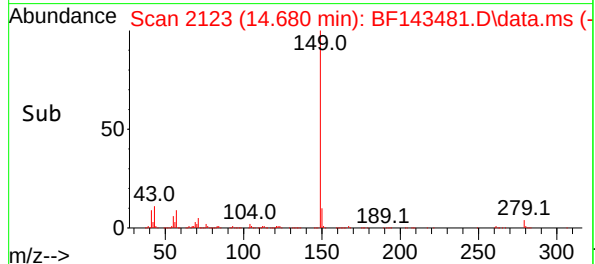
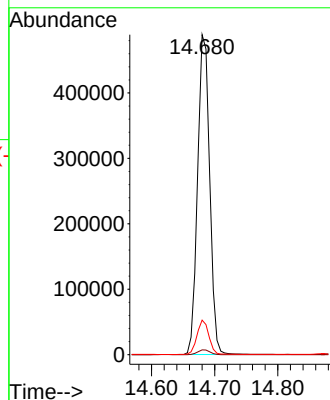
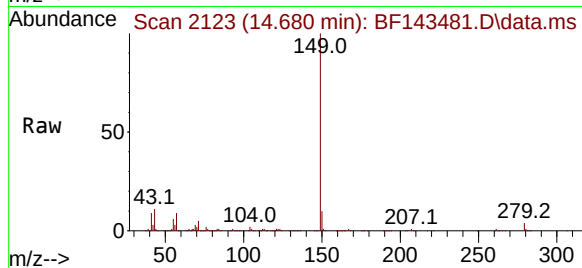




#85
Di-n-octyl phthalate
Concen: 40.959 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

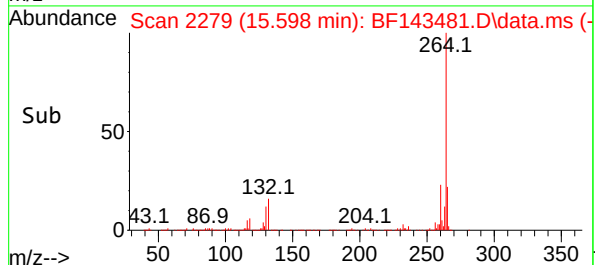
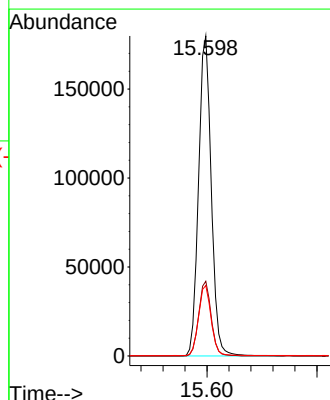
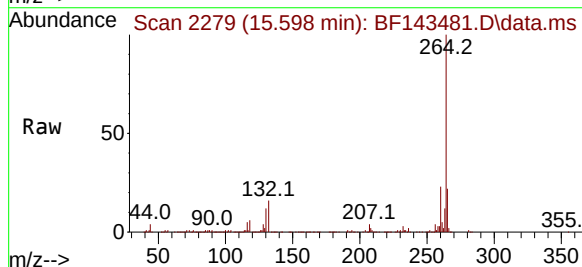
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

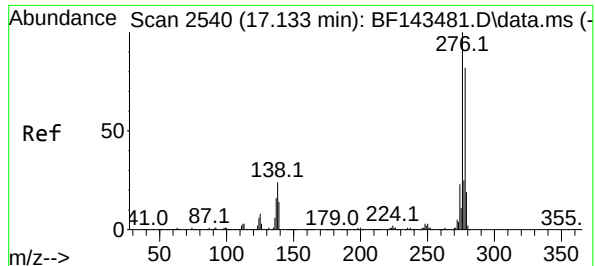
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.6	8.5	12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	22.0	17.6	26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.334 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

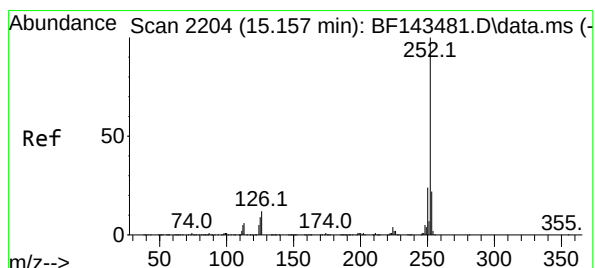
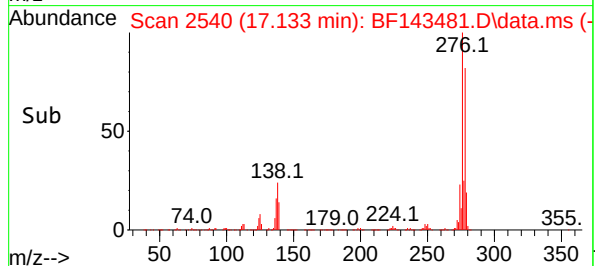
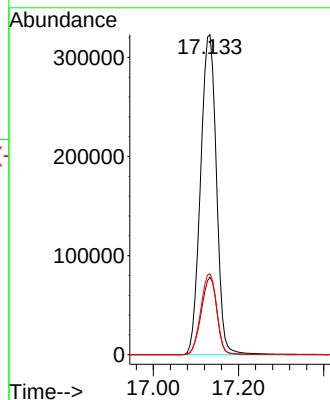
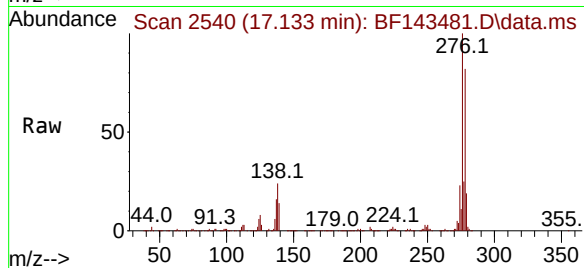
Tgt Ion:276 Resp: 835150

Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 38.627 ng

RT: 15.157 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

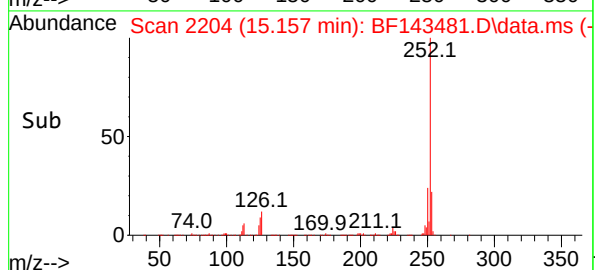
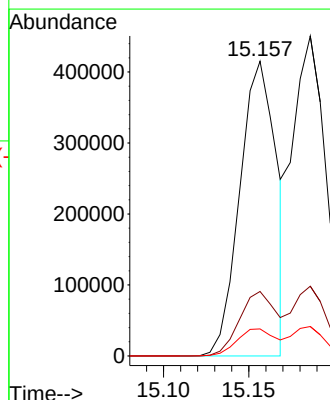
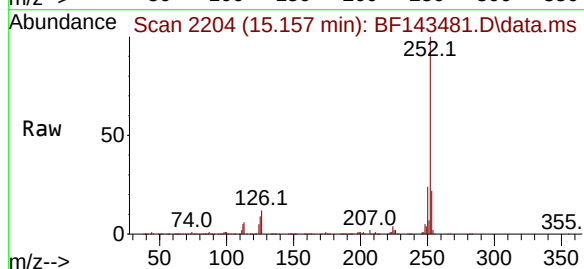
Tgt Ion:252 Resp: 618677

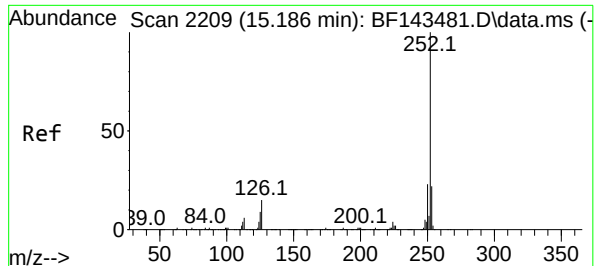
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.2 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 40.628 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

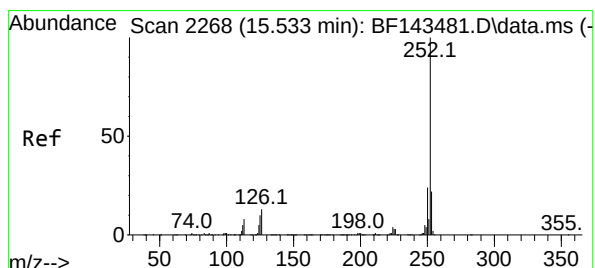
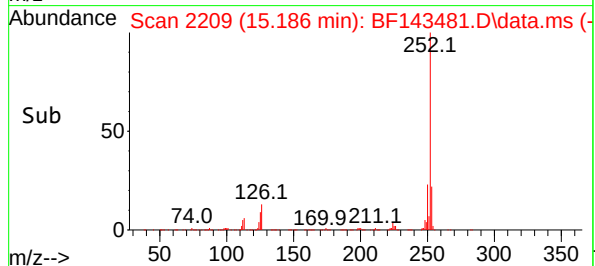
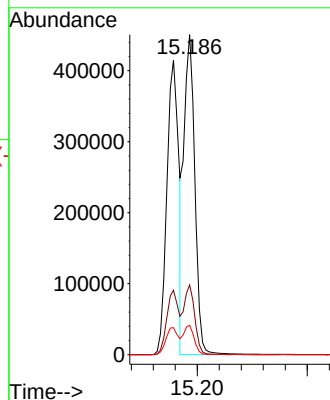
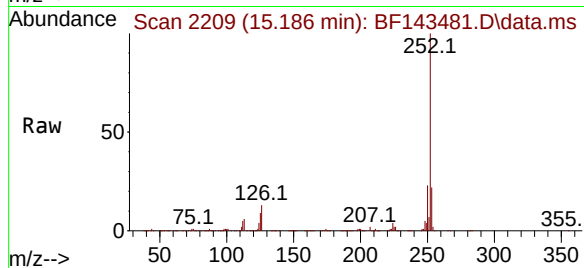
Tgt Ion:252 Resp: 623043

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 9.2 7.4 11.0



#90

Benzo(a)pyrene

Concen: 39.996 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143481.D

Acq: 20 Aug 2025 12:53

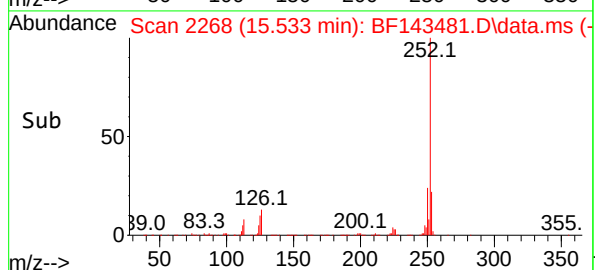
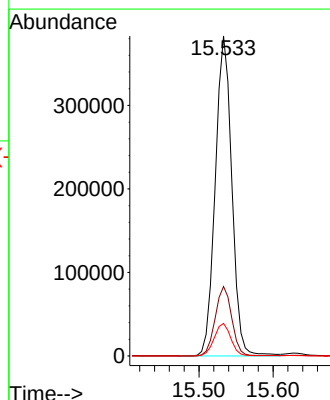
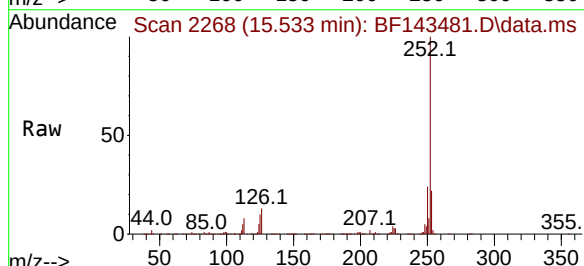
Tgt Ion:252 Resp: 594623

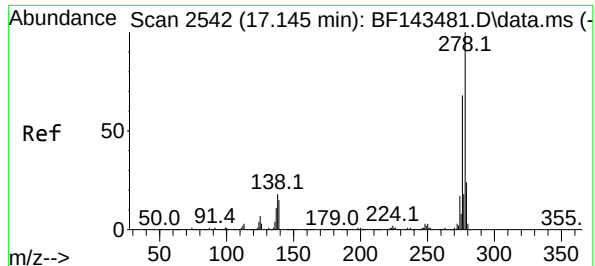
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 10.2 8.2 12.2

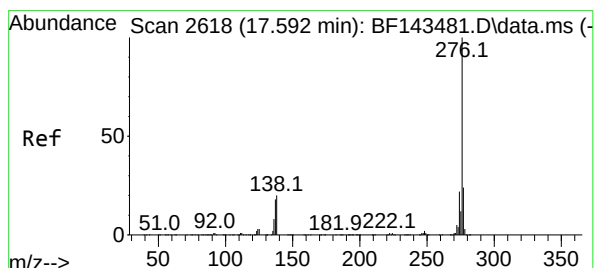
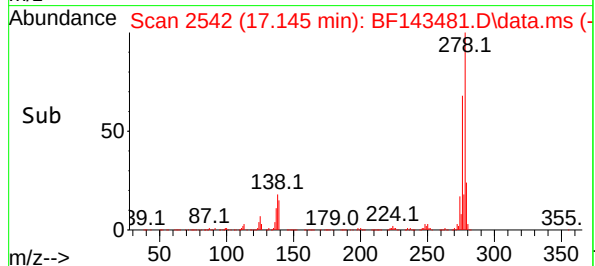
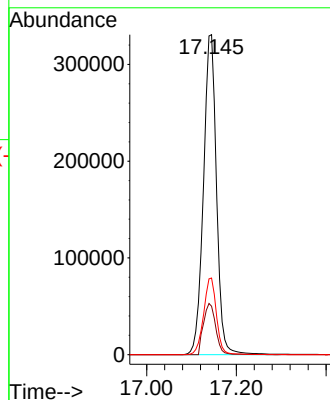
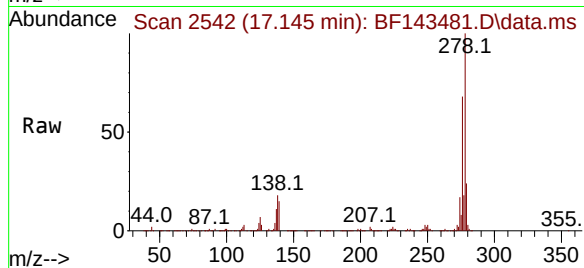




#91
Dibenzo(a,h)anthracene
Concen: 40.370 ng
RT: 17.145 min Scan# 2542
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

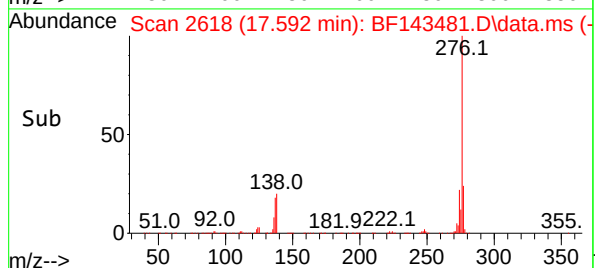
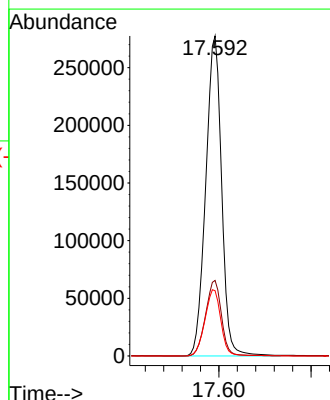
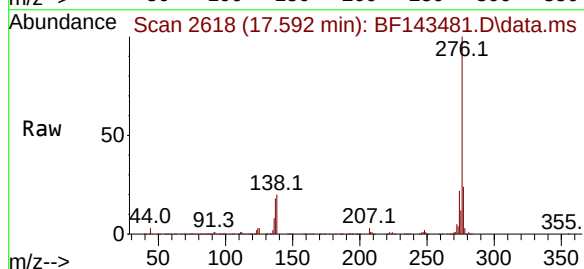
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 669452
Ion Ratio Lower Upper
278 100
139 15.1 12.1 18.1
279 24.0 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 40.417 ng
RT: 17.592 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:276 Resp: 666442
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 20.4 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143482.D
 Acq On : 20 Aug 2025 13:22
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Aug 20 16:23:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	136821	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	508977	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	274766	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	422398	20.000	ng	0.00
76) Chrysene-d12	14.098	240	244315	20.000	ng	0.00
86) Perylene-d12	15.598	264	288719	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	743545	94.894	ng	0.00
7) Phenol-d6	6.569	99	917735	94.880	ng	0.00
23) Nitrobenzene-d5	7.492	82	851921	97.674	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	248877	97.306	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1518897	91.359	ng	0.00
79) Terphenyl-d14	13.039	244	1336561	95.465	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	177472	48.893	ng	99
3) Pyridine	3.516	79	475201	49.153	ng	99
4) n-Nitrosodimethylamine	3.463	42	216544	49.825	ng	98
6) Aniline	6.592	93	615592	47.614	ng	93
8) 2-Chlorophenol	6.722	128	420515	48.589	ng	98
9) Benzaldehyde	6.481	77	387617	49.497	ng	99
10) Phenol	6.581	94	531465	47.696	ng	98
11) bis(2-Chloroethyl)ether	6.663	93	400326	48.077	ng	98
12) 1,3-Dichlorobenzene	6.869	146	460100	47.316	ng	99
13) 1,4-Dichlorobenzene	6.945	146	463354	47.503	ng	99
14) 1,2-Dichlorobenzene	7.098	146	440736	47.724	ng	100
15) Benzyl Alcohol	7.069	79	355789	49.130	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	617519	46.354	ng	95
17) 2-Methylphenol	7.187	107	333608	48.029	ng	98
18) Hexachloroethane	7.439	117	157972	47.633	ng	97
19) n-Nitroso-di-n-propyla...	7.339	70	273528	46.266	ng	98
20) 3+4-Methylphenols	7.339	107	391106	47.167	ng	96
22) Acetophenone	7.339	105	511600	46.526	ng	# 99
24) Nitrobenzene	7.510	77	443345	49.387	ng	100
25) Isophorone	7.751	82	773853	48.401	ng	99
26) 2-Nitrophenol	7.828	139	222383	50.572	ng	100
27) 2,4-Dimethylphenol	7.863	122	333188	48.606	ng	98
28) bis(2-Chloroethoxy)met...	7.957	93	472331	48.070	ng	99
29) 2,4-Dichlorophenol	8.075	162	358054	48.908	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	358839	47.673	ng	99
31) Naphthalene	8.234	128	1154068	47.228	ng	100
32) Benzoic acid	7.992	122	194231	49.619	ng	97
33) 4-Chloroaniline	8.281	127	421648	48.617	ng	99
34) Hexachlorobutadiene	8.351	225	236186	48.095	ng	100
35) Caprolactam	8.657	113	90192	51.340	ng	98
36) 4-Chloro-3-methylphenol	8.763	107	355809	48.497	ng	99
37) 2-Methylnaphthalene	8.922	142	763368	46.774	ng	100
38) 1-Methylnaphthalene	9.022	142	734490	47.049	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	373639	47.541	ng	100
41) Hexachlorocyclopentadiene	9.081	237	141023	48.905	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	241322	49.900	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143482.D
 Acq On : 20 Aug 2025 13:22
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

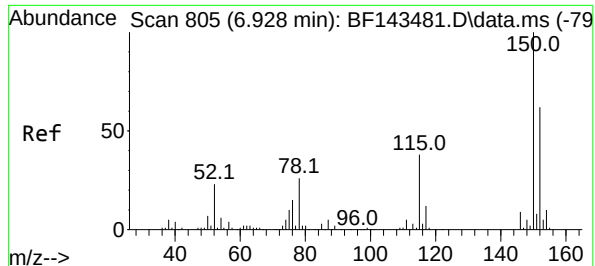
Quant Time: Aug 20 16:23:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	259061	49.041	ng	98
46) 1,1'-Biphenyl	9.386	154	917350	47.038	ng	100
47) 2-Chloronaphthalene	9.416	162	725620	47.420	ng	99
48) 2-Nitroaniline	9.510	65	226106	50.489	ng	94
49) Acenaphthylene	9.828	152	1041531	47.536	ng	100
50) Dimethylphthalate	9.681	163	795814	48.090	ng	100
51) 2,6-Dinitrotoluene	9.745	165	178703	52.104	ng	100
52) Acenaphthene	10.004	154	712642	47.905	ng	100
53) 3-Nitroaniline	9.916	138	187598	50.620	ng	99
54) 2,4-Dinitrophenol	10.028	184	90529	51.384	ng	100
55) Dibenzofuran	10.175	168	1003468	47.313	ng	100
56) 4-Nitrophenol	10.086	139	121261	54.991	ng	98
57) 2,4-Dinitrotoluene	10.151	165	236039	51.542	ng	99
58) Fluorene	10.516	166	763347	46.763	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	202049	51.483	ng	99
60) Diethylphthalate	10.380	149	723386	48.756	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	383570	46.985	ng	100
62) 4-Nitroaniline	10.533	138	175033	51.418	ng	99
63) Azobenzene	10.669	77	742238	48.247	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	126533	53.128	ng	98
66) n-Nitrosodiphenylamine	10.622	169	649619	47.789	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	242477	48.112	ng	99
68) Hexachlorobenzene	11.069	284	261883	48.206	ng	98
69) Atrazine	11.145	200	180342	51.394	ng	99
70) Pentachlorophenol	11.263	266	133776	53.767	ng	100
71) Phenanthrene	11.480	178	1071808	47.383	ng	100
72) Anthracene	11.533	178	1079686	47.117	ng	100
73) Carbazole	11.686	167	896352	47.738	ng	99
74) Di-n-butylphthalate	12.010	149	879812	50.228	ng	99
75) Fluoranthene	12.669	202	964831	47.536	ng	99
77) Benzidine	12.786	184	238772	40.122	ng	100
78) Pyrene	12.898	202	970991	48.316	ng	100
80) Butylbenzylphthalate	13.510	149	281664	51.304	ng	99
81) Benzo(a)anthracene	14.086	228	773434	49.172	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	216024	47.957	ng	98
83) Chrysene	14.127	228	665070	47.050	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	421199	50.372	ng	100
85) Di-n-octyl phthalate	14.680	149	764123	49.329	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	1030025	49.646	ng	100
88) Benzo(b)fluoranthene	15.157	252	763584	47.579	ng	100
89) Benzo(k)fluoranthene	15.186	252	746332	48.570	ng	100
90) Benzo(a)pyrene	15.533	252	728853	48.927	ng	100
91) Dibenzo(a,h)anthracene	17.145	278	824368	49.612	ng	100
92) Benzo(g,h,i)perylene	17.592	276	826803	50.042	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

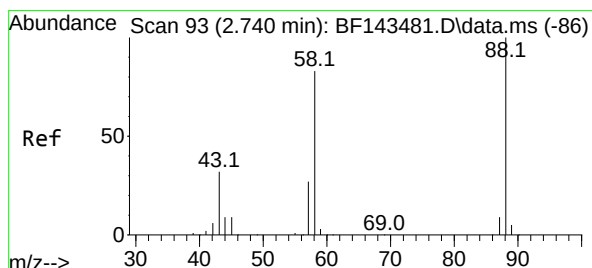
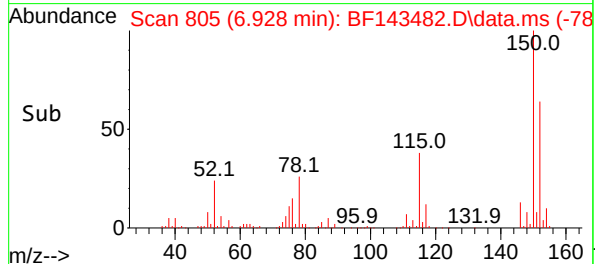
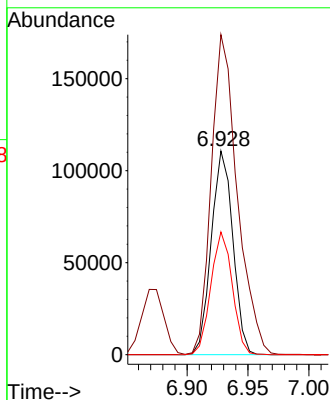
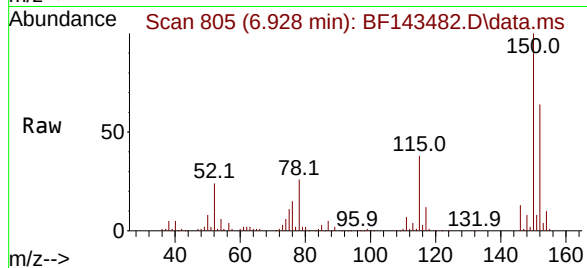
- 1
- 2
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- 10
- 11
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- 13
- 14
- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

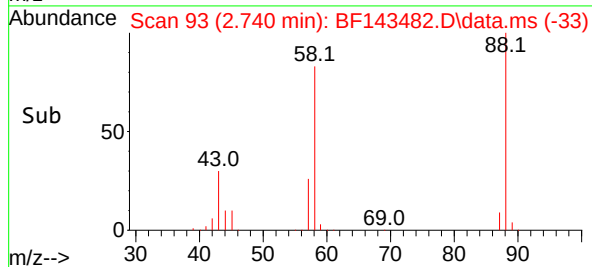
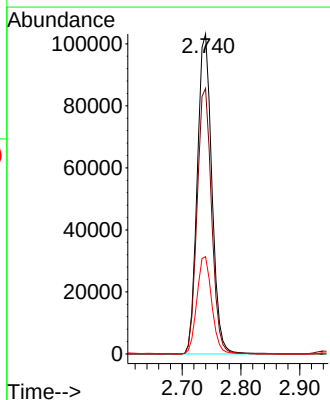
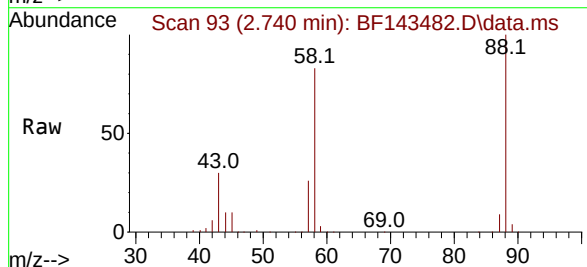
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

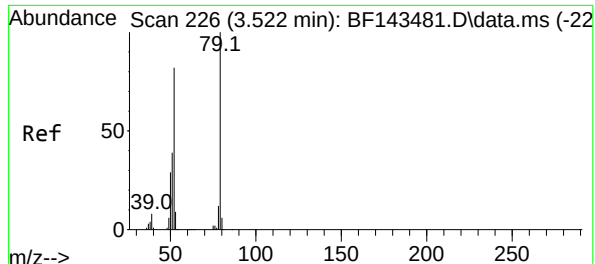
Tgt Ion:152 Resp: 136821
Ion Ratio Lower Upper
152 100
150 157.1 128.9 193.3
115 60.2 49.2 73.8



#2
1,4-Dioxane
Concen: 48.893 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 88 Resp: 177472
Ion Ratio Lower Upper
88 100
58 82.6 66.7 100.1
43 31.1 25.8 38.8





#3

Pyridine

Concen: 49.153 ng

RT: 3.516 min Scan# 216

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

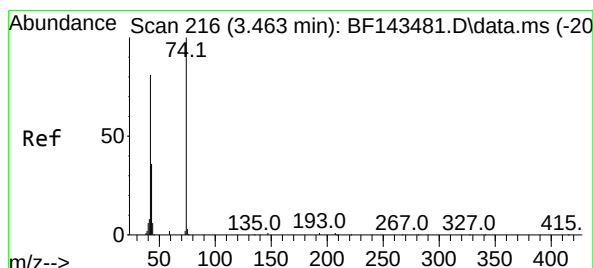
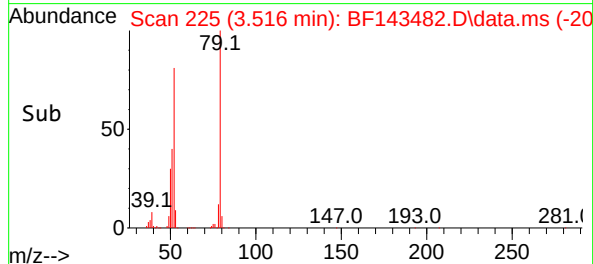
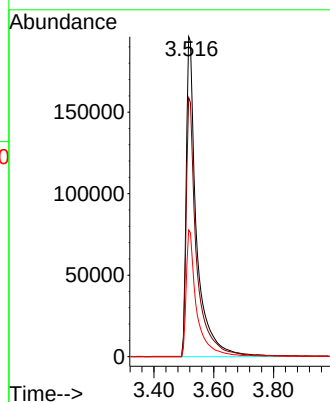
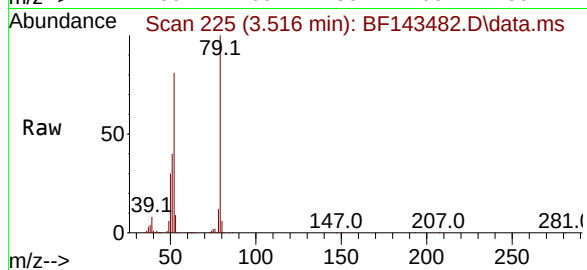
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 475201

Ion	Ratio	Lower	Upper
79	100		
52	80.9	65.6	98.4
51	39.6	31.2	46.8



#4

n-Nitrosodimethylamine

Concen: 49.825 ng

RT: 3.463 min Scan# 216

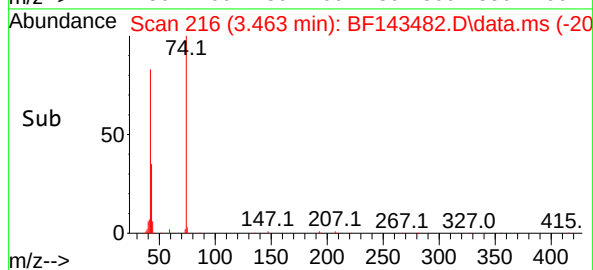
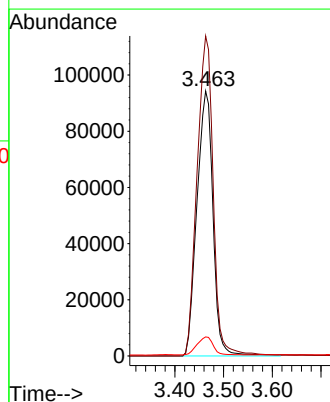
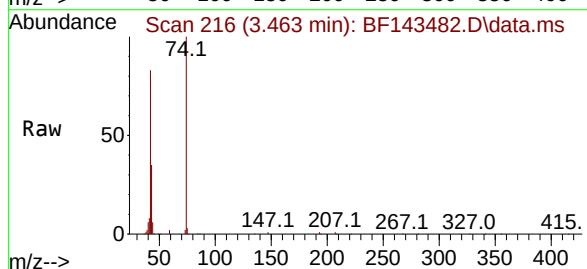
Delta R.T. -0.012 min

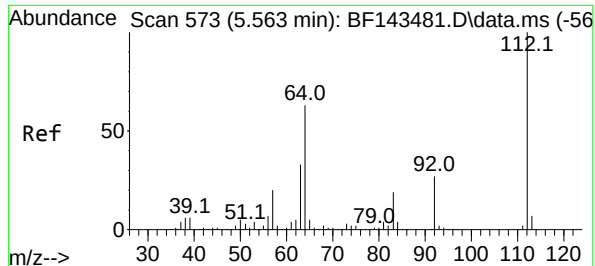
Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Tgt Ion: 42 Resp: 216544

Ion	Ratio	Lower	Upper
42	100		
74	120.7	98.6	148.0
44	7.2	5.8	8.8

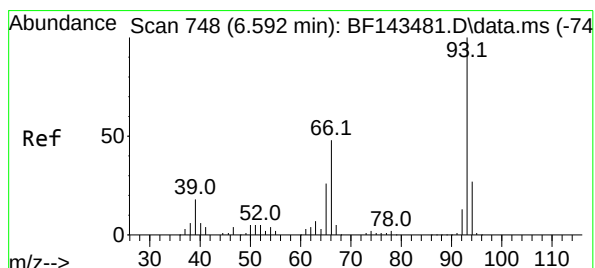
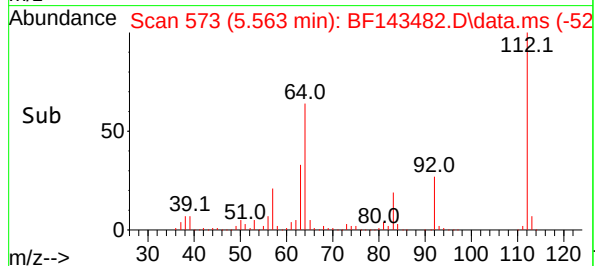
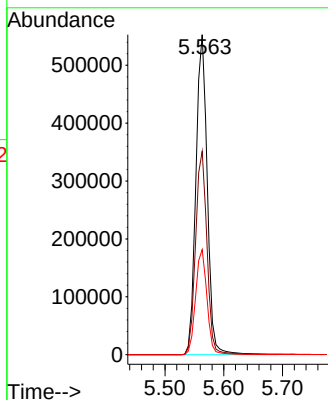
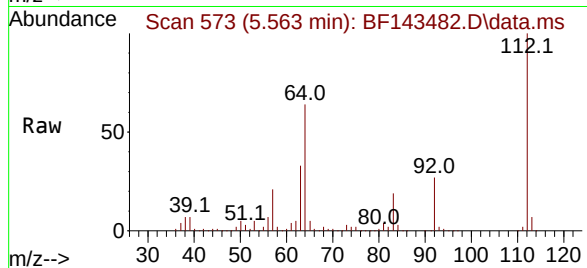




#5
2-Fluorophenol
Concen: 94.894 ng
RT: 5.563 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

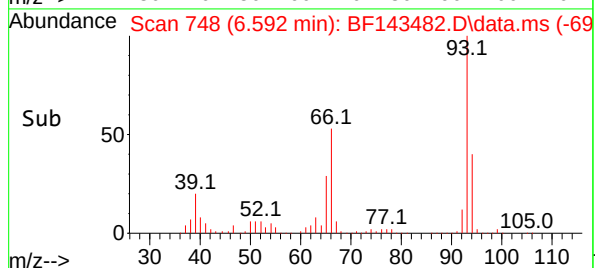
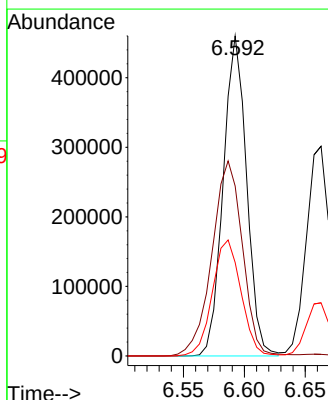
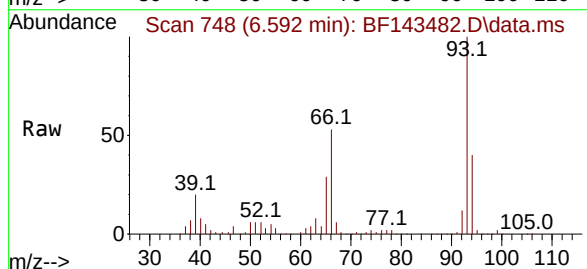
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

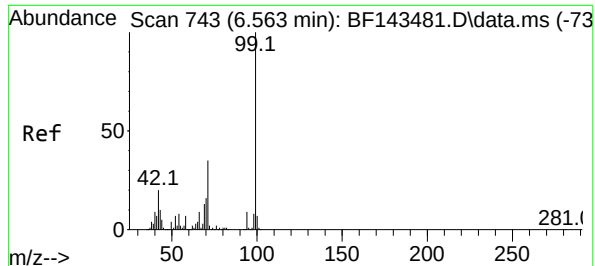
Tgt Ion:112 Resp: 743545
Ion Ratio Lower Upper
112 100
64 63.5 50.4 75.6
63 32.9 26.4 39.6



#6
Aniline
Concen: 47.614 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 93 Resp: 615592
Ion Ratio Lower Upper
93 100
66 53.1 38.9 58.3
65 29.2 20.6 30.8

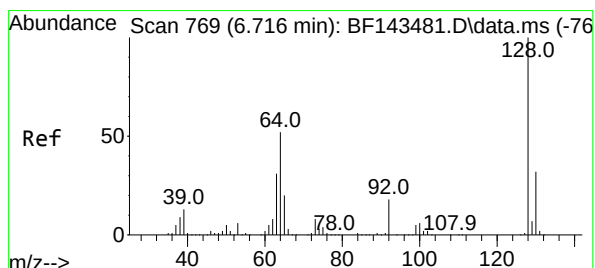
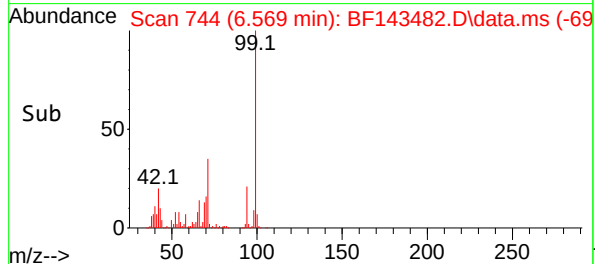
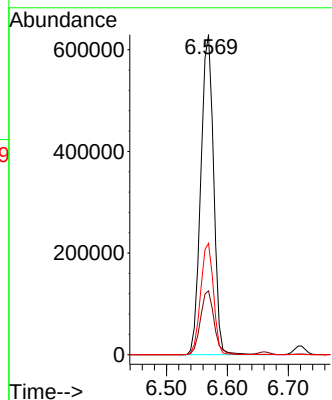
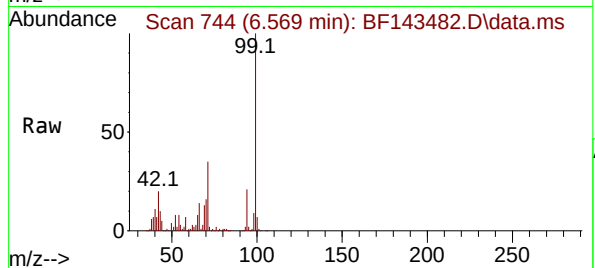




#7
Phenol-d6
Concen: 94.880 ng
RT: 6.569 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

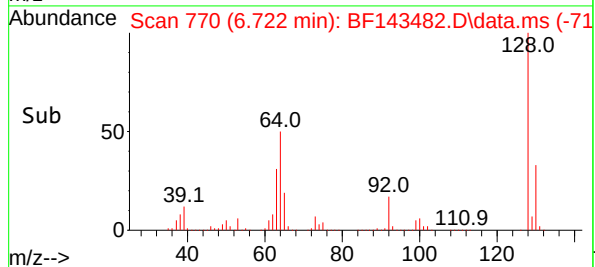
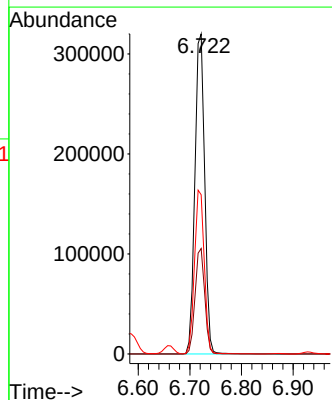
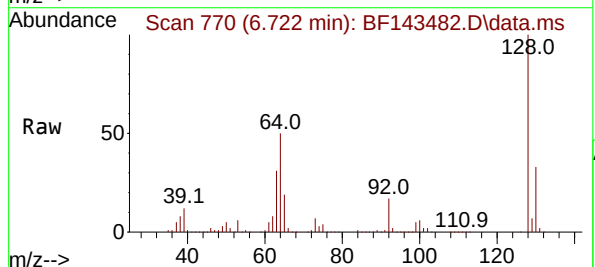
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

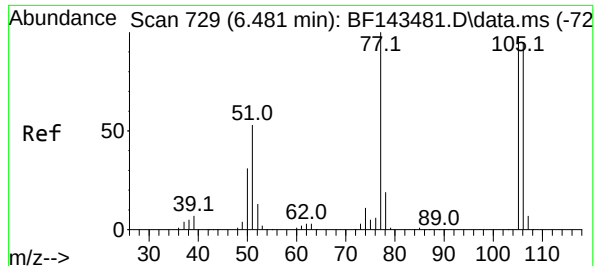
Tgt Ion: 99 Resp: 917735
Ion Ratio Lower Upper
99 100
42 19.9 16.3 24.5
71 34.8 28.2 42.2



#8
2-Chlorophenol
Concen: 48.589 ng
RT: 6.722 min Scan# 770
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 128 Resp: 420515
Ion Ratio Lower Upper
128 100
130 32.9 12.4 52.4
64 49.8 31.6 71.6





#9

Benzaldehyde

Concen: 49.497 ng

RT: 6.481 min Scan# 729

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

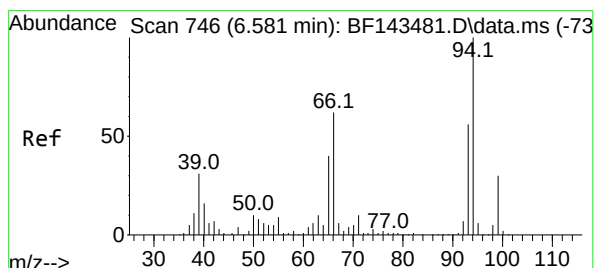
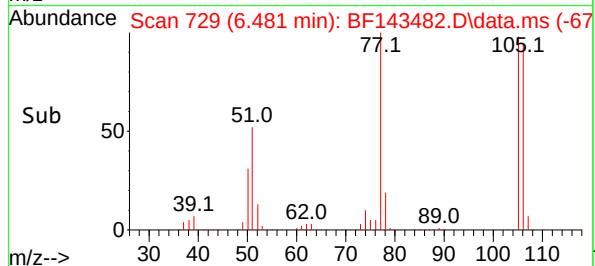
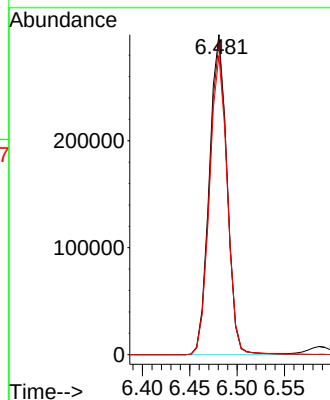
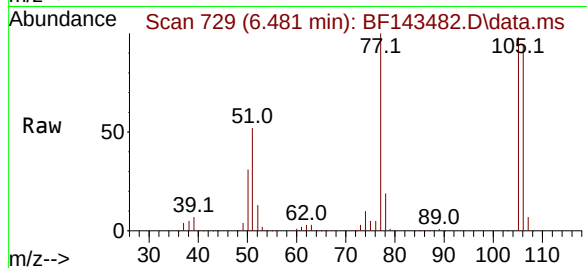
Tgt Ion: 77 Resp: 387617

Ion Ratio Lower Upper

77 100

105 97.5 78.1 118.1

106 93.5 74.9 114.9



#10

Phenol

Concen: 47.696 ng

RT: 6.581 min Scan# 746

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

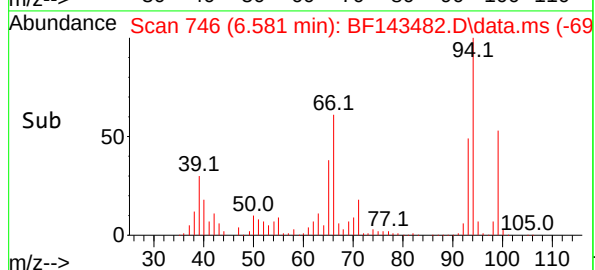
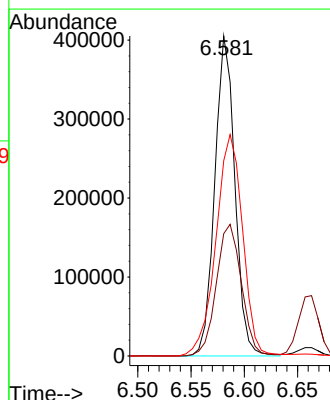
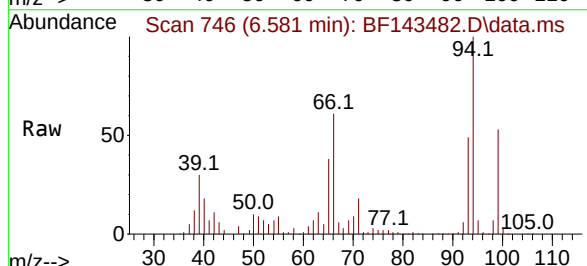
Tgt Ion: 94 Resp: 531465

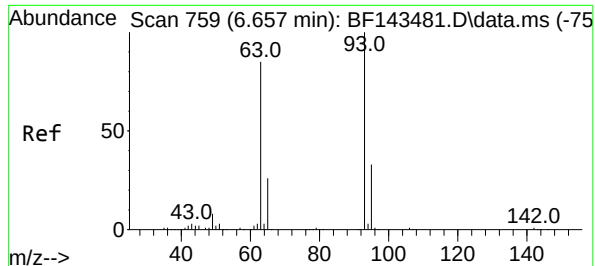
Ion Ratio Lower Upper

94 100

65 38.2 19.5 59.5

66 61.0 42.5 82.5

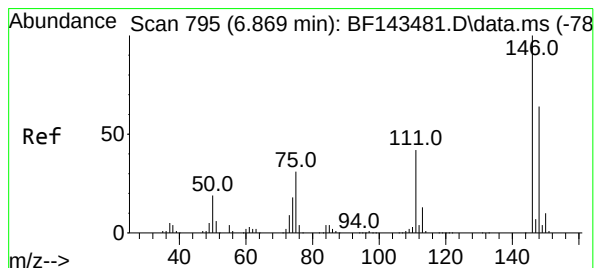
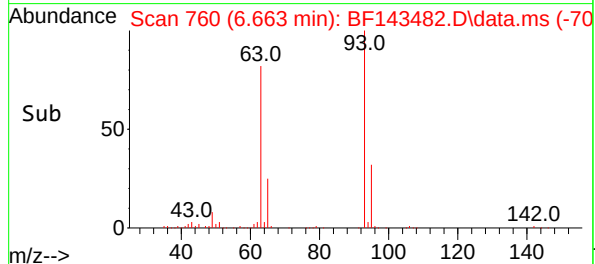
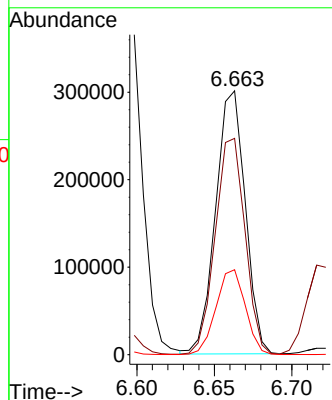
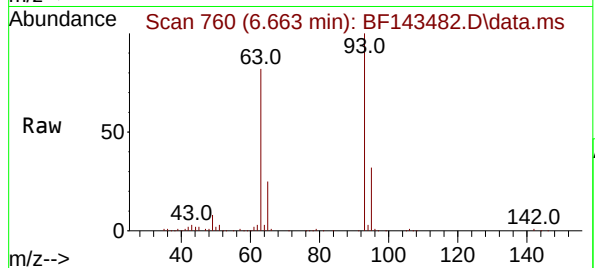




#11
bis(2-Chloroethyl)ether
Concen: 48.077 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

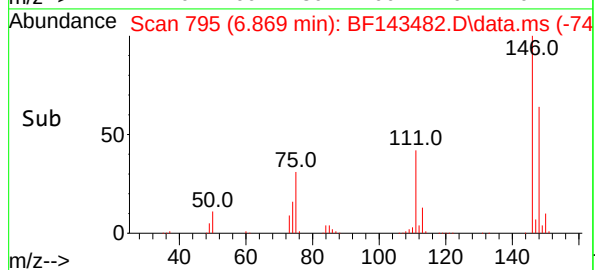
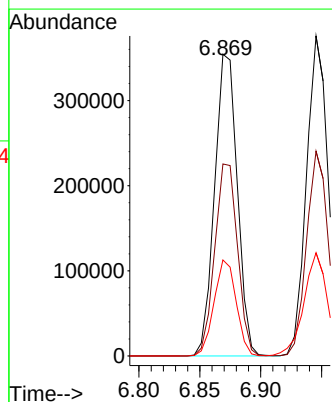
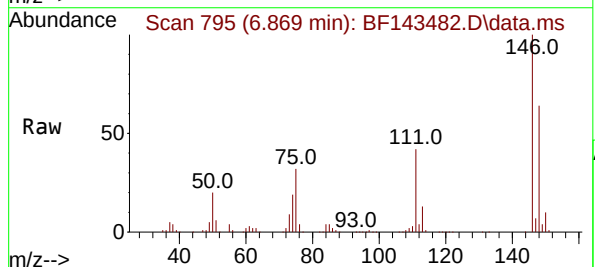
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

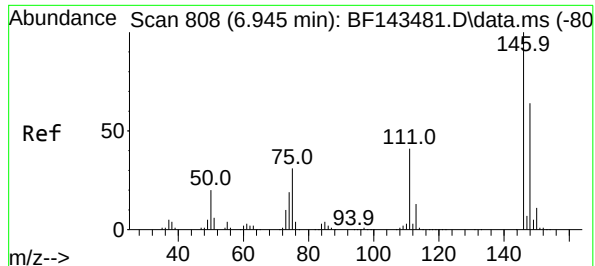
Tgt Ion: 93 Resp: 400326
Ion Ratio Lower Upper
93 100
63 82.0 63.6 103.6
95 32.2 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 47.316 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 146 Resp: 460100
Ion Ratio Lower Upper
146 100
148 63.6 51.3 76.9
75 31.8 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 47.503 ng

RT: 6.945 min Scan# 808

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

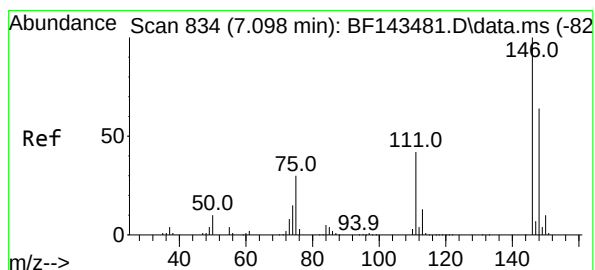
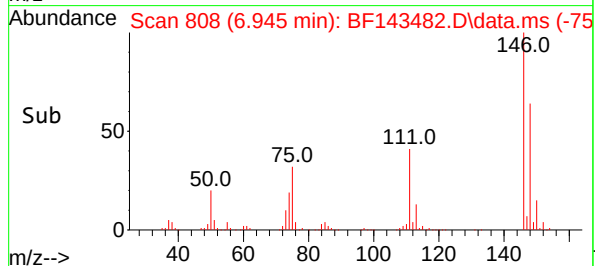
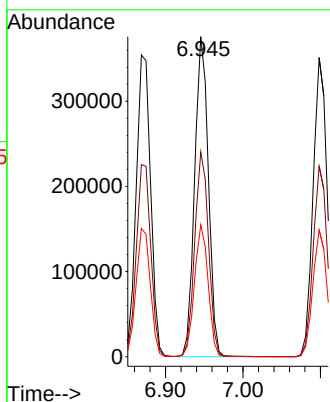
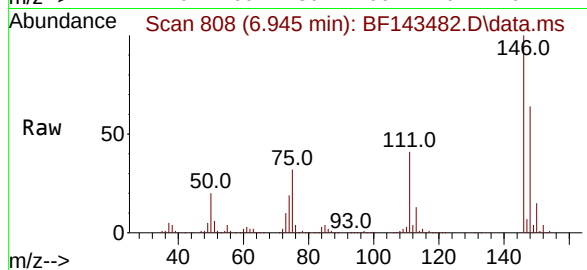
Tgt Ion:146 Resp: 463354

Ion Ratio Lower Upper

146 100

148 64.0 51.5 77.3

111 41.2 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 47.724 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

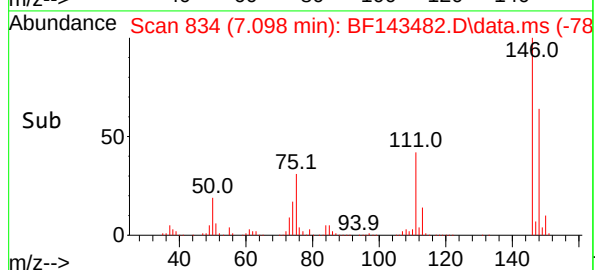
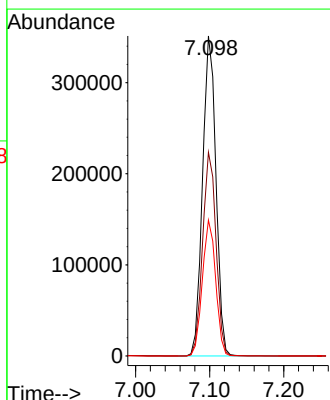
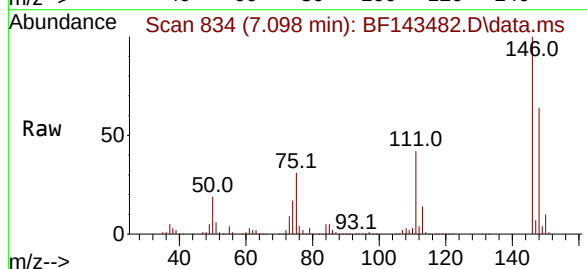
Tgt Ion:146 Resp: 440736

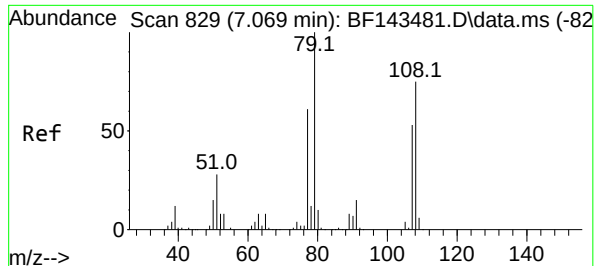
Ion Ratio Lower Upper

146 100

148 63.7 51.0 76.6

111 42.4 34.0 51.0





#15

Benzyl Alcohol

Concen: 49.130 ng

RT: 7.069 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

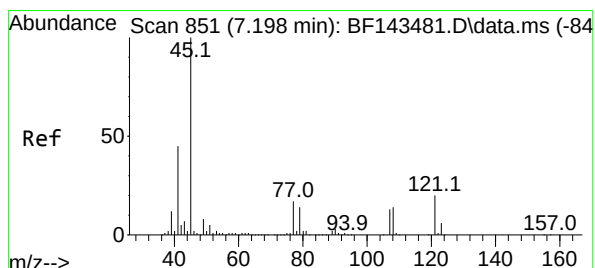
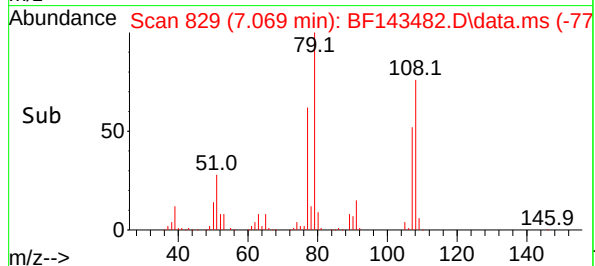
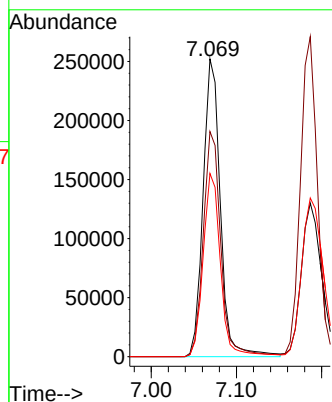
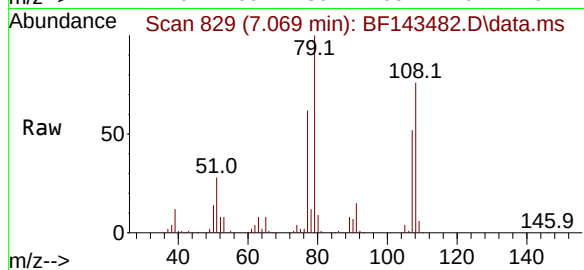
Tgt Ion: 79 Resp: 355789

Ion Ratio Lower Upper

79 100

108 75.6 59.8 89.6

77 61.5 49.0 73.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.354 ng

RT: 7.198 min Scan# 851

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

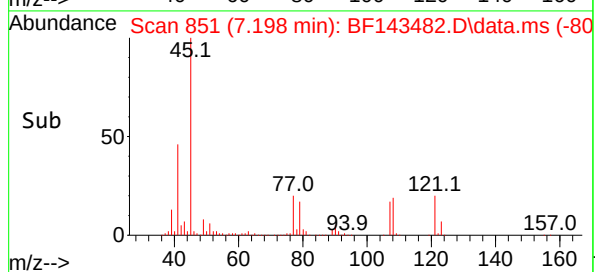
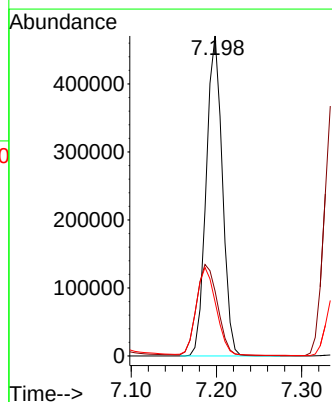
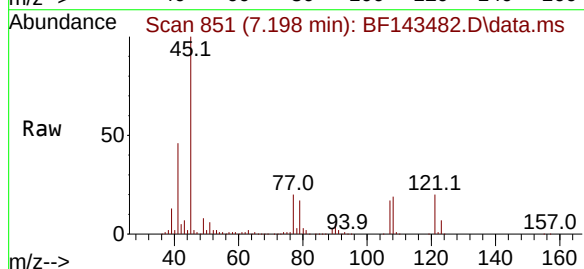
Tgt Ion: 45 Resp: 617519

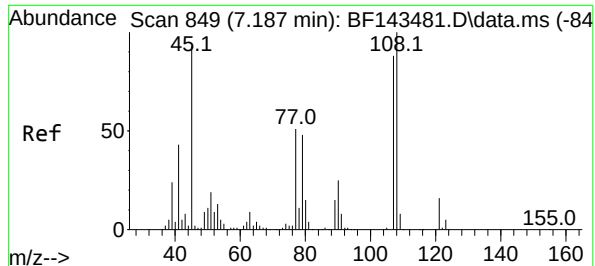
Ion Ratio Lower Upper

45 100

77 20.2 0.0 37.9

79 16.9 0.0 34.7

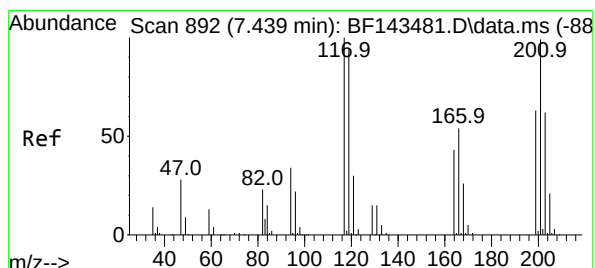
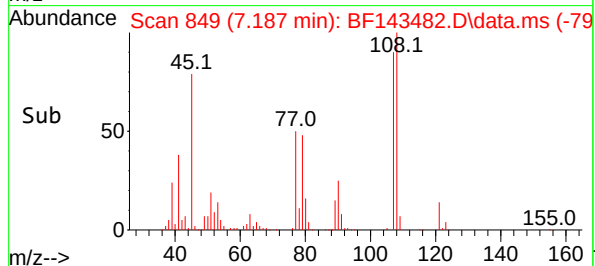
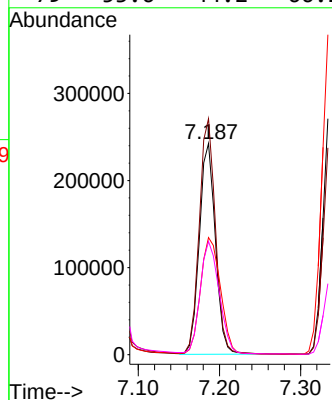
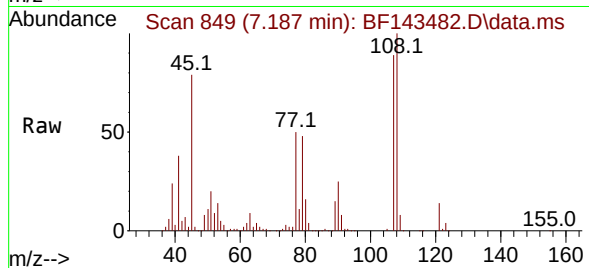




#17
2-Methylphenol
Concen: 48.029 ng
RT: 7.187 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

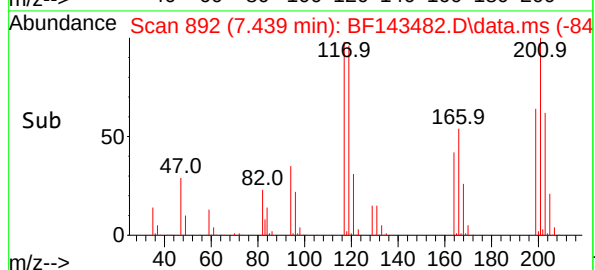
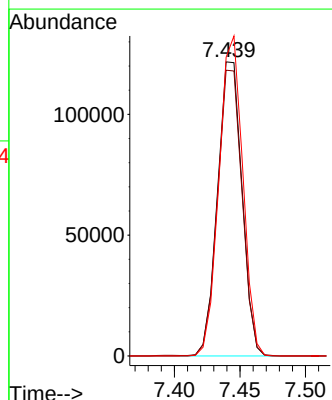
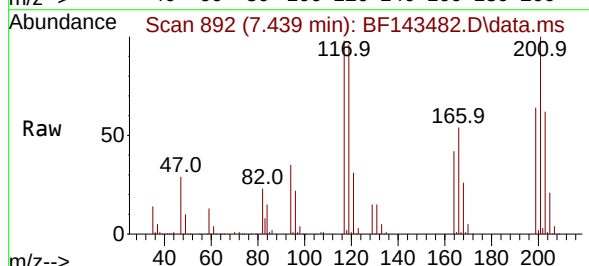
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

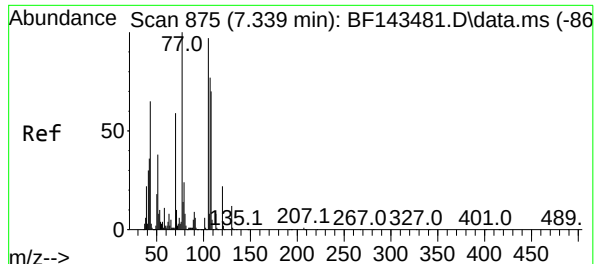
Tgt Ion:107 Resp: 333608
Ion Ratio Lower Upper
107 100
108 111.7 91.1 136.7
77 55.4 46.2 69.4
79 53.6 44.2 66.2



#18
Hexachloroethane
Concen: 47.633 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:117 Resp: 157972
Ion Ratio Lower Upper
117 100
119 97.2 75.4 113.0
201 101.6 79.0 118.4





#19

n-Nitroso-di-n-propylamine

Concen: 46.266 ng

RT: 7.339 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 273528

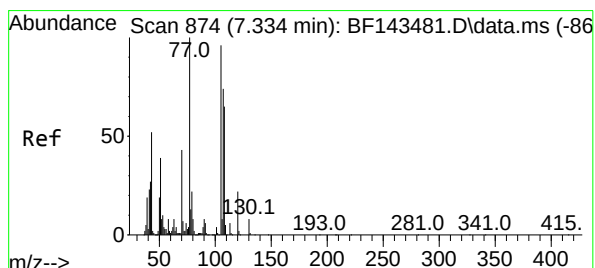
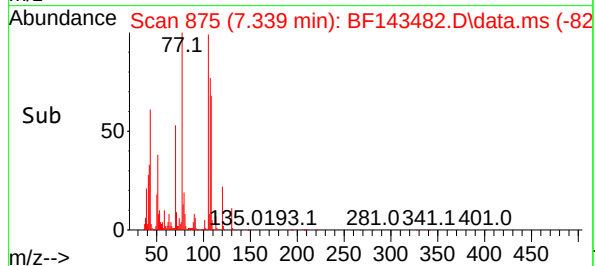
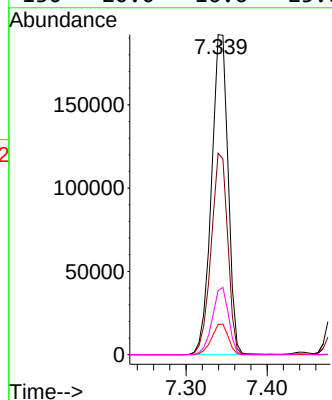
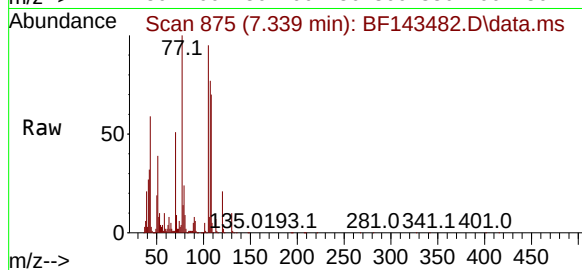
Ion Ratio Lower Upper

70 100

42 62.9 49.3 73.9

101 9.5 7.8 11.8

130 20.0 16.6 25.0



#20

3+4-Methylphenols

Concen: 47.167 ng

RT: 7.339 min Scan# 875

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Tgt Ion: 107 Resp: 391106

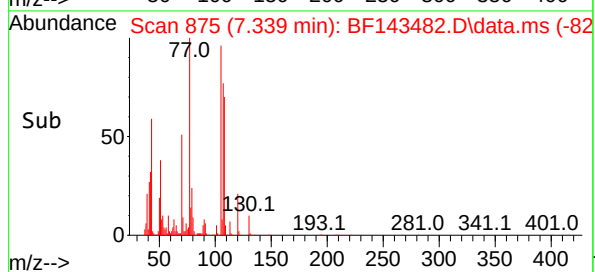
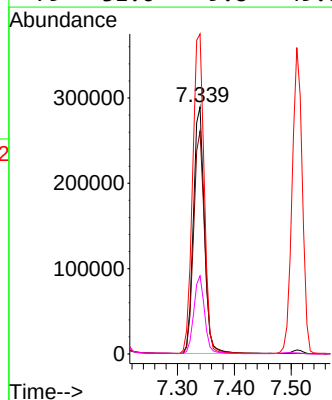
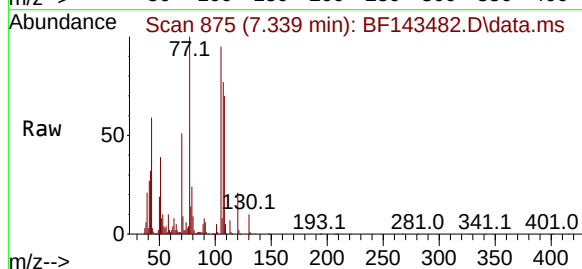
Ion Ratio Lower Upper

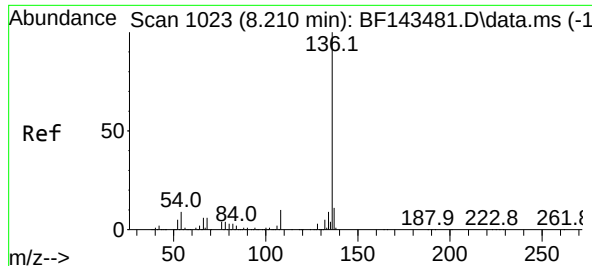
107 100

108 90.2 68.4 108.4

77 129.6 116.1 156.1

79 31.6 9.8 49.8

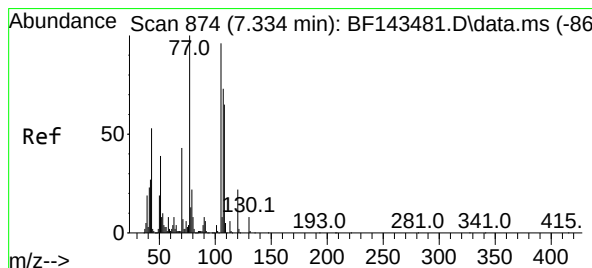
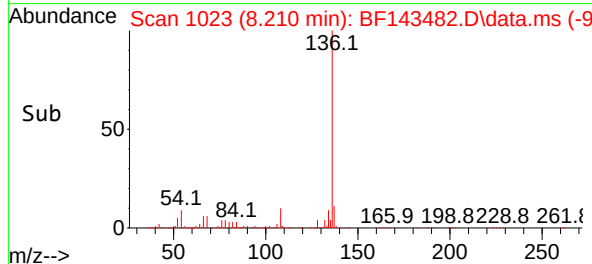
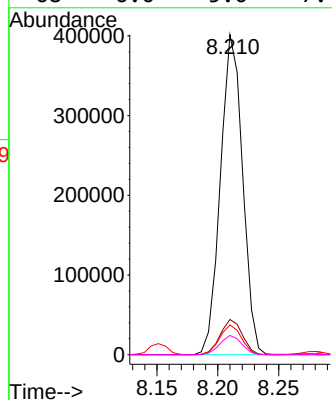
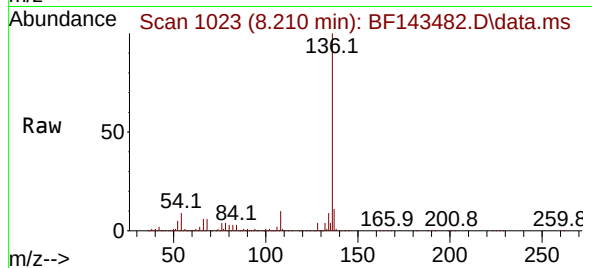




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

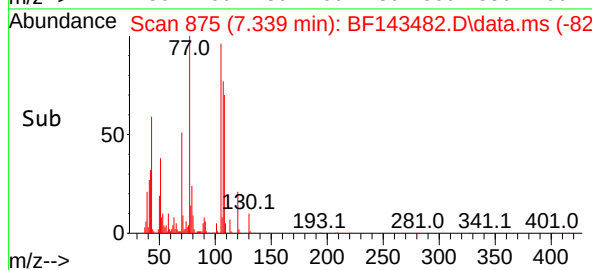
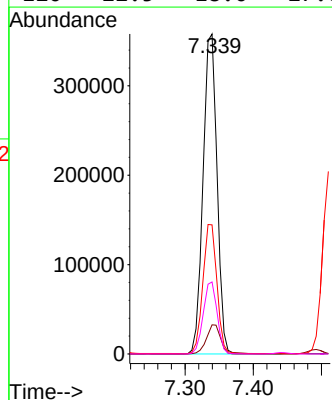
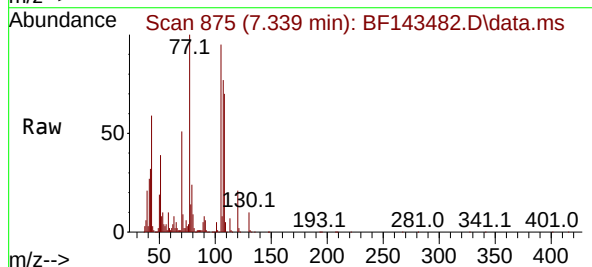
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

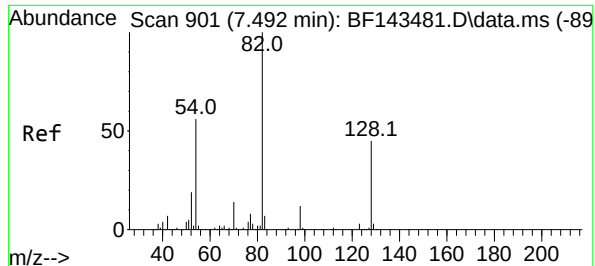
Tgt Ion:	136	Resp:	508977
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.3	7.4	11.2
68	6.0	5.0	7.4



#22
Acetophenone
Concen: 46.526 ng
RT: 7.339 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:	105	Resp:	511600
Ion	Ratio	Lower	Upper
105	100		
71	9.1	5.9	8.9
51	40.3	32.5	48.7
120	22.5	18.0	27.0





#23

Nitrobenzene-d5

Concen: 97.674 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

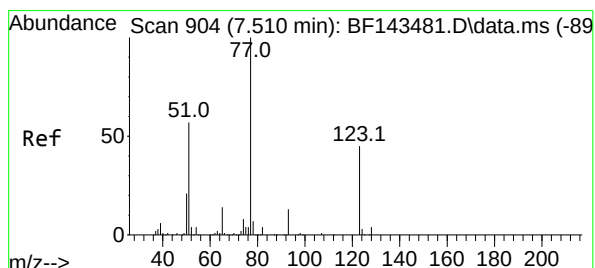
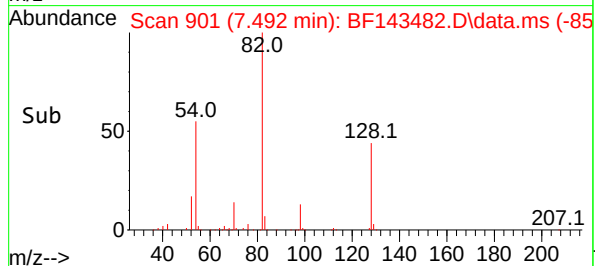
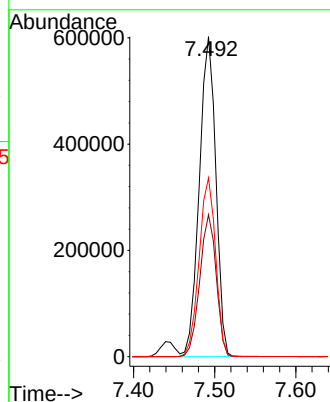
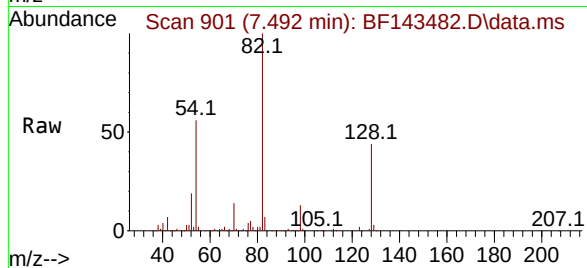
Tgt Ion: 82 Resp: 851921

Ion Ratio Lower Upper

82 100

128 44.3 35.5 53.3

54 55.8 44.3 66.5



#24

Nitrobenzene

Concen: 49.387 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

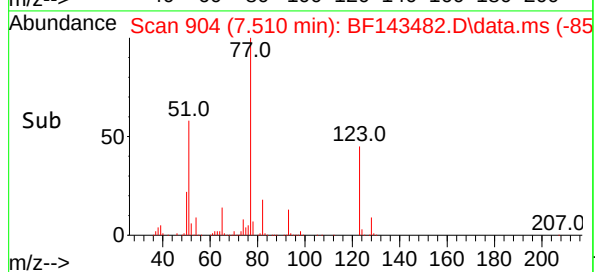
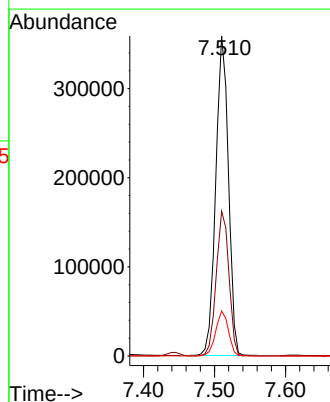
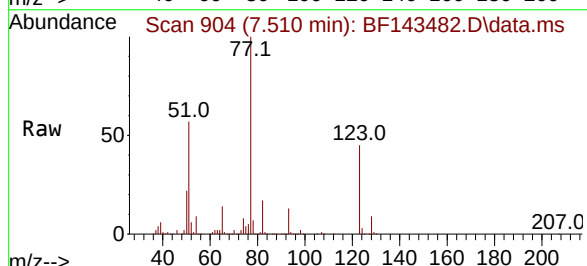
Tgt Ion: 77 Resp: 443345

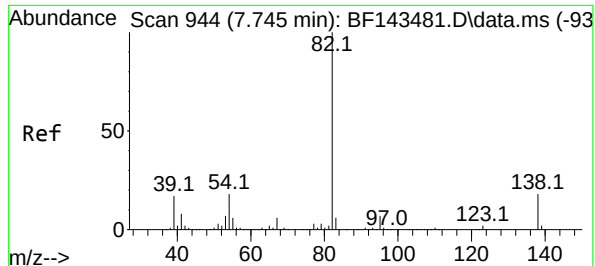
Ion Ratio Lower Upper

77 100

123 45.2 36.1 54.1

65 14.1 11.0 16.6

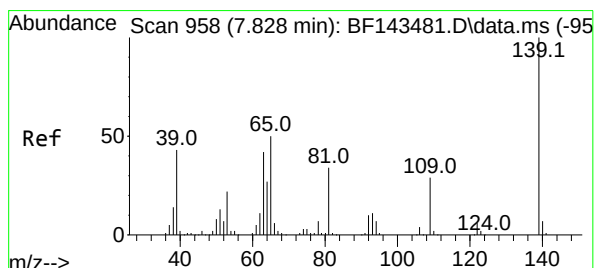
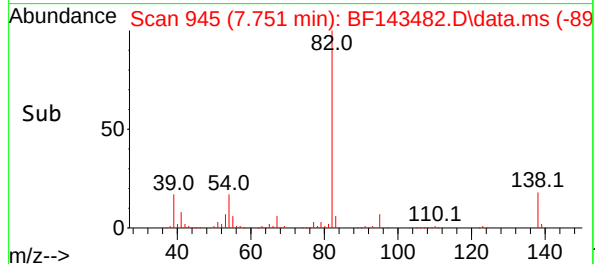
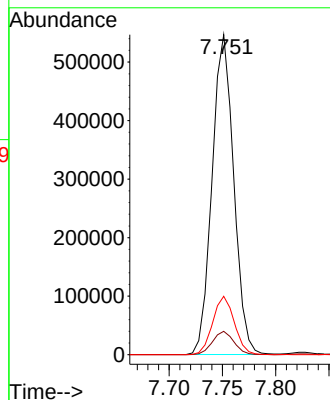
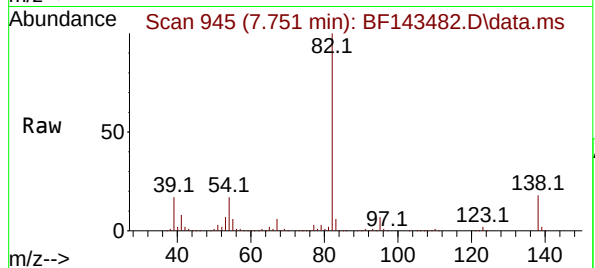




#25
Isophorone
Concen: 48.401 ng
RT: 7.751 min Scan# 945
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

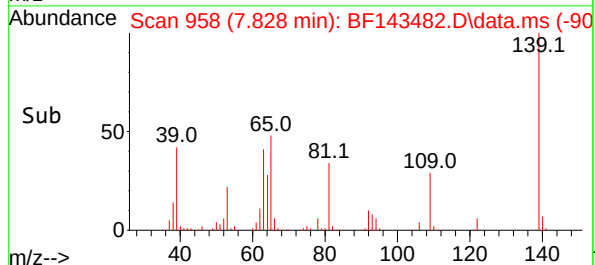
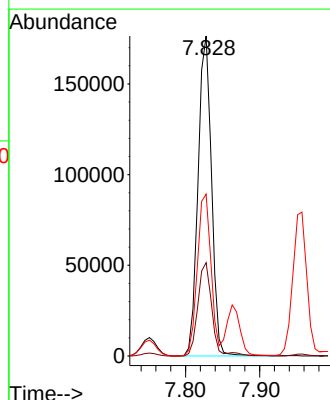
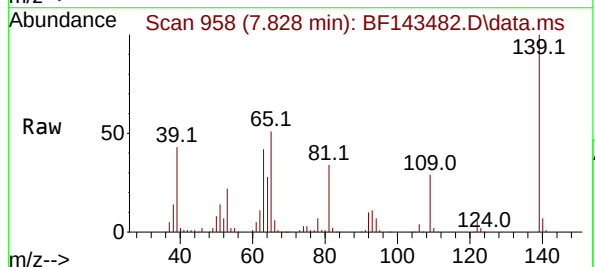
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

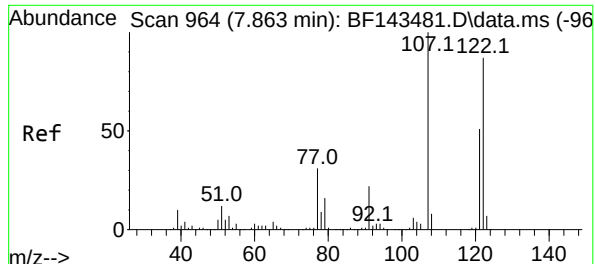
Tgt Ion: 82 Resp: 773853
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 18.3 14.2 21.4



#26
2-Nitrophenol
Concen: 50.572 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 139 Resp: 222383
Ion Ratio Lower Upper
139 100
109 29.1 23.0 34.6
65 50.5 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 48.606 ng

RT: 7.863 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

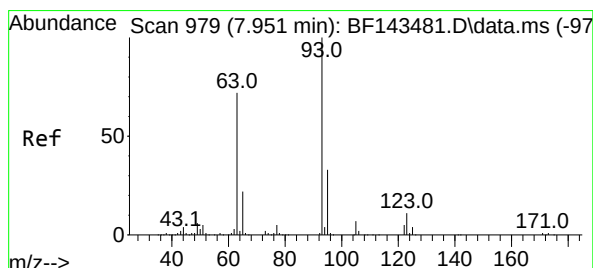
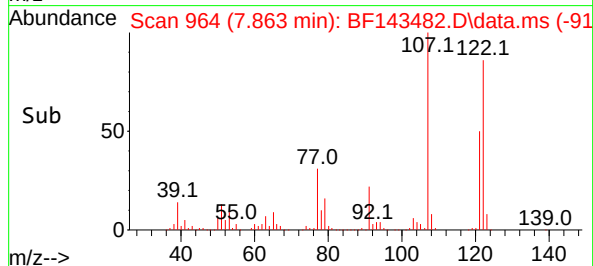
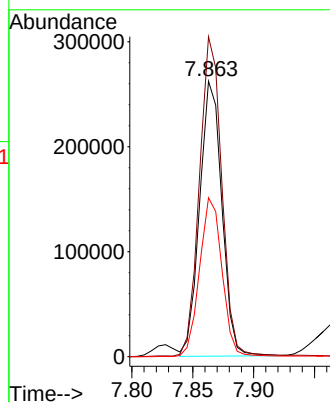
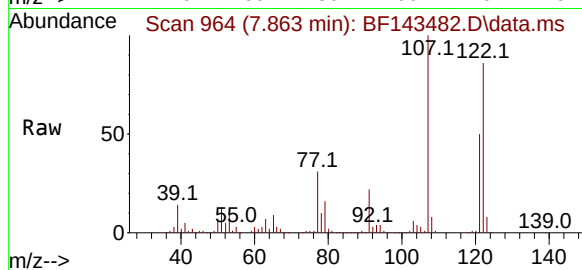
Tgt Ion:122 Resp: 333188

Ion Ratio Lower Upper

122 100

107 116.2 91.5 137.3

121 57.7 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 48.070 ng

RT: 7.957 min Scan# 980

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

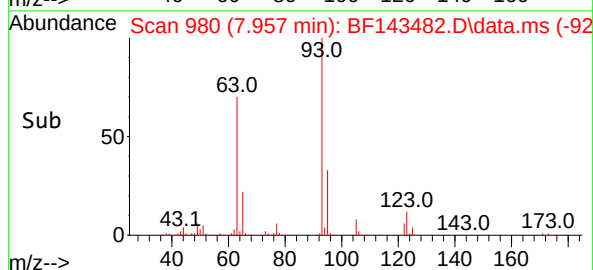
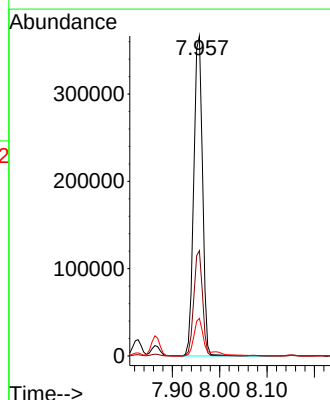
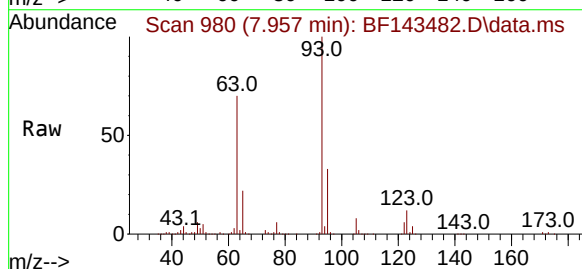
Tgt Ion: 93 Resp: 472331

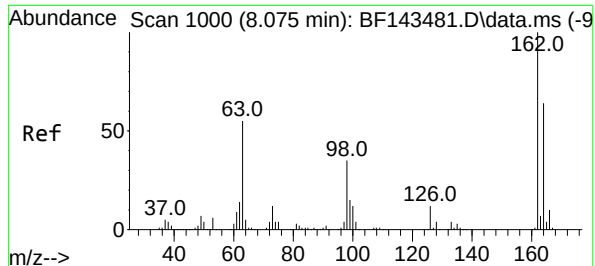
Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 48.908 ng

RT: 8.075 min Scan# 1000

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

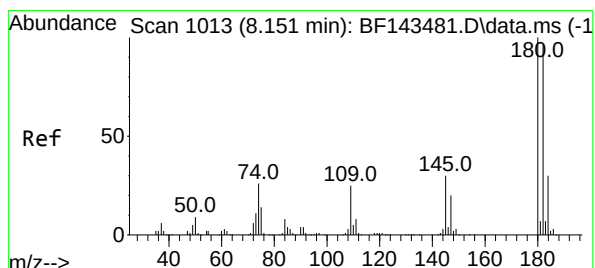
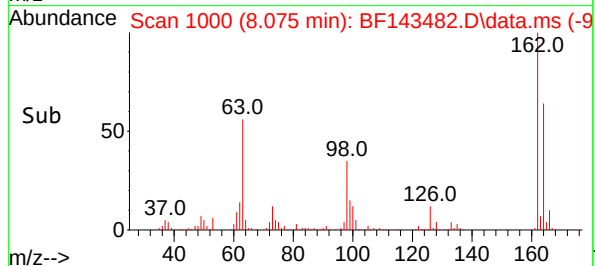
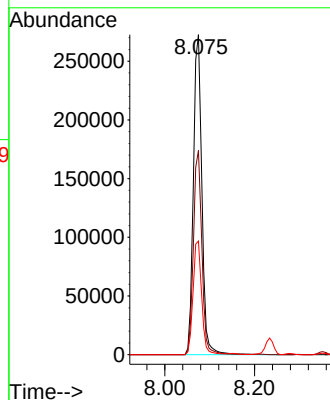
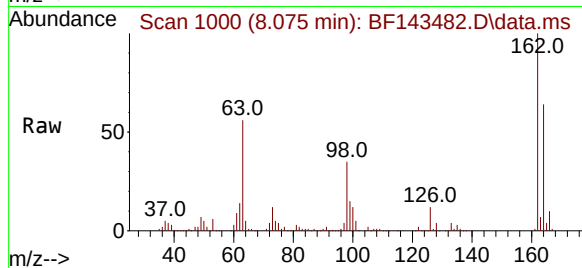
Tgt Ion:162 Resp: 358054

Ion Ratio Lower Upper

162 100

164 63.8 43.5 83.5

98 35.5 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 47.673 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

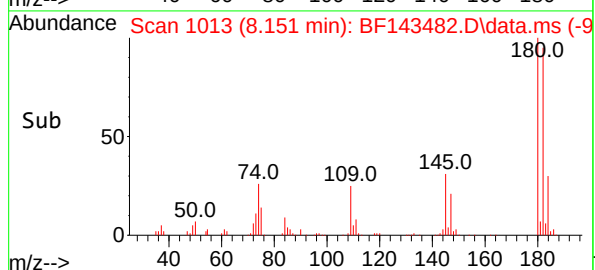
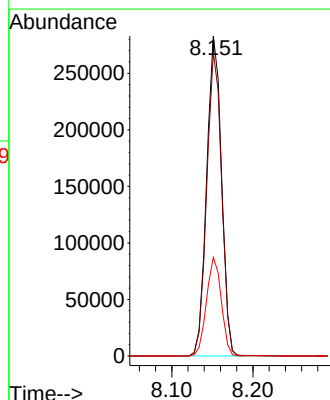
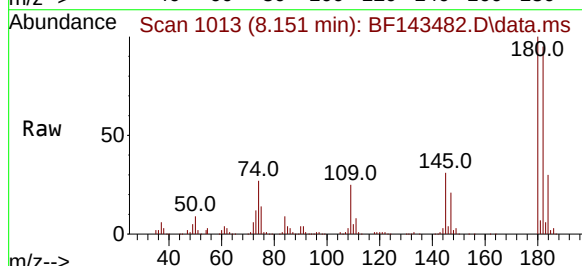
Tgt Ion:180 Resp: 358839

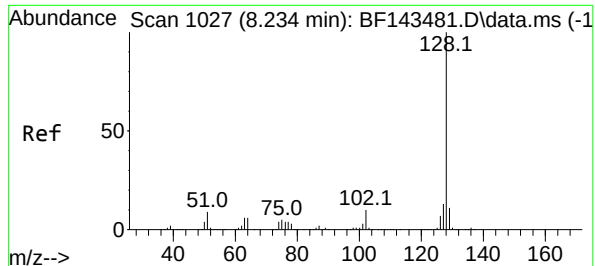
Ion Ratio Lower Upper

180 100

182 94.9 76.6 114.8

145 30.8 24.3 36.5





#31

Naphthalene

Concen: 47.228 ng

RT: 8.234 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

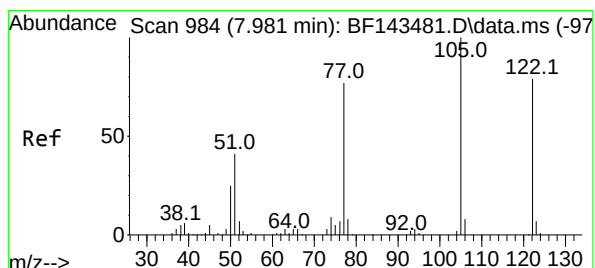
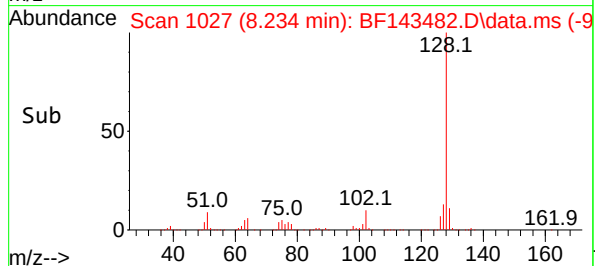
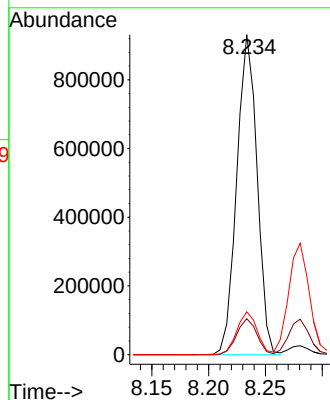
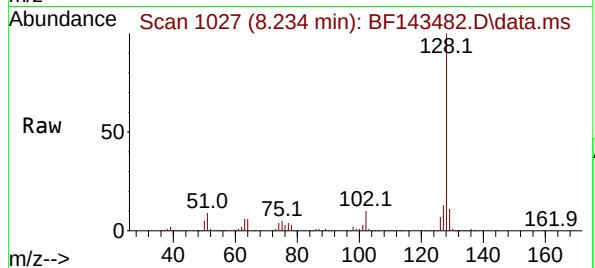
Tgt Ion:128 Resp: 1154068

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 49.619 ng

RT: 7.992 min Scan# 986

Delta R.T. -0.018 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

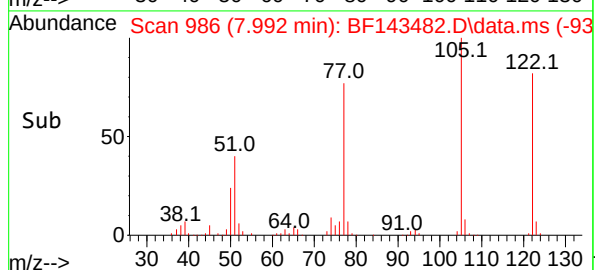
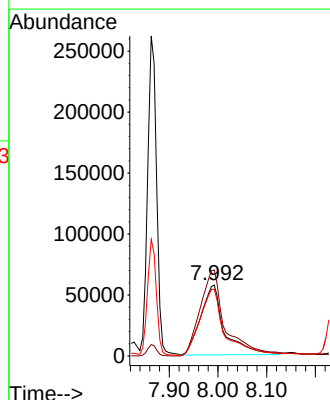
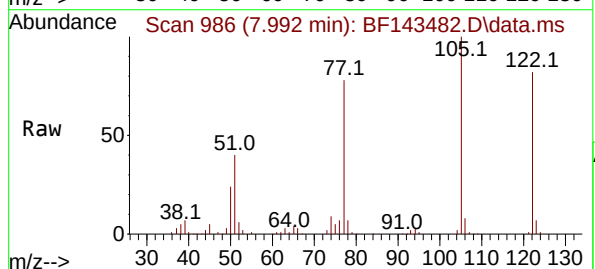
Tgt Ion:122 Resp: 194231

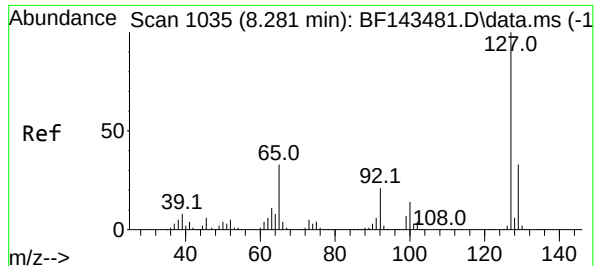
Ion Ratio Lower Upper

122 100

105 121.3 104.7 144.7

77 94.1 77.3 117.3





#33

4-Chloroaniline

Concen: 48.617 ng

RT: 8.281 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 421648

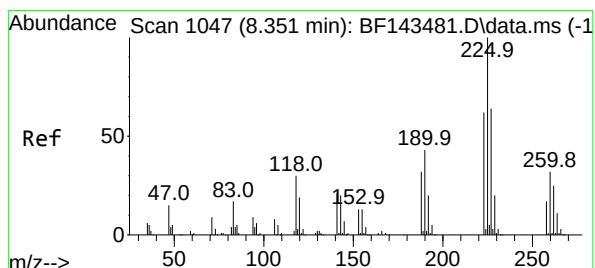
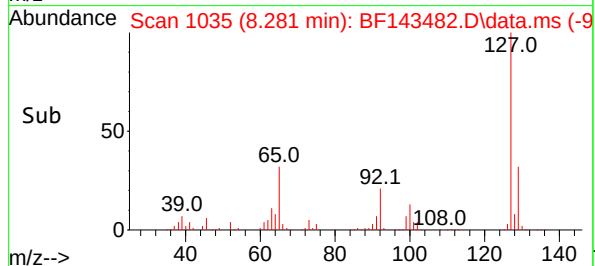
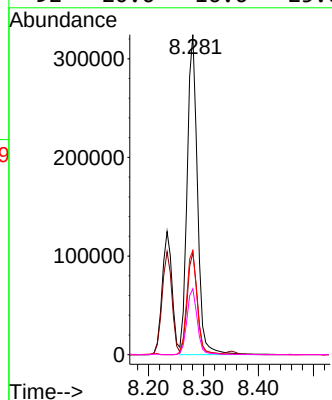
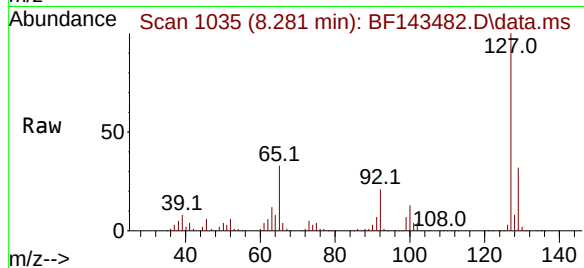
Ion Ratio Lower Upper

127 100

129 31.9 26.1 39.1

65 32.5 26.2 39.2

92 20.6 16.6 25.0



#34

Hexachlorobutadiene

Concen: 48.095 ng

RT: 8.351 min Scan# 1047

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

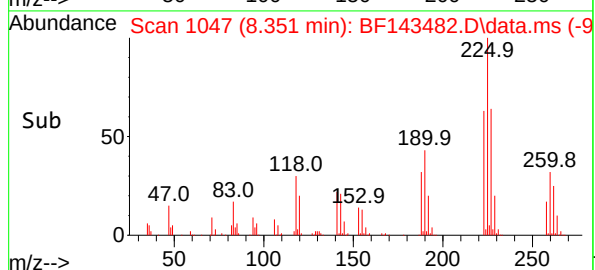
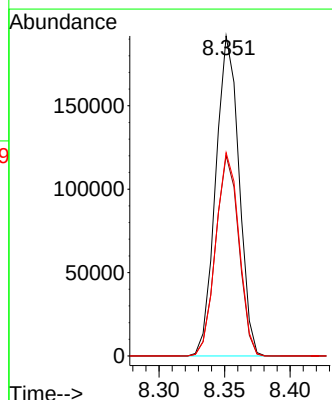
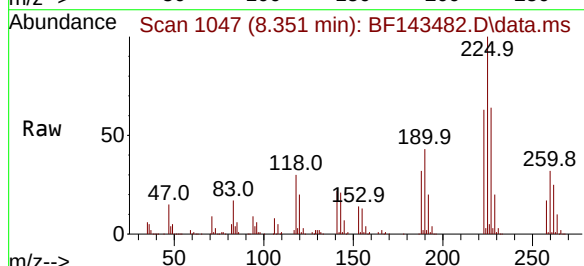
Tgt Ion:225 Resp: 236186

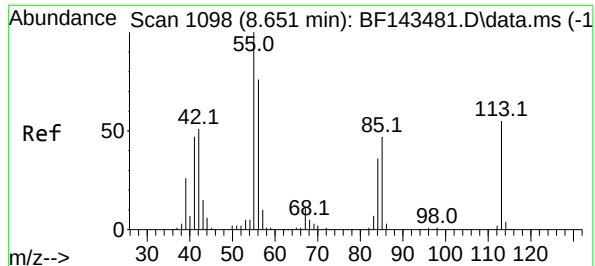
Ion Ratio Lower Upper

225 100

223 62.7 49.9 74.9

227 63.6 50.9 76.3





#35

Caprolactam

Concen: 51.340 ng

RT: 8.657 min Scan# 1099

Delta R.T. -0.018 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

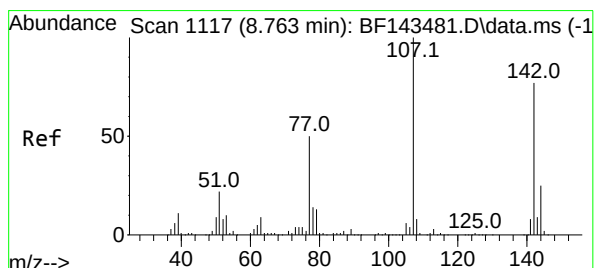
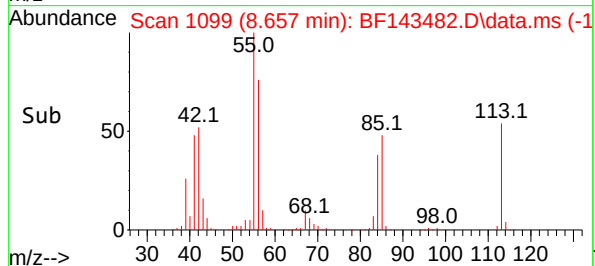
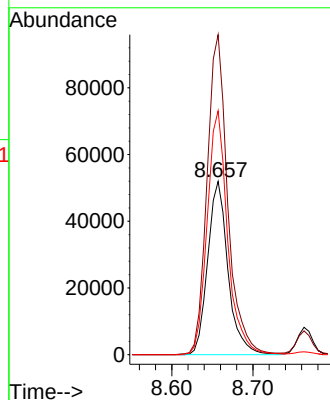
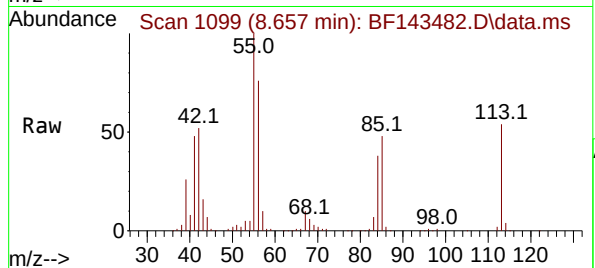
Tgt Ion:113 Resp: 90192

Ion Ratio Lower Upper

113 100

55 184.7 162.8 202.8

56 140.7 118.1 158.1



#36

4-Chloro-3-methylphenol

Concen: 48.497 ng

RT: 8.763 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

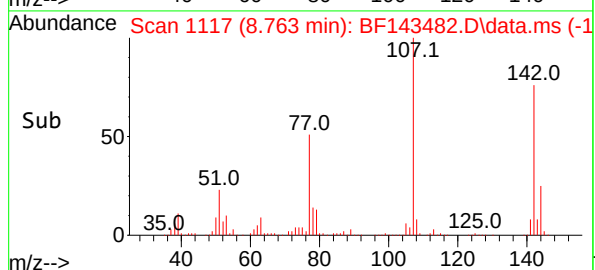
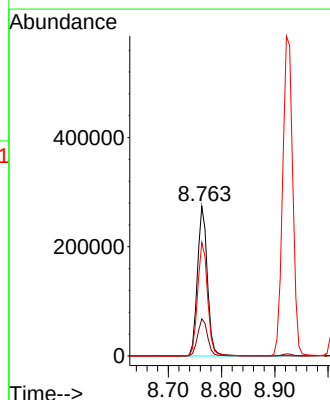
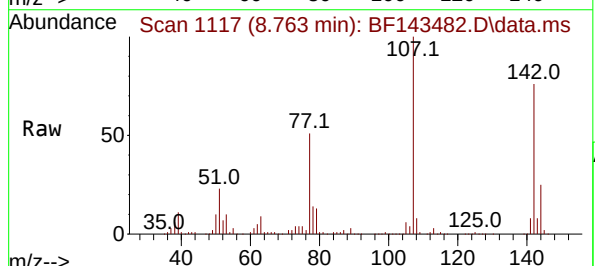
Tgt Ion:107 Resp: 355809

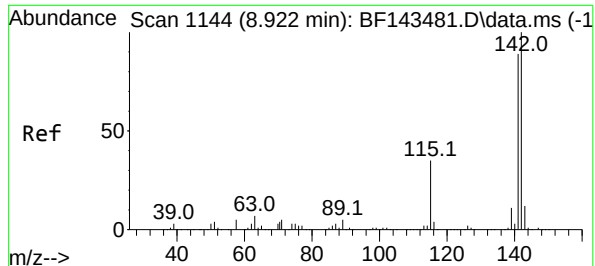
Ion Ratio Lower Upper

107 100

144 24.9 19.9 29.9

142 75.9 61.8 92.8





#37

2-Methylnaphthalene

Concen: 46.774 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

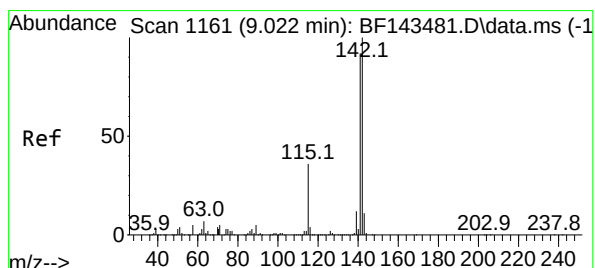
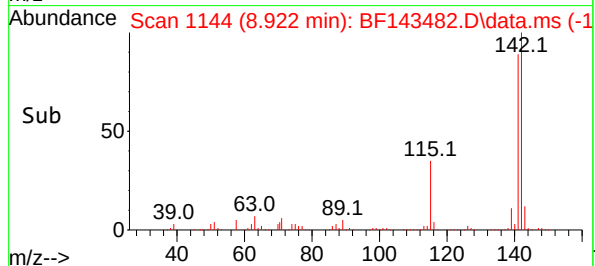
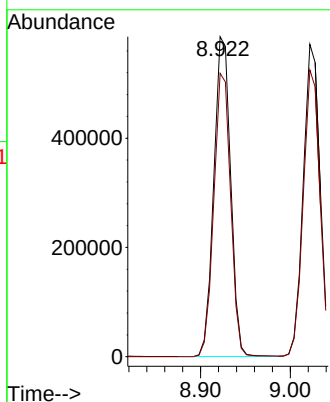
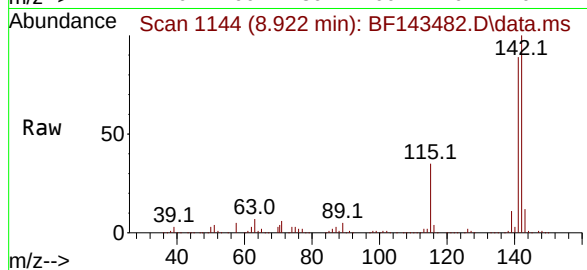
SSTDICC050

Tgt Ion:142 Resp: 763368

Ion Ratio Lower Upper

142 100

141 88.5 71.0 106.4



#38

1-Methylnaphthalene

Concen: 47.049 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF143482.D

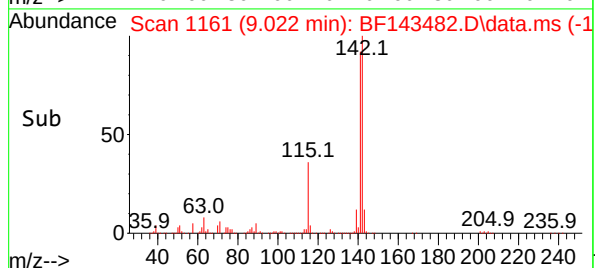
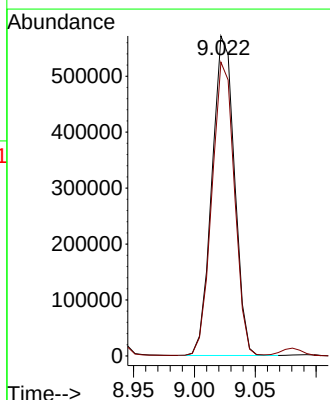
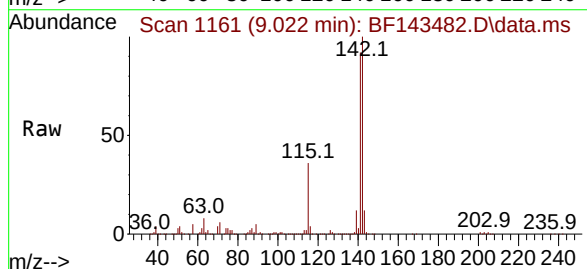
Acq: 20 Aug 2025 13:22

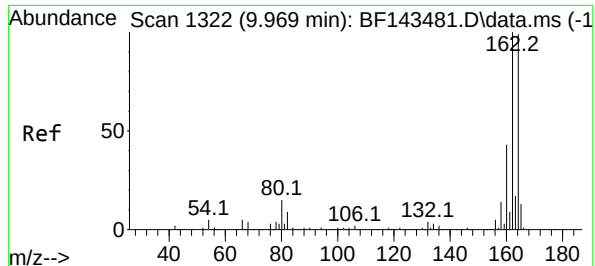
Tgt Ion:142 Resp: 734490

Ion Ratio Lower Upper

142 100

141 91.8 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

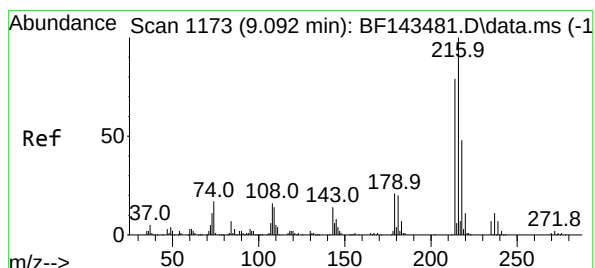
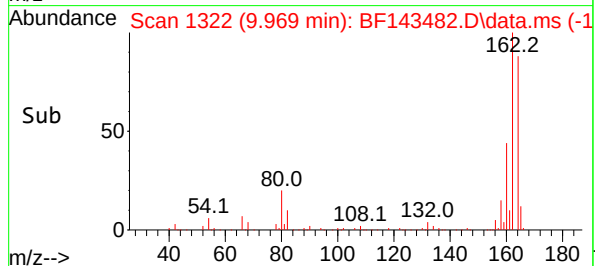
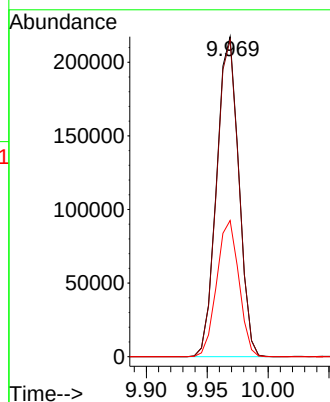
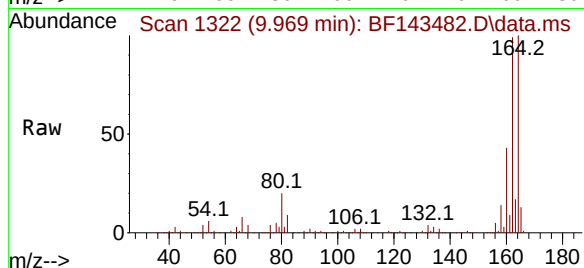
Tgt Ion:164 Resp: 274766

Ion Ratio Lower Upper

164 100

162 98.9 80.5 120.7

160 42.6 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.541 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Tgt Ion:216 Resp: 373639

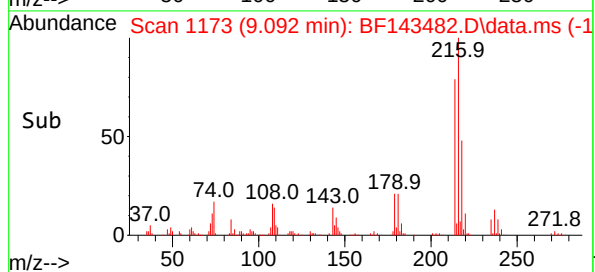
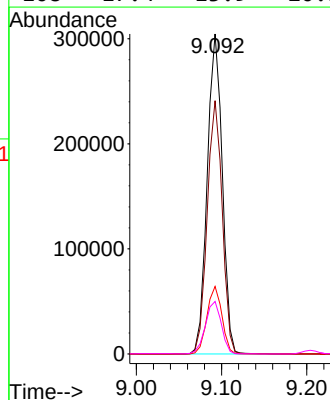
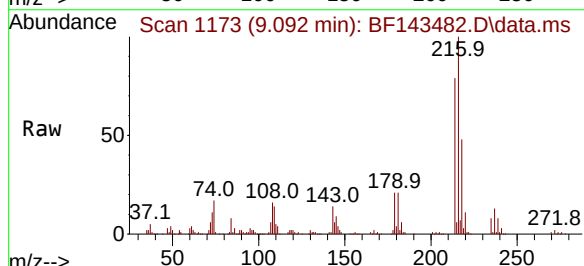
Ion Ratio Lower Upper

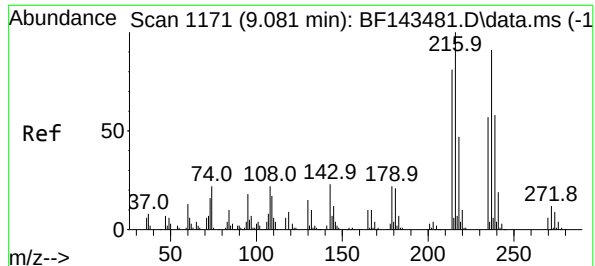
216 100

214 78.9 63.4 95.0

179 20.9 16.5 24.7

108 17.4 13.9 20.9

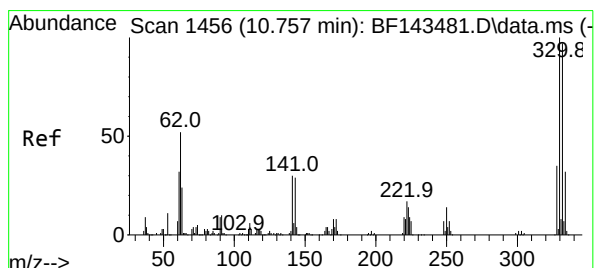
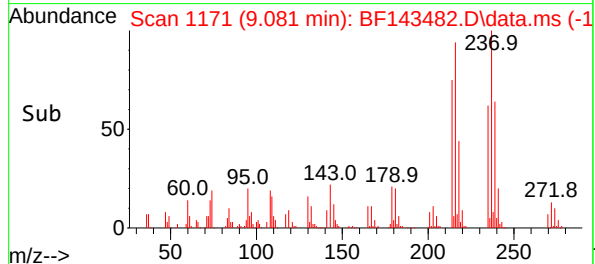
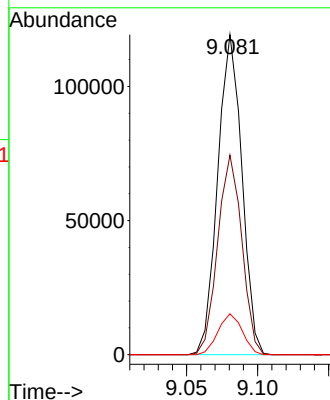
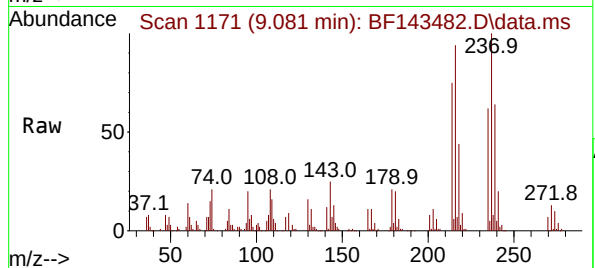




#41
Hexachlorocyclopentadiene
Concen: 48.905 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

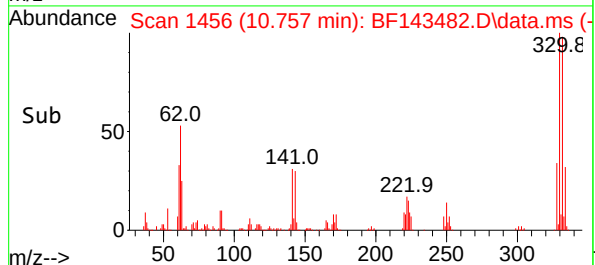
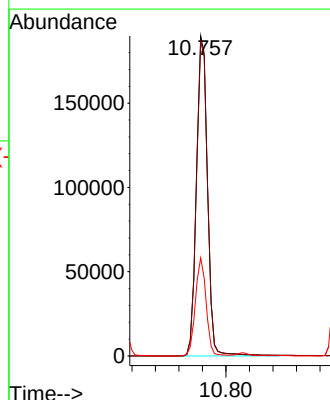
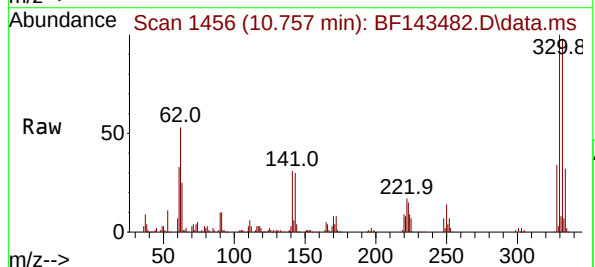
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

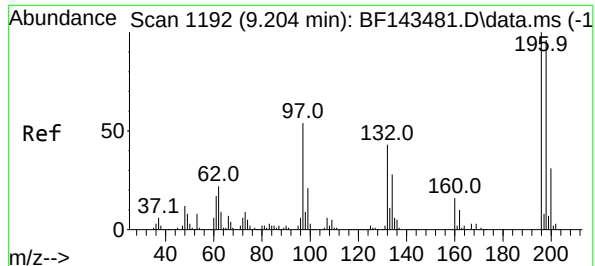
Tgt Ion:237 Resp: 141023
Ion Ratio Lower Upper
237 100
235 62.3 42.6 82.6
272 12.8 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 97.306 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:330 Resp: 248877
Ion Ratio Lower Upper
330 100
332 98.3 78.0 117.0
141 29.6 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 49.900 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

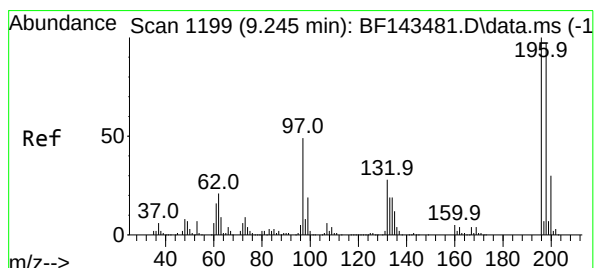
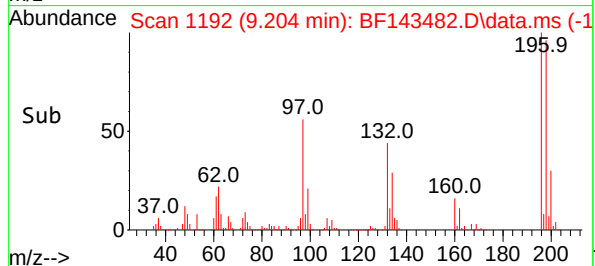
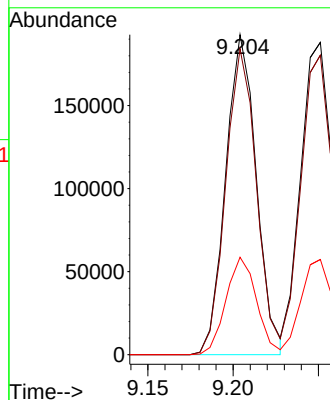
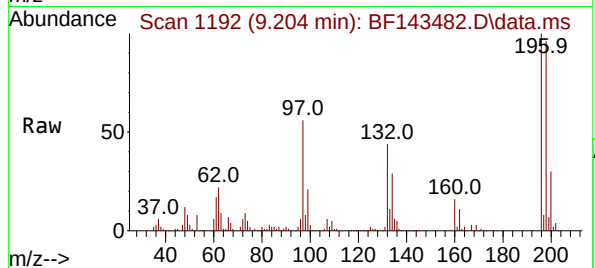
Tgt Ion:196 Resp: 241322

Ion Ratio Lower Upper

196 100

198 95.5 77.0 115.4

200 30.4 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 49.041 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Tgt Ion:196 Resp: 259061

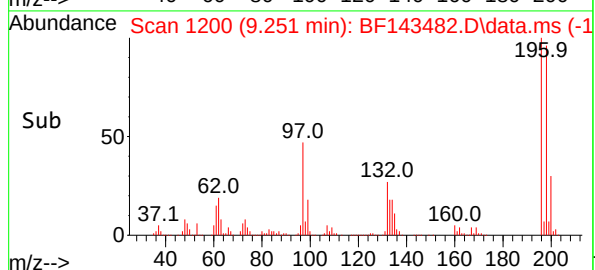
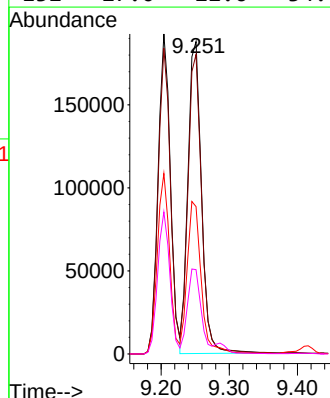
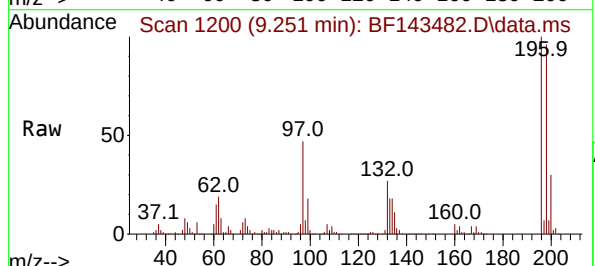
Ion Ratio Lower Upper

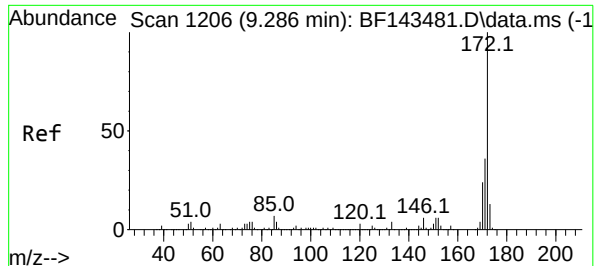
196 100

198 95.9 77.3 115.9

97 47.2 40.0 60.0

132 27.0 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 91.359 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

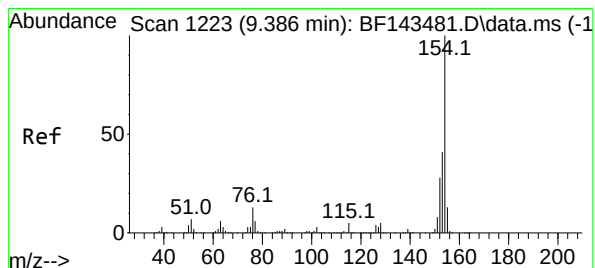
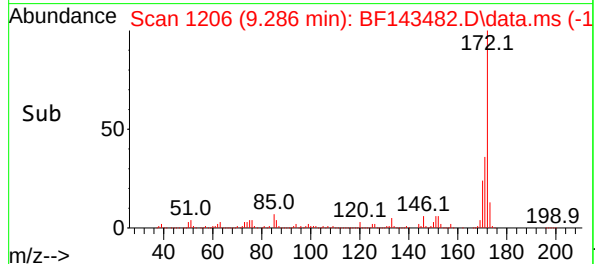
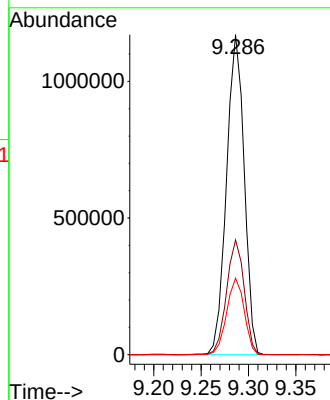
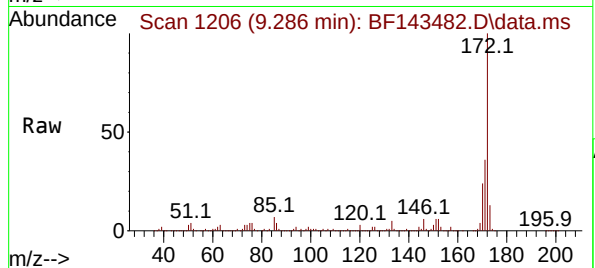
Tgt Ion:172 Resp: 1518897

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.9 18.8 28.2



#46

1,1'-Biphenyl

Concen: 47.038 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

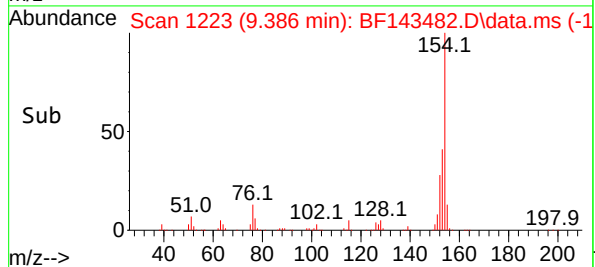
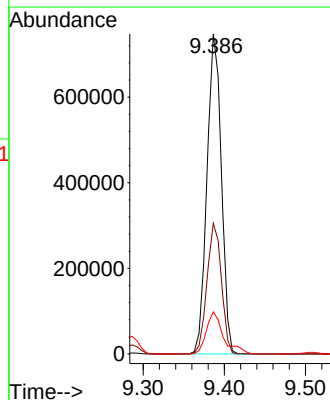
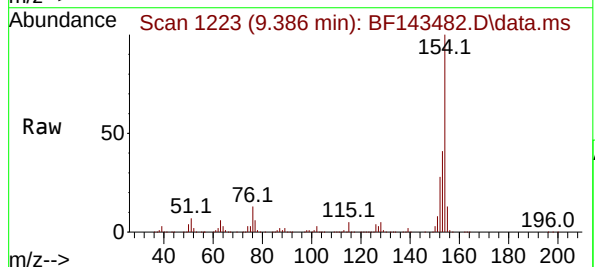
Tgt Ion:154 Resp: 917350

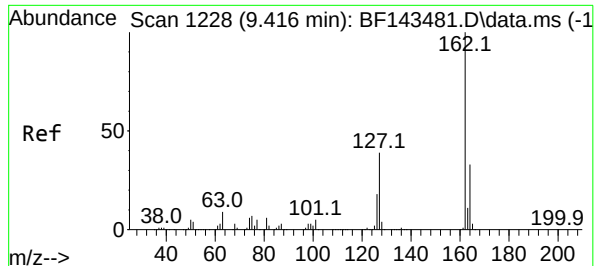
Ion Ratio Lower Upper

154 100

153 40.9 20.6 60.6

76 13.2 0.0 33.0





#47

2-Chloronaphthalene

Concen: 47.420 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

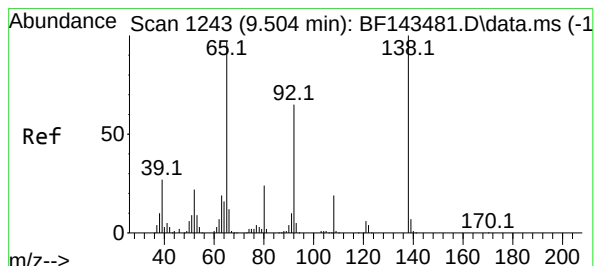
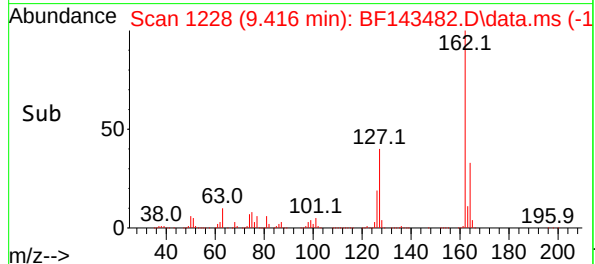
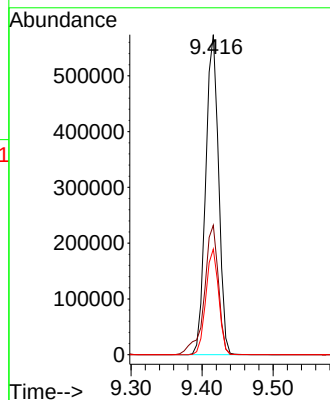
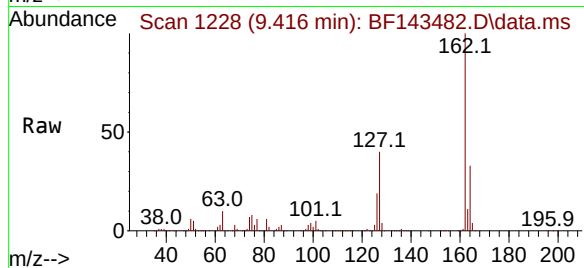
Tgt Ion:162 Resp: 725620

Ion Ratio Lower Upper

162 100

127 40.5 31.8 47.6

164 33.0 26.4 39.6



#48

2-Nitroaniline

Concen: 50.489 ng

RT: 9.510 min Scan# 1244

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

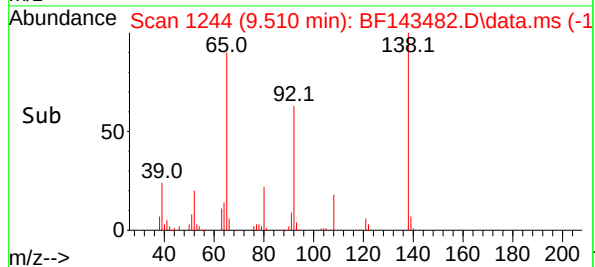
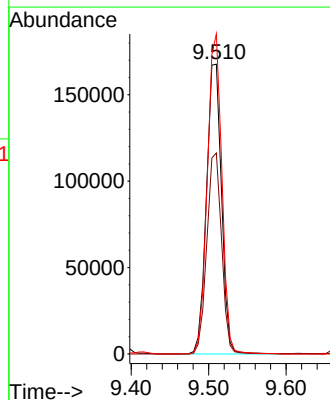
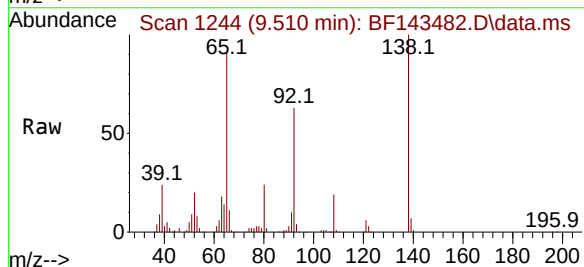
Tgt Ion: 65 Resp: 226106

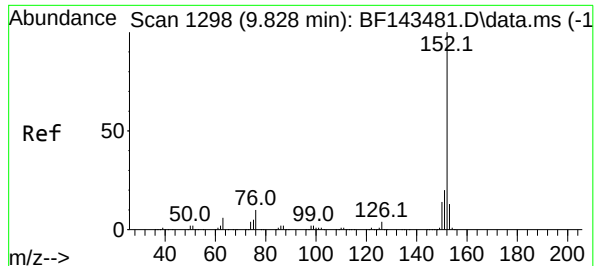
Ion Ratio Lower Upper

65 100

92 69.4 53.8 80.6

138 110.5 82.4 123.6





#49

Acenaphthylene

Concen: 47.536 ng

RT: 9.828 min Scan# 1298

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

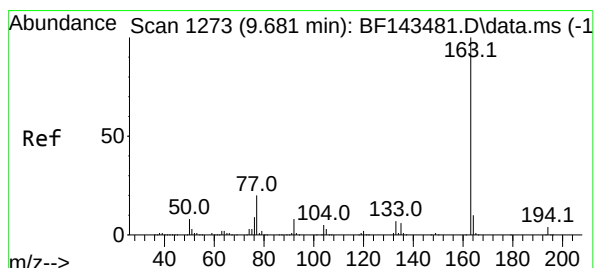
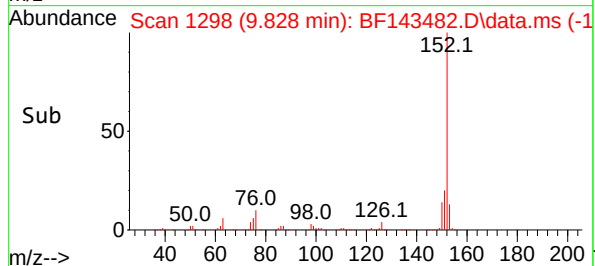
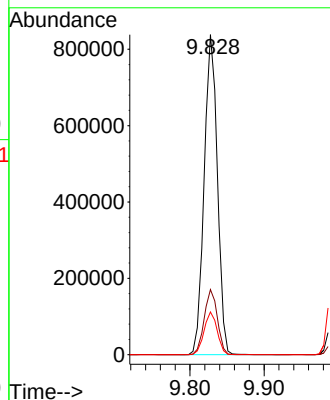
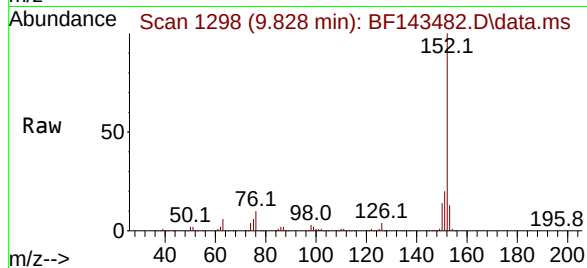
Tgt Ion:152 Resp: 1041531

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

153 13.3 10.6 15.8



#50

Dimethylphthalate

Concen: 48.090 ng

RT: 9.681 min Scan# 1273

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

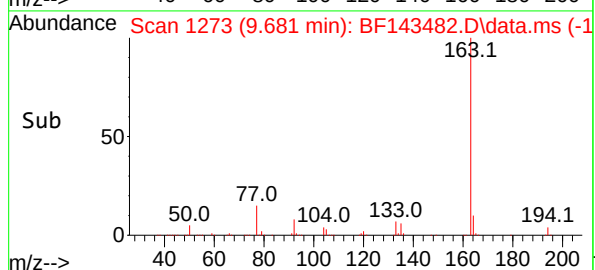
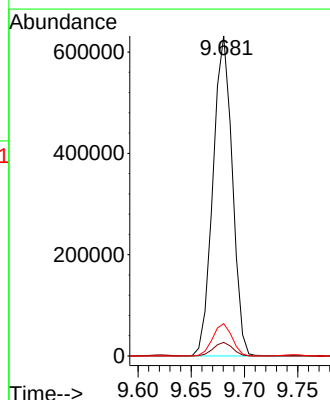
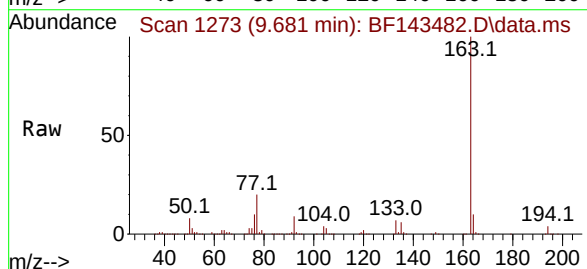
Tgt Ion:163 Resp: 795814

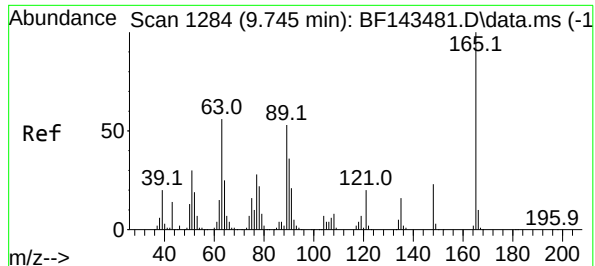
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 52.104 ng

RT: 9.745 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

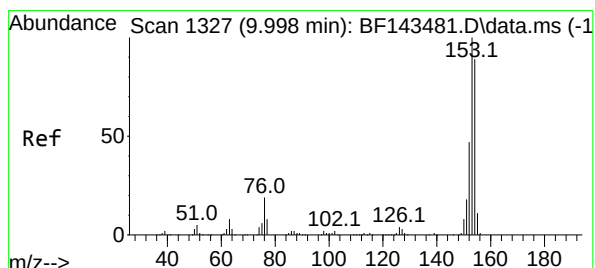
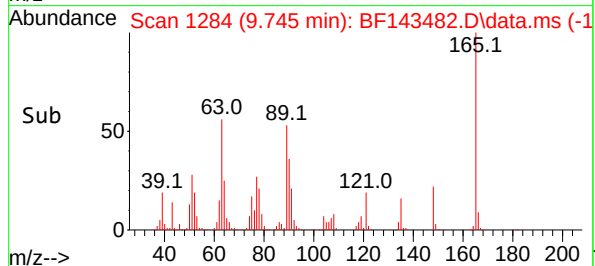
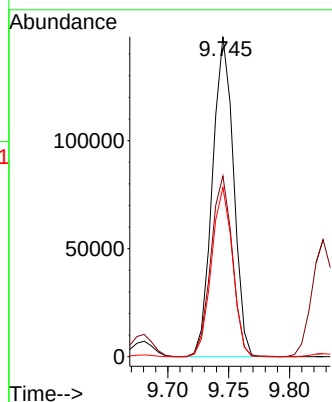
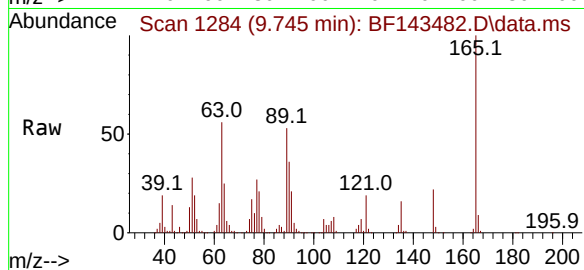
Tgt Ion:165 Resp: 178703

Ion Ratio Lower Upper

165 100

63 56.5 45.0 67.6

89 52.9 42.5 63.7



#52

Acenaphthene

Concen: 47.905 ng

RT: 10.004 min Scan# 1328

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

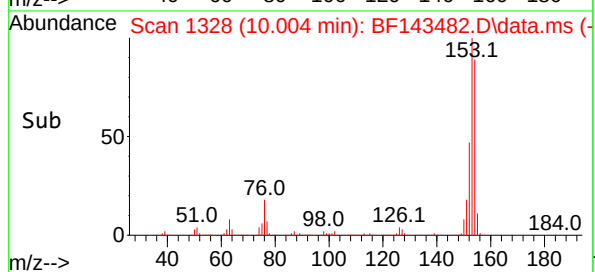
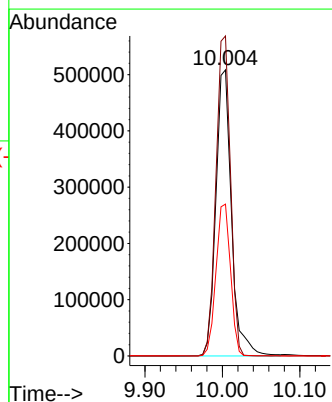
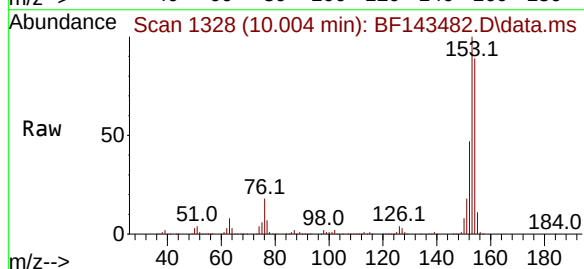
Tgt Ion:154 Resp: 712642

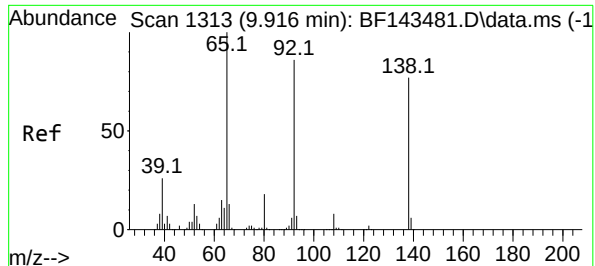
Ion Ratio Lower Upper

154 100

153 111.9 89.5 134.3

152 53.1 42.5 63.7





#53

3-Nitroaniline

Concen: 50.620 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

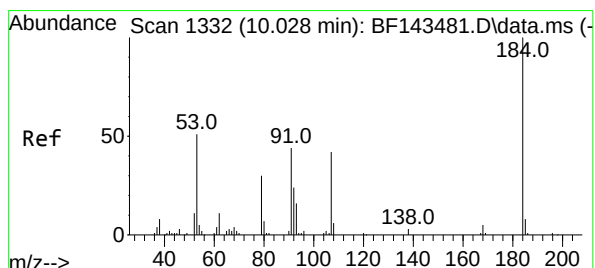
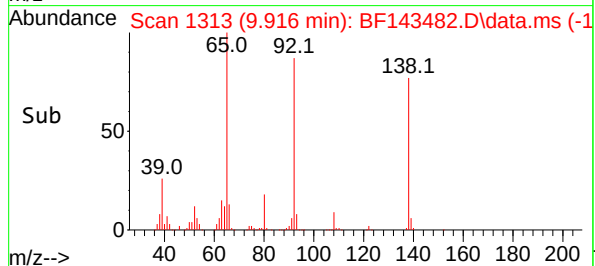
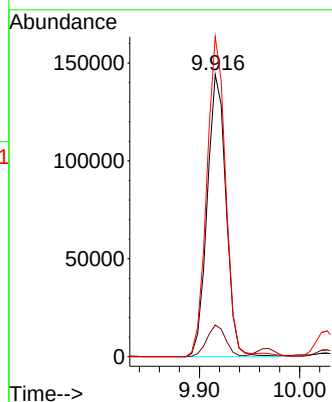
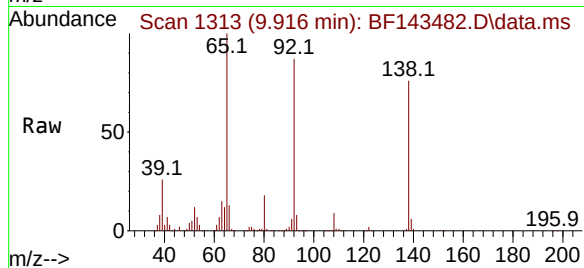
Tgt Ion:138 Resp: 187598

Ion Ratio Lower Upper

138 100

108 11.2 8.6 13.0

92 113.5 89.8 134.8



#54

2,4-Dinitrophenol

Concen: 51.384 ng

RT: 10.028 min Scan# 1332

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

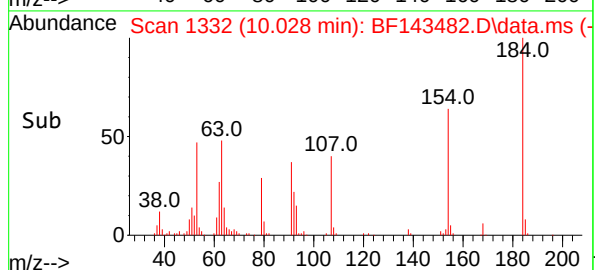
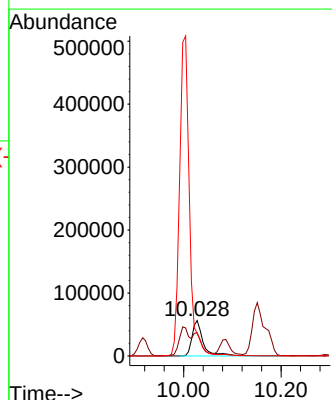
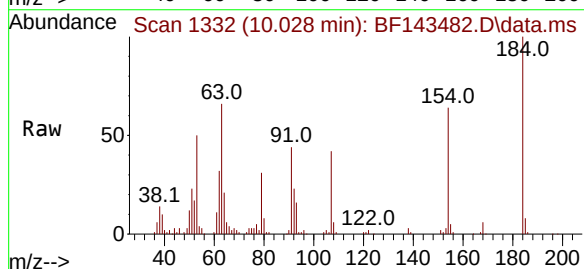
Tgt Ion:184 Resp: 90529

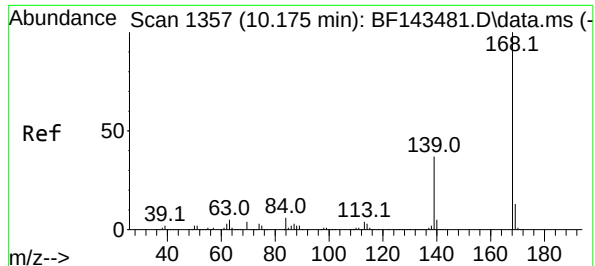
Ion Ratio Lower Upper

184 100

63 65.5 52.6 78.8

154 63.7 51.0 76.4





#55

Dibenzofuran

Concen: 47.313 ng

RT: 10.175 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

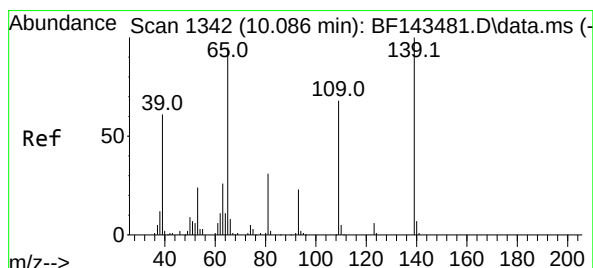
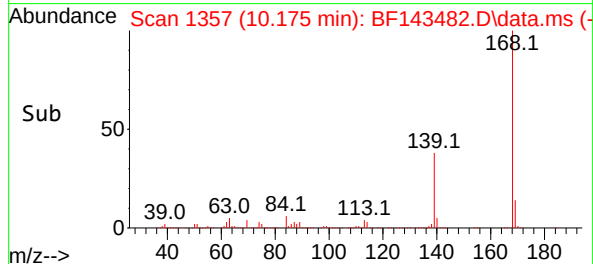
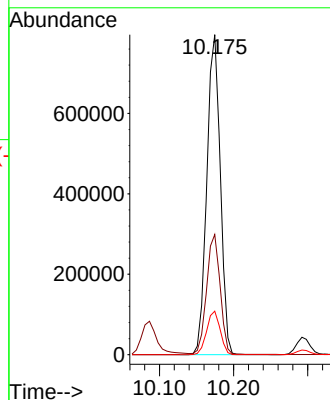
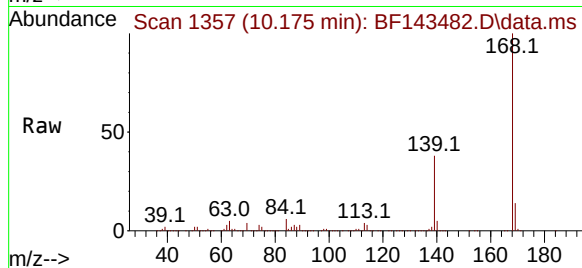
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:168 Resp: 1003468

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.8	44.6
169	13.6	10.8	16.2



#56

4-Nitrophenol

Concen: 54.991 ng

RT: 10.086 min Scan# 1342

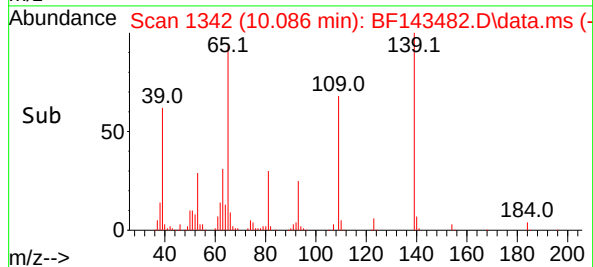
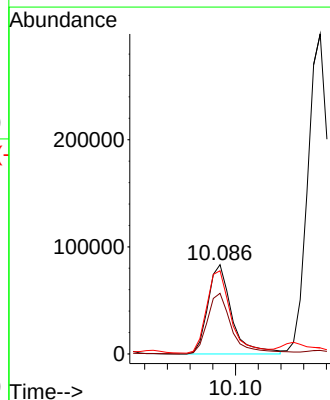
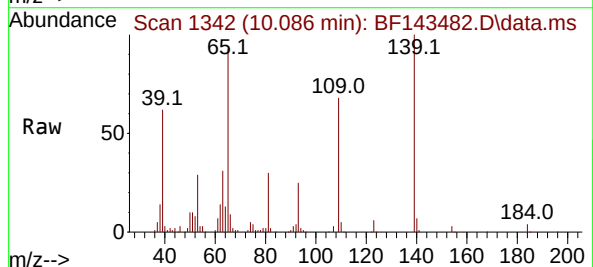
Delta R.T. 0.000 min

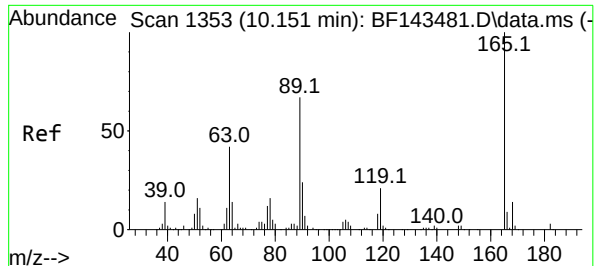
Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Tgt Ion:139 Resp: 121261

Ion	Ratio	Lower	Upper
139	100		
109	68.0	48.2	88.2
65	93.3	75.8	115.8





#57

2,4-Dinitrotoluene

Concen: 51.542 ng

RT: 10.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:165 Resp: 236039

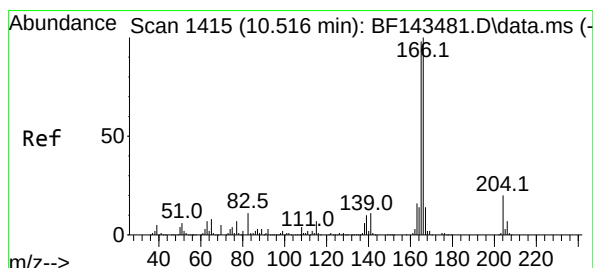
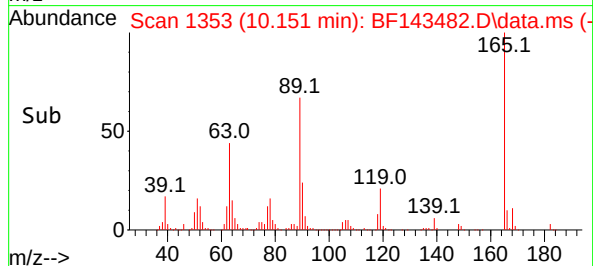
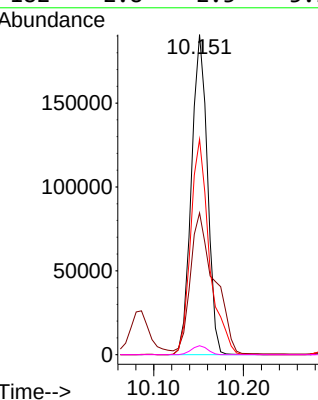
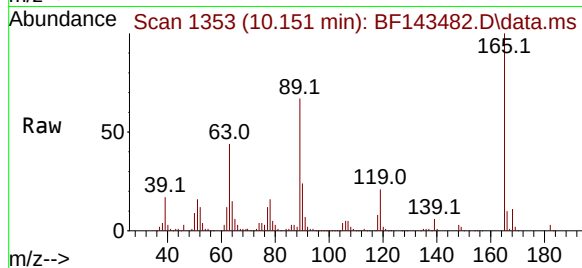
Ion Ratio Lower Upper

165 100

63 44.3 34.9 52.3

89 67.3 53.3 79.9

182 2.8 2.3 3.5



#58

Fluorene

Concen: 46.763 ng

RT: 10.516 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

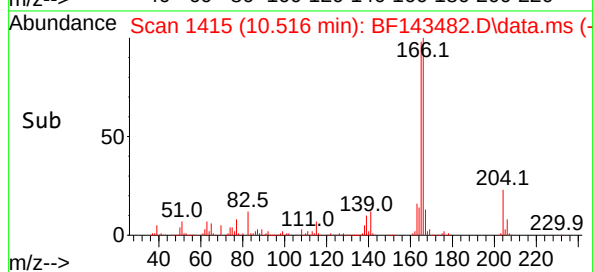
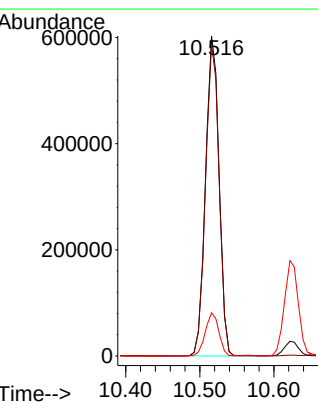
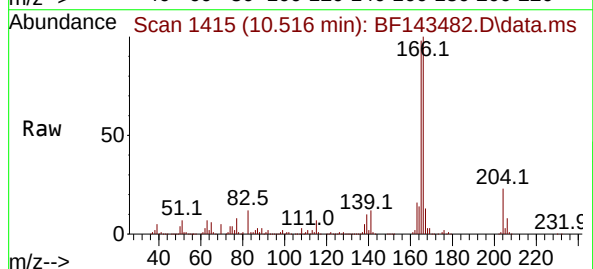
Tgt Ion:166 Resp: 763347

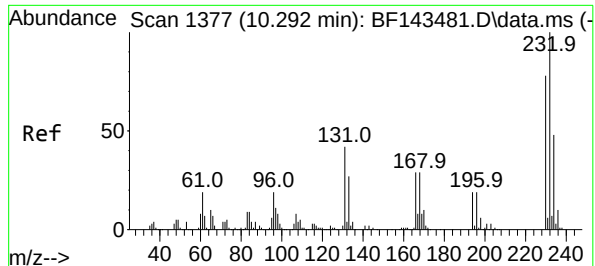
Ion Ratio Lower Upper

166 100

165 97.6 78.3 117.5

167 13.5 11.0 16.4

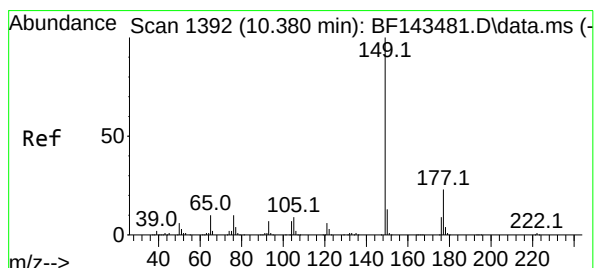
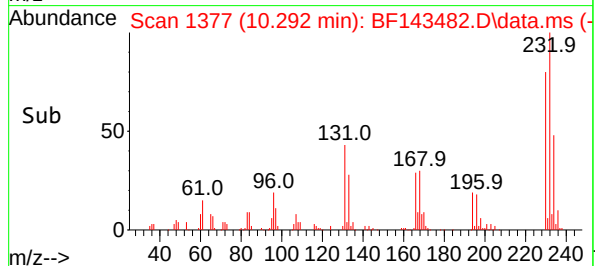
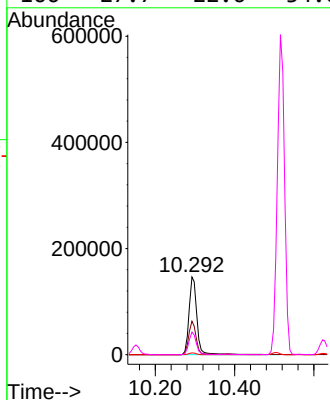
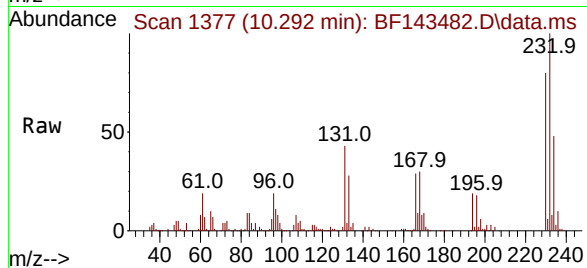




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.483 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

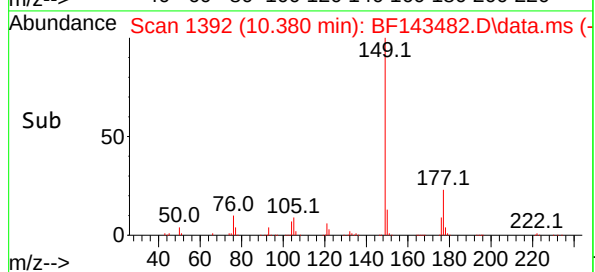
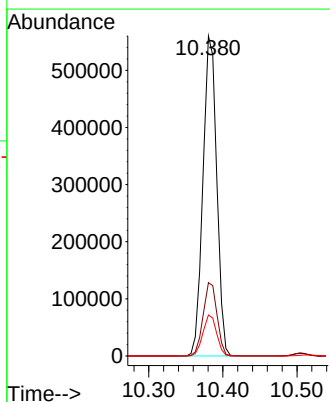
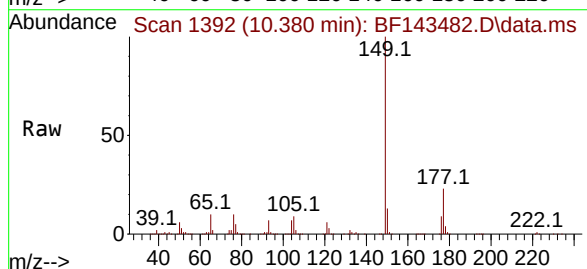
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

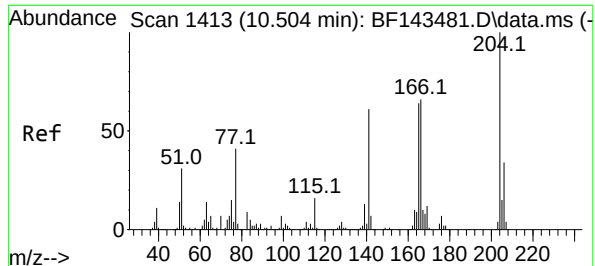
Tgt Ion:232 Resp: 202049
Ion Ratio Lower Upper
232 100
131 41.0 32.7 49.1
130 2.1 1.6 2.4
166 27.7 22.6 34.0



#60
Diethylphthalate
Concen: 48.756 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:149 Resp: 723386
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.8 10.3 15.5

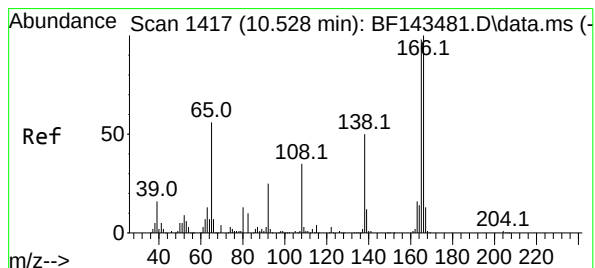
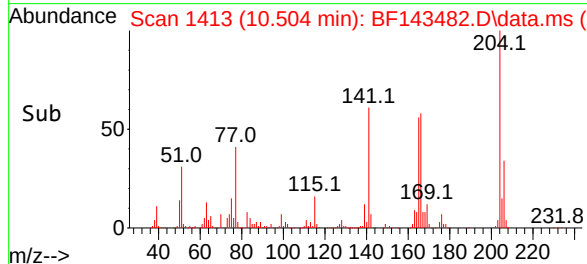
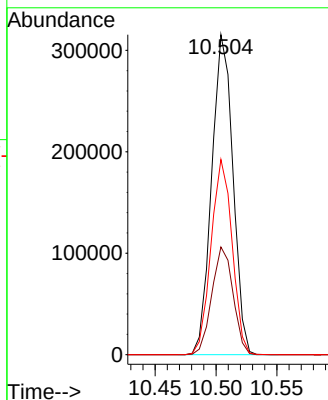
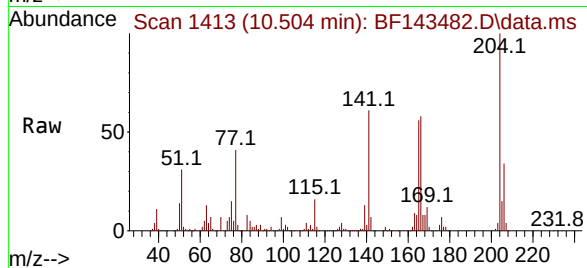




#61
4-Chlorophenyl-phenylether
Concen: 46.985 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

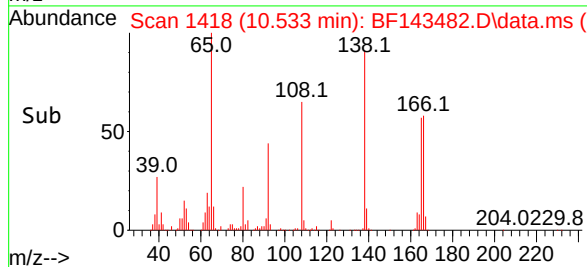
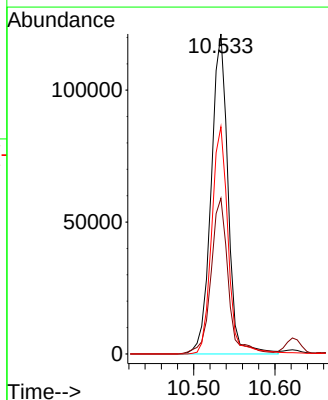
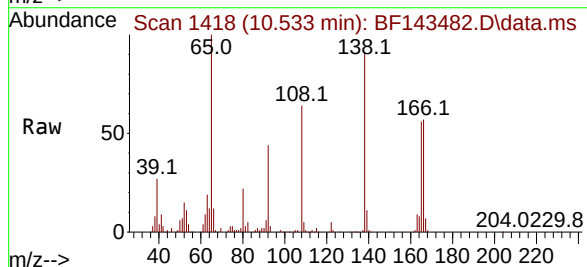
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

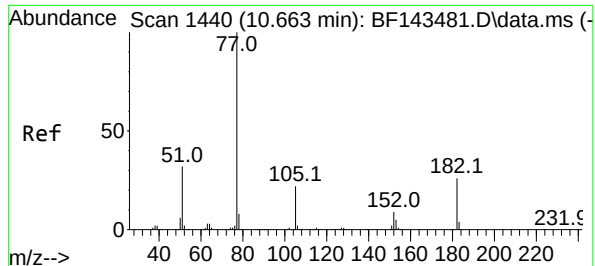
Tgt Ion:204 Resp: 383570
Ion Ratio Lower Upper
204 100
206 33.6 27.0 40.4
141 61.0 48.7 73.1



#62
4-Nitroaniline
Concen: 51.418 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:138 Resp: 175033
Ion Ratio Lower Upper
138 100
92 48.7 29.3 69.3
108 71.0 50.7 90.7

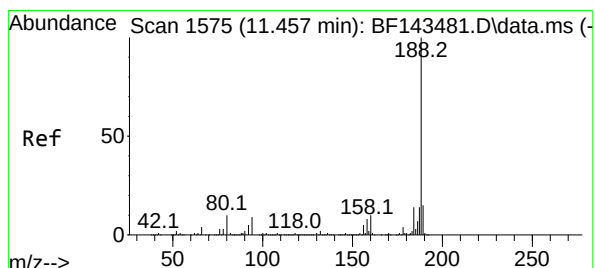
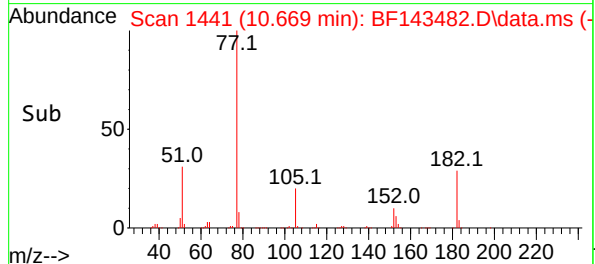
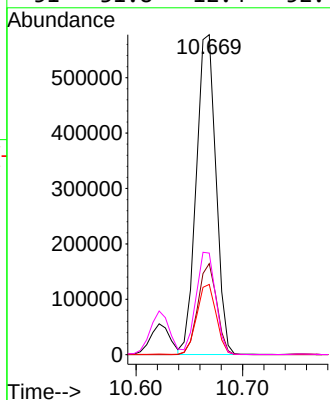
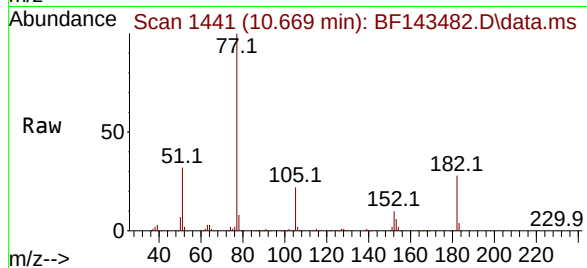




#63
Azobenzene
Concen: 48.247 ng
RT: 10.669 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

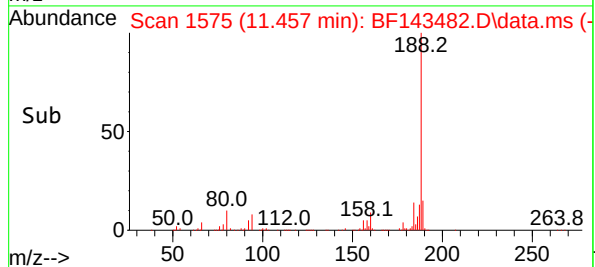
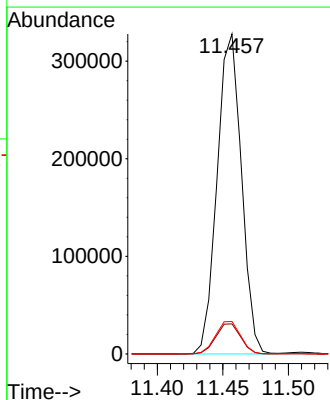
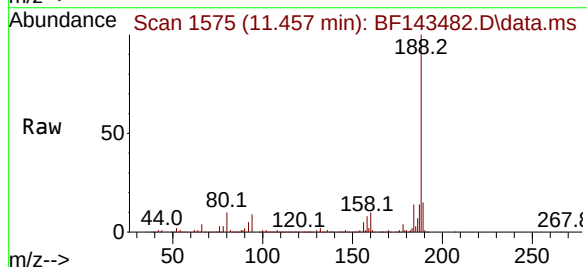
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

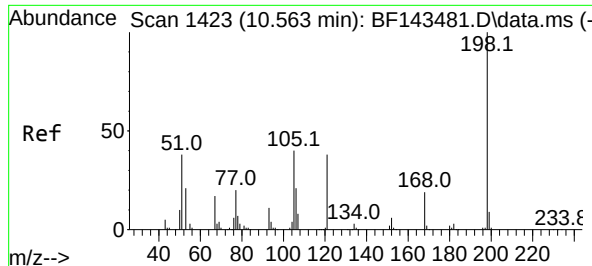
Tgt Ion: 77	Resp: 742238
Ion Ratio	Lower Upper
77	100
182	28.4 6.2 46.2
105	21.9 2.2 42.2
51	31.8 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 188	Resp: 422398
Ion Ratio	Lower Upper
188	100
94	9.4 7.4 11.2
80	10.1 8.2 12.4

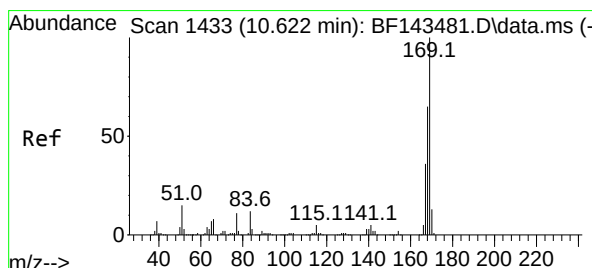
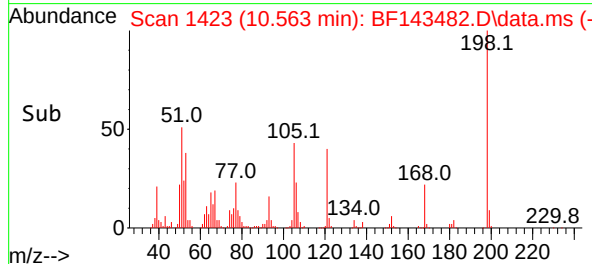
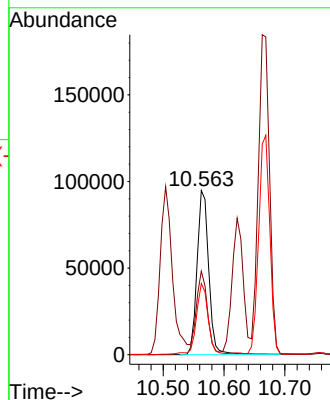
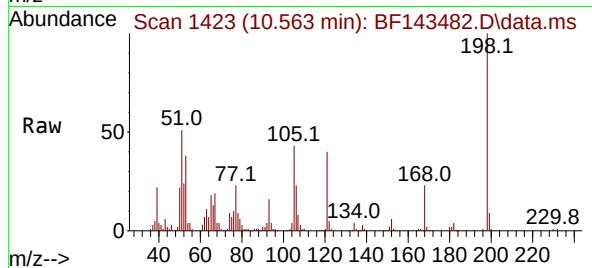




#65
4,6-Dinitro-2-methylphenol
Concen: 53.128 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

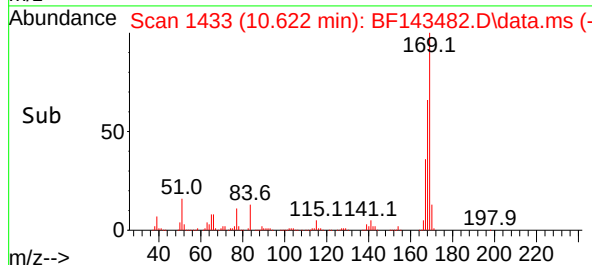
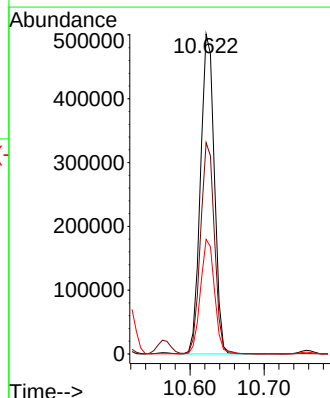
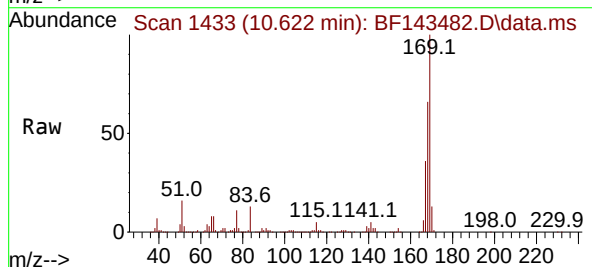
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

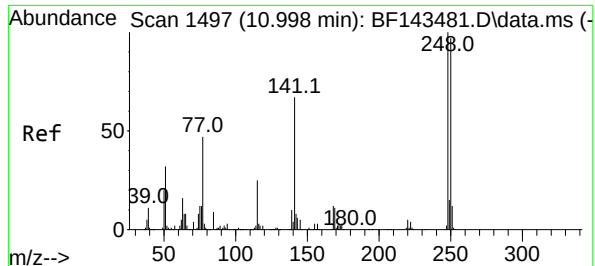
Tgt Ion:198 Resp: 126533
Ion Ratio Lower Upper
198 100
51 50.8 29.6 69.6
105 43.4 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 47.789 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:169 Resp: 649619
Ion Ratio Lower Upper
169 100
168 66.0 52.4 78.6
167 35.8 28.9 43.3

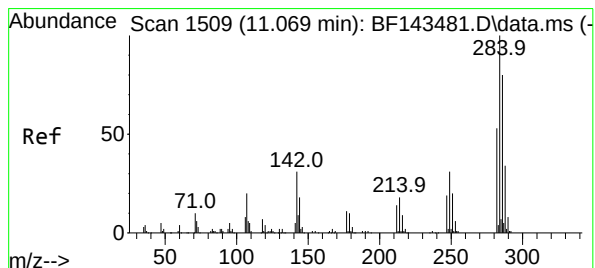
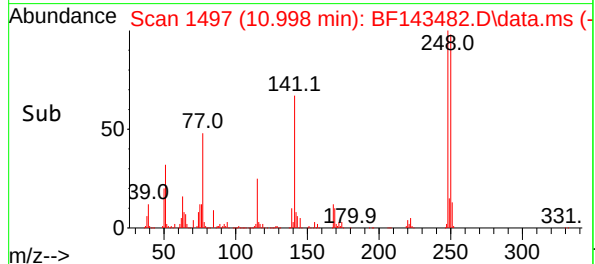
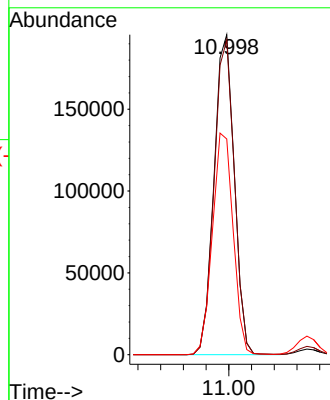
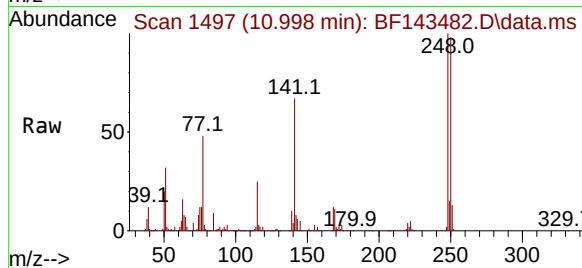




#67
4-Bromophenyl-phenylether
Concen: 48.112 ng
RT: 10.998 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

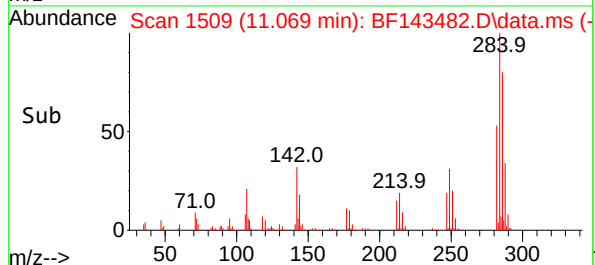
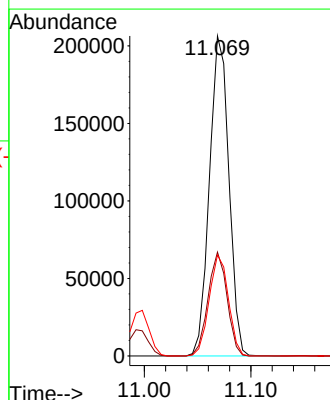
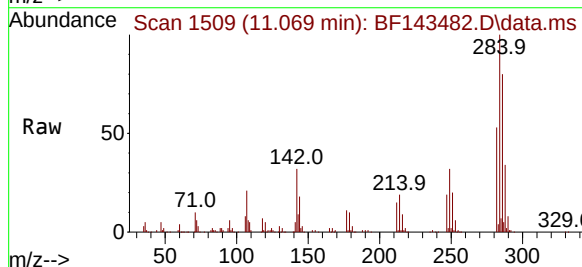
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

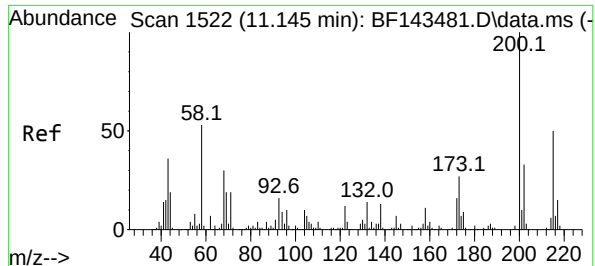
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.8	116.8
141	67.4	54.0	81.0



#68
Hexachlorobenzene
Concen: 48.206 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.4	36.6
249	31.6	25.0	37.6

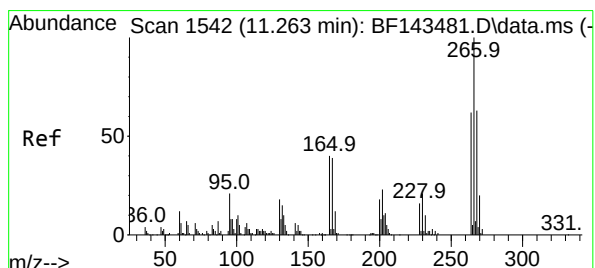
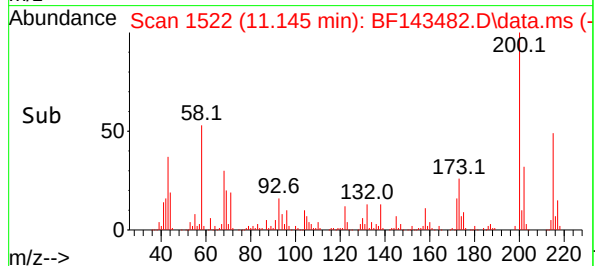
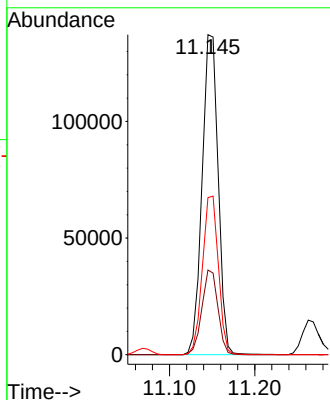
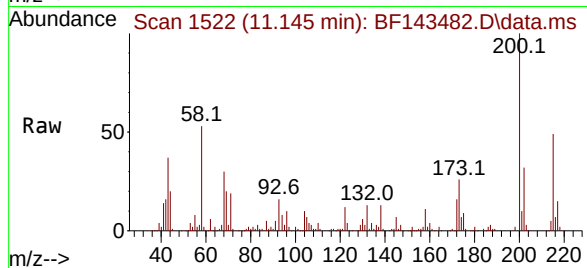




#69
Atrazine
Concen: 51.394 ng
RT: 11.145 min Scan# 1522
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

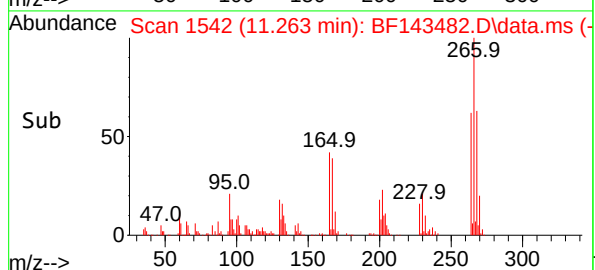
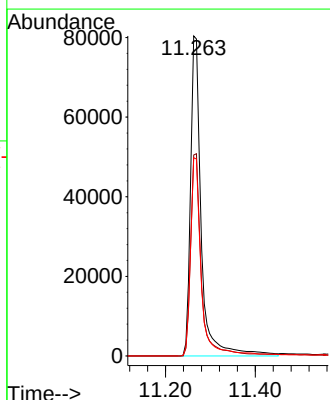
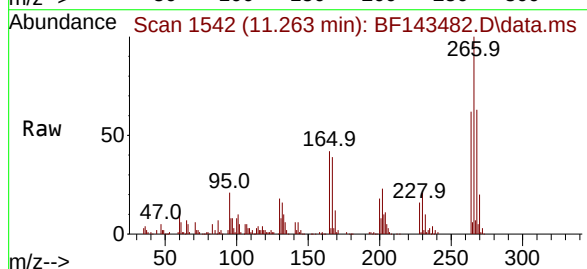
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

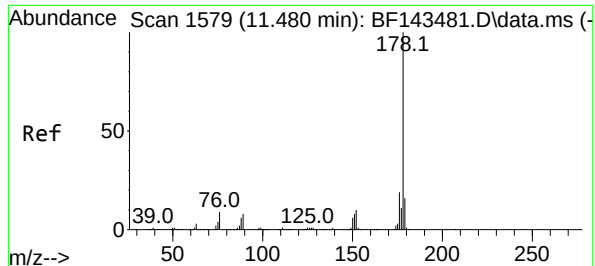
Tgt Ion:200 Resp: 180342
Ion Ratio Lower Upper
200 100
173 26.5 6.9 46.9
215 49.1 30.0 70.0



#70
Pentachlorophenol
Concen: 53.767 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:266 Resp: 133776
Ion Ratio Lower Upper
266 100
268 62.8 50.5 75.7
264 62.0 49.8 74.8





#71

Phenanthrene

Concen: 47.383 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

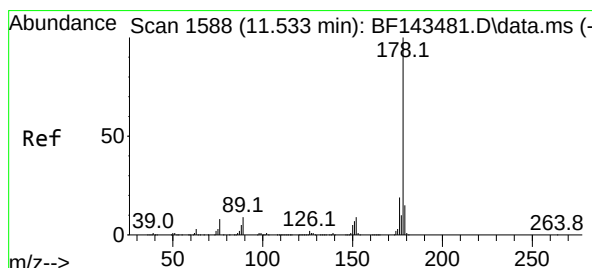
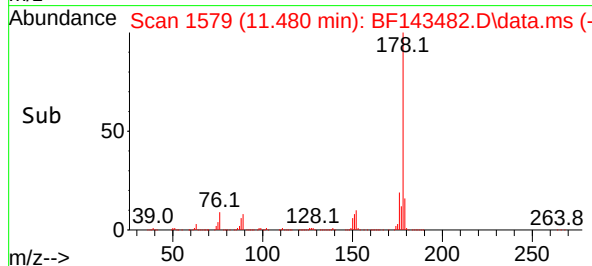
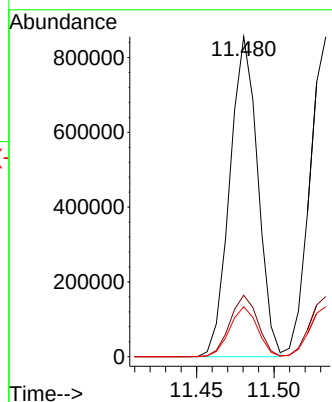
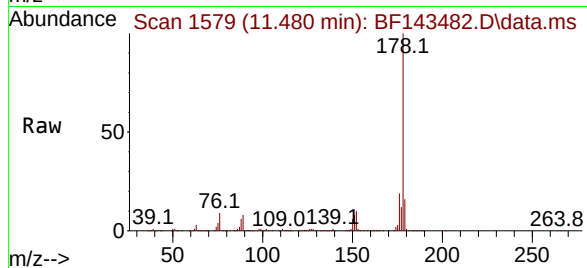
Tgt Ion:178 Resp: 1071808

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.6 12.5 18.7



#72

Anthracene

Concen: 47.117 ng

RT: 11.533 min Scan# 1588

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

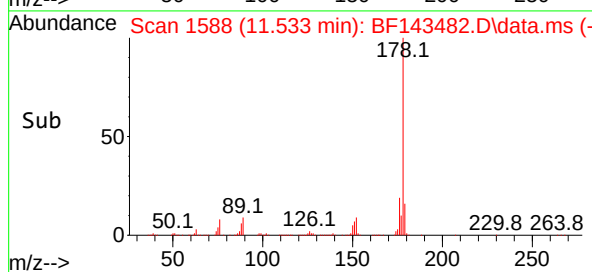
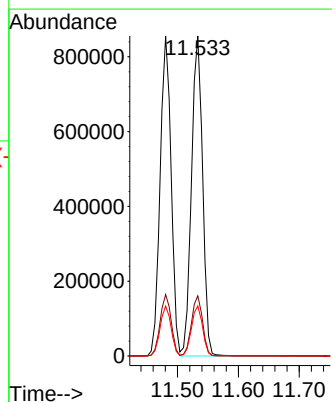
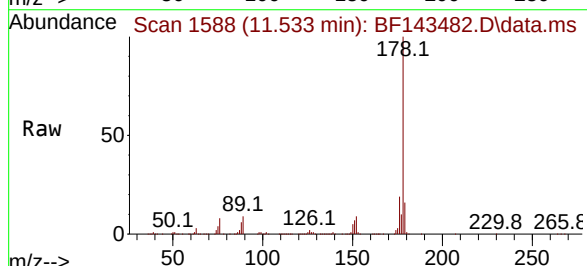
Tgt Ion:178 Resp: 1079686

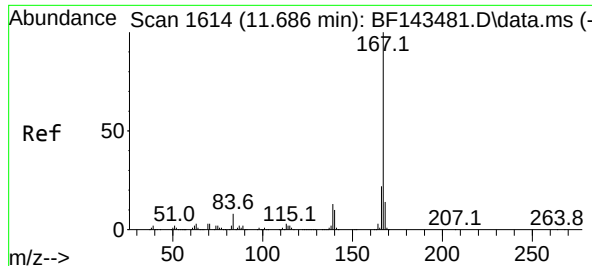
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.7 12.3 18.5

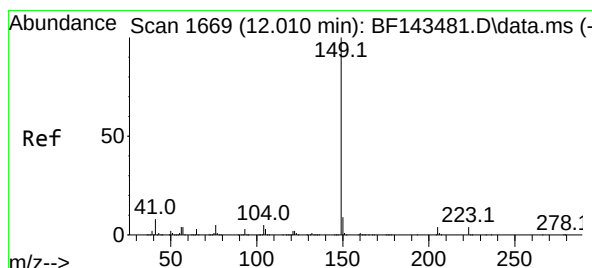
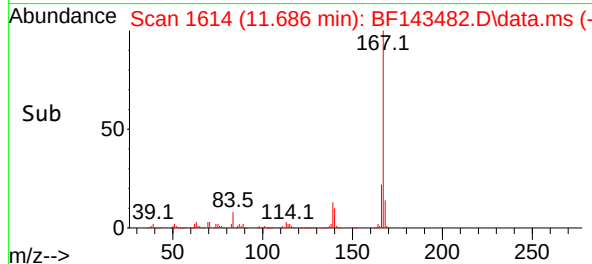
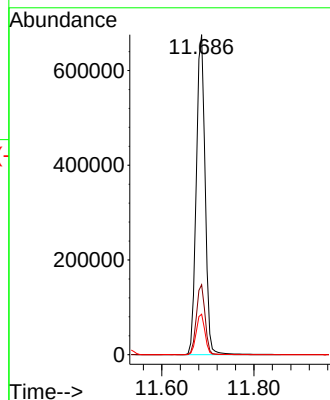
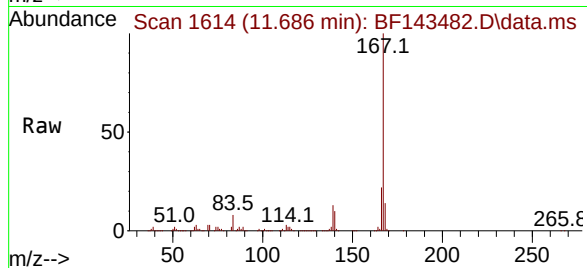




#73
Carbazole
Concen: 47.738 ng
RT: 11.686 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

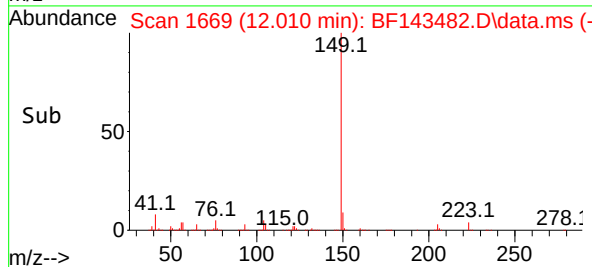
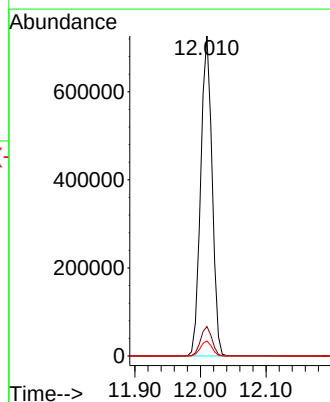
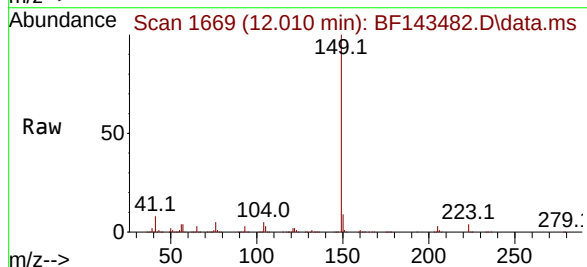
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

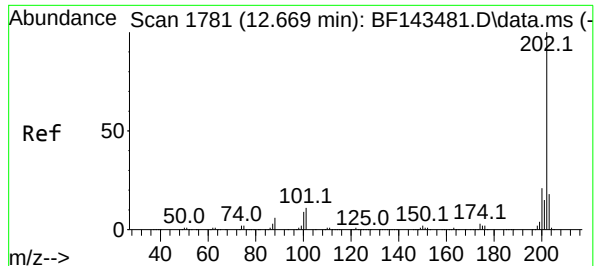
Tgt Ion:167 Resp: 896352
Ion Ratio Lower Upper
167 100
166 21.9 17.3 25.9
139 12.7 10.0 15.0



#74
Di-n-butylphthalate
Concen: 50.228 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:149 Resp: 879812
Ion Ratio Lower Upper
149 100
150 9.2 7.2 10.8
104 4.7 3.6 5.4

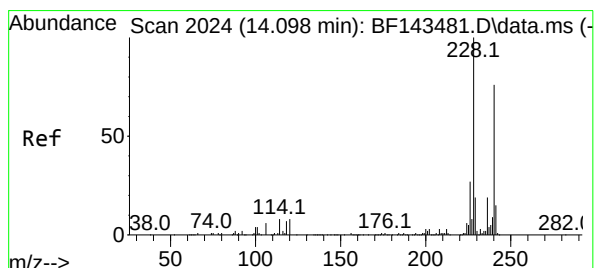
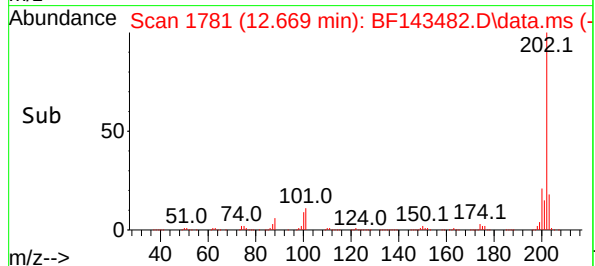
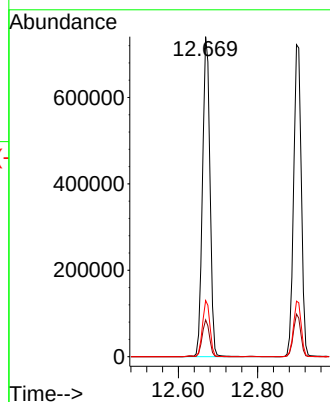
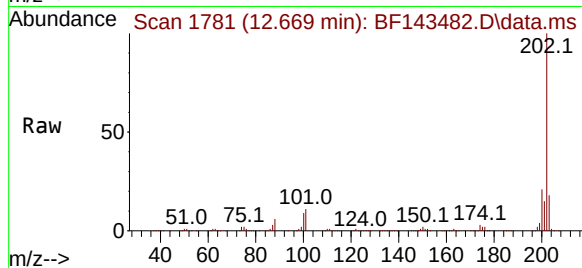




#75
Fluoranthene
Concen: 47.536 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

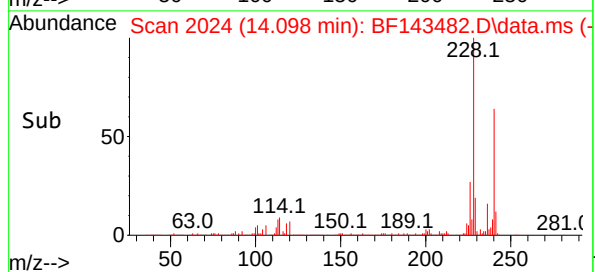
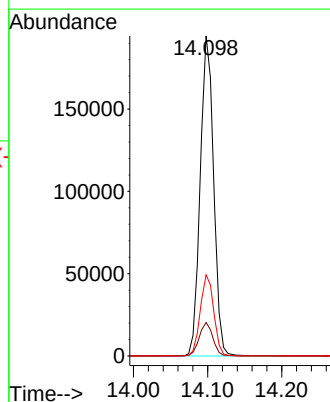
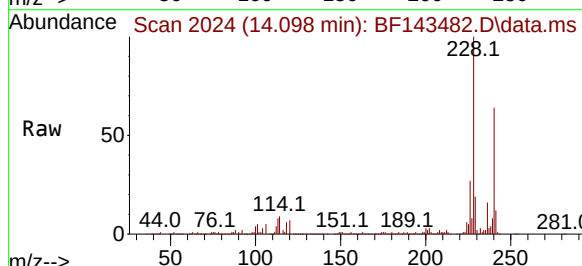
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

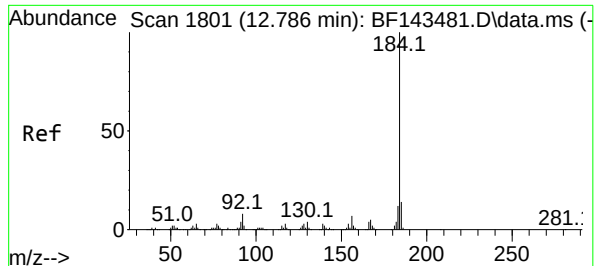
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.3
203	17.6	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	12.8
236	25.3	20.4	30.6

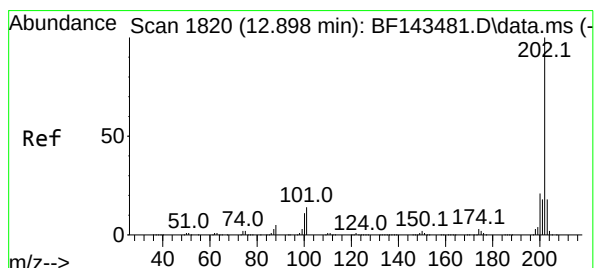
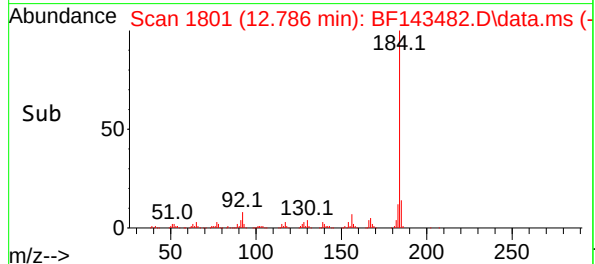
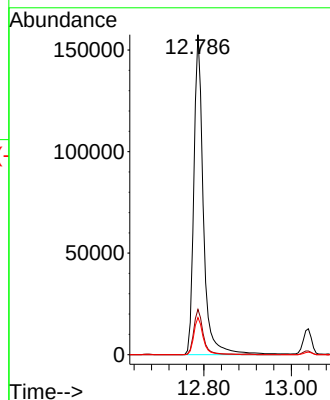
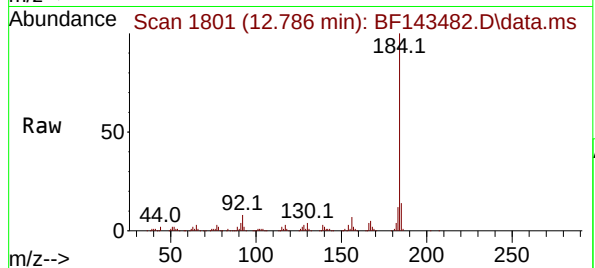




#77
Benzidine
Concen: 40.122 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

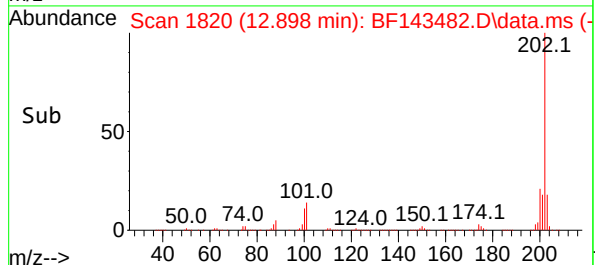
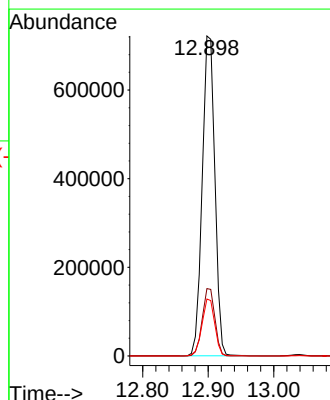
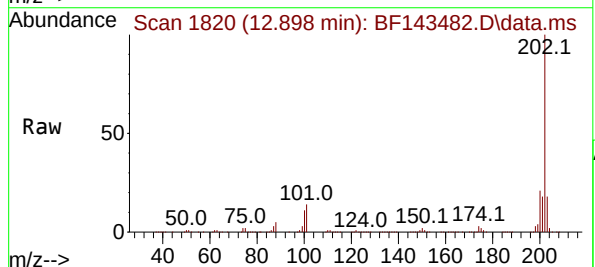
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

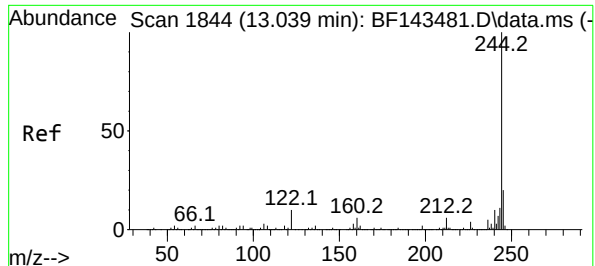
Tgt Ion:184 Resp: 238772
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 11.6 9.5 14.3



#78
Pyrene
Concen: 48.316 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:202 Resp: 970991
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 95.465 ng

RT: 13.039 min Scan# 1844

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

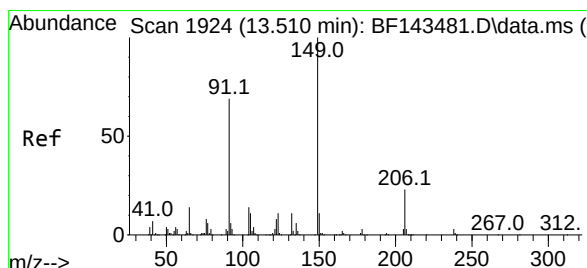
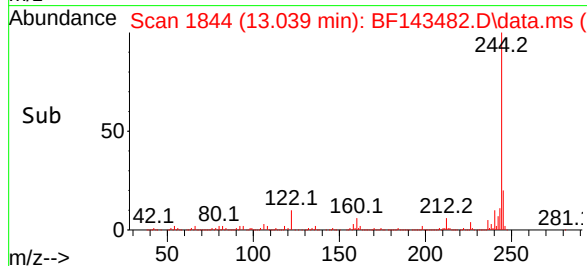
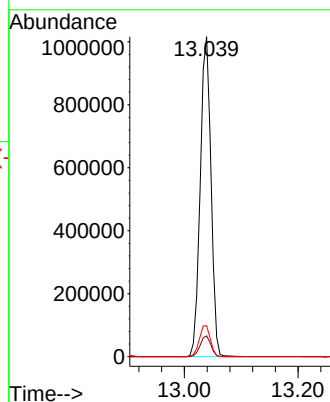
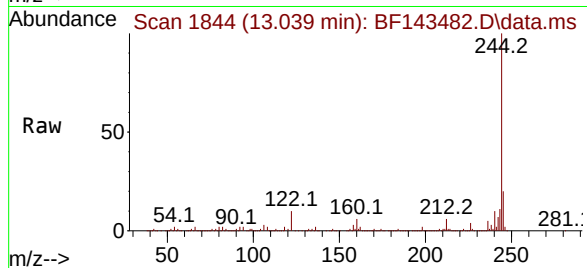
Tgt Ion:244 Resp: 1336561

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 9.7 7.9 11.9



#80

Butylbenzylphthalate

Concen: 51.304 ng

RT: 13.510 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

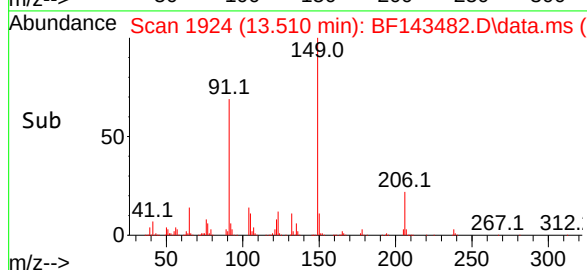
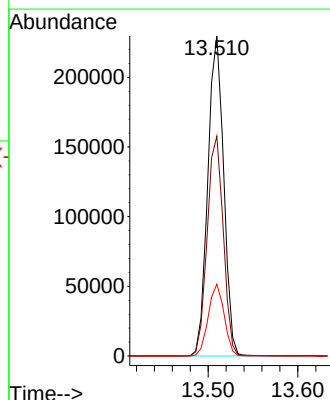
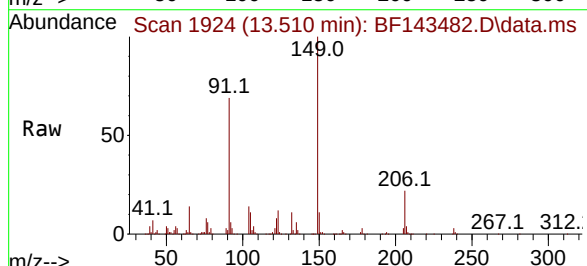
Tgt Ion:149 Resp: 281664

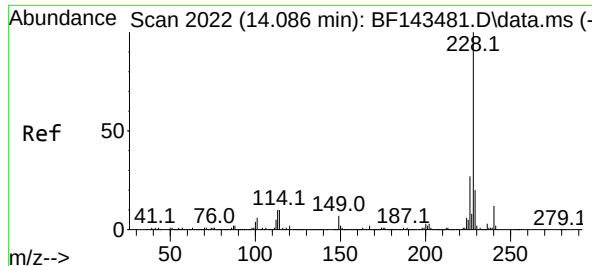
Ion Ratio Lower Upper

149 100

91 68.7 55.3 82.9

206 22.5 18.2 27.4

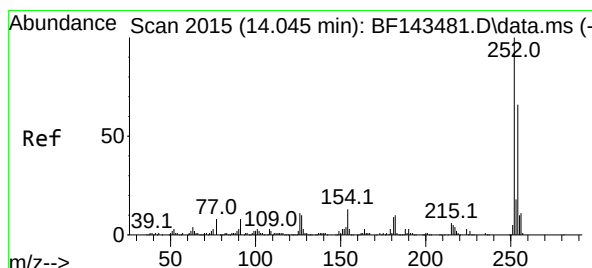
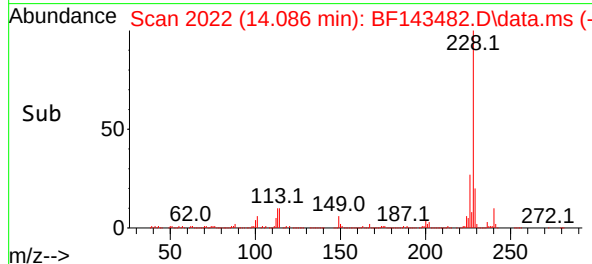
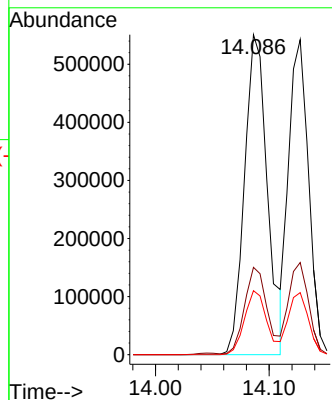
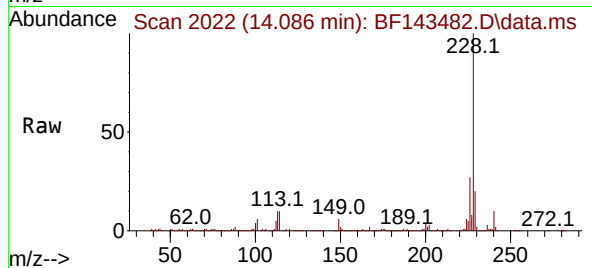




#81
Benzo(a)anthracene
Concen: 49.172 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

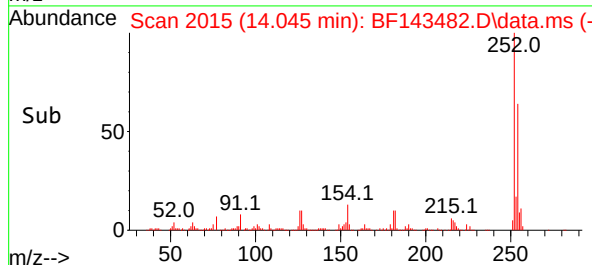
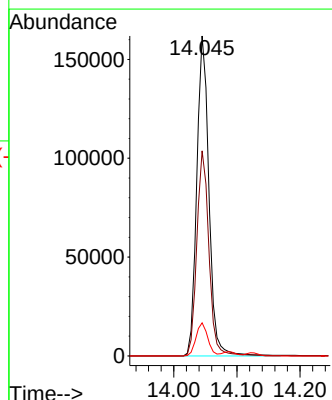
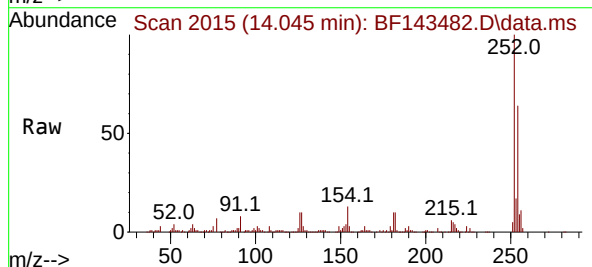
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

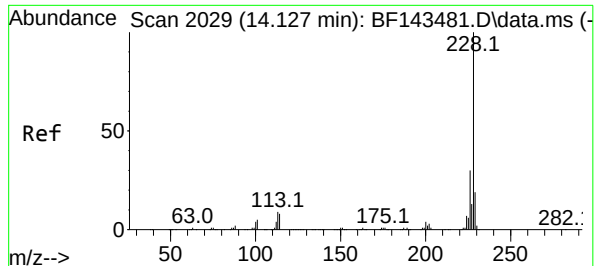
Tgt Ion:228 Resp: 773434
Ion Ratio Lower Upper
228 100
226 27.3 21.7 32.5
229 20.0 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 47.957 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:252 Resp: 216024
Ion Ratio Lower Upper
252 100
254 64.1 52.6 79.0
126 10.3 8.7 13.1

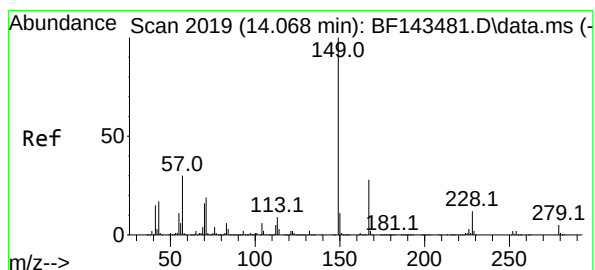
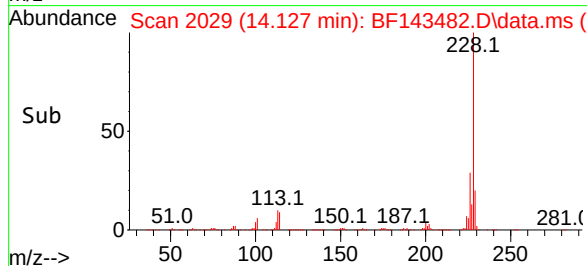
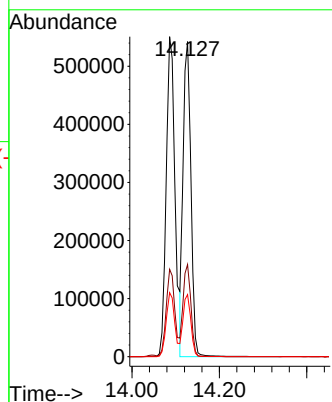
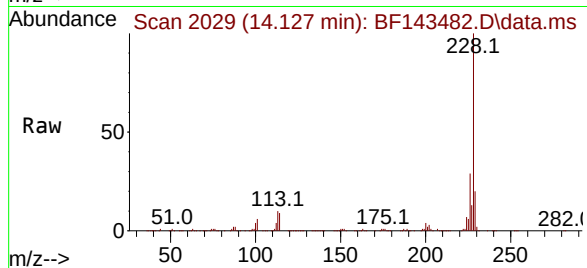




#83
Chrysene
Concen: 47.050 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

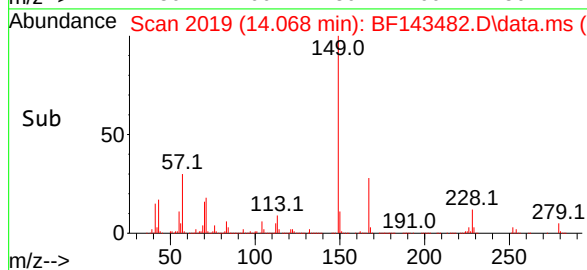
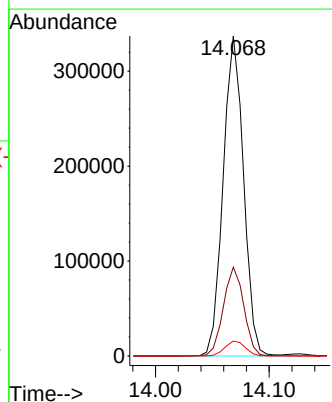
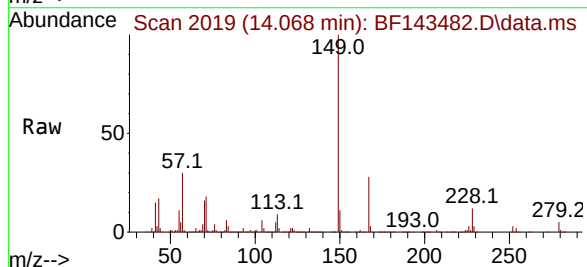
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

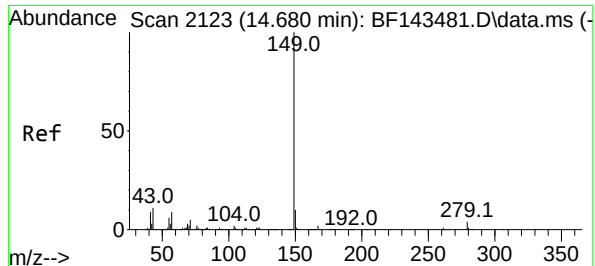
Tgt Ion:228 Resp: 665070
Ion Ratio Lower Upper
228 100
226 29.2 23.7 35.5
229 19.7 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 50.372 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:149 Resp: 421199
Ion Ratio Lower Upper
149 100
167 27.8 22.2 33.2
279 4.7 3.6 5.4

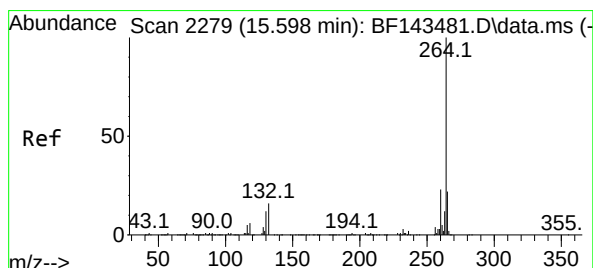
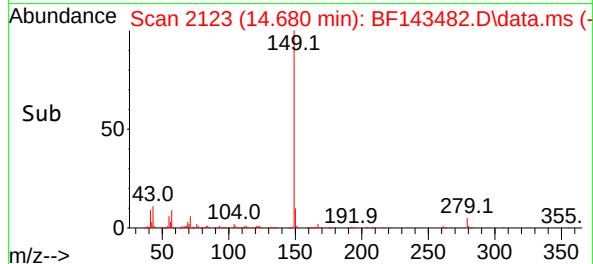
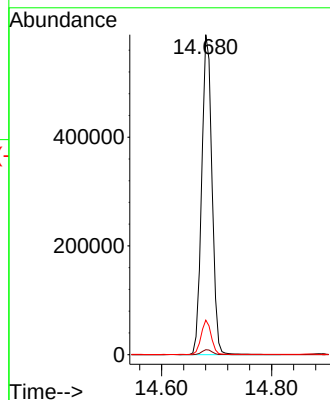
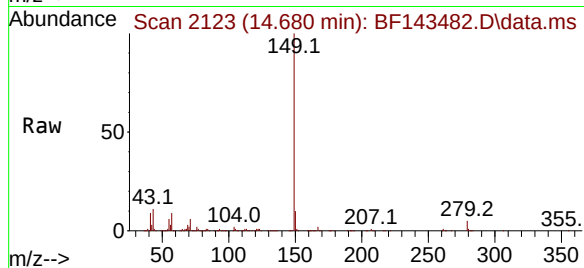




#85
Di-n-octyl phthalate
Concen: 49.329 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

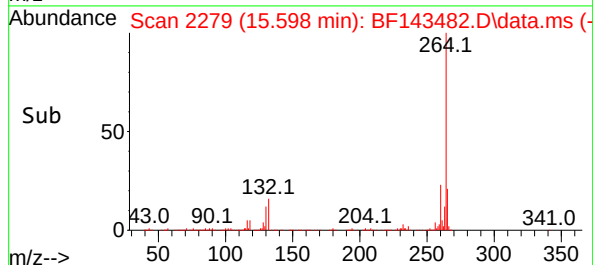
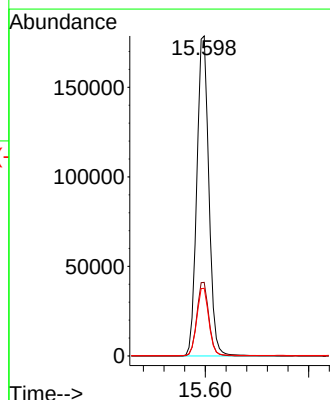
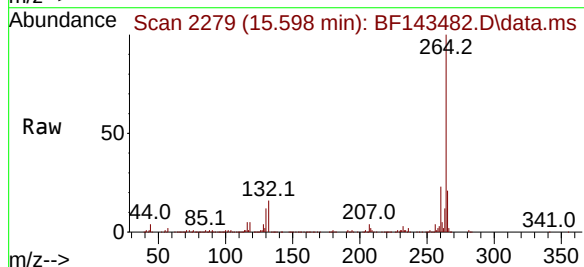
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

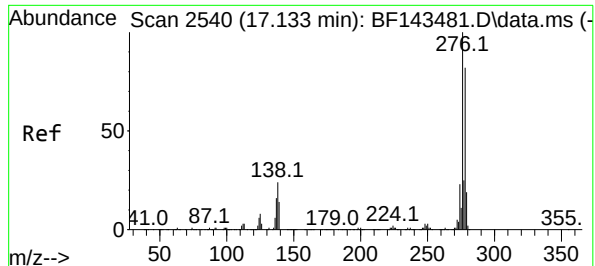
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.5	8.5	12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.1	17.6	26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.646 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

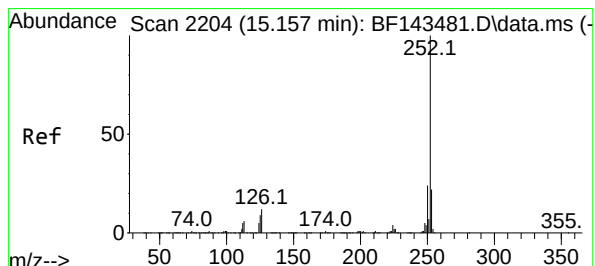
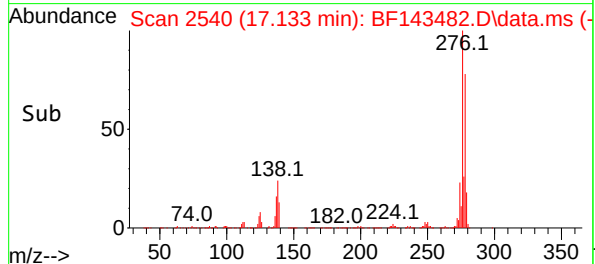
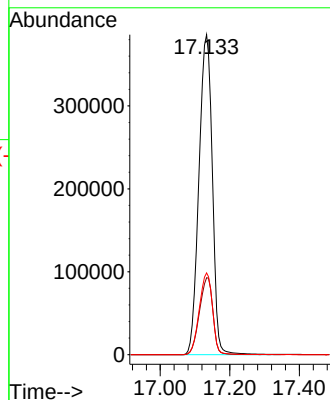
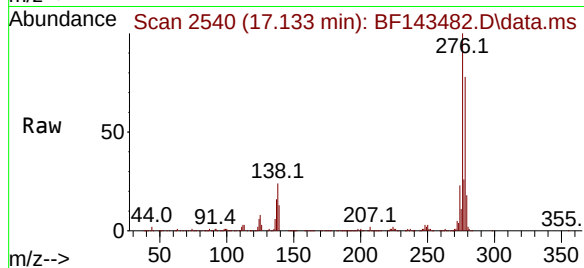
Tgt Ion:276 Resp: 1030025

Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 47.579 ng

RT: 15.157 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

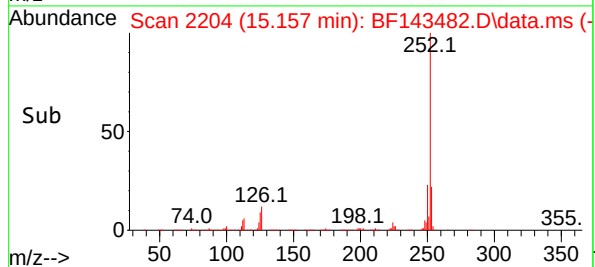
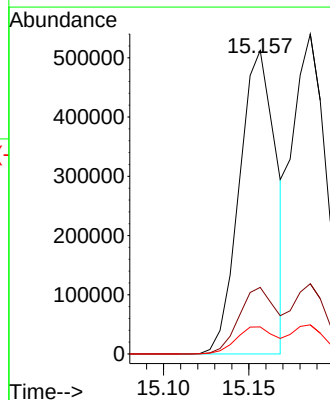
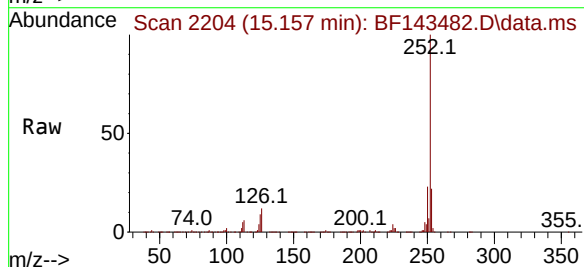
Tgt Ion:252 Resp: 763584

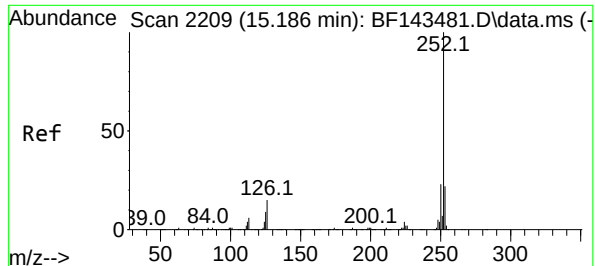
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 48.570 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

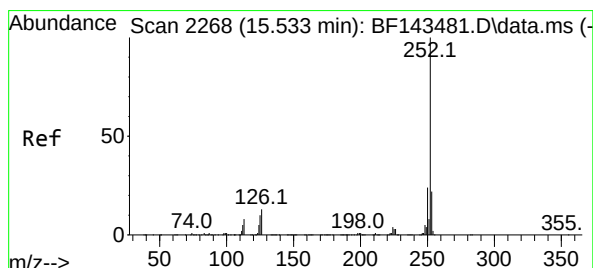
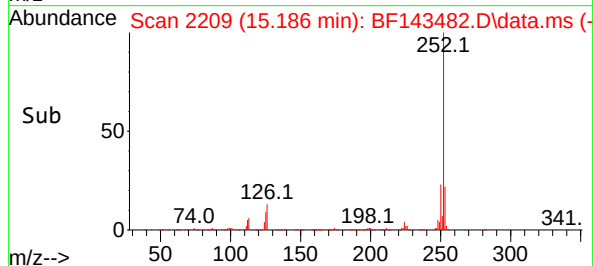
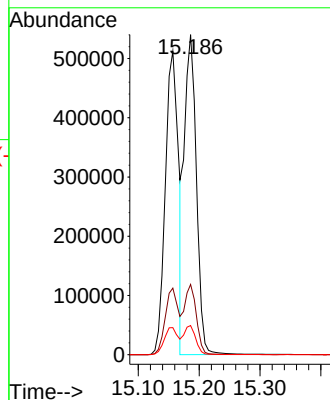
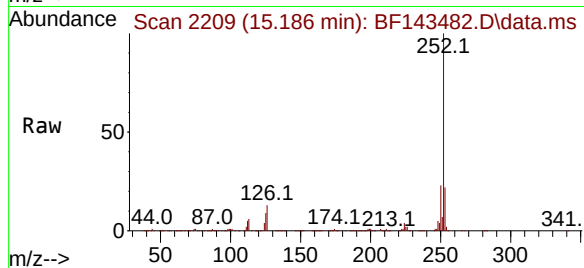
Tgt Ion:252 Resp: 746332

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 9.1 7.4 11.0



#90

Benzo(a)pyrene

Concen: 48.927 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

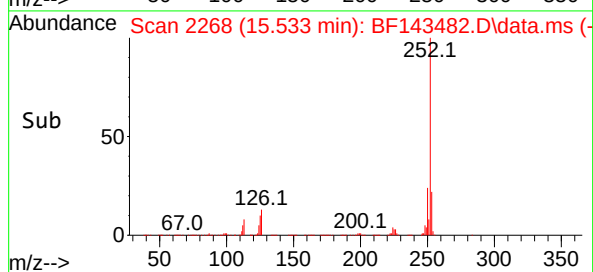
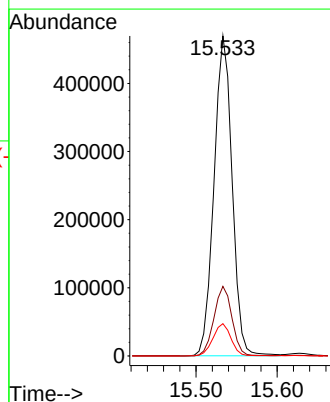
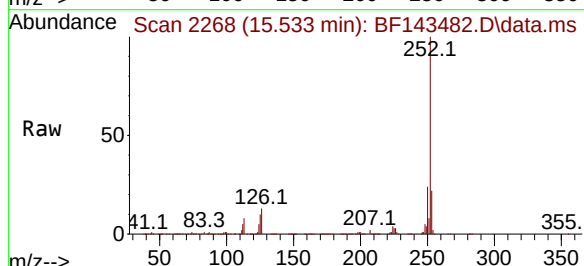
Tgt Ion:252 Resp: 728853

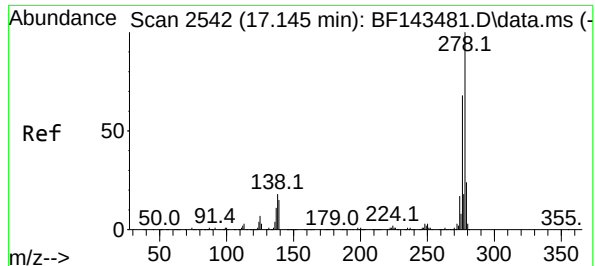
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 10.1 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 49.612 ng

RT: 17.145 min Scan# 2542

Delta R.T. -0.012 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

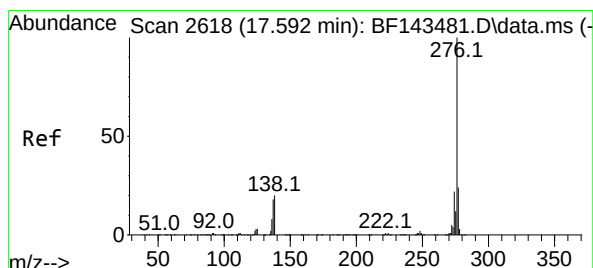
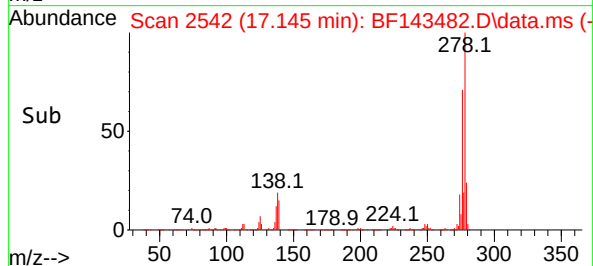
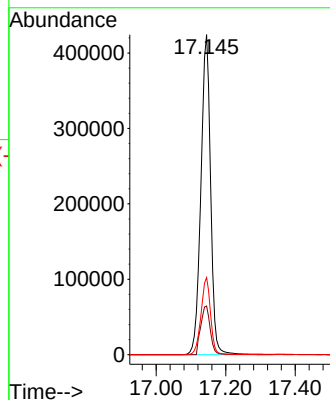
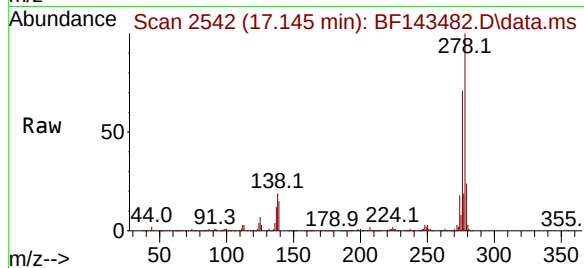
Tgt Ion:278 Resp: 824368

Ion Ratio Lower Upper

278 100

139 15.2 12.1 18.1

279 24.1 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 50.042 ng

RT: 17.592 min Scan# 2618

Delta R.T. -0.012 min

Lab File: BF143482.D

Acq: 20 Aug 2025 13:22

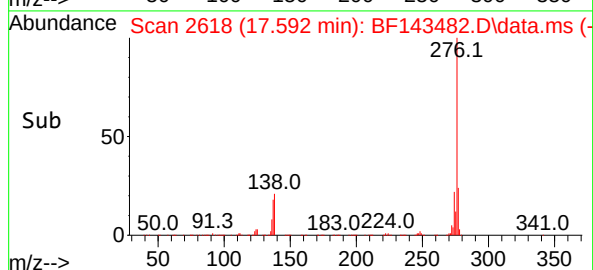
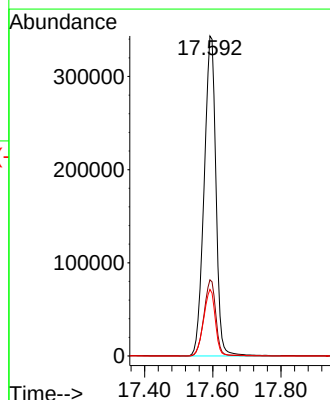
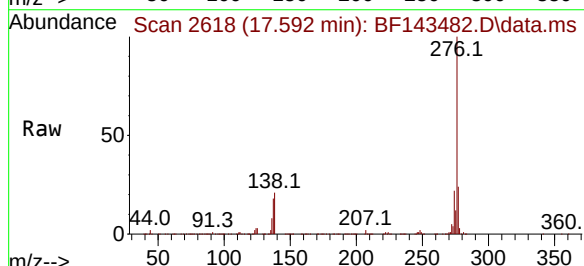
Tgt Ion:276 Resp: 826803

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 20.8 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143483.D
Acq On : 20 Aug 2025 13:51
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 20 16:23:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	125960	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	475666	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	254778	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	374631	20.000	ng	0.00
76) Chrysene-d12	14.098	240	227355	20.000	ng	0.00
86) Perylene-d12	15.592	264	280304	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	859036	119.087	ng	0.00
7) Phenol-d6	6.569	99	1045685	117.430	ng	0.00
23) Nitrobenzene-d5	7.492	82	970478	119.058	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	280822	118.410	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1690255	109.642	ng	0.00
79) Terphenyl-d14	13.039	244	1434829	110.129	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	204781	61.281	ng	99
3) Pyridine	3.522	79	558243	62.721	ng	99
4) n-Nitrosodimethylamine	3.469	42	251614	62.886	ng	97
6) Aniline	6.593	93	704213	59.165	ng	# 85
8) 2-Chlorophenol	6.722	128	479780	60.217	ng	98
9) Benzaldehyde	6.481	77	529696	73.472	ng	99
10) Phenol	6.587	94	601782	58.663	ng	87
11) bis(2-Chloroethyl)ether	6.663	93	461238	60.168	ng	98
12) 1,3-Dichlorobenzene	6.875	146	528623	59.050	ng	100
13) 1,4-Dichlorobenzene	6.945	146	532575	59.307	ng	99
14) 1,2-Dichlorobenzene	7.098	146	503841	59.261	ng	99
15) Benzyl Alcohol	7.075	79	411011	61.650	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	705931	57.560	ng	92
17) 2-Methylphenol	7.187	107	382072	59.749	ng	99
18) Hexachloroethane	7.445	117	184846	60.543	ng	94
19) n-Nitroso-di-n-propyla...	7.345	70	314244	57.737	ng	99
20) 3+4-Methylphenols	7.340	107	445057	58.302	ng	96
22) Acetophenone	7.340	105	584698	56.897	ng	100
24) Nitrobenzene	7.510	77	510499	60.850	ng	98
25) Isophorone	7.751	82	892536	59.733	ng	99
26) 2-Nitrophenol	7.828	139	256573	62.434	ng	98
27) 2,4-Dimethylphenol	7.863	122	378590	59.098	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	541094	58.925	ng	99
29) 2,4-Dichlorophenol	8.075	162	403885	59.031	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	414723	58.956	ng	99
31) Naphthalene	8.234	128	1314277	57.551	ng	100
32) Benzoic acid	7.998	122	232136	61.815	ng	98
33) 4-Chloroaniline	8.281	127	471374	58.156	ng	99
34) Hexachlorobutadiene	8.351	225	270626	58.968	ng	99
35) Caprolactam	8.663	113	99502	60.607	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	404673	59.020	ng	100
37) 2-Methylnaphthalene	8.922	142	869902	57.034	ng	100
38) 1-Methylnaphthalene	9.022	142	828346	56.776	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	421909	57.894	ng	99
41) Hexachlorocyclopentadiene	9.081	237	172625	62.497	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	275502	61.437	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143483.D
Acq On : 20 Aug 2025 13:51
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

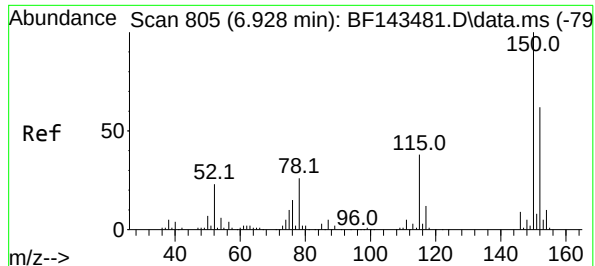
Quant Time: Aug 20 16:23:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	295585	60.345	ng	98
46) 1,1'-Biphenyl	9.386	154	1031320	57.031	ng	100
47) 2-Chloronaphthalene	9.416	162	816474	57.544	ng	99
48) 2-Nitroaniline	9.510	65	252618	60.835	ng	95
49) Acenaphthylene	9.828	152	1171986	57.687	ng	100
50) Dimethylphthalate	9.681	163	898362	58.546	ng	100
51) 2,6-Dinitrotoluene	9.745	165	196694	61.849	ng	98
52) Acenaphthene	10.004	154	798226	57.868	ng	100
53) 3-Nitroaniline	9.916	138	207068	60.257	ng	99
54) 2,4-Dinitrophenol	10.028	184	105073	62.986	ng	98
55) Dibenzofuran	10.175	168	1110414	56.463	ng	99
56) 4-Nitrophenol	10.086	139	131356	64.242	ng	97
57) 2,4-Dinitrotoluene	10.151	165	263001	61.935	ng	99
58) Fluorene	10.516	166	842185	55.641	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	226735	62.306	ng	99
60) Diethylphthalate	10.381	149	791582	57.538	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	433351	57.247	ng	99
62) 4-Nitroaniline	10.533	138	189435	60.015	ng	98
63) Azobenzene	10.669	77	815353	57.158	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	139830	66.197	ng	95
66) n-Nitrosodiphenylamine	10.622	169	714577	59.270	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	270225	60.454	ng	100
68) Hexachlorobenzene	11.069	284	288119	59.797	ng	99
69) Atrazine	11.145	200	195334	62.765	ng	99
70) Pentachlorophenol	11.263	266	146959	66.597	ng	99
71) Phenanthrene	11.480	178	1160860	57.863	ng	100
72) Anthracene	11.533	178	1164449	57.295	ng	100
73) Carbazole	11.686	167	967633	58.105	ng	99
74) Di-n-butylphthalate	12.010	149	963249	62.003	ng	99
75) Fluoranthene	12.669	202	1037239	57.619	ng	100
77) Benzidine	12.786	184	250962	45.316	ng	99
78) Pyrene	12.898	202	1030970	55.127	ng	99
80) Butylbenzylphthalate	13.510	149	347496	68.017	ng	99
81) Benzo(a)anthracene	14.086	228	897535	61.318	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	257059	61.324	ng	97
83) Chrysene	14.127	228	767443	58.342	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	523115	67.227	ng	99
85) Di-n-octyl phthalate	14.680	149	963857	66.864	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	1232879	61.208	ng	100
88) Benzo(b)fluoranthene	15.157	252	897808	57.622	ng	99
89) Benzo(k)fluoranthene	15.186	252	928660	62.250	ng	100
90) Benzo(a)pyrene	15.533	252	876864	60.630	ng	99
91) Dibenzo(a,h)anthracene	17.145	278	982366	60.896	ng	99
92) Benzo(g,h,i)perylene	17.598	276	985608	61.444	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

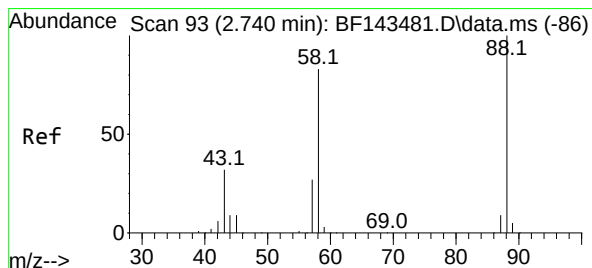
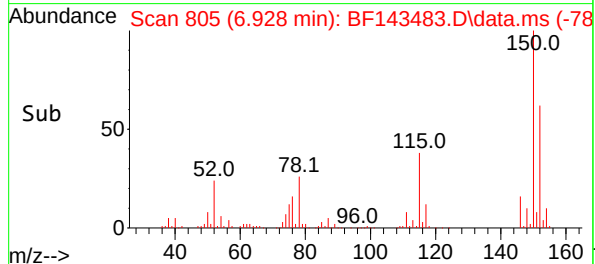
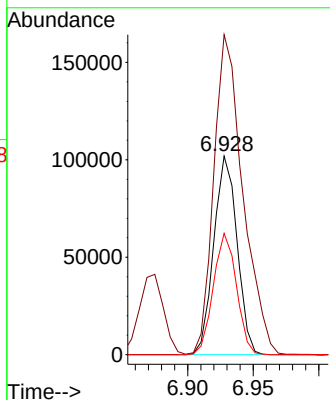
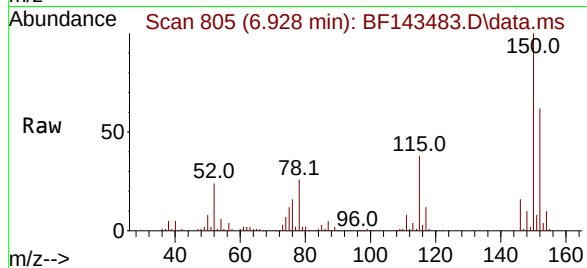
- 1
- 2
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- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

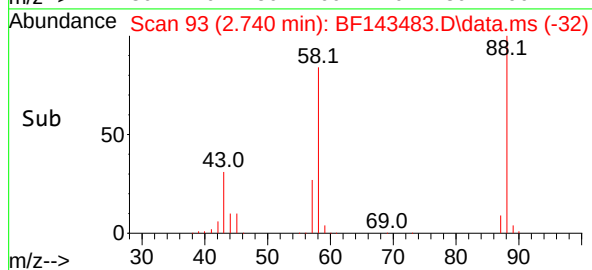
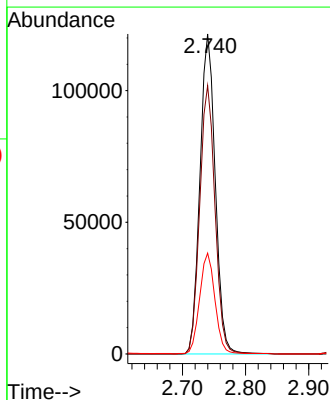
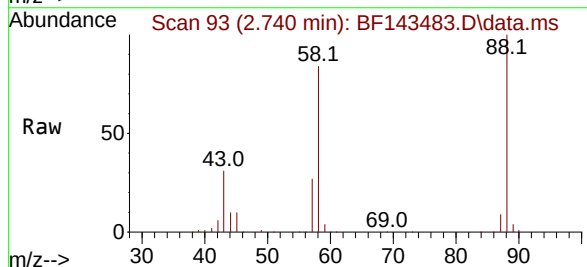
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

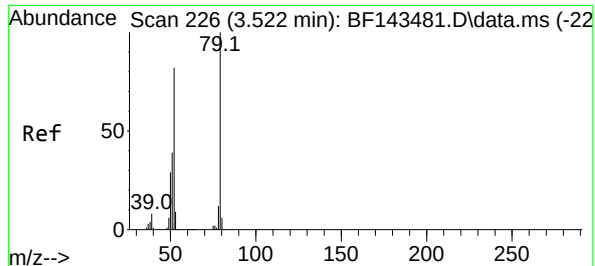
Tgt Ion:152 Resp: 125960
Ion Ratio Lower Upper
152 100
150 161.2 128.9 193.3
115 61.1 49.2 73.8



#2
1,4-Dioxane
Concen: 61.281 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 88 Resp: 204781
Ion Ratio Lower Upper
88 100
58 84.0 66.7 100.1
43 31.8 25.8 38.8





#3

Pyridine

Concen: 62.721 ng

RT: 3.522 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

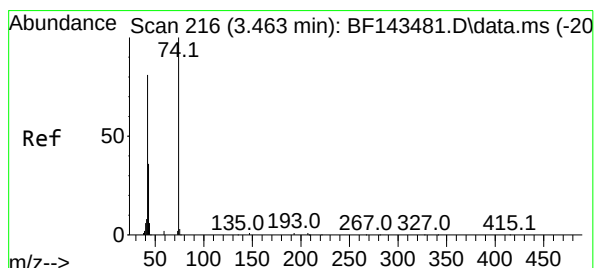
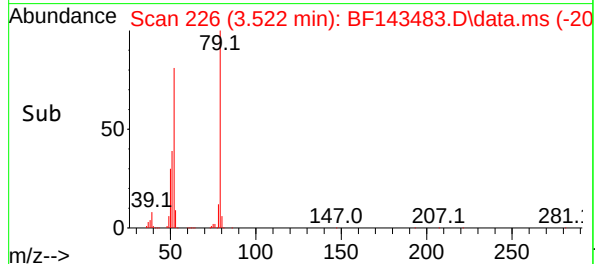
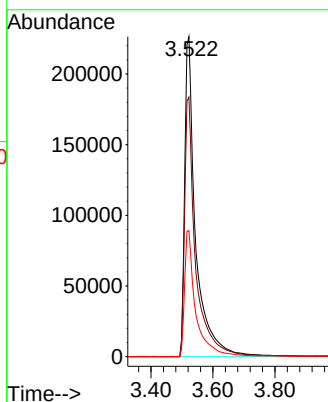
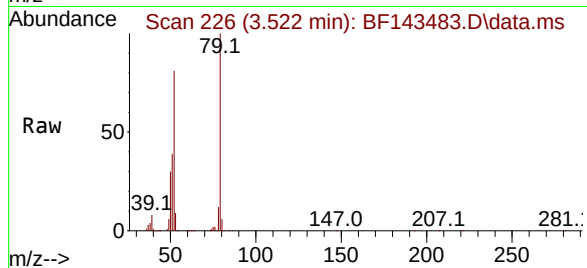
Tgt Ion: 79 Resp: 558243

Ion Ratio Lower Upper

79 100

52 81.1 65.6 98.4

51 39.4 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 62.886 ng

RT: 3.469 min Scan# 217

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

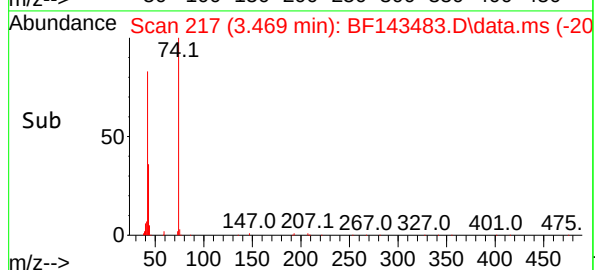
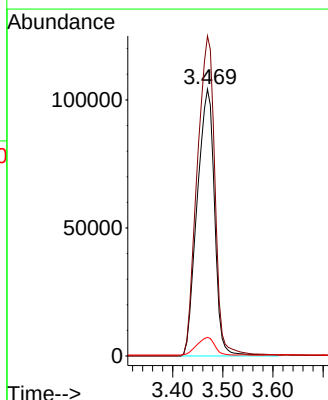
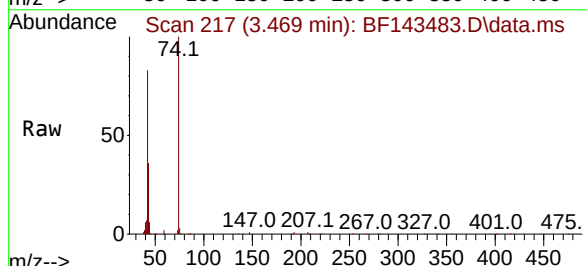
Tgt Ion: 42 Resp: 251614

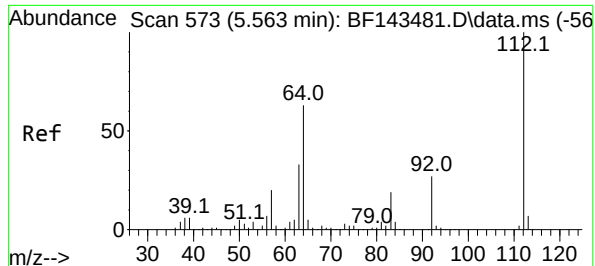
Ion Ratio Lower Upper

42 100

74 120.0 98.6 148.0

44 7.0 5.8 8.8

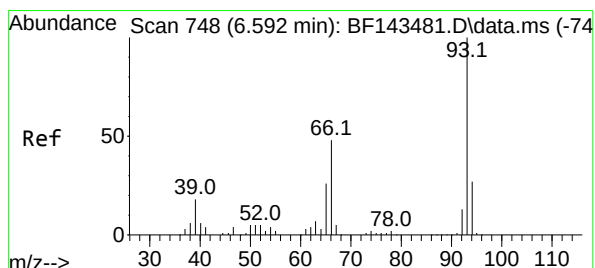
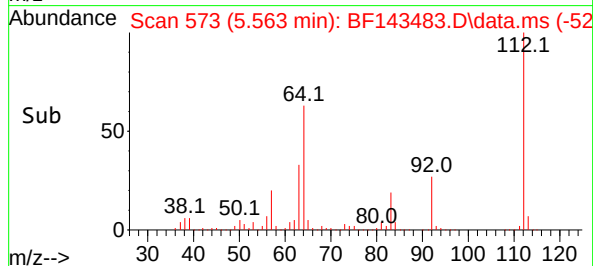
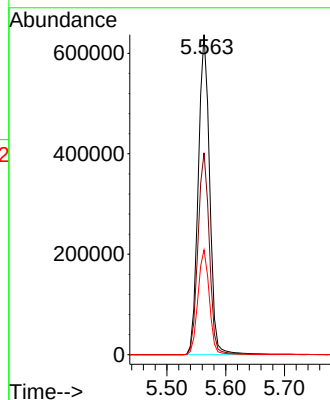
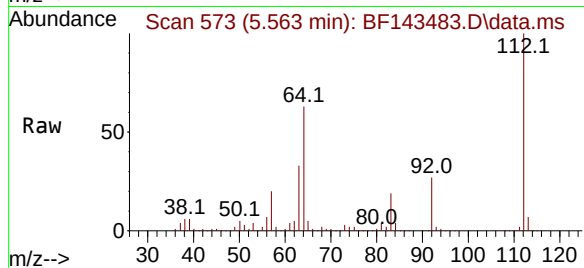




#5
2-Fluorophenol
Concen: 119.087 ng
RT: 5.563 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

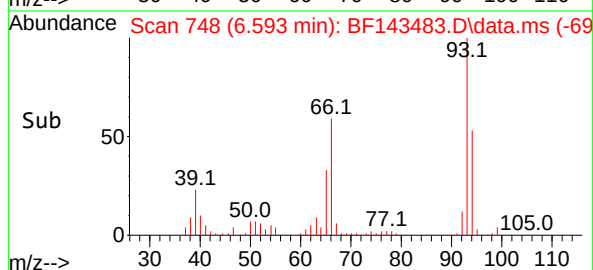
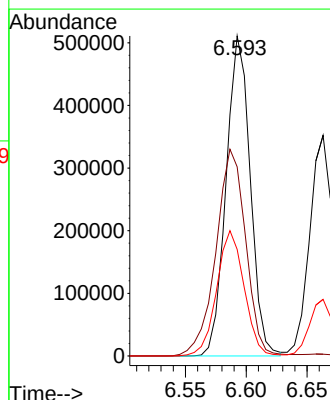
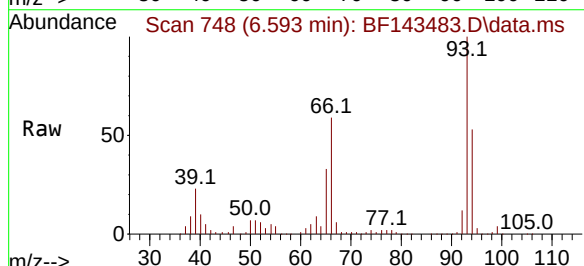
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

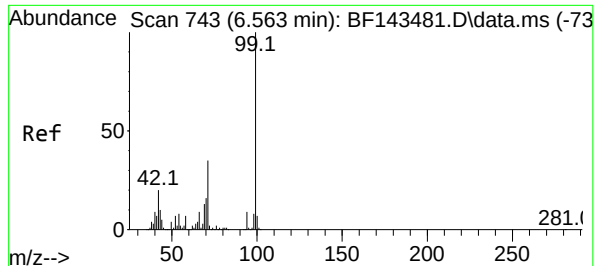
Tgt Ion:112 Resp: 859036
Ion Ratio Lower Upper
112 100
64 63.1 50.4 75.6
63 32.8 26.4 39.6



#6
Aniline
Concen: 59.165 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 93 Resp: 704213
Ion Ratio Lower Upper
93 100
66 59.1 38.9 58.3#
65 33.3 20.6 30.8#

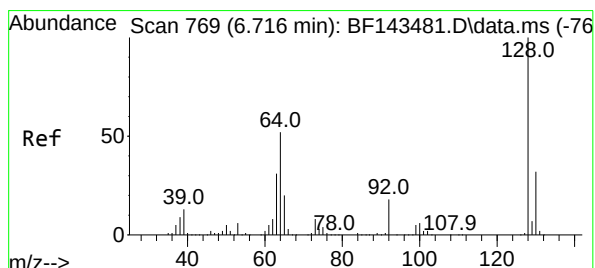
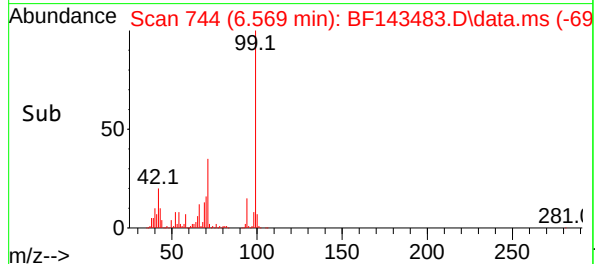
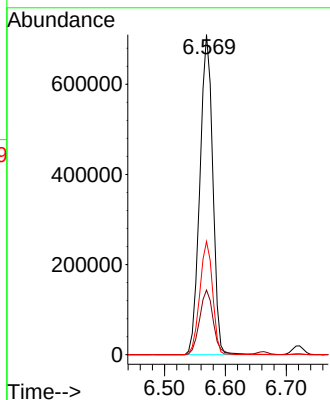
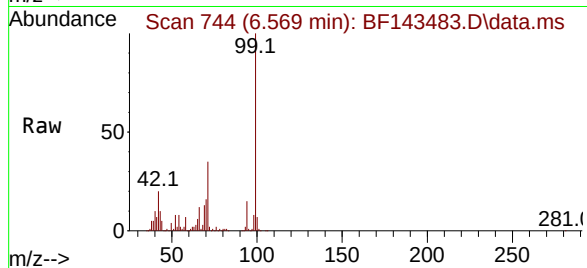




#7
Phenol-d6
Concen: 117.430 ng
RT: 6.569 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

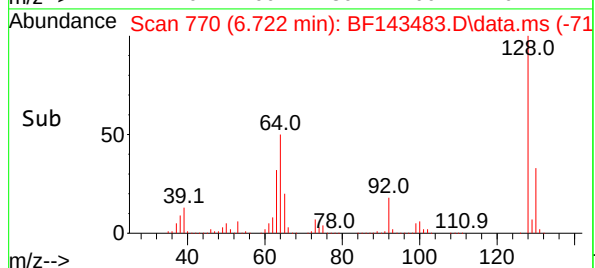
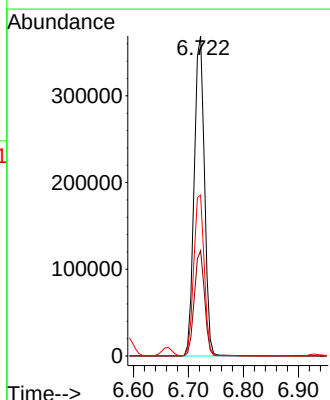
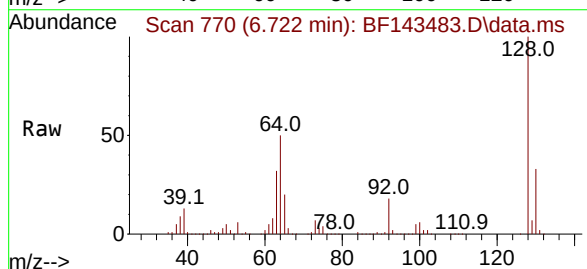
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

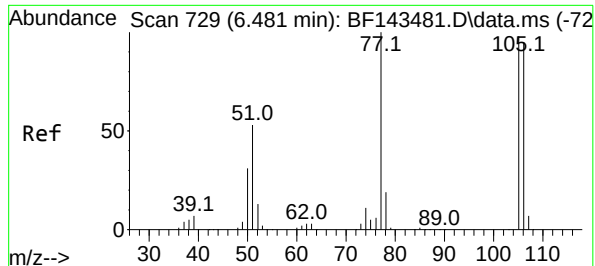
Tgt Ion: 99 Resp: 1045685
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 35.4 28.2 42.2



#8
2-Chlorophenol
Concen: 60.217 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 128 Resp: 479780
Ion Ratio Lower Upper
128 100
130 32.9 12.4 52.4
64 50.3 31.6 71.6





#9

Benzaldehyde

Concen: 73.472 ng

RT: 6.481 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

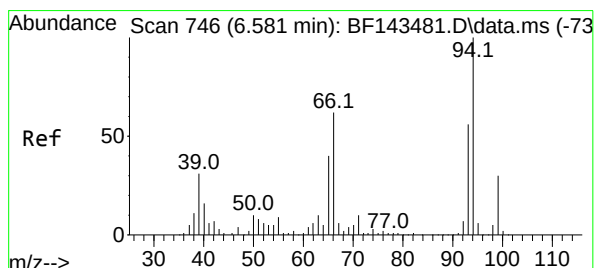
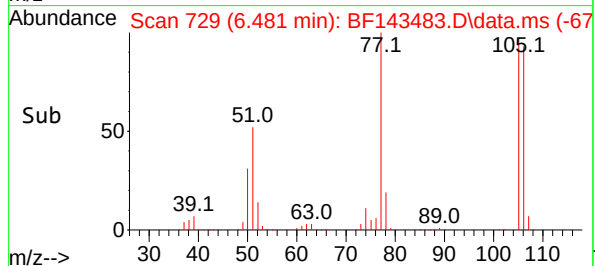
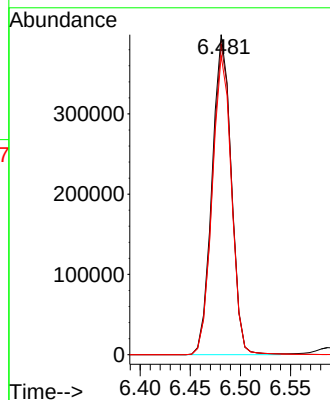
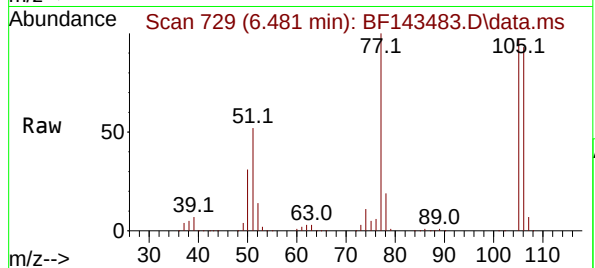
Tgt Ion: 77 Resp: 529696

Ion Ratio Lower Upper

77 100

105 97.0 78.1 118.1

106 93.4 74.9 114.9



#10

Phenol

Concen: 58.663 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

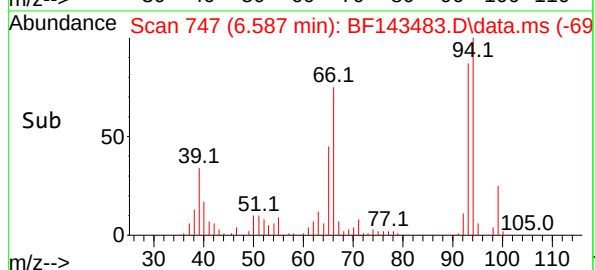
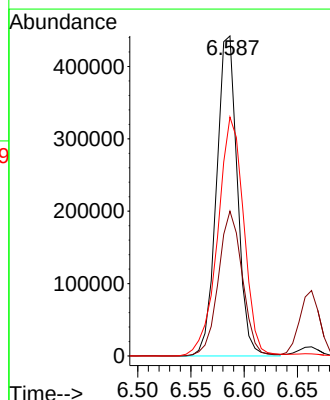
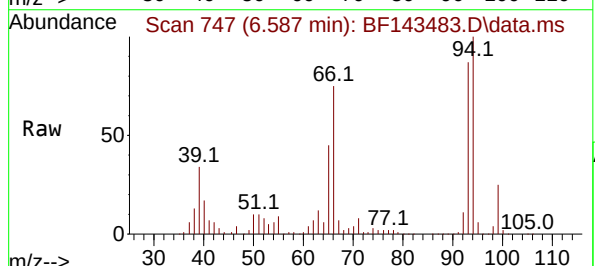
Tgt Ion: 94 Resp: 601782

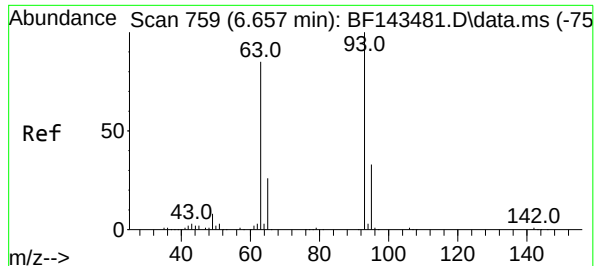
Ion Ratio Lower Upper

94 100

65 45.3 19.5 59.5

66 74.7 42.5 82.5

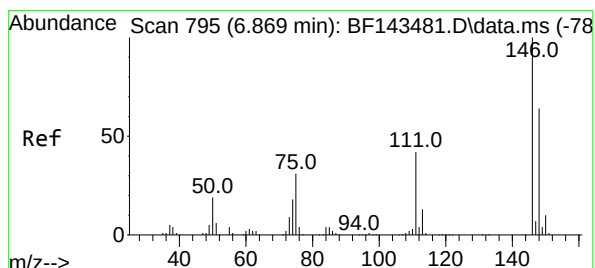
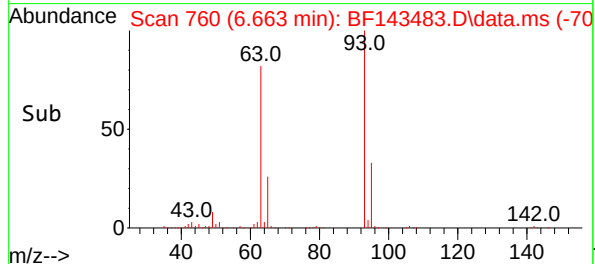
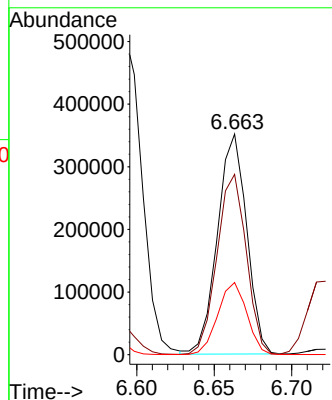
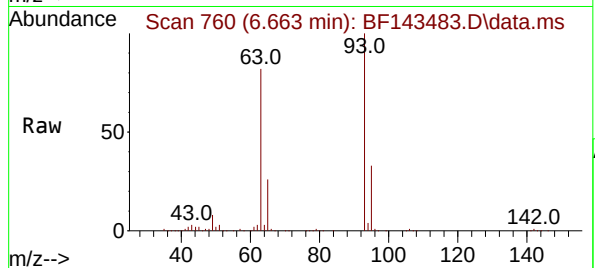




#11
bis(2-Chloroethyl)ether
Concen: 60.168 ng
RT: 6.663 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

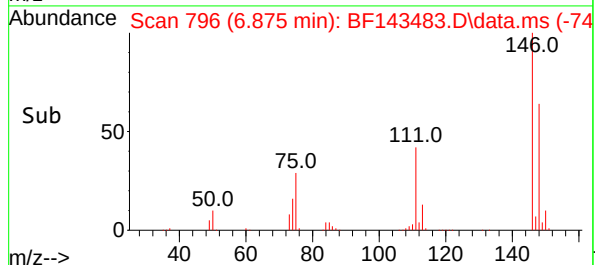
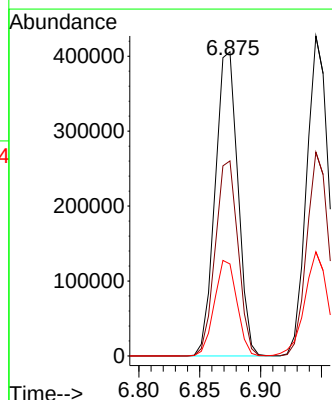
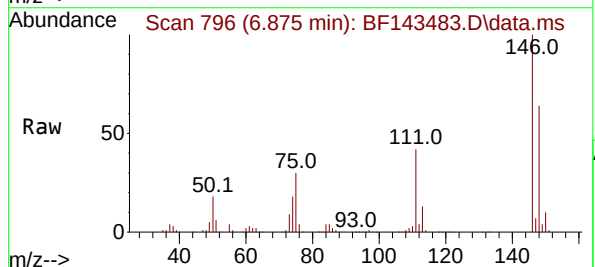
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

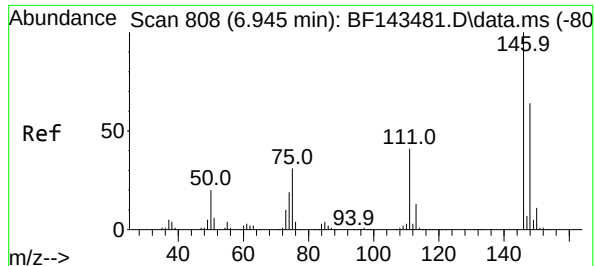
Tgt Ion: 93 Resp: 461238
Ion Ratio Lower Upper
93 100
63 81.7 63.6 103.6
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 59.050 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 146 Resp: 528623
Ion Ratio Lower Upper
146 100
148 64.1 51.3 76.9
75 30.3 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 59.307 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

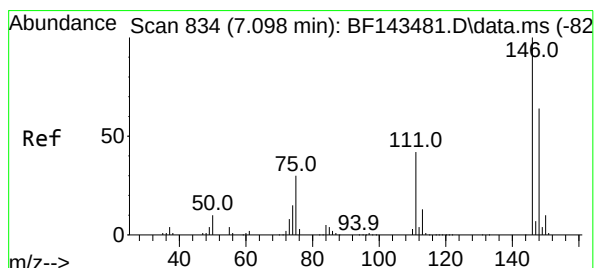
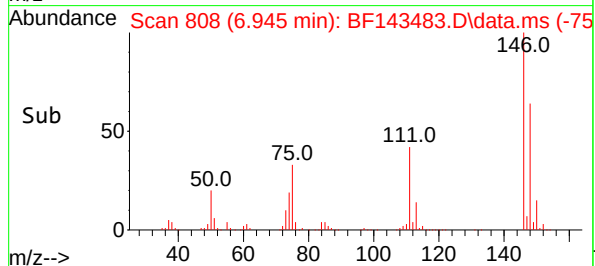
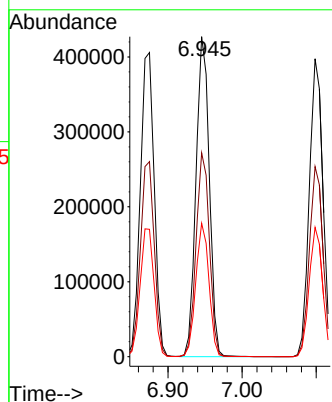
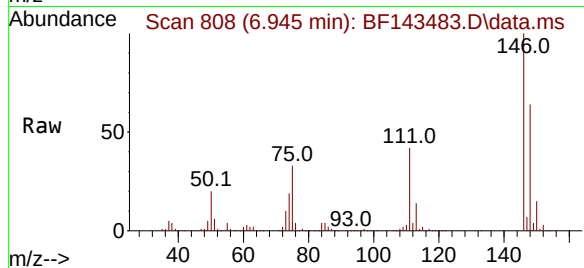
Tgt Ion:146 Resp: 532575

Ion Ratio Lower Upper

146 100

148 63.7 51.5 77.3

111 41.7 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 59.261 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

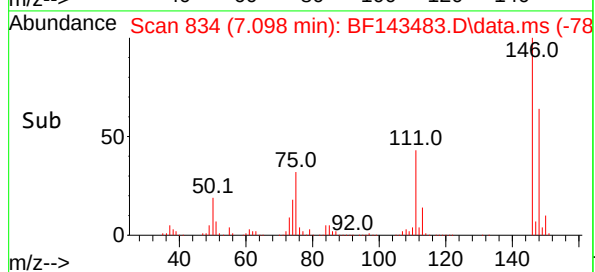
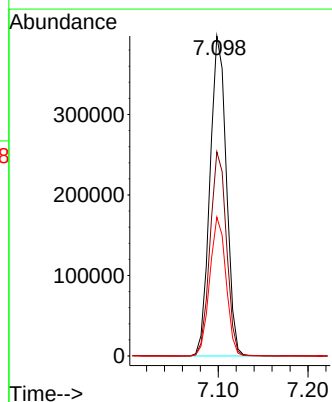
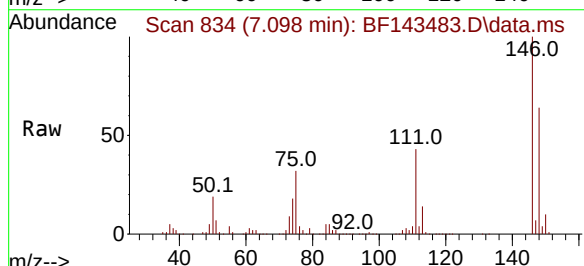
Tgt Ion:146 Resp: 503841

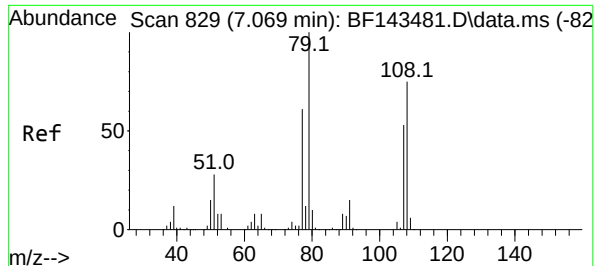
Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

111 43.4 34.0 51.0

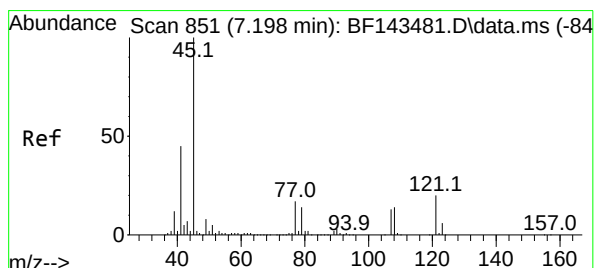
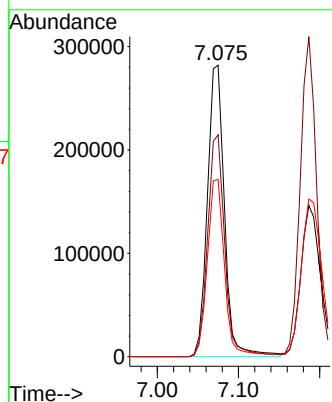
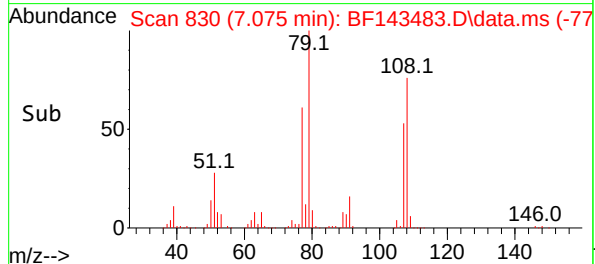
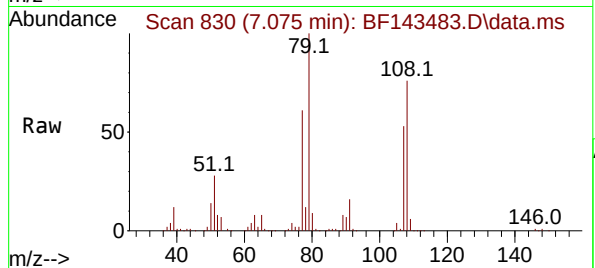




#15
Benzyl Alcohol
Concen: 61.650 ng
RT: 7.075 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

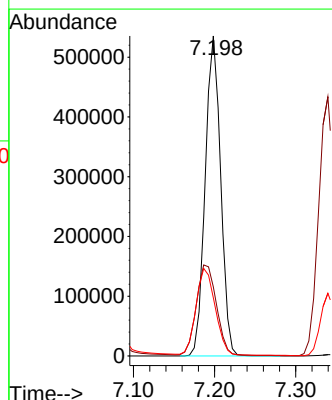
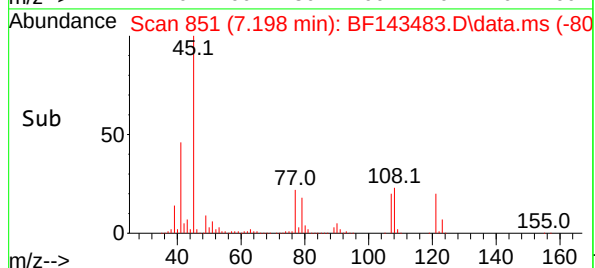
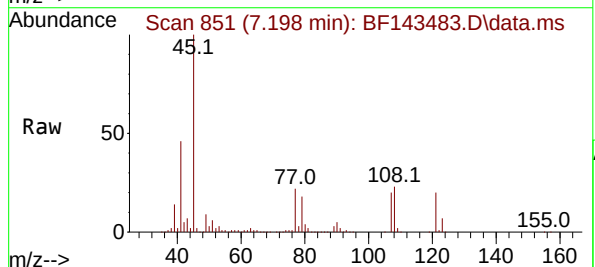
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

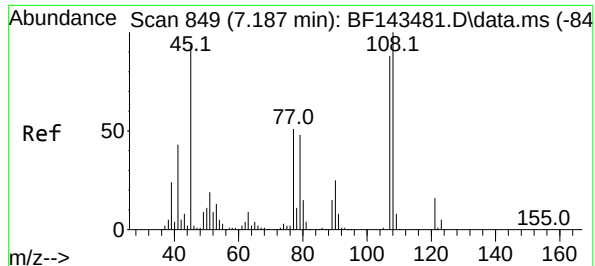
Tgt Ion: 79 Resp: 411011
Ion Ratio Lower Upper
79 100
108 76.1 59.8 89.6
77 60.8 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.560 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 45 Resp: 705931
Ion Ratio Lower Upper
45 100
77 21.6 0.0 37.9
79 18.2 0.0 34.7





#17

2-Methylphenol

Concen: 59.749 ng

RT: 7.187 min Scan# 849

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:107 Resp: 382072

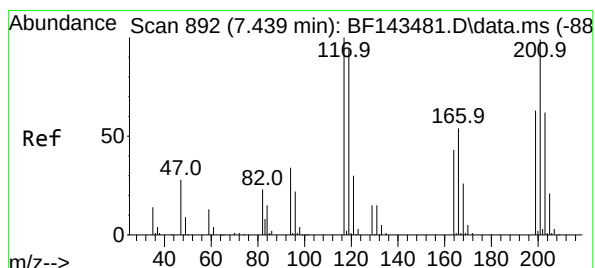
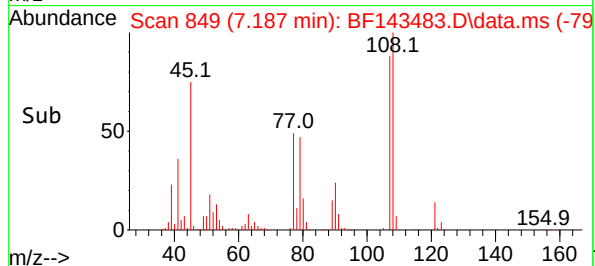
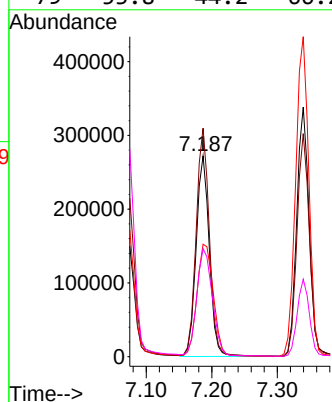
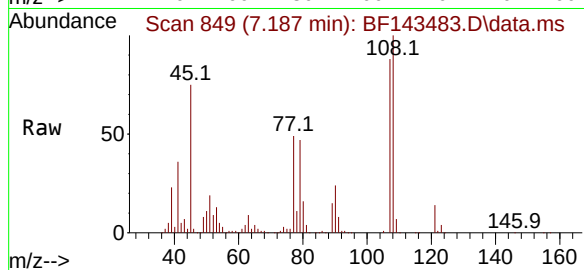
Ion Ratio Lower Upper

107 100

108 113.8 91.1 136.7

77 56.0 46.2 69.4

79 53.8 44.2 66.2



#18

Hexachloroethane

Concen: 60.543 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

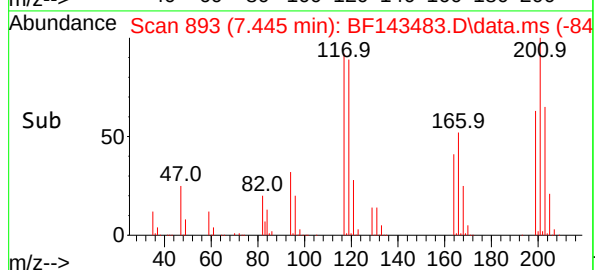
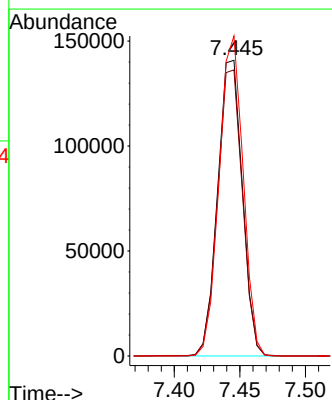
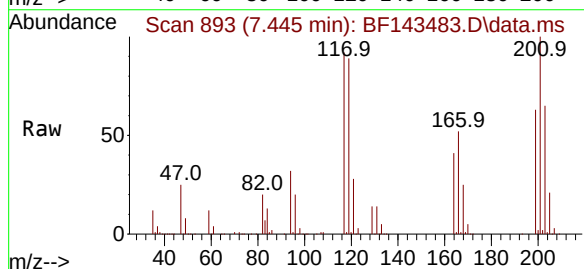
Tgt Ion:117 Resp: 184846

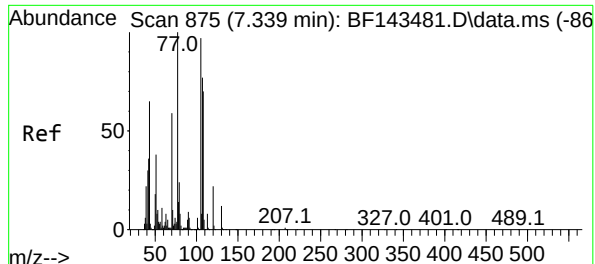
Ion Ratio Lower Upper

117 100

119 96.7 75.4 113.0

201 108.2 79.0 118.4





#19

n-Nitroso-di-n-propylamine

Concen: 57.737 ng

RT: 7.345 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 314244

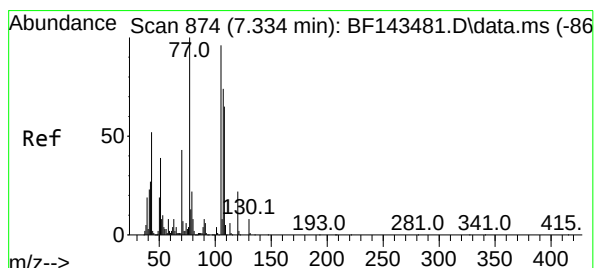
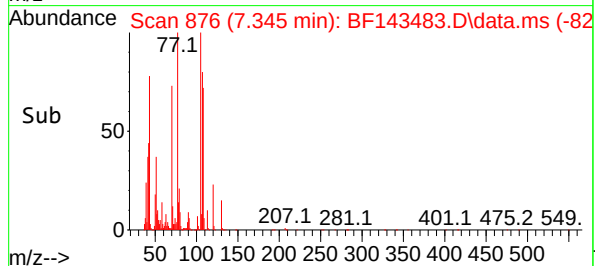
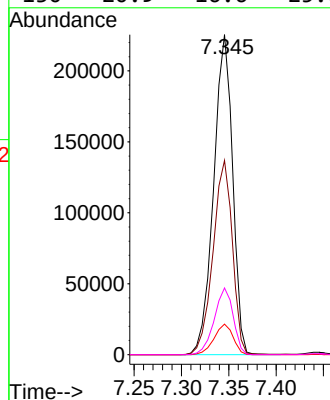
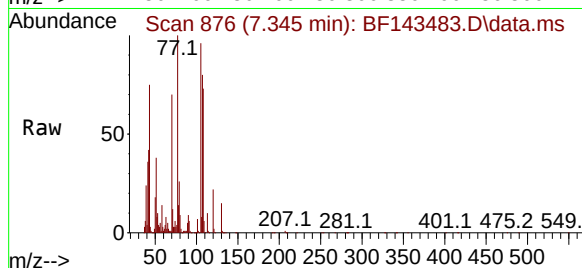
Ion Ratio Lower Upper

70 100

42 60.7 49.3 73.9

101 9.6 7.8 11.8

130 20.9 16.6 25.0



#20

3+4-Methylphenols

Concen: 58.302 ng

RT: 7.340 min Scan# 875

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Tgt Ion: 107 Resp: 445057

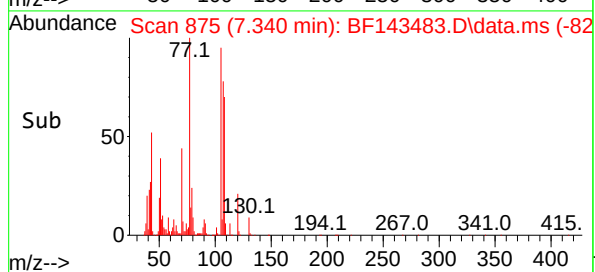
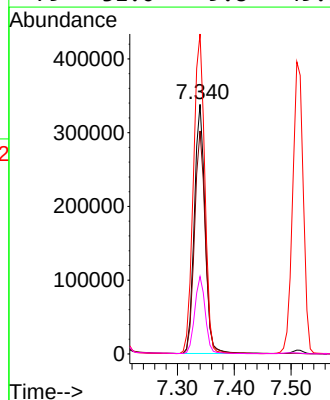
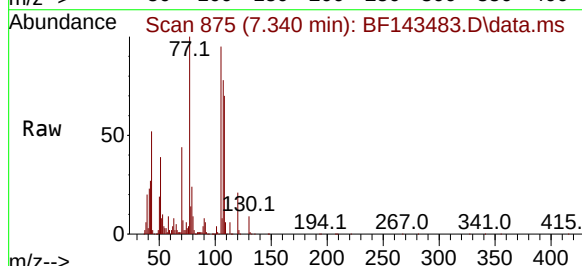
Ion Ratio Lower Upper

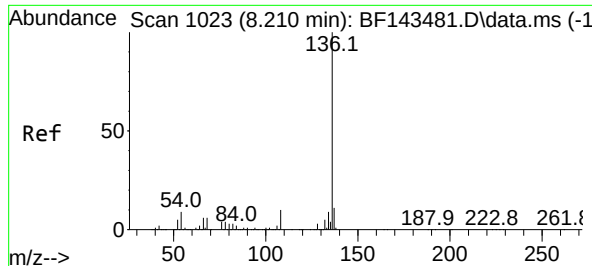
107 100

108 89.4 68.4 108.4

77 128.2 116.1 156.1

79 31.0 9.8 49.8

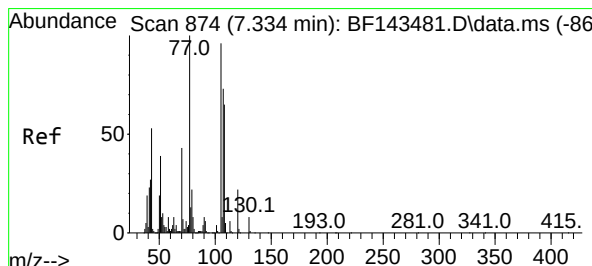
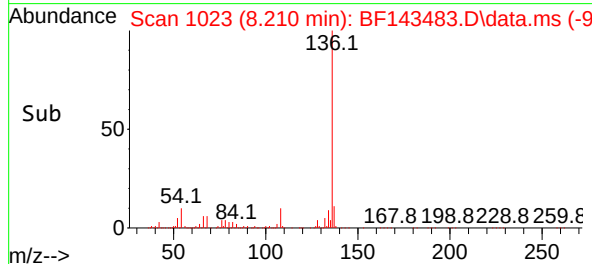
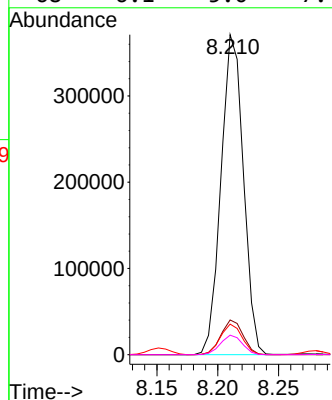
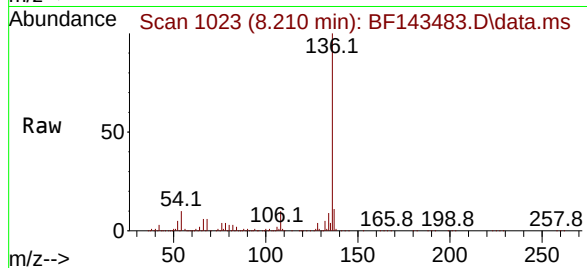




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

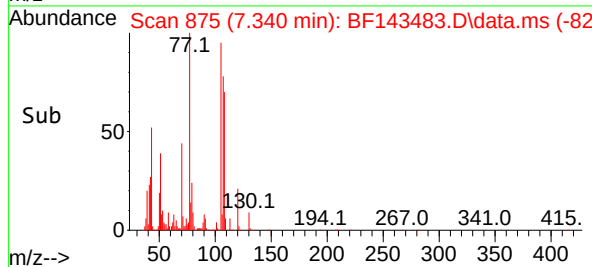
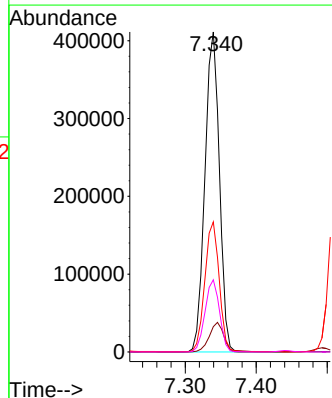
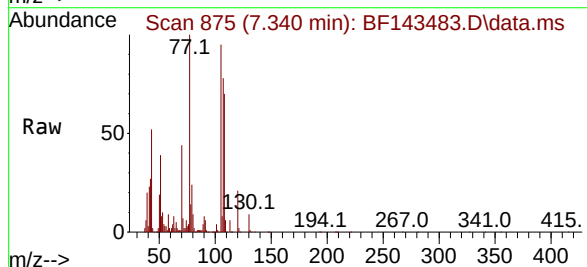
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

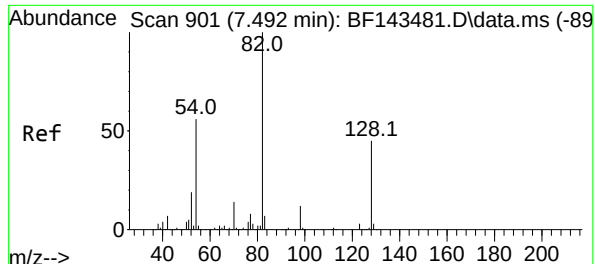
Tgt Ion:	136	Resp:	475666
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	9.6	7.4	11.2
68	6.1	5.0	7.4



#22
Acetophenone
Concen: 56.897 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:	105	Resp:	584698
Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.9	8.9
51	40.6	32.5	48.7
120	22.5	18.0	27.0





#23

Nitrobenzene-d5

Concen: 119.058 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

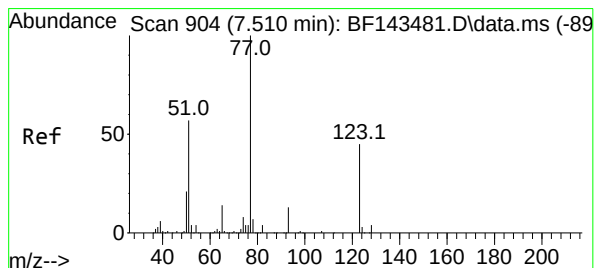
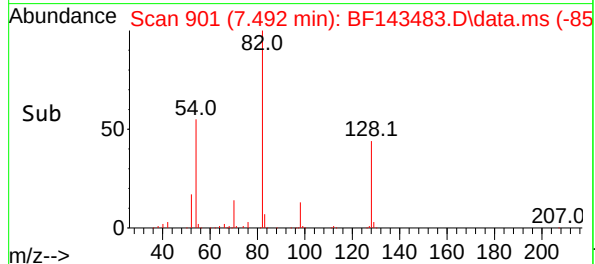
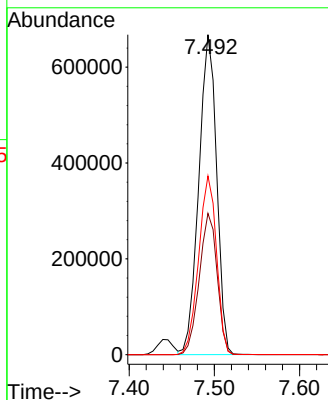
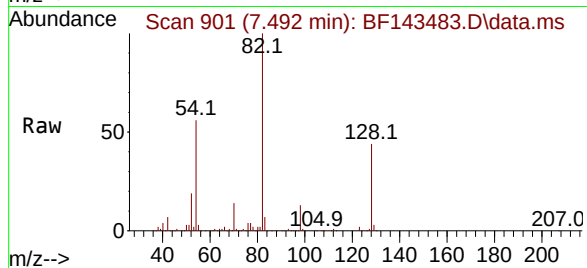
Tgt Ion: 82 Resp: 970478

Ion Ratio Lower Upper

82 100

128 44.1 35.5 53.3

54 55.9 44.3 66.5



#24

Nitrobenzene

Concen: 60.850 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

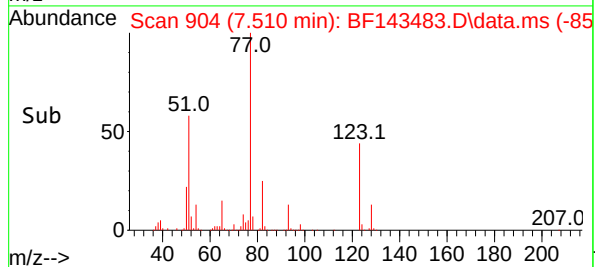
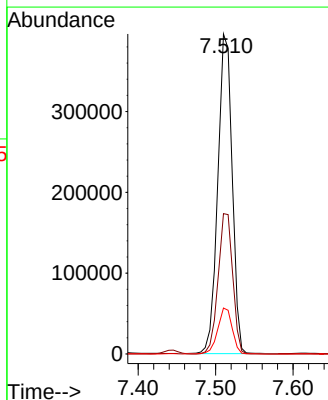
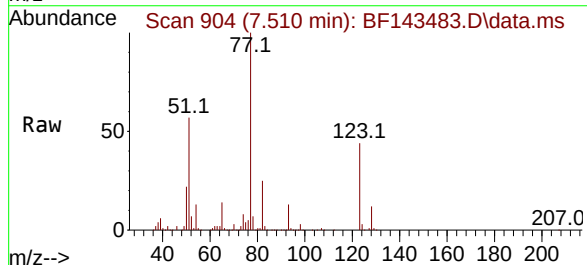
Tgt Ion: 77 Resp: 510499

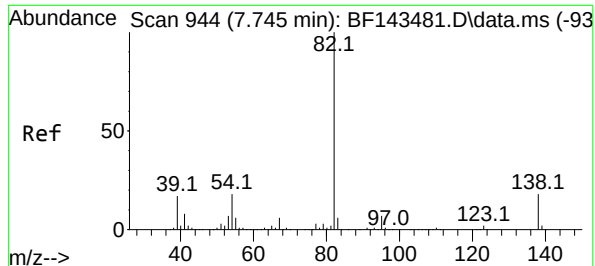
Ion Ratio Lower Upper

77 100

123 43.9 36.1 54.1

65 14.4 11.0 16.6

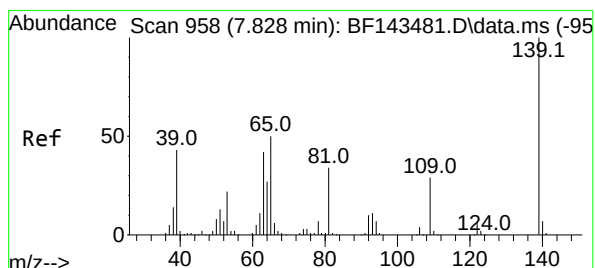
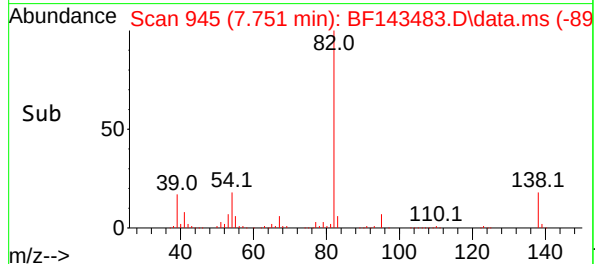
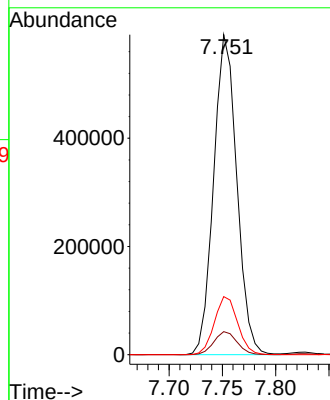
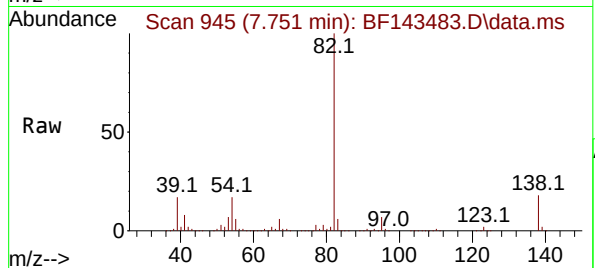




#25
Isophorone
Concen: 59.733 ng
RT: 7.751 min Scan# 944
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

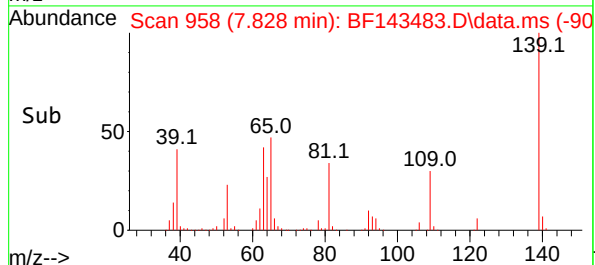
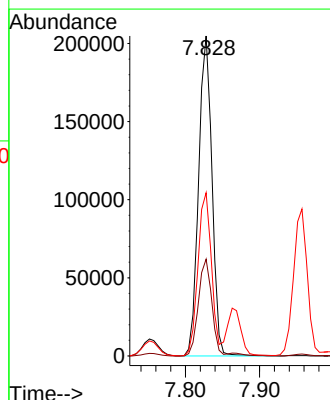
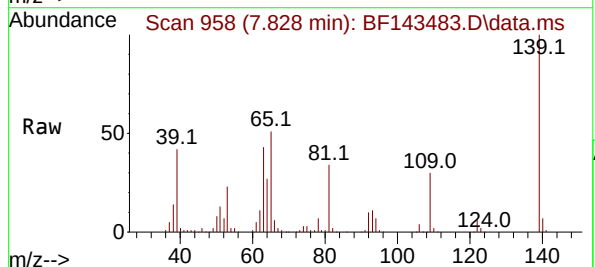
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

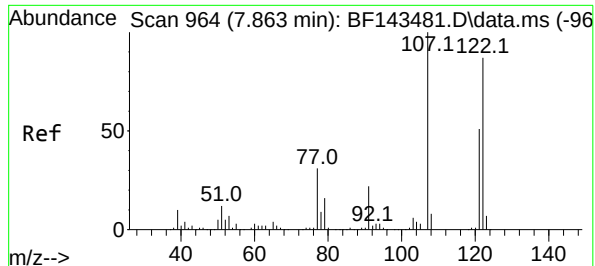
Tgt Ion: 82 Resp: 892536
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 18.1 14.2 21.4



#26
2-Nitrophenol
Concen: 62.434 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 139 Resp: 256573
Ion Ratio Lower Upper
139 100
109 30.3 23.0 34.6
65 51.0 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 59.098 ng

RT: 7.863 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

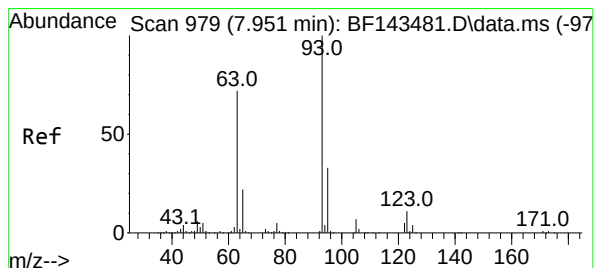
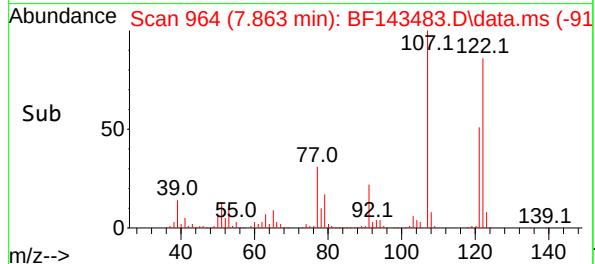
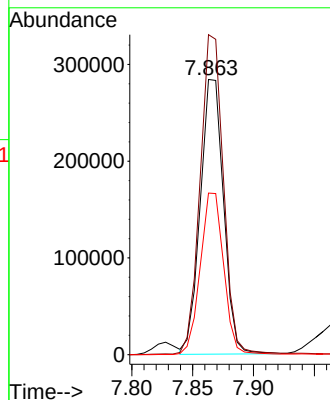
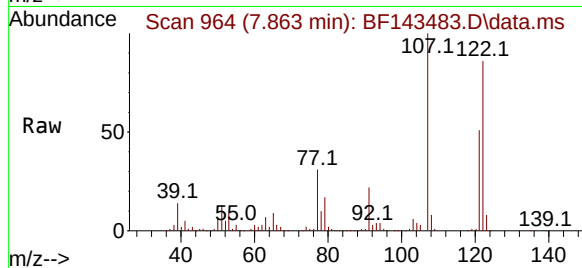
Tgt Ion:122 Resp: 378590

Ion Ratio Lower Upper

122 100

107 116.3 91.5 137.3

121 58.7 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 58.925 ng

RT: 7.957 min Scan# 980

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

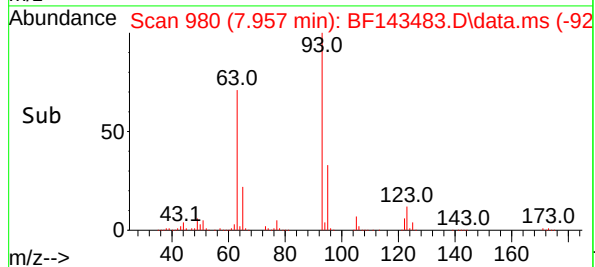
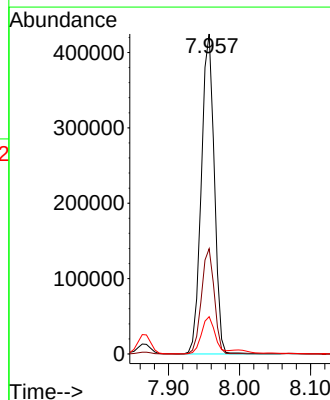
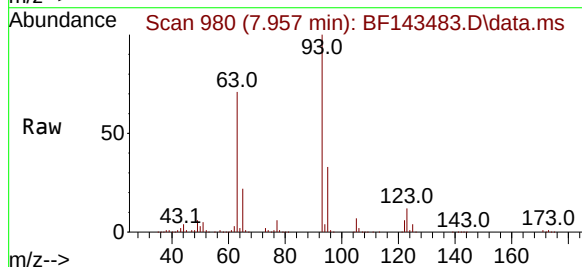
Tgt Ion: 93 Resp: 541094

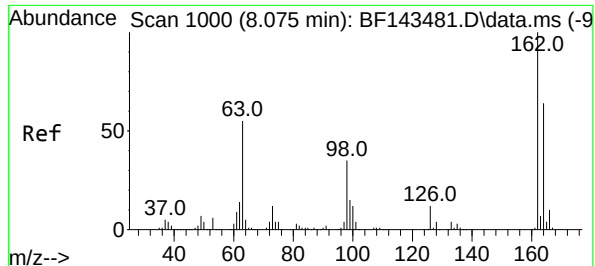
Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 59.031 ng

RT: 8.075 min Scan# 1000

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

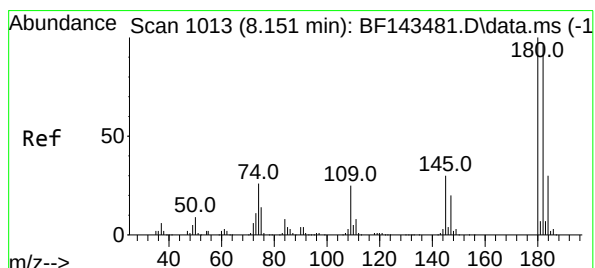
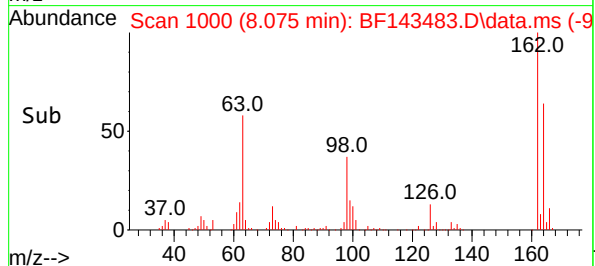
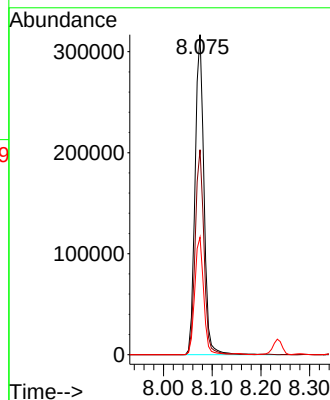
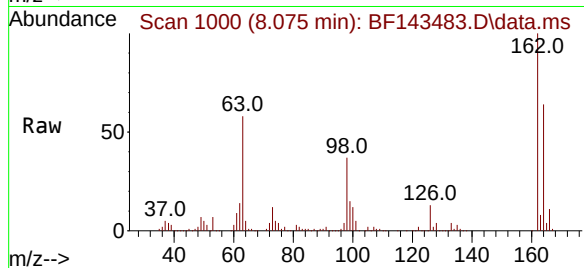
Tgt Ion:162 Resp: 403885

Ion Ratio Lower Upper

162 100

164 64.0 43.5 83.5

98 36.7 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 58.956 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

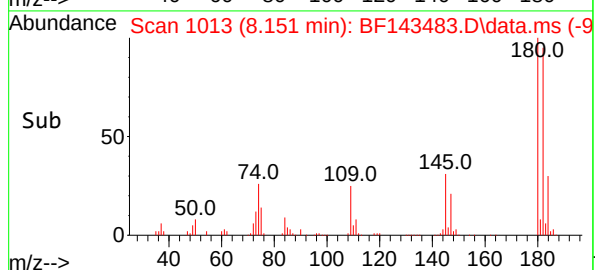
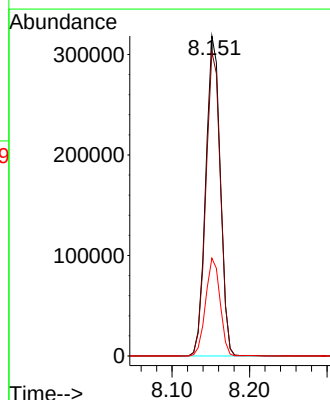
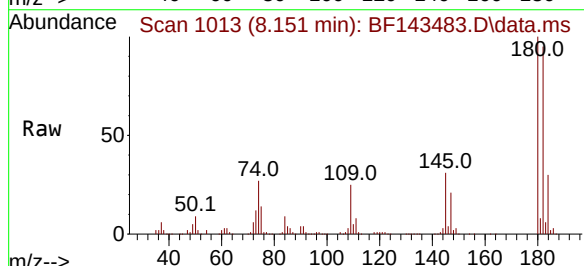
Tgt Ion:180 Resp: 414723

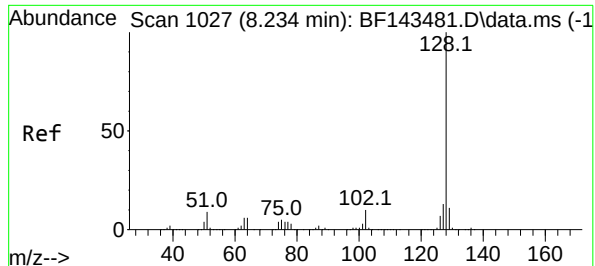
Ion Ratio Lower Upper

180 100

182 95.0 76.6 114.8

145 30.6 24.3 36.5

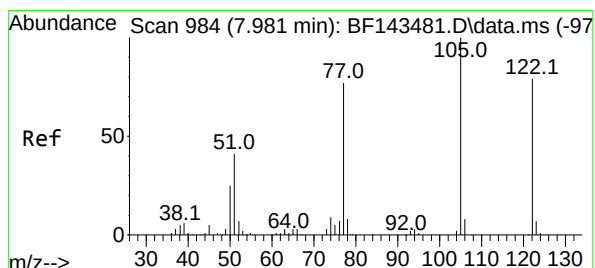
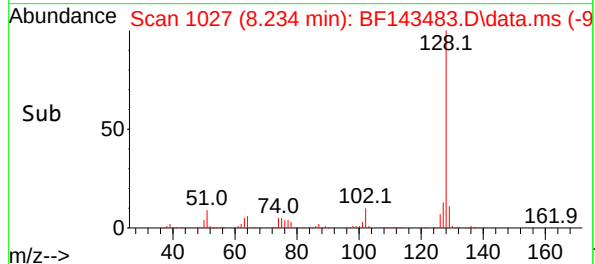
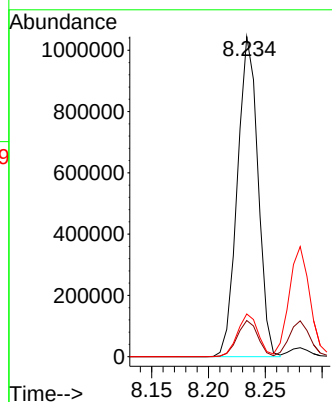
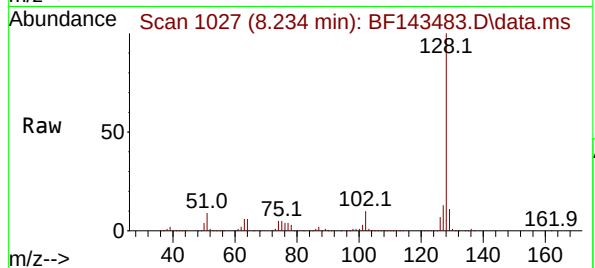




#31
Naphthalene
Concen: 57.551 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

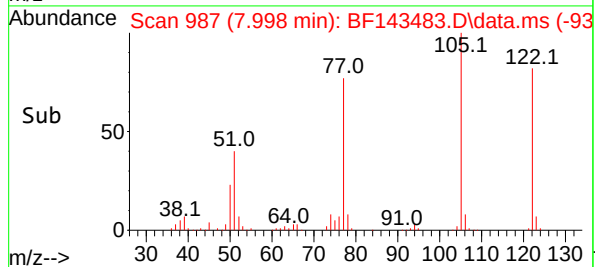
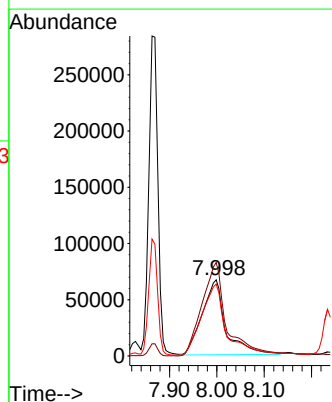
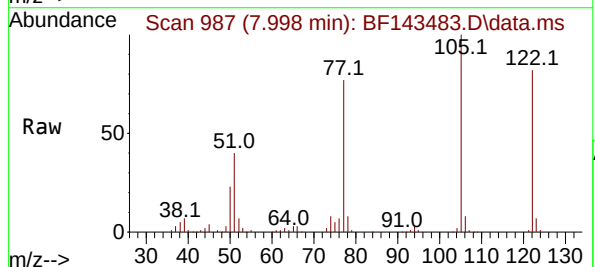
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

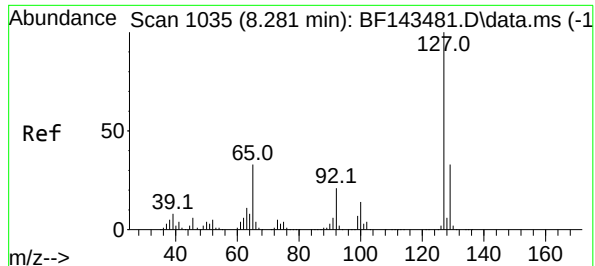
Tgt Ion:128 Resp: 1314277
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 61.815 ng
RT: 7.998 min Scan# 987
Delta R.T. -0.012 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:122 Resp: 232136
Ion Ratio Lower Upper
122 100
105 122.6 104.7 144.7
77 94.3 77.3 117.3





#33

4-Chloroaniline

Concen: 58.156 ng

RT: 8.281 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 471374

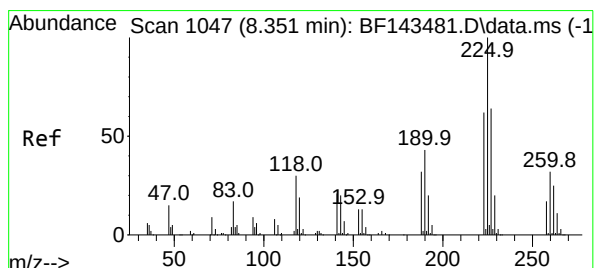
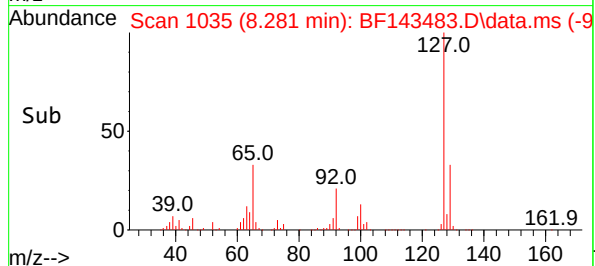
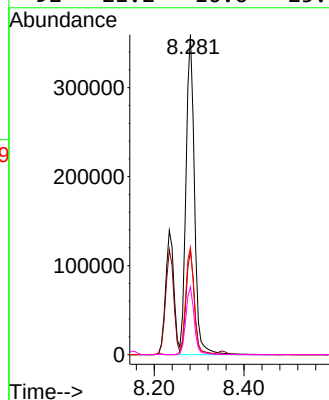
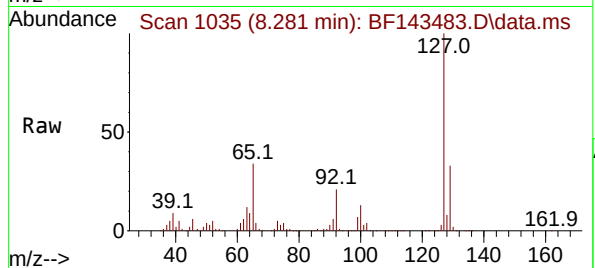
Ion Ratio Lower Upper

127 100

129 32.5 26.1 39.1

65 33.6 26.2 39.2

92 21.2 16.6 25.0



#34

Hexachlorobutadiene

Concen: 58.968 ng

RT: 8.351 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

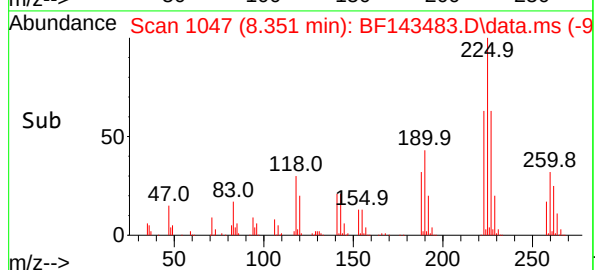
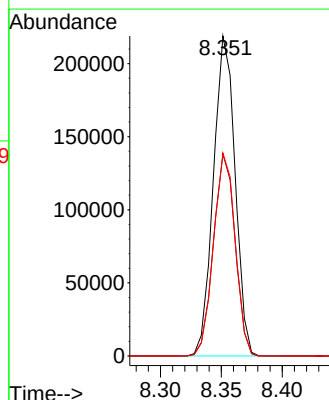
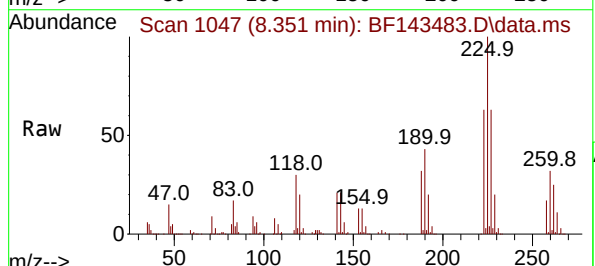
Tgt Ion:225 Resp: 270626

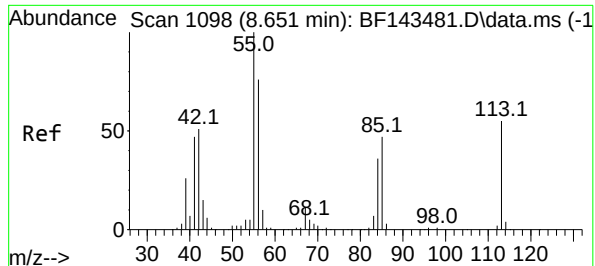
Ion Ratio Lower Upper

225 100

223 63.1 49.9 74.9

227 63.4 50.9 76.3

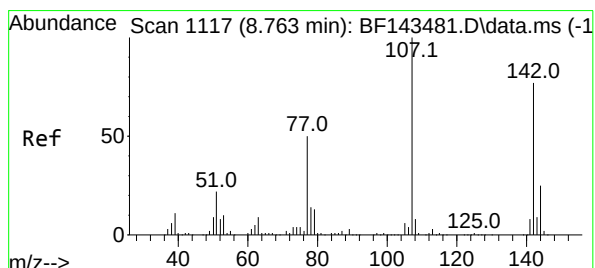
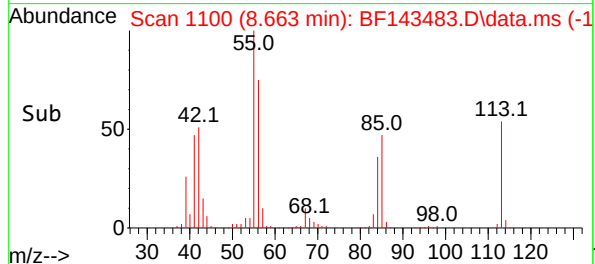
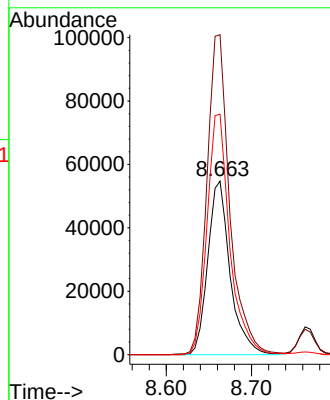
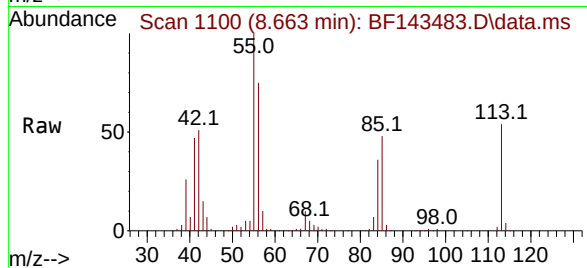




#35
 Caprolactam
 Concen: 60.607 ng
 RT: 8.663 min Scan# 1100
 Delta R.T. -0.012 min
 Lab File: BF143483.D
 Acq: 20 Aug 2025 13:51

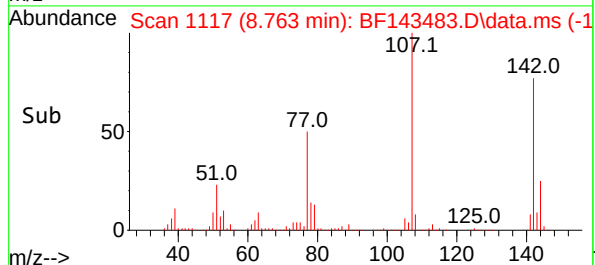
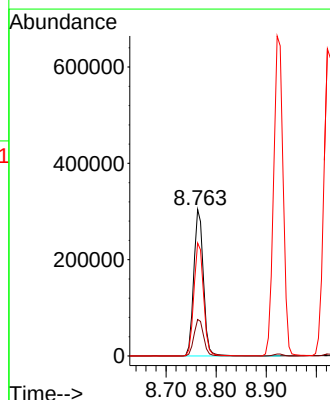
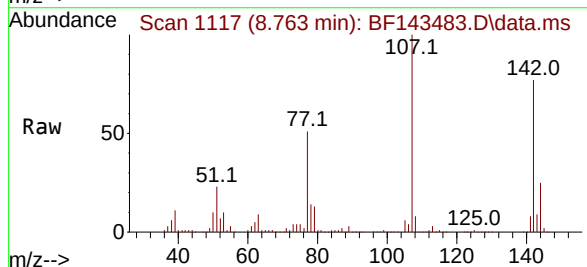
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

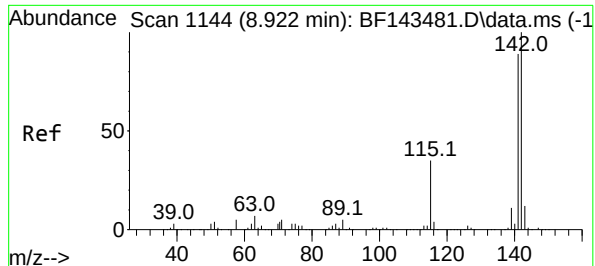
Tgt Ion:113 Resp: 99502
 Ion Ratio Lower Upper
 113 100
 55 184.3 162.8 202.8
 56 138.6 118.1 158.1



#36
 4-Chloro-3-methylphenol
 Concen: 59.020 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. -0.006 min
 Lab File: BF143483.D
 Acq: 20 Aug 2025 13:51

Tgt Ion:107 Resp: 404673
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.9 29.9
 142 77.1 61.8 92.8





#37

2-Methylnaphthalene

Concen: 57.034 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

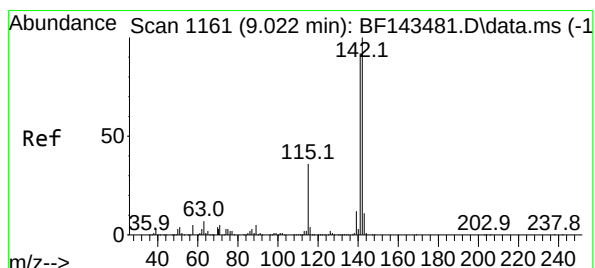
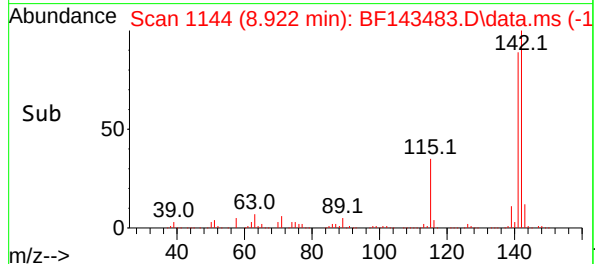
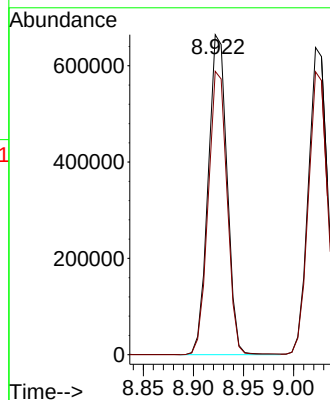
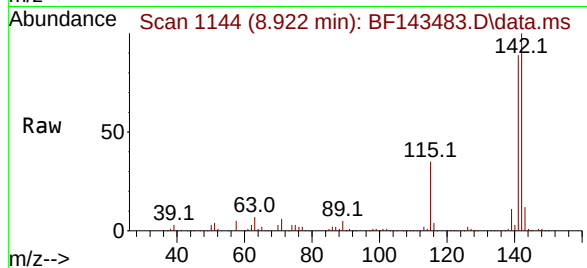
SSTDICC060

Tgt Ion:142 Resp: 869902

Ion Ratio Lower Upper

142 100

141 88.5 71.0 106.4



#38

1-Methylnaphthalene

Concen: 56.776 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF143483.D

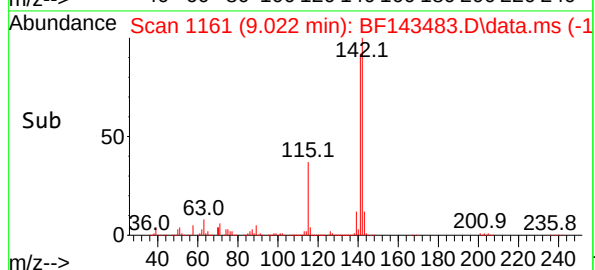
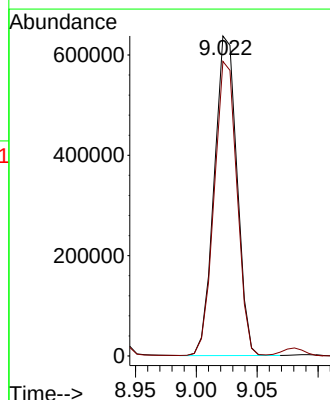
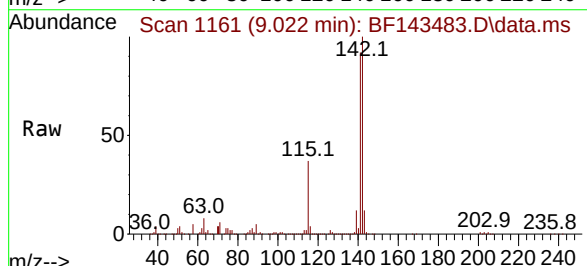
Acq: 20 Aug 2025 13:51

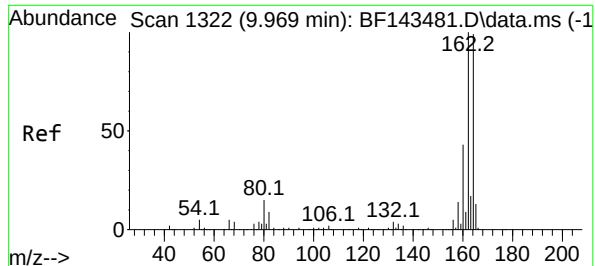
Tgt Ion:142 Resp: 828346

Ion Ratio Lower Upper

142 100

141 92.1 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

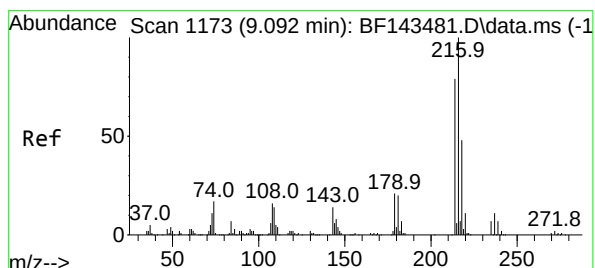
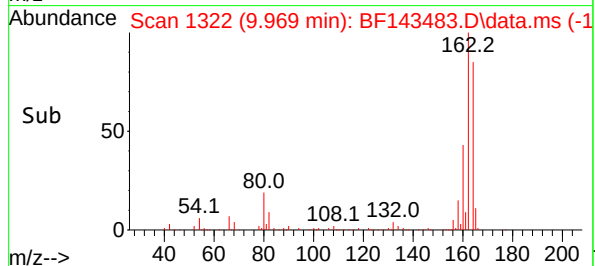
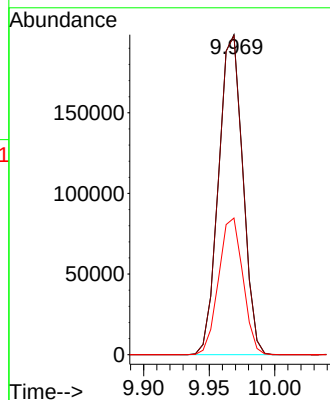
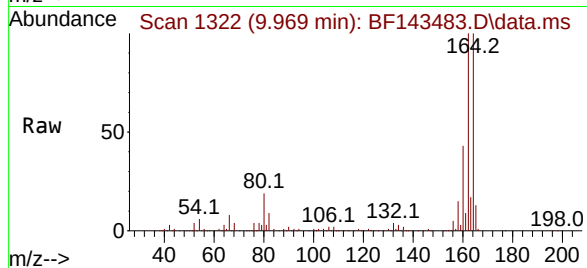
Tgt Ion:164 Resp: 254778

Ion Ratio Lower Upper

164 100

162 99.7 80.5 120.7

160 42.7 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.894 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Tgt Ion:216 Resp: 421909

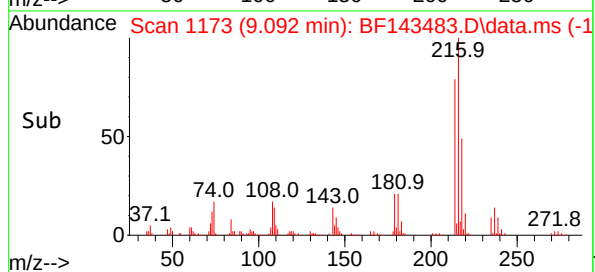
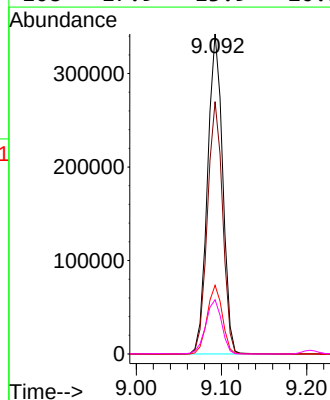
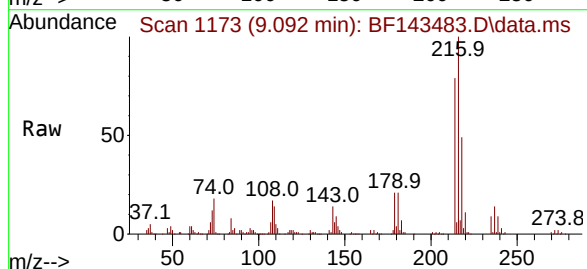
Ion Ratio Lower Upper

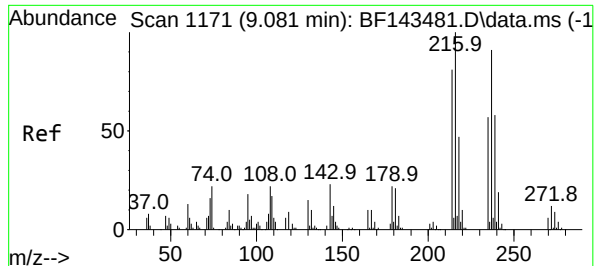
216 100

214 78.8 63.4 95.0

179 21.3 16.5 24.7

108 17.9 13.9 20.9

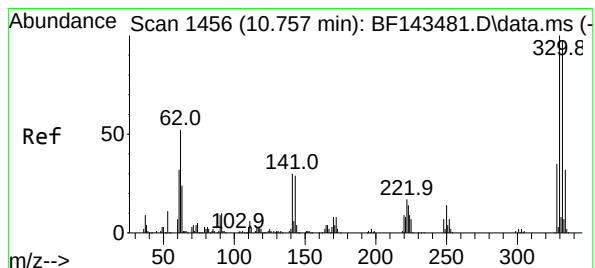
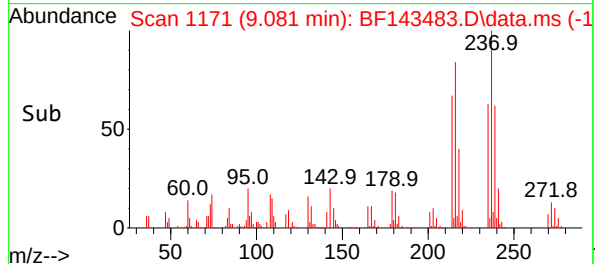
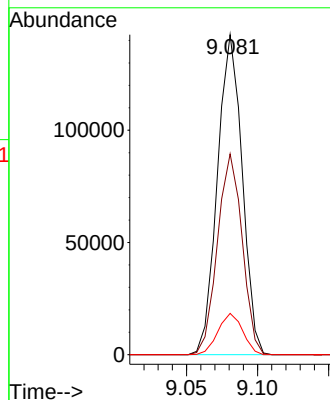
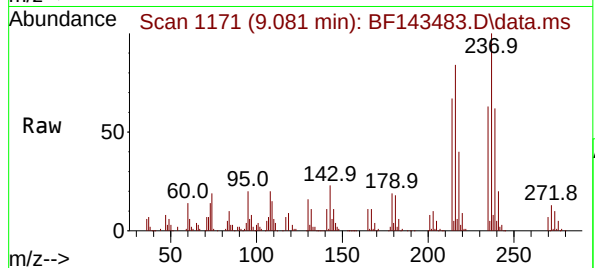




#41
Hexachlorocyclopentadiene
Concen: 62.497 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

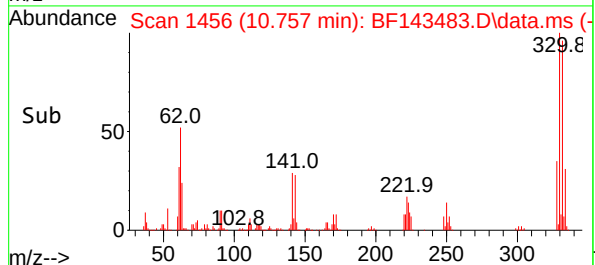
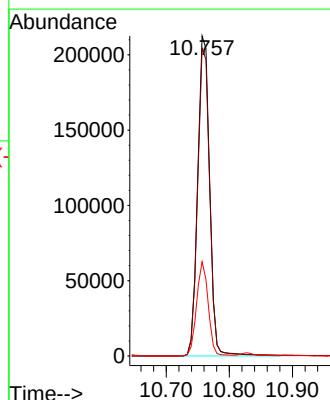
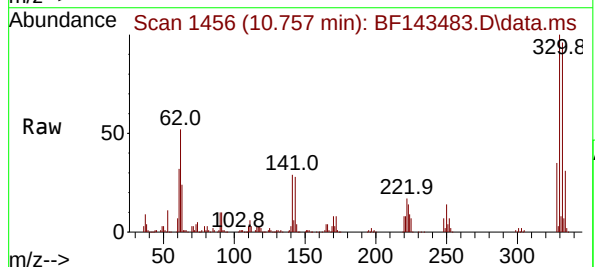
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

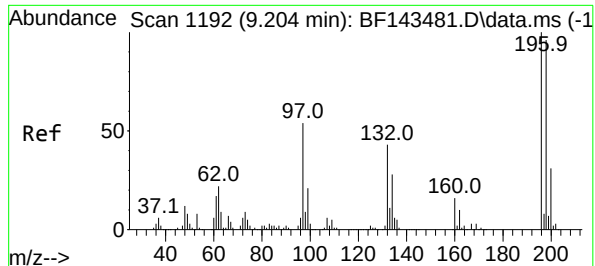
Tgt Ion: 237 Resp: 172625
Ion Ratio Lower Upper
237 100
235 62.8 42.6 82.6
272 12.9 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 118.410 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 330 Resp: 280822
Ion Ratio Lower Upper
330 100
332 96.6 78.0 117.0
141 28.5 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 61.437 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

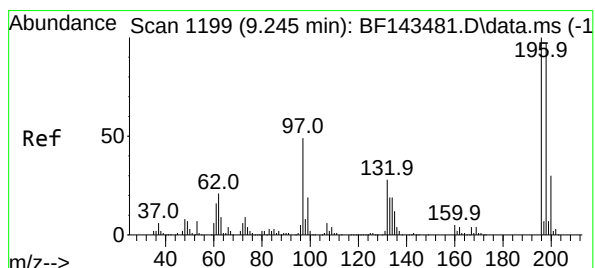
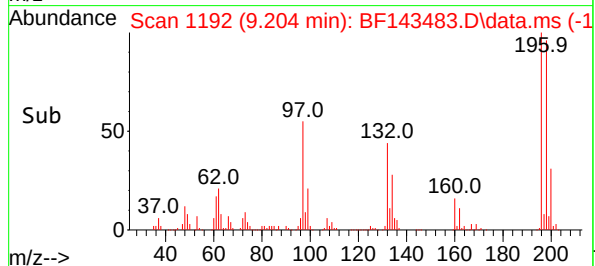
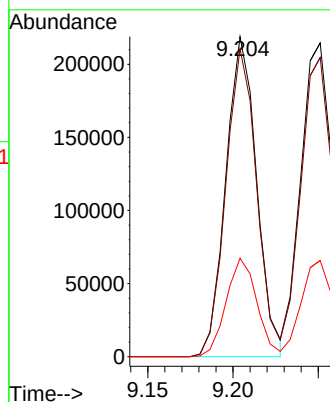
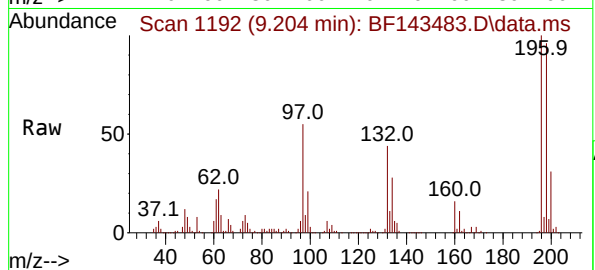
Tgt Ion:196 Resp: 275502

Ion Ratio Lower Upper

196 100

198 96.2 77.0 115.4

200 30.7 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 60.345 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Tgt Ion:196 Resp: 295585

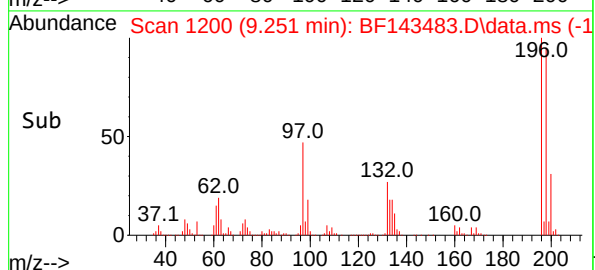
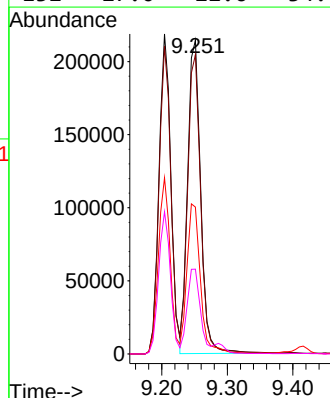
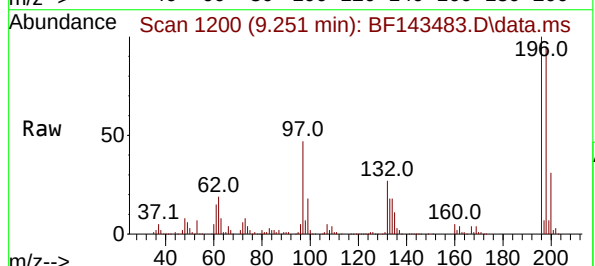
Ion Ratio Lower Upper

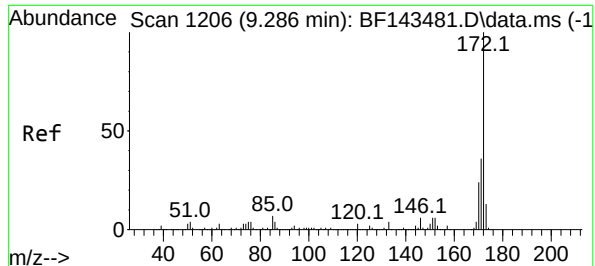
196 100

198 95.3 77.3 115.9

97 46.8 40.0 60.0

132 27.0 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 109.642 ng

RT: 9.286 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

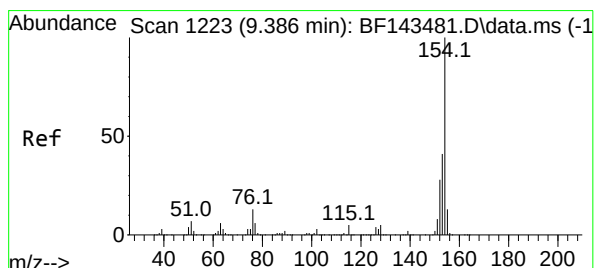
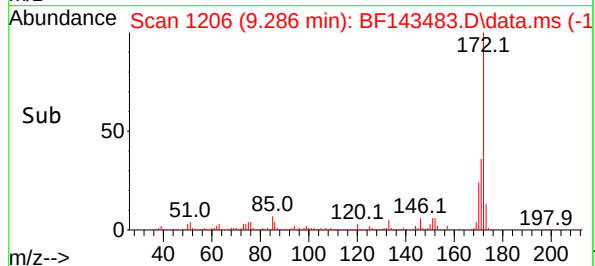
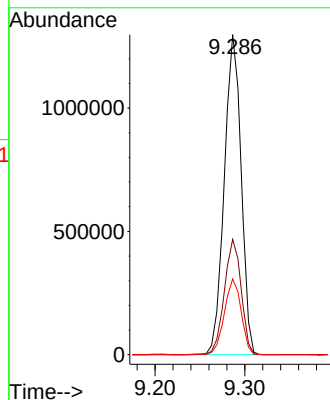
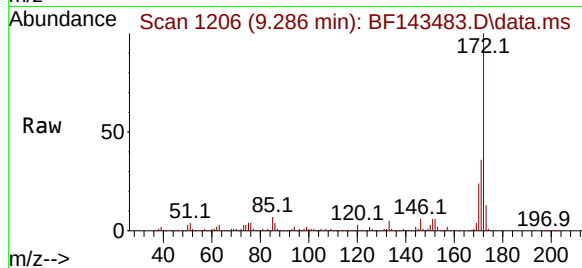
Tgt Ion:172 Resp: 1690255

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.7 18.8 28.2



#46

1,1'-Biphenyl

Concen: 57.031 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

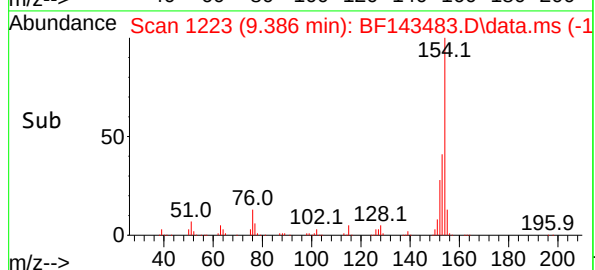
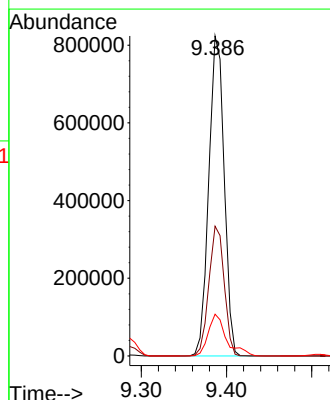
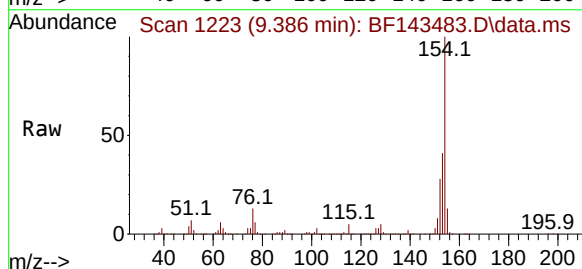
Tgt Ion:154 Resp: 1031320

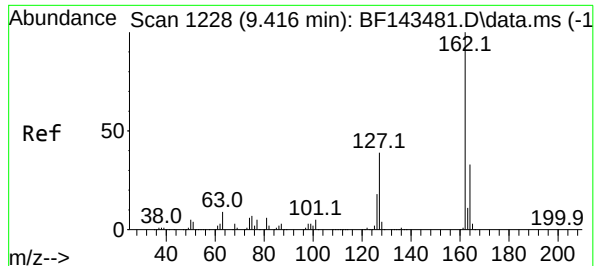
Ion Ratio Lower Upper

154 100

153 40.6 20.6 60.6

76 13.1 0.0 33.0





#47

2-Chloronaphthalene

Concen: 57.544 ng

RT: 9.416 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

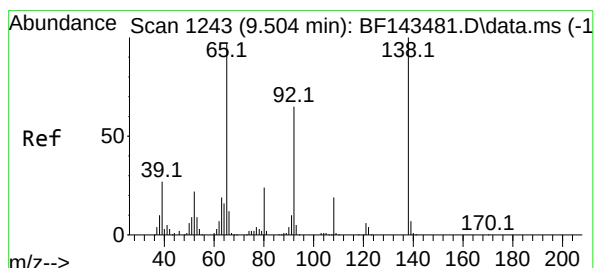
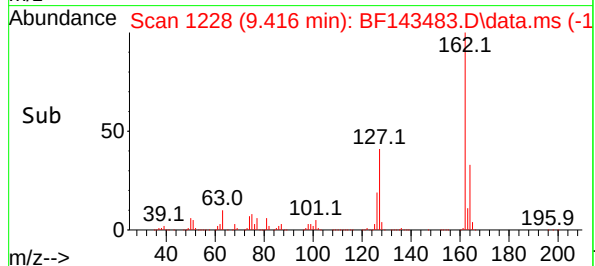
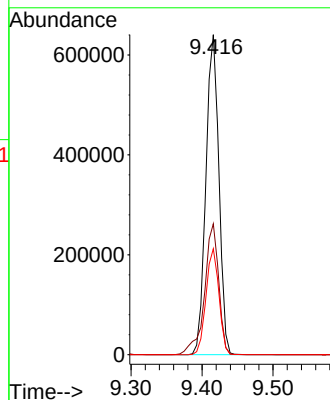
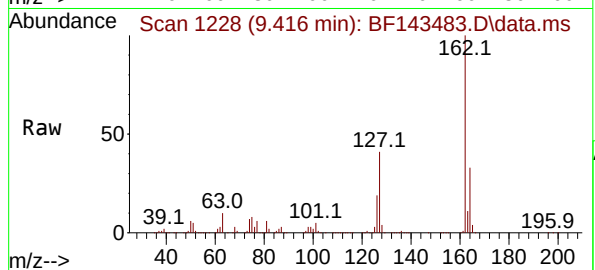
Tgt Ion:162 Resp: 816474

Ion Ratio Lower Upper

162 100

127 40.9 31.8 47.6

164 33.1 26.4 39.6



#48

2-Nitroaniline

Concen: 60.835 ng

RT: 9.510 min Scan# 1244

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

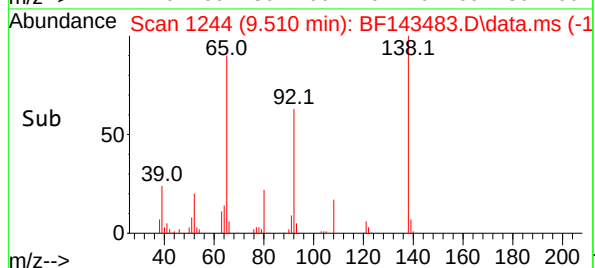
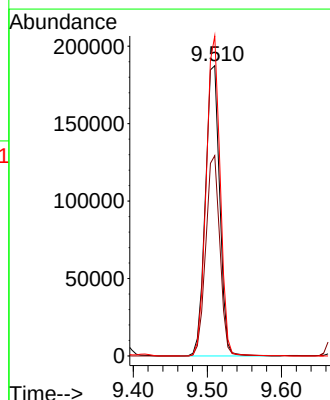
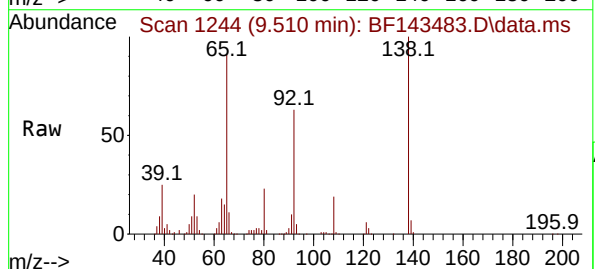
Tgt Ion: 65 Resp: 252618

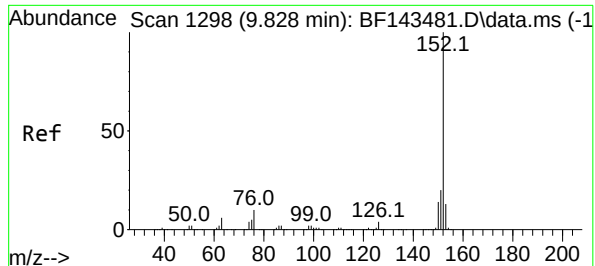
Ion Ratio Lower Upper

65 100

92 69.1 53.8 80.6

138 110.3 82.4 123.6





#49

Acenaphthylene

Concen: 57.687 ng

RT: 9.828 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

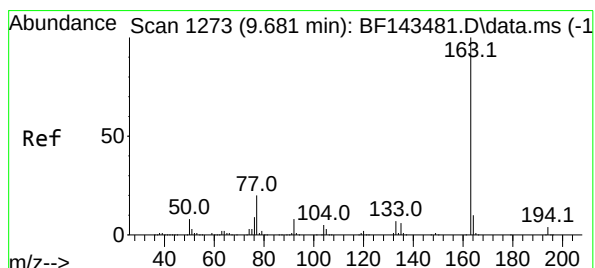
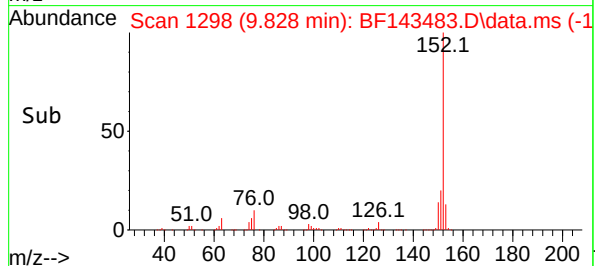
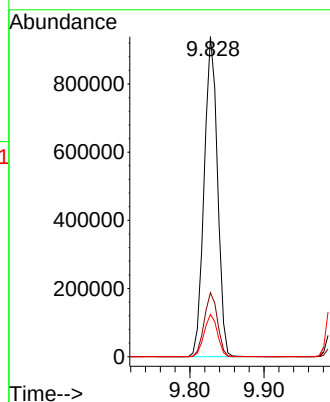
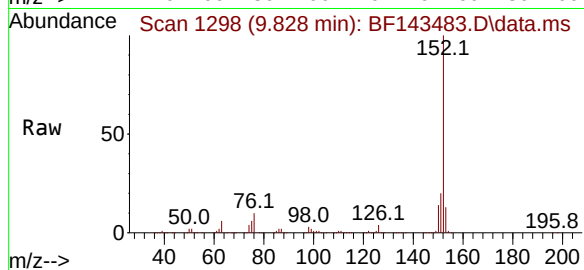
Tgt Ion:152 Resp: 1171986

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 58.546 ng

RT: 9.681 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

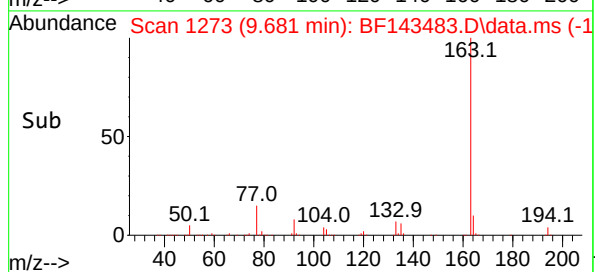
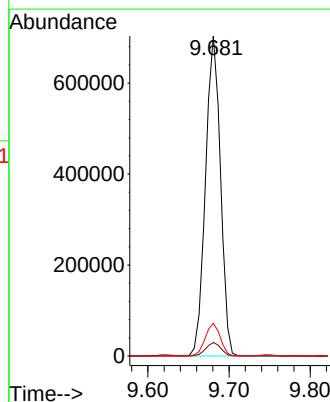
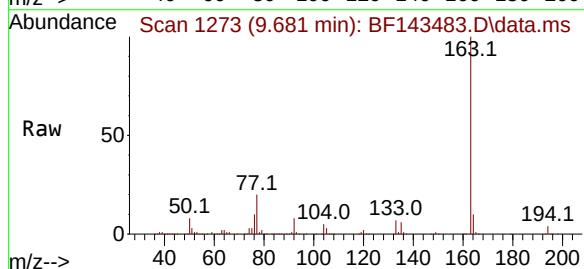
Tgt Ion:163 Resp: 898362

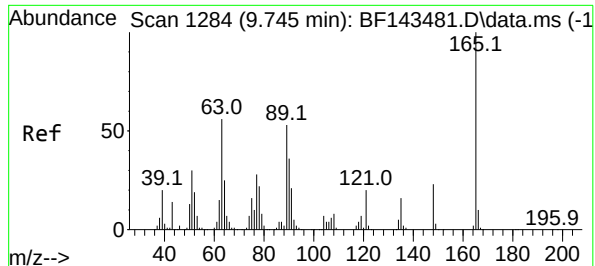
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 61.849 ng

RT: 9.745 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

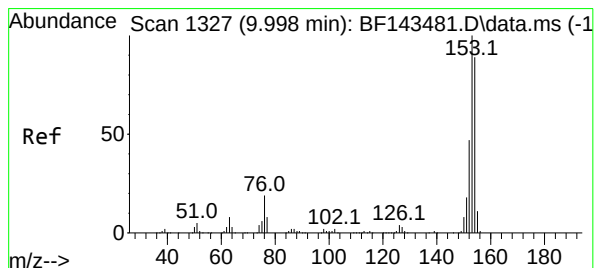
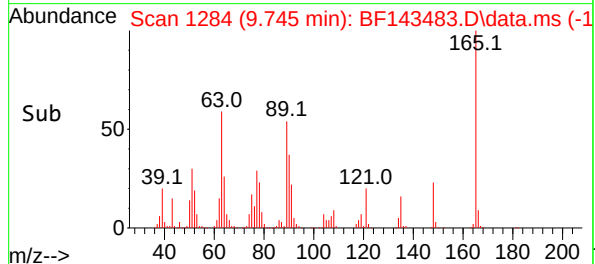
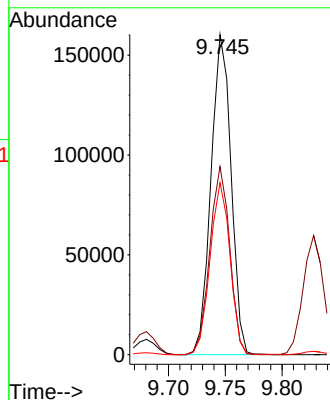
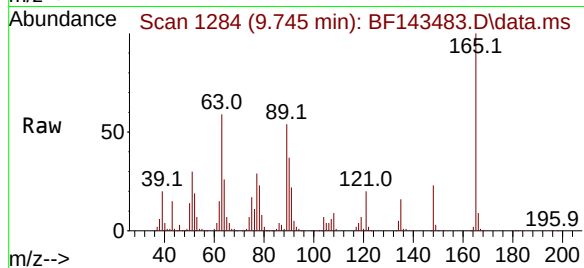
Tgt Ion:165 Resp: 196694

Ion Ratio Lower Upper

165 100

63 58.8 45.0 67.6

89 53.7 42.5 63.7



#52

Acenaphthene

Concen: 57.868 ng

RT: 10.004 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

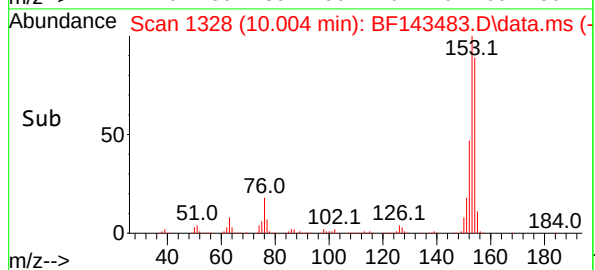
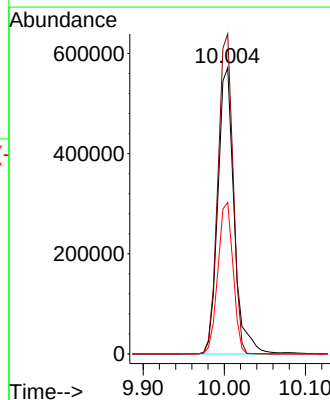
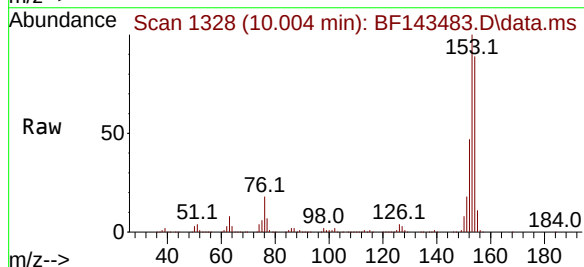
Tgt Ion:154 Resp: 798226

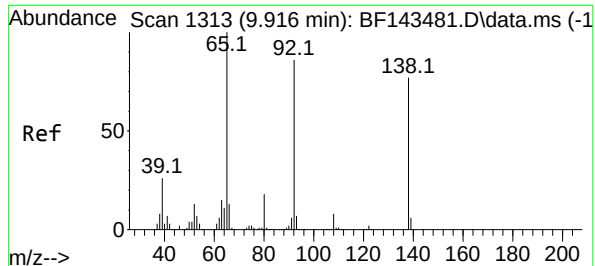
Ion Ratio Lower Upper

154 100

153 111.8 89.5 134.3

152 53.0 42.5 63.7

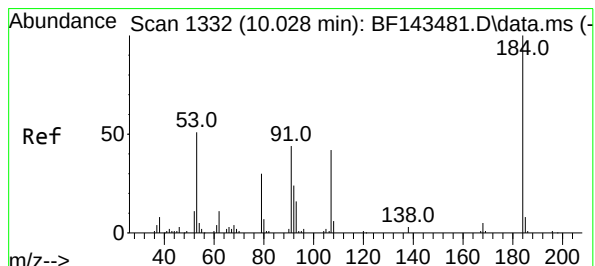
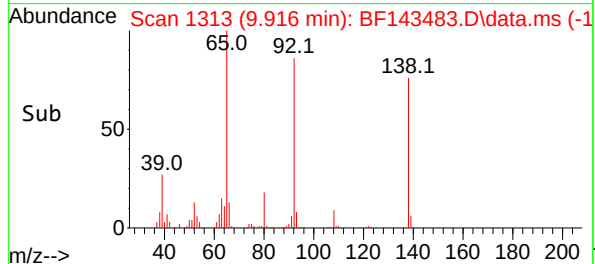
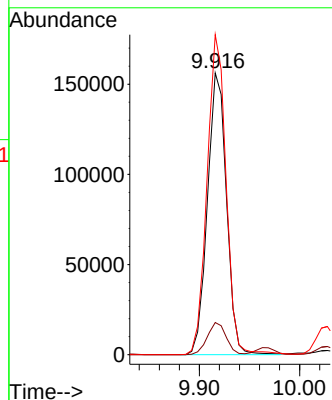
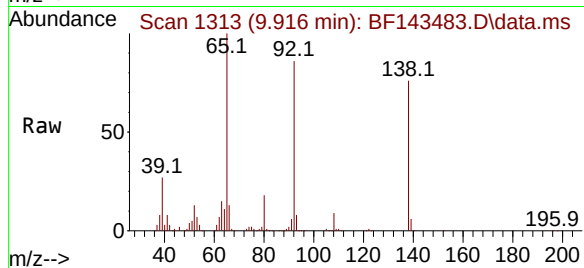




#53
3-Nitroaniline
Concen: 60.257 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

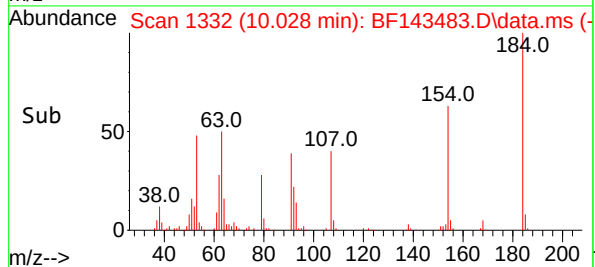
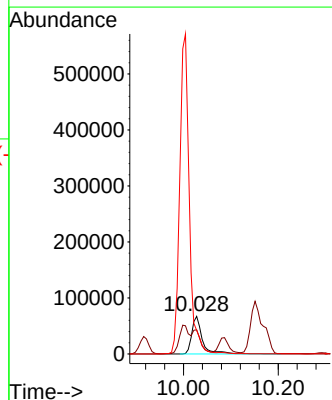
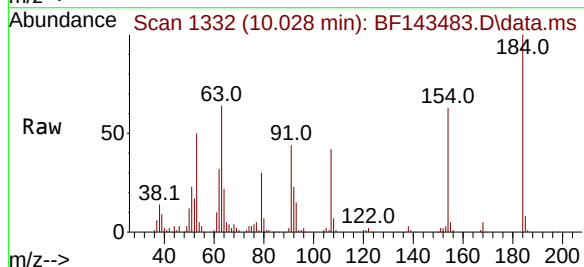
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

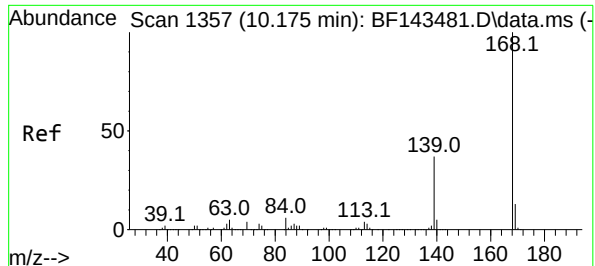
Tgt Ion:138 Resp: 207068
Ion Ratio Lower Upper
138 100
108 11.4 8.6 13.0
92 113.6 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 62.986 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:184 Resp: 105073
Ion Ratio Lower Upper
184 100
63 64.1 52.6 78.8
154 62.6 51.0 76.4





#55

Dibenzenofuran

Concen: 56.463 ng

RT: 10.175 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

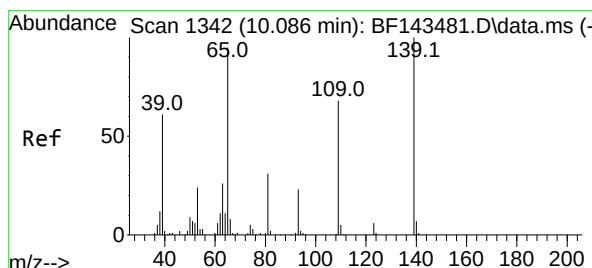
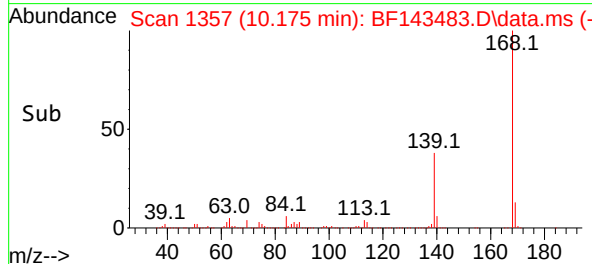
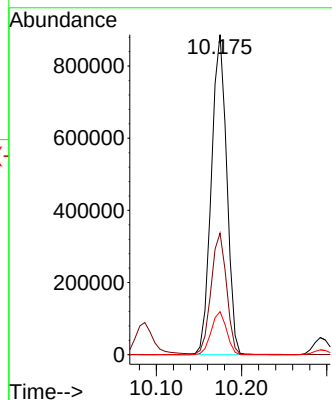
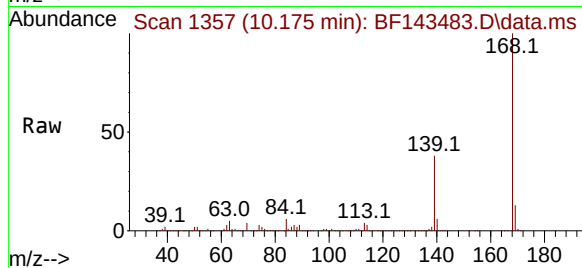
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 1110414

Ion	Ratio	Lower	Upper
168	100		
139	38.0	29.8	44.6
169	13.4	10.8	16.2



#56

4-Nitrophenol

Concen: 64.242 ng

RT: 10.086 min Scan# 1342

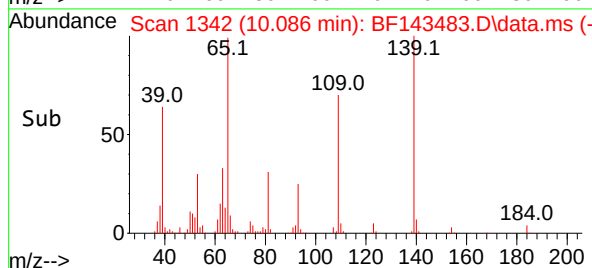
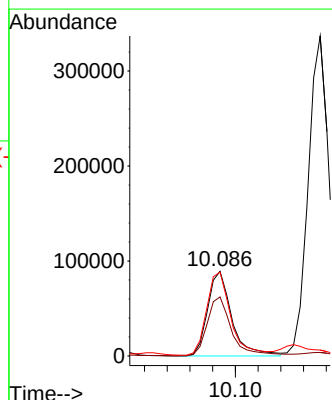
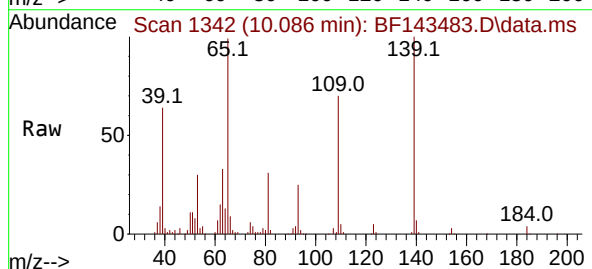
Delta R.T. 0.000 min

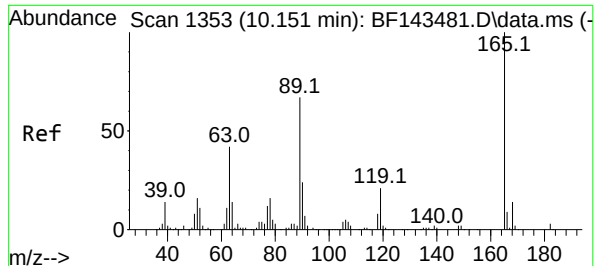
Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Tgt Ion:139 Resp: 131356

Ion	Ratio	Lower	Upper
139	100		
109	69.7	48.2	88.2
65	99.0	75.8	115.8

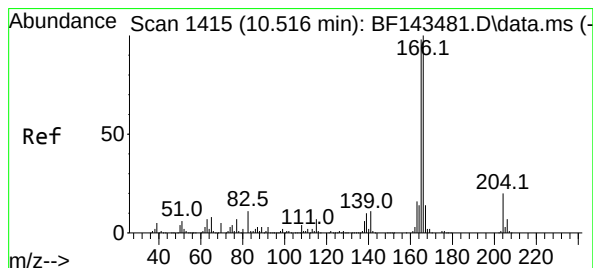
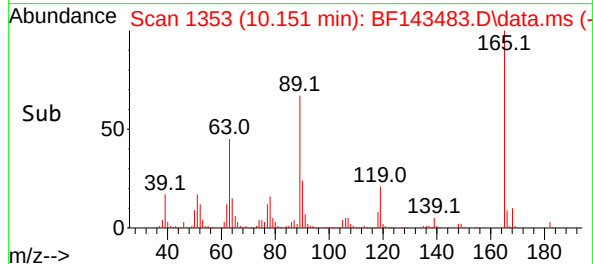
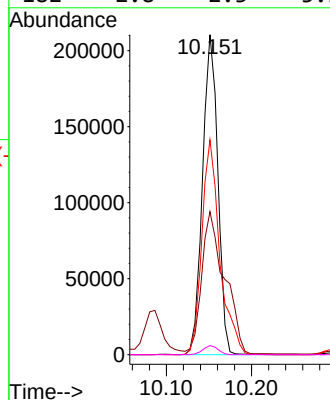
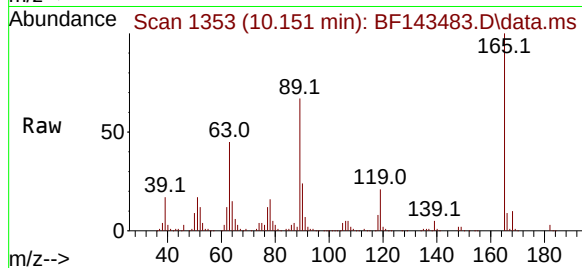




#57
2,4-Dinitrotoluene
Concen: 61.935 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

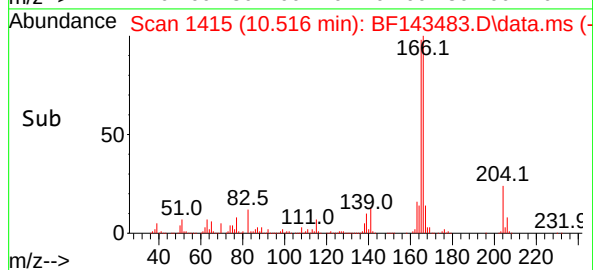
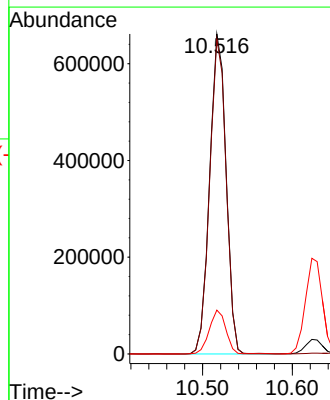
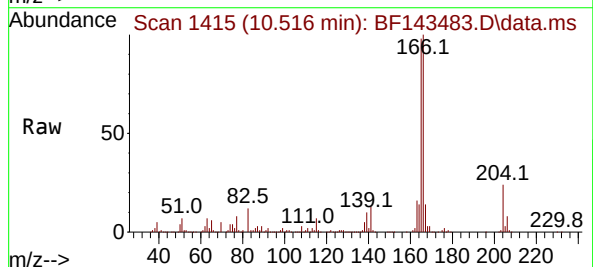
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

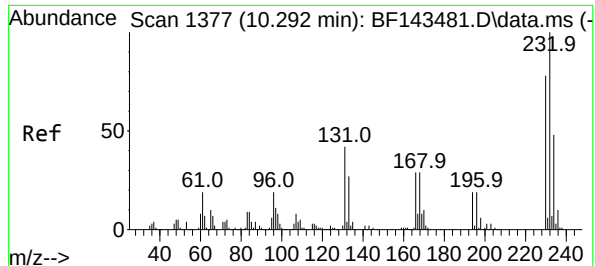
Tgt Ion:165 Resp: 263001
Ion Ratio Lower Upper
165 100
63 44.7 34.9 52.3
89 67.1 53.3 79.9
182 2.8 2.3 3.5



#58
Fluorene
Concen: 55.641 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:166 Resp: 842185
Ion Ratio Lower Upper
166 100
165 98.4 78.3 117.5
167 13.7 11.0 16.4

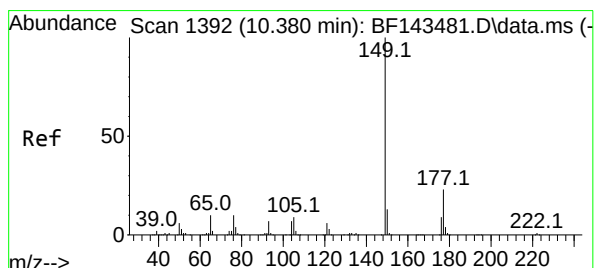
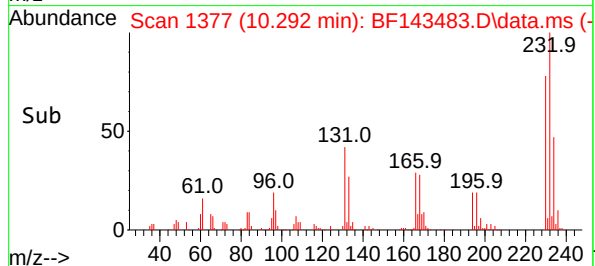
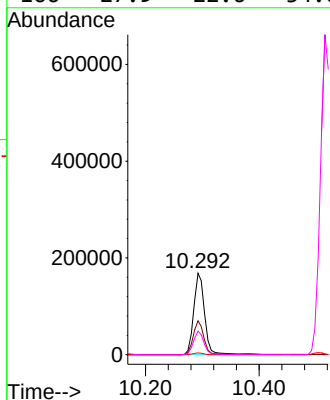
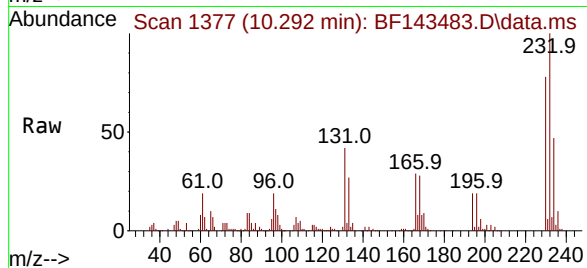




#59
2,3,4,6-Tetrachlorophenol
Concen: 62.306 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

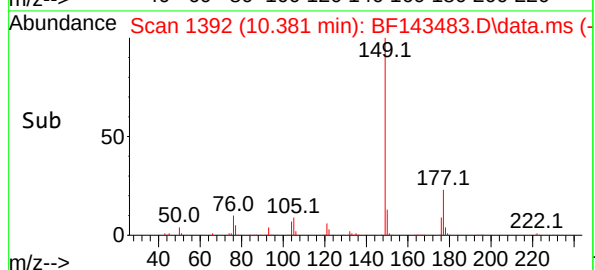
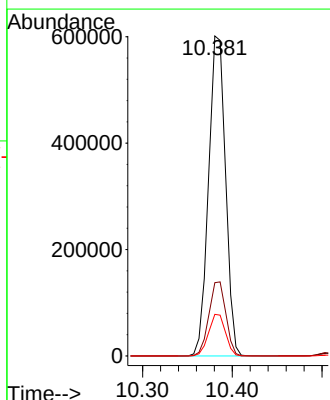
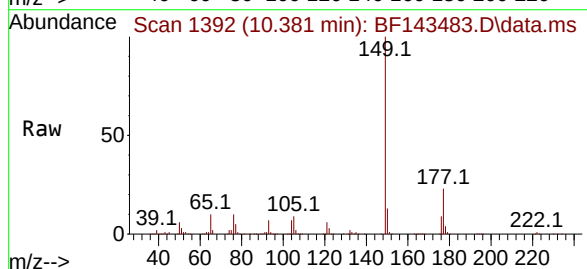
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

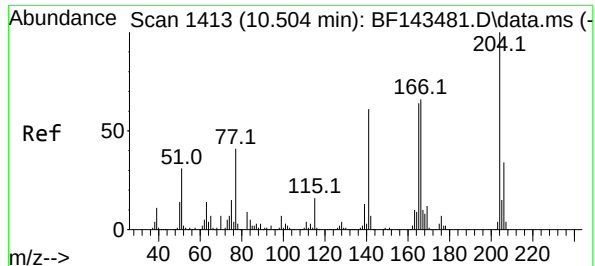
Tgt Ion:232 Resp: 226735
Ion Ratio Lower Upper
232 100
131 40.1 32.7 49.1
130 2.0 1.6 2.4
166 27.9 22.6 34.0



#60
Diethylphthalate
Concen: 57.538 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:149 Resp: 791582
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 13.0 10.3 15.5

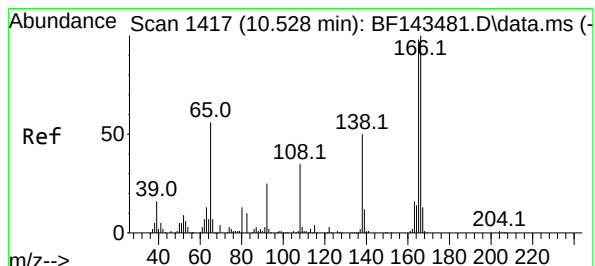
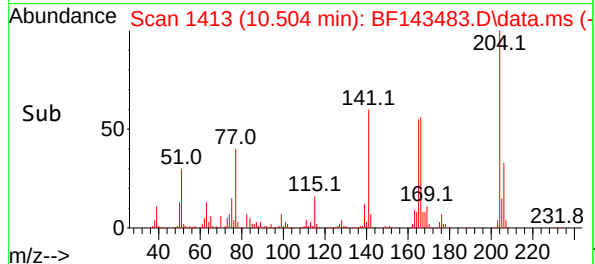
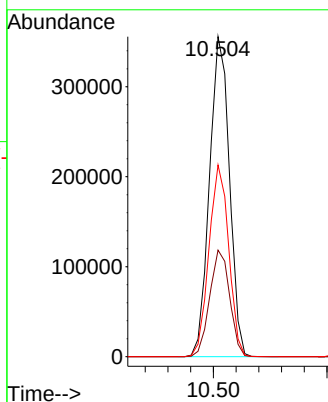
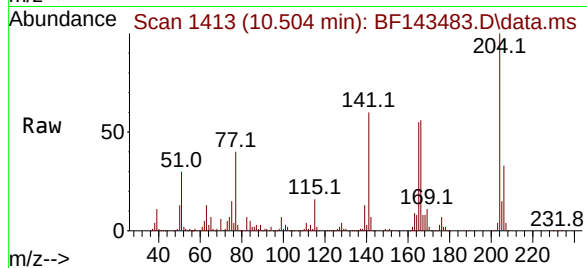




#61
4-Chlorophenyl-phenylether
Concen: 57.247 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

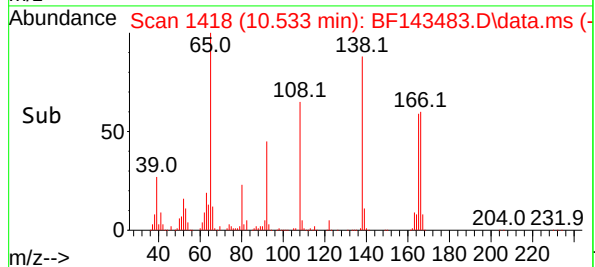
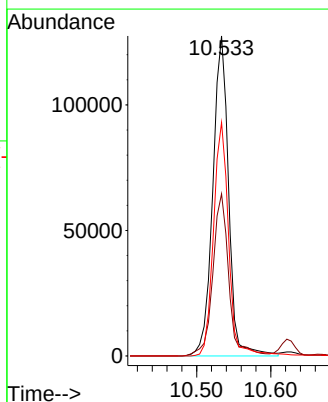
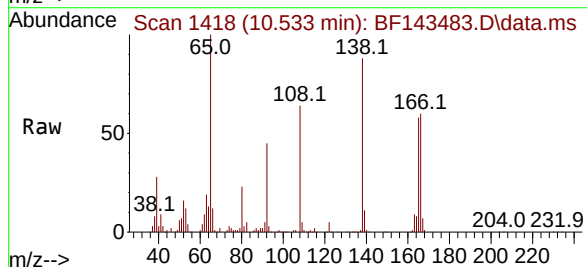
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

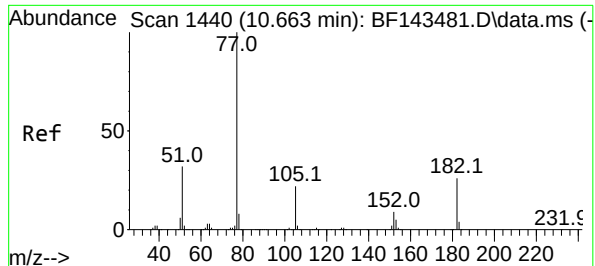
Tgt Ion:204 Resp: 433351
Ion Ratio Lower Upper
204 100
206 33.3 27.0 40.4
141 59.9 48.7 73.1



#62
4-Nitroaniline
Concen: 60.015 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:138 Resp: 189435
Ion Ratio Lower Upper
138 100
92 50.6 29.3 69.3
108 73.0 50.7 90.7

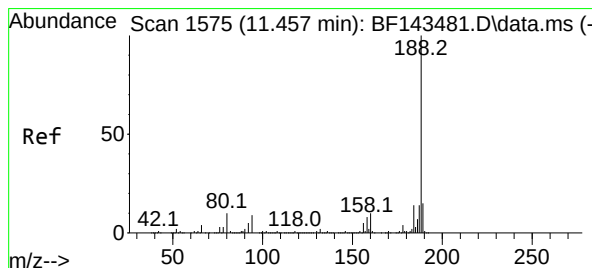
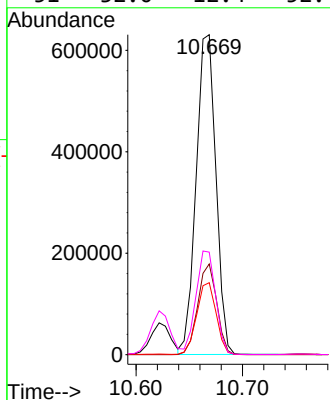
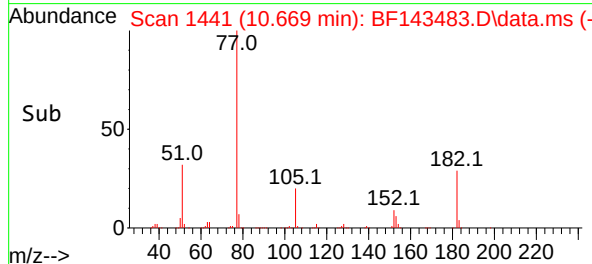
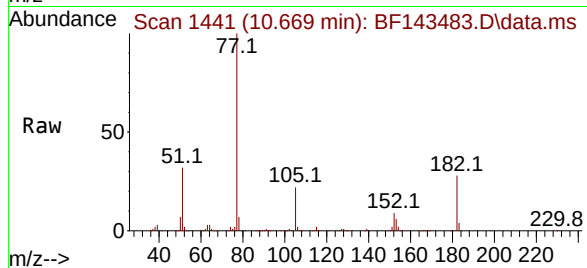




#63
Azobenzene
Concen: 57.158 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

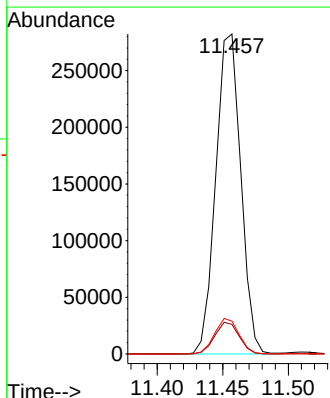
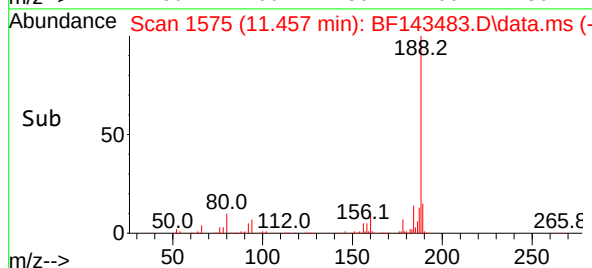
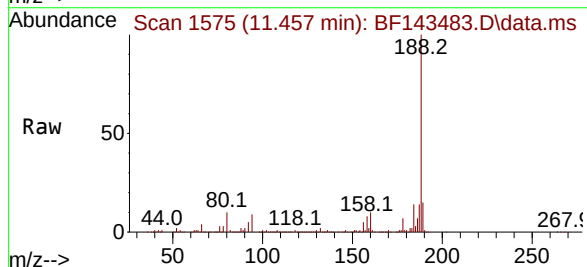
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

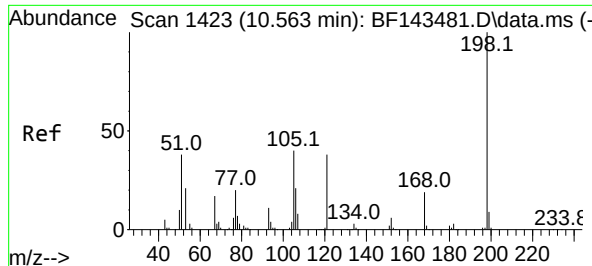
Tgt Ion: 77 Resp: 815353
Ion Ratio Lower Upper
77 100
182 28.4 6.2 46.2
105 22.5 2.2 42.2
51 32.0 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 188 Resp: 374631
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 10.2 8.2 12.4

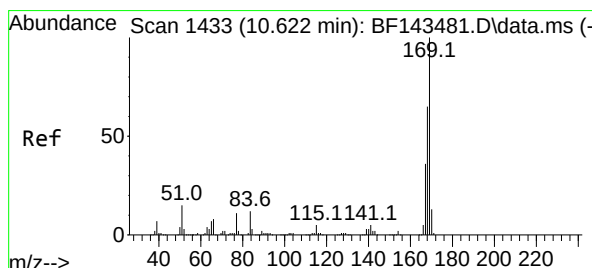
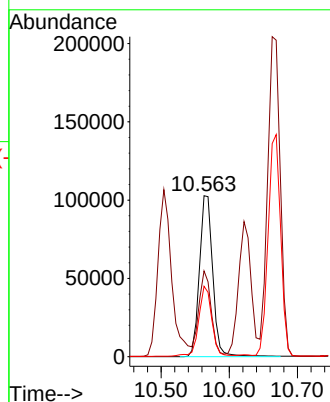
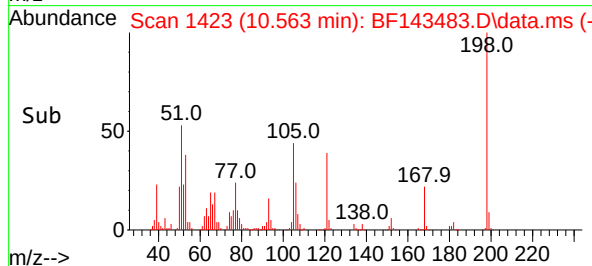
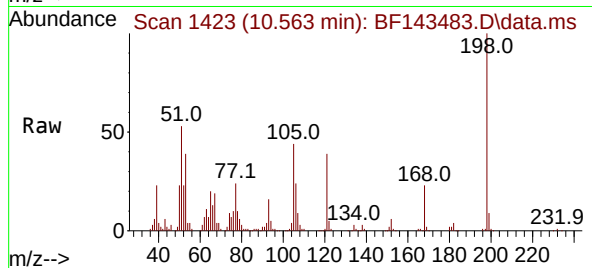




#65
4,6-Dinitro-2-methylphenol
Concen: 66.197 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

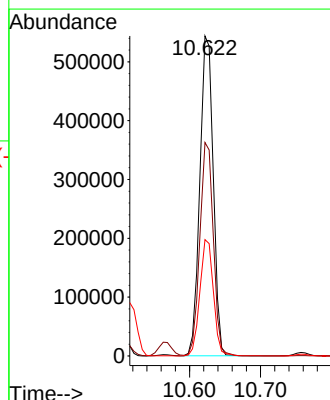
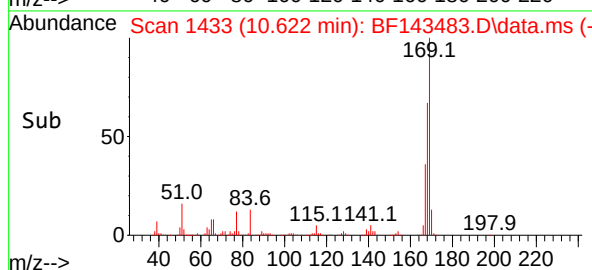
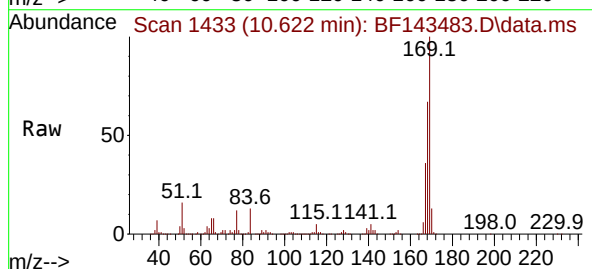
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

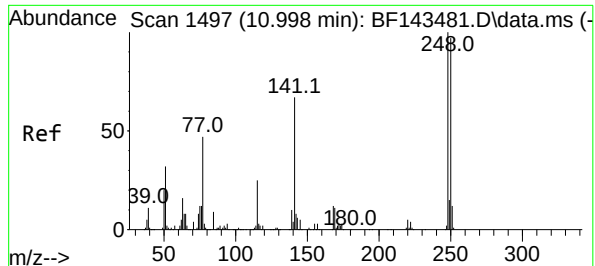
Tgt Ion:198 Resp: 139830
Ion Ratio Lower Upper
198 100
51 53.3 29.6 69.6
105 43.7 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 59.270 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:169 Resp: 714577
Ion Ratio Lower Upper
169 100
168 66.7 52.4 78.6
167 36.4 28.9 43.3

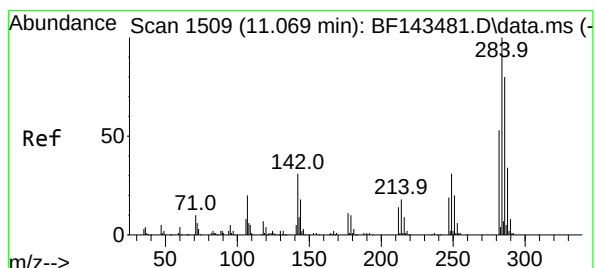
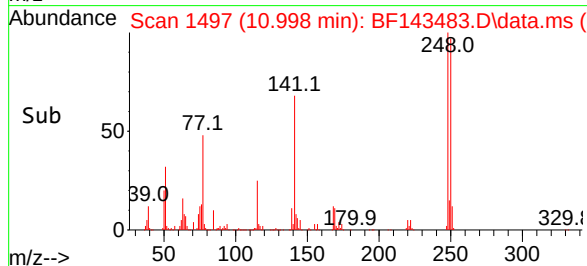
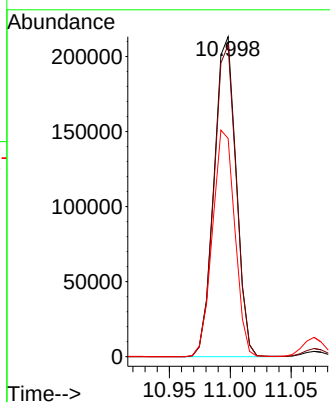
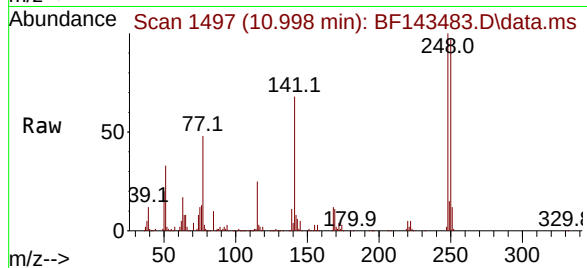




#67
4-Bromophenyl-phenylether
Concen: 60.454 ng
RT: 10.998 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

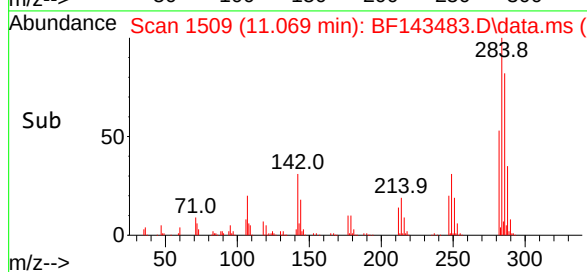
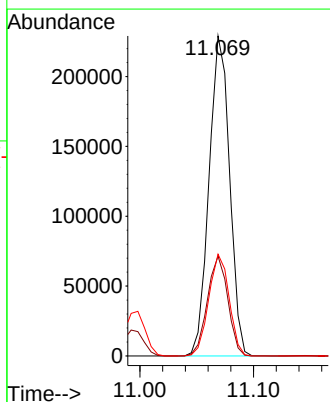
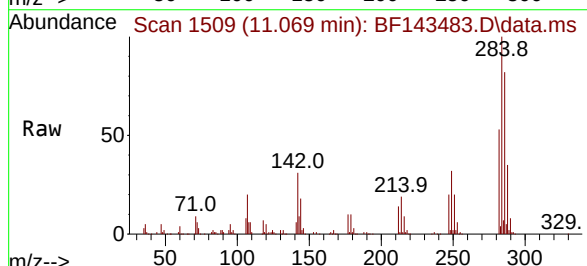
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

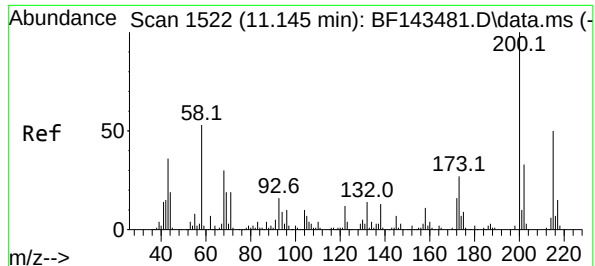
Tgt Ion:248 Resp: 270225
Ion Ratio Lower Upper
248 100
250 97.4 77.8 116.8
141 68.2 54.0 81.0



#68
Hexachlorobenzene
Concen: 59.797 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:284 Resp: 288119
Ion Ratio Lower Upper
284 100
142 31.2 24.4 36.6
249 31.8 25.0 37.6





#69

Atrazine

Concen: 62.765 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

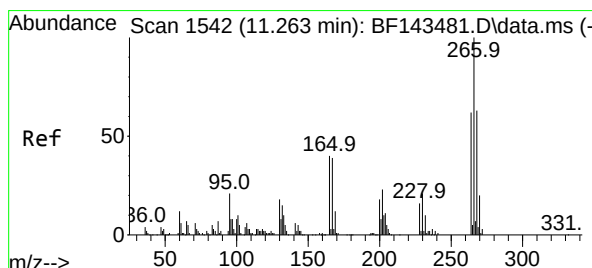
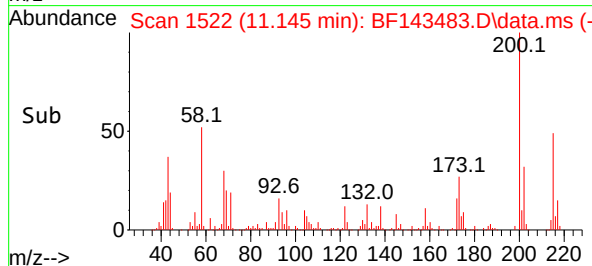
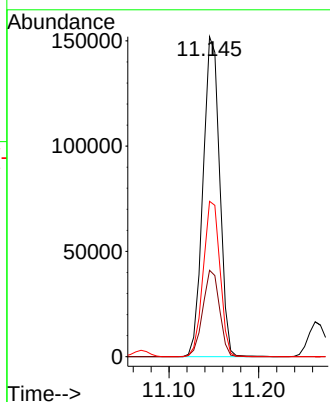
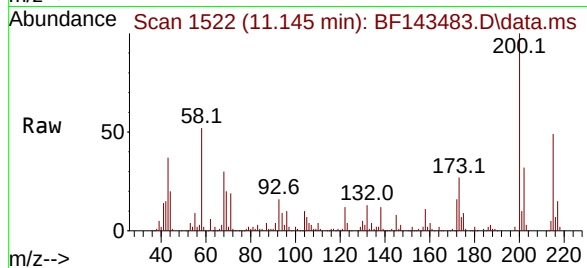
Tgt Ion:200 Resp: 195334

Ion Ratio Lower Upper

200 100

173 27.0 6.9 46.9

215 48.5 30.0 70.0



#70

Pentachlorophenol

Concen: 66.597 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

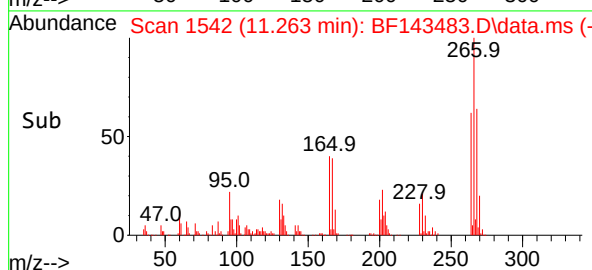
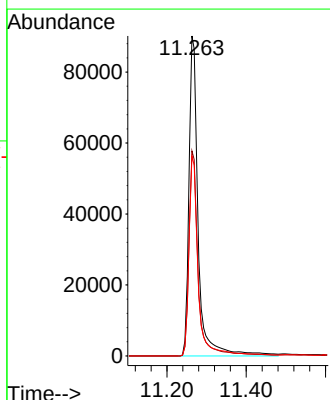
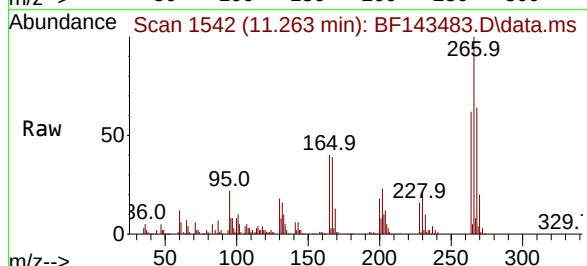
Tgt Ion:266 Resp: 146959

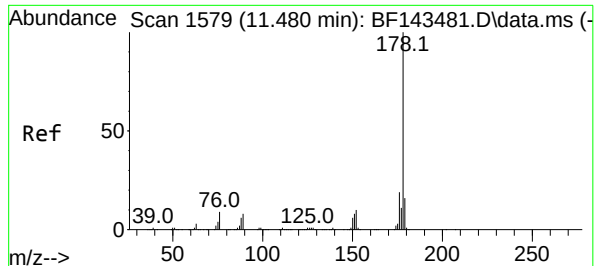
Ion Ratio Lower Upper

266 100

268 64.0 50.5 75.7

264 62.5 49.8 74.8

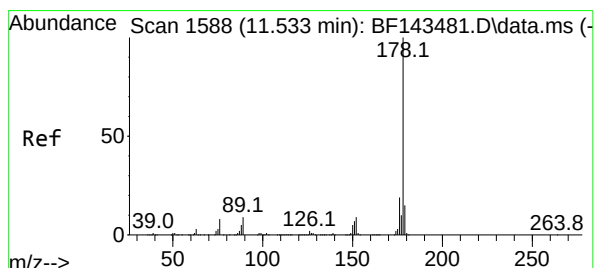
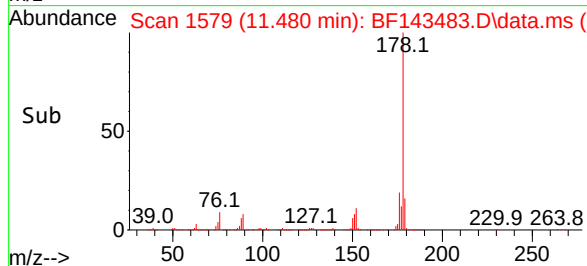
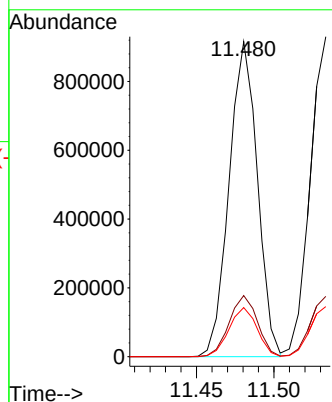
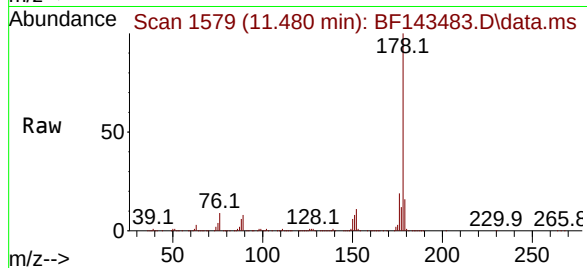




#71
Phenanthrene
Concen: 57.863 ng
RT: 11.480 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

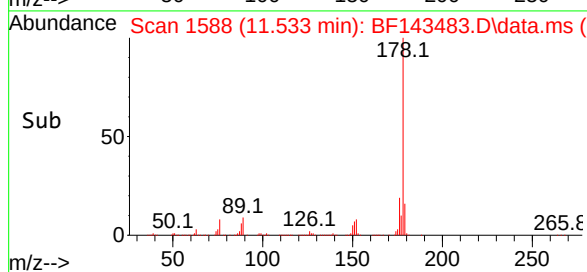
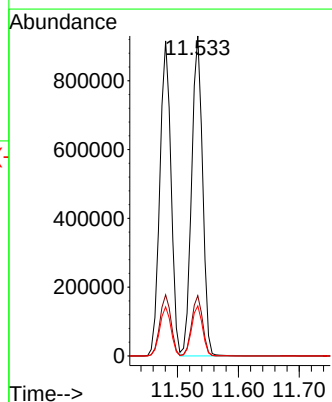
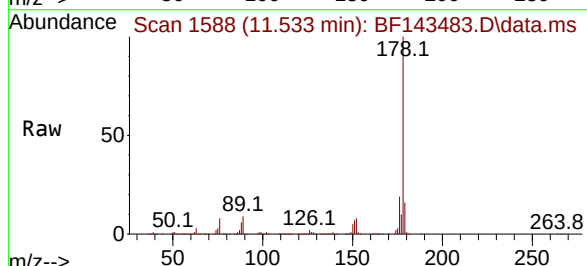
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

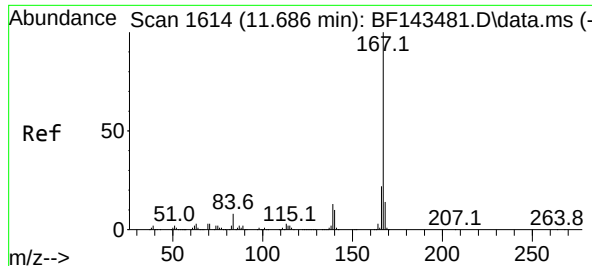
Tgt Ion:178 Resp: 1160860
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.5 18.7



#72
Anthracene
Concen: 57.295 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:178 Resp: 1164449
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.7 12.3 18.5

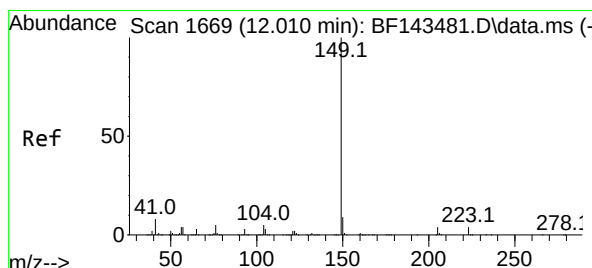
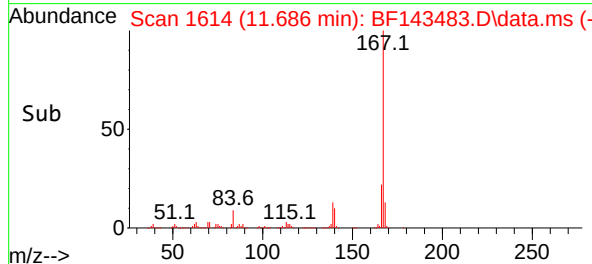
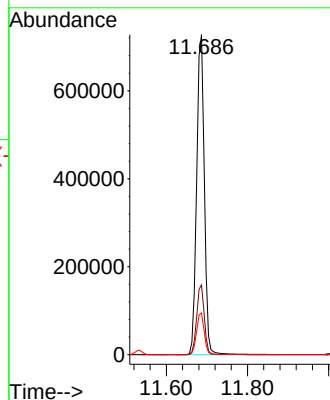
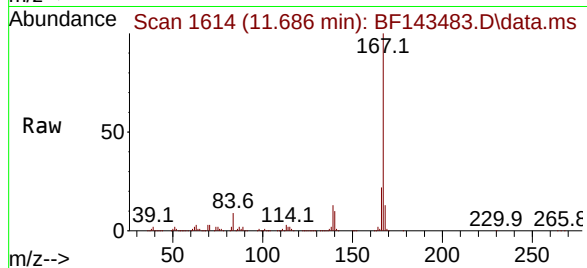




#73
Carbazole
Concen: 58.105 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

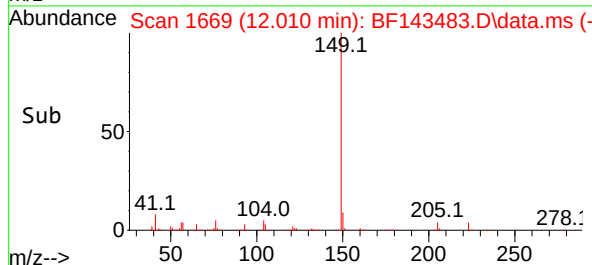
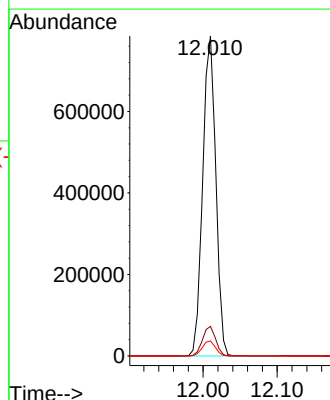
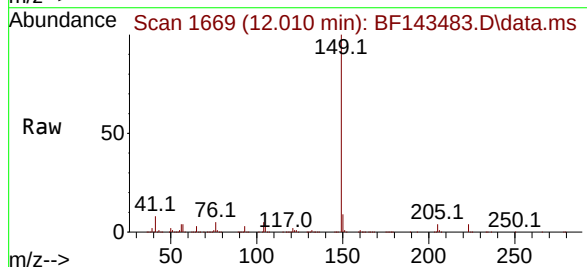
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

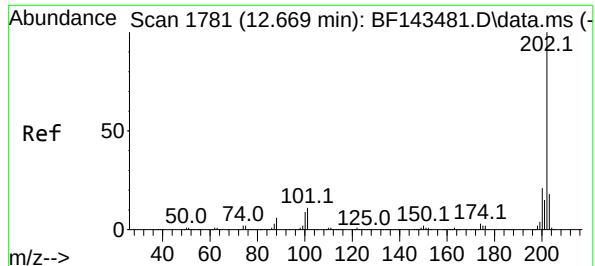
Tgt Ion:167 Resp: 967633
Ion Ratio Lower Upper
167 100
166 21.8 17.3 25.9
139 13.0 10.0 15.0



#74
Di-n-butylphthalate
Concen: 62.003 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:149 Resp: 963249
Ion Ratio Lower Upper
149 100
150 9.2 7.2 10.8
104 4.7 3.6 5.4

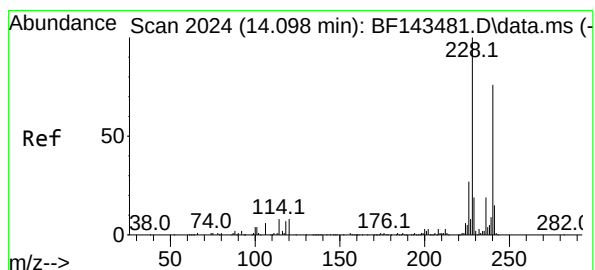
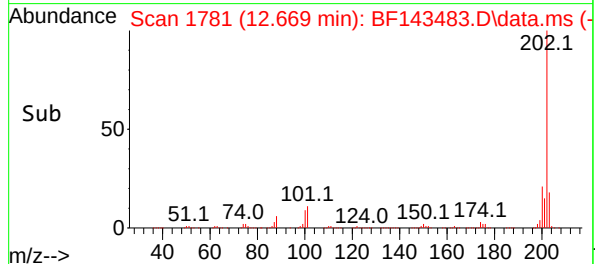
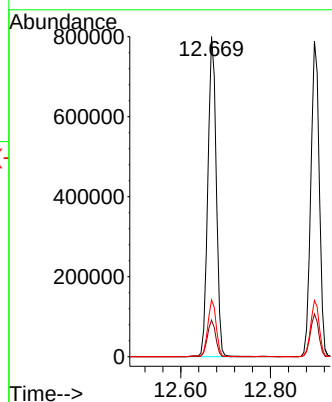
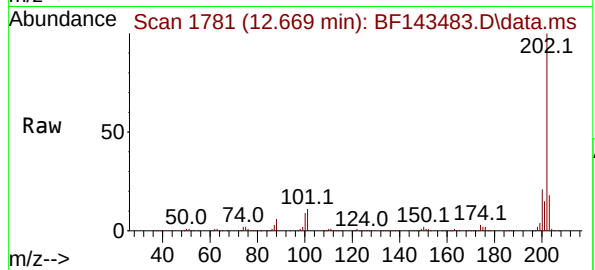




#75
Fluoranthene
Concen: 57.619 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

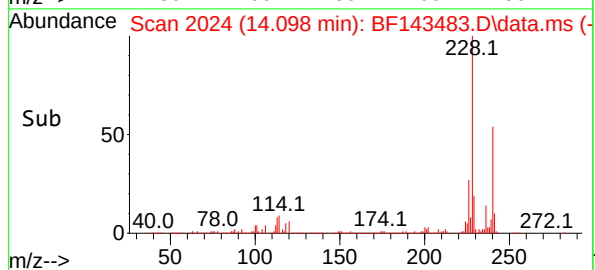
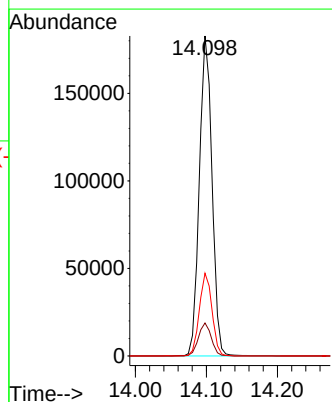
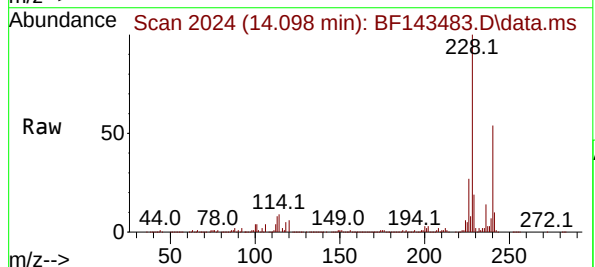
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

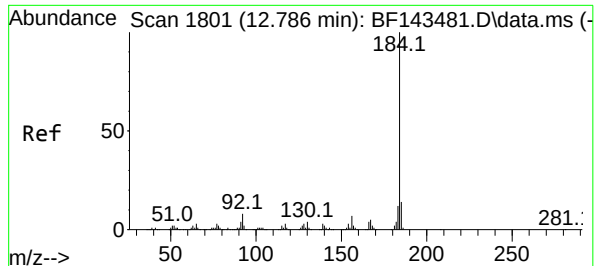
Tgt Ion:202 Resp: 1037239
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.3
203 17.7 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:240 Resp: 227355
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 25.8 20.4 30.6





#77

Benzidine

Concen: 45.316 ng

RT: 12.786 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

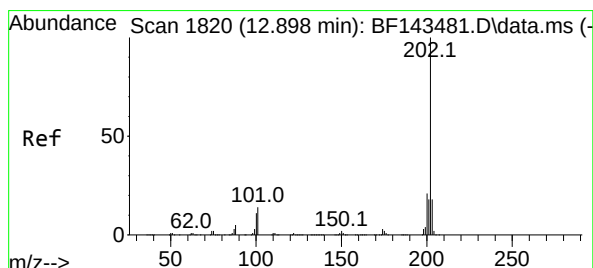
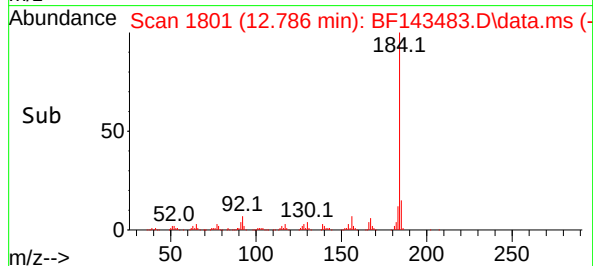
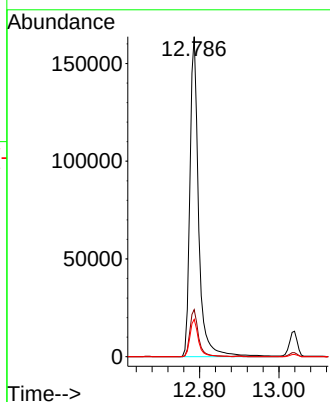
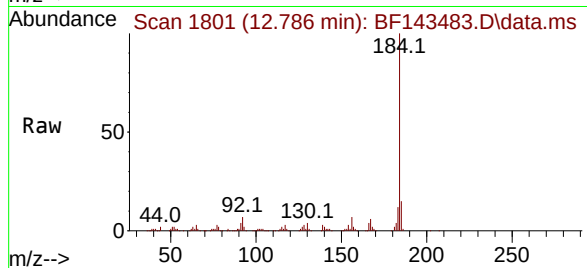
Tgt Ion:184 Resp: 250962

Ion Ratio Lower Upper

184 100

185 14.7 11.3 16.9

183 11.6 9.5 14.3



#78

Pyrene

Concen: 55.127 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

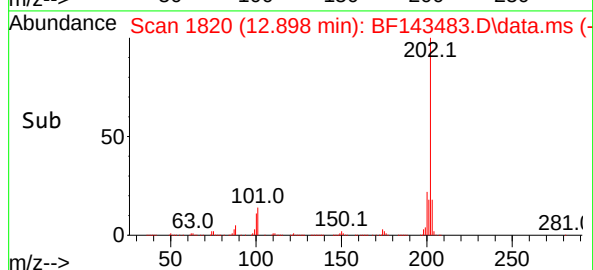
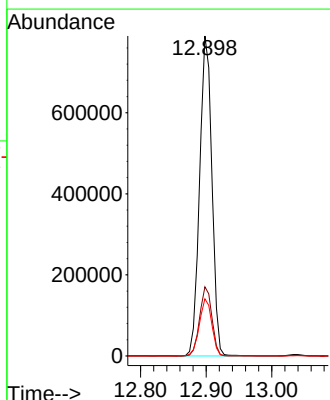
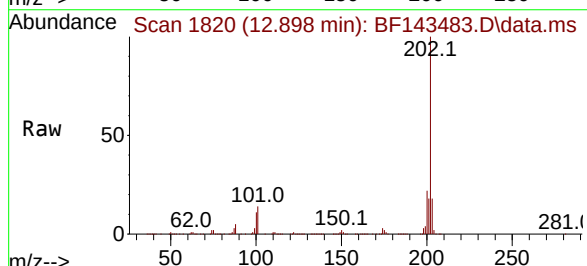
Tgt Ion:202 Resp: 1030970

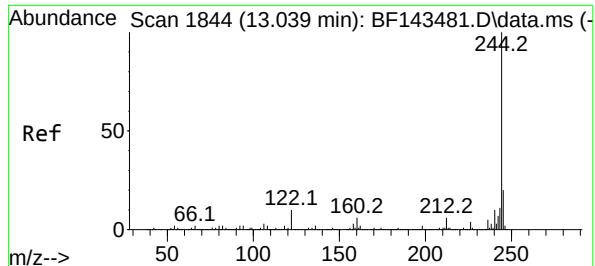
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 110.129 ng

RT: 13.039 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

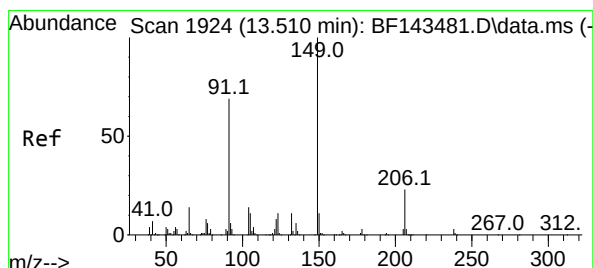
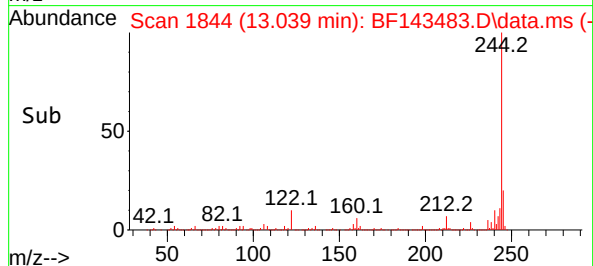
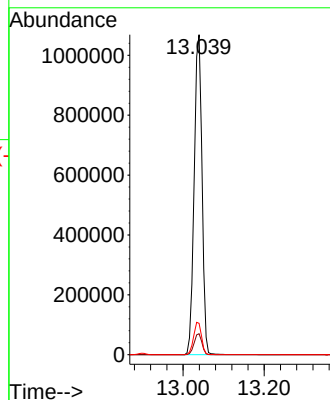
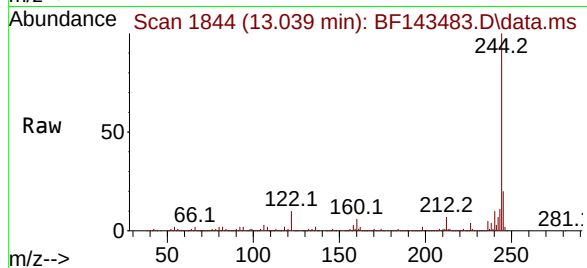
Tgt Ion:244 Resp: 1434829

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 9.8 7.9 11.9



#80

Butylbenzylphthalate

Concen: 68.017 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

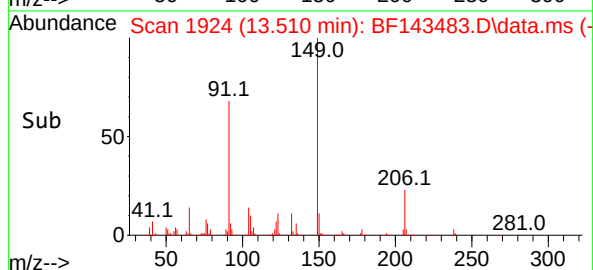
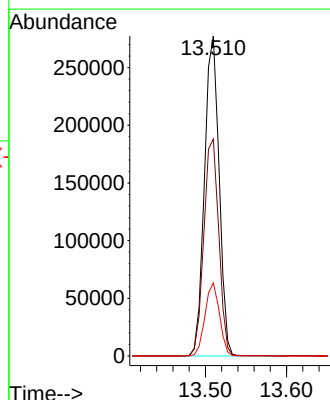
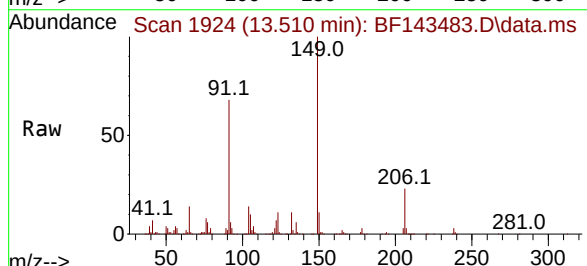
Tgt Ion:149 Resp: 347496

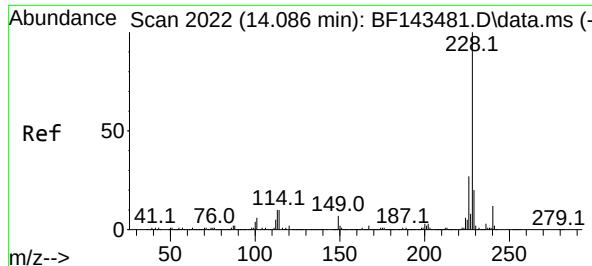
Ion Ratio Lower Upper

149 100

91 67.8 55.3 82.9

206 22.8 18.2 27.4

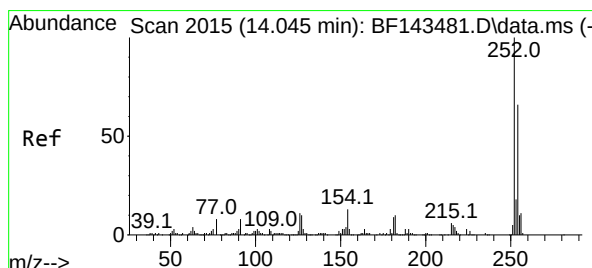
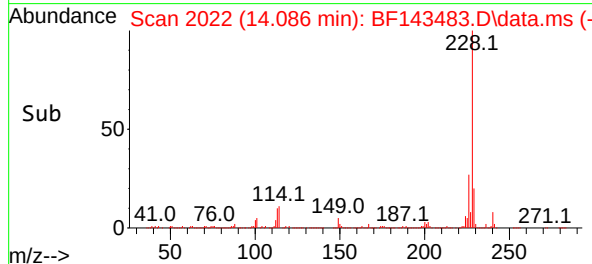
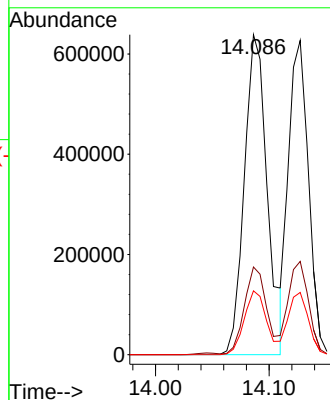
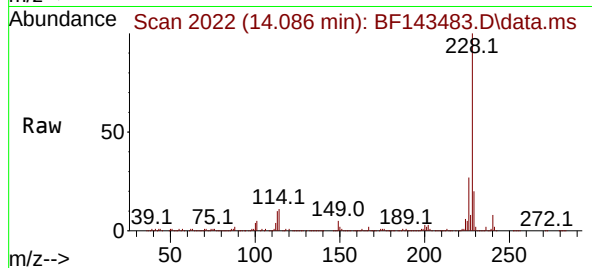




#81
Benzo(a)anthracene
Concen: 61.318 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

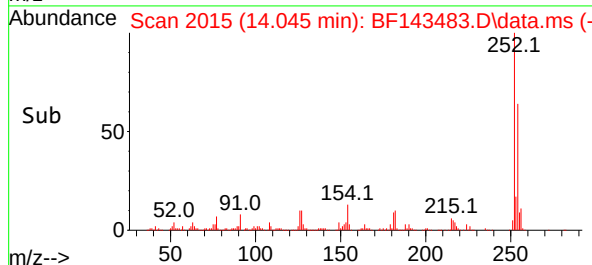
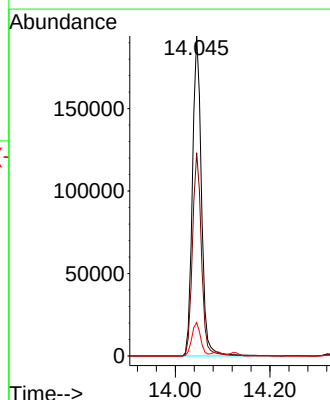
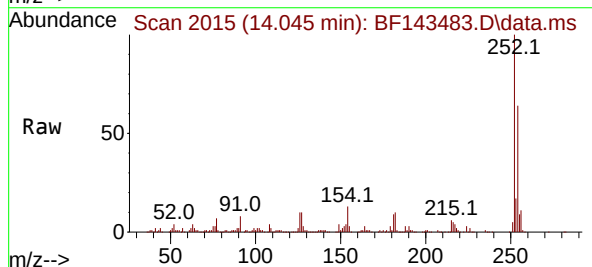
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

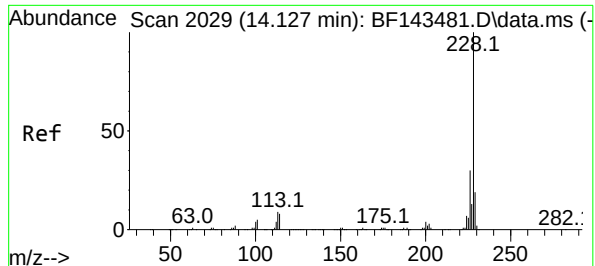
Tgt Ion:228 Resp: 897535
Ion Ratio Lower Upper
228 100
226 27.4 21.7 32.5
229 20.0 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 61.324 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:252 Resp: 257059
Ion Ratio Lower Upper
252 100
254 63.5 52.6 79.0
126 10.4 8.7 13.1





#83

Chrysene

Concen: 58.342 ng

RT: 14.127 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

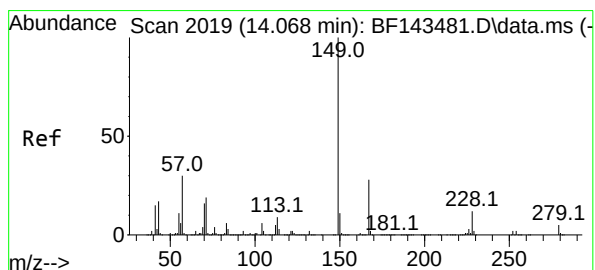
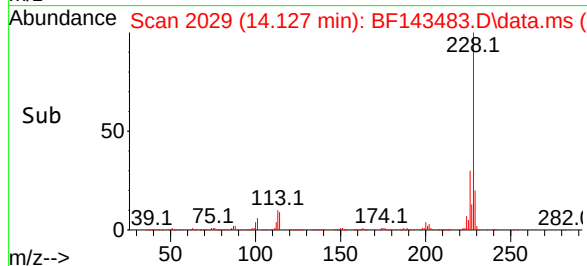
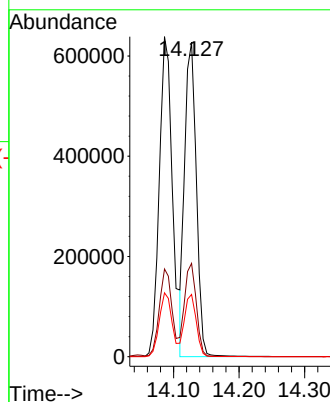
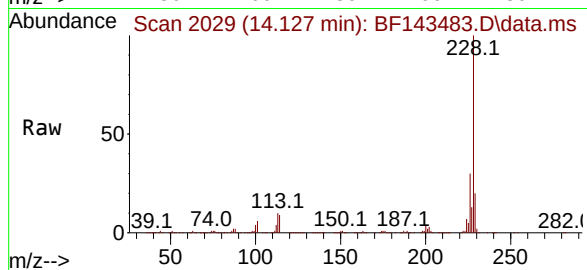
Tgt Ion:228 Resp: 767443

Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 67.227 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

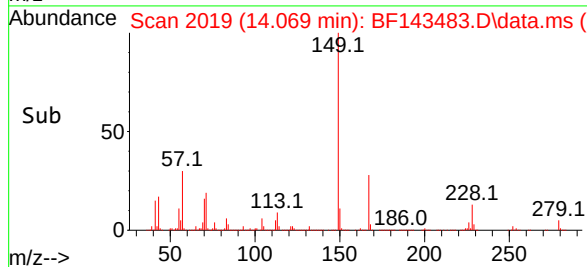
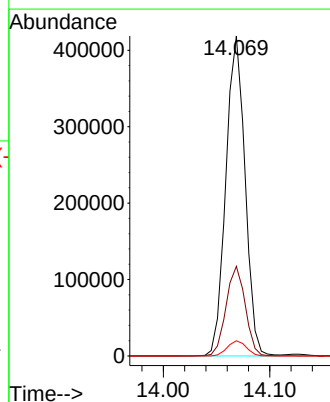
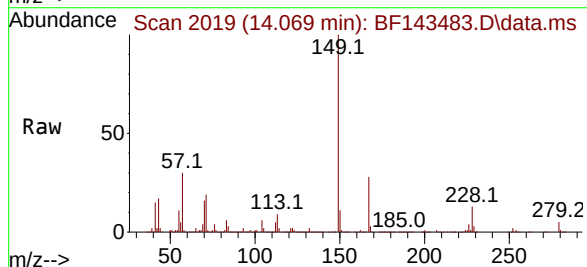
Tgt Ion:149 Resp: 523115

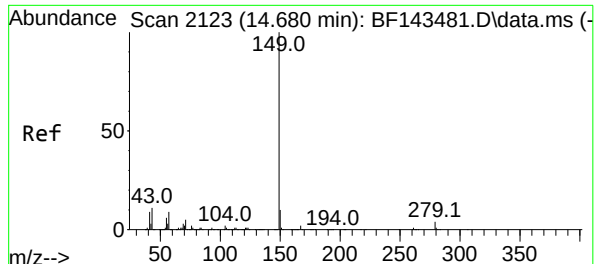
Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.2

279 4.7 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 66.864 ng

RT: 14.680 min Scan# 2123

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

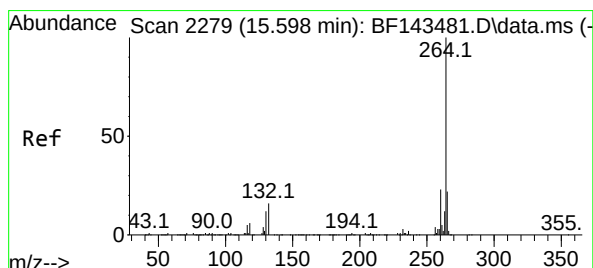
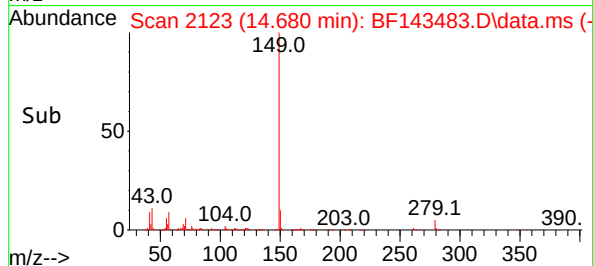
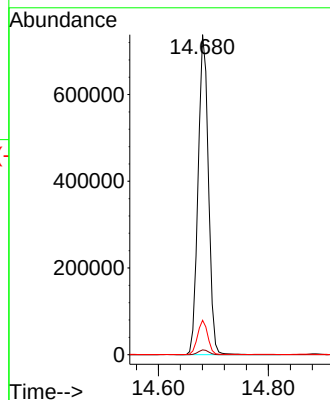
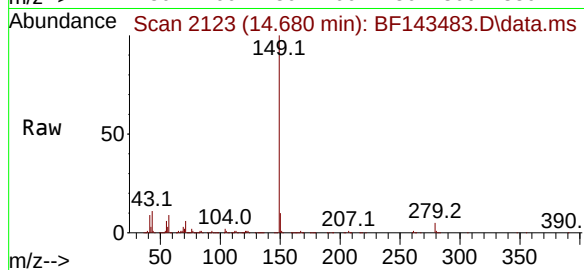
Tgt Ion:149 Resp: 963857

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.5 8.5 12.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

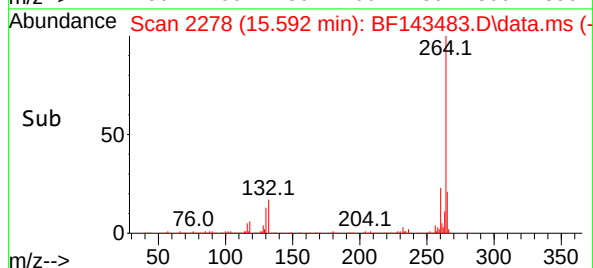
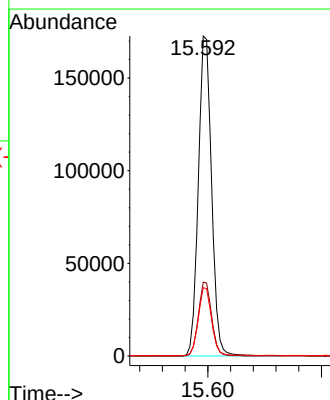
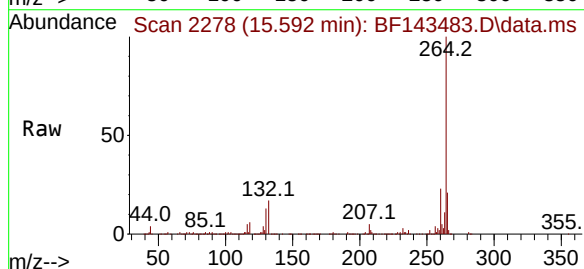
Tgt Ion:264 Resp: 280304

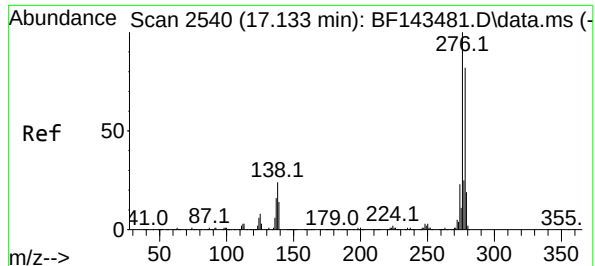
Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.4 17.6 26.4

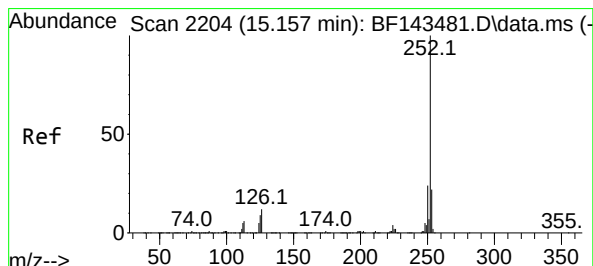
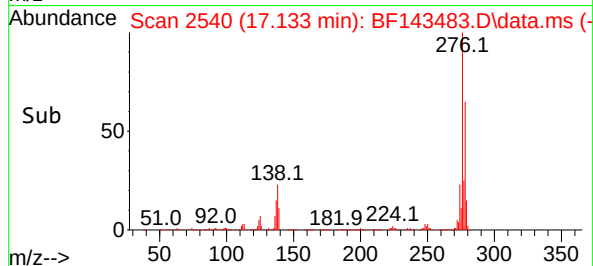
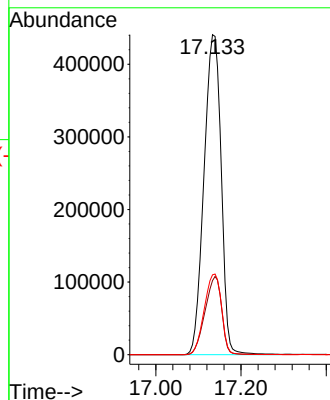
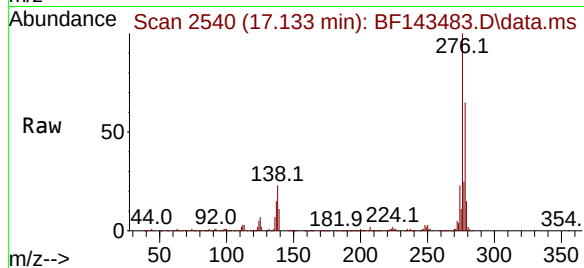




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.208 ng
RT: 17.133 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

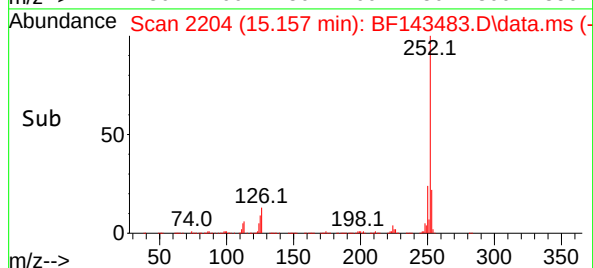
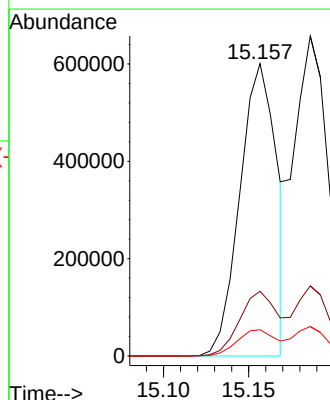
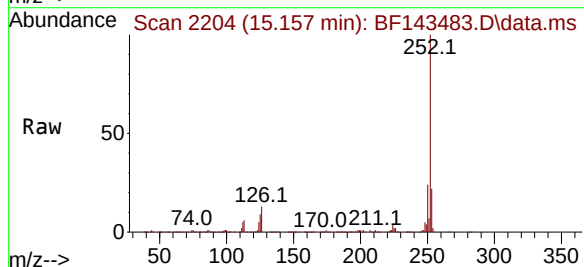
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

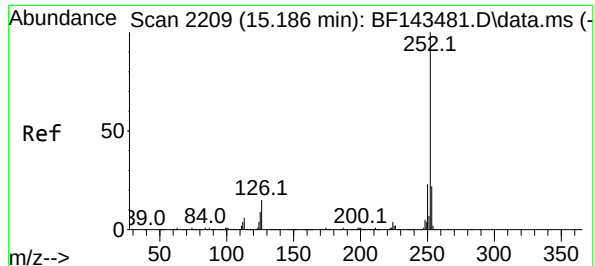
Tgt Ion:276 Resp: 1232879
Ion Ratio Lower Upper
276 100
138 23.7 19.2 28.8
277 25.4 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 57.622 ng
RT: 15.157 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:252 Resp: 897808
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 9.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 62.250 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

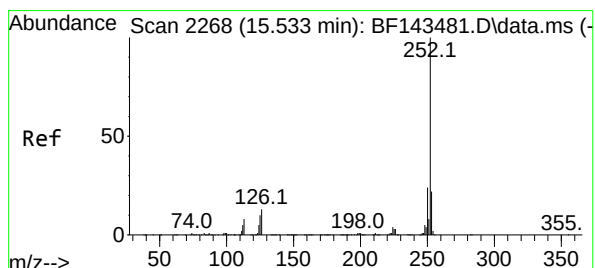
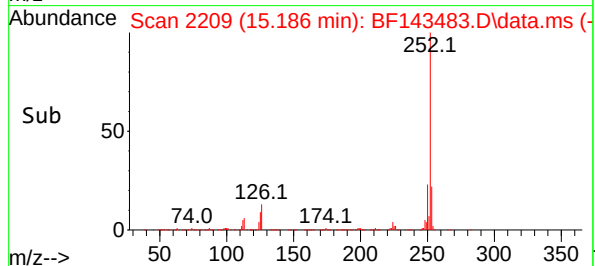
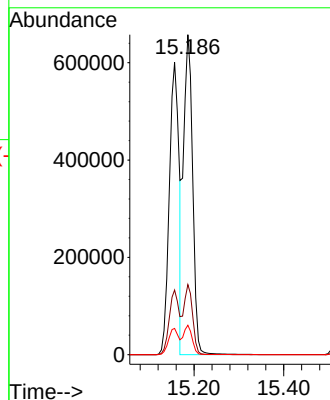
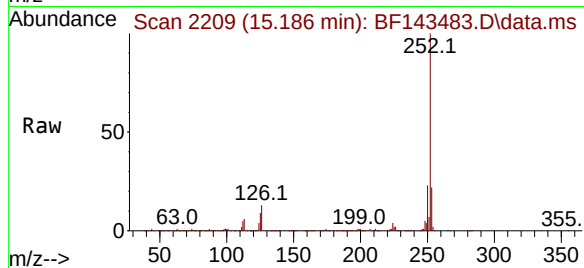
Tgt Ion:252 Resp: 928660

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.2 7.4 11.0



#90

Benzo(a)pyrene

Concen: 60.630 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

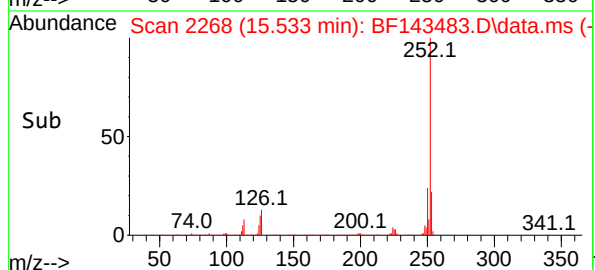
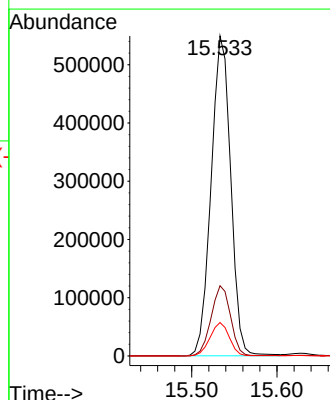
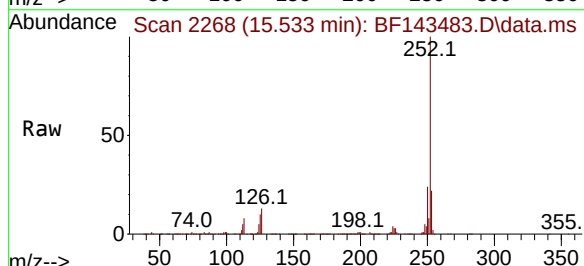
Tgt Ion:252 Resp: 876864

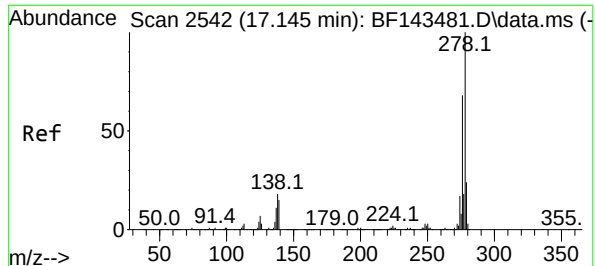
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 10.4 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 60.896 ng

RT: 17.145 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

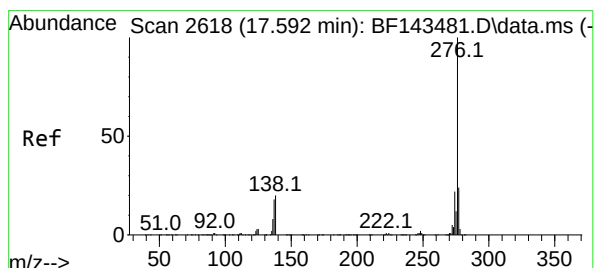
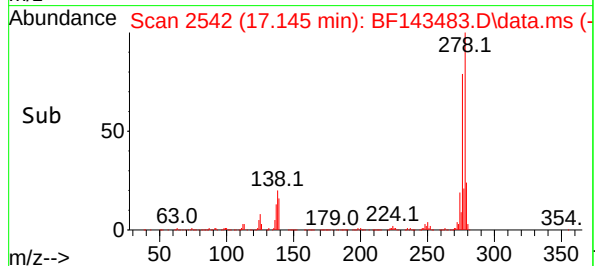
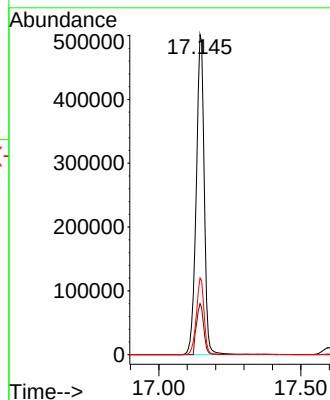
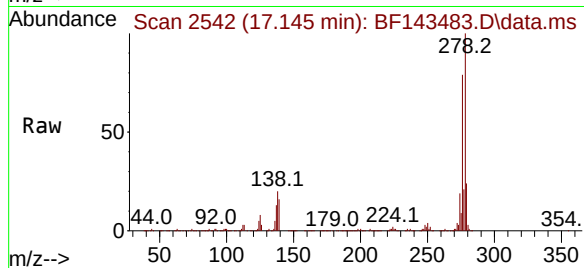
Tgt Ion:278 Resp: 982366

Ion Ratio Lower Upper

278 100

139 16.0 12.1 18.1

279 23.9 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 61.444 ng

RT: 17.598 min Scan# 2619

Delta R.T. -0.006 min

Lab File: BF143483.D

Acq: 20 Aug 2025 13:51

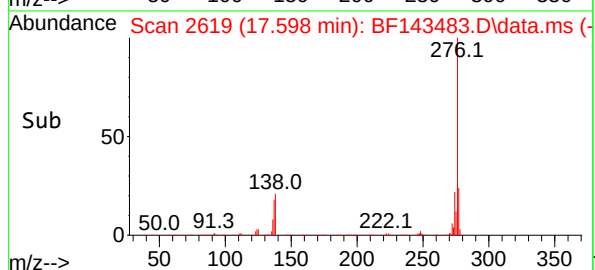
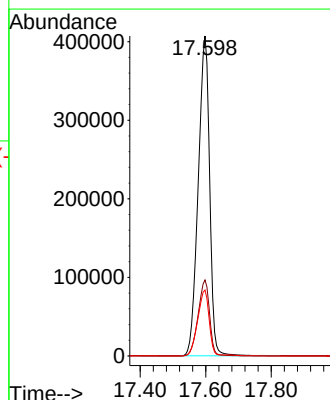
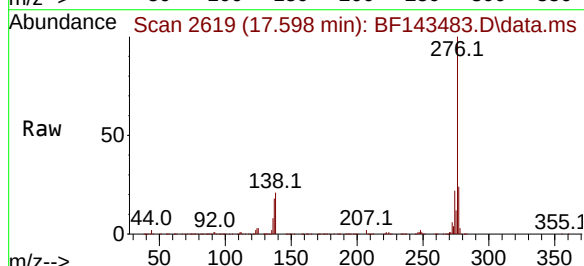
Tgt Ion:276 Resp: 985608

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 20.6 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143484.D
 Acq On : 20 Aug 2025 14:20
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 20 16:23:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	125123	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	471095	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	252899	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	380140	20.000	ng	0.00
76) Chrysene-d12	14.104	240	250059	20.000	ng	0.00
86) Perylene-d12	15.598	264	296923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	1062268	148.245	ng	0.00
7) Phenol-d6	6.575	99	1300018	146.969	ng	0.00
23) Nitrobenzene-d5	7.498	82	1224256	151.649	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	358471	152.274	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	2022059	132.140	ng	0.00
79) Terphenyl-d14	13.039	244	1808474	126.204	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.734	88	261319	78.723	ng	99
3) Pyridine	3.516	79	711417	80.466	ng	98
4) n-Nitrosodimethylamine	3.475	42	324491	81.643	ng	98
6) Aniline	6.593	93	857604	72.534	ng	# 69
8) 2-Chlorophenol	6.722	128	601470	75.996	ng	99
10) Phenol	6.587	94	725059	71.153	ng	89
11) bis(2-Chloroethyl)ether	6.663	93	578357	75.951	ng	99
12) 1,3-Dichlorobenzene	6.875	146	659299	74.140	ng	100
13) 1,4-Dichlorobenzene	6.945	146	652783	73.180	ng	99
14) 1,2-Dichlorobenzene	7.098	146	617296	73.091	ng	99
15) Benzyl Alcohol	7.075	79	521147	78.692	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	852253	69.956	ng	82
17) 2-Methylphenol	7.187	107	480610	75.661	ng	98
18) Hexachloroethane	7.445	117	228092	75.207	ng	95
19) n-Nitroso-di-n-propyla...	7.351	70	391129	72.344	ng	99
20) 3+4-Methylphenols	7.340	107	538601	71.028	ng	97
22) Acetophenone	7.340	105	720554	70.797	ng	# 98
24) Nitrobenzene	7.516	77	634384	76.350	ng	99
25) Isophorone	7.757	82	1136551	76.802	ng	99
26) 2-Nitrophenol	7.828	139	326185	80.143	ng	99
27) 2,4-Dimethylphenol	7.869	122	473860	74.687	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	673547	74.061	ng	100
29) 2,4-Dichlorophenol	8.075	162	501321	73.984	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	515561	74.002	ng	99
31) Naphthalene	8.234	128	1619392	71.600	ng	99
32) Benzoic acid	8.010	122	302185	79.400	ng	99
33) 4-Chloroaniline	8.281	127	593863	73.979	ng	99
34) Hexachlorobutadiene	8.351	225	333754	73.429	ng	99
35) Caprolactam	8.675	113	136369	83.868	ng	99
36) 4-Chloro-3-methylphenol	8.769	107	507643	74.756	ng	99
37) 2-Methylnaphthalene	8.928	142	1059150	70.116	ng	100
38) 1-Methylnaphthalene	9.028	142	1018285	70.472	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	523305	72.341	ng	99
41) Hexachlorocyclopentadiene	9.081	237	224318	79.823	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	342710	76.993	ng	100
44) 2,4,5-Trichlorophenol	9.251	196	369517	75.999	ng	99

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Data File : BF143484.D
Acq On : 20 Aug 2025 14:20
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 20 16:23:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

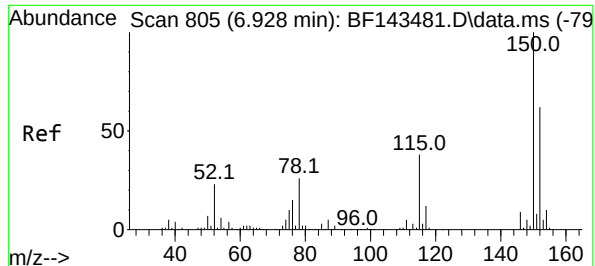
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.392	154	1261514	70.278	ng	100
47) 2-Chloronaphthalene	9.416	162	1020070	72.427	ng	99
48) 2-Nitroaniline	9.510	65	323688	78.529	ng	97
49) Acenaphthylene	9.828	152	1453334	72.067	ng	99
50) Dimethylphthalate	9.681	163	1146434	75.267	ng	100
51) 2,6-Dinitrotoluene	9.751	165	254308	80.559	ng	99
52) Acenaphthene	10.004	154	996259	72.761	ng	100
53) 3-Nitroaniline	9.922	138	272588	79.912	ng	99
54) 2,4-Dinitrophenol	10.028	184	130385	77.416	ng	97
55) Dibenzofuran	10.175	168	1396682	71.547	ng	99
56) 4-Nitrophenol	10.086	139	183388	90.356	ng	97
57) 2,4-Dinitrotoluene	10.157	165	339818	80.619	ng	99
58) Fluorene	10.522	166	1036620	68.995	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.298	232	291172	80.607	ng	100
60) Diethylphthalate	10.386	149	1019464	74.653	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	532970	70.930	ng	100
62) 4-Nitroaniline	10.539	138	253207	80.815	ng	97
63) Azobenzene	10.669	77	1029397	72.699	ng	99
65) 4,6-Dinitro-2-methylph...	10.569	198	190849	89.041	ng	99
66) n-Nitrosodiphenylamine	10.628	169	896806	73.307	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	344616	75.979	ng	98
68) Hexachlorobenzene	11.075	284	369632	75.603	ng	98
69) Atrazine	11.151	200	267710	84.774	ng	98
70) Pentachlorophenol	11.269	266	198658	88.721	ng	100
71) Phenanthrene	11.480	178	1473414	72.378	ng	100
72) Anthracene	11.533	178	1489612	72.232	ng	99
73) Carbazole	11.686	167	1254509	74.240	ng	99
74) Di-n-butylphthalate	12.010	149	1299399	82.429	ng	99
75) Fluoranthene	12.674	202	1310616	71.750	ng	99
77) Benzidine	12.786	184	371810	61.042	ng	100
78) Pyrene	12.904	202	1327454	64.536	ng	100
80) Butylbenzylphthalate	13.510	149	484637	86.247	ng	99
81) Benzo(a)anthracene	14.092	228	1237164	76.847	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	370170	80.290	ng	99
83) Chrysene	14.127	228	1114466	77.031	ng	99
84) Bis(2-ethylhexyl)phtha...	14.069	149	700384	81.836	ng	99
85) Di-n-octyl phthalate	14.686	149	1227818	77.442	ng	100
87) Indeno(1,2,3-cd)pyrene	17.139	276	1538560	72.108	ng	100
88) Benzo(b)fluoranthene	15.157	252	1329385	80.545	ng	99
89) Benzo(k)fluoranthene	15.192	252	1193283	75.511	ng	99
90) Benzo(a)pyrene	15.539	252	1200553	78.365	ng	100
91) Dibenzo(a,h)anthracene	17.157	278	1214959	71.099	ng	100
92) Benzo(g,h,i)perylene	17.604	276	1233571	72.598	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

- 1
- 2
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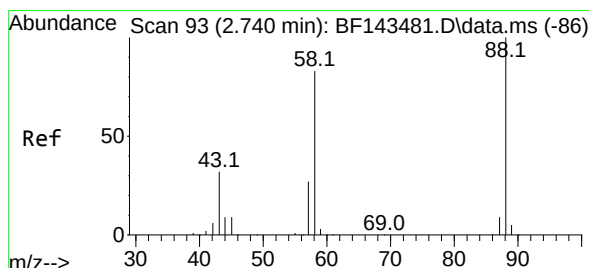
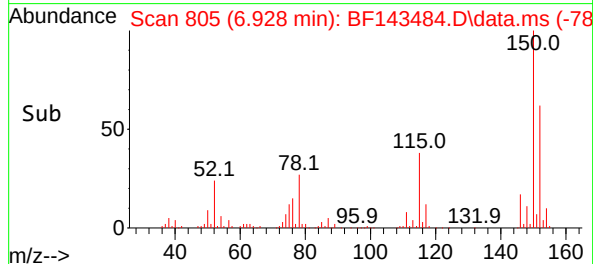
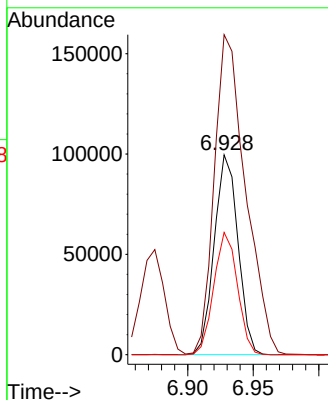
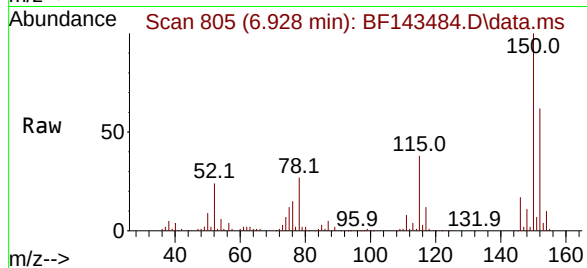




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

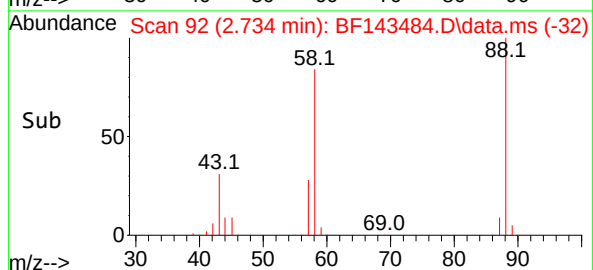
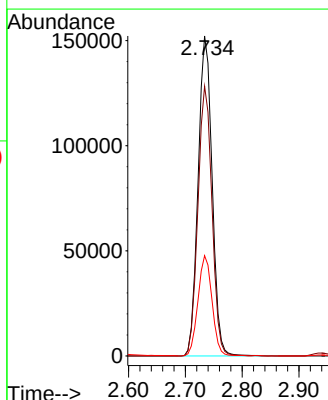
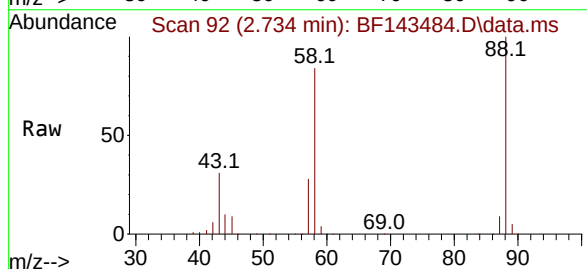
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

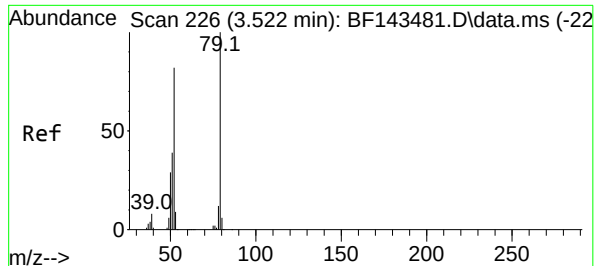
Tgt Ion:152 Resp: 125123
Ion Ratio Lower Upper
152 100
150 160.1 128.9 193.3
115 61.1 49.2 73.8



#2
1,4-Dioxane
Concen: 78.723 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 88 Resp: 261319
Ion Ratio Lower Upper
88 100
58 84.6 66.7 100.1
43 31.5 25.8 38.8





#3

Pyridine

Concen: 80.466 ng

RT: 3.516 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

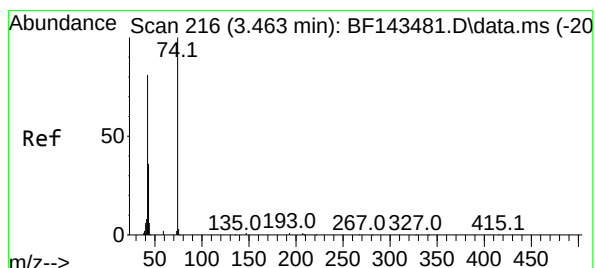
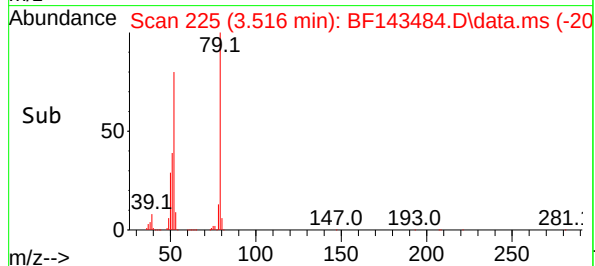
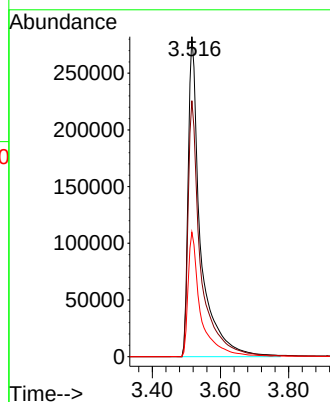
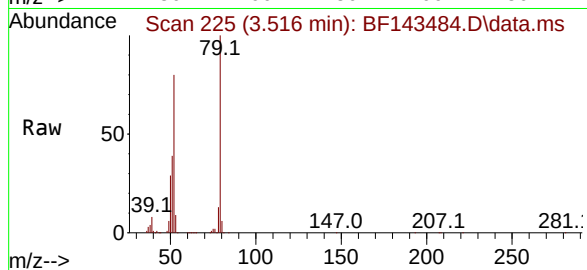
Tgt Ion: 79 Resp: 711417

Ion Ratio Lower Upper

79 100

52 80.0 65.6 98.4

51 38.9 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 81.643 ng

RT: 3.475 min Scan# 218

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

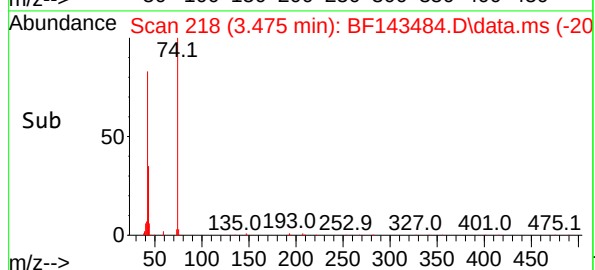
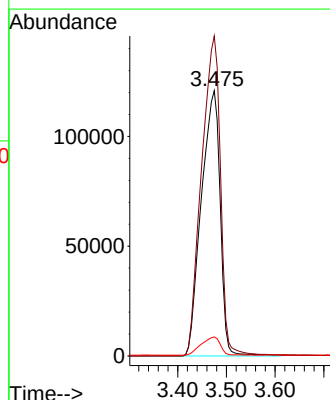
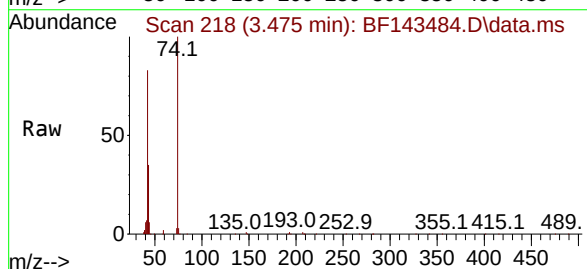
Tgt Ion: 42 Resp: 324491

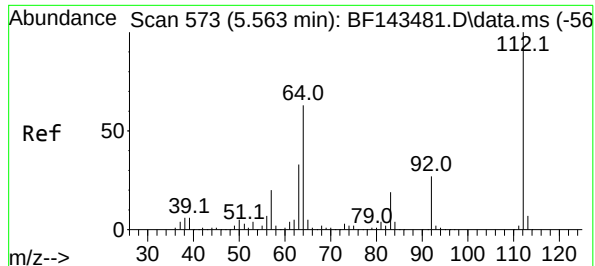
Ion Ratio Lower Upper

42 100

74 120.6 98.6 148.0

44 7.2 5.8 8.8

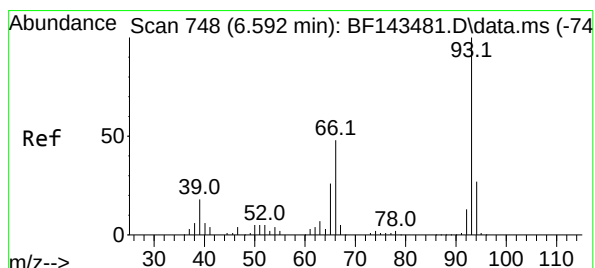
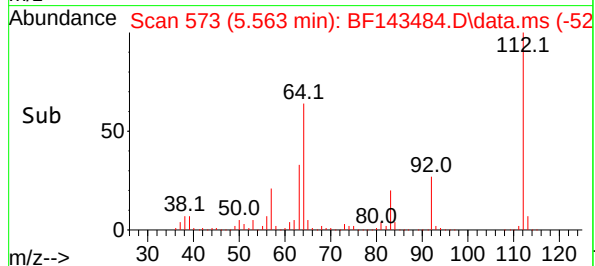
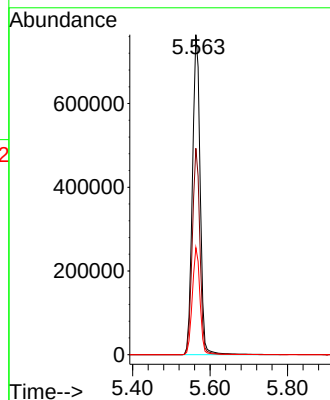
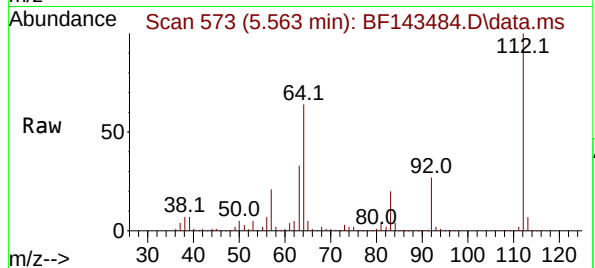




#5
2-Fluorophenol
Concen: 148.245 ng
RT: 5.563 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

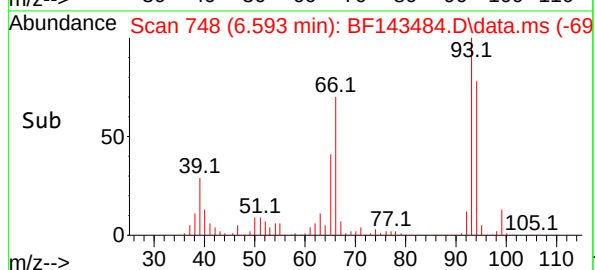
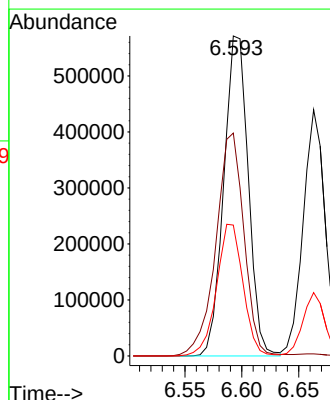
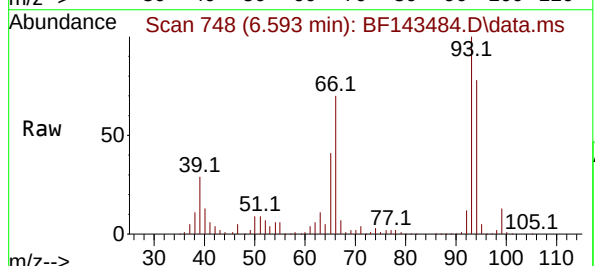
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

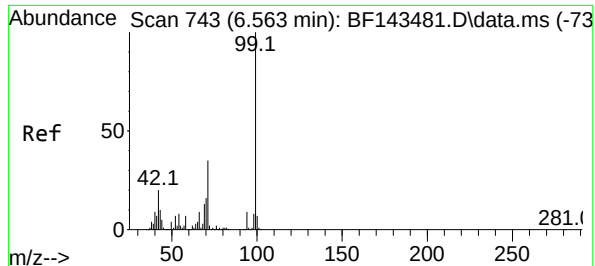
Tgt Ion:112 Resp: 1062268
Ion Ratio Lower Upper
112 100
64 64.5 50.4 75.6
63 33.5 26.4 39.6



#6
Aniline
Concen: 72.534 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 93 Resp: 857604
Ion Ratio Lower Upper
93 100
66 69.7 38.9 58.3#
65 40.9 20.6 30.8#

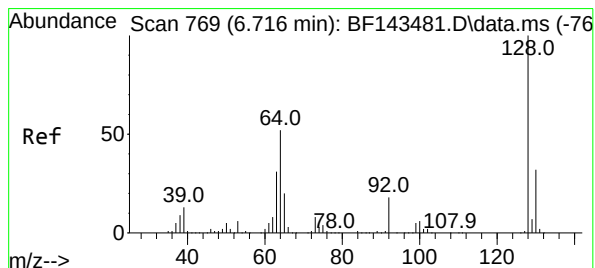
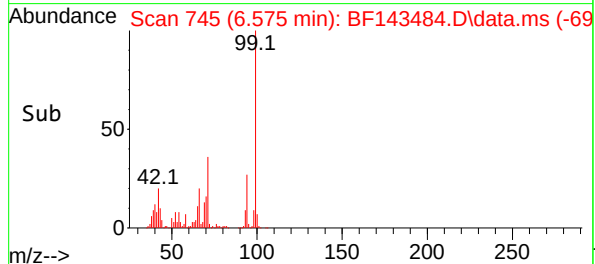
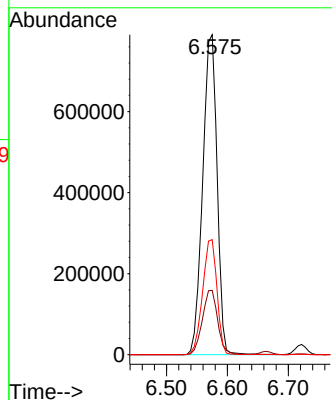
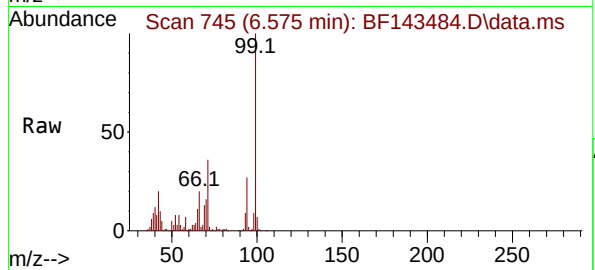




#7
Phenol-d6
Concen: 146.969 ng
RT: 6.575 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

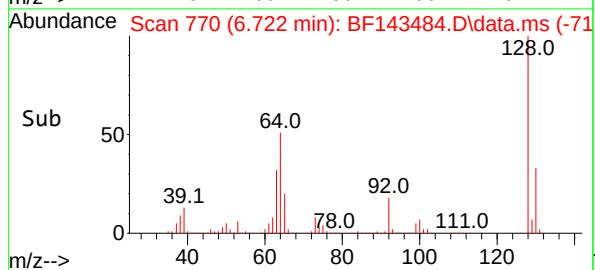
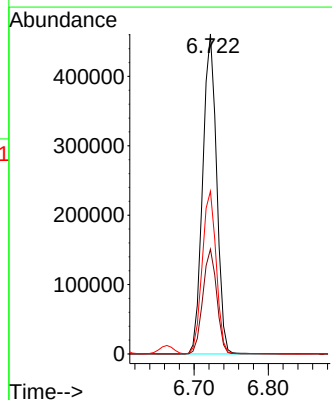
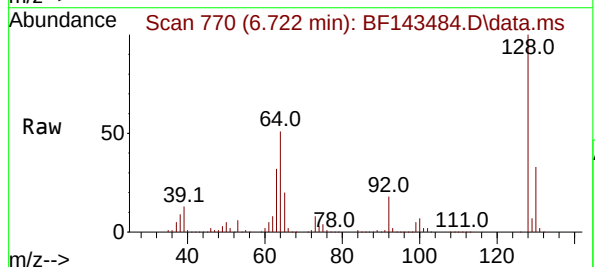
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

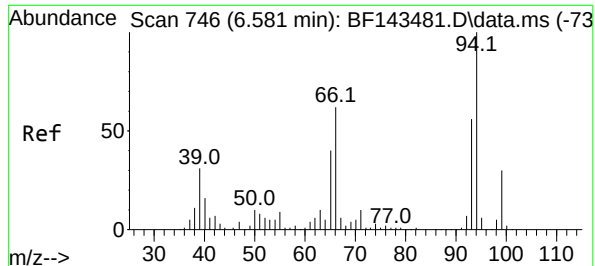
Tgt Ion: 99 Resp: 1300018
Ion Ratio Lower Upper
99 100
42 20.1 16.3 24.5
71 35.9 28.2 42.2



#8
2-Chlorophenol
Concen: 75.996 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 128 Resp: 601470
Ion Ratio Lower Upper
128 100
130 32.8 12.4 52.4
64 50.8 31.6 71.6





#10

Phenol

Concen: 71.153 ng

RT: 6.587 min Scan# 746

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

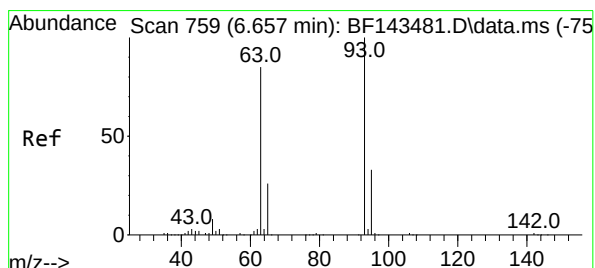
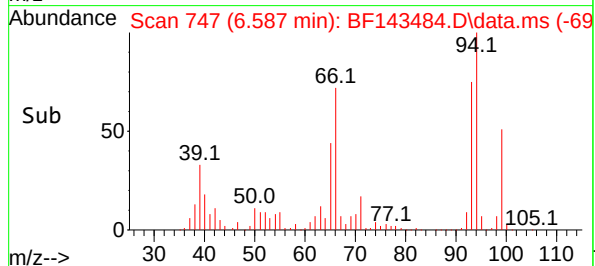
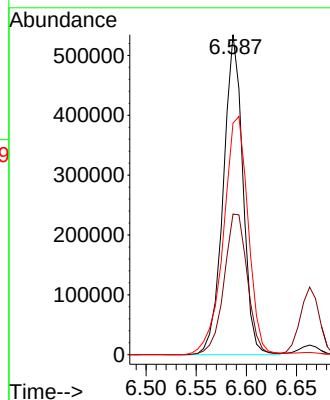
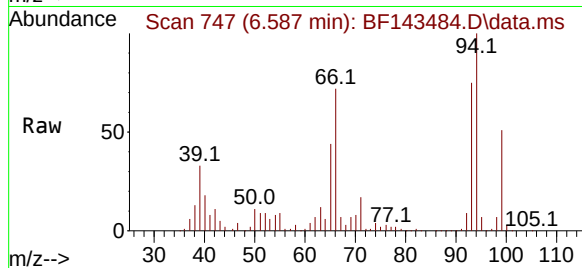
Tgt Ion: 94 Resp: 725059

Ion Ratio Lower Upper

94 100

65 44.0 19.5 59.5

66 72.4 42.5 82.5



#11

bis(2-Chloroethyl)ether

Concen: 75.951 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

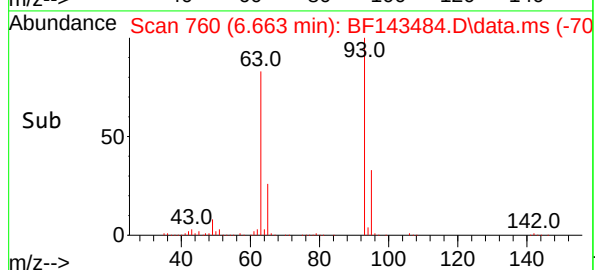
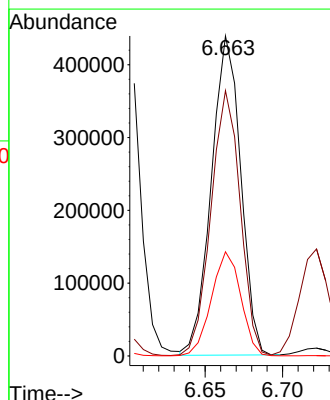
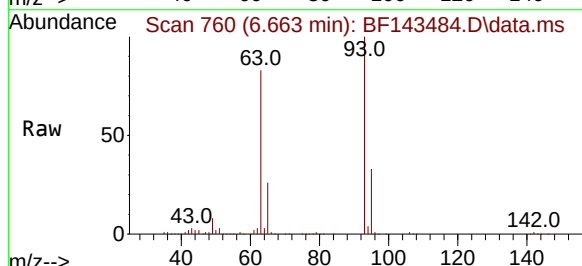
Tgt Ion: 93 Resp: 578357

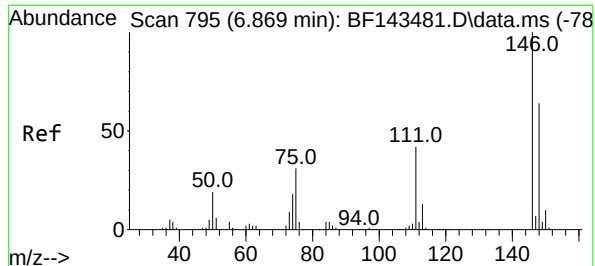
Ion Ratio Lower Upper

93 100

63 82.9 63.6 103.6

95 32.6 12.8 52.8





#12

1,3-Dichlorobenzene

Concen: 74.140 ng

RT: 6.875 min Scan# 795

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

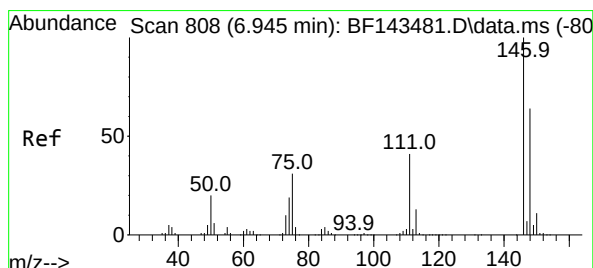
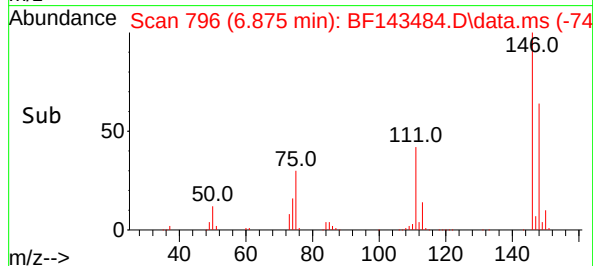
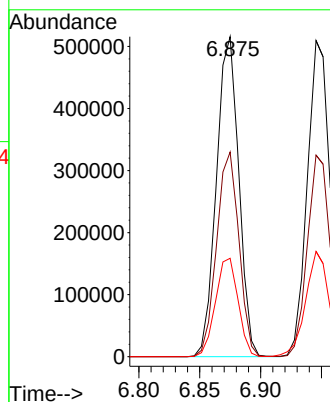
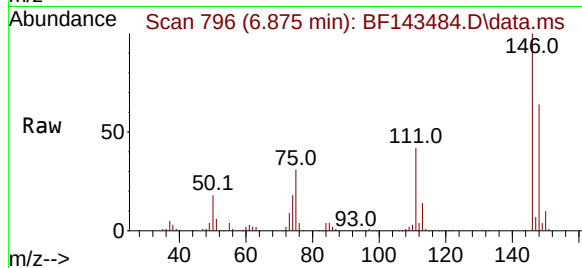
Tgt Ion:146 Resp: 659299

Ion Ratio Lower Upper

146 100

148 64.0 51.3 76.9

75 30.7 24.7 37.1



#13

1,4-Dichlorobenzene

Concen: 73.180 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

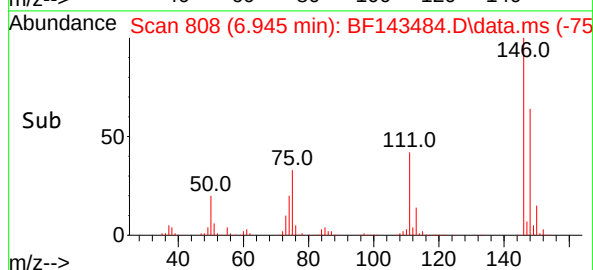
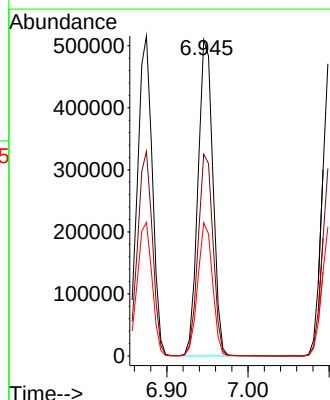
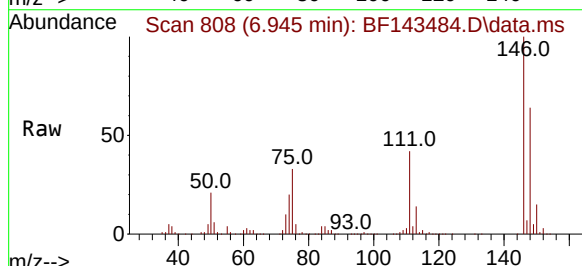
Tgt Ion:146 Resp: 652783

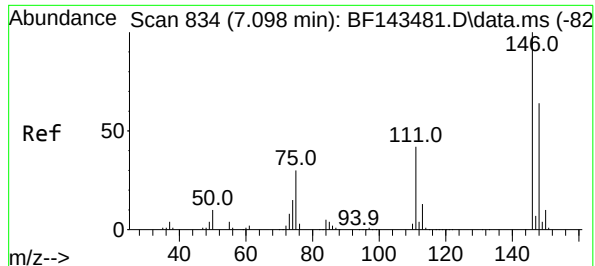
Ion Ratio Lower Upper

146 100

148 63.8 51.5 77.3

111 42.1 32.6 49.0





#14

1,2-Dichlorobenzene

Concen: 73.091 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

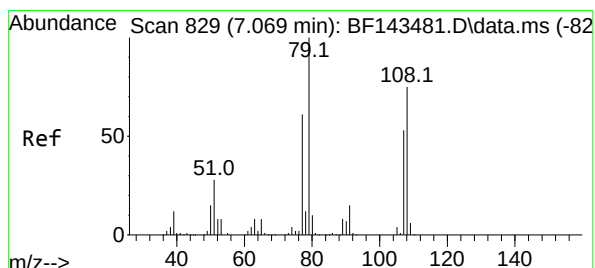
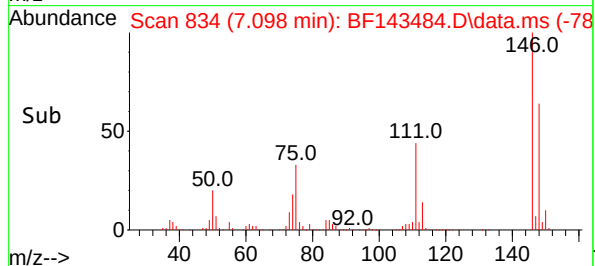
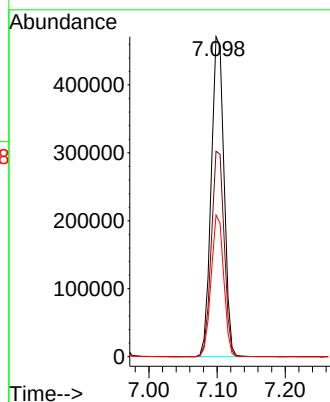
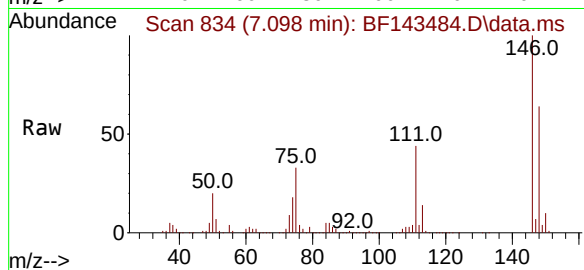
Tgt Ion:146 Resp: 617296

Ion Ratio Lower Upper

146 100

148 64.2 51.0 76.6

111 44.2 34.0 51.0



#15

Benzyl Alcohol

Concen: 78.692 ng

RT: 7.075 min Scan# 830

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

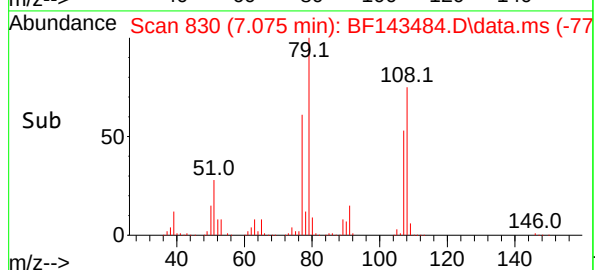
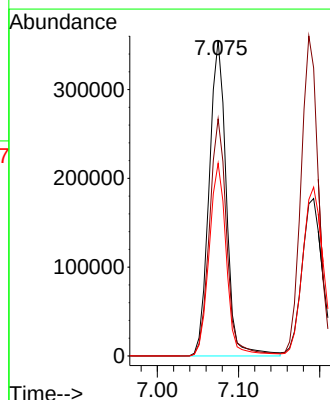
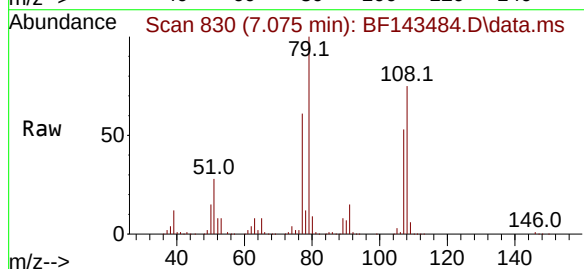
Tgt Ion: 79 Resp: 521147

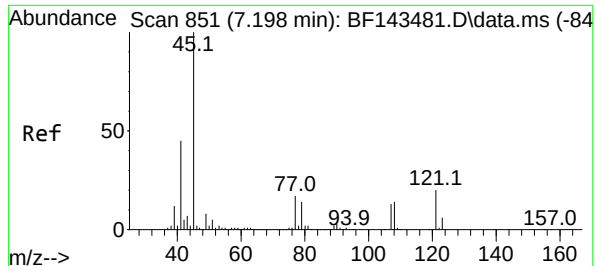
Ion Ratio Lower Upper

79 100

108 75.1 59.8 89.6

77 61.0 49.0 73.4

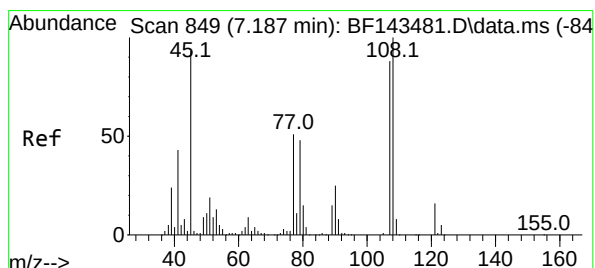
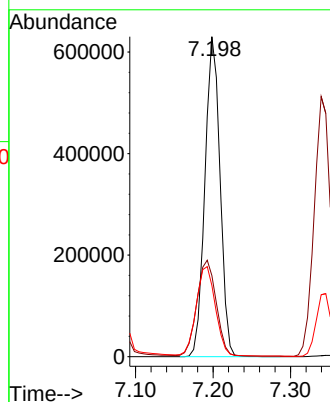
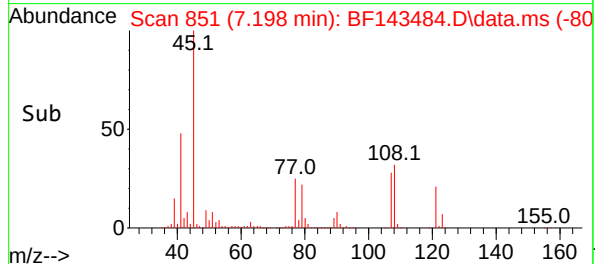
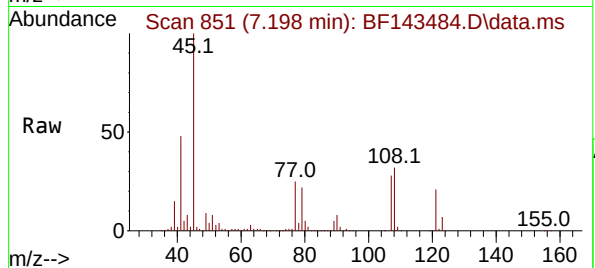




#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.956 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

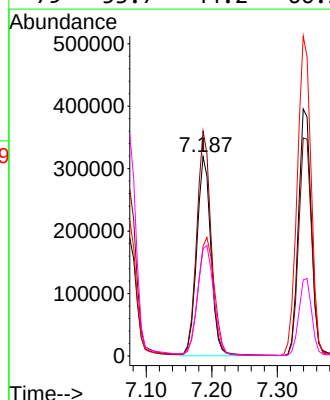
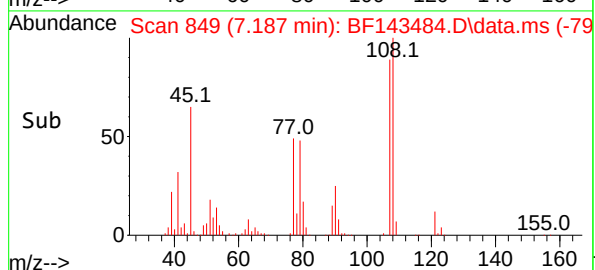
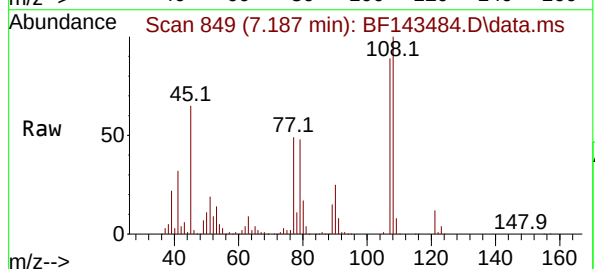
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

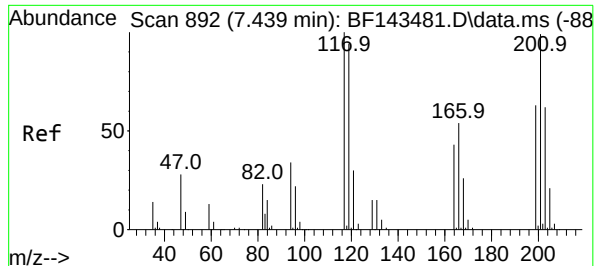
Tgt Ion: 45 Resp: 852253
Ion Ratio Lower Upper
45 100
77 25.4 0.0 37.9
79 22.3 0.0 34.7



#17
2-Methylphenol
Concen: 75.661 ng
RT: 7.187 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 107 Resp: 480610
Ion Ratio Lower Upper
107 100
108 112.8 91.1 136.7
77 55.1 46.2 69.4
79 53.7 44.2 66.2





#18

Hexachloroethane

Concen: 75.207 ng

RT: 7.445 min Scan# 89

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

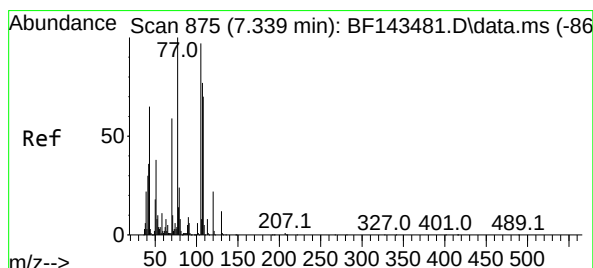
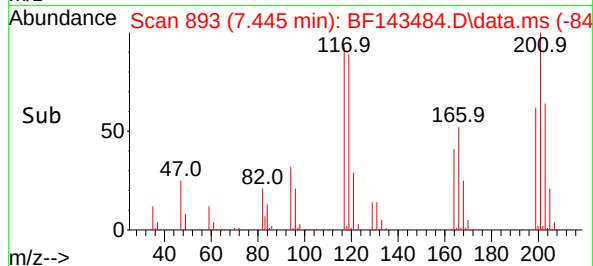
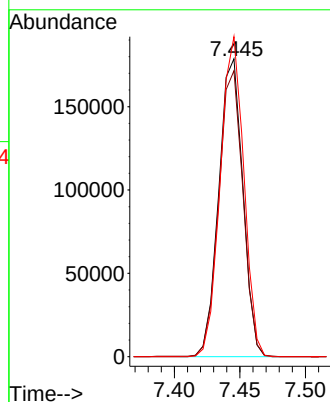
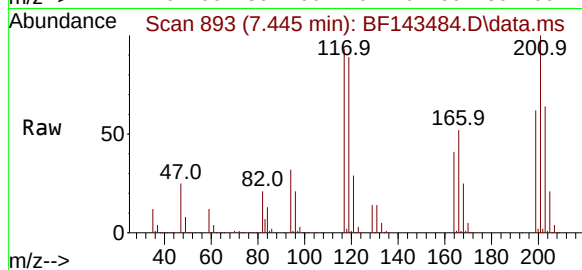
Tgt Ion:117 Resp: 228092

Ion Ratio Lower Upper

117 100

119 96.0 75.4 113.0

201 107.4 79.0 118.4



#19

n-Nitroso-di-n-propylamine

Concen: 72.344 ng

RT: 7.351 min Scan# 877

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Tgt Ion: 70 Resp: 391129

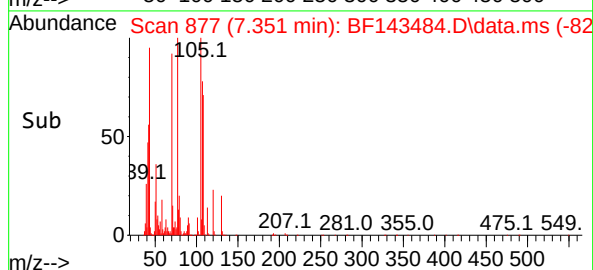
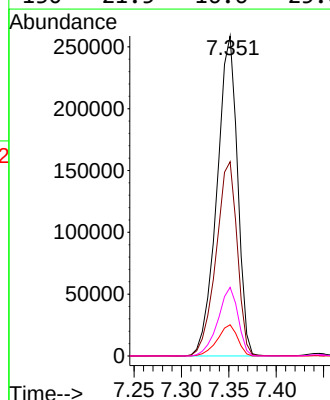
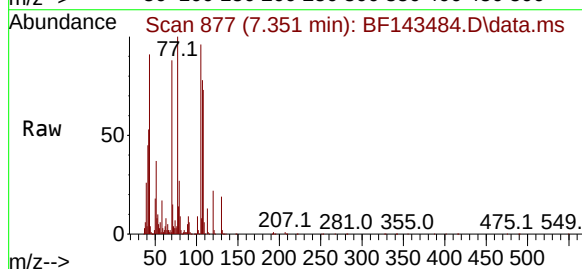
Ion Ratio Lower Upper

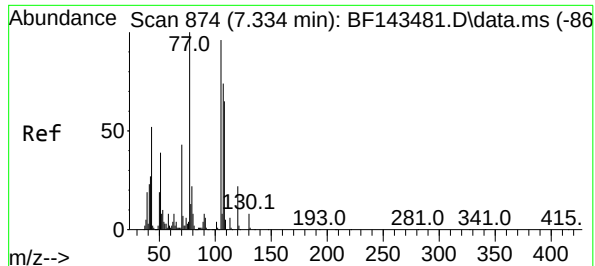
70 100

42 60.7 49.3 73.9

101 9.7 7.8 11.8

130 21.5 16.6 25.0





#20

3+4-Methylphenols

Concen: 71.028 ng

RT: 7.340 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143484.D

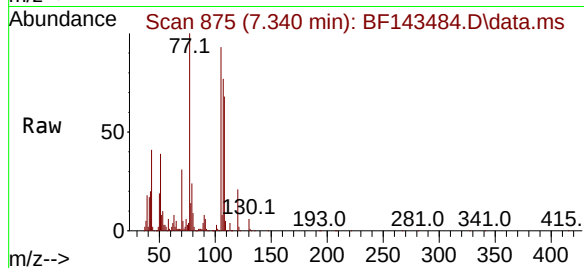
Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:107 Resp: 538601

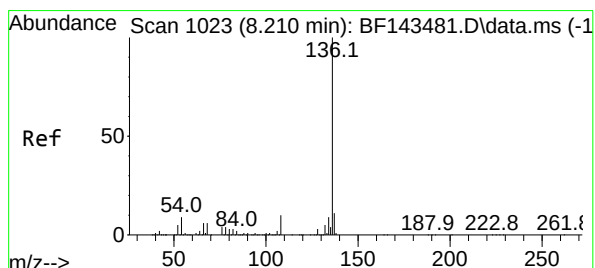
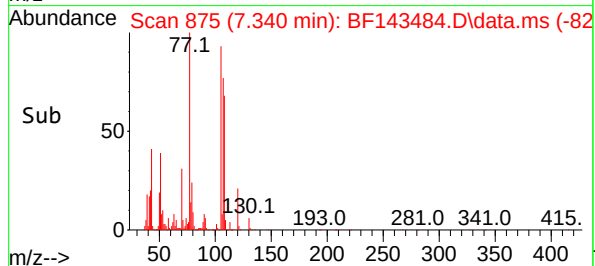
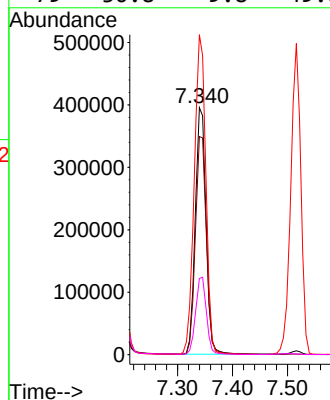
Ion Ratio Lower Upper

107 100

108 88.3 68.4 108.4

77 129.6 116.1 156.1

79 30.8 9.8 49.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Tgt Ion:136 Resp: 471095

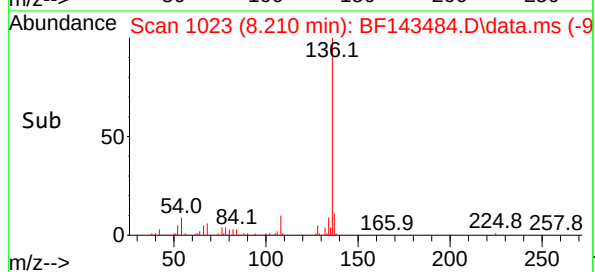
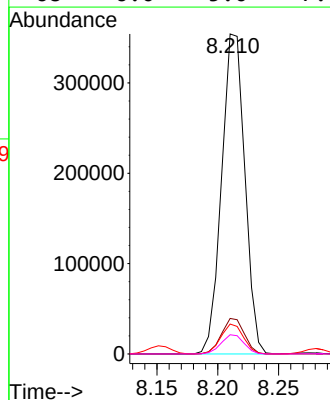
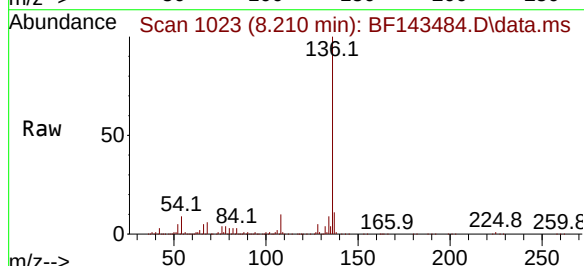
Ion Ratio Lower Upper

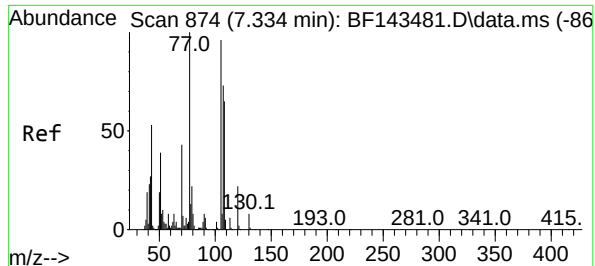
136 100

137 11.1 9.0 13.4

54 9.4 7.4 11.2

68 6.0 5.0 7.4





#22

Acetophenone

Concen: 70.797 ng

RT: 7.340 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:105 Resp: 720554

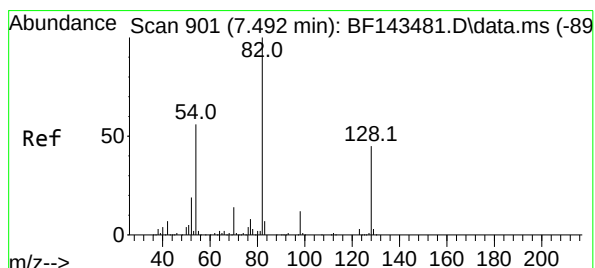
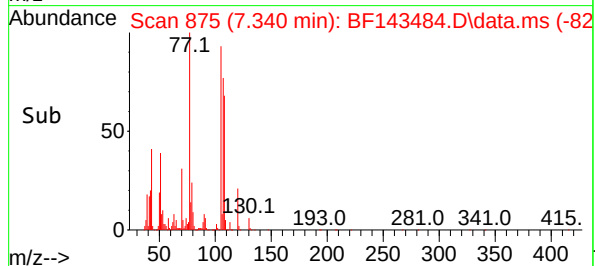
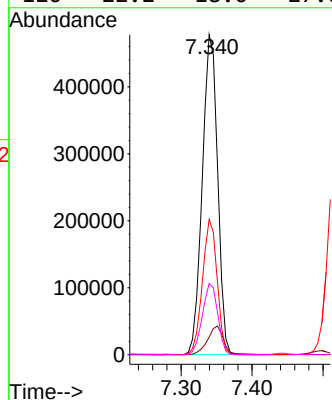
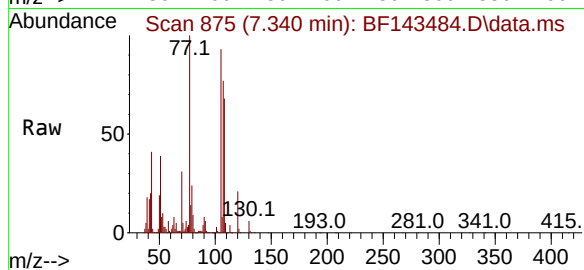
Ion Ratio Lower Upper

105 100

71 5.5 5.9 8.9#

51 42.2 32.5 48.7

120 22.2 18.0 27.0



#23

Nitrobenzene-d5

Concen: 151.649 ng

RT: 7.498 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

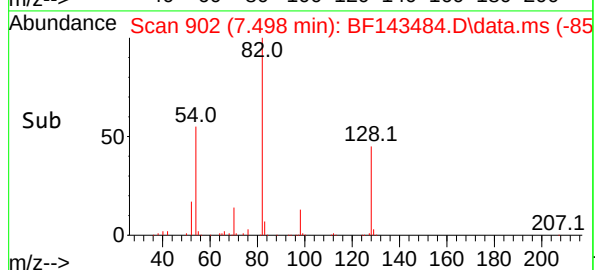
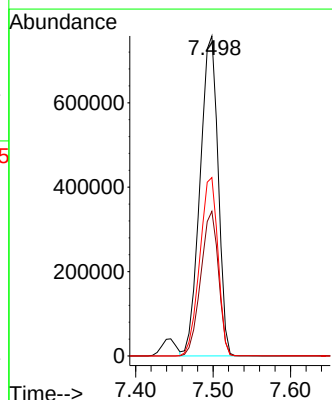
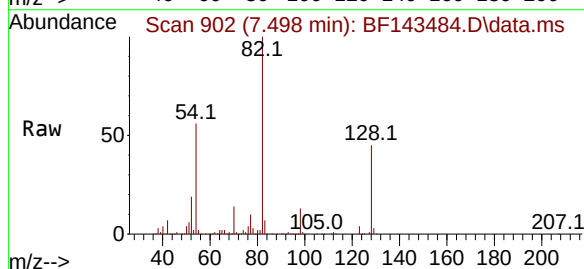
Tgt Ion: 82 Resp: 1224256

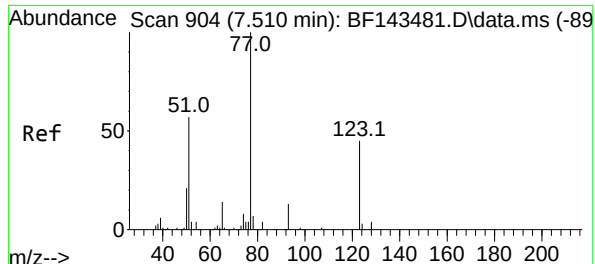
Ion Ratio Lower Upper

82 100

128 45.2 35.5 53.3

54 55.7 44.3 66.5





#24

Nitrobenzene

Concen: 76.350 ng

RT: 7.516 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

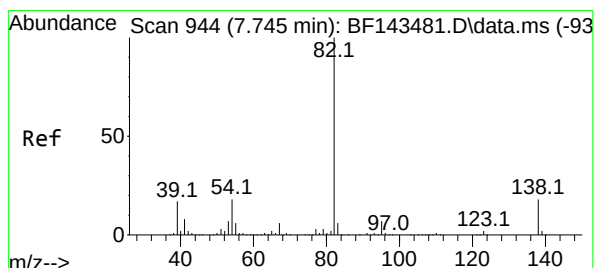
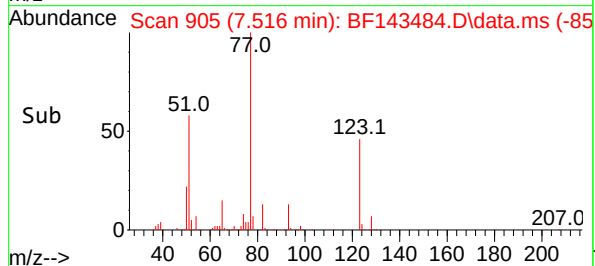
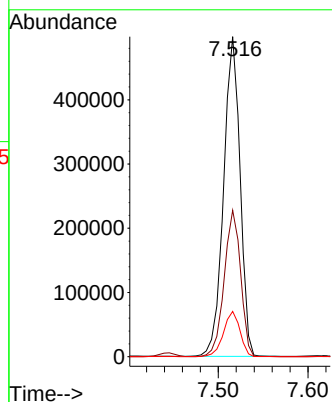
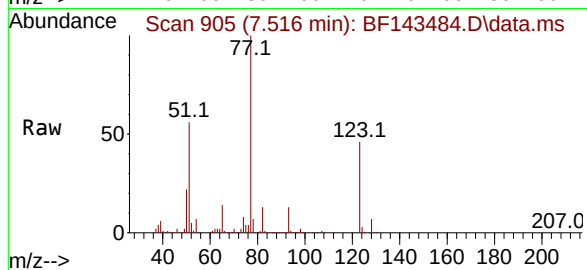
Tgt Ion: 77 Resp: 634384

Ion Ratio Lower Upper

77 100

123 45.8 36.1 54.1

65 14.2 11.0 16.6



#25

Isophorone

Concen: 76.802 ng

RT: 7.757 min Scan# 946

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

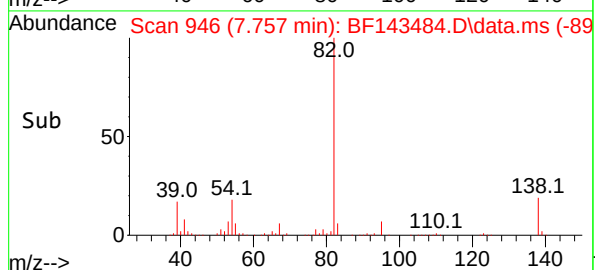
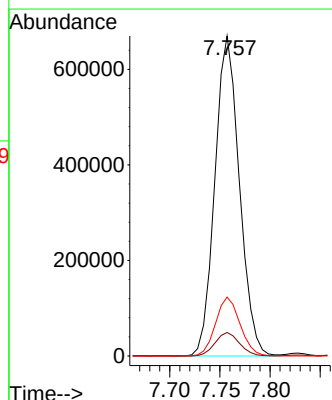
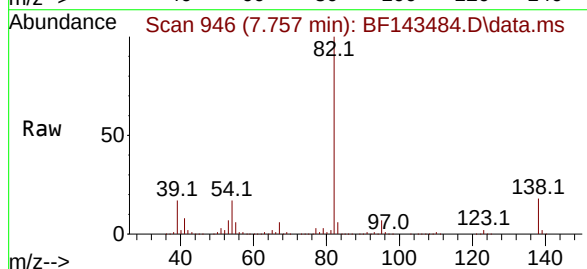
Tgt Ion: 82 Resp: 1136551

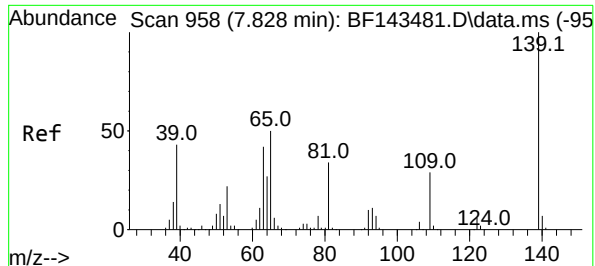
Ion Ratio Lower Upper

82 100

95 7.3 5.8 8.8

138 18.4 14.2 21.4





#26

2-Nitrophenol

Concen: 80.143 ng

RT: 7.828 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

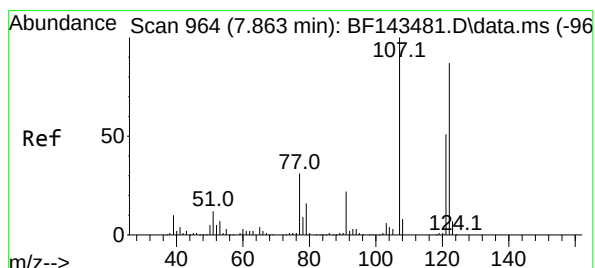
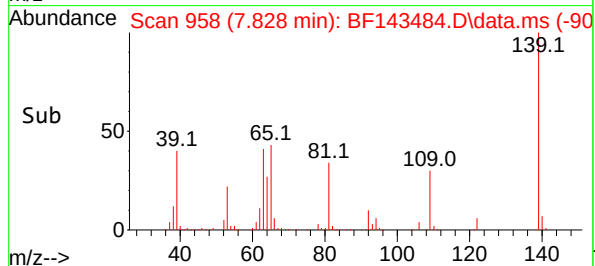
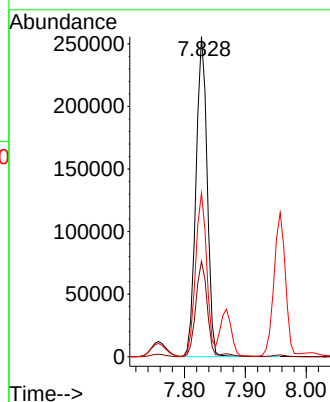
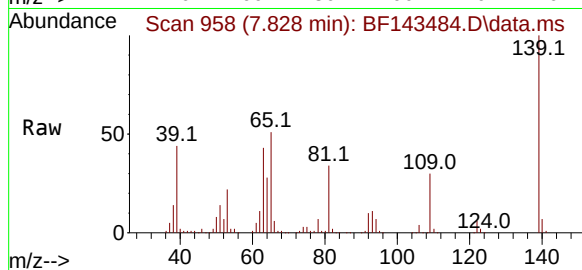
Tgt Ion:139 Resp: 326185

Ion Ratio Lower Upper

139 100

109 29.8 23.0 34.6

65 51.1 40.3 60.5



#27

2,4-Dimethylphenol

Concen: 74.687 ng

RT: 7.869 min Scan# 965

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

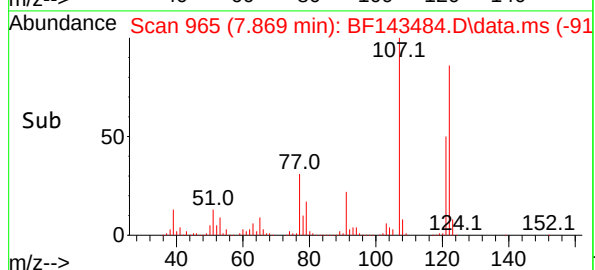
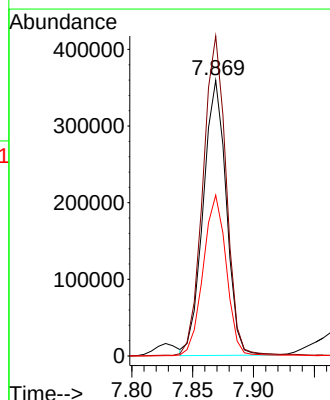
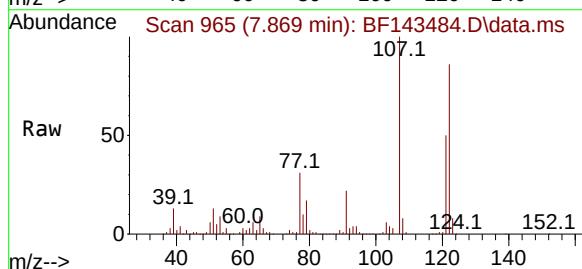
Tgt Ion:122 Resp: 473860

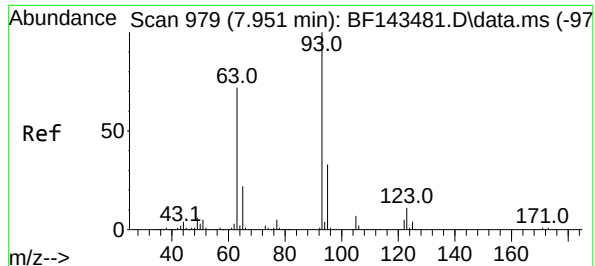
Ion Ratio Lower Upper

122 100

107 116.1 91.5 137.3

121 58.3 47.0 70.4

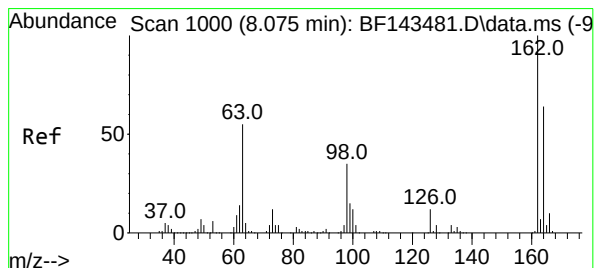
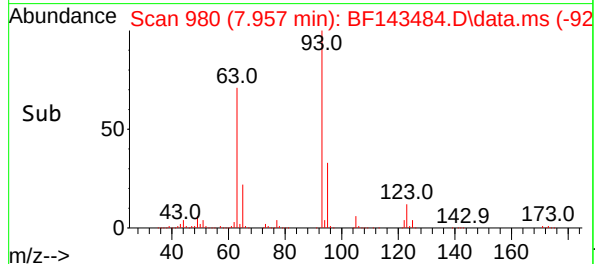
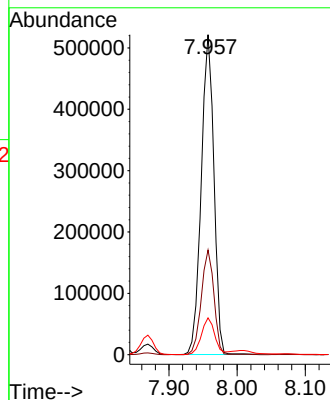
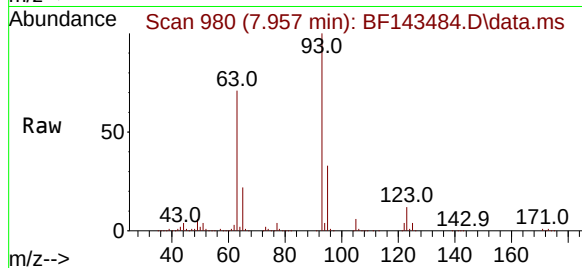




#28
bis(2-Chloroethoxy)methane
Concen: 74.061 ng
RT: 7.957 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

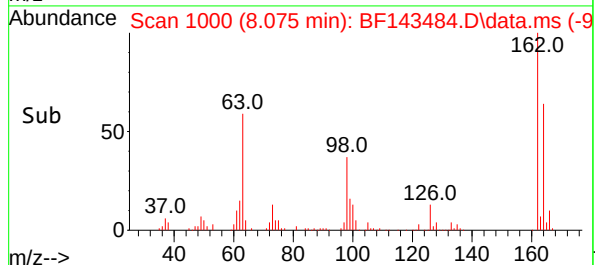
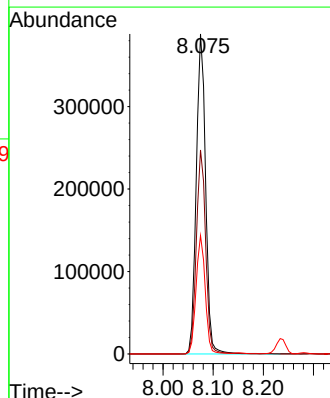
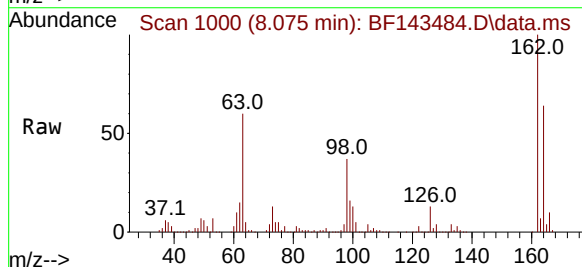
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

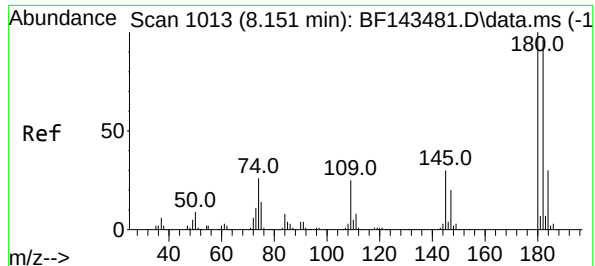
Tgt Ion: 93 Resp: 673547
Ion Ratio Lower Upper
93 100
95 32.7 26.0 39.0
123 11.5 9.1 13.7



#29
2,4-Dichlorophenol
Concen: 73.984 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 162 Resp: 501321
Ion Ratio Lower Upper
162 100
164 63.7 43.5 83.5
98 37.0 15.1 55.1





#30

1,2,4-Trichlorobenzene

Concen: 74.002 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

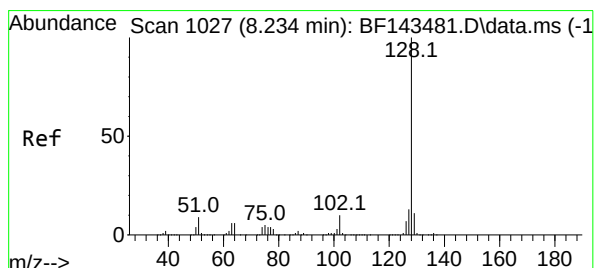
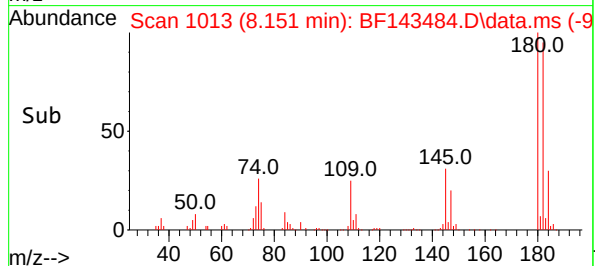
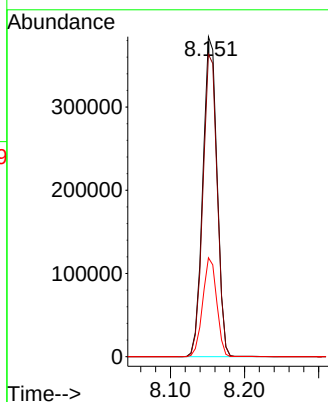
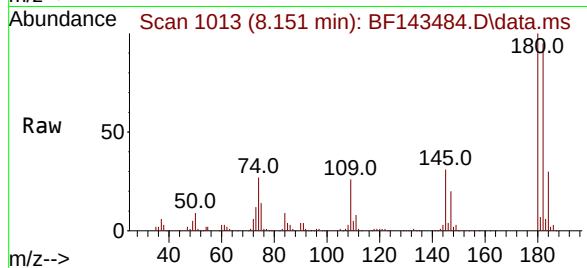
Tgt Ion:180 Resp: 515561

Ion Ratio Lower Upper

180 100

182 94.5 76.6 114.8

145 30.9 24.3 36.5



#31

Naphthalene

Concen: 71.600 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

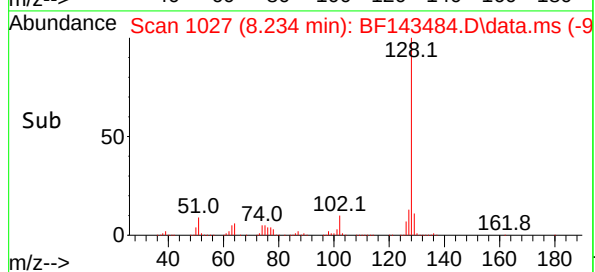
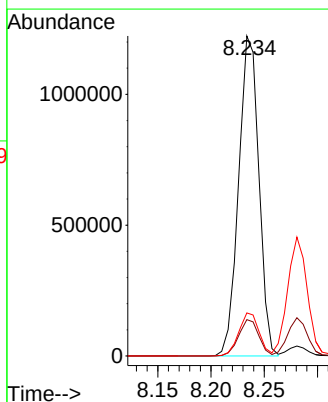
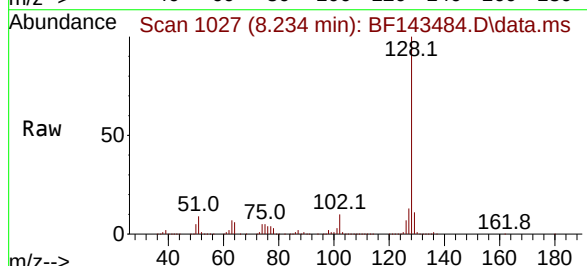
Tgt Ion:128 Resp: 1619392

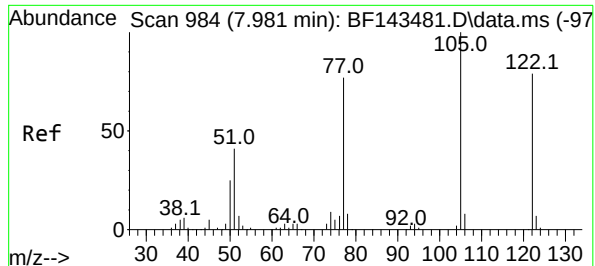
Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.4 10.6 16.0





#32

Benzoic acid

Concen: 79.400 ng

RT: 8.010 min Scan# 984

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

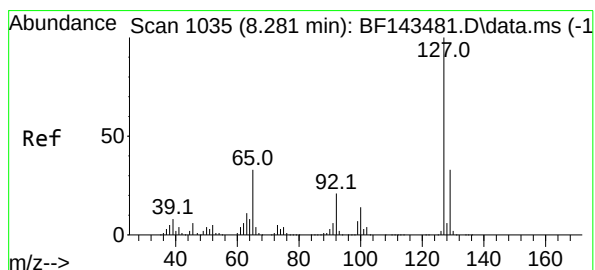
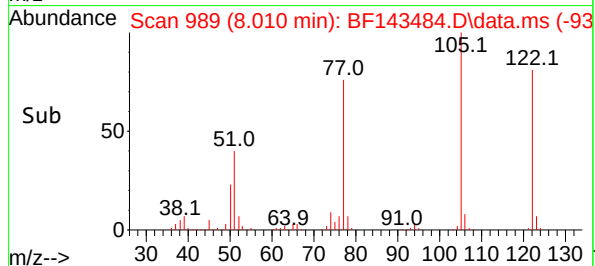
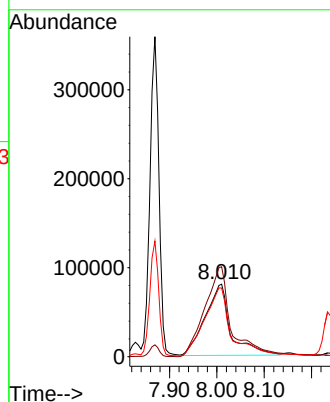
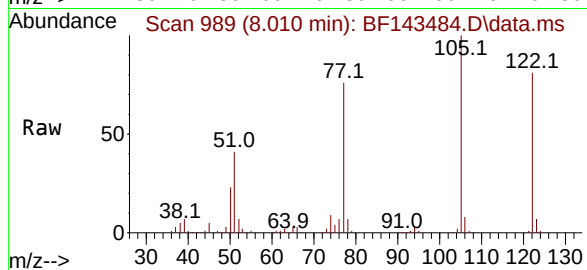
Tgt Ion:122 Resp: 302185

Ion Ratio Lower Upper

122 100

105 124.1 104.7 144.7

77 94.8 77.3 117.3



#33

4-Chloroaniline

Concen: 73.979 ng

RT: 8.281 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Tgt Ion:127 Resp: 593863

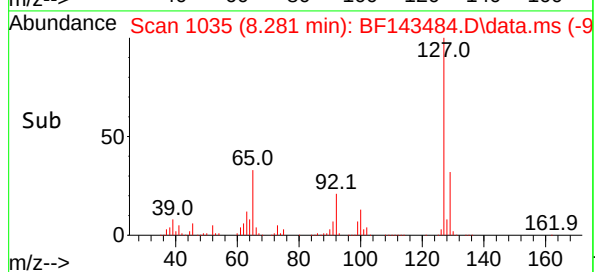
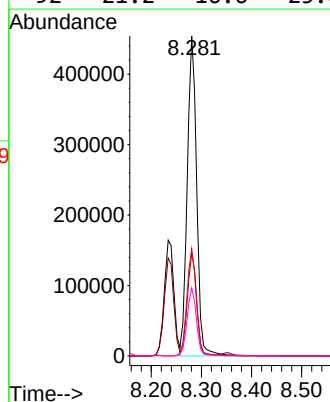
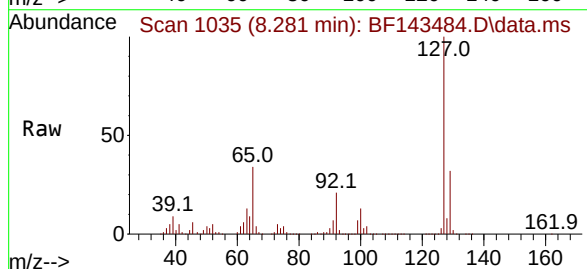
Ion Ratio Lower Upper

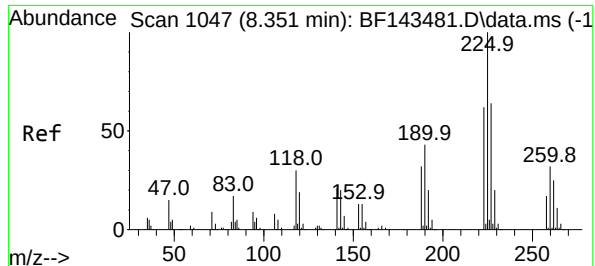
127 100

129 32.1 26.1 39.1

65 33.6 26.2 39.2

92 21.2 16.6 25.0





#34

Hexachlorobutadiene

Concen: 73.429 ng

RT: 8.351 min Scan# 1102

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

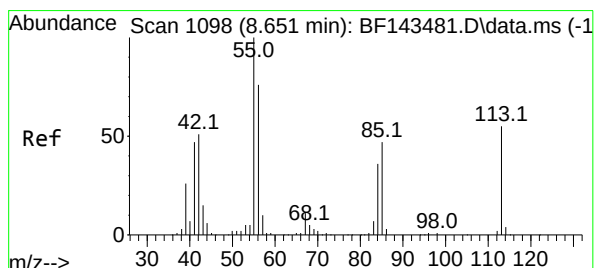
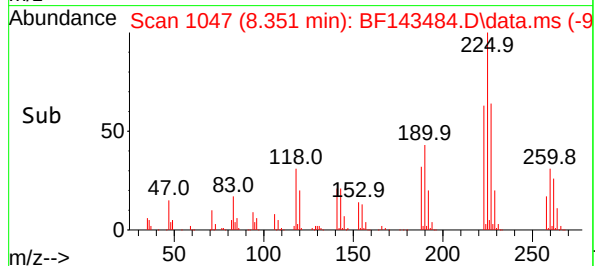
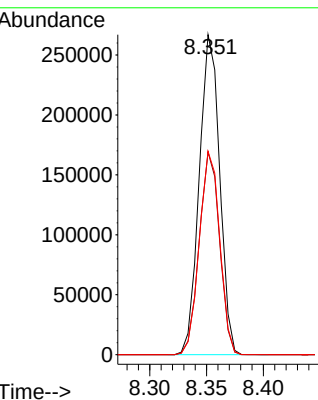
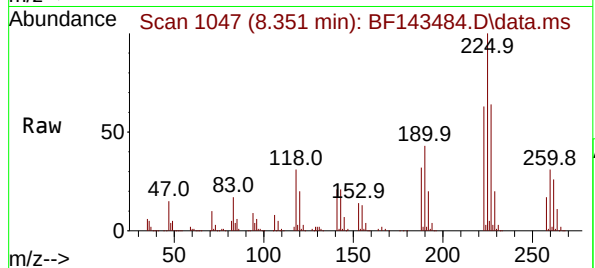
Tgt Ion:225 Resp: 333754

Ion Ratio Lower Upper

225 100

223 63.3 49.9 74.9

227 63.6 50.9 76.3



#35

Caprolactam

Concen: 83.868 ng

RT: 8.675 min Scan# 1102

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

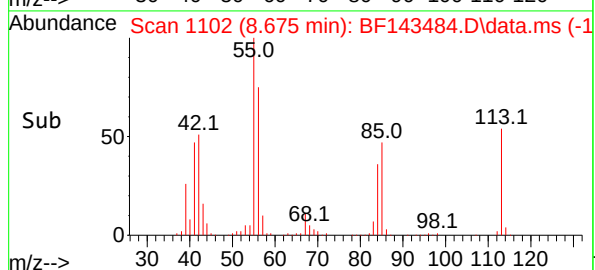
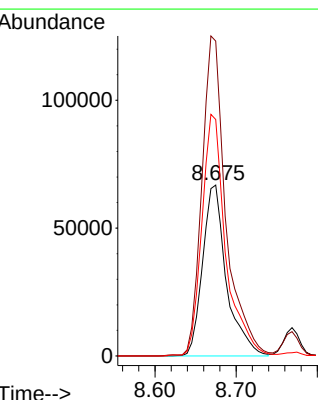
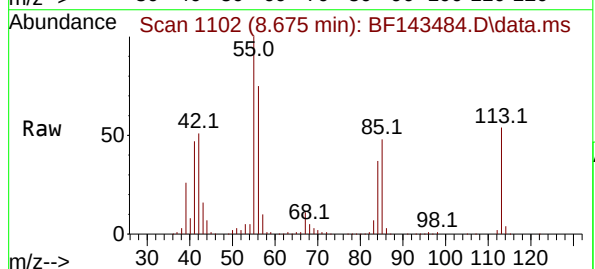
Tgt Ion:113 Resp: 136369

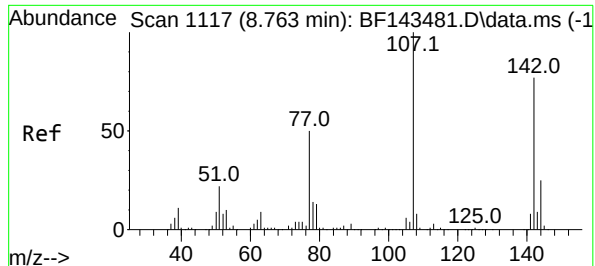
Ion Ratio Lower Upper

113 100

55 184.3 162.8 202.8

56 138.5 118.1 158.1





#36

4-Chloro-3-methylphenol

Concen: 74.756 ng

RT: 8.769 min Scan# 1118

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

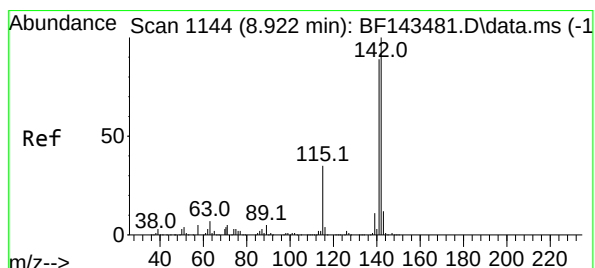
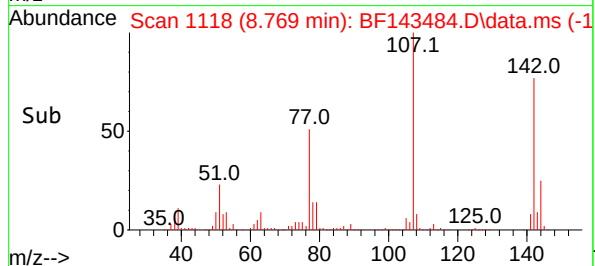
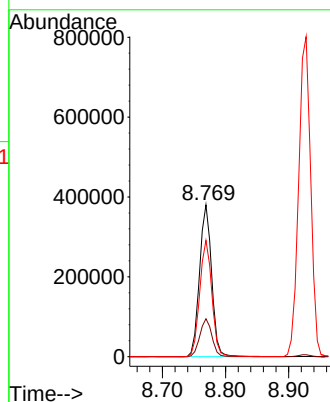
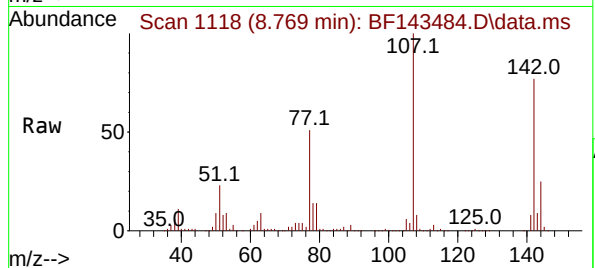
Tgt Ion:107 Resp: 507643

Ion Ratio Lower Upper

107 100

144 25.0 19.9 29.9

142 76.6 61.8 92.8



#37

2-Methylnaphthalene

Concen: 70.116 ng

RT: 8.928 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF143484.D

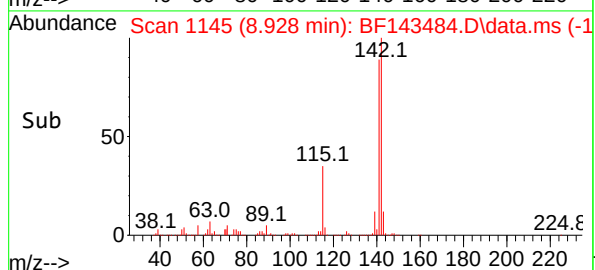
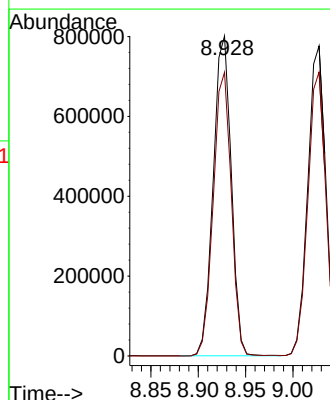
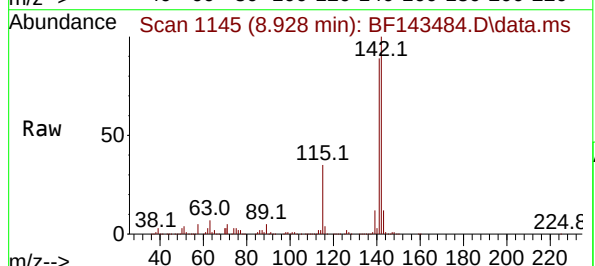
Acq: 20 Aug 2025 14:20

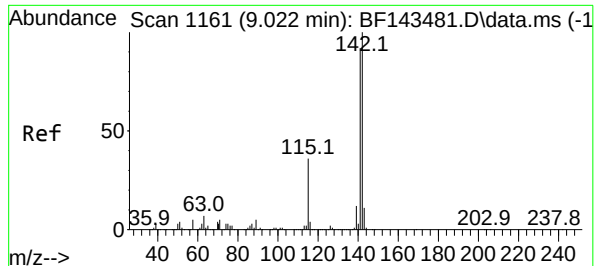
Tgt Ion:142 Resp: 1059150

Ion Ratio Lower Upper

142 100

141 88.6 71.0 106.4

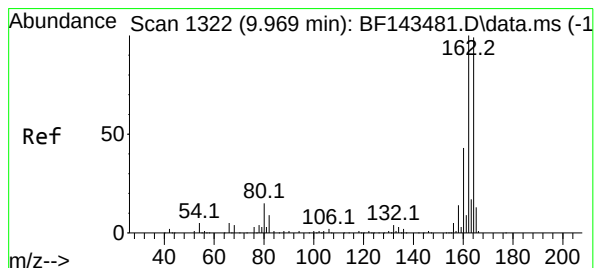
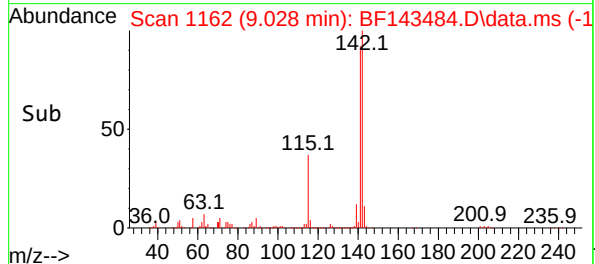
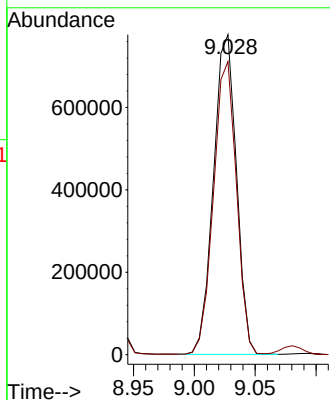
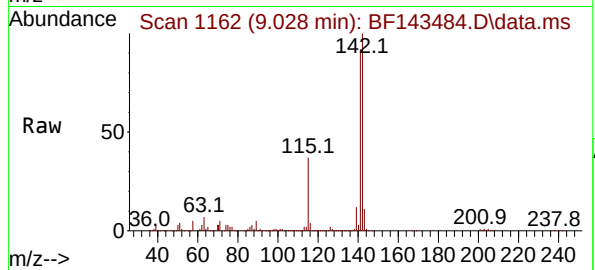




#38
1-Methylnaphthalene
Concen: 70.472 ng
RT: 9.028 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

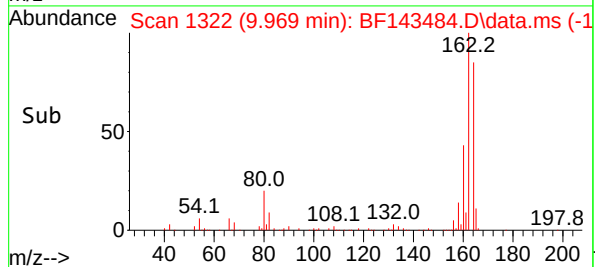
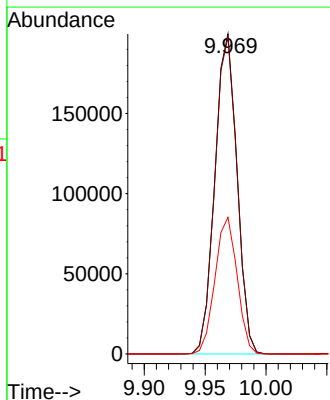
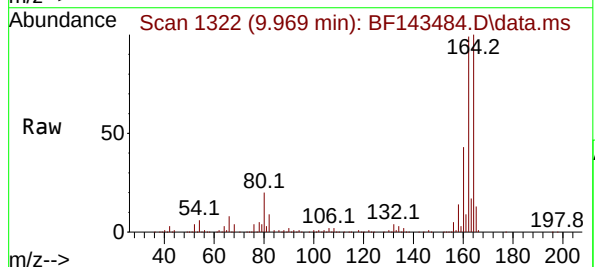
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

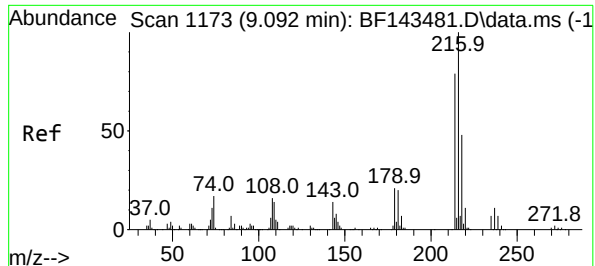
Tgt Ion:142 Resp: 1018285
Ion Ratio Lower Upper
142 100
141 91.6 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:164 Resp: 252899
Ion Ratio Lower Upper
164 100
162 99.1 80.5 120.7
160 42.7 34.3 51.5





#40

1,2,4,5-Tetrachlorobenzene

Concen: 72.341 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:216 Resp: 523305

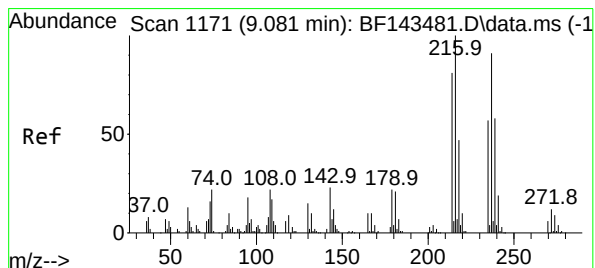
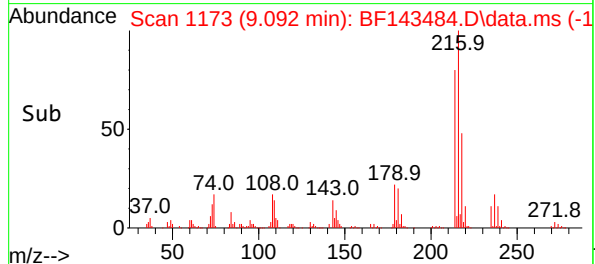
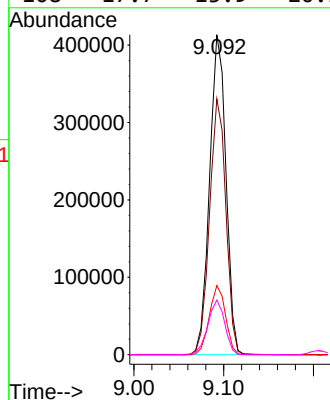
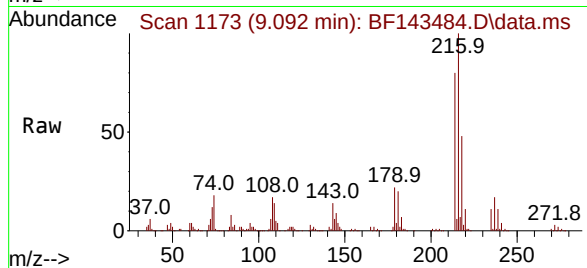
Ion Ratio Lower Upper

216 100

214 80.0 63.4 95.0

179 21.4 16.5 24.7

108 17.7 13.9 20.9



#41

Hexachlorocyclopentadiene

Concen: 79.823 ng

RT: 9.081 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

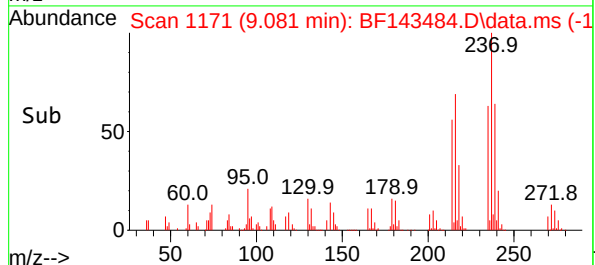
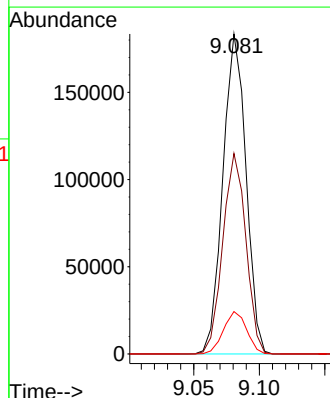
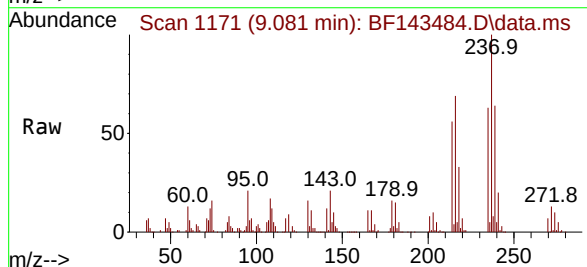
Tgt Ion:237 Resp: 224318

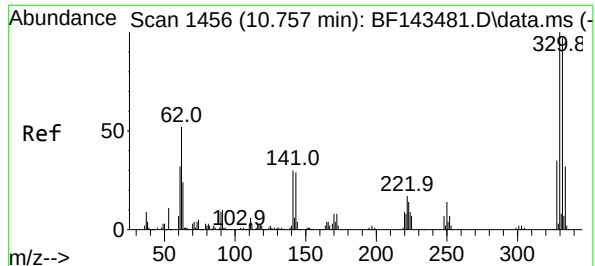
Ion Ratio Lower Upper

237 100

235 62.6 42.6 82.6

272 13.3 0.0 33.4





#42

2,4,6-Tribromophenol

Concen: 152.274 ng

RT: 10.763 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

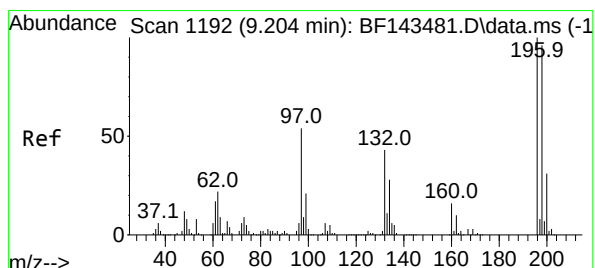
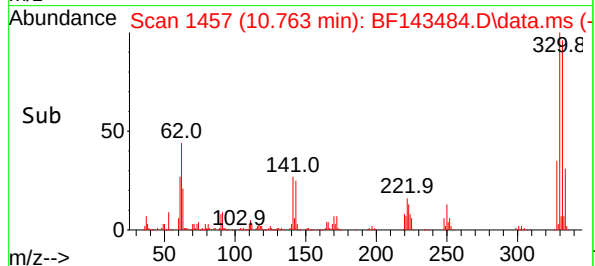
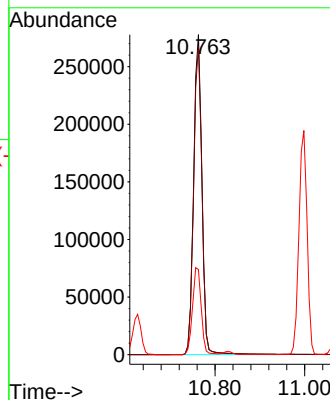
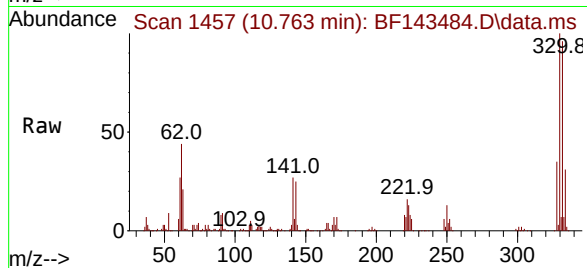
Tgt Ion:330 Resp: 358471

Ion Ratio Lower Upper

330 100

332 96.9 78.0 117.0

141 28.6 23.7 35.5



#43

2,4,6-Trichlorophenol

Concen: 76.993 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

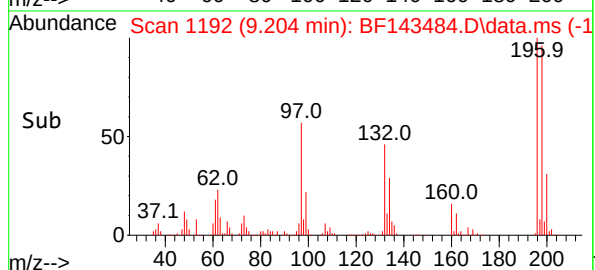
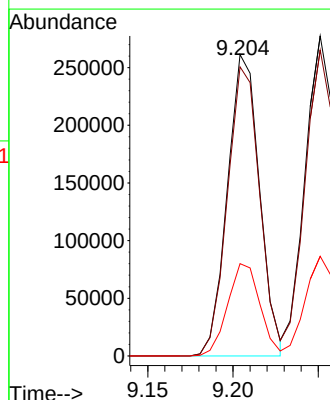
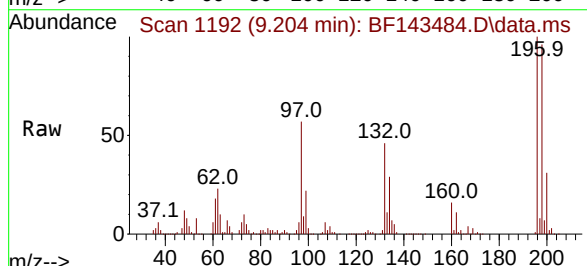
Tgt Ion:196 Resp: 342710

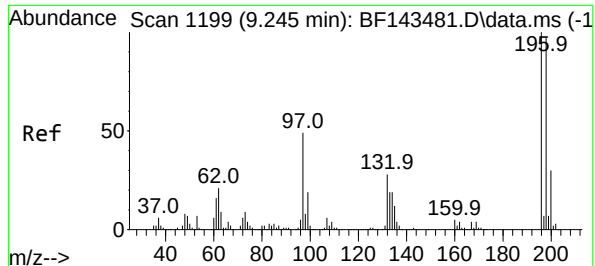
Ion Ratio Lower Upper

196 100

198 95.9 77.0 115.4

200 30.6 24.6 37.0





#44

2,4,5-Trichlorophenol

Concen: 75.999 ng

RT: 9.251 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:196 Resp: 369517

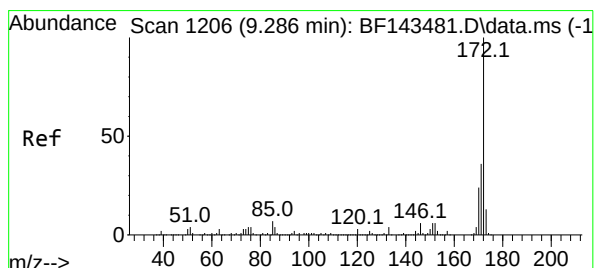
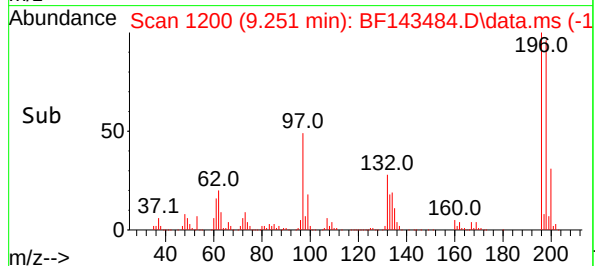
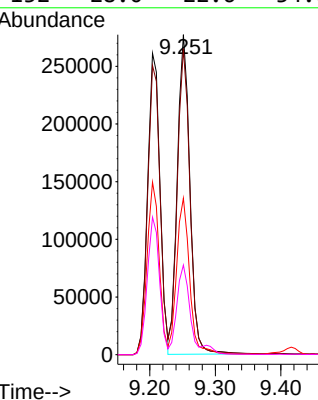
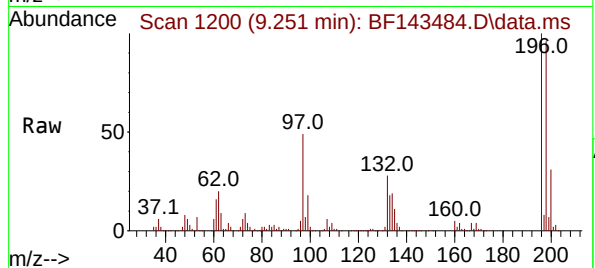
Ion Ratio Lower Upper

196 100

198 95.6 77.3 115.9

97 48.9 40.0 60.0

132 28.0 22.6 34.0



#45

2-Fluorobiphenyl

Concen: 132.140 ng

RT: 9.286 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

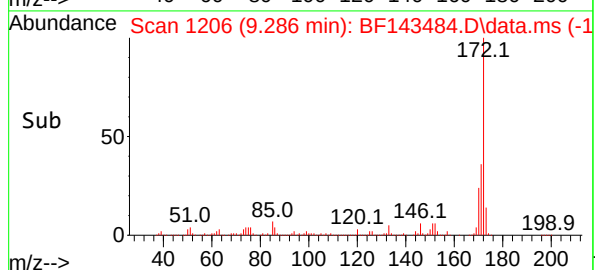
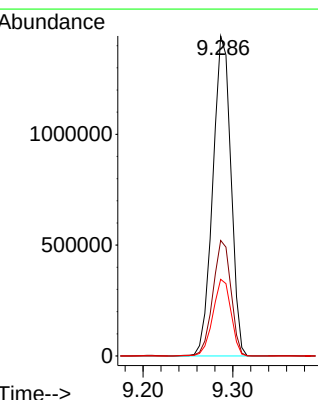
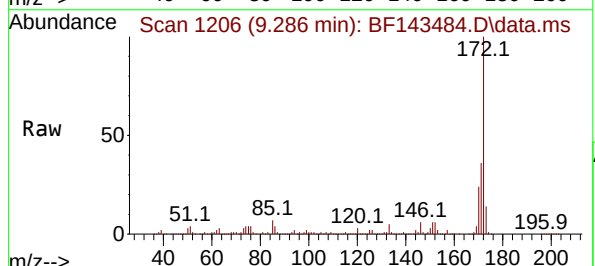
Tgt Ion:172 Resp: 2022059

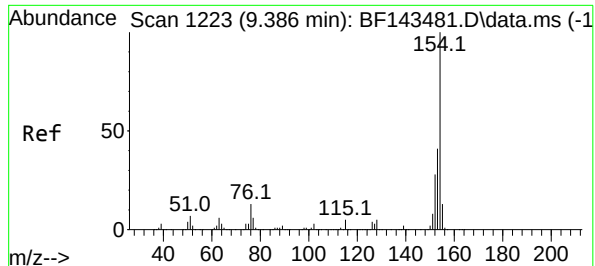
Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 24.0 18.8 28.2

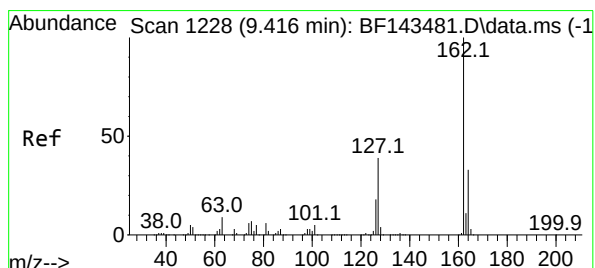
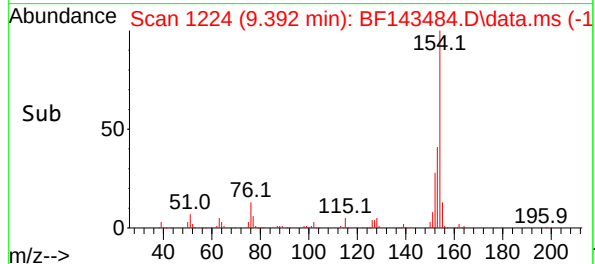
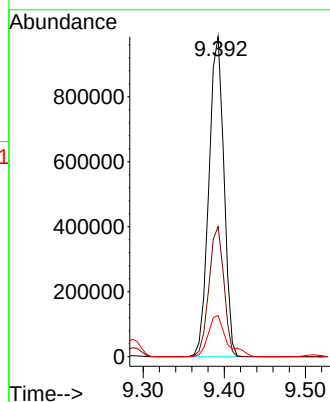
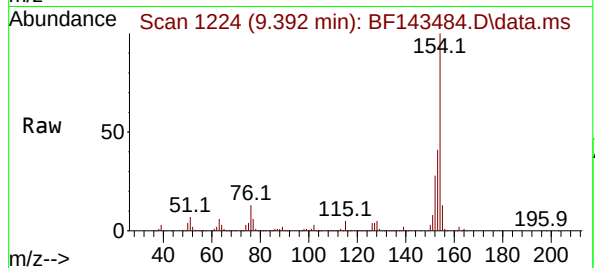




#46
1,1'-Biphenyl
Concen: 70.278 ng
RT: 9.392 min Scan# 1224
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

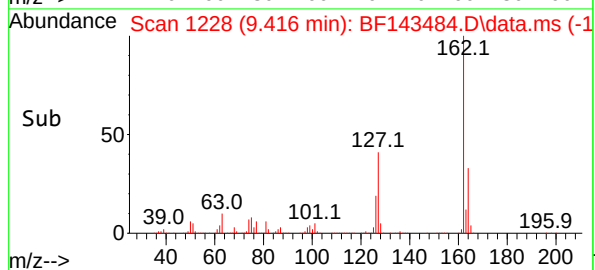
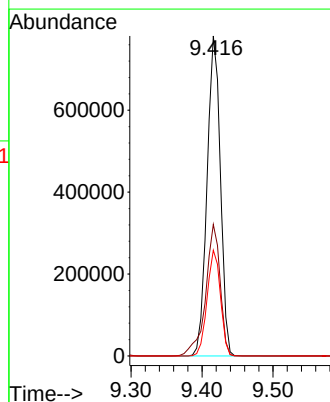
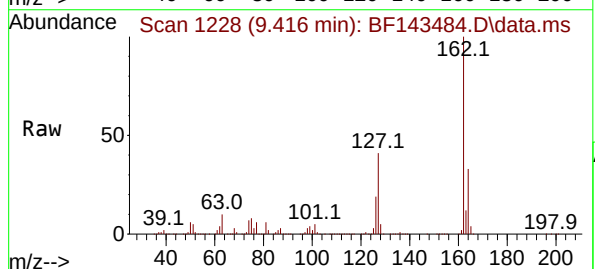
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

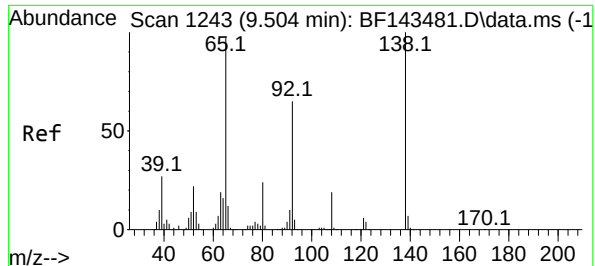
Tgt Ion:154 Resp: 1261514
Ion Ratio Lower Upper
154 100
153 40.7 20.6 60.6
76 12.8 0.0 33.0



#47
2-Chloronaphthalene
Concen: 72.427 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:162 Resp: 1020070
Ion Ratio Lower Upper
162 100
127 41.1 31.8 47.6
164 33.1 26.4 39.6





#48

2-Nitroaniline

Concen: 78.529 ng

RT: 9.510 min Scan# 1244

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

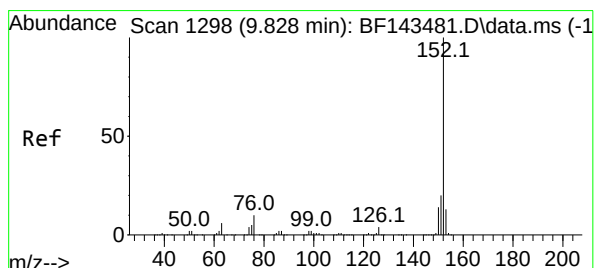
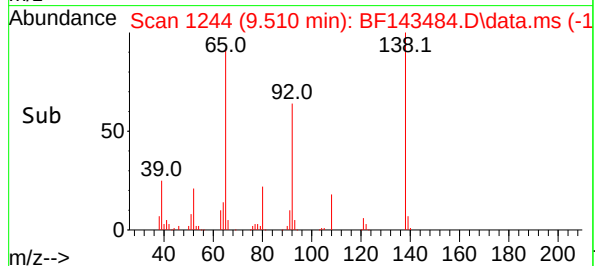
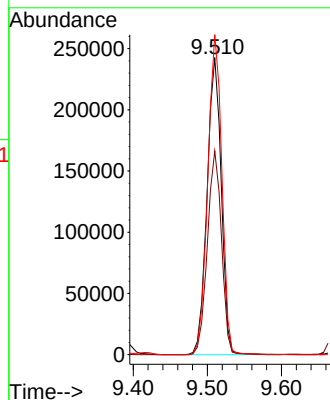
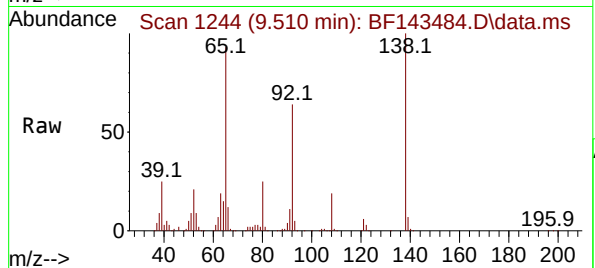
Tgt Ion: 65 Resp: 323688

Ion Ratio Lower Upper

65 100

92 68.6 53.8 80.6

138 107.7 82.4 123.6



#49

Acenaphthylene

Concen: 72.067 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

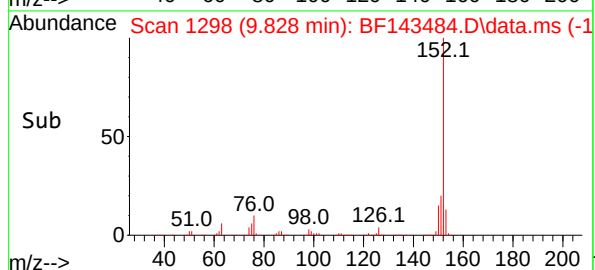
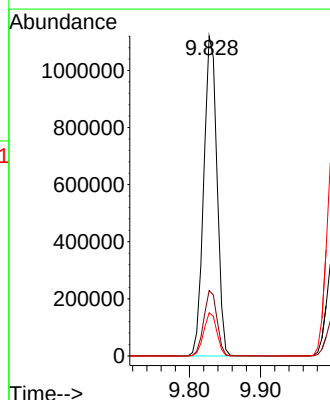
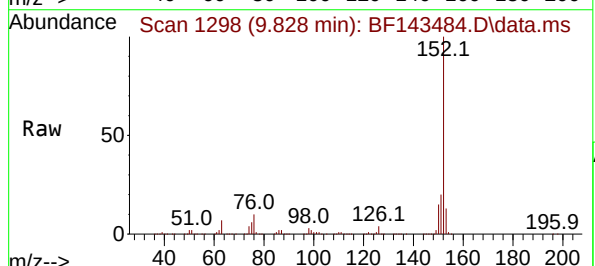
Tgt Ion: 152 Resp: 1453334

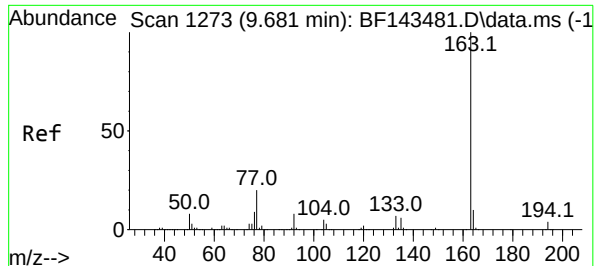
Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

153 13.5 10.6 15.8





#50

Dimethylphthalate

Concen: 75.267 ng

RT: 9.681 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

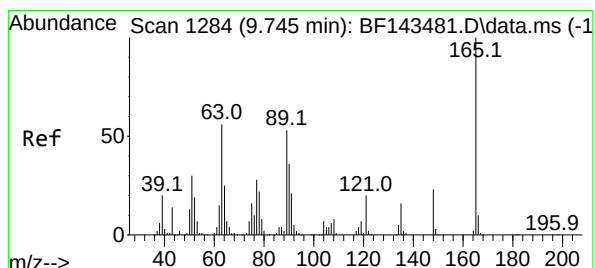
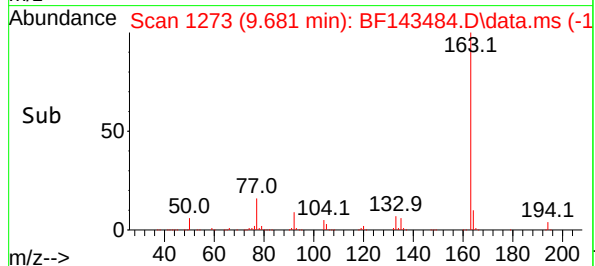
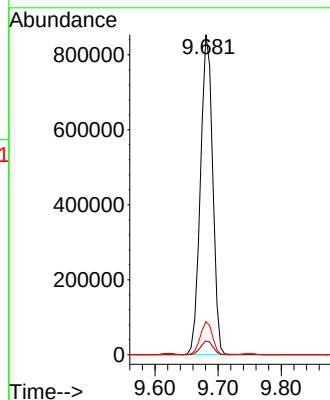
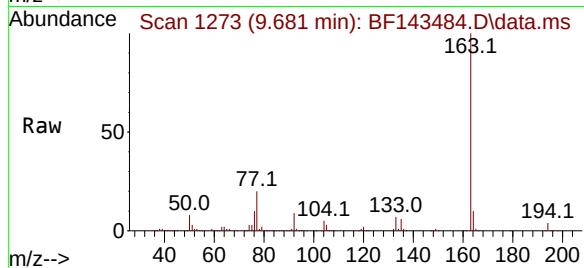
Tgt Ion:163 Resp: 1146434

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.3 8.2 12.2



#51

2,6-Dinitrotoluene

Concen: 80.559 ng

RT: 9.751 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

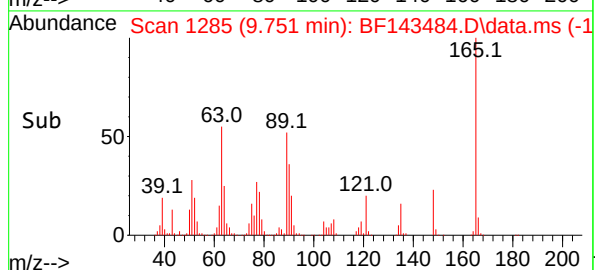
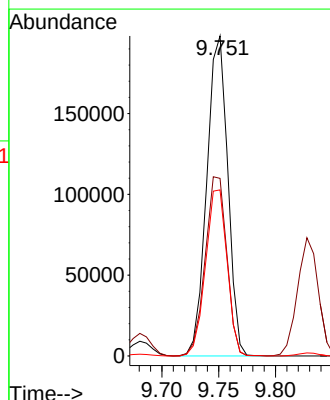
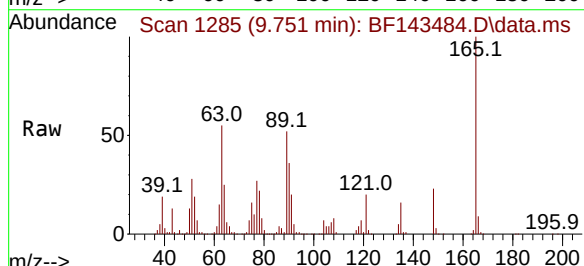
Tgt Ion:165 Resp: 254308

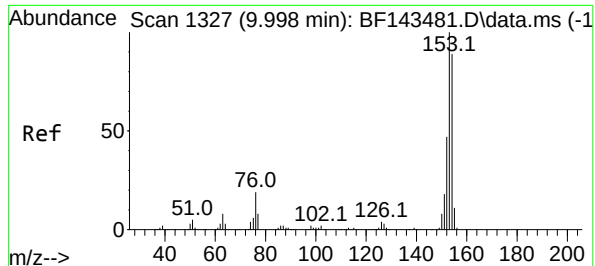
Ion Ratio Lower Upper

165 100

63 55.5 45.0 67.6

89 51.9 42.5 63.7





#52

Acenaphthene

Concen: 72.761 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

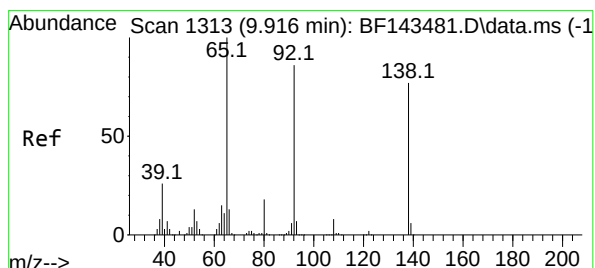
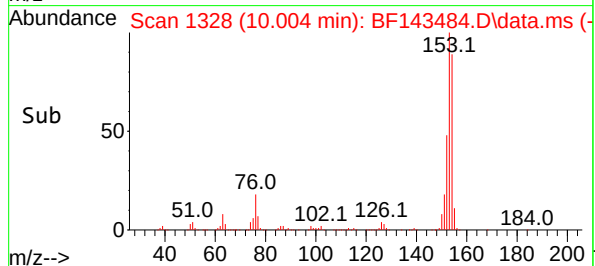
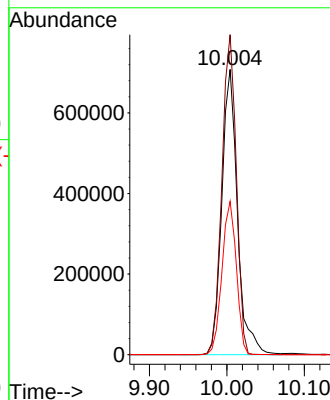
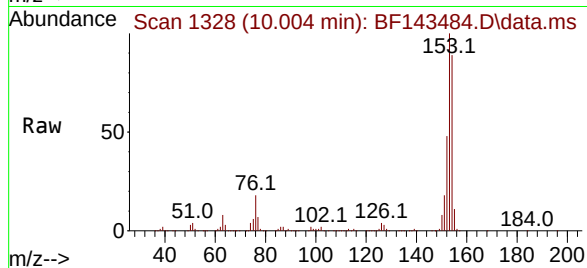
Tgt Ion:154 Resp: 996259

Ion Ratio Lower Upper

154 100

153 112.2 89.5 134.3

152 53.7 42.5 63.7



#53

3-Nitroaniline

Concen: 79.912 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

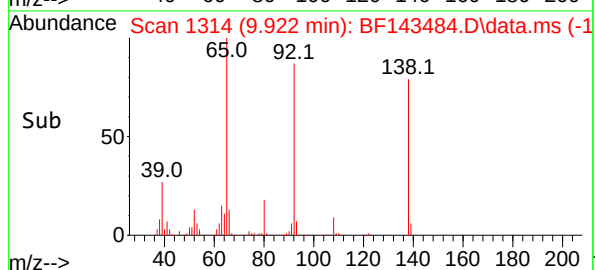
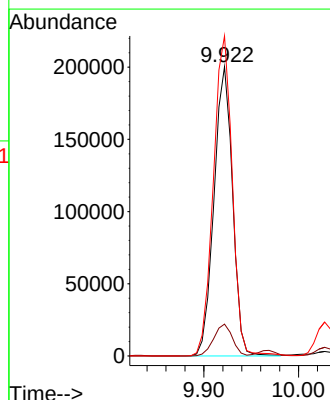
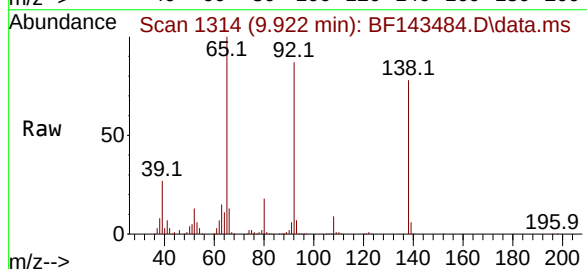
Tgt Ion:138 Resp: 272588

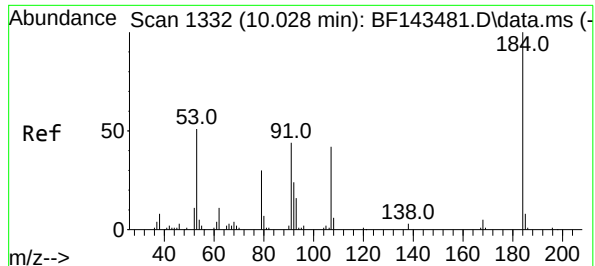
Ion Ratio Lower Upper

138 100

108 11.0 8.6 13.0

92 110.6 89.8 134.8

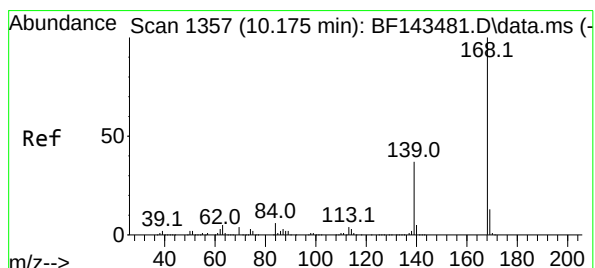
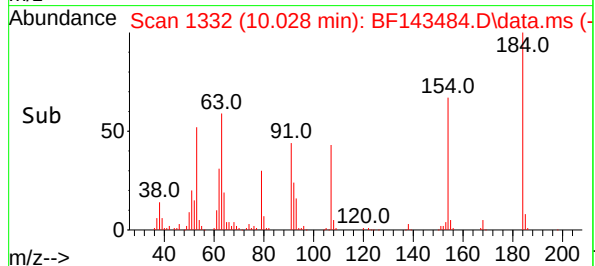
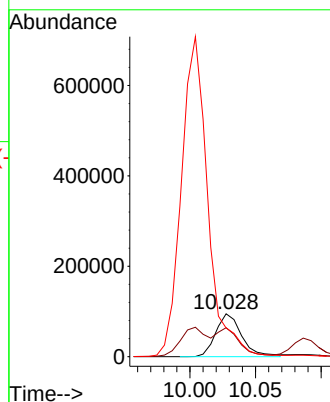
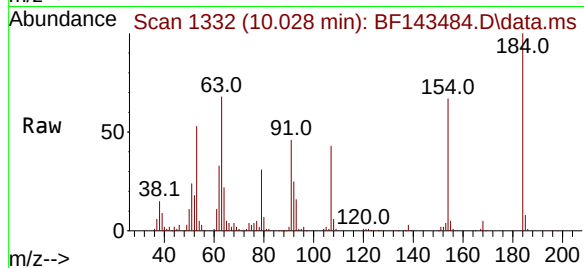




#54
2,4-Dinitrophenol
Concen: 77.416 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

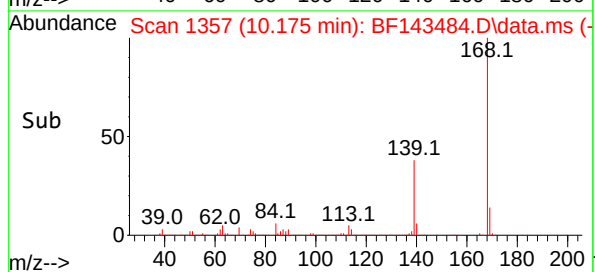
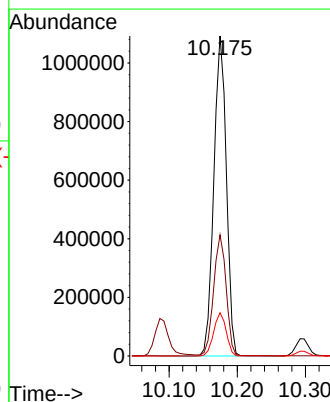
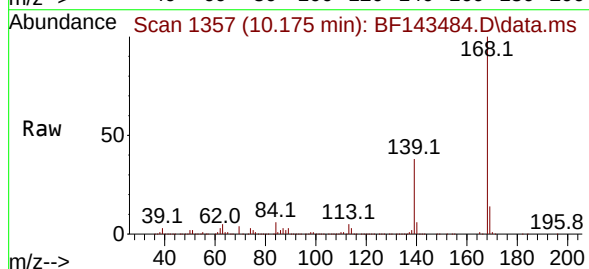
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

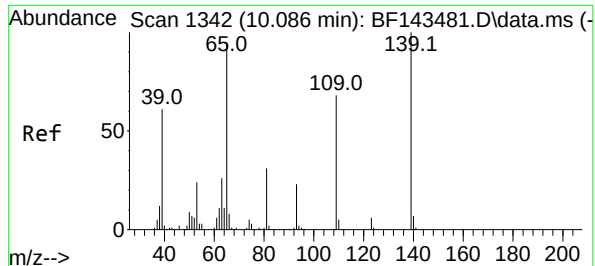
Tgt Ion:184 Resp: 130385
Ion Ratio Lower Upper
184 100
63 67.6 52.6 78.8
154 67.0 51.0 76.4



#55
Dibenzofuran
Concen: 71.547 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:168 Resp: 1396682
Ion Ratio Lower Upper
168 100
139 37.9 29.8 44.6
169 13.5 10.8 16.2





#56

4-Nitrophenol

Concen: 90.356 ng

RT: 10.086 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

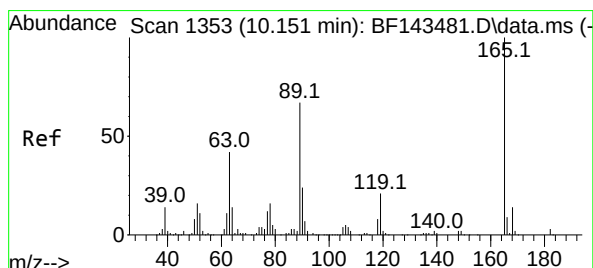
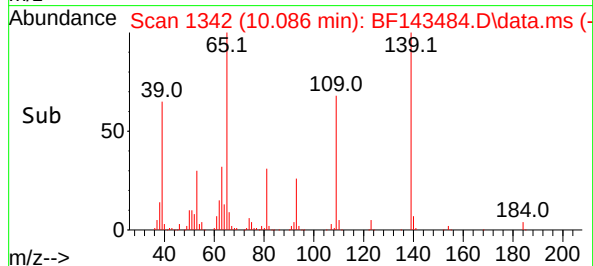
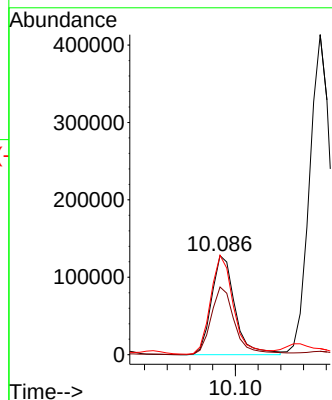
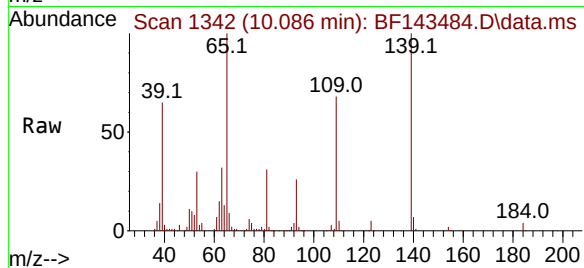
Tgt Ion:139 Resp: 183388

Ion Ratio Lower Upper

139 100

109 68.3 48.2 88.2

65 100.2 75.8 115.8



#57

2,4-Dinitrotoluene

Concen: 80.619 ng

RT: 10.157 min Scan# 1354

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Tgt Ion:165 Resp: 339818

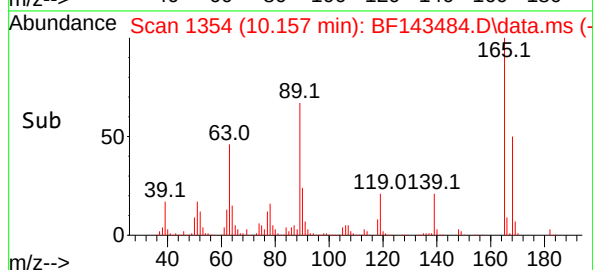
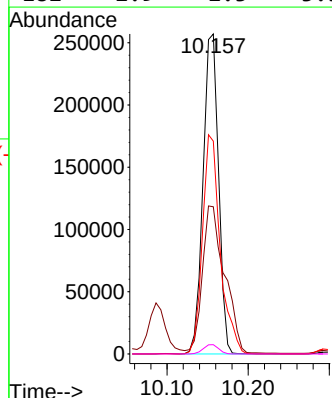
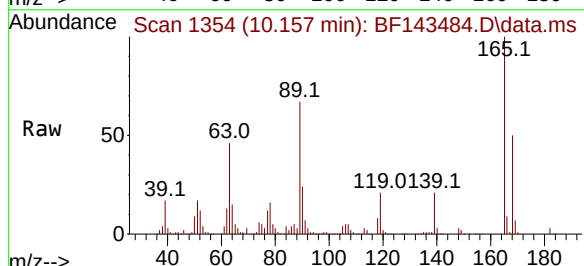
Ion Ratio Lower Upper

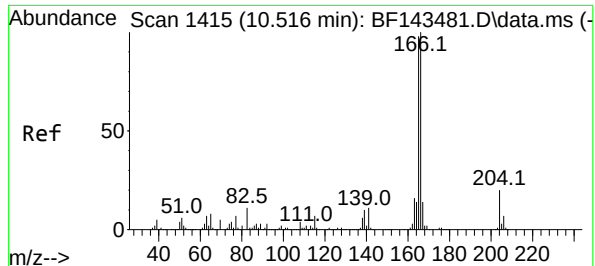
165 100

63 46.0 34.9 52.3

89 66.5 53.3 79.9

182 2.9 2.3 3.5





#58

Fluorene

Concen: 68.995 ng

RT: 10.522 min Scan# 1415

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC080

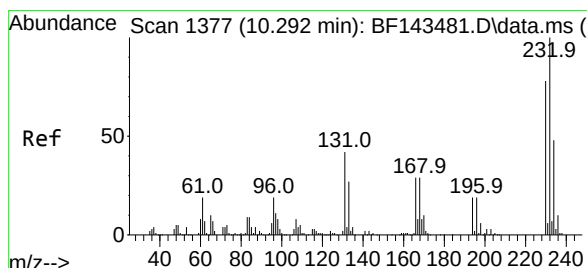
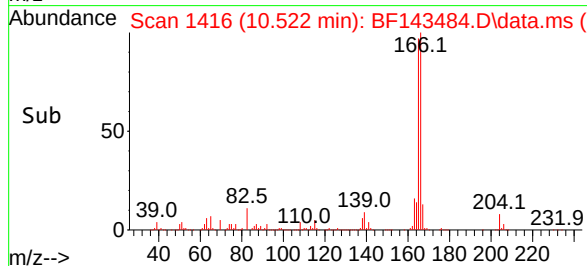
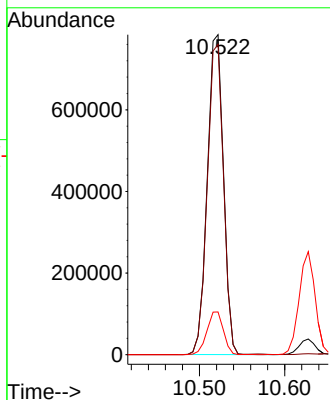
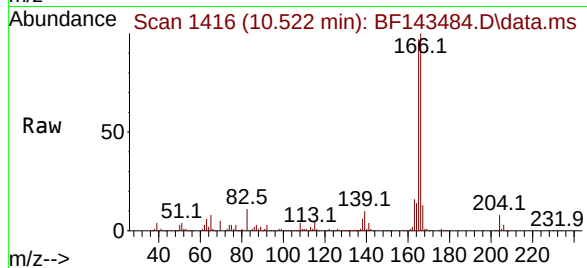
Tgt Ion:166 Resp: 1036620

Ion Ratio Lower Upper

166 100

165 96.9 78.3 117.5

167 13.3 11.0 16.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 80.607 ng

RT: 10.298 min Scan# 1378

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Tgt Ion:232 Resp: 291172

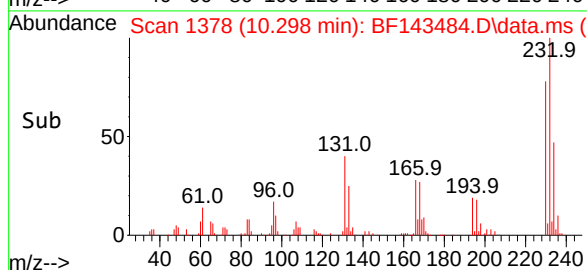
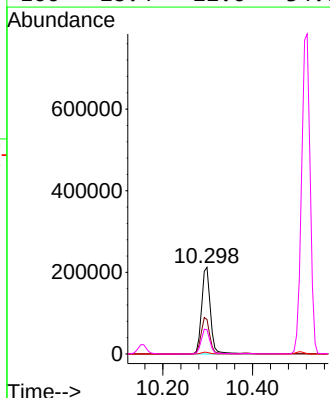
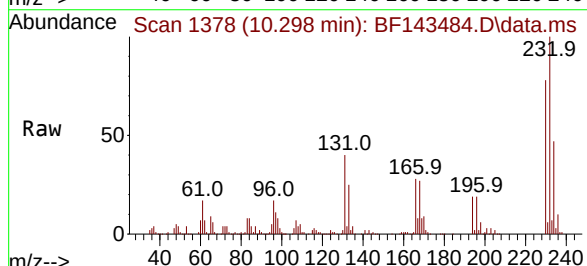
Ion Ratio Lower Upper

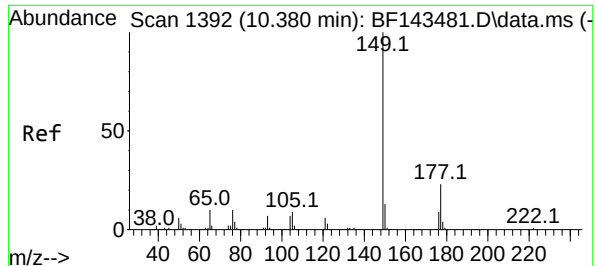
232 100

131 41.1 32.7 49.1

130 1.9 1.6 2.4

166 28.4 22.6 34.0





#60

Diethylphthalate

Concen: 74.653 ng

RT: 10.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

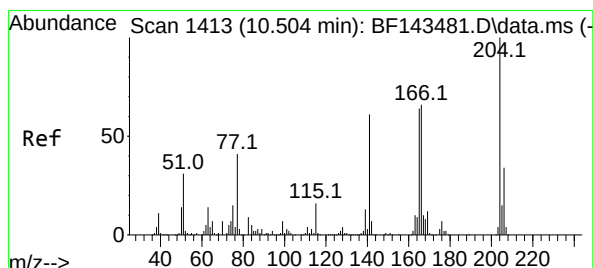
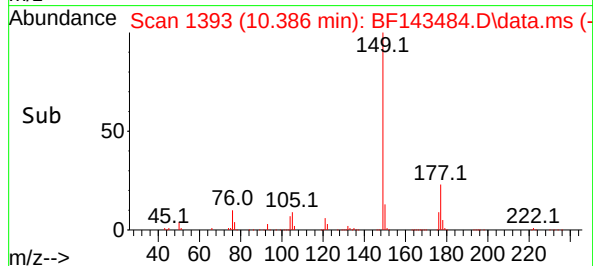
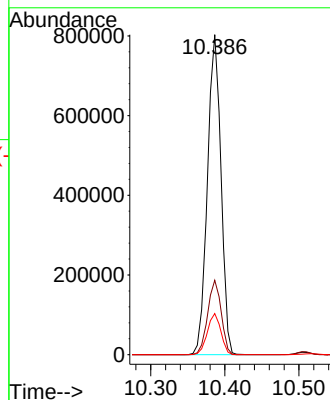
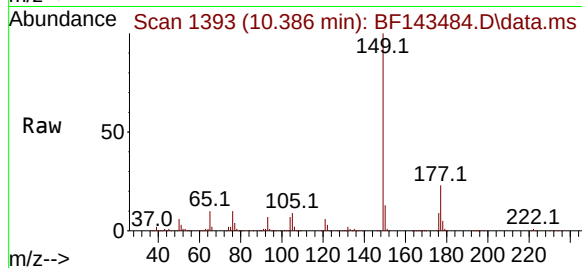
Tgt Ion:149 Resp: 1019464

Ion Ratio Lower Upper

149 100

177 23.2 18.3 27.5

150 12.9 10.3 15.5



#61

4-Chlorophenyl-phenylether

Concen: 70.930 ng

RT: 10.504 min Scan# 1413

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

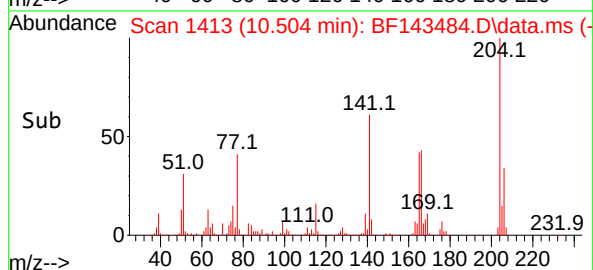
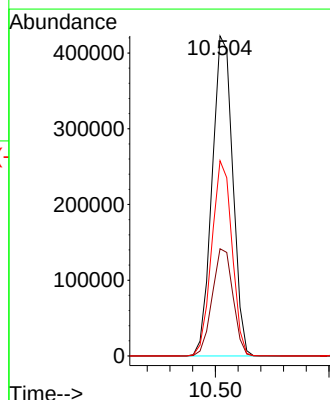
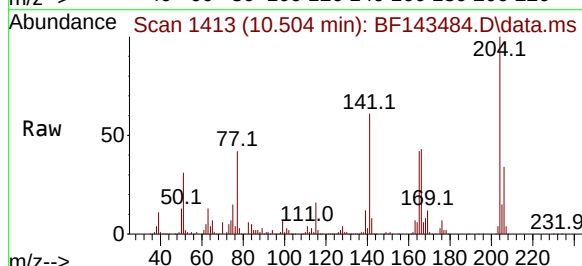
Tgt Ion:204 Resp: 532970

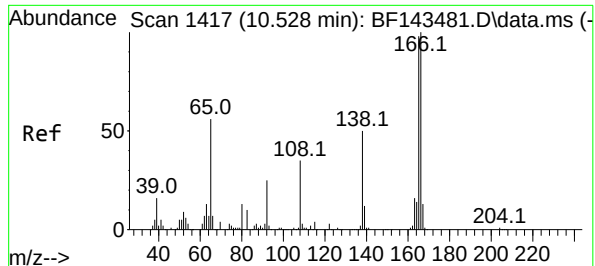
Ion Ratio Lower Upper

204 100

206 33.5 27.0 40.4

141 61.0 48.7 73.1





#62

4-Nitroaniline

Concen: 80.815 ng

RT: 10.539 min Scan# 1419

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

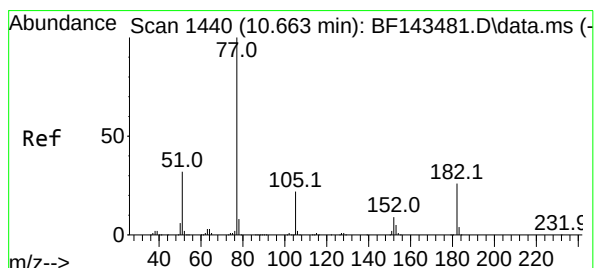
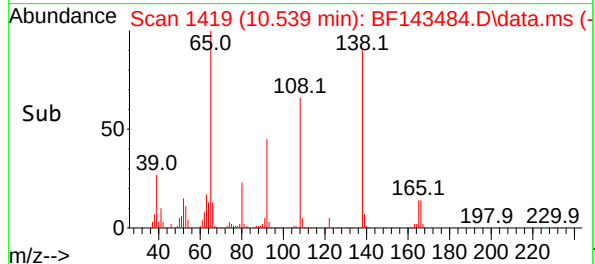
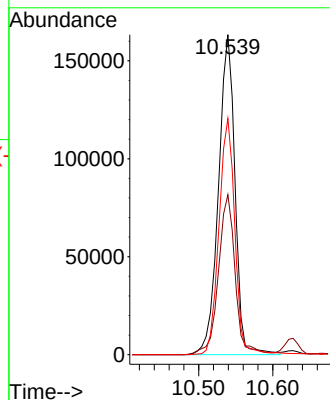
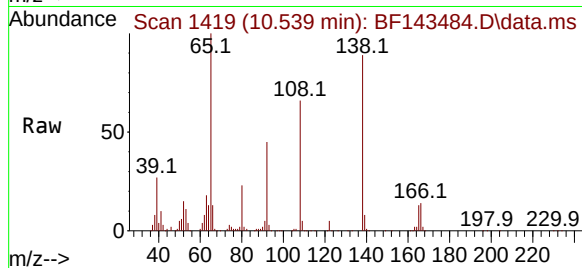
Tgt Ion:138 Resp: 253207

Ion Ratio Lower Upper

138 100

92 50.0 29.3 69.3

108 73.8 50.7 90.7



#63

Azobenzene

Concen: 72.699 ng

RT: 10.669 min Scan# 1441

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Tgt Ion: 77 Resp: 1029397

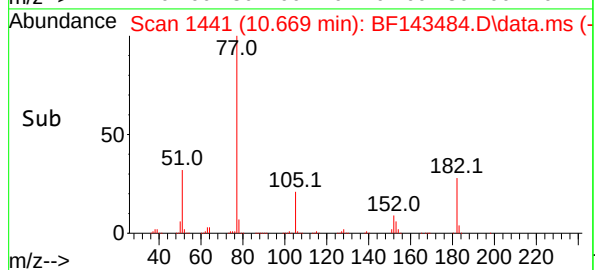
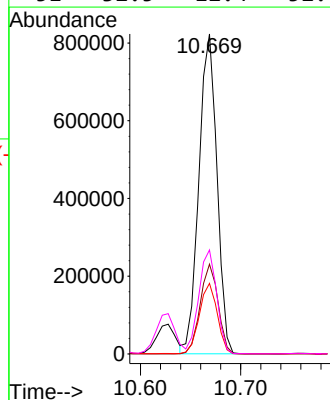
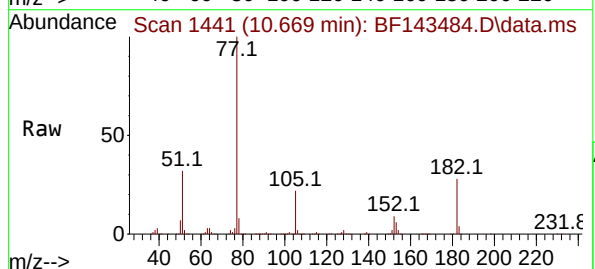
Ion Ratio Lower Upper

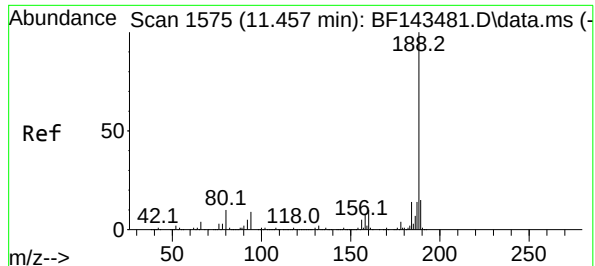
77 100

182 28.1 6.2 46.2

105 22.0 2.2 42.2

51 32.5 12.4 52.4

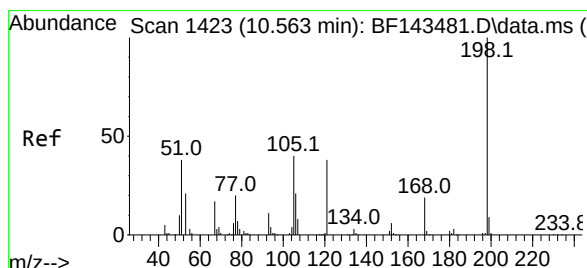
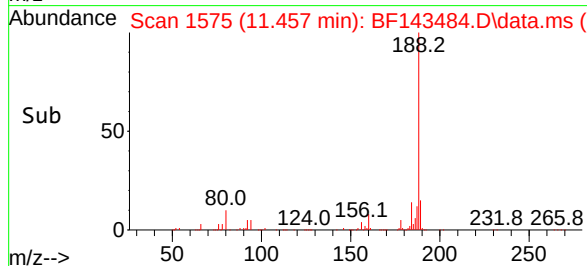
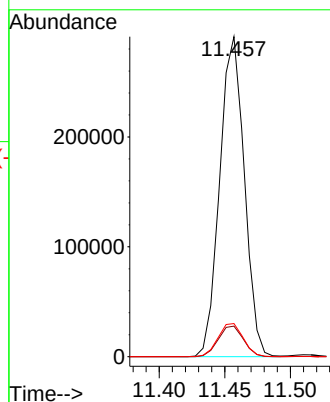
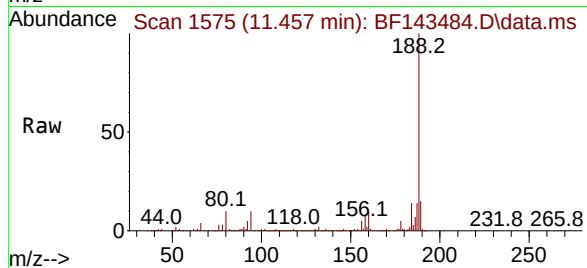




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

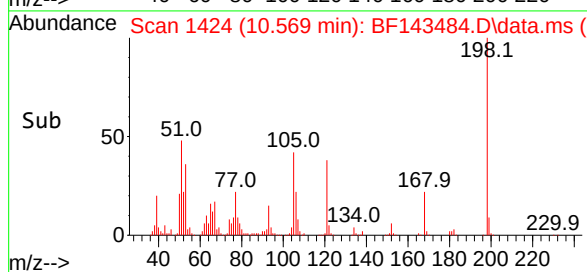
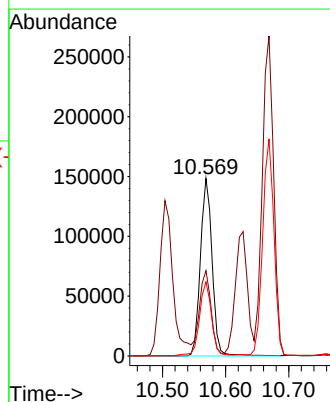
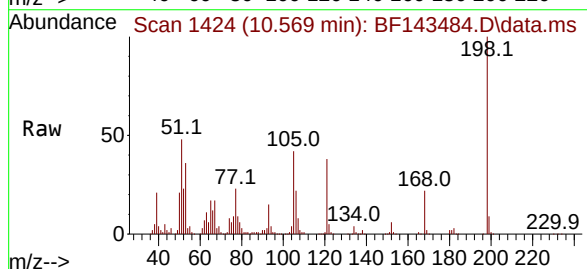
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

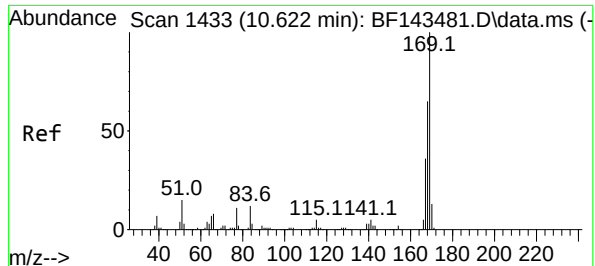
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.4	11.2
80	10.3	8.2	12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 89.041 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion	Ratio	Lower	Upper
198	100		
51	48.1	29.6	69.6
105	41.7	21.5	61.5





#66

n-Nitrosodiphenylamine

Concen: 73.307 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC080

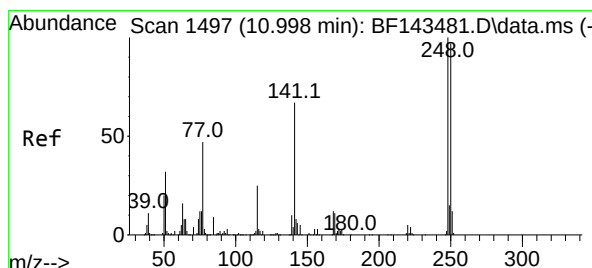
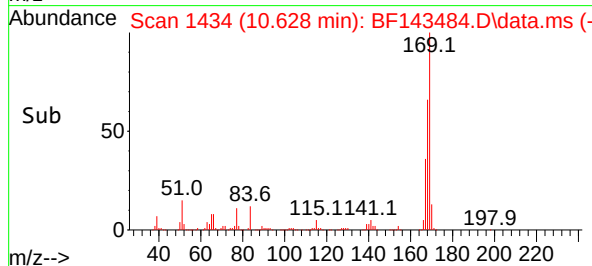
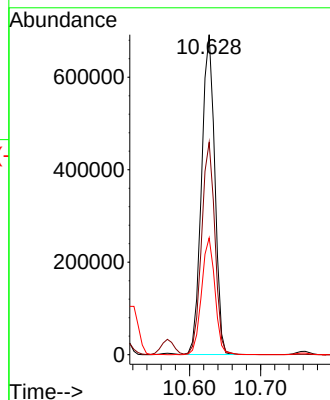
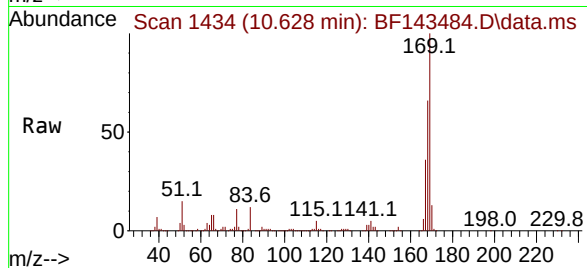
Tgt Ion:169 Resp: 896806

Ion Ratio Lower Upper

169 100

168 66.4 52.4 78.6

167 36.5 28.9 43.3



#67

4-Bromophenyl-phenylether

Concen: 75.979 ng

RT: 10.998 min Scan# 1497

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

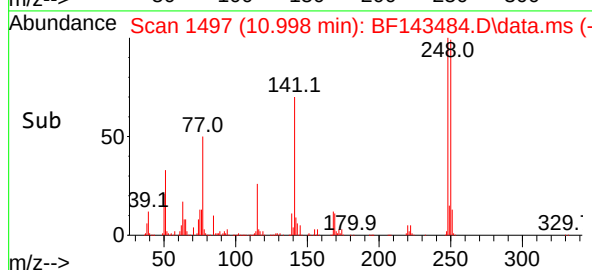
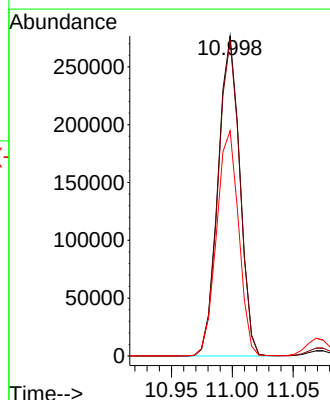
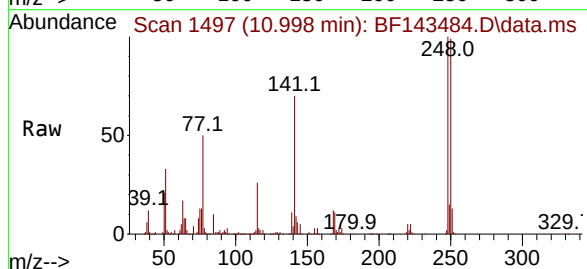
Tgt Ion:248 Resp: 344616

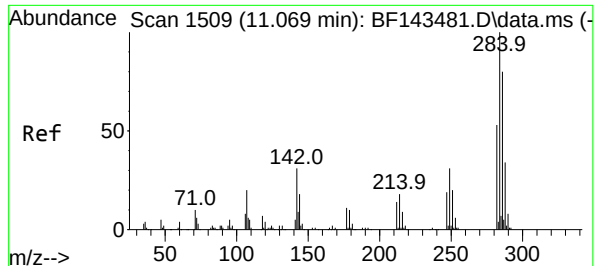
Ion Ratio Lower Upper

248 100

250 98.7 77.8 116.8

141 70.4 54.0 81.0

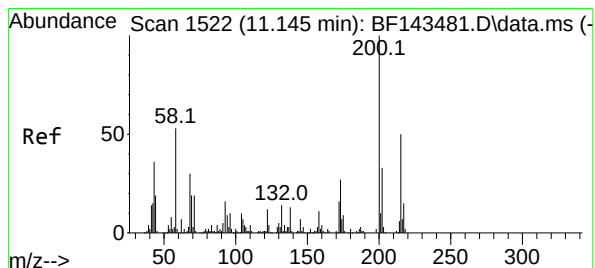
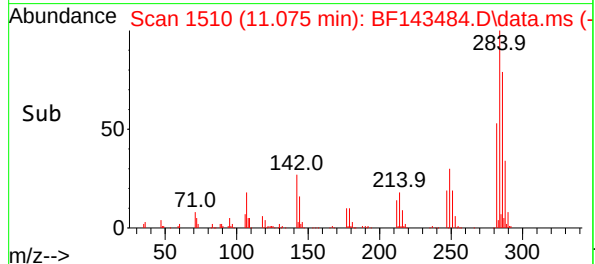
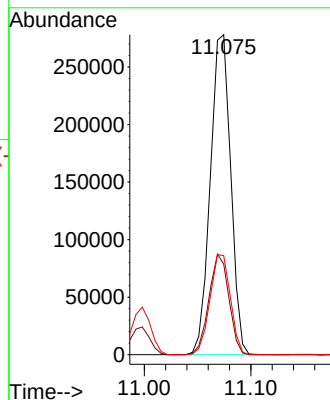
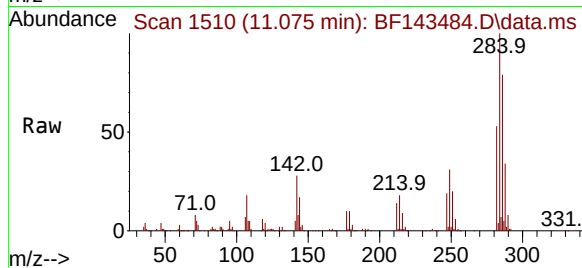




#68
Hexachlorobenzene
Concen: 75.603 ng
RT: 11.075 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

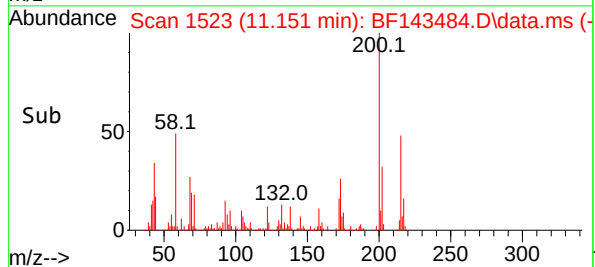
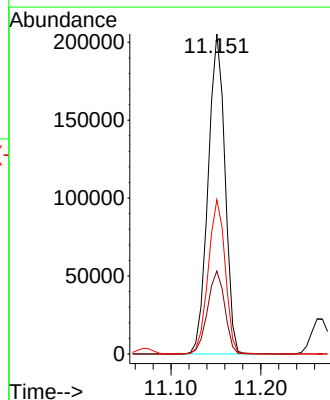
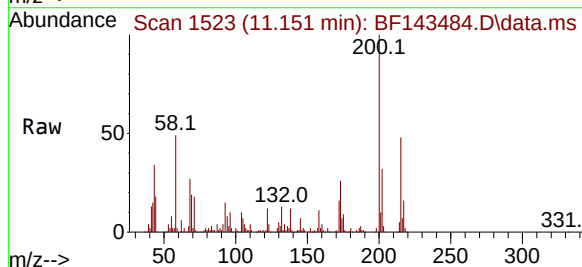
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

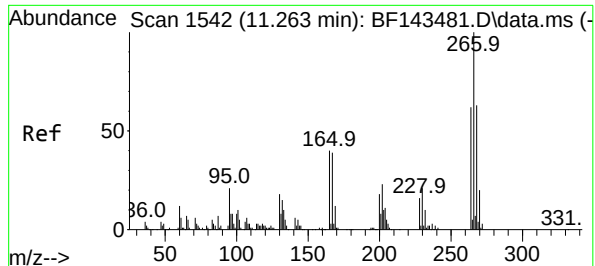
Tgt Ion:284 Resp: 369632
Ion Ratio Lower Upper
284 100
142 28.3 24.4 36.6
249 31.0 25.0 37.6



#69
Atrazine
Concen: 84.774 ng
RT: 11.151 min Scan# 1523
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:200 Resp: 267710
Ion Ratio Lower Upper
200 100
173 25.9 6.9 46.9
215 48.2 30.0 70.0





#70

Pentachlorophenol

Concen: 88.721 ng

RT: 11.269 min Scan# 1542

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

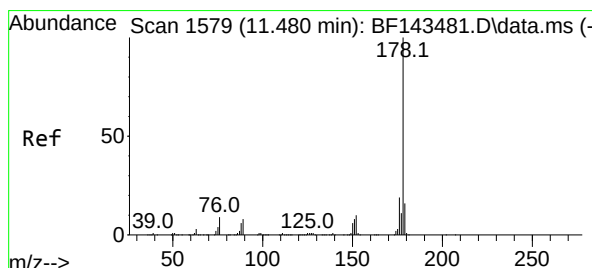
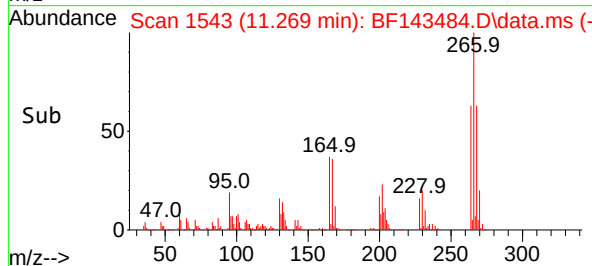
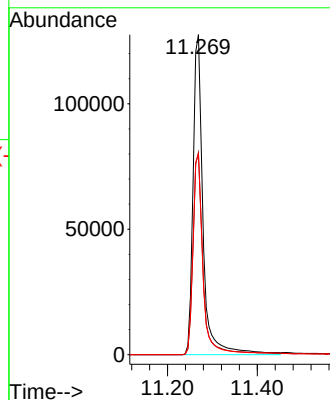
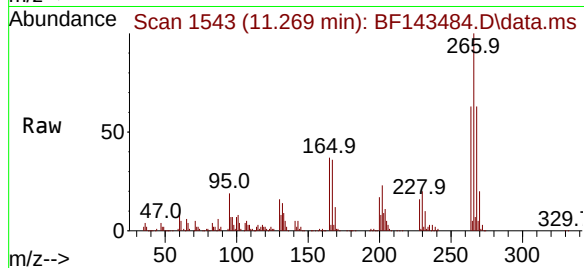
Tgt Ion:266 Resp: 198658

Ion Ratio Lower Upper

266 100

268 63.2 50.5 75.7

264 62.7 49.8 74.8



#71

Phenanthrene

Concen: 72.378 ng

RT: 11.480 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

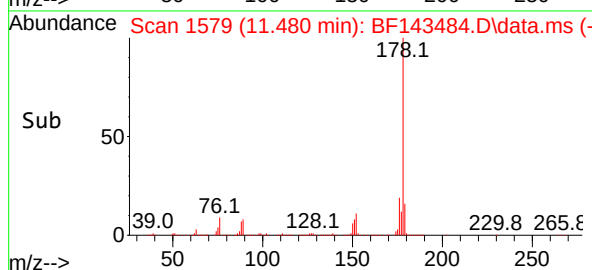
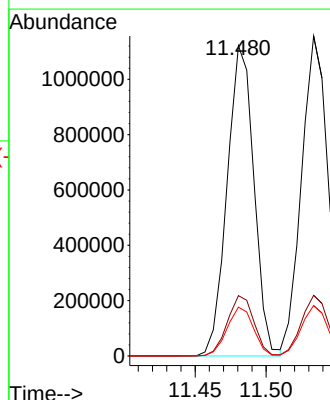
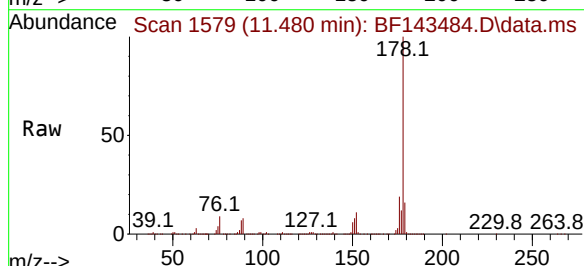
Tgt Ion:178 Resp: 1473414

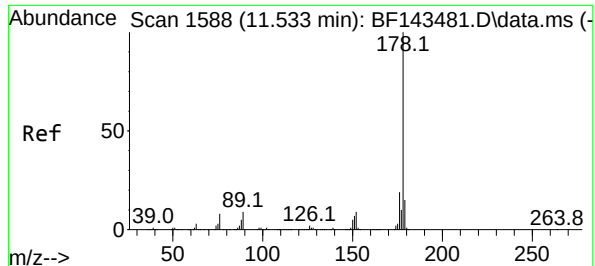
Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.7 12.5 18.7

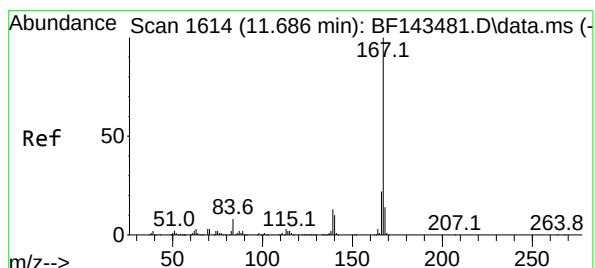
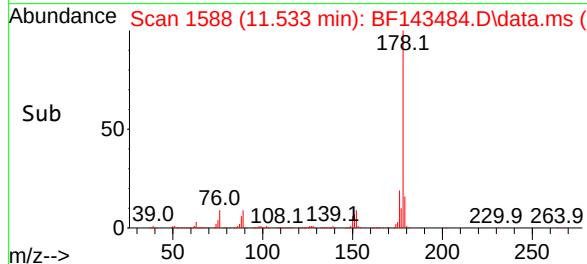
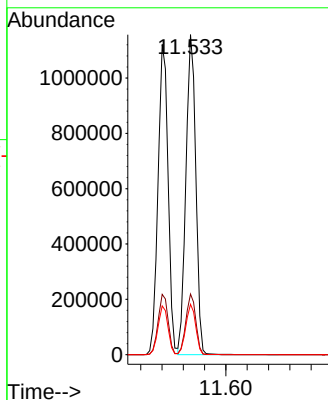
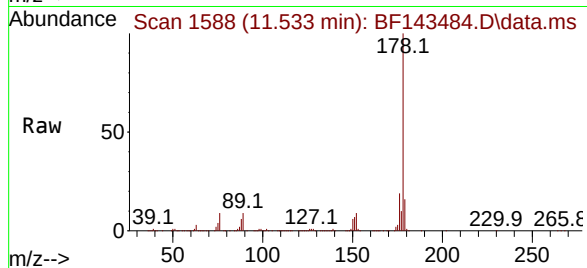




#72
Anthracene
Concen: 72.232 ng
RT: 11.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

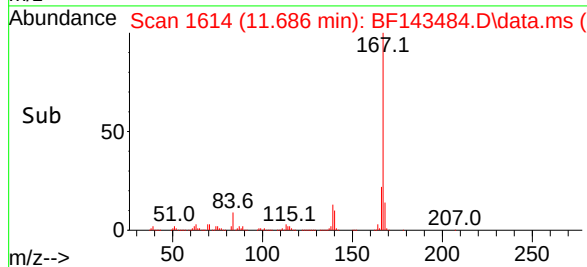
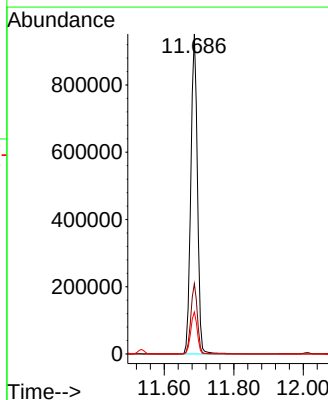
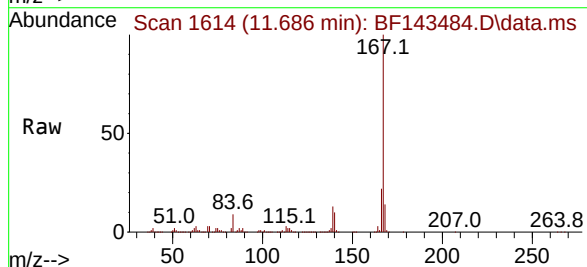
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

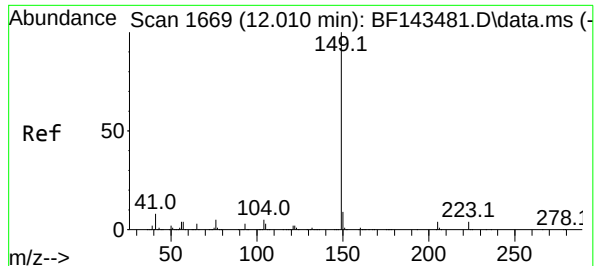
Tgt Ion:178 Resp: 1489612
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.4
179 15.7 12.3 18.5



#73
Carbazole
Concen: 74.240 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:167 Resp: 1254509
Ion Ratio Lower Upper
167 100
166 21.9 17.3 25.9
139 13.1 10.0 15.0

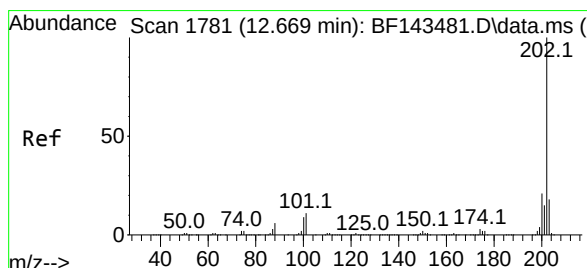
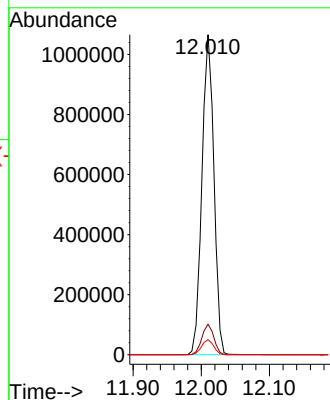
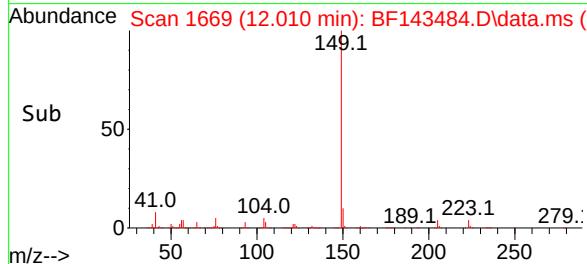
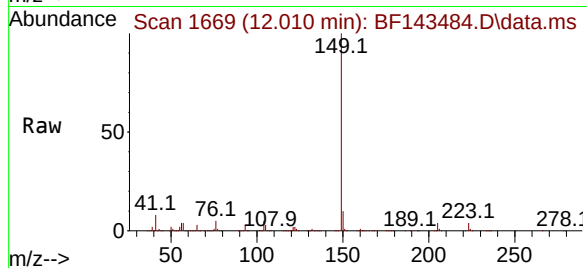




#74
Di-n-butylphthalate
Concen: 82.429 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

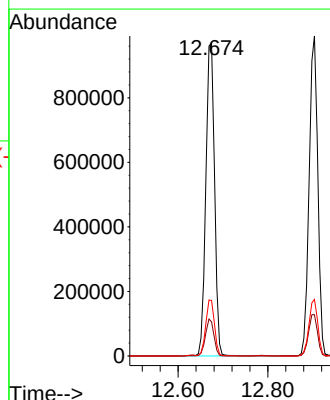
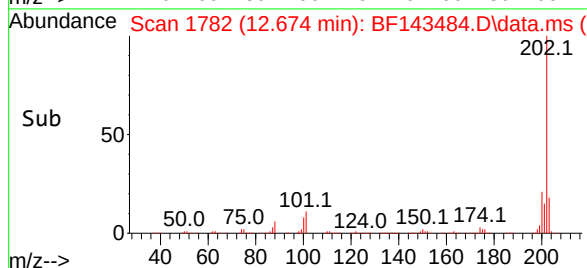
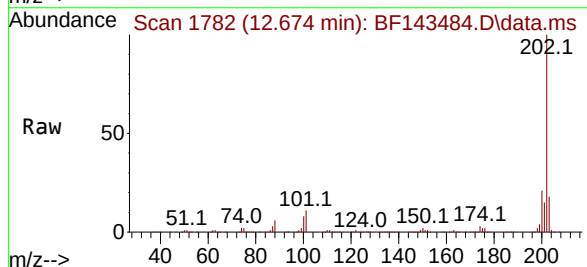
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

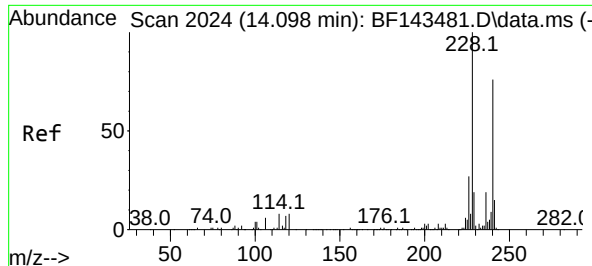
Tgt Ion:149 Resp: 1299399
Ion Ratio Lower Upper
149 100
150 9.5 7.2 10.8
104 4.7 3.6 5.4



#75
Fluoranthene
Concen: 71.750 ng
RT: 12.674 min Scan# 1782
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:202 Resp: 1310616
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.3
203 17.8 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.104 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143484.D

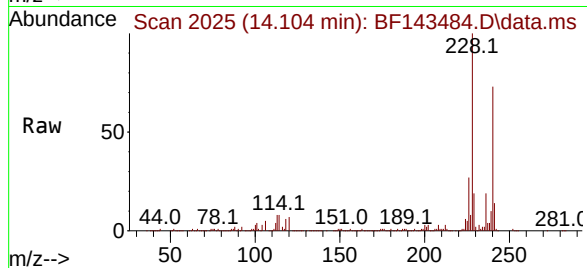
Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



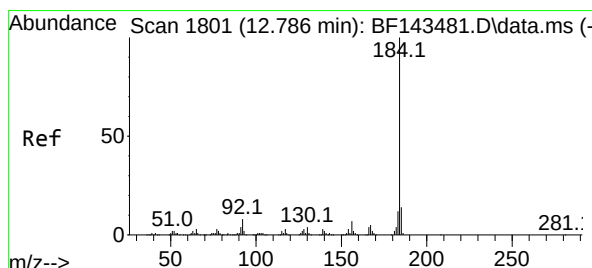
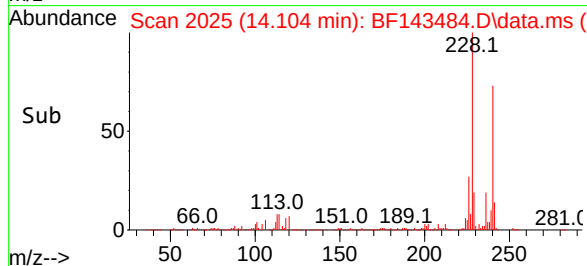
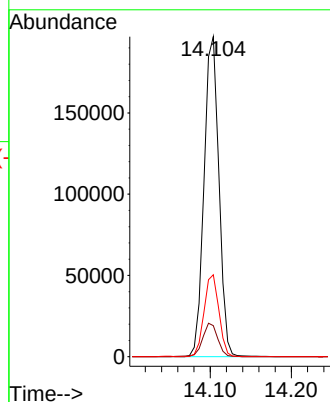
Tgt Ion:240 Resp: 250059

Ion Ratio Lower Upper

240 100

120 9.7 8.6 12.8

236 25.6 20.4 30.6



#77

Benzidine

Concen: 61.042 ng

RT: 12.786 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

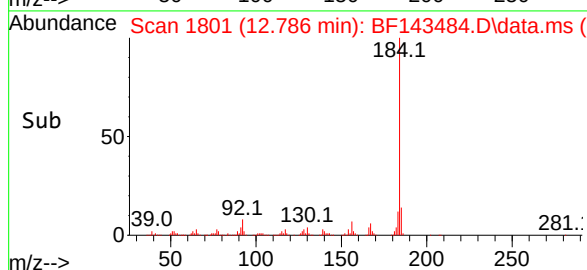
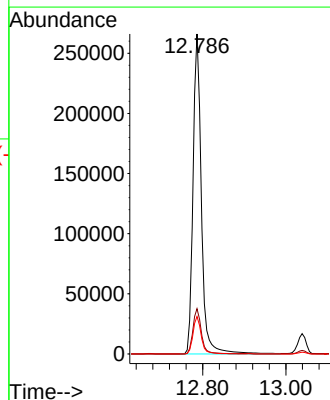
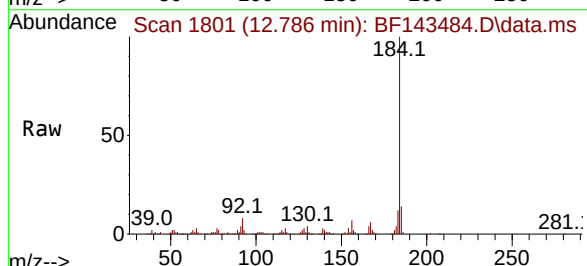
Tgt Ion:184 Resp: 371810

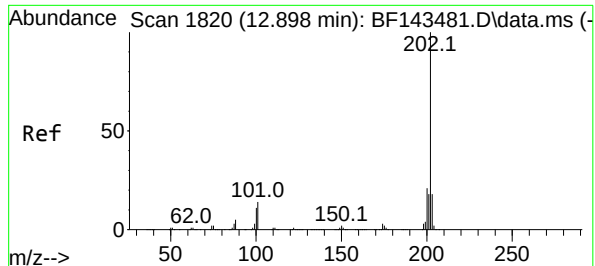
Ion Ratio Lower Upper

184 100

185 14.2 11.3 16.9

183 11.7 9.5 14.3





#78

Pyrene

Concen: 64.536 ng

RT: 12.904 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

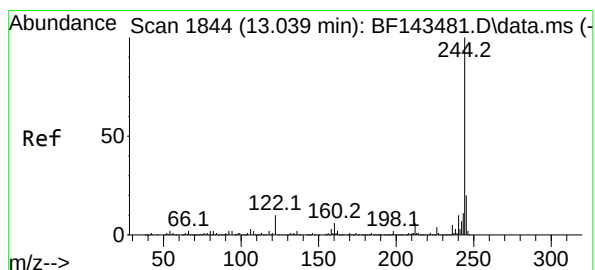
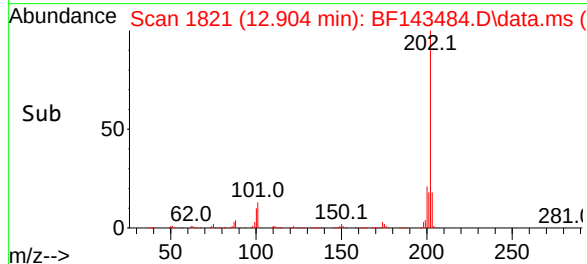
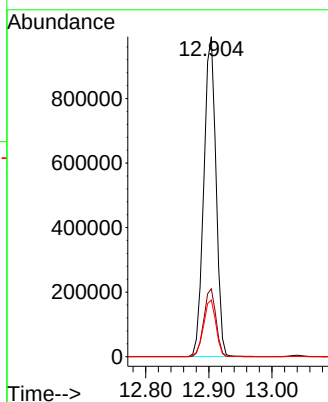
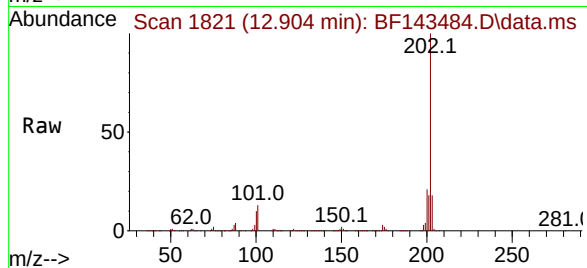
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:202 Resp: 1327454

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.3	21.5



#79

Terphenyl-d14

Concen: 126.204 ng

RT: 13.039 min Scan# 1844

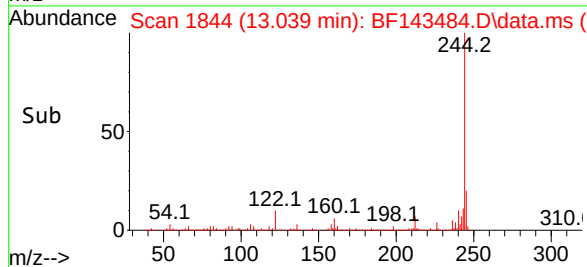
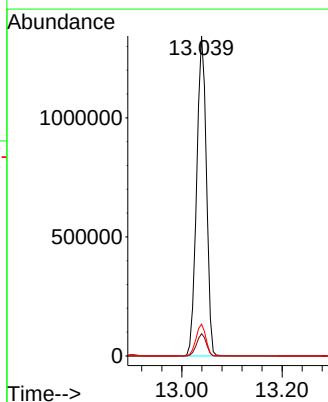
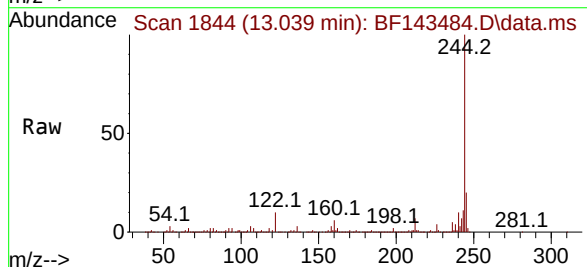
Delta R.T. 0.000 min

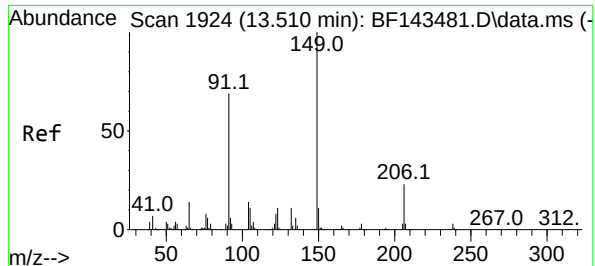
Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Tgt Ion:244 Resp: 1808474

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.2	7.8
122	9.9	7.9	11.9





#80

Butylbenzylphthalate

Concen: 86.247 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

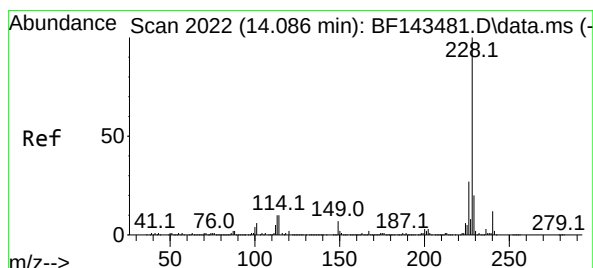
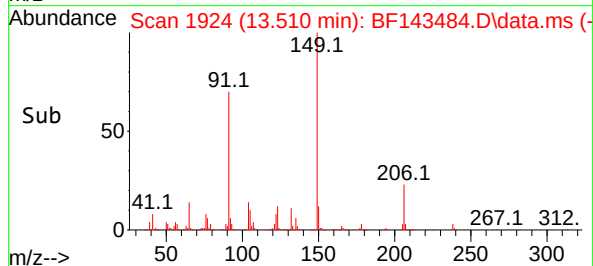
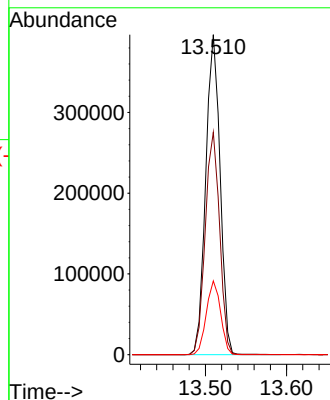
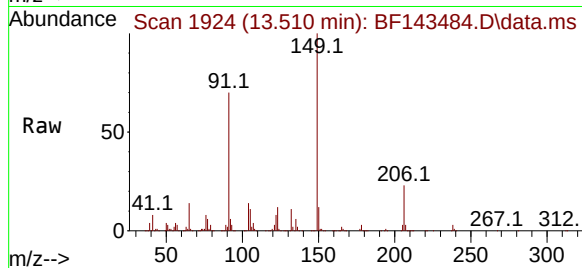
Tgt Ion:149 Resp: 484637

Ion Ratio Lower Upper

149 100

91 69.5 55.3 82.9

206 23.0 18.2 27.4



#81

Benzo(a)anthracene

Concen: 76.847 ng

RT: 14.092 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

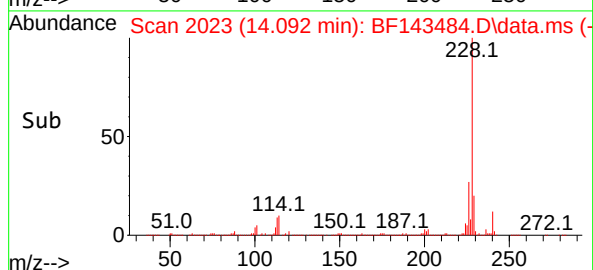
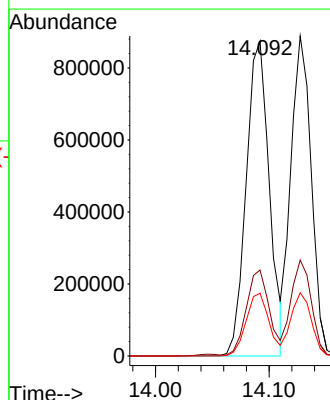
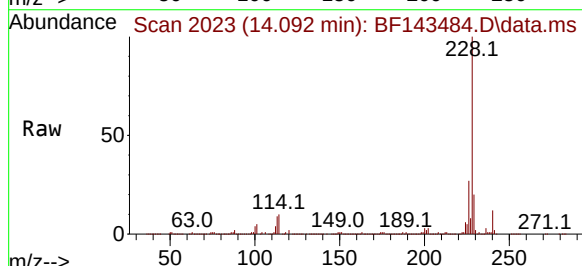
Tgt Ion:228 Resp: 1237164

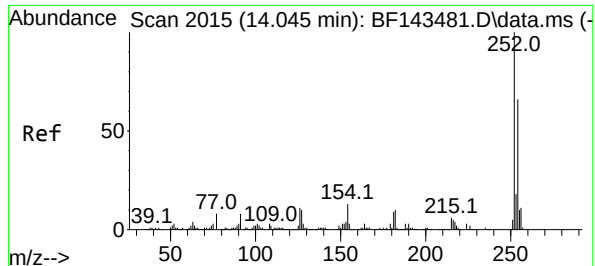
Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

229 19.9 15.7 23.5





#82

3,3'-Dichlorobenzidine

Concen: 80.290 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

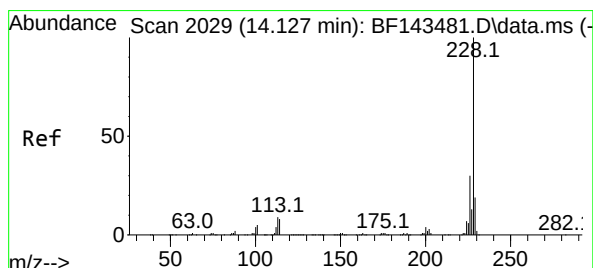
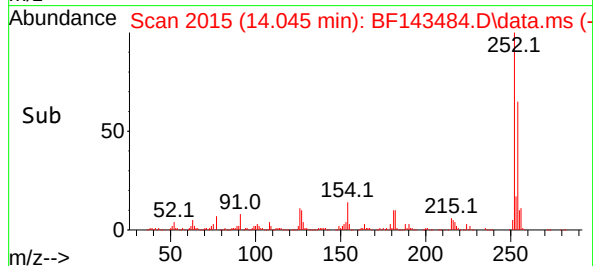
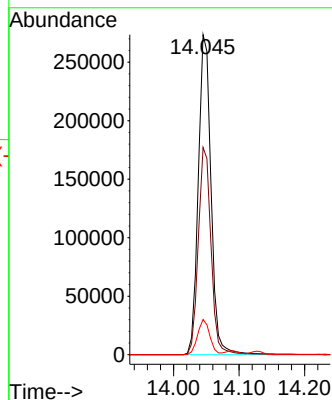
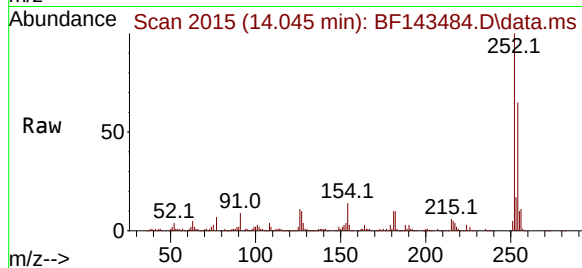
Tgt Ion:252 Resp: 370170

Ion Ratio Lower Upper

252 100

254 64.7 52.6 79.0

126 11.0 8.7 13.1



#83

Chrysene

Concen: 77.031 ng

RT: 14.127 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

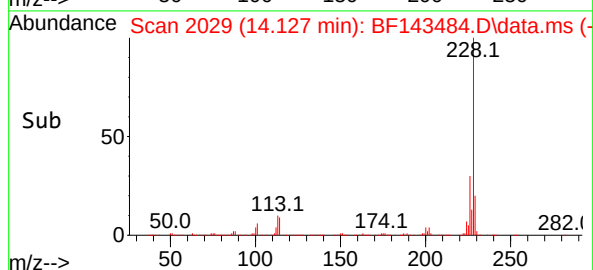
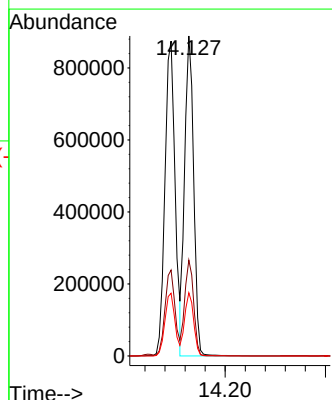
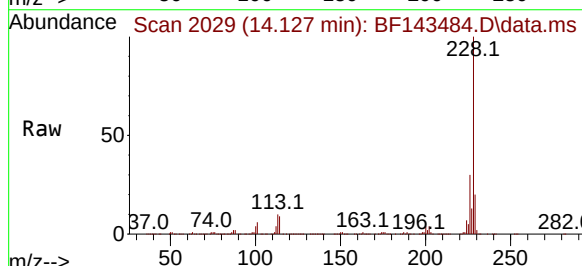
Tgt Ion:228 Resp: 1114466

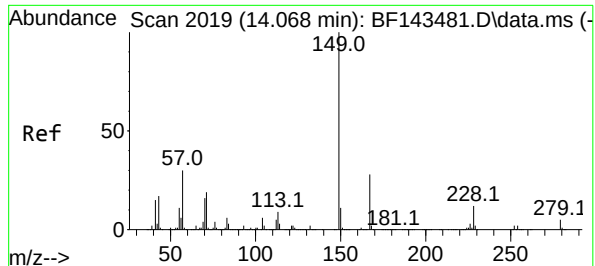
Ion Ratio Lower Upper

228 100

226 29.9 23.7 35.5

229 19.8 15.7 23.5

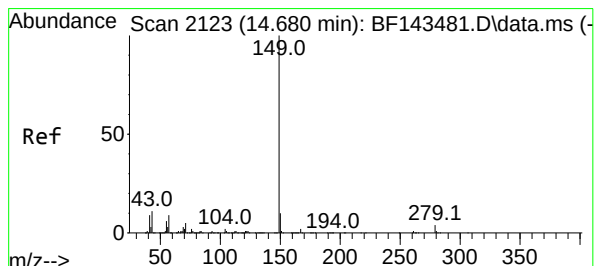
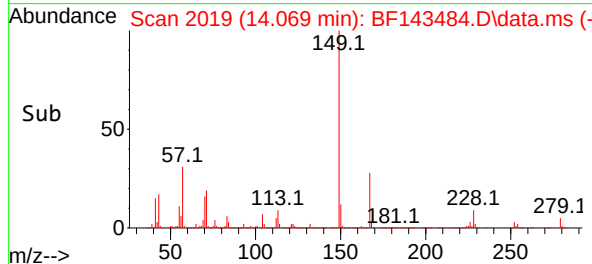
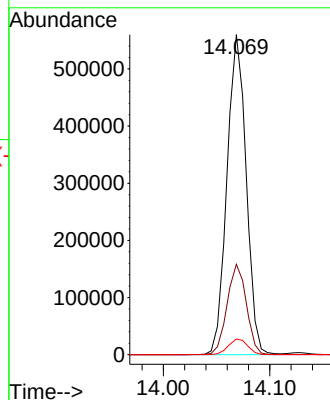
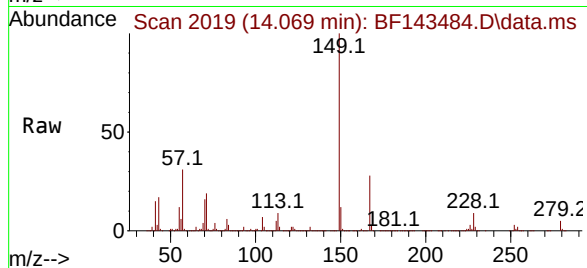




#84
Bis(2-ethylhexyl)phthalate
Concen: 81.836 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

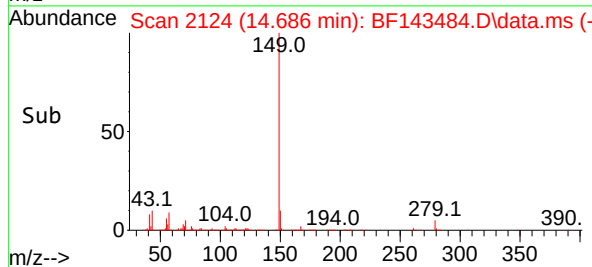
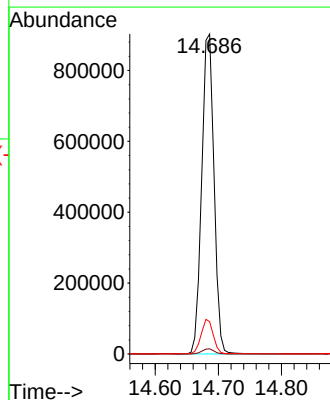
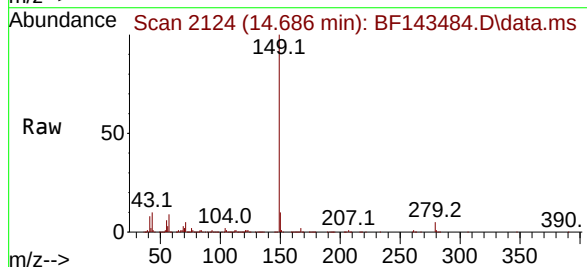
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

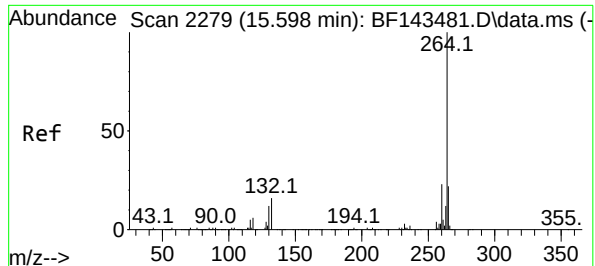
Tgt Ion:149 Resp: 700384
Ion Ratio Lower Upper
149 100
167 28.3 22.2 33.2
279 4.9 3.6 5.4



#85
Di-n-octyl phthalate
Concen: 77.442 ng
RT: 14.686 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:149 Resp: 1227818
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.6 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.598 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

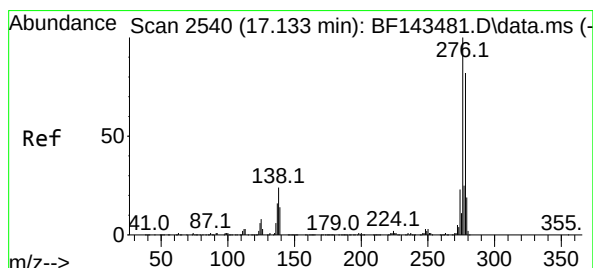
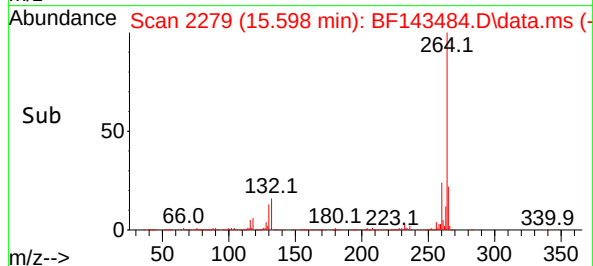
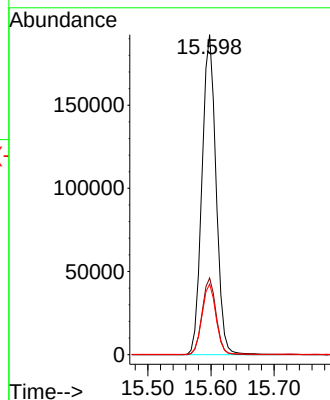
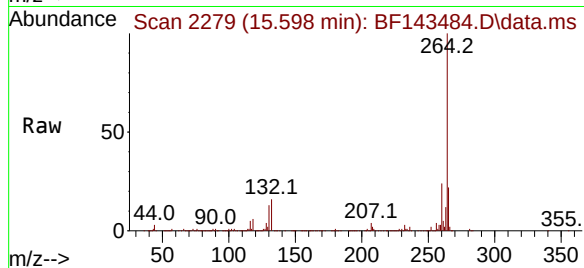
Tgt Ion:264 Resp: 296923

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.1 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 72.108 ng

RT: 17.139 min Scan# 2541

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

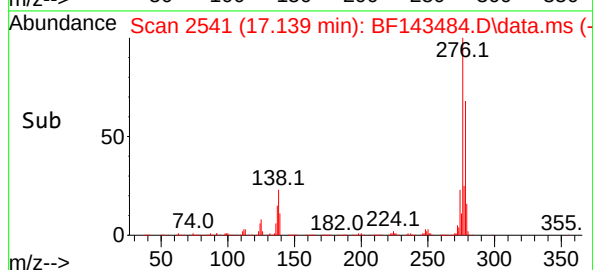
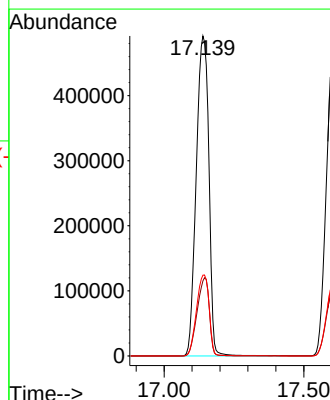
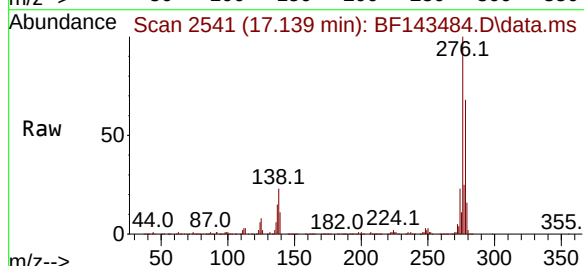
Tgt Ion:276 Resp: 1538560

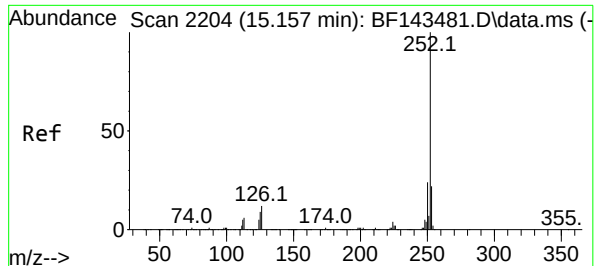
Ion Ratio Lower Upper

276 100

138 23.6 19.2 28.8

277 25.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 80.545 ng

RT: 15.157 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

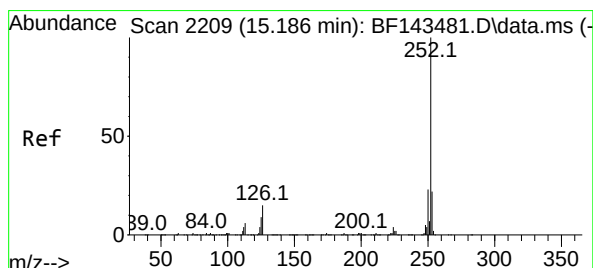
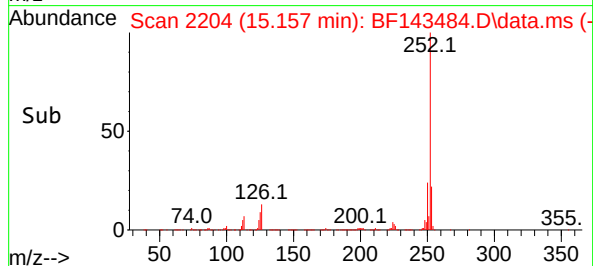
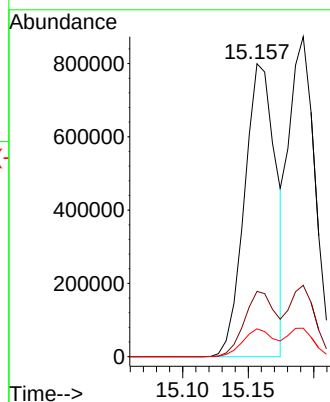
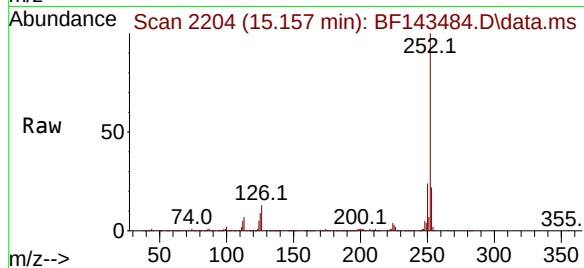
Tgt Ion:252 Resp: 1329385

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 9.5 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 75.511 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

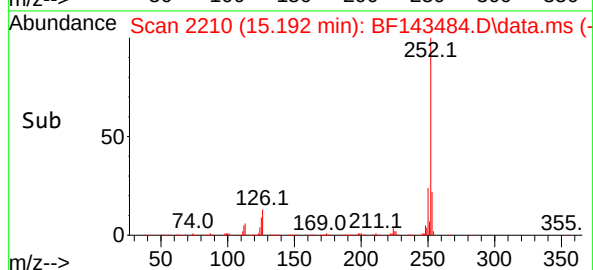
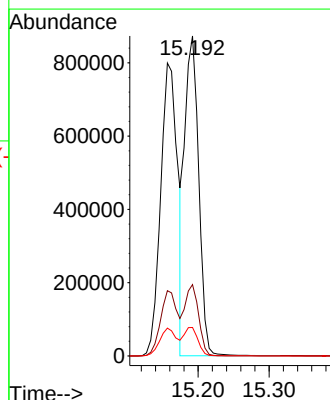
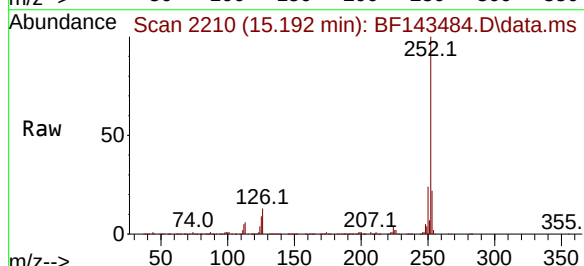
Tgt Ion:252 Resp: 1193283

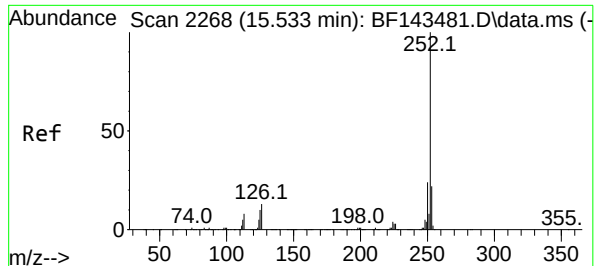
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 8.9 7.4 11.0





#90

Benzo(a)pyrene

Concen: 78.365 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

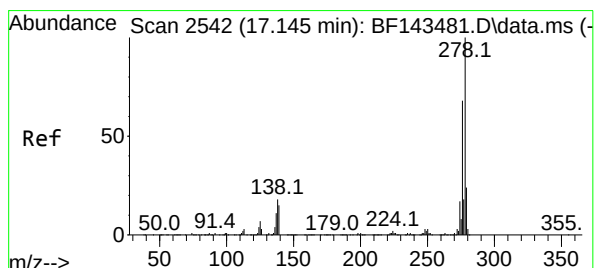
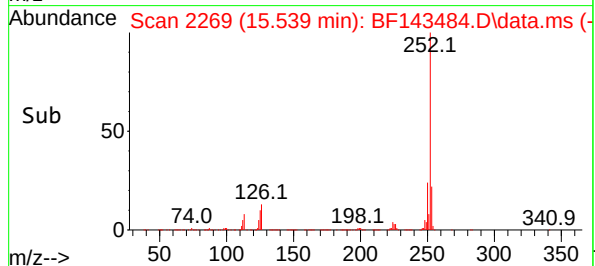
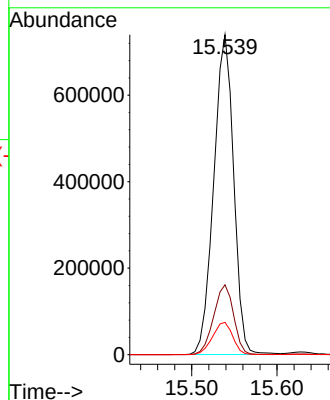
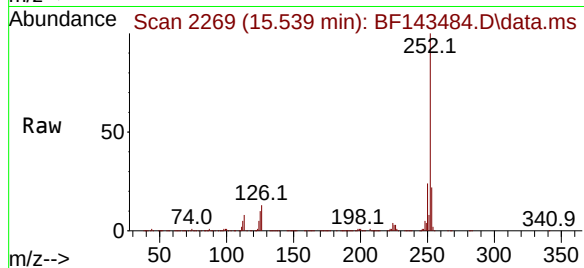
Tgt Ion:252 Resp: 1200553

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 10.1 8.2 12.2



#91

Dibenzo(a,h)anthracene

Concen: 71.099 ng

RT: 17.157 min Scan# 2544

Delta R.T. 0.000 min

Lab File: BF143484.D

Acq: 20 Aug 2025 14:20

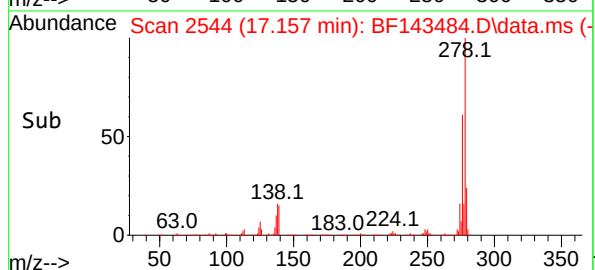
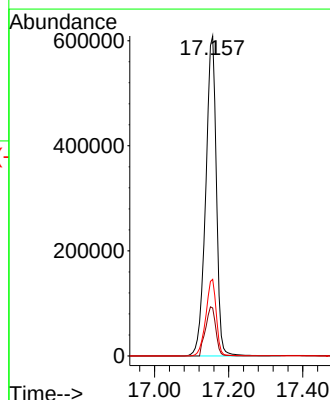
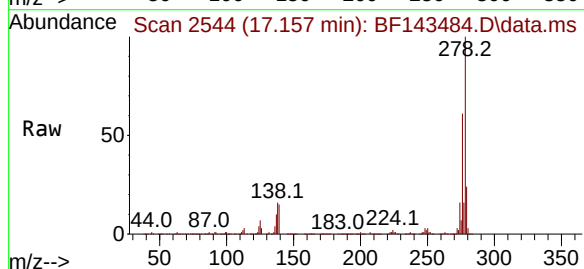
Tgt Ion:278 Resp: 1214959

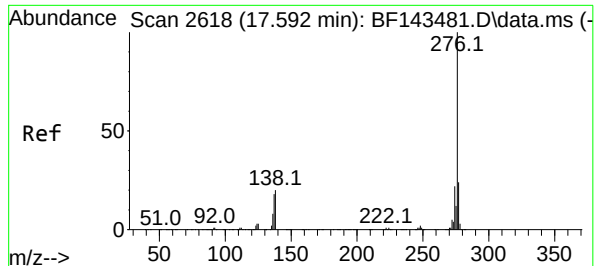
Ion Ratio Lower Upper

278 100

139 15.0 12.1 18.1

279 24.0 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 72.598 ng

RT: 17.604 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143484.D

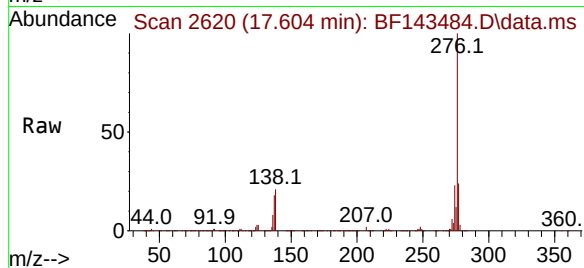
Acq: 20 Aug 2025 14:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



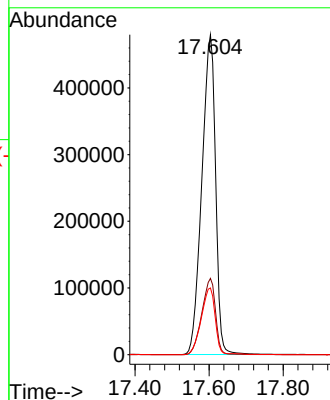
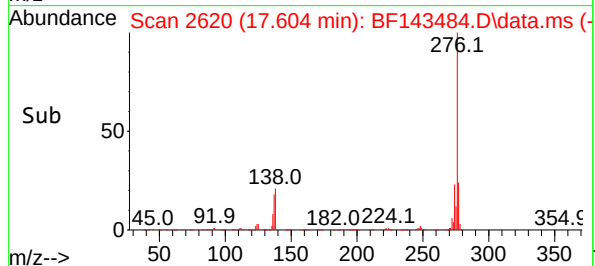
Tgt Ion:276 Resp: 1233571

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 20.9 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143485.D
 Acq On : 20 Aug 2025 15:16
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF082025

Quant Time: Aug 20 16:24:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	147483	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	560799	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	307376	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	481864	20.000	ng	0.00
76) Chrysene-d12	14.098	240	290808	20.000	ng	0.00
86) Perylene-d12	15.598	264	304631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	673963	79.796	ng	0.00
7) Phenol-d6	6.563	99	826142	79.236	ng	-0.01
23) Nitrobenzene-d5	7.492	82	774657	80.608	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	231053	80.753	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1418903	76.290	ng	0.00
79) Terphenyl-d14	13.039	244	1278285	76.705	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	153305	39.182	ng	99
3) Pyridine	3.516	79	420783	40.378	ng	100
4) n-Nitrosodimethylamine	3.457	42	191147	40.802	ng	96
6) Aniline	6.592	93	563974	40.468	ng	98
8) 2-Chlorophenol	6.716	128	375251	40.225	ng	99
9) Benzaldehyde	6.481	77	357456	42.346	ng	100
10) Phenol	6.581	94	487495	40.587	ng	98
11) bis(2-Chloroethyl)ether	6.657	93	359124	40.011	ng	99
12) 1,3-Dichlorobenzene	6.869	146	416344	39.721	ng	99
13) 1,4-Dichlorobenzene	6.945	146	414739	39.445	ng	99
14) 1,2-Dichlorobenzene	7.098	146	395851	39.765	ng	100
15) Benzyl Alcohol	7.069	79	321497	41.185	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	574948	40.039	ng	99
17) 2-Methylphenol	7.181	107	304639	40.687	ng	96
18) Hexachloroethane	7.439	117	145111	40.592	ng	99
19) n-Nitroso-di-n-propyla...	7.339	70	252025	39.547	ng	99
20) 3+4-Methylphenols	7.334	107	362521	40.559	ng	99
22) Acetophenone	7.334	105	472388	38.990	ng	99
24) Nitrobenzene	7.510	77	401365	40.579	ng	99
25) Isophorone	7.751	82	710700	40.343	ng	98
26) 2-Nitrophenol	7.828	139	202267	41.747	ng	99
27) 2,4-Dimethylphenol	7.863	122	299505	39.655	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	435322	40.210	ng	100
29) 2,4-Dichlorophenol	8.069	162	324407	40.217	ng	97
30) 1,2,4-Trichlorobenzene	8.151	180	326797	39.404	ng	99
31) Naphthalene	8.233	128	1050936	39.033	ng	100
32) Benzoic acid	7.986	122	174224	41.489	ng	98
33) 4-Chloroaniline	8.281	127	384473	40.234	ng	100
34) Hexachlorobutadiene	8.351	225	213848	39.523	ng	99
35) Caprolactam	8.651	113	86788	44.838	ng	95
36) 4-Chloro-3-methylphenol	8.763	107	327951	40.569	ng	99
37) 2-Methylnaphthalene	8.922	142	699087	38.877	ng	99
38) 1-Methylnaphthalene	9.022	142	675310	39.260	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	341006	38.786	ng	99
41) Hexachlorocyclopentadiene	9.080	237	123767	39.756	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	222378	41.105	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143485.D
 Acq On : 20 Aug 2025 15:16
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF082025

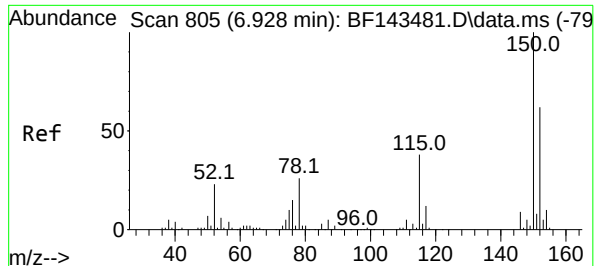
Quant Time: Aug 20 16:24:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	231521	39.178	ng	98
46) 1,1'-Biphenyl	9.386	154	850787	38.997	ng	100
47) 2-Chloronaphthalene	9.416	162	668760	39.068	ng	99
48) 2-Nitroaniline	9.504	65	209716	41.861	ng	99
49) Acenaphthylene	9.827	152	969574	39.557	ng	99
50) Dimethylphthalate	9.680	163	757804	40.935	ng	100
51) 2,6-Dinitrotoluene	9.745	165	162905	42.459	ng	98
52) Acenaphthene	9.998	154	664685	39.941	ng	100
53) 3-Nitroaniline	9.916	138	176223	42.506	ng	98
54) 2,4-Dinitrophenol	10.027	184	84522	43.761	ng	99
55) Dibenzofuran	10.175	168	925864	39.023	ng	99
56) 4-Nitrophenol	10.086	139	114429	46.387	ng	99
57) 2,4-Dinitrotoluene	10.151	165	221231	43.183	ng	97
58) Fluorene	10.516	166	710368	38.901	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	187764	42.767	ng	100
60) Diethylphthalate	10.380	149	692256	41.708	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	358628	39.269	ng	99
62) 4-Nitroaniline	10.533	138	167278	43.927	ng	99
63) Azobenzene	10.669	77	688082	39.982	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	119136	43.849	ng	97
66) n-Nitrosodiphenylamine	10.622	169	608072	39.212	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	231727	40.305	ng	99
68) Hexachlorobenzene	11.069	284	245068	39.544	ng	98
69) Atrazine	11.145	200	174902	43.693	ng	99
70) Pentachlorophenol	11.269	266	124649	43.916	ng	99
71) Phenanthrene	11.480	178	1012486	39.237	ng	100
72) Anthracene	11.533	178	1029696	39.390	ng	100
73) Carbazole	11.686	167	865651	40.413	ng	100
74) Di-n-butylphthalate	12.010	149	869364	43.507	ng	99
75) Fluoranthene	12.668	202	932217	40.261	ng	100
77) Benzidine	12.786	184	283076	39.962	ng	99
78) Pyrene	12.898	202	930449	38.897	ng	100
80) Butylbenzylphthalate	13.510	149	271515	41.549	ng	99
81) Benzo(a)anthracene	14.086	228	763549	40.783	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	208975	38.975	ng	99
83) Chrysene	14.127	228	651325	38.711	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	388068	38.990	ng	99
85) Di-n-octyl phthalate	14.680	149	700201	37.975	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	859881	39.281	ng	99
88) Benzo(b)fluoranthene	15.157	252	667733	39.433	ng	100
89) Benzo(k)fluoranthene	15.186	252	664593	40.992	ng	100
90) Benzo(a)pyrene	15.533	252	631989	40.208	ng	99
91) Dibenzo(a,h)anthracene	17.145	278	690364	39.378	ng	99
92) Benzo(g,h,i)perylene	17.592	276	697169	39.992	ng	100

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

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

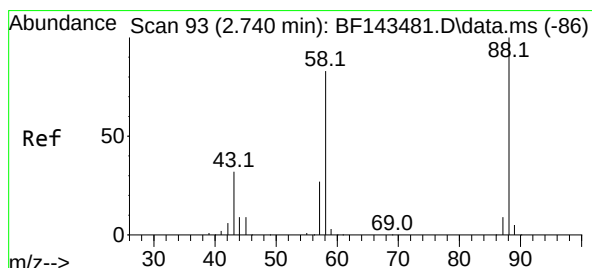
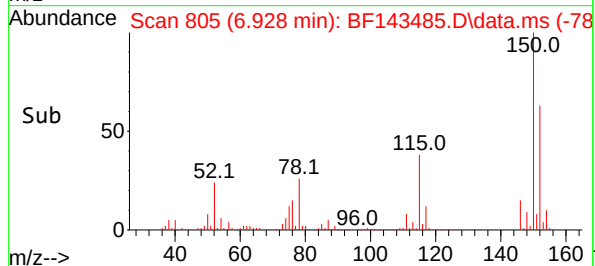
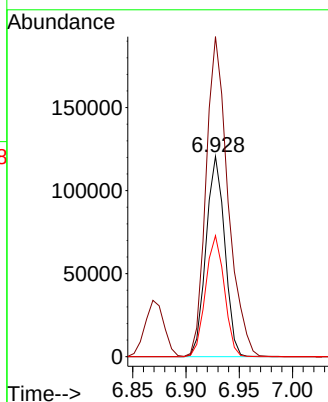
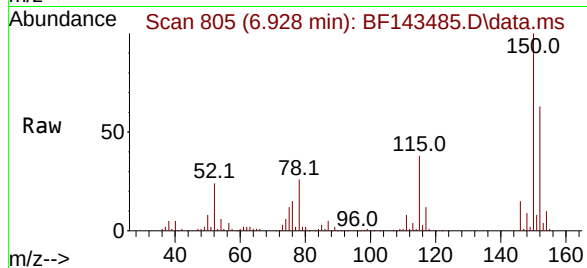
- 1
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- 14
- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

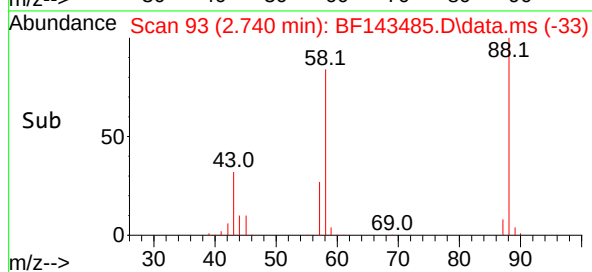
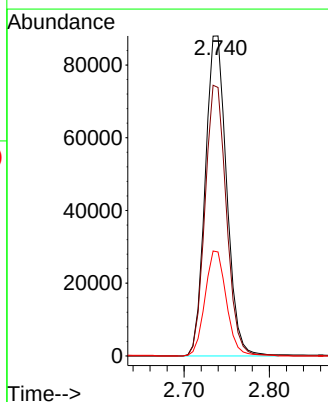
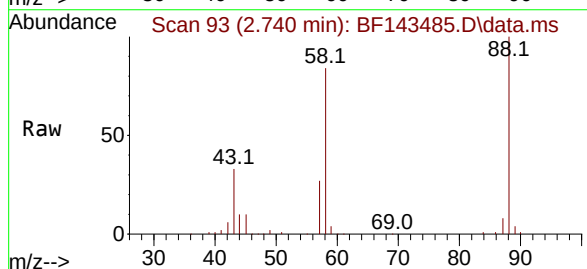
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

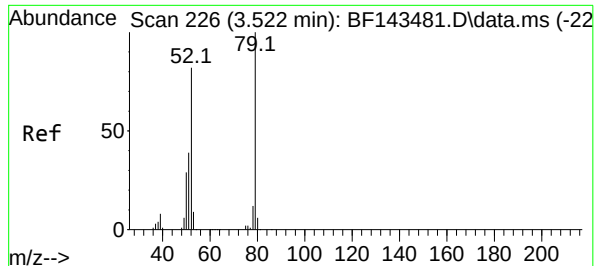
Tgt Ion:152 Resp: 147483
Ion Ratio Lower Upper
152 100
150 159.8 128.9 193.3
115 60.4 49.2 73.8



#2
1,4-Dioxane
Concen: 39.182 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 88 Resp: 153305
Ion Ratio Lower Upper
88 100
58 84.6 66.7 100.1
43 32.8 25.8 38.8





#3

Pyridine

Concen: 40.378 ng

RT: 3.516 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

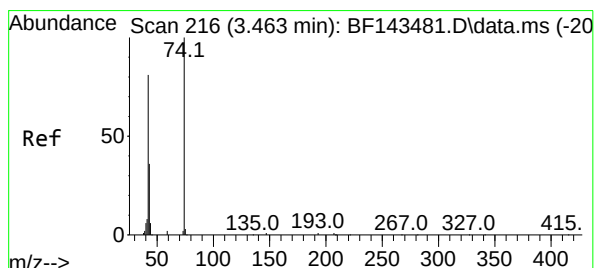
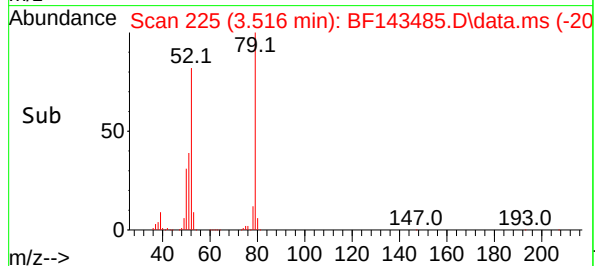
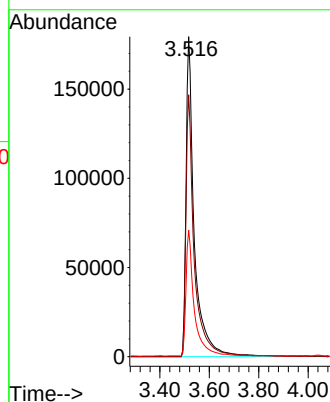
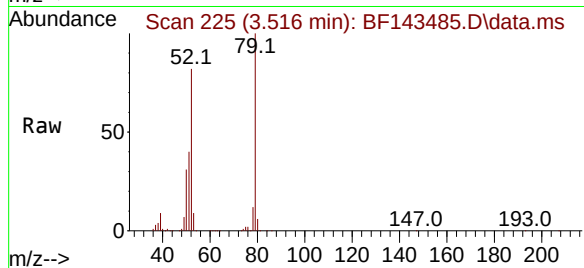
Tgt Ion: 79 Resp: 420783

Ion Ratio Lower Upper

79 100

52 81.9 65.6 98.4

51 39.6 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 40.802 ng

RT: 3.457 min Scan# 215

Delta R.T. -0.018 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

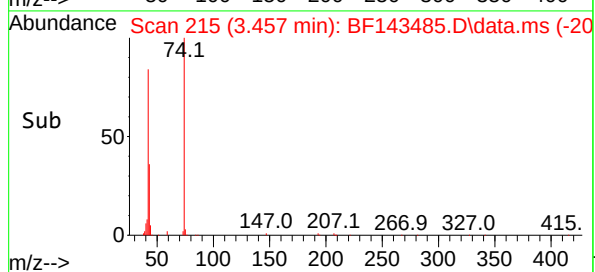
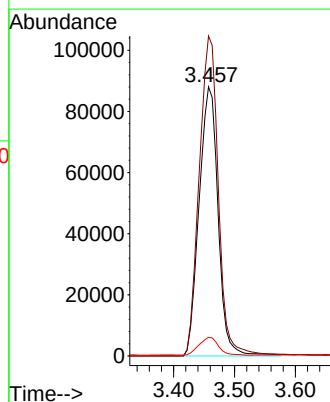
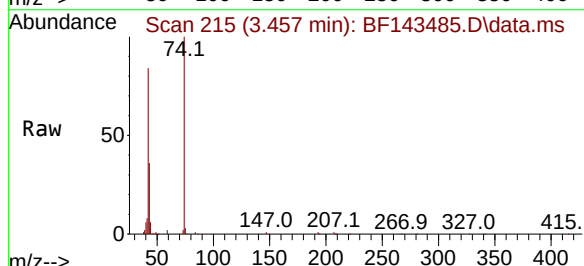
Tgt Ion: 42 Resp: 191147

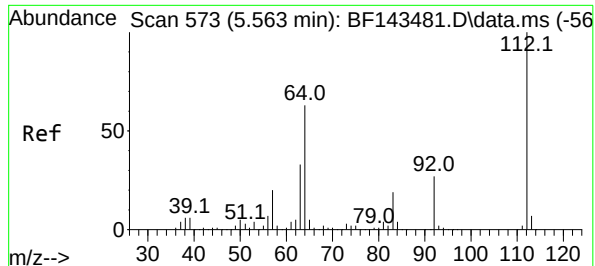
Ion Ratio Lower Upper

42 100

74 118.9 98.6 148.0

44 6.9 5.8 8.8

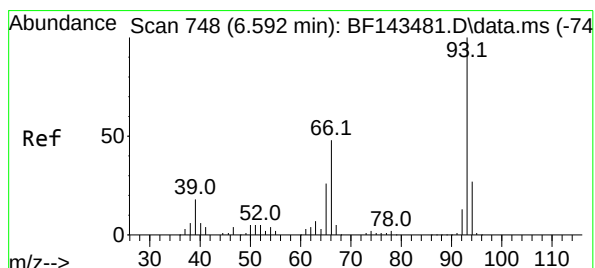
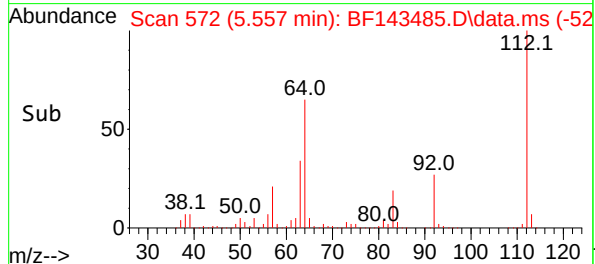
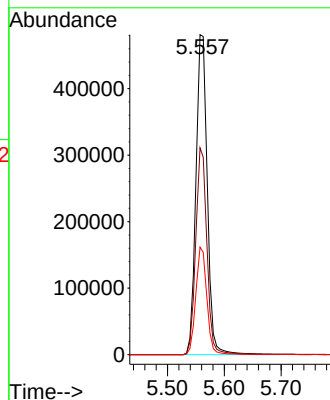
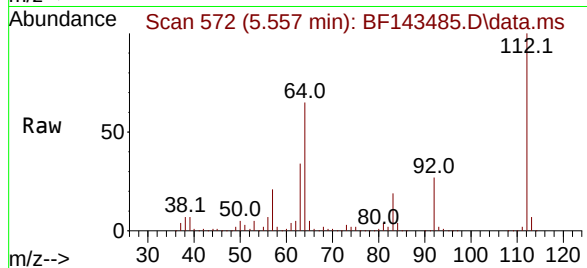




#5
2-Fluorophenol
Concen: 79.796 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

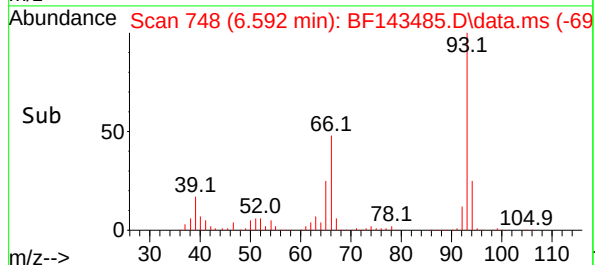
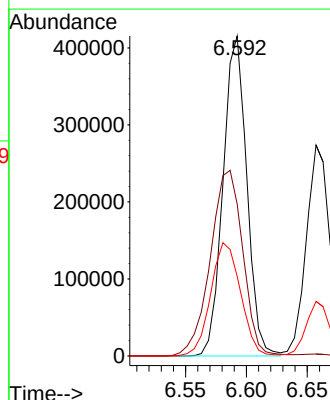
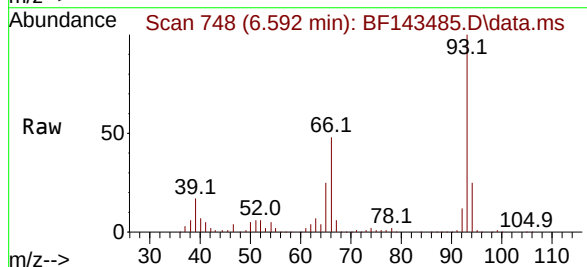
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

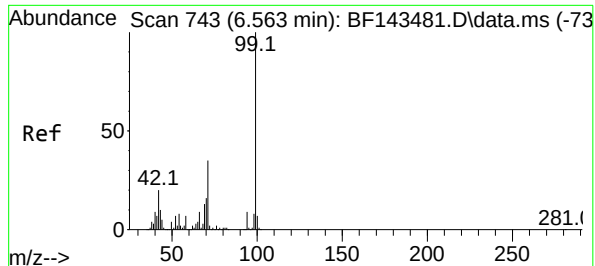
Tgt Ion:112 Resp: 673963
Ion Ratio Lower Upper
112 100
64 64.6 50.4 75.6
63 33.6 26.4 39.6



#6
Aniline
Concen: 40.468 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 93 Resp: 563974
Ion Ratio Lower Upper
93 100
66 47.5 38.9 58.3
65 24.9 20.6 30.8

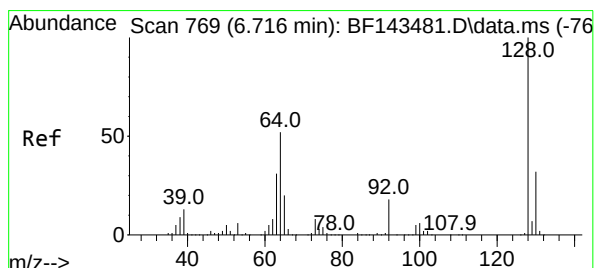
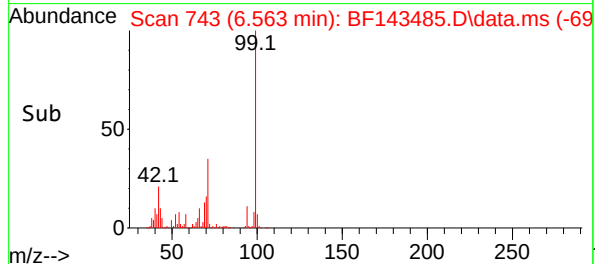
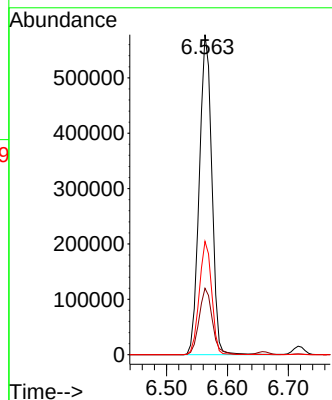
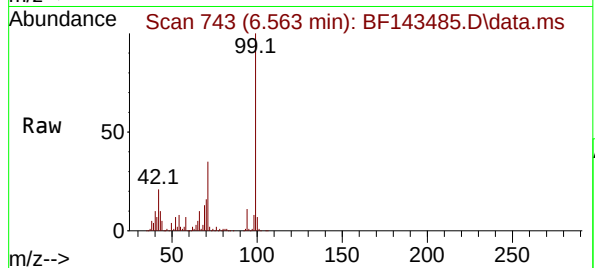




#7
Phenol-d6
Concen: 79.236 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

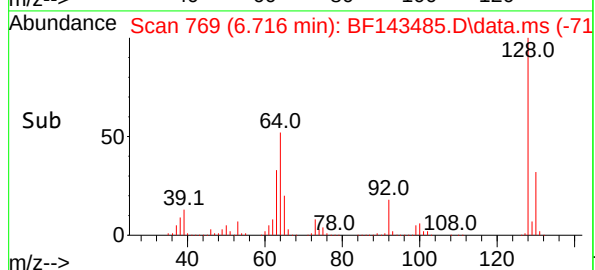
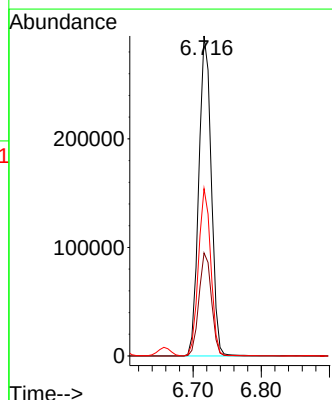
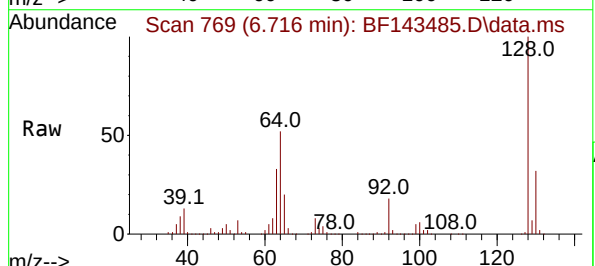
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

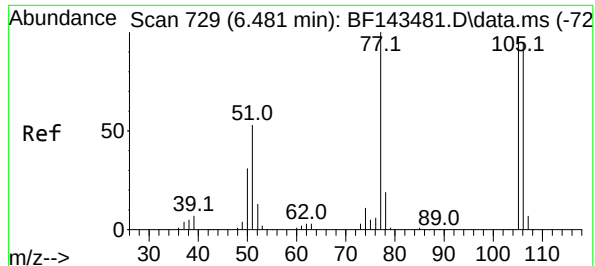
Tgt Ion: 99 Resp: 826142
Ion Ratio Lower Upper
99 100
42 20.8 16.3 24.5
71 35.4 28.2 42.2



#8
2-Chlorophenol
Concen: 40.225 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 128 Resp: 375251
Ion Ratio Lower Upper
128 100
130 32.2 12.4 52.4
64 52.3 31.6 71.6





#9

Benzaldehyde

Concen: 42.346 ng

RT: 6.481 min Scan# 729

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

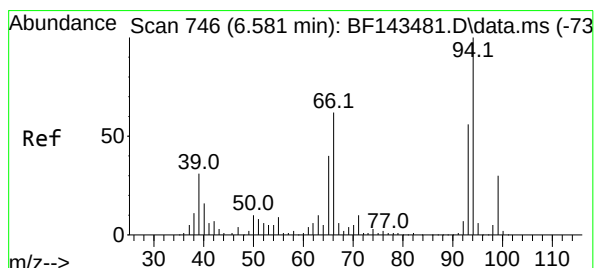
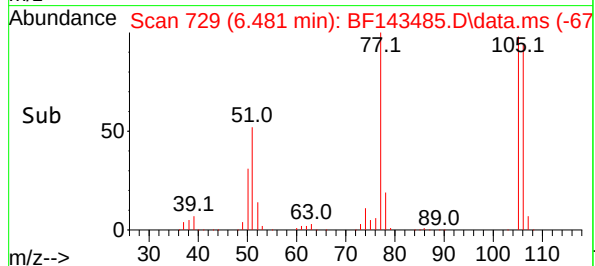
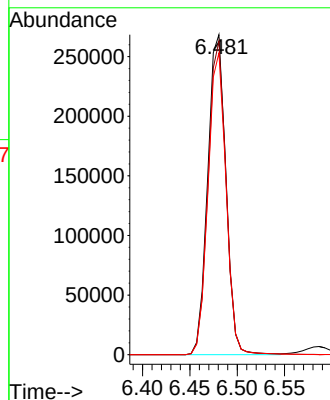
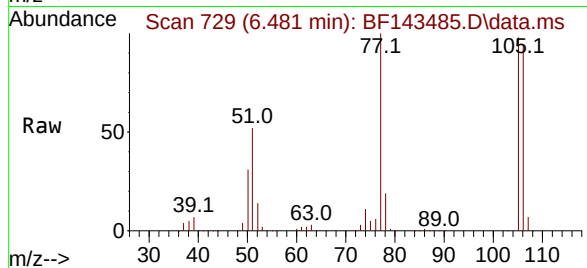
Tgt Ion: 77 Resp: 357456

Ion Ratio Lower Upper

77 100

105 97.9 78.1 118.1

106 94.3 74.9 114.9



#10

Phenol

Concen: 40.587 ng

RT: 6.581 min Scan# 746

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

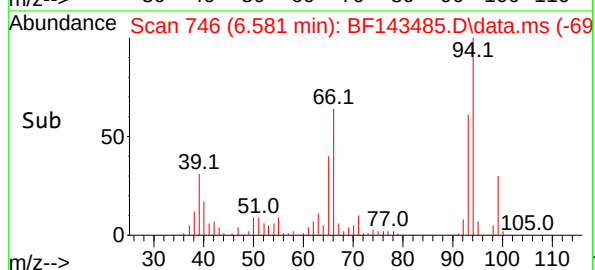
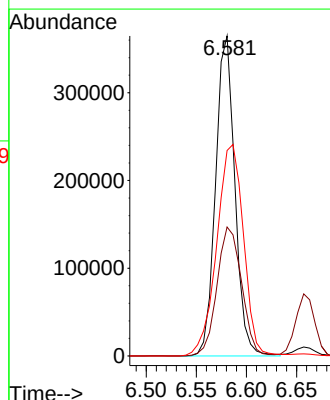
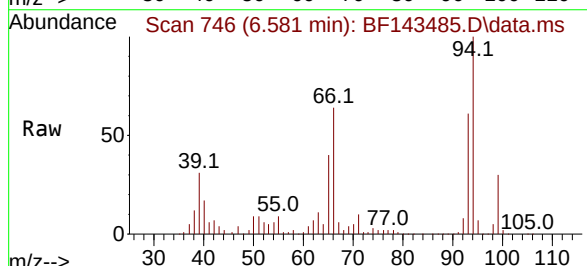
Tgt Ion: 94 Resp: 487495

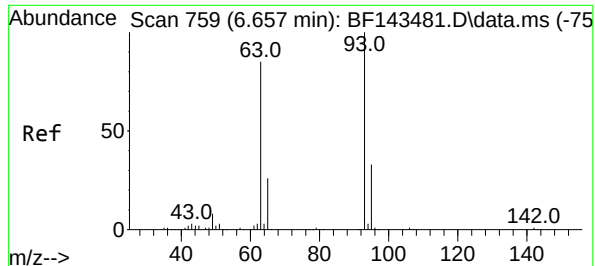
Ion Ratio Lower Upper

94 100

65 40.3 19.5 59.5

66 64.2 42.5 82.5

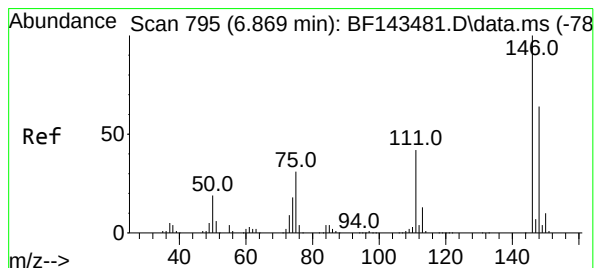
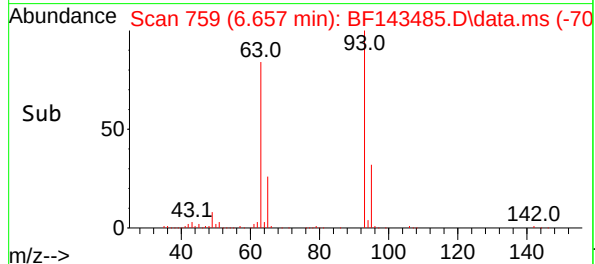
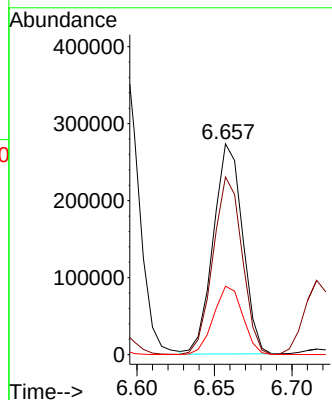
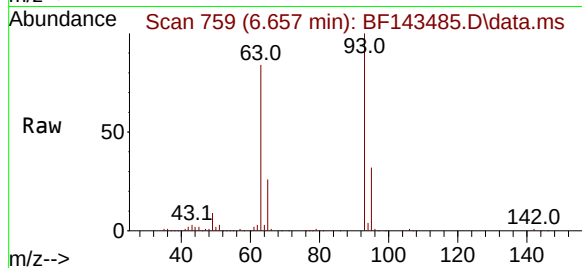




#11
bis(2-Chloroethyl)ether
Concen: 40.011 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

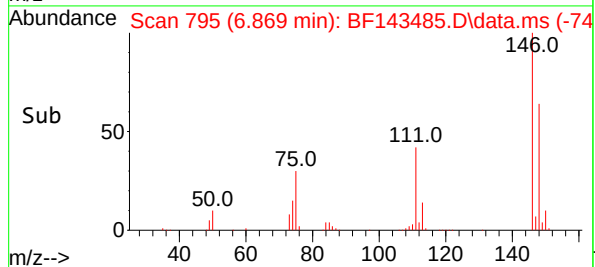
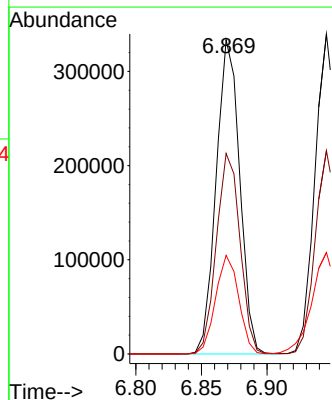
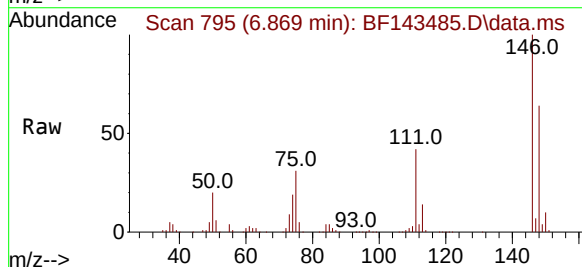
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

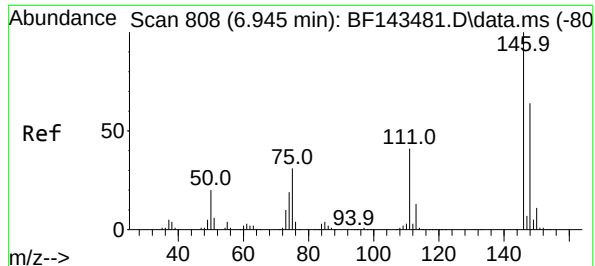
Tgt Ion: 93 Resp: 359124
Ion Ratio Lower Upper
93 100
63 84.4 63.6 103.6
95 32.5 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 39.721 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 146 Resp: 416344
Ion Ratio Lower Upper
146 100
148 63.8 51.3 76.9
75 31.4 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 39.445 ng

RT: 6.945 min Scan# 808

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

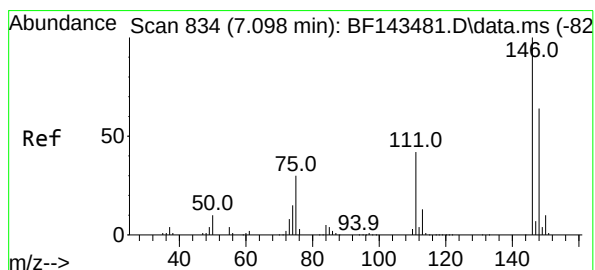
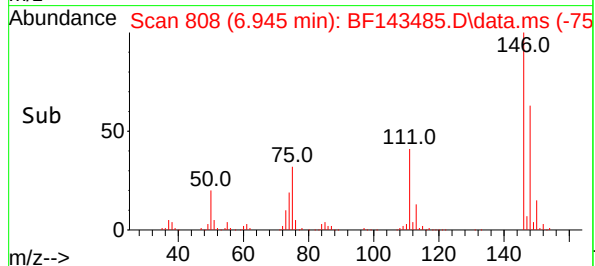
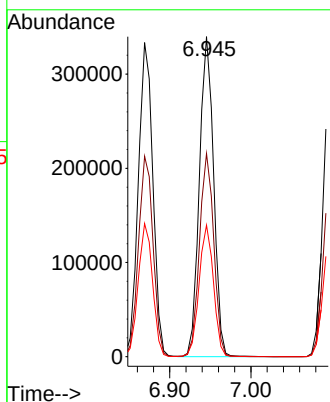
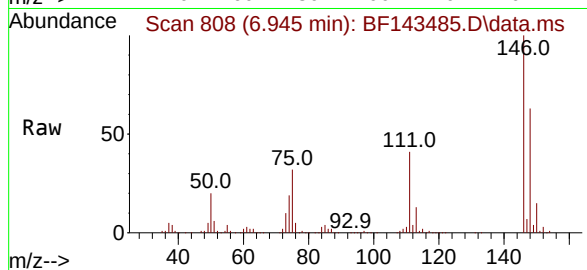
Tgt Ion:146 Resp: 414739

Ion Ratio Lower Upper

146 100

148 63.5 51.5 77.3

111 41.1 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 39.765 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

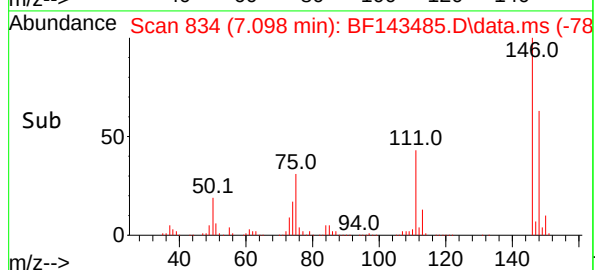
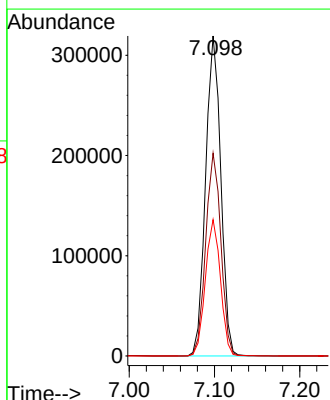
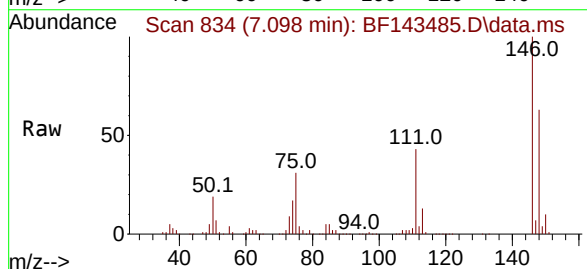
Tgt Ion:146 Resp: 395851

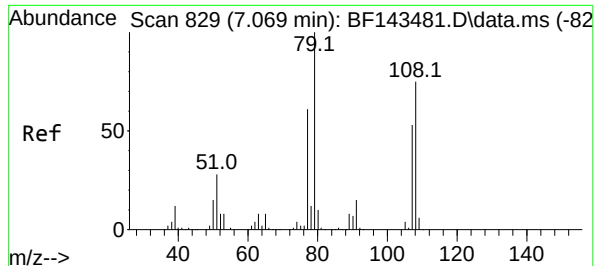
Ion Ratio Lower Upper

146 100

148 63.4 51.0 76.6

111 42.6 34.0 51.0





#15

Benzyl Alcohol

Concen: 41.185 ng

RT: 7.069 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

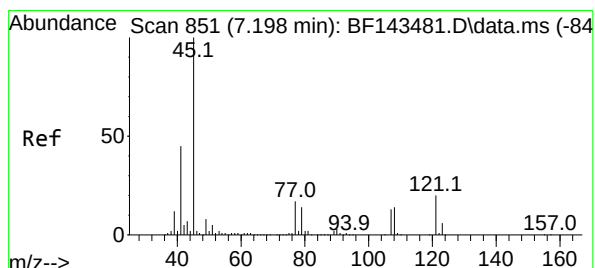
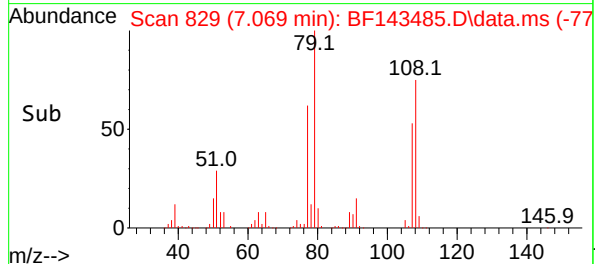
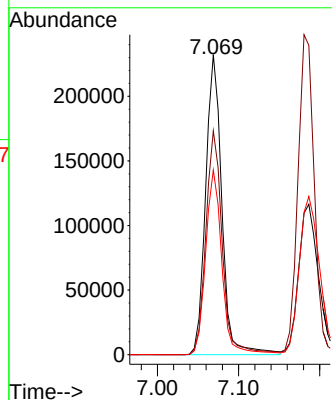
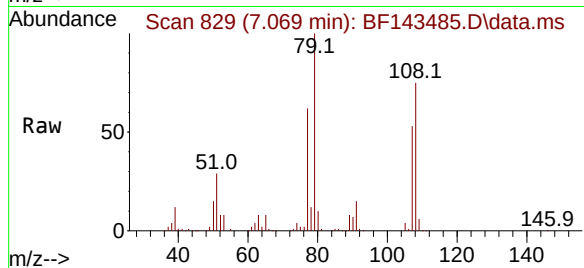
Tgt Ion: 79 Resp: 321497

Ion Ratio Lower Upper

79 100

108 74.6 59.8 89.6

77 61.6 49.0 73.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.039 ng

RT: 7.198 min Scan# 851

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

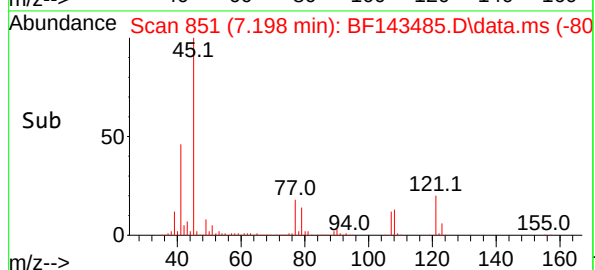
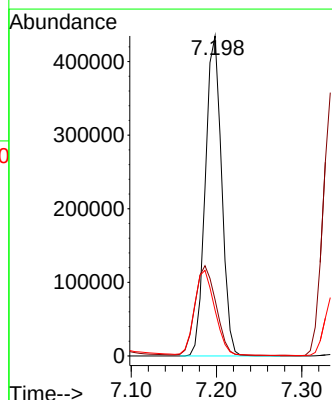
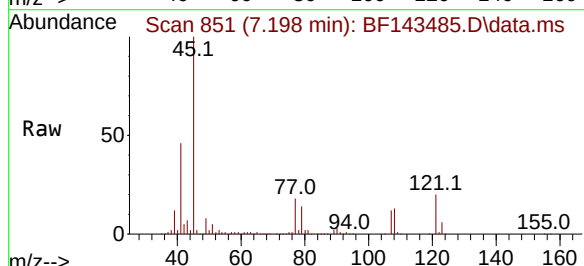
Tgt Ion: 45 Resp: 574948

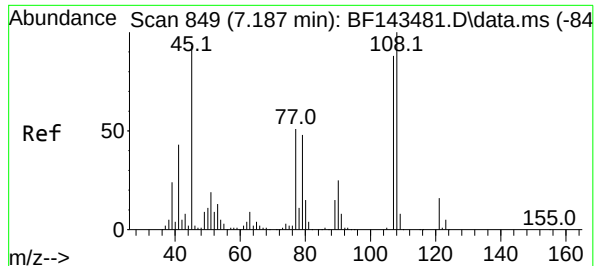
Ion Ratio Lower Upper

45 100

77 17.6 0.0 37.9

79 14.3 0.0 34.7

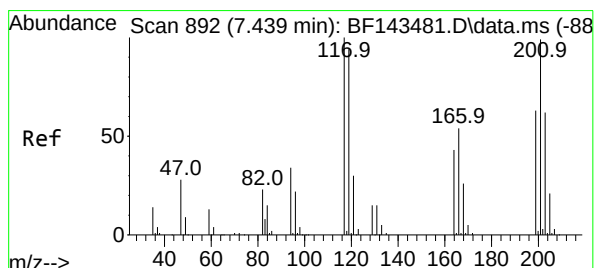
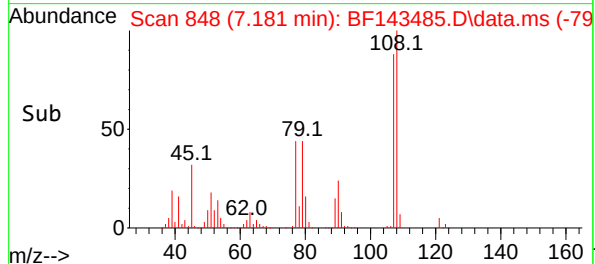
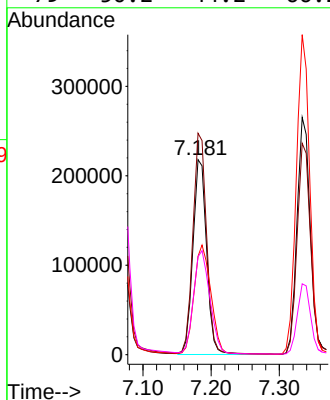
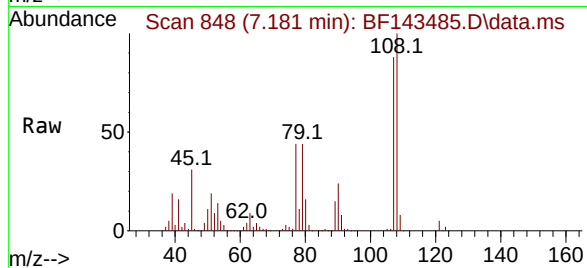




#17
2-Methylphenol
Concen: 40.687 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

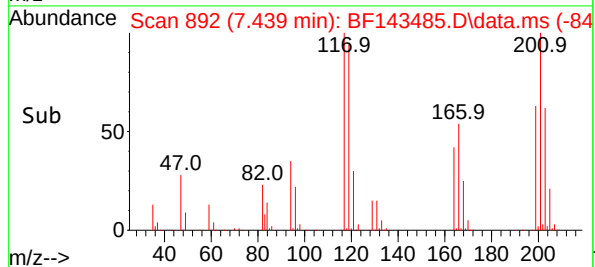
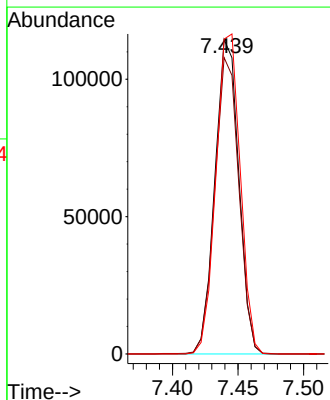
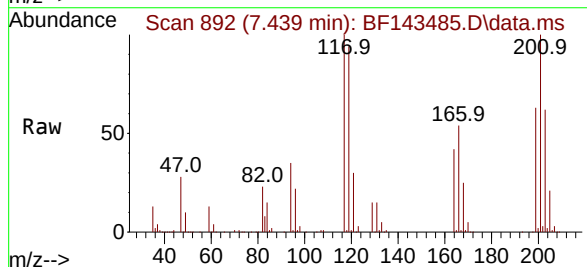
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

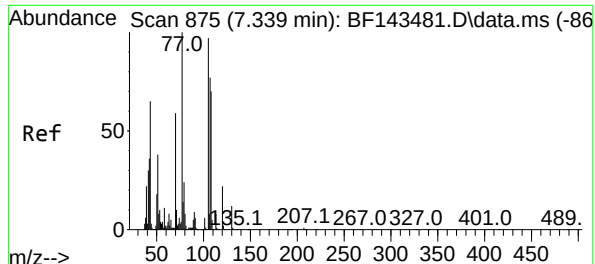
Tgt Ion:107 Resp: 304639
Ion Ratio Lower Upper
107 100
108 113.6 91.1 136.7
77 50.5 46.2 69.4
79 50.2 44.2 66.2



#18
Hexachloroethane
Concen: 40.592 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:117 Resp: 145111
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.0
201 100.1 79.0 118.4





#19

n-Nitroso-di-n-propylamine

Concen: 39.547 ng

RT: 7.339 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

Tgt Ion: 70 Resp: 252025

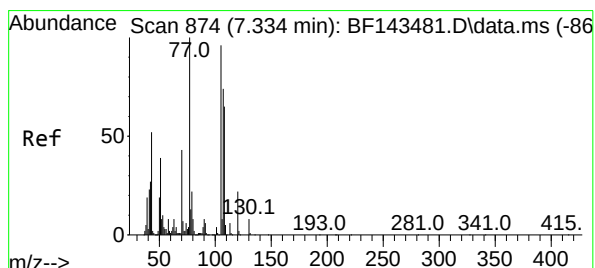
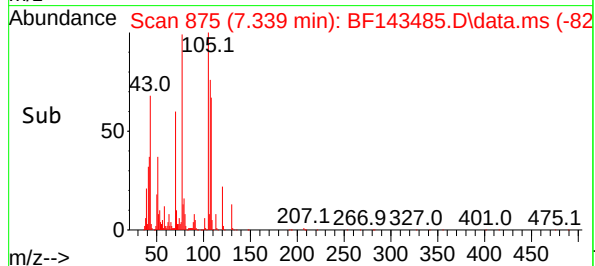
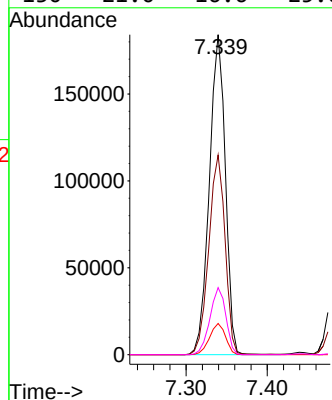
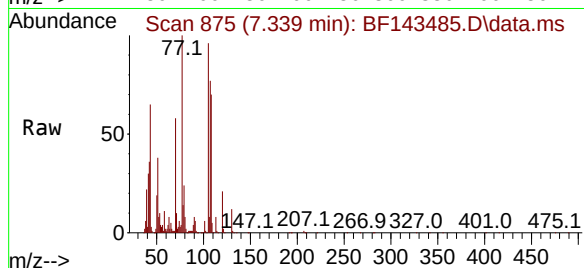
Ion Ratio Lower Upper

70 100

42 62.4 49.3 73.9

101 9.8 7.8 11.8

130 21.0 16.6 25.0



#20

3+4-Methylphenols

Concen: 40.559 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Tgt Ion: 107 Resp: 362521

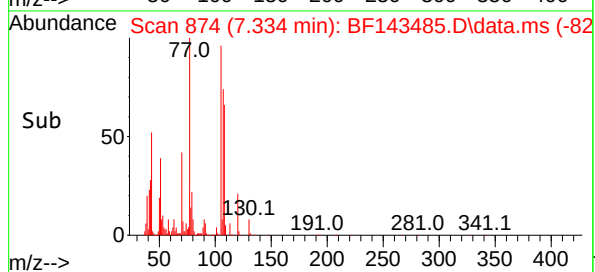
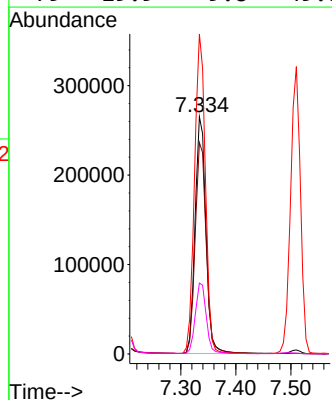
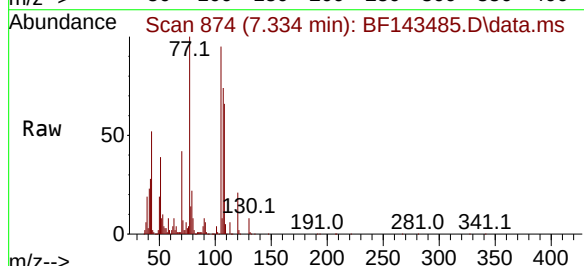
Ion Ratio Lower Upper

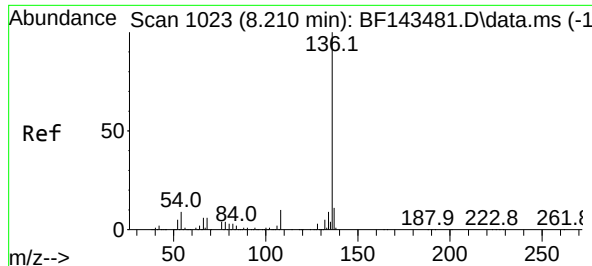
107 100

108 89.0 68.4 108.4

77 134.8 116.1 156.1

79 29.9 9.8 49.8

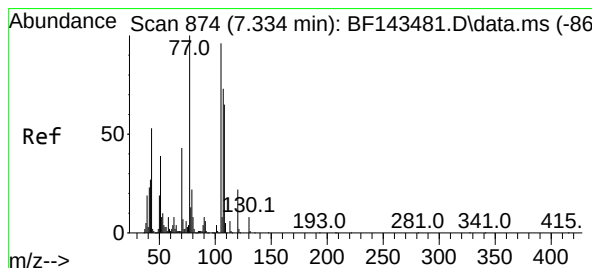
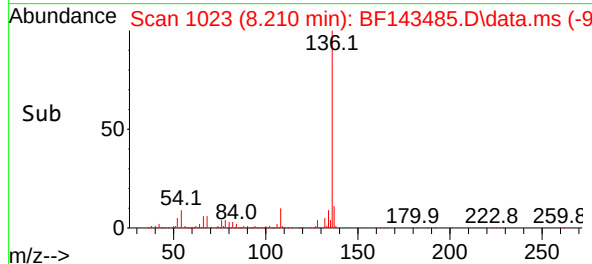
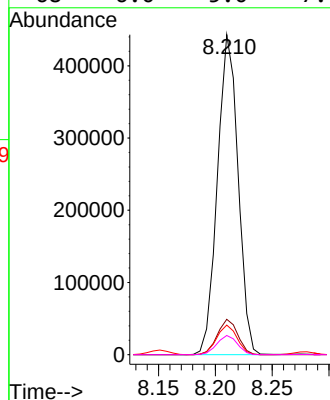
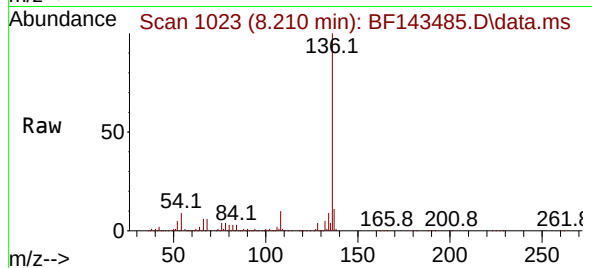




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

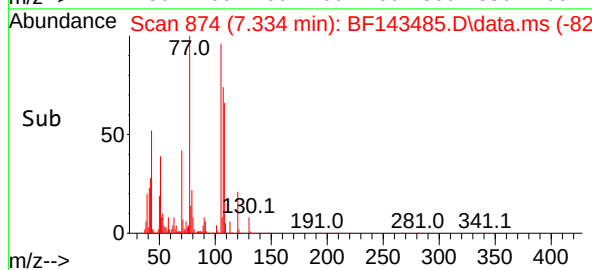
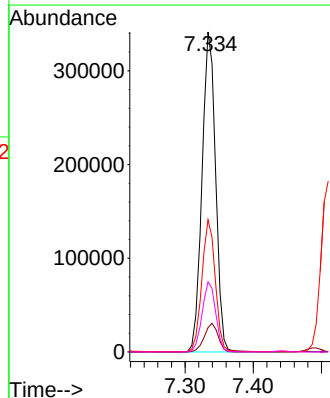
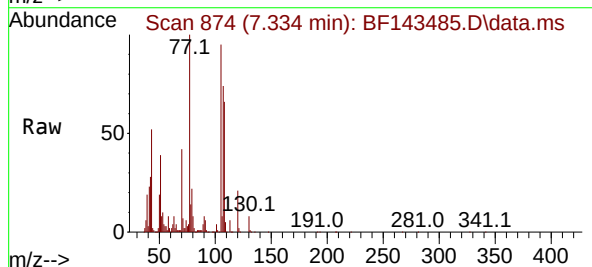
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

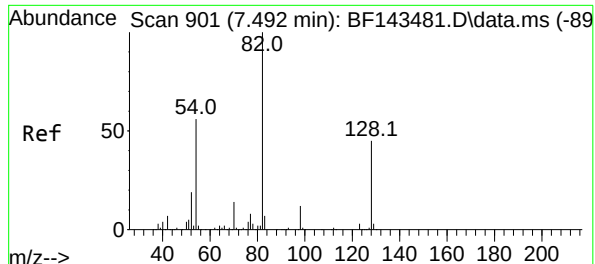
Tgt Ion:136	Resp: 560799
Ion Ratio	Lower Upper
136	100
137	11.1 9.0 13.4
54	9.3 7.4 11.2
68	6.0 5.0 7.4



#22
Acetophenone
Concen: 38.990 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:105	Resp: 472388
Ion Ratio	Lower Upper
105	100
71	7.6 5.9 8.9
51	41.3 32.5 48.7
120	21.9 18.0 27.0





#23

Nitrobenzene-d5

Concen: 80.608 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

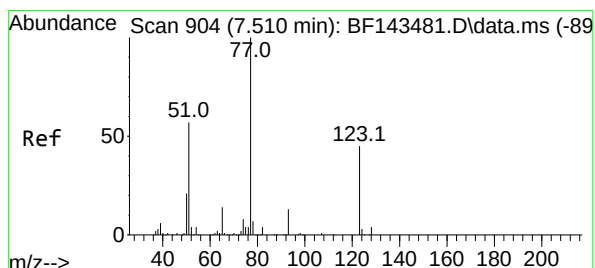
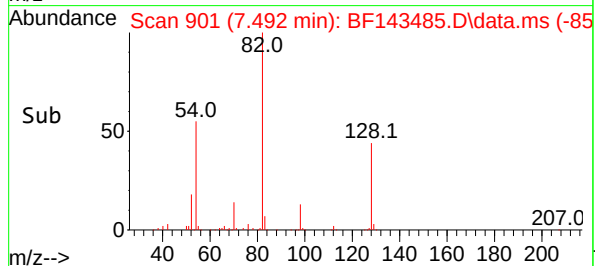
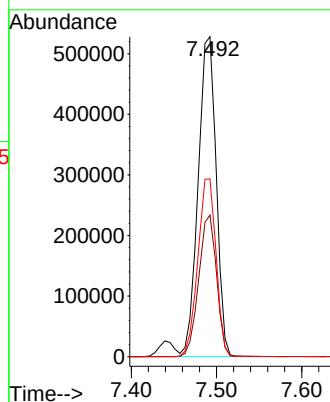
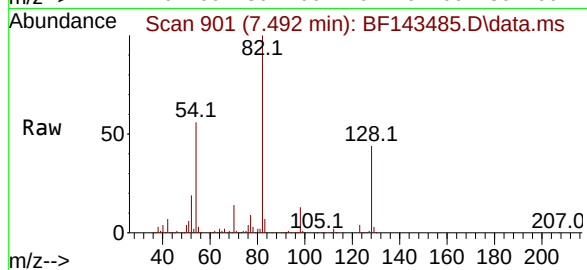
Tgt Ion: 82 Resp: 774657

Ion Ratio Lower Upper

82 100

128 44.3 35.5 53.3

54 55.6 44.3 66.5



#24

Nitrobenzene

Concen: 40.579 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

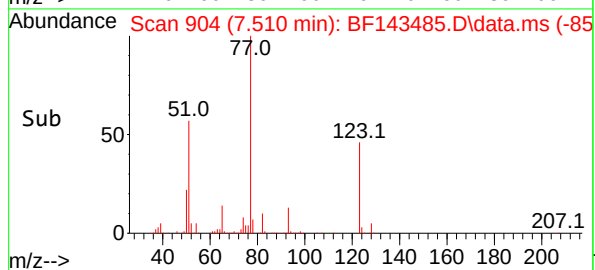
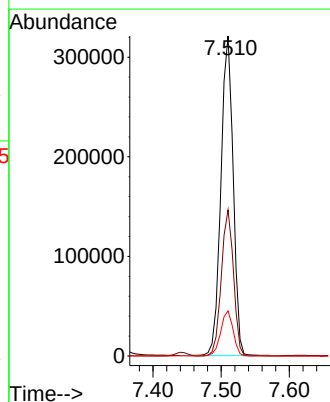
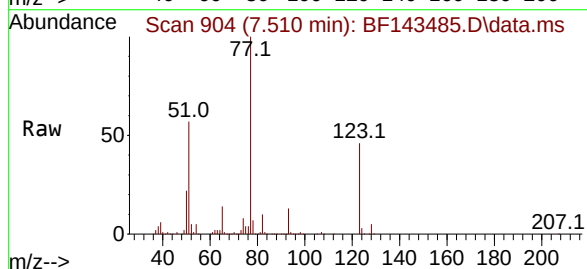
Tgt Ion: 77 Resp: 401365

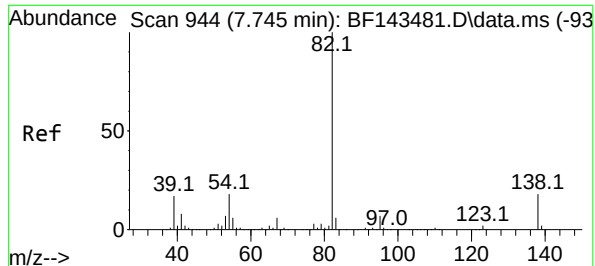
Ion Ratio Lower Upper

77 100

123 45.7 36.1 54.1

65 14.1 11.0 16.6





#25

Isophorone

Concen: 40.343 ng

RT: 7.751 min Scan# 944

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

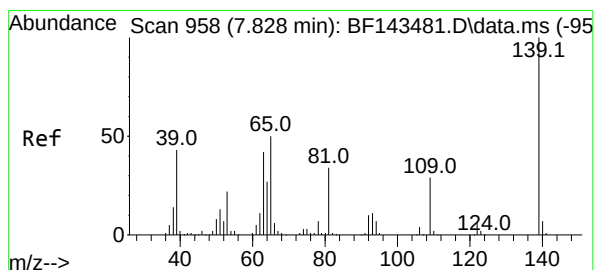
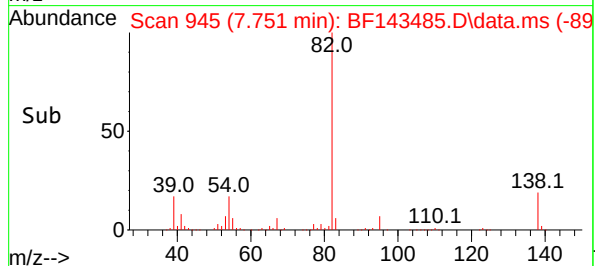
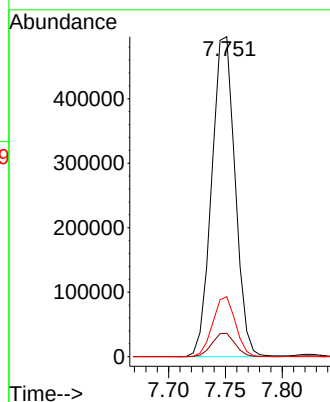
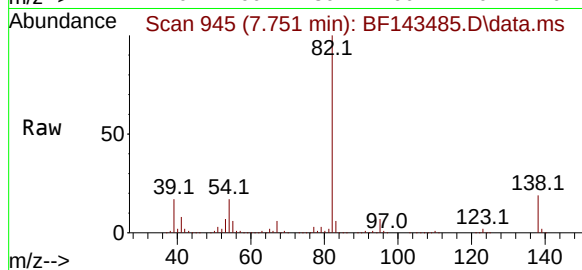
Tgt Ion: 82 Resp: 710700

Ion Ratio Lower Upper

82 100

95 7.3 5.8 8.8

138 18.8 14.2 21.4



#26

2-Nitrophenol

Concen: 41.747 ng

RT: 7.828 min Scan# 958

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

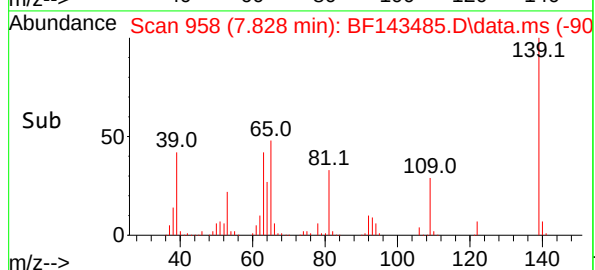
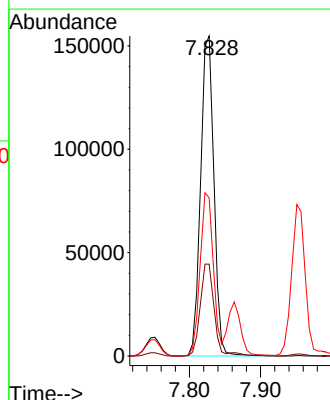
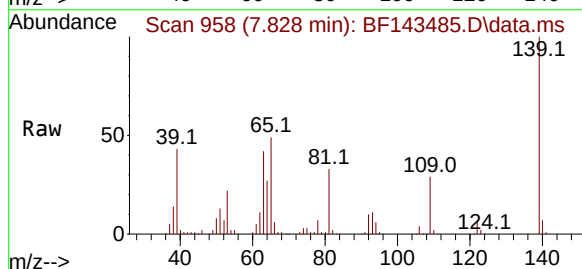
Tgt Ion: 139 Resp: 202267

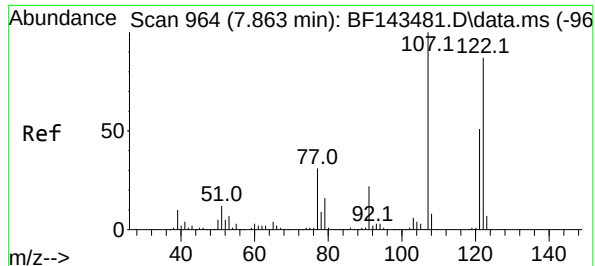
Ion Ratio Lower Upper

139 100

109 28.7 23.0 34.6

65 49.4 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 39.655 ng

RT: 7.863 min Scan# 9

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

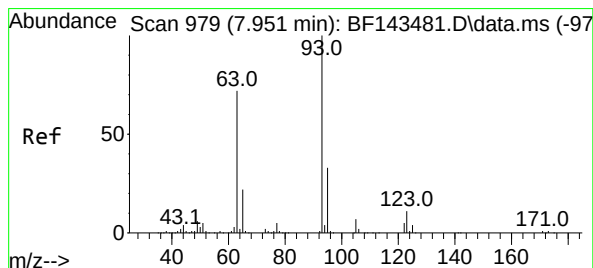
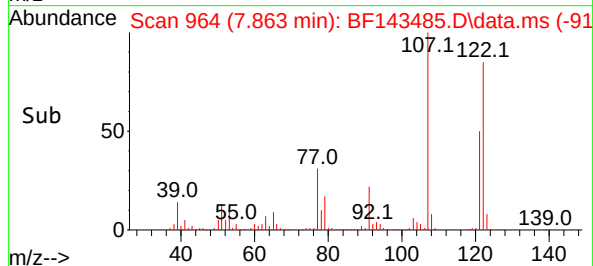
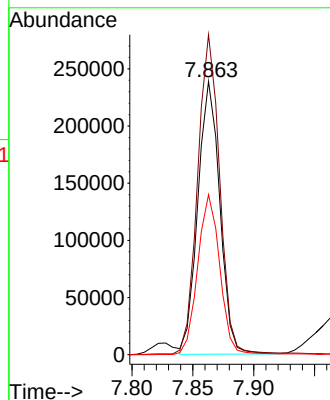
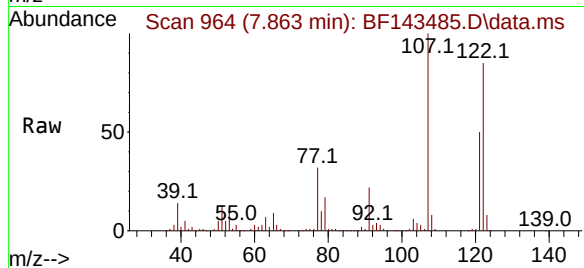
Tgt Ion:122 Resp: 299505

Ion Ratio Lower Upper

122 100

107 117.1 91.5 137.3

121 58.6 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 40.210 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

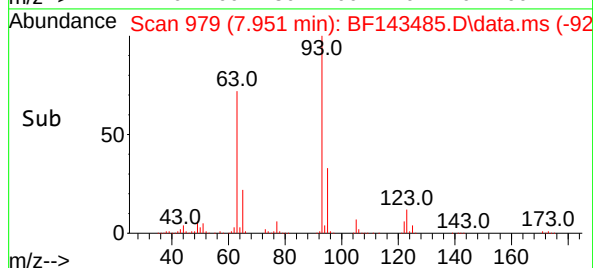
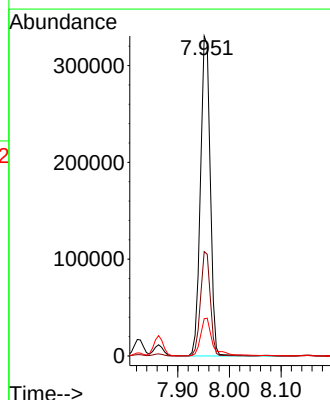
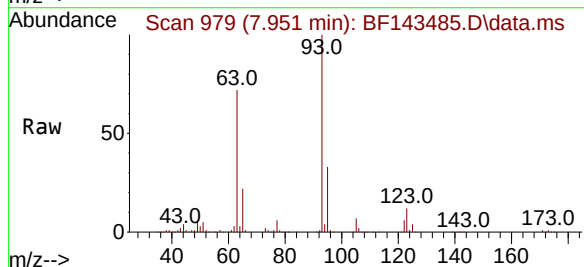
Tgt Ion: 93 Resp: 435322

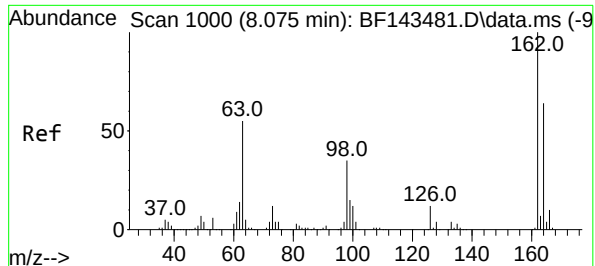
Ion Ratio Lower Upper

93 100

95 32.6 26.0 39.0

123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 40.217 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

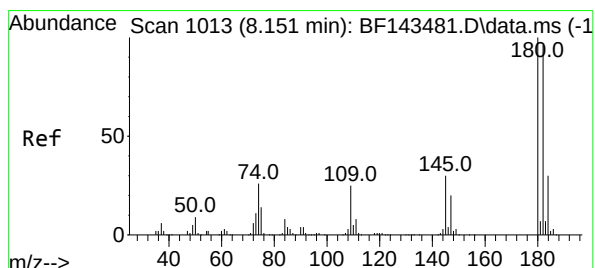
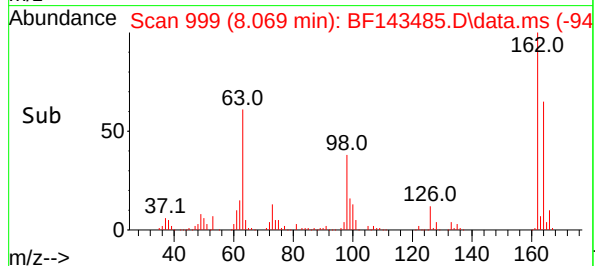
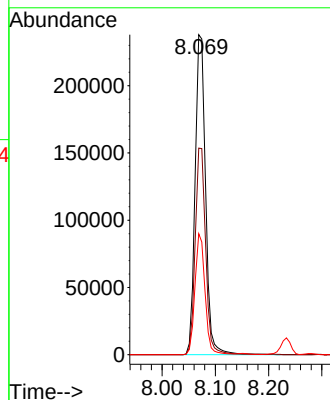
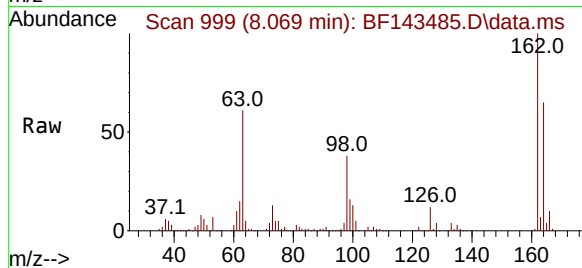
Tgt Ion:162 Resp: 324407

Ion Ratio Lower Upper

162 100

164 64.6 43.5 83.5

98 37.8 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 39.404 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

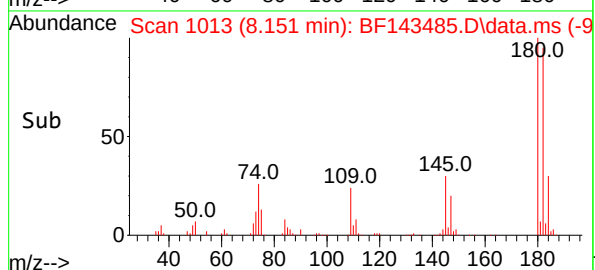
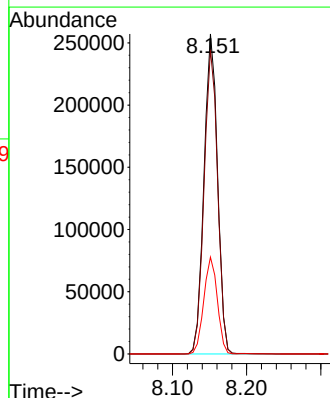
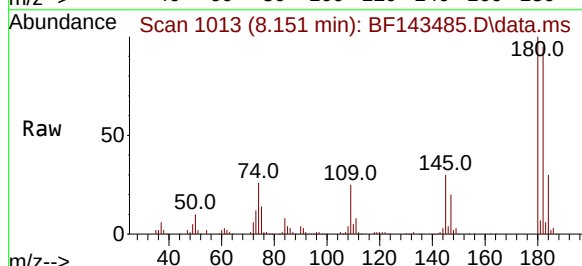
Tgt Ion:180 Resp: 326797

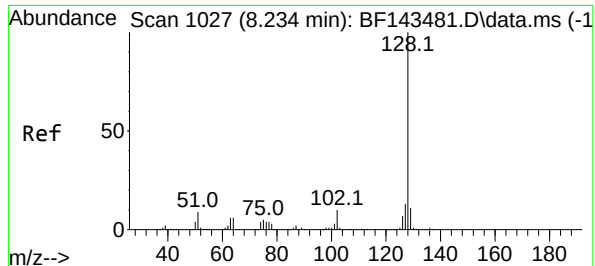
Ion Ratio Lower Upper

180 100

182 95.0 76.6 114.8

145 30.3 24.3 36.5





#31

Naphthalene

Concen: 39.033 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

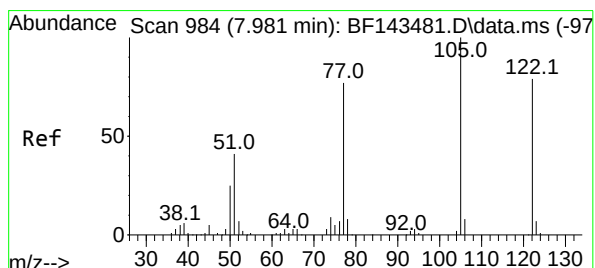
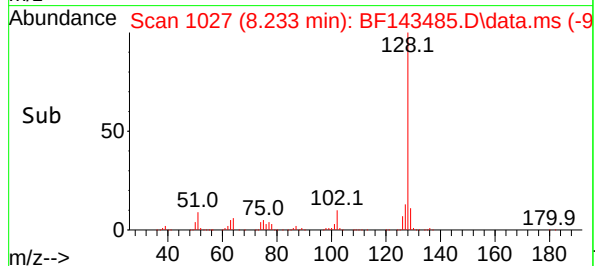
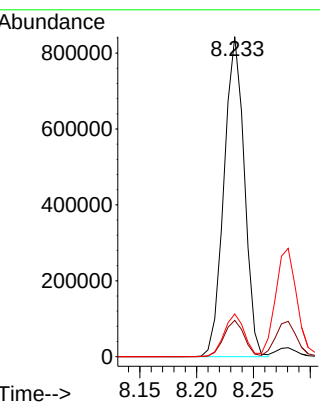
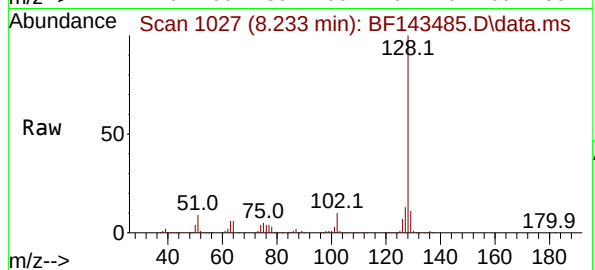
Tgt Ion:128 Resp: 1050936

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 41.489 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.024 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

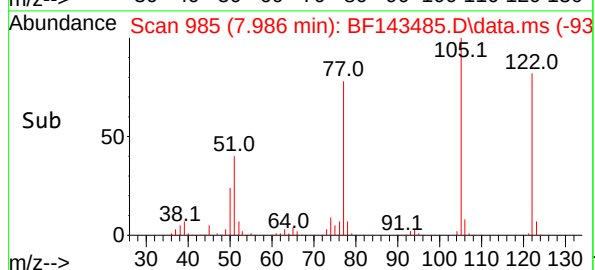
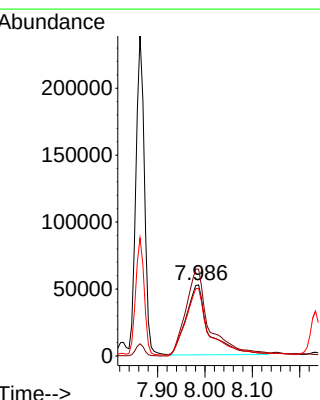
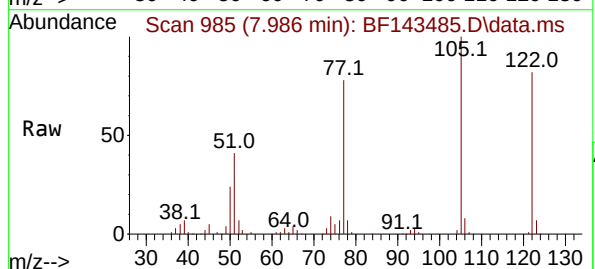
Tgt Ion:122 Resp: 174224

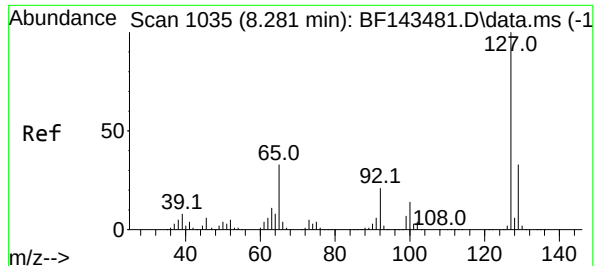
Ion Ratio Lower Upper

122 100

105 122.1 104.7 144.7

77 95.0 77.3 117.3





#33

4-Chloroaniline

Concen: 40.234 ng

RT: 8.281 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

Tgt Ion:127 Resp: 384473

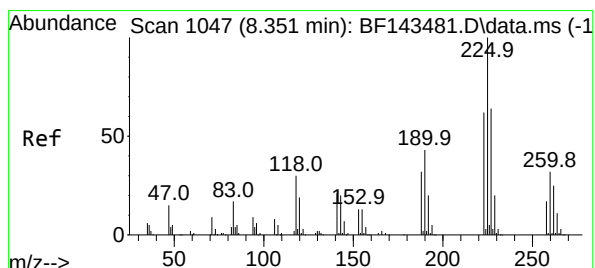
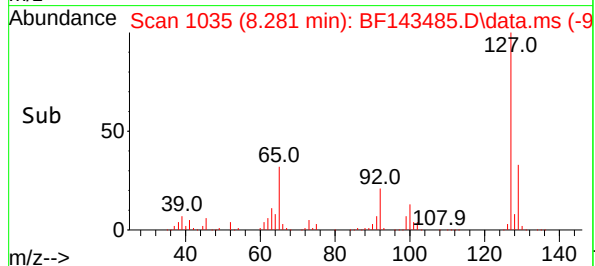
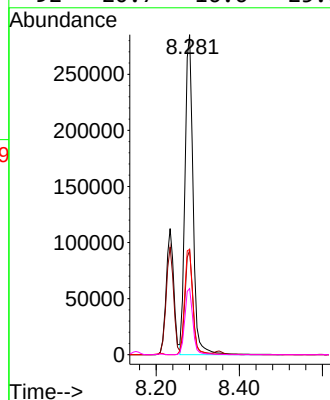
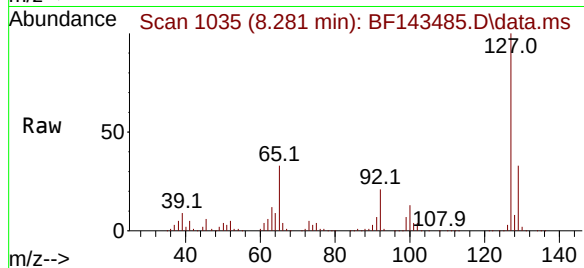
Ion Ratio Lower Upper

127 100

129 32.6 26.1 39.1

65 32.9 26.2 39.2

92 20.7 16.6 25.0



#34

Hexachlorobutadiene

Concen: 39.523 ng

RT: 8.351 min Scan# 1047

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

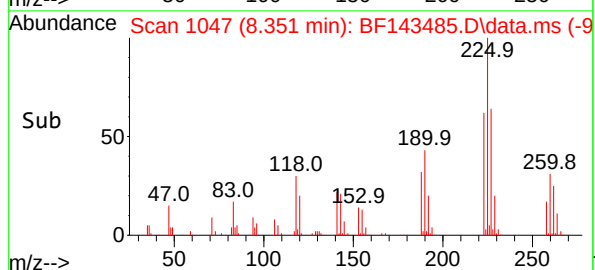
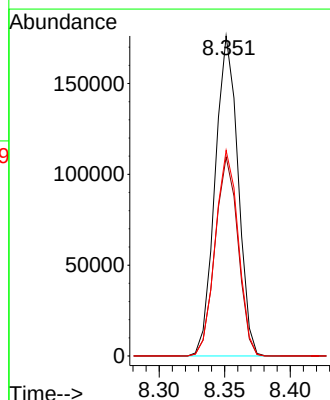
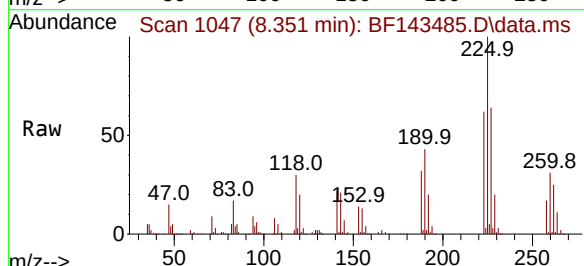
Tgt Ion:225 Resp: 213848

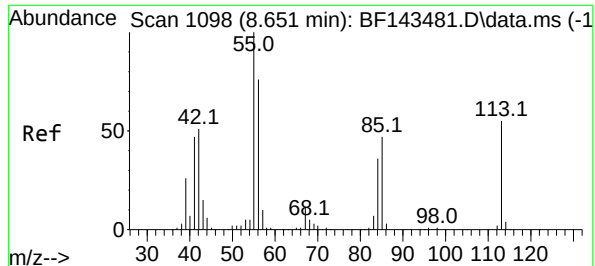
Ion Ratio Lower Upper

225 100

223 62.2 49.9 74.9

227 64.2 50.9 76.3





#35

Caprolactam

Concen: 44.838 ng

RT: 8.651 min Scan# 1109

Delta R.T. -0.024 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

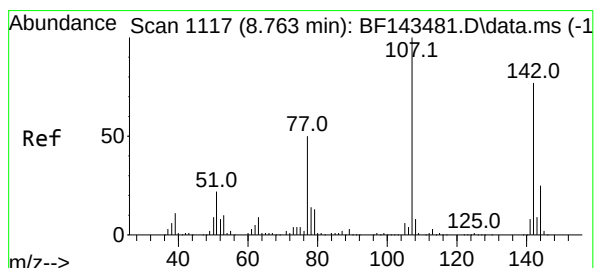
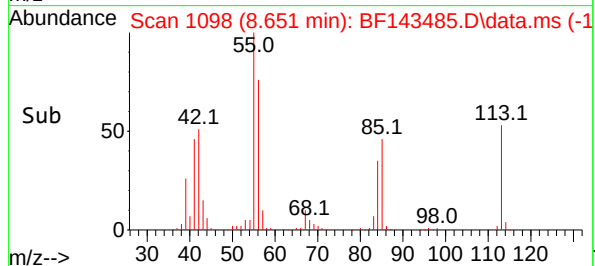
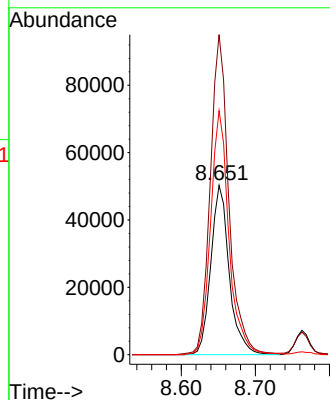
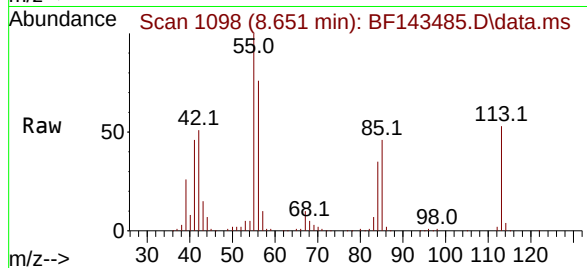
Tgt Ion:113 Resp: 86788

Ion Ratio Lower Upper

113 100

55 188.9 162.8 202.8

56 144.0 118.1 158.1



#36

4-Chloro-3-methylphenol

Concen: 40.569 ng

RT: 8.763 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

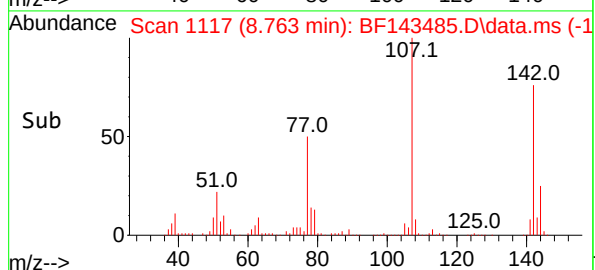
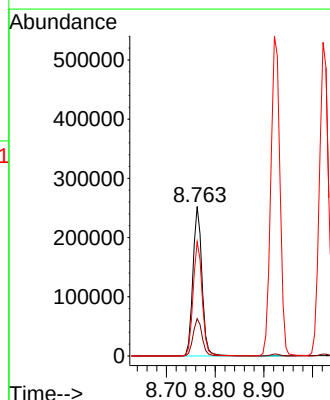
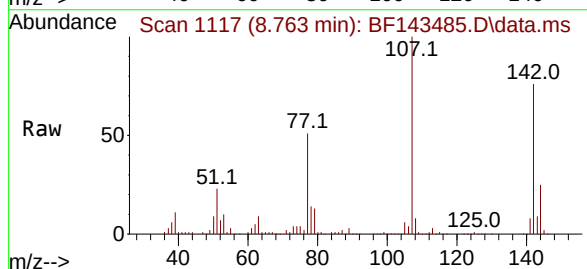
Tgt Ion:107 Resp: 327951

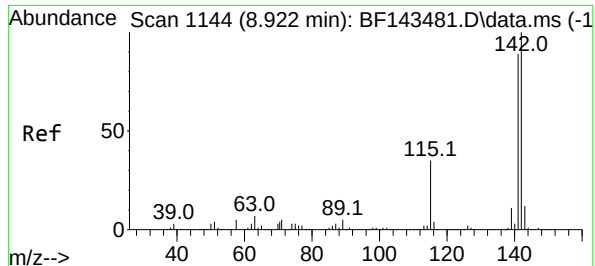
Ion Ratio Lower Upper

107 100

144 24.9 19.9 29.9

142 76.5 61.8 92.8





#37

2-Methylnaphthalene

Concen: 38.877 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

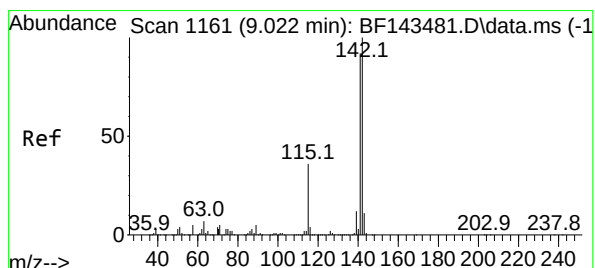
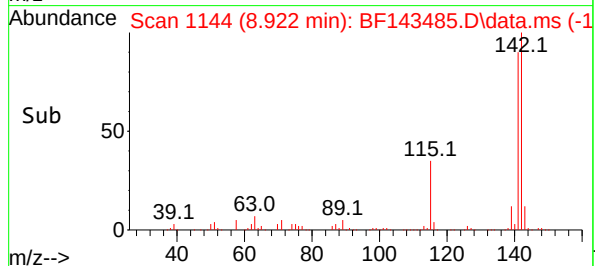
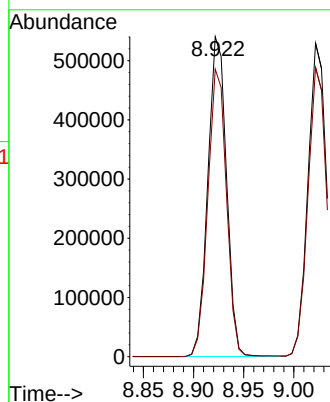
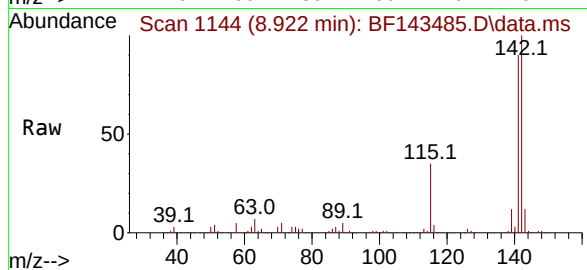
ICVBF082025

Tgt Ion:142 Resp: 699087

Ion Ratio Lower Upper

142 100

141 89.8 71.0 106.4



#38

1-Methylnaphthalene

Concen: 39.260 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF143485.D

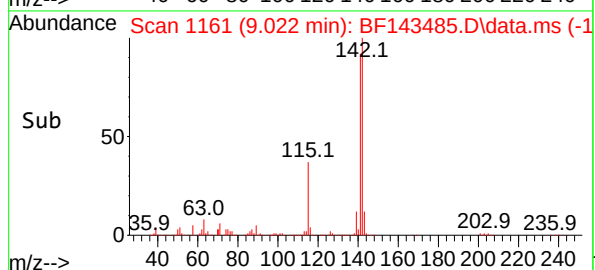
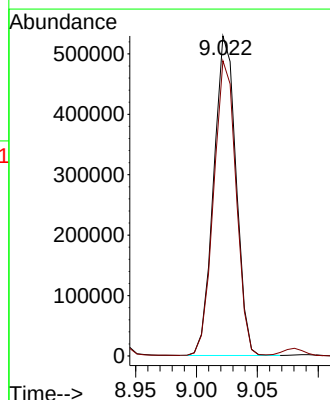
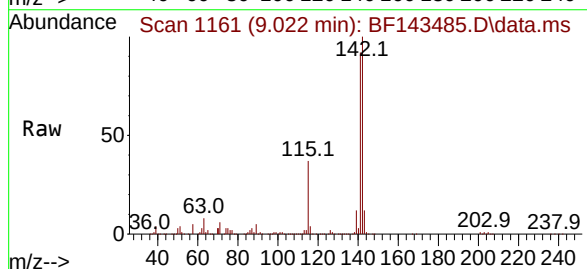
Acq: 20 Aug 2025 15:16

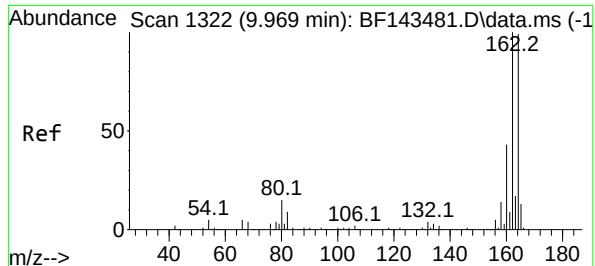
Tgt Ion:142 Resp: 675310

Ion Ratio Lower Upper

142 100

141 92.3 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

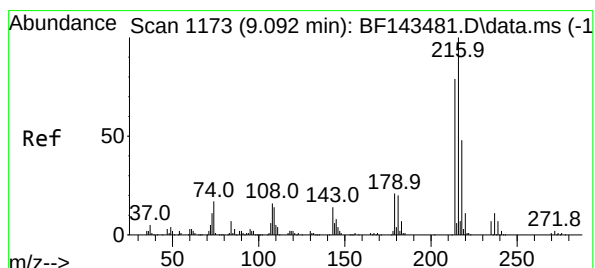
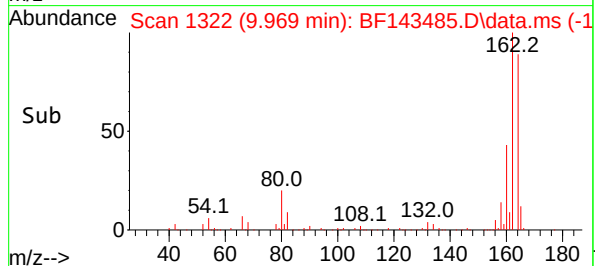
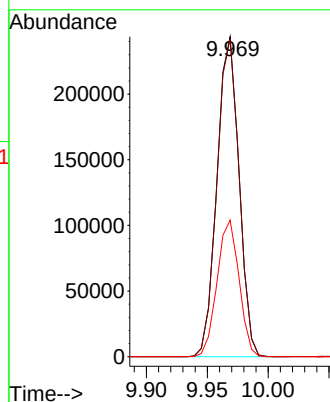
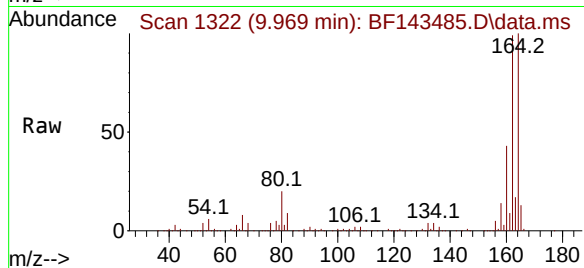
Tgt Ion:164 Resp: 307376

Ion Ratio Lower Upper

164 100

162 99.2 80.5 120.7

160 42.7 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.786 ng

RT: 9.092 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Tgt Ion:216 Resp: 341006

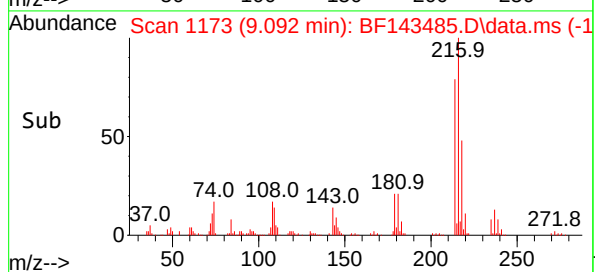
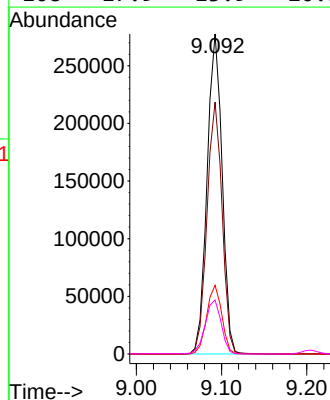
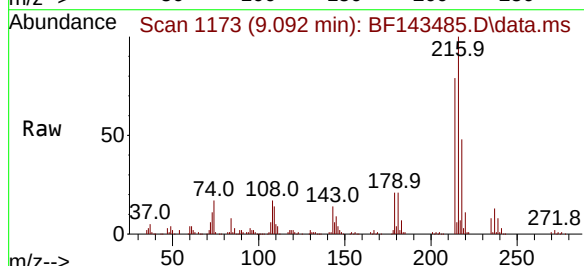
Ion Ratio Lower Upper

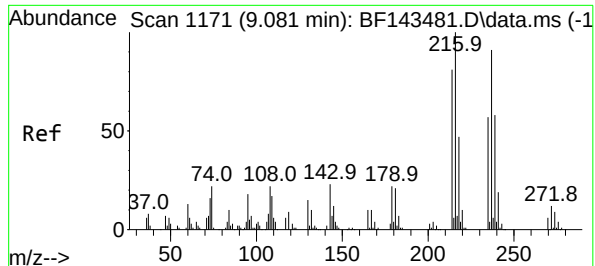
216 100

214 78.7 63.4 95.0

179 21.5 16.5 24.7

108 17.9 13.9 20.9

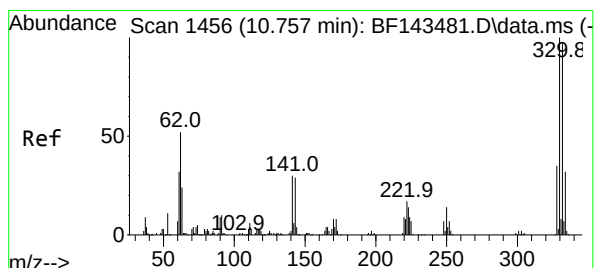
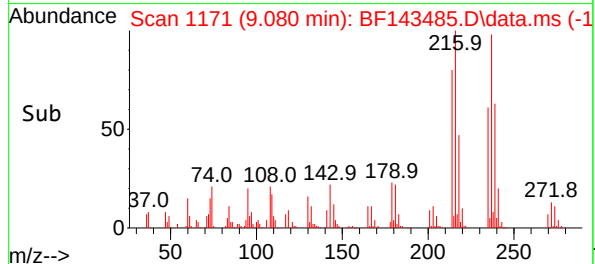
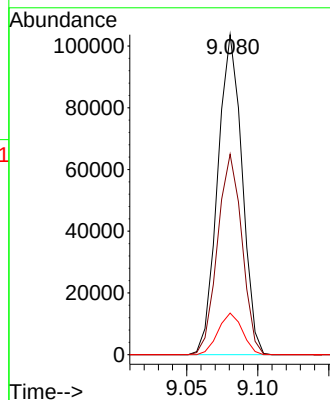
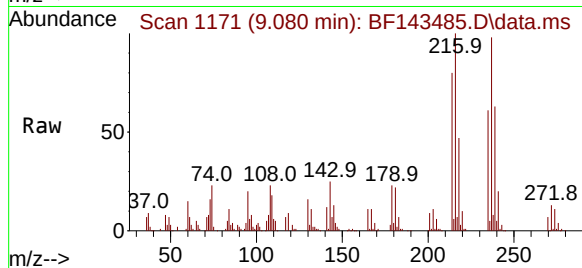




#41
Hexachlorocyclopentadiene
Concen: 39.756 ng
RT: 9.080 min Scan# 1171
Delta R.T. -0.001 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

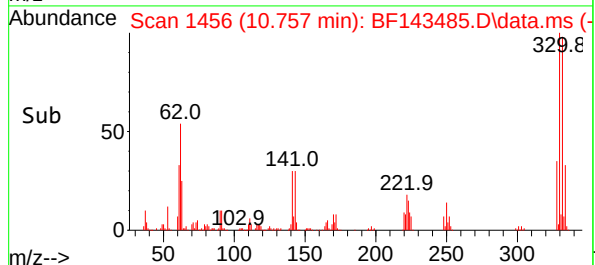
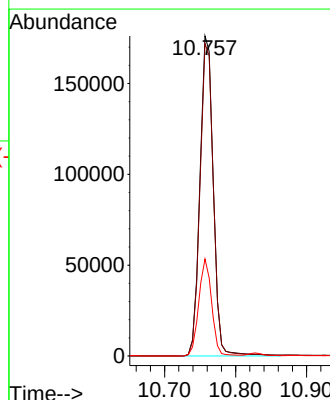
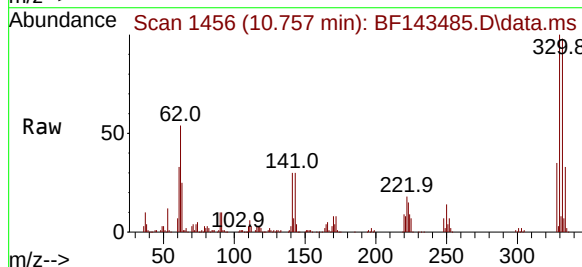
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

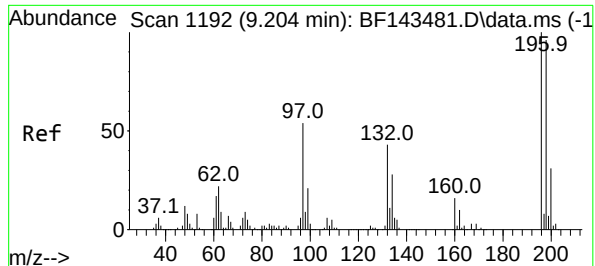
Tgt Ion: 237 Resp: 123767
Ion Ratio Lower Upper
237 100
235 62.7 42.6 82.6
272 13.0 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 80.753 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 330 Resp: 231053
Ion Ratio Lower Upper
330 100
332 97.7 78.0 117.0
141 29.3 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 41.105 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

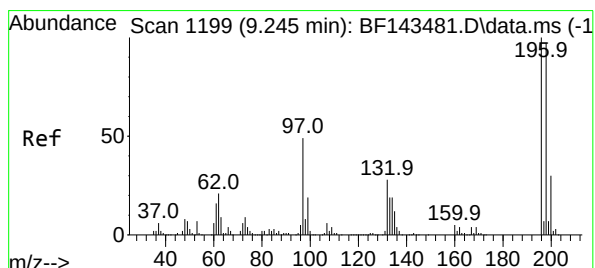
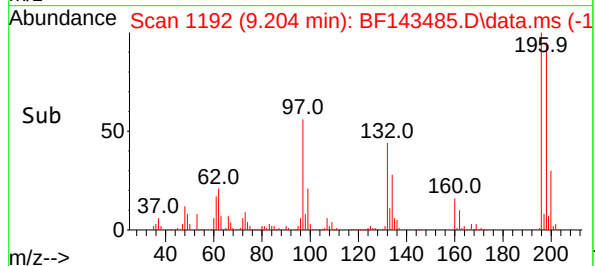
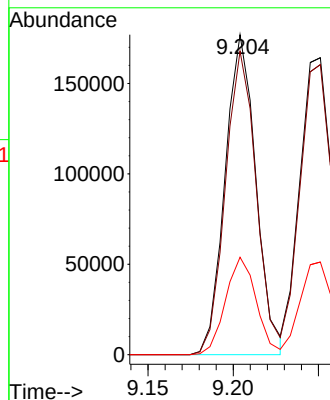
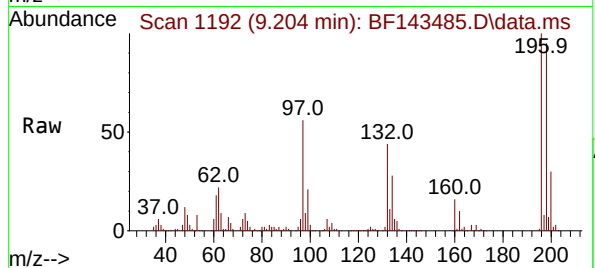
Tgt Ion:196 Resp: 222378

Ion Ratio Lower Upper

196 100

198 94.8 77.0 115.4

200 30.4 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 39.178 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Tgt Ion:196 Resp: 231521

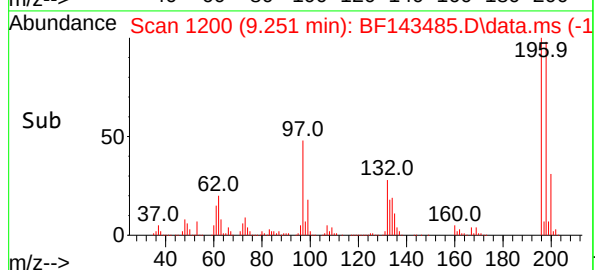
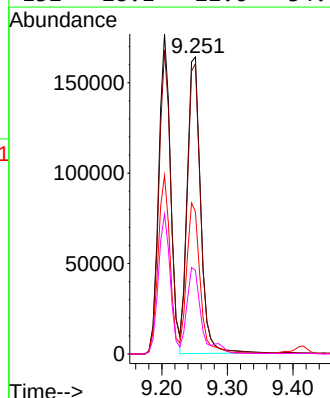
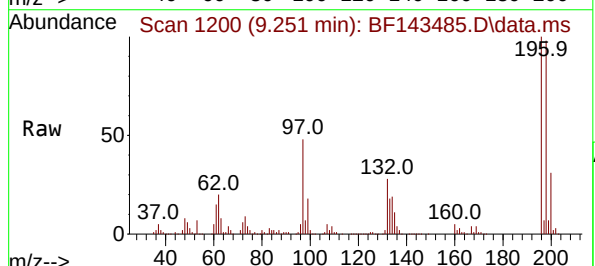
Ion Ratio Lower Upper

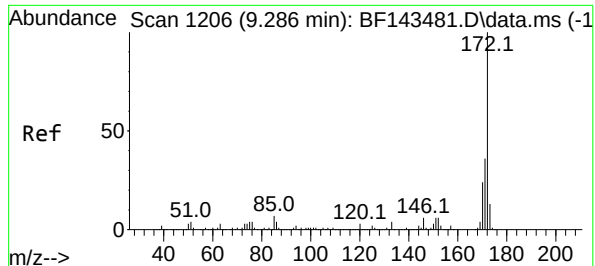
196 100

198 97.7 77.3 115.9

97 47.9 40.0 60.0

132 28.1 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 76.290 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

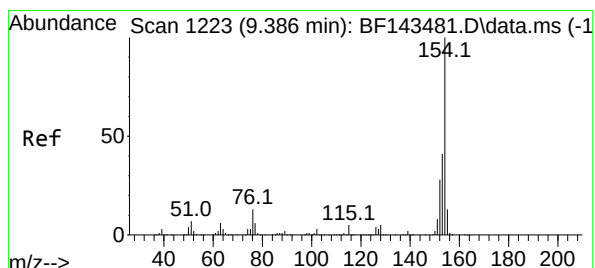
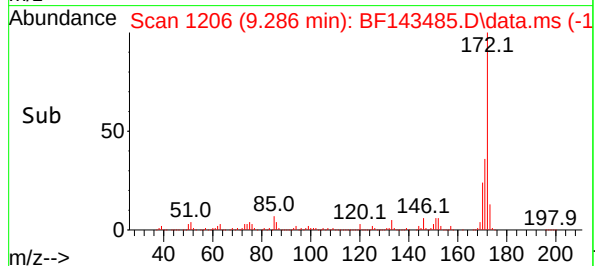
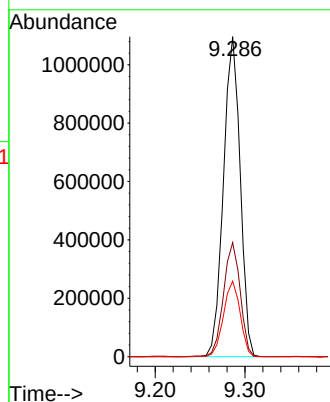
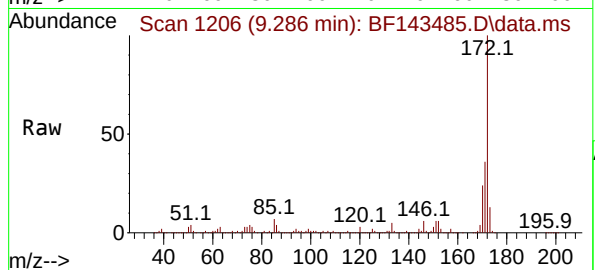
Tgt Ion:172 Resp: 1418903

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 38.997 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

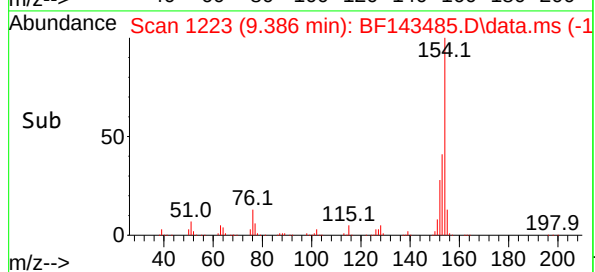
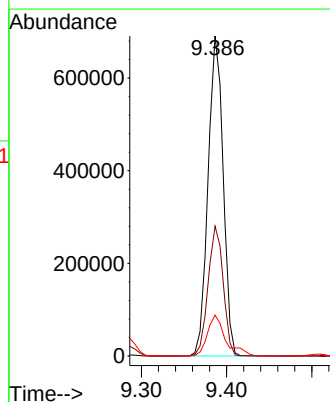
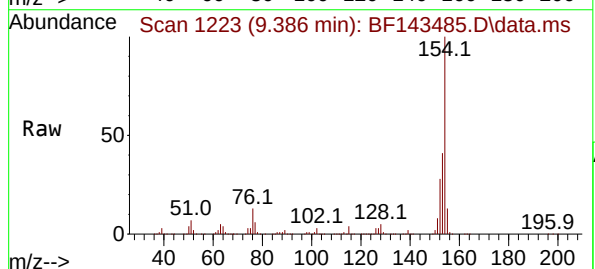
Tgt Ion:154 Resp: 850787

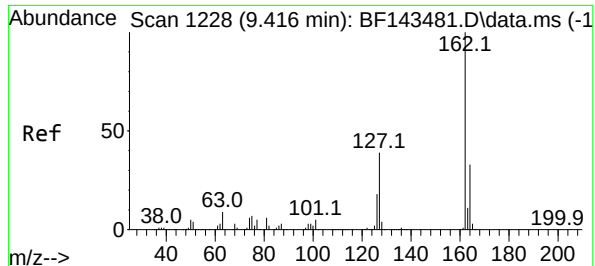
Ion Ratio Lower Upper

154 100

153 40.5 20.6 60.6

76 12.8 0.0 33.0





#47

2-Chloronaphthalene

Concen: 39.068 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

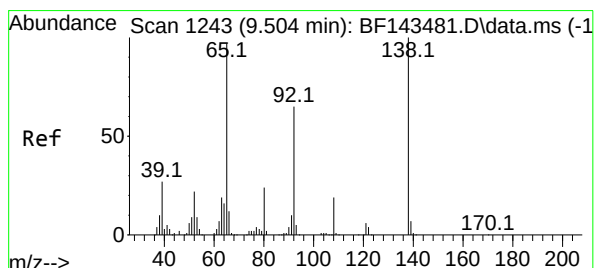
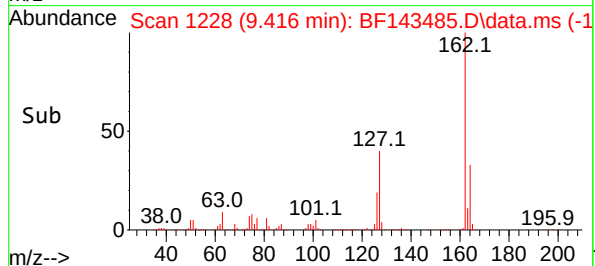
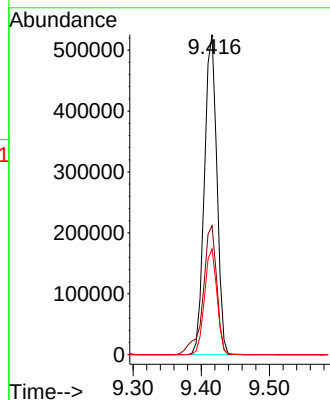
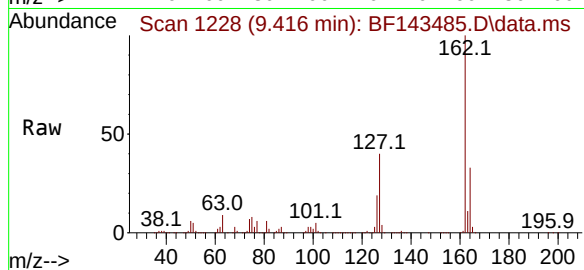
Tgt Ion:162 Resp: 668760

Ion Ratio Lower Upper

162 100

127 40.4 31.8 47.6

164 33.0 26.4 39.6



#48

2-Nitroaniline

Concen: 41.861 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

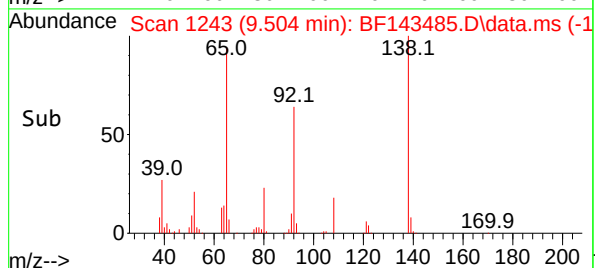
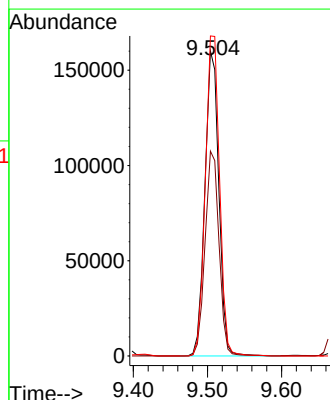
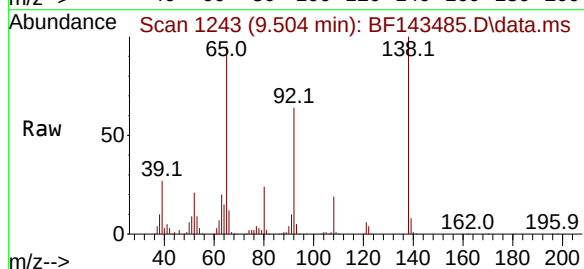
Tgt Ion: 65 Resp: 209716

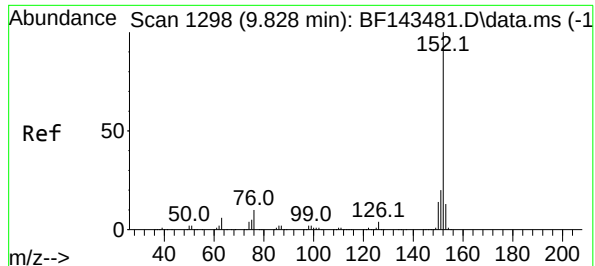
Ion Ratio Lower Upper

65 100

92 67.1 53.8 80.6

138 104.9 82.4 123.6





#49

Acenaphthylene

Concen: 39.557 ng

RT: 9.827 min Scan# 1298

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

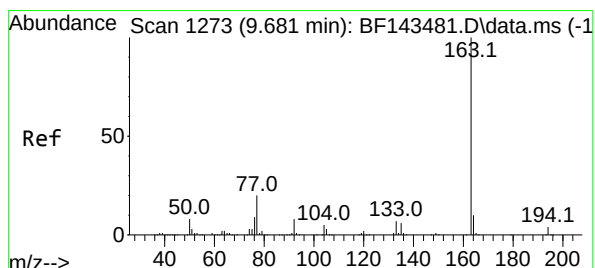
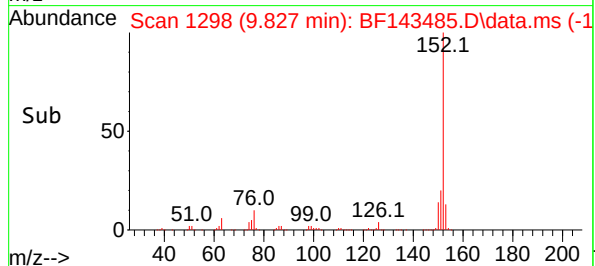
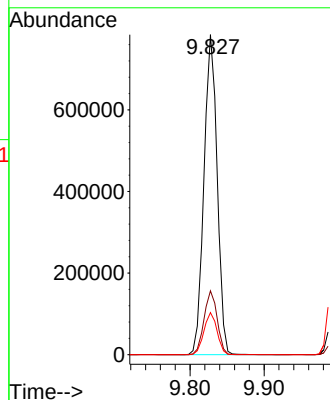
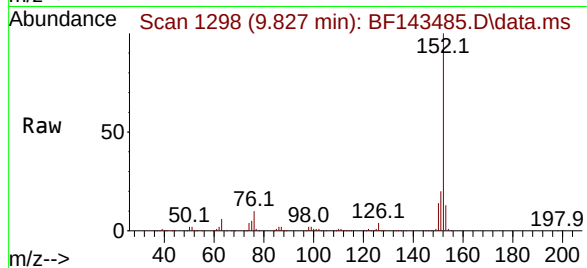
Tgt Ion:152 Resp: 969574

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

153 13.1 10.6 15.8



#50

Dimethylphthalate

Concen: 40.935 ng

RT: 9.680 min Scan# 1273

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

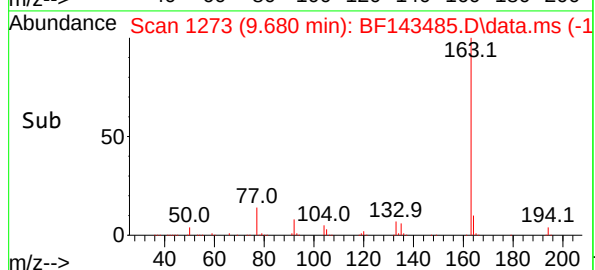
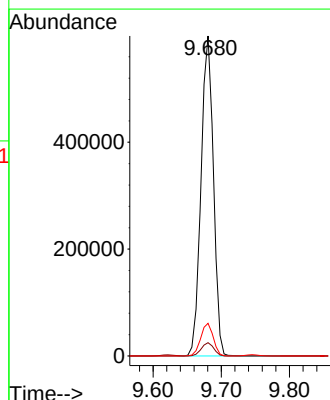
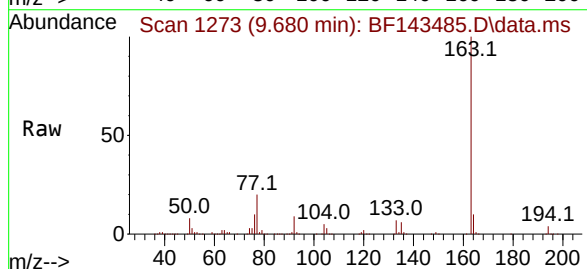
Tgt Ion:163 Resp: 757804

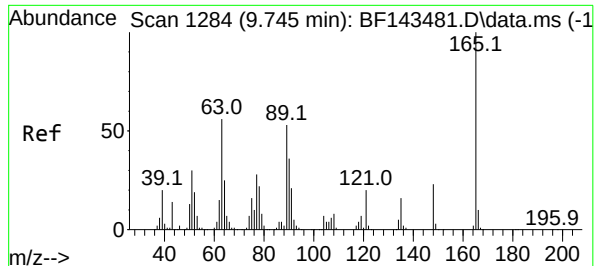
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 42.459 ng

RT: 9.745 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

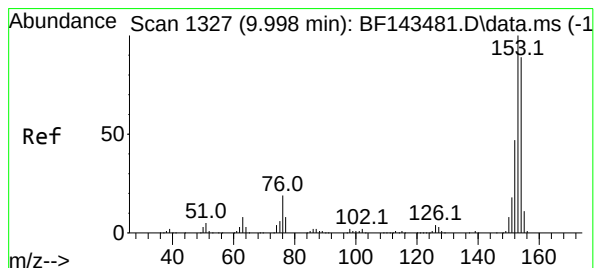
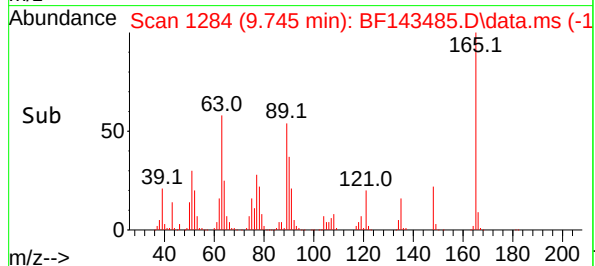
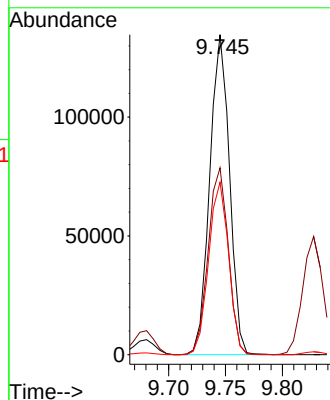
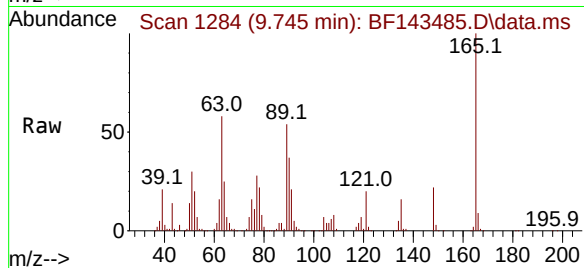
Tgt Ion:165 Resp: 162905

Ion Ratio Lower Upper

165 100

63 58.4 45.0 67.6

89 53.9 42.5 63.7



#52

Acenaphthene

Concen: 39.941 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

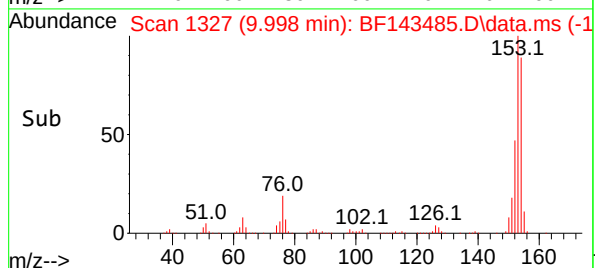
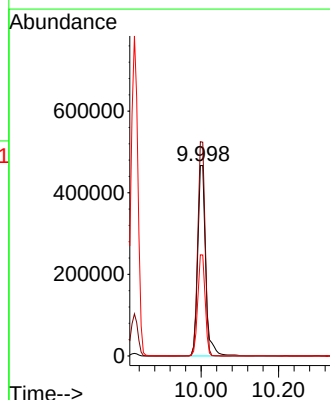
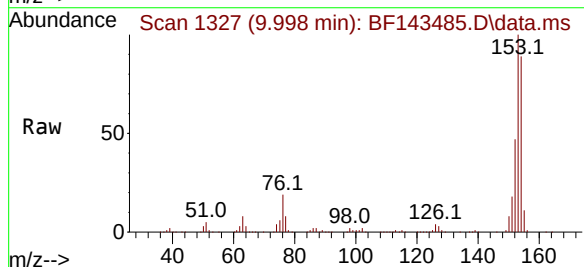
Tgt Ion:154 Resp: 664685

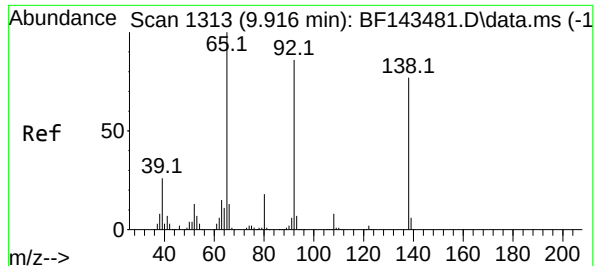
Ion Ratio Lower Upper

154 100

153 112.5 89.5 134.3

152 53.1 42.5 63.7





#53

3-Nitroaniline

Concen: 42.506 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

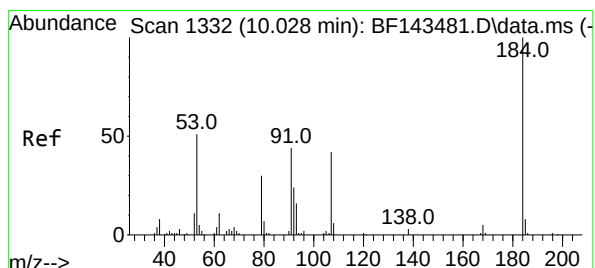
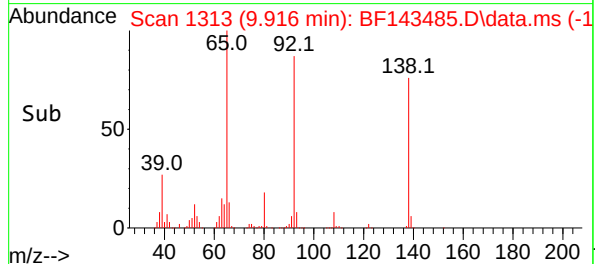
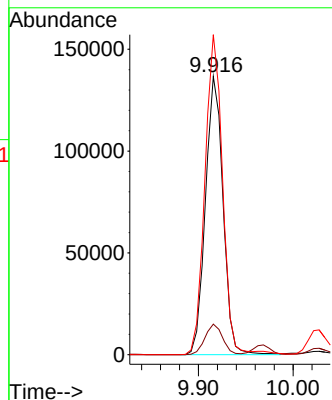
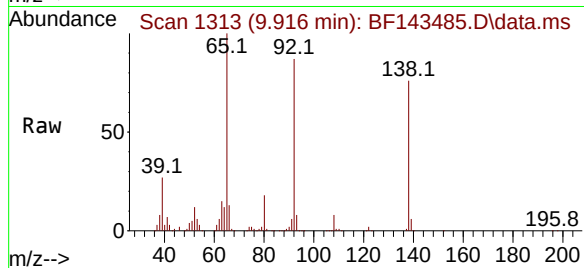
Tgt Ion:138 Resp: 176223

Ion Ratio Lower Upper

138 100

108 11.0 8.6 13.0

92 115.0 89.8 134.8



#54

2,4-Dinitrophenol

Concen: 43.761 ng

RT: 10.027 min Scan# 1332

Delta R.T. -0.001 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

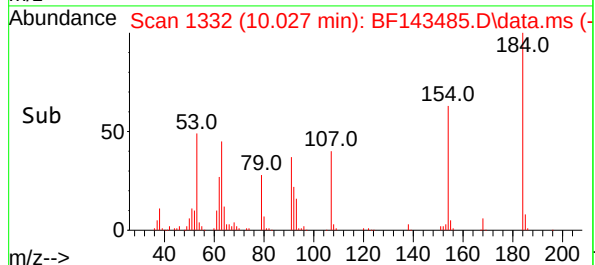
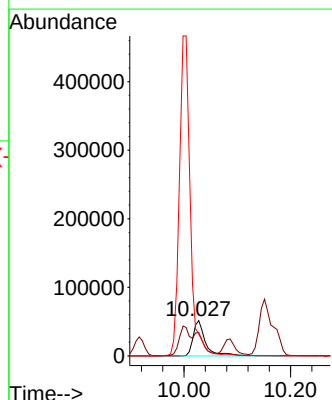
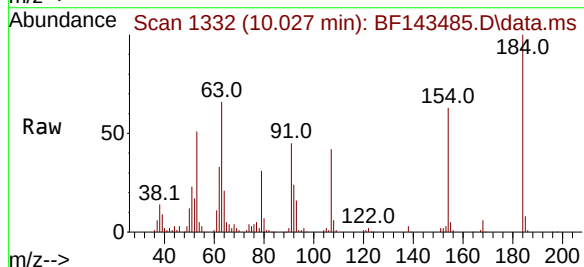
Tgt Ion:184 Resp: 84522

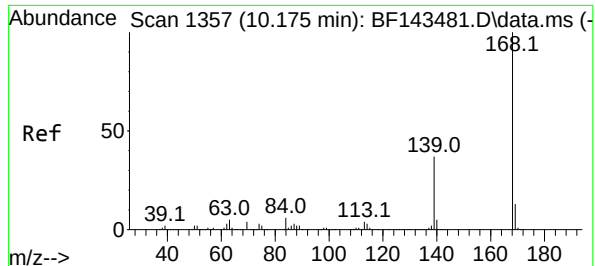
Ion Ratio Lower Upper

184 100

63 66.1 52.6 78.8

154 62.6 51.0 76.4





#55

Dibenzofuran

Concen: 39.023 ng

RT: 10.175 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

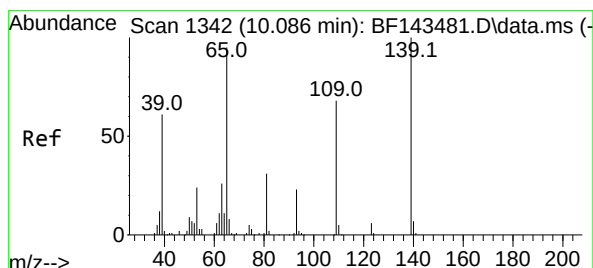
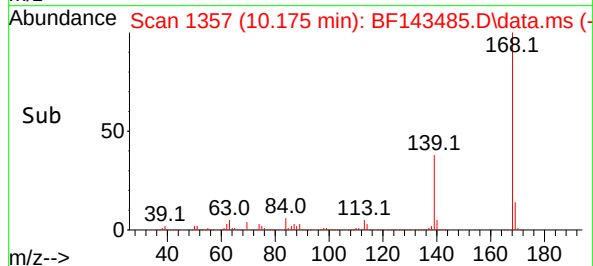
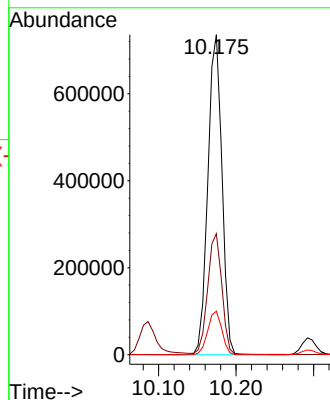
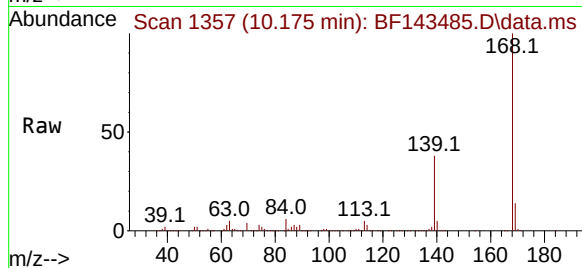
Tgt Ion:168 Resp: 925864

Ion Ratio Lower Upper

168 100

139 37.8 29.8 44.6

169 13.6 10.8 16.2



#56

4-Nitrophenol

Concen: 46.387 ng

RT: 10.086 min Scan# 1342

Delta R.T. 0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

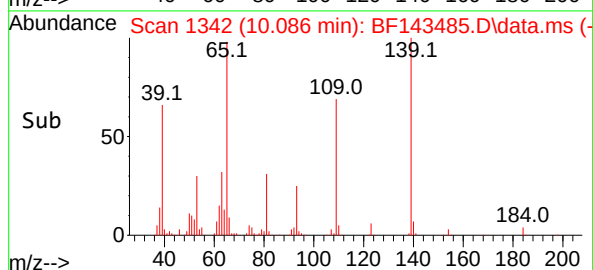
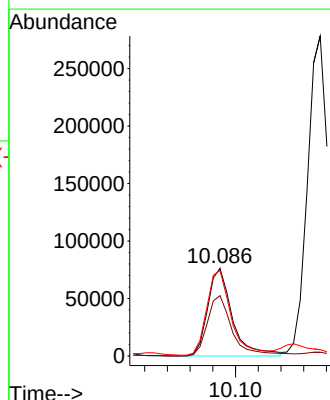
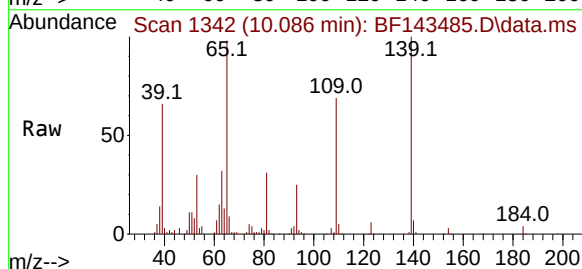
Tgt Ion:139 Resp: 114429

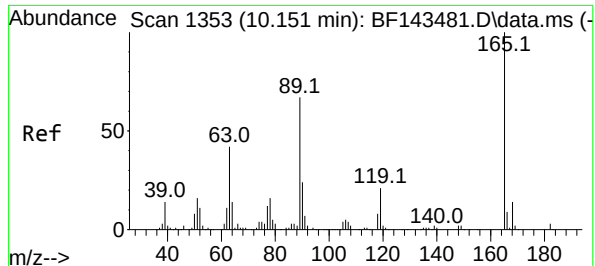
Ion Ratio Lower Upper

139 100

109 68.9 48.2 88.2

65 97.6 75.8 115.8

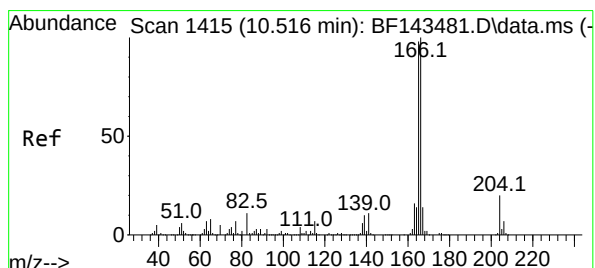
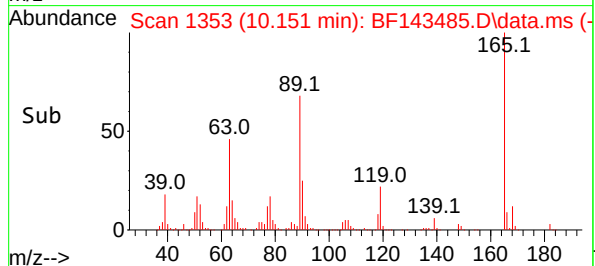
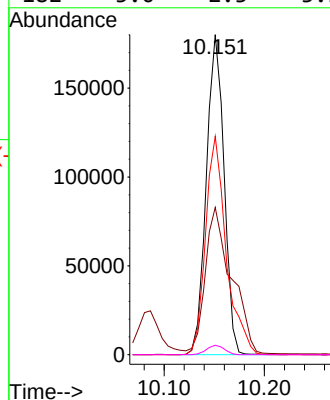
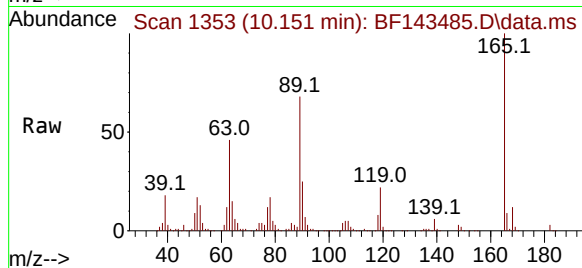




#57
2,4-Dinitrotoluene
Concen: 43.183 ng
RT: 10.151 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

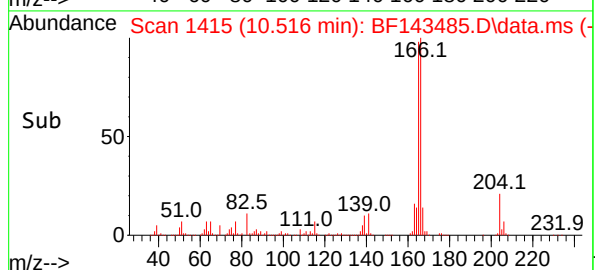
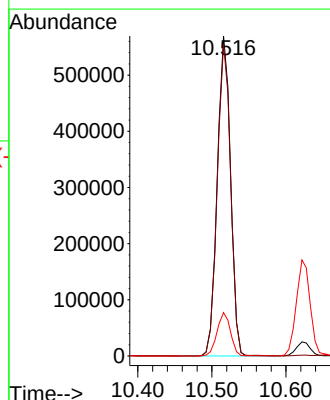
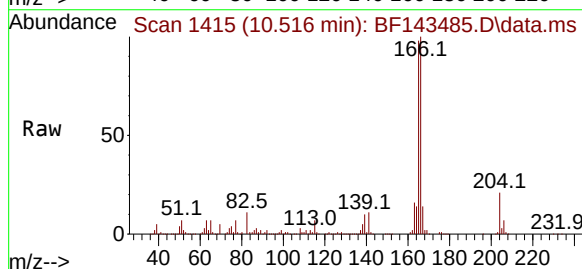
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

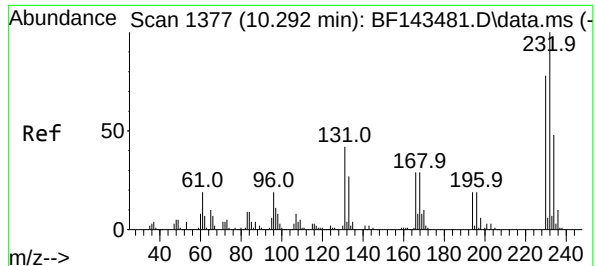
Tgt Ion:165	Resp: 221231
Ion Ratio	Lower Upper
165	100
63	46.0 34.9 52.3
89	68.2 53.3 79.9
182	3.0 2.3 3.5



#58
Fluorene
Concen: 38.901 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:166	Resp: 710368
Ion Ratio	Lower Upper
166	100
165	97.5 78.3 117.5
167	13.5 11.0 16.4

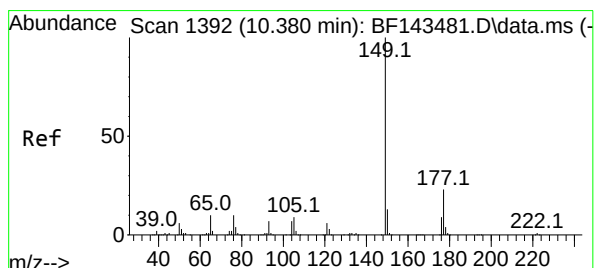
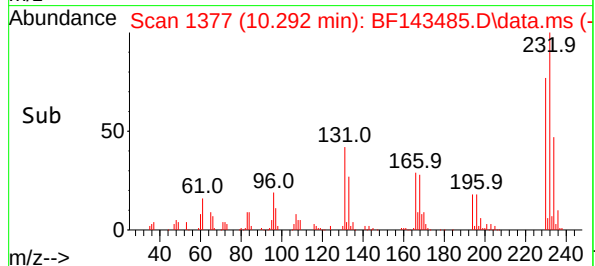
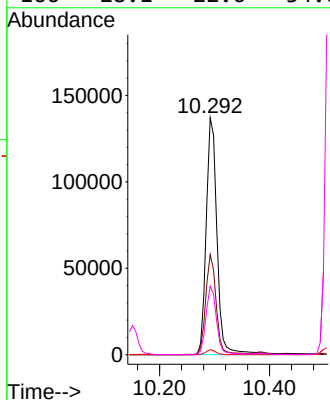
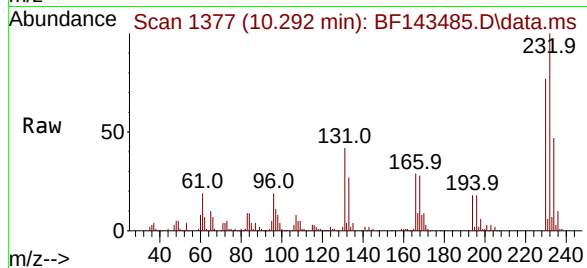




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.767 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

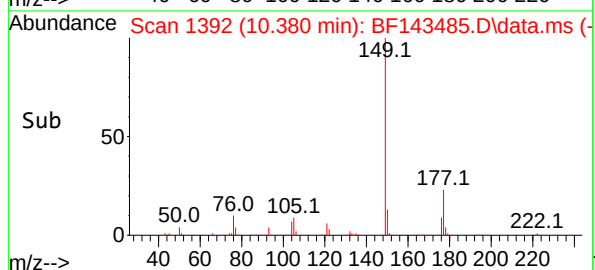
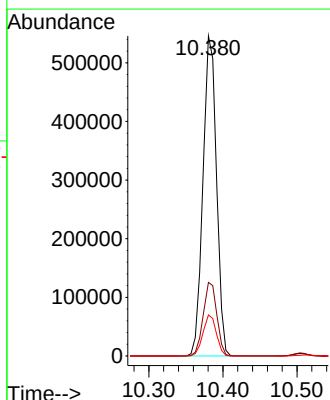
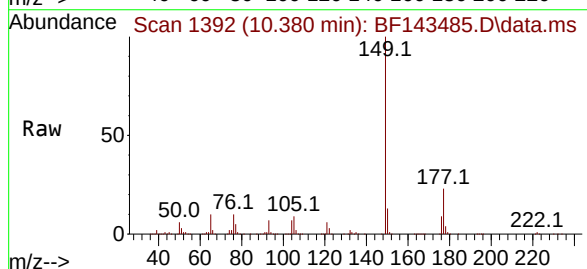
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

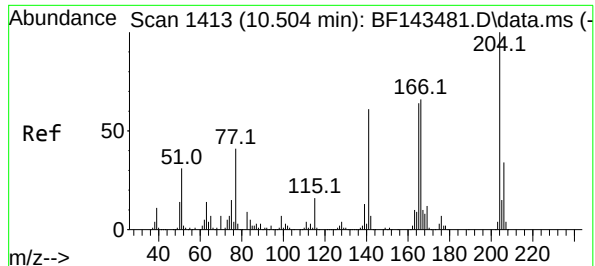
Tgt Ion:232 Resp: 187764
Ion Ratio Lower Upper
232 100
131 40.8 32.7 49.1
130 1.9 1.6 2.4
166 28.1 22.6 34.0



#60
Diethylphthalate
Concen: 41.708 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:149 Resp: 692256
Ion Ratio Lower Upper
149 100
177 23.0 18.3 27.5
150 12.8 10.3 15.5

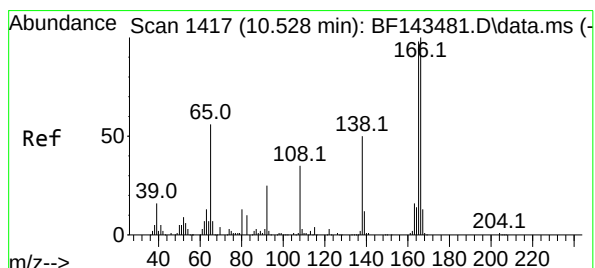
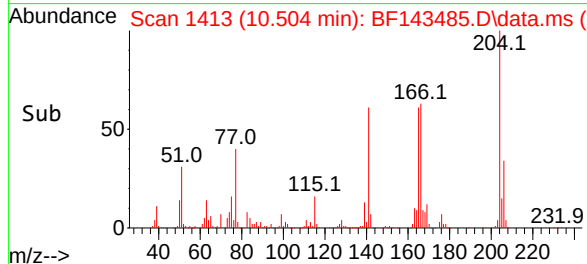
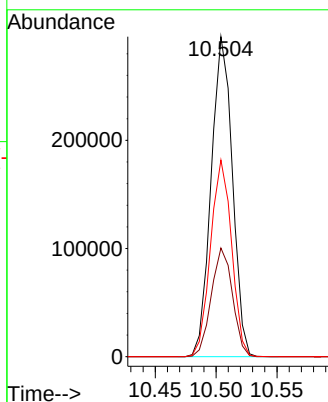
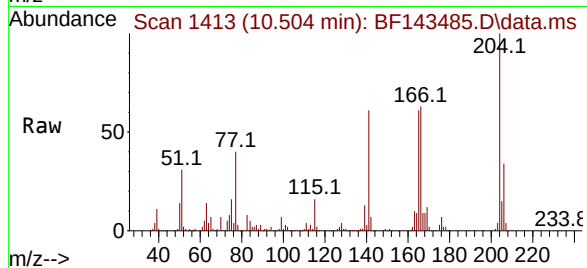




#61
4-Chlorophenyl-phenylether
Concen: 39.269 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

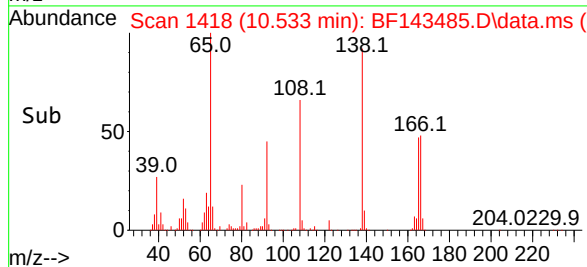
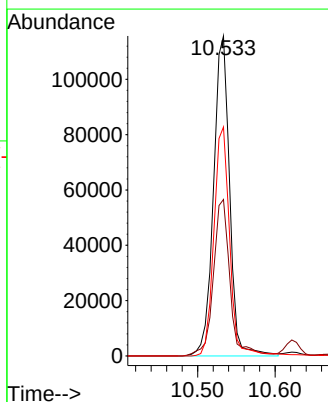
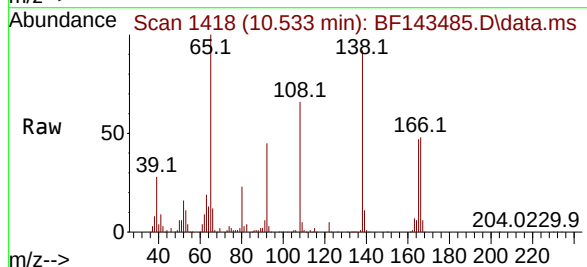
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

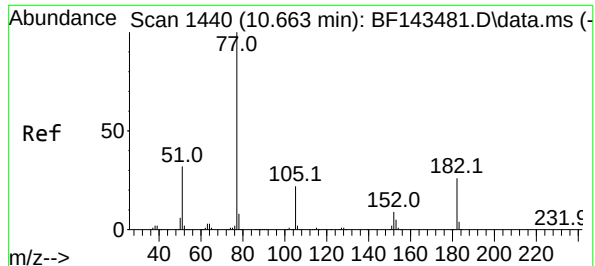
Tgt Ion:204 Resp: 358628
Ion Ratio Lower Upper
204 100
206 33.9 27.0 40.4
141 61.4 48.7 73.1



#62
4-Nitroaniline
Concen: 43.927 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:138 Resp: 167278
Ion Ratio Lower Upper
138 100
92 48.9 29.3 69.3
108 71.6 50.7 90.7

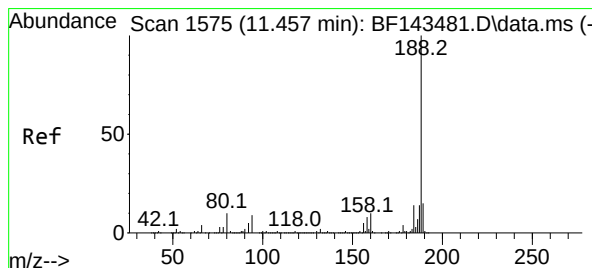
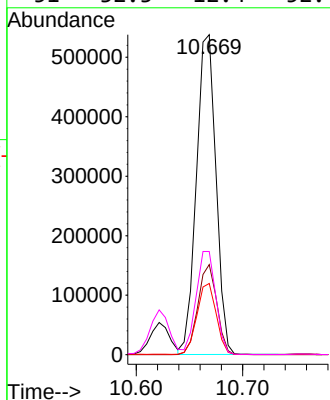
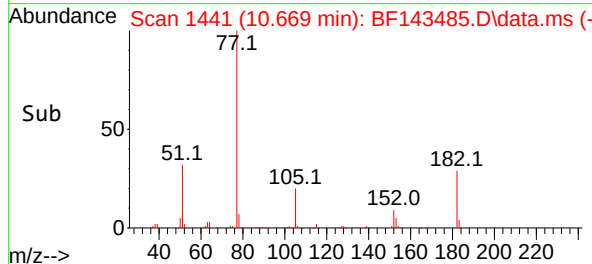
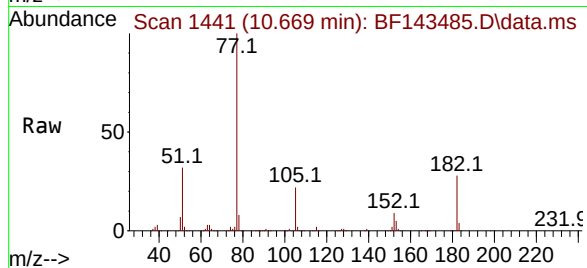




#63
Azobenzene
Concen: 39.982 ng
RT: 10.669 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

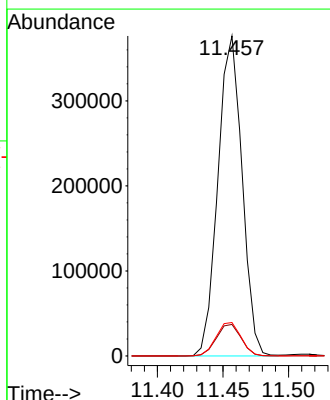
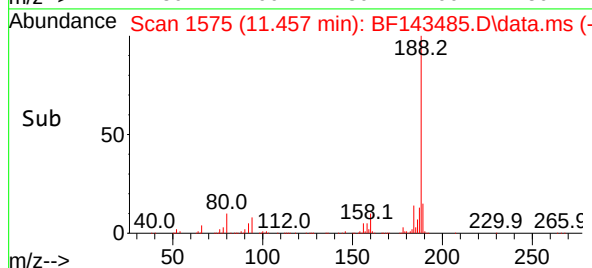
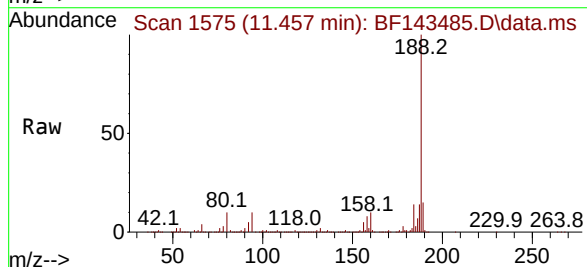
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

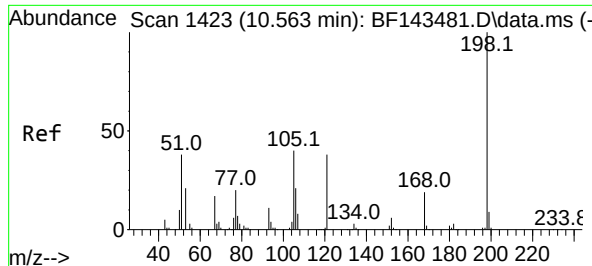
Tgt Ion: 77	Resp: 688082
Ion Ratio	Lower Upper
77	100
182	28.2 6.2 46.2
105	22.2 2.2 42.2
51	32.3 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 188	Resp: 481864
Ion Ratio	Lower Upper
188	100
94	9.9 7.4 11.2
80	10.5 8.2 12.4

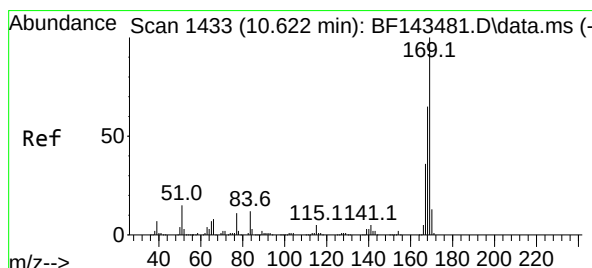
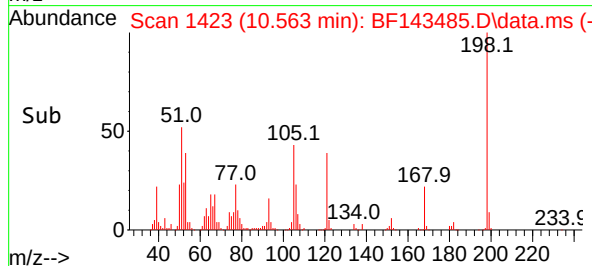
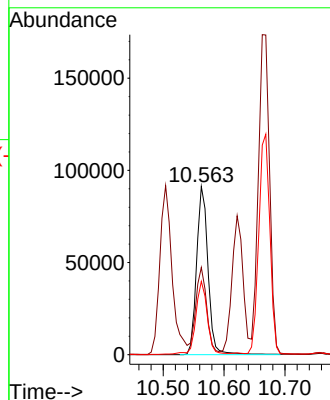
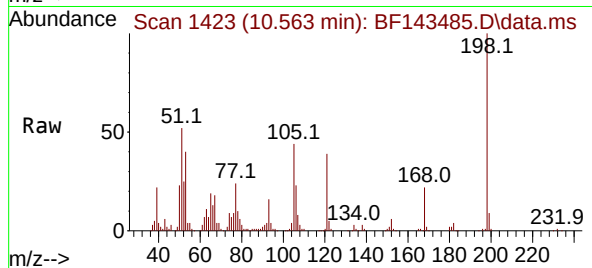




#65
4,6-Dinitro-2-methylphenol
Concen: 43.849 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

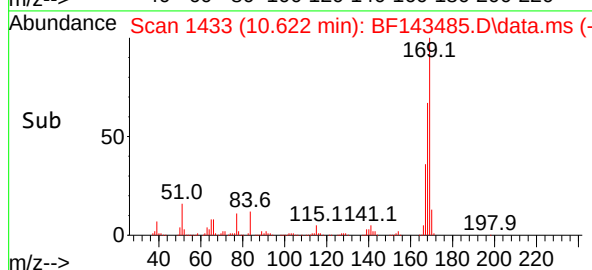
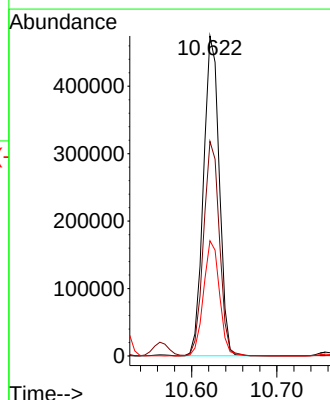
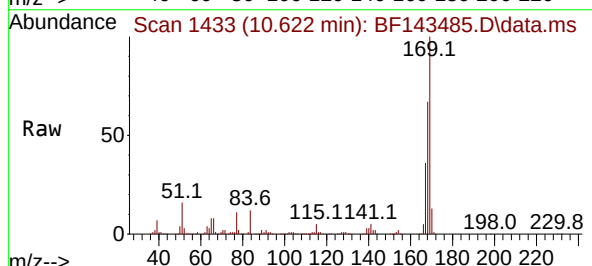
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

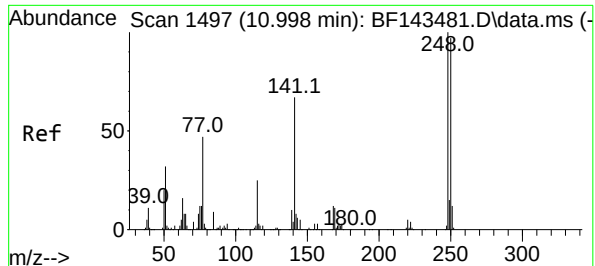
Tgt Ion:198 Resp: 119136
Ion Ratio Lower Upper
198 100
51 51.9 29.6 69.6
105 43.6 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 39.212 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:169 Resp: 608072
Ion Ratio Lower Upper
169 100
168 67.0 52.4 78.6
167 36.0 28.9 43.3

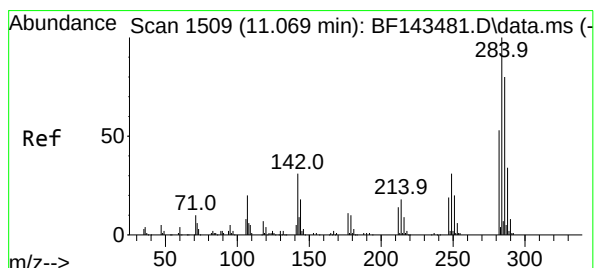
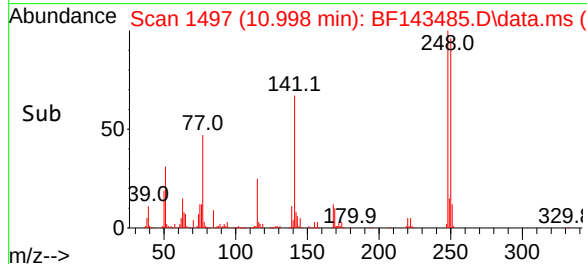
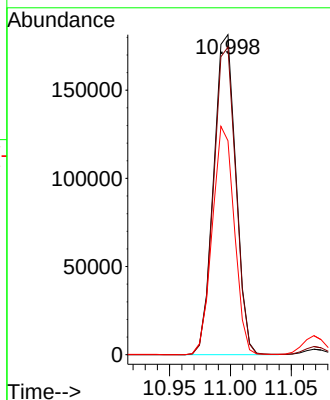
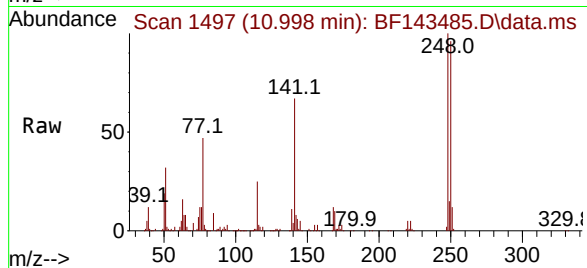




#67
4-Bromophenyl-phenylether
Concen: 40.305 ng
RT: 10.998 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

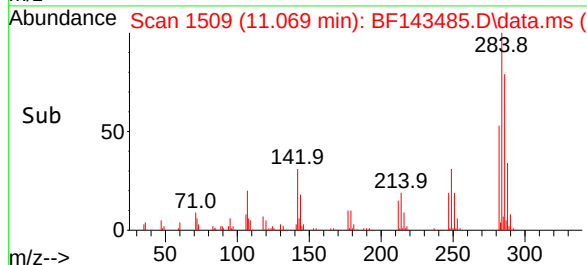
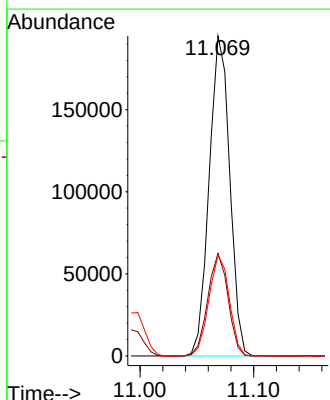
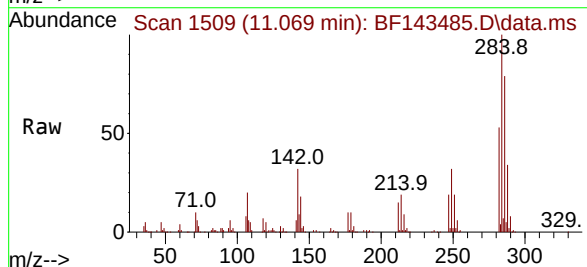
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

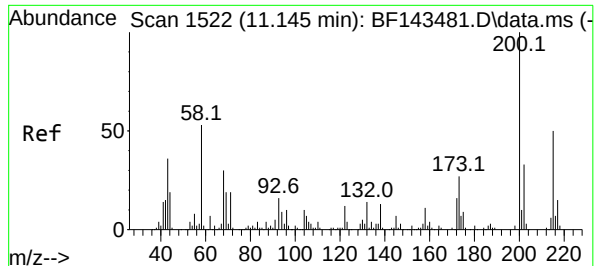
Tgt Ion:248 Resp: 231727
Ion Ratio Lower Upper
248 100
250 96.1 77.8 116.8
141 66.9 54.0 81.0



#68
Hexachlorobenzene
Concen: 39.544 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:284 Resp: 245068
Ion Ratio Lower Upper
284 100
142 32.1 24.4 36.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 43.693 ng

RT: 11.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

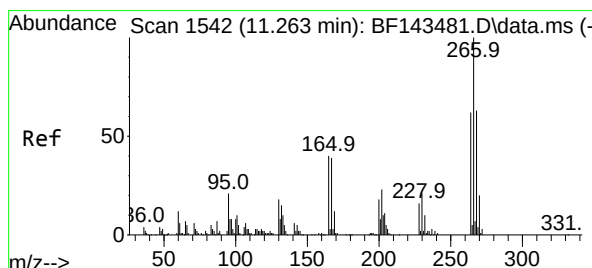
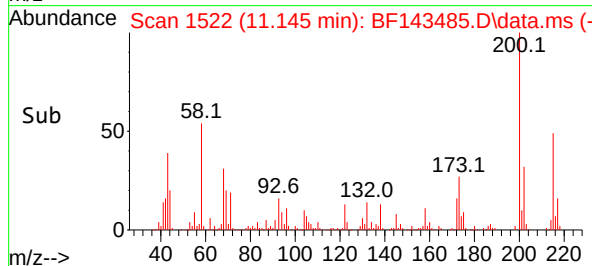
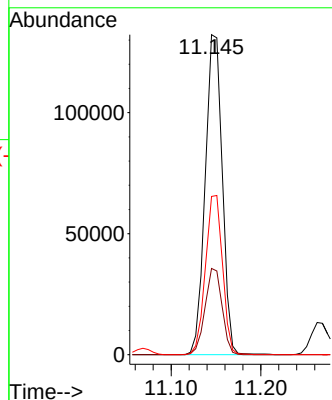
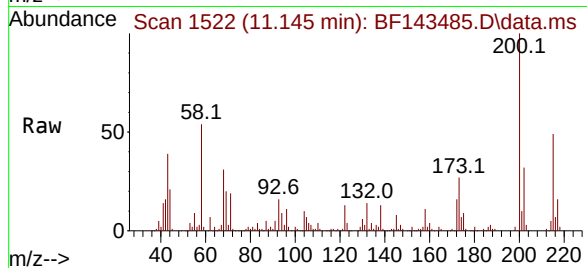
Tgt Ion:200 Resp: 174902

Ion Ratio Lower Upper

200 100

173 27.0 6.9 46.9

215 49.5 30.0 70.0



#70

Pentachlorophenol

Concen: 43.916 ng

RT: 11.269 min Scan# 1543

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

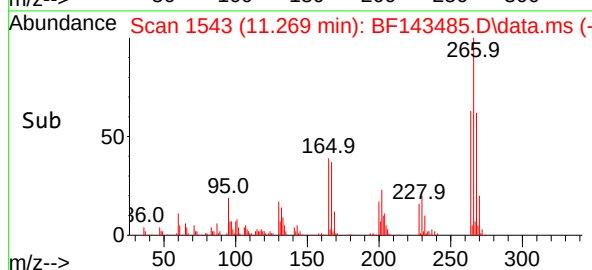
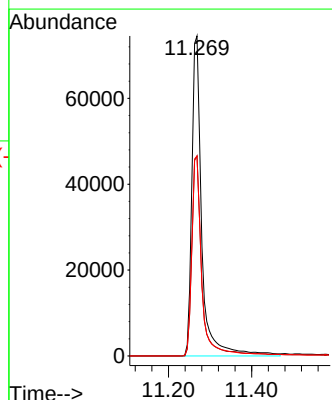
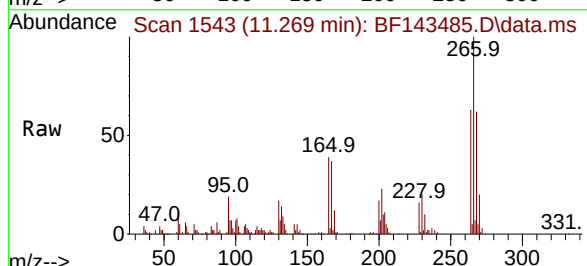
Tgt Ion:266 Resp: 124649

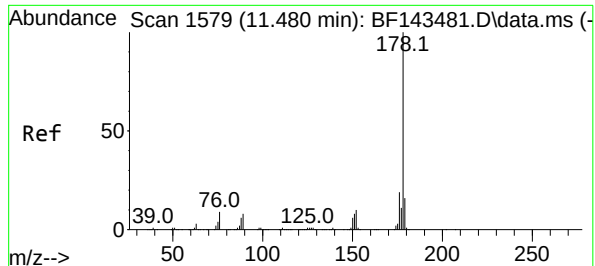
Ion Ratio Lower Upper

266 100

268 62.5 50.5 75.7

264 62.5 49.8 74.8





#71

Phenanthrene

Concen: 39.237 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

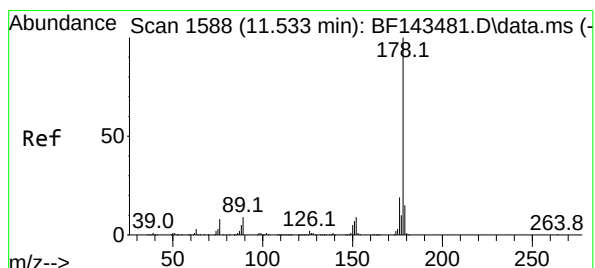
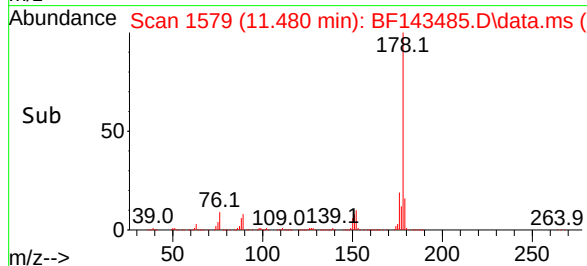
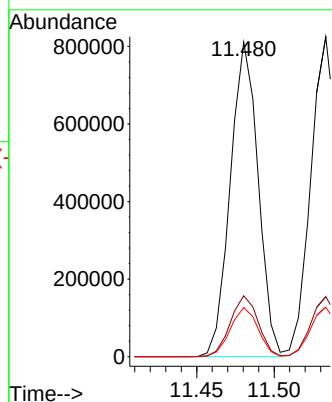
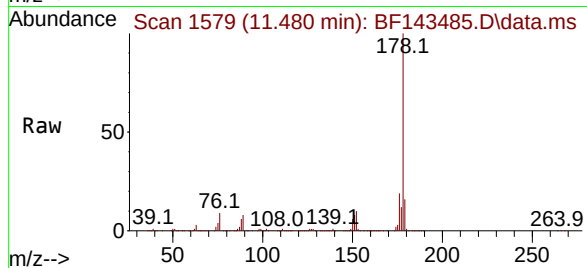
Tgt Ion:178 Resp: 1012486

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.6 12.5 18.7



#72

Anthracene

Concen: 39.390 ng

RT: 11.533 min Scan# 1588

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

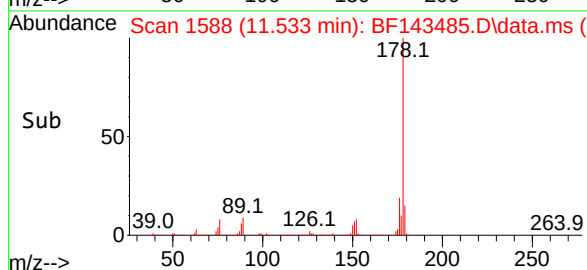
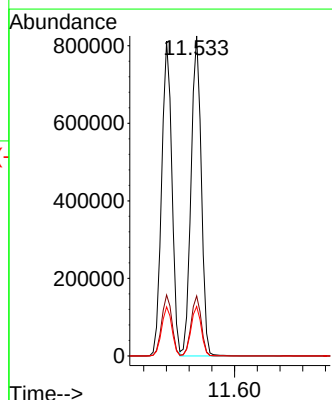
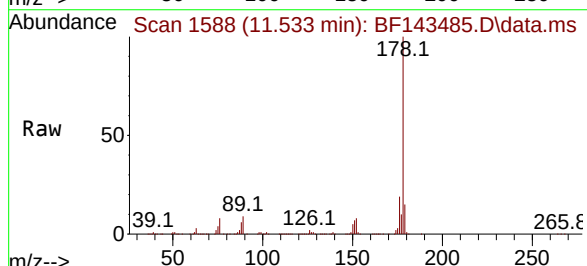
Tgt Ion:178 Resp: 1029696

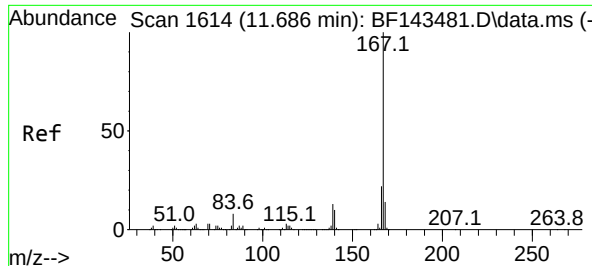
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.5 12.3 18.5

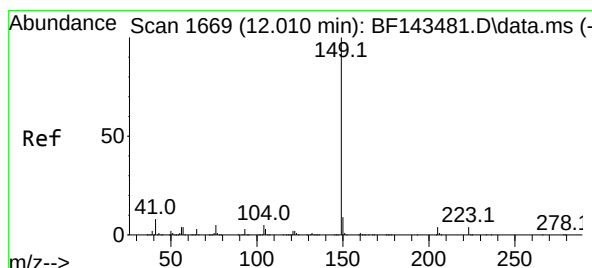
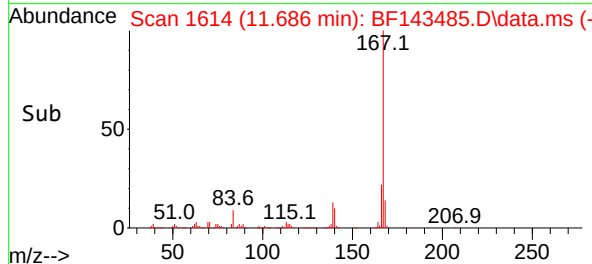
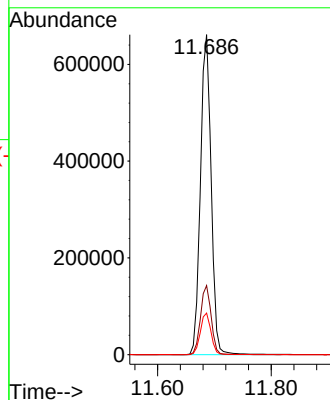
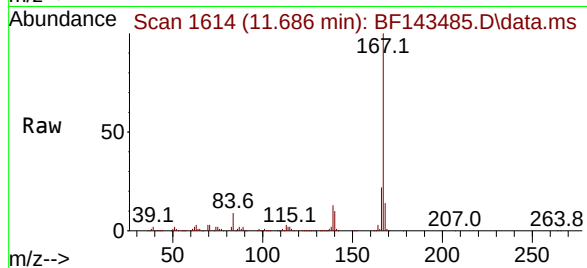




#73
Carbazole
Concen: 40.413 ng
RT: 11.686 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

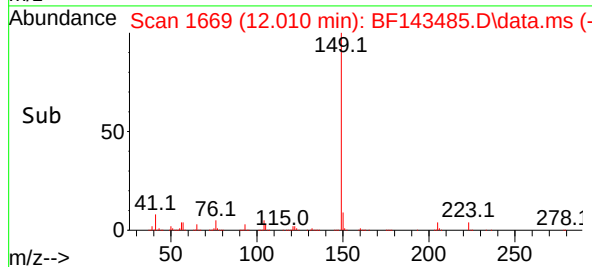
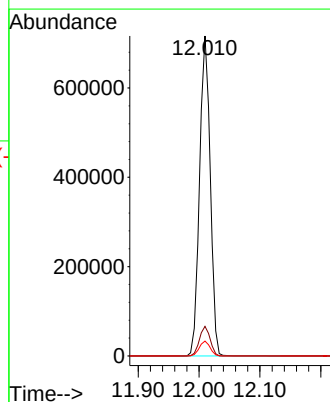
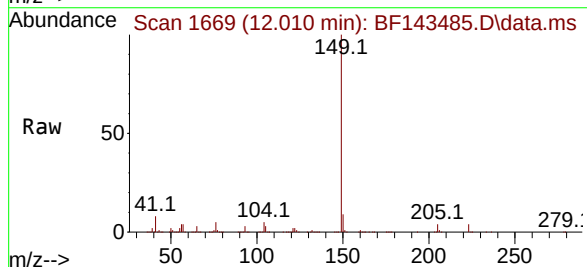
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

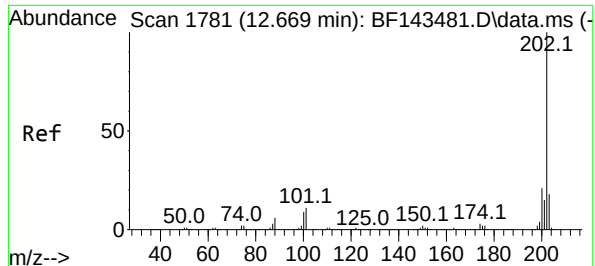
Tgt Ion:167 Resp: 865651
Ion Ratio Lower Upper
167 100
166 21.6 17.3 25.9
139 13.0 10.0 15.0



#74
Di-n-butylphthalate
Concen: 43.507 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:149 Resp: 869364
Ion Ratio Lower Upper
149 100
150 9.3 7.2 10.8
104 4.7 3.6 5.4

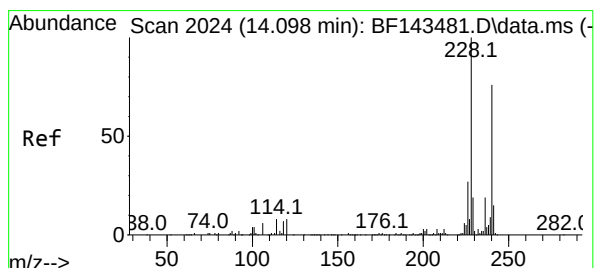
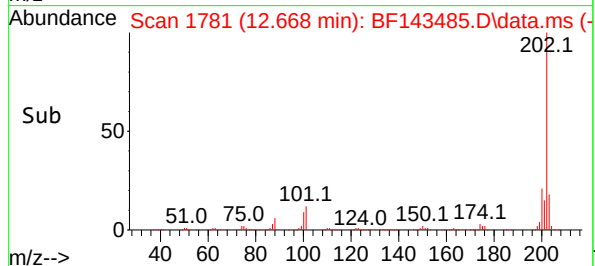
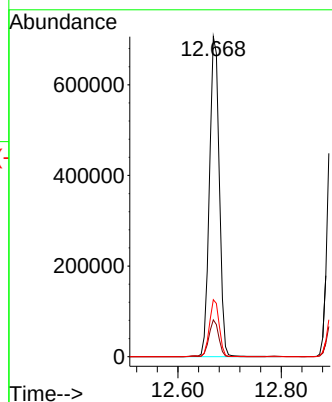
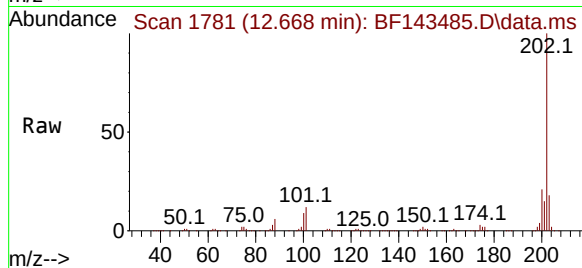




#75
Fluoranthene
Concen: 40.261 ng
RT: 12.668 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

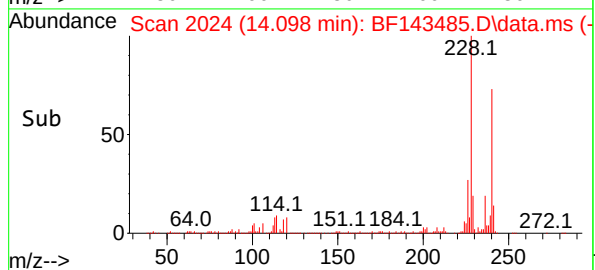
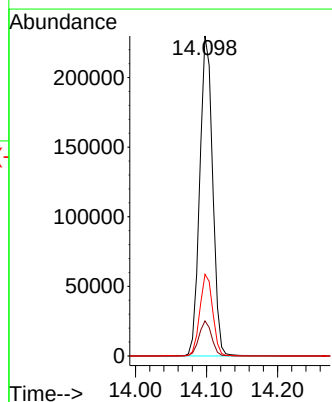
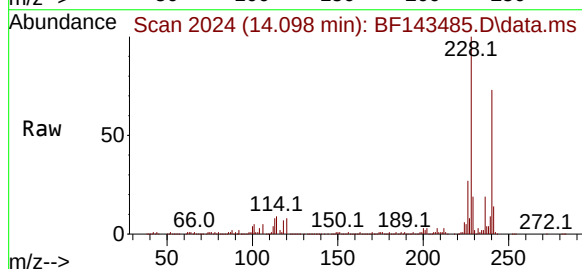
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

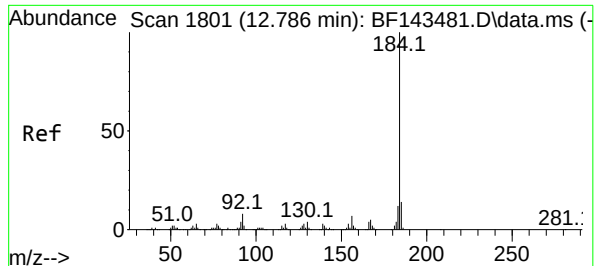
Tgt Ion:202 Resp: 932217
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.3
203 17.8 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:240 Resp: 290808
Ion Ratio Lower Upper
240 100
120 11.0 8.6 12.8
236 25.5 20.4 30.6

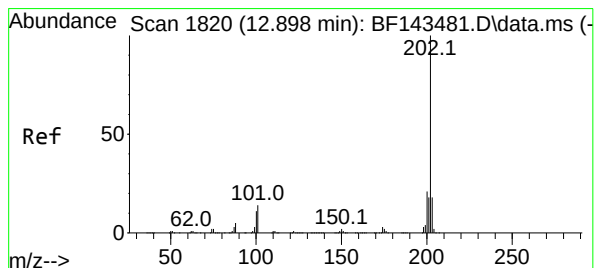
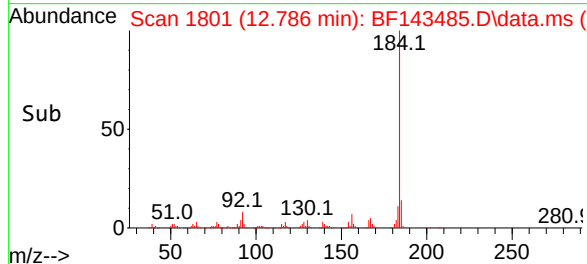
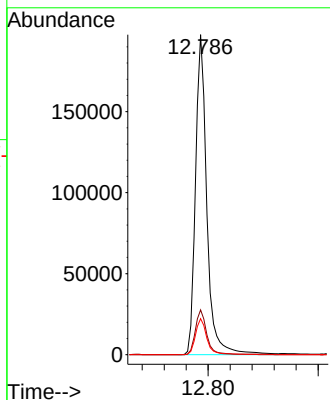
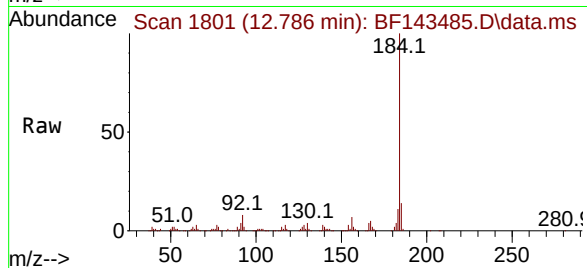




#77
Benzidine
Concen: 39.962 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

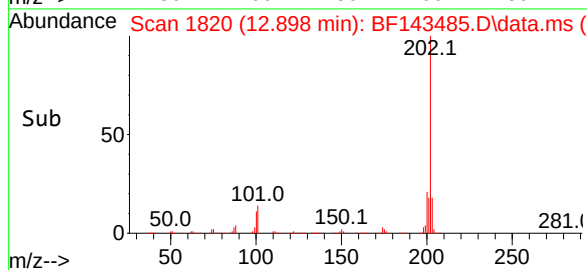
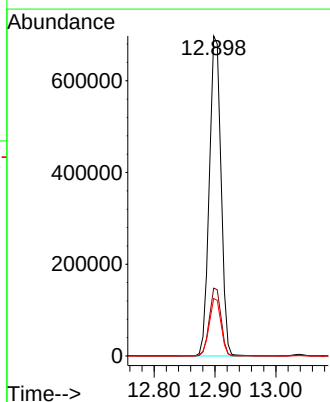
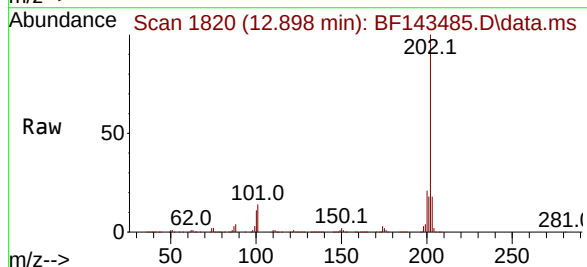
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

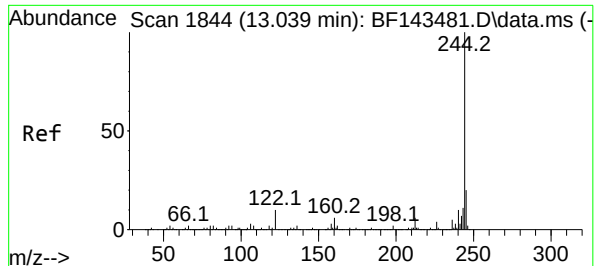
Tgt Ion:184 Resp: 283076
Ion Ratio Lower Upper
184 100
185 14.0 11.3 16.9
183 11.3 9.5 14.3



#78
Pyrene
Concen: 38.897 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:202 Resp: 930449
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 76.705 ng

RT: 13.039 min Scan# 1844

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

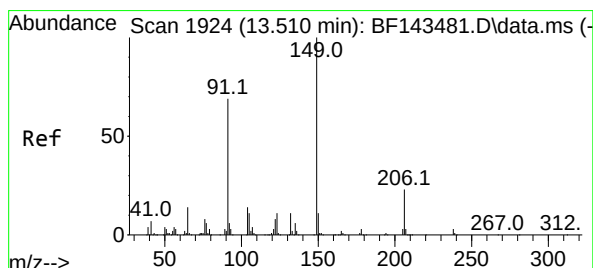
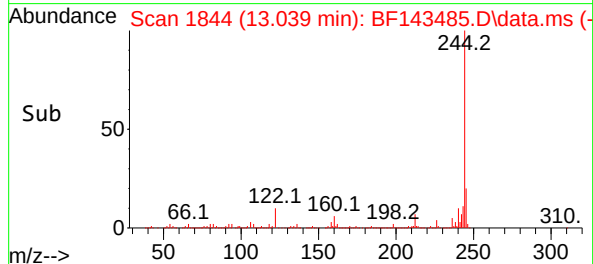
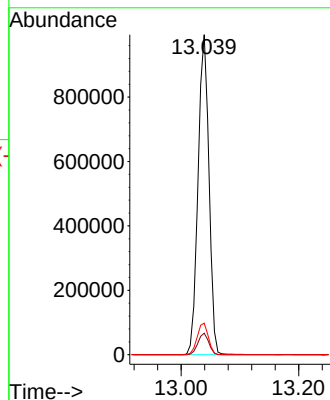
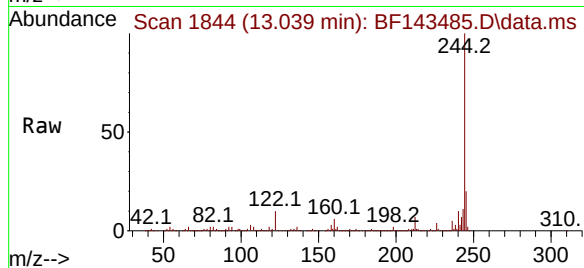
Tgt Ion:244 Resp: 1278285

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 9.8 7.9 11.9



#80

Butylbenzylphthalate

Concen: 41.549 ng

RT: 13.510 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

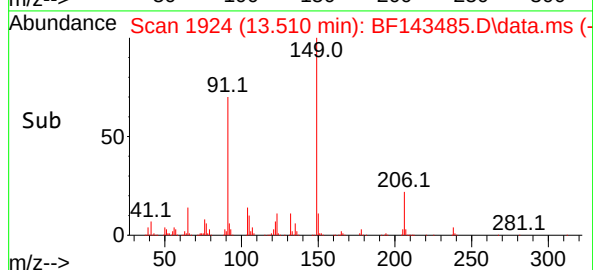
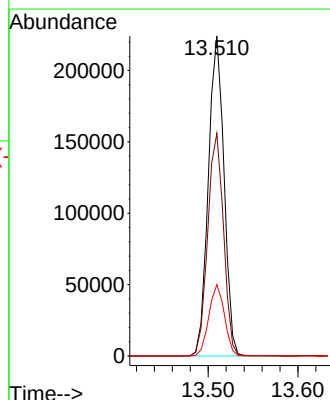
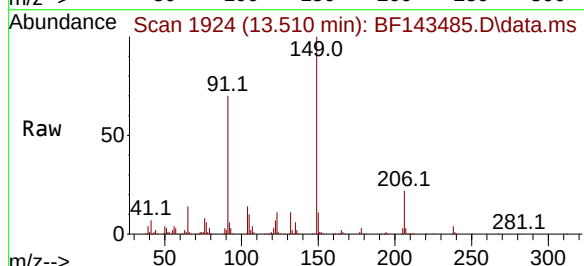
Tgt Ion:149 Resp: 271515

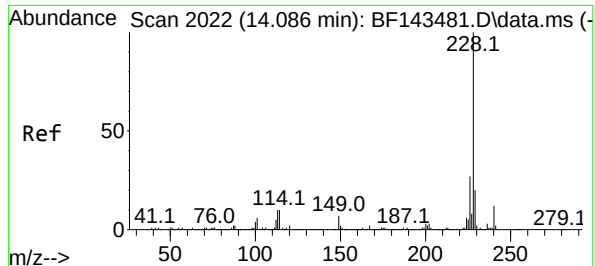
Ion Ratio Lower Upper

149 100

91 69.5 55.3 82.9

206 22.3 18.2 27.4

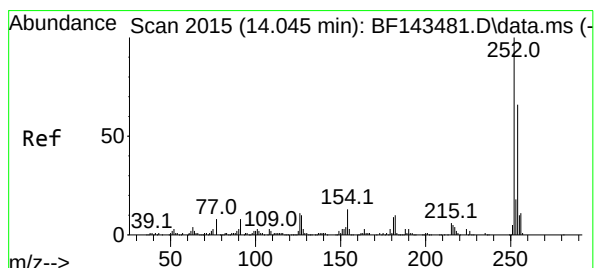
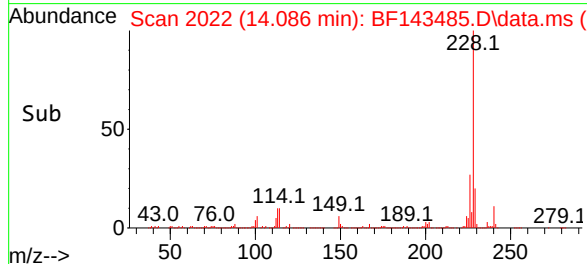
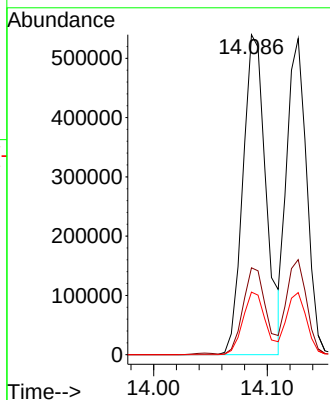
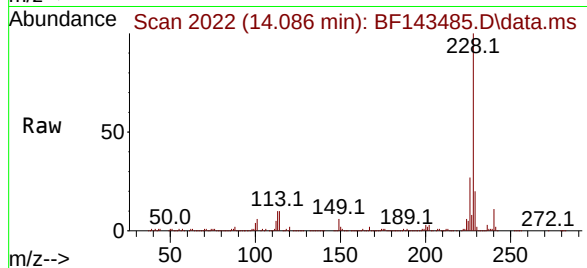




#81
Benzo(a)anthracene
Concen: 40.783 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

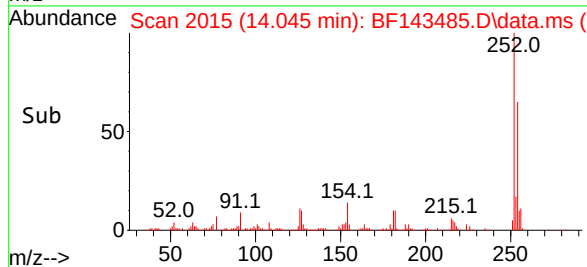
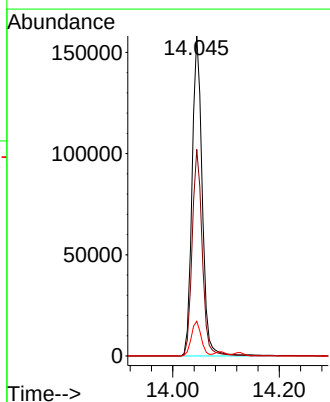
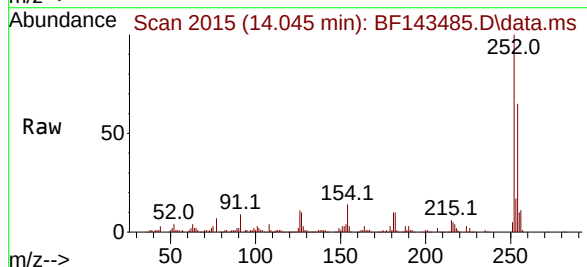
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

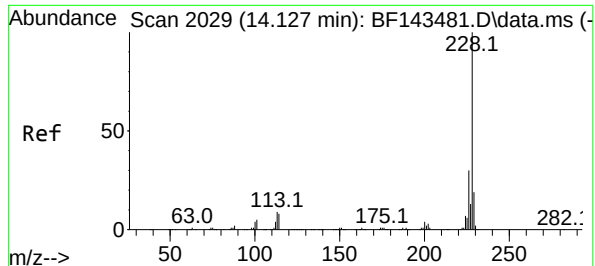
Tgt Ion:228 Resp: 763549
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 19.6 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 38.975 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:252 Resp: 208975
Ion Ratio Lower Upper
252 100
254 64.5 52.6 79.0
126 10.8 8.7 13.1

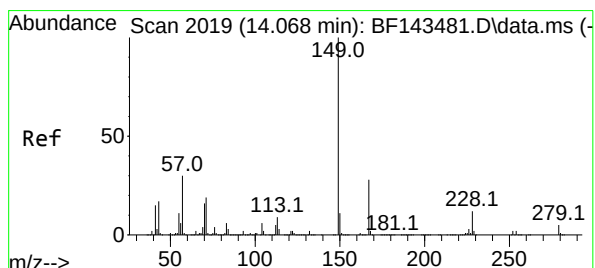
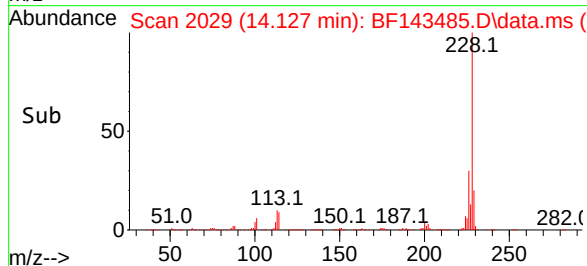
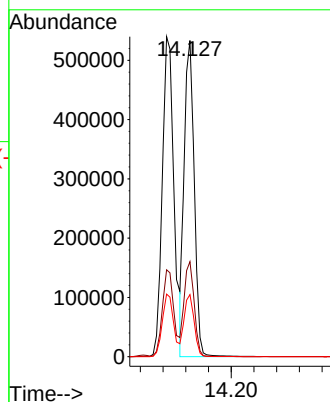
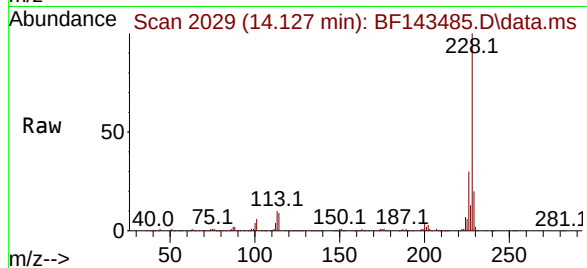




#83
Chrysene
Concen: 38.711 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

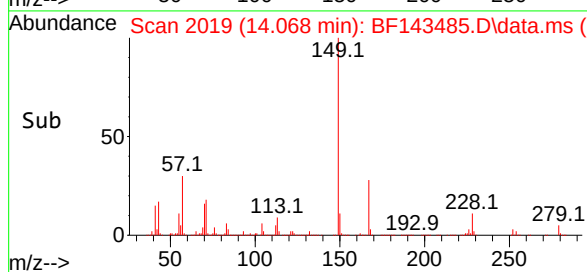
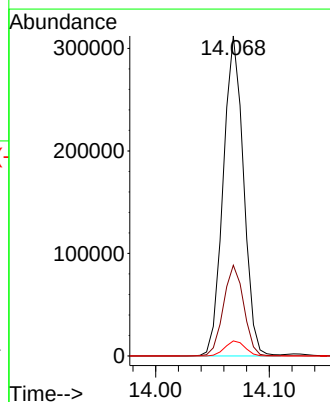
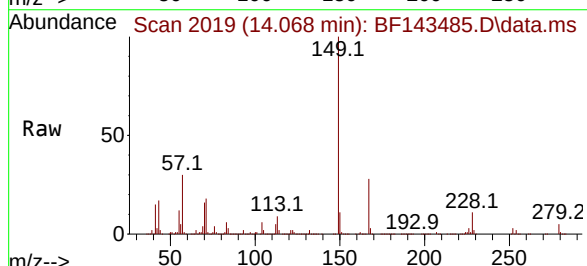
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

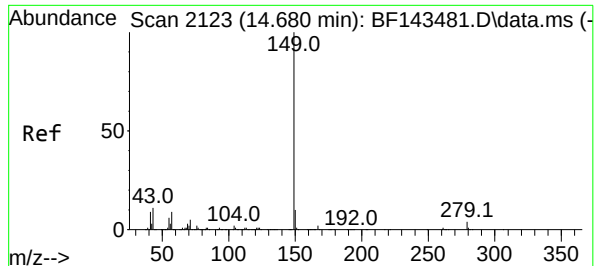
Tgt Ion:228 Resp: 651325
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 19.6 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 38.990 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:149 Resp: 388068
Ion Ratio Lower Upper
149 100
167 28.4 22.2 33.2
279 4.7 3.6 5.4

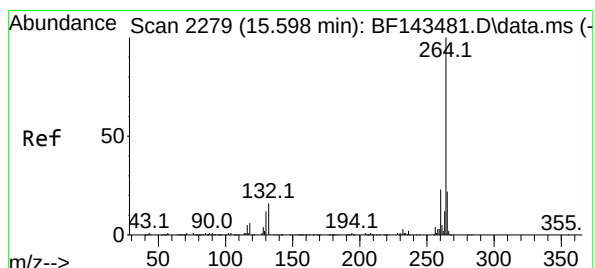
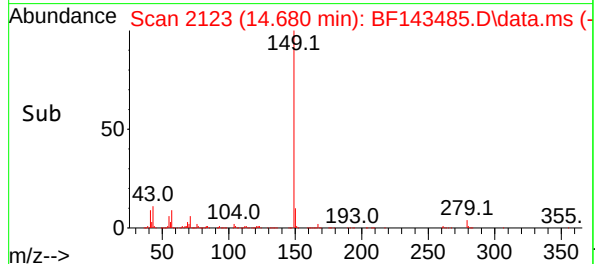
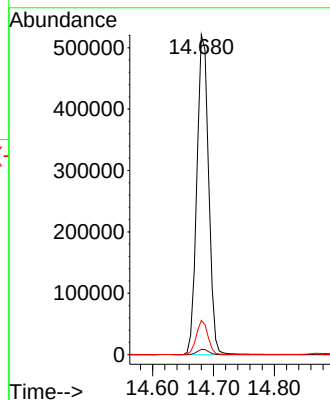
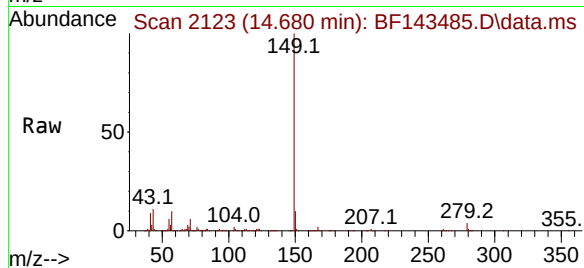




#85
Di-n-octyl phthalate
Concen: 37.975 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

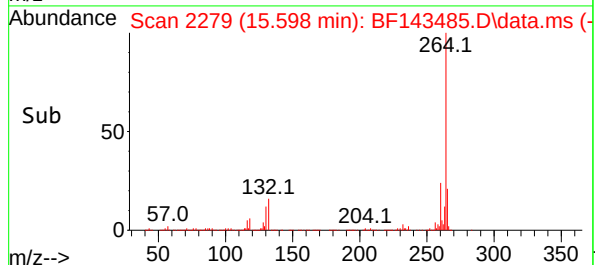
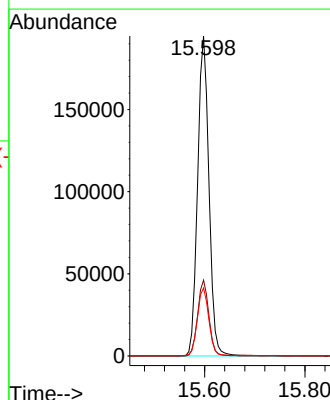
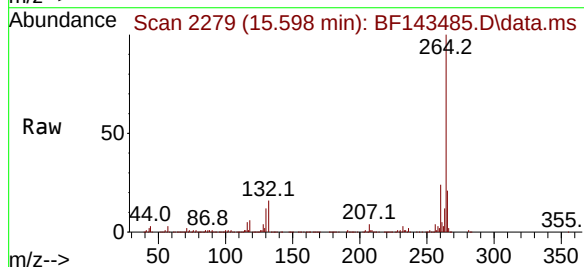
Instrument :
BNA_F
ClientSampleId :
ICVBF082025

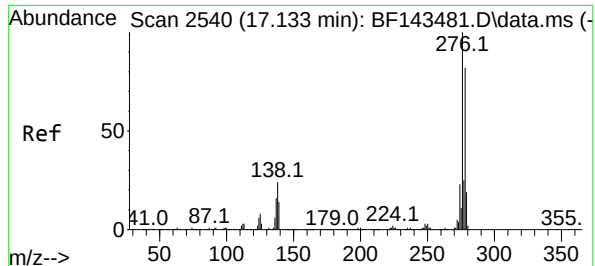
Tgt Ion:149 Resp: 700201
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 10.5 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:264 Resp: 304631
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.2 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.281 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

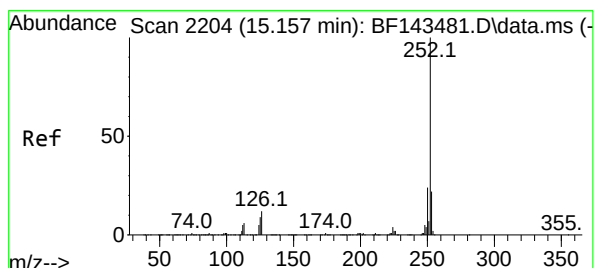
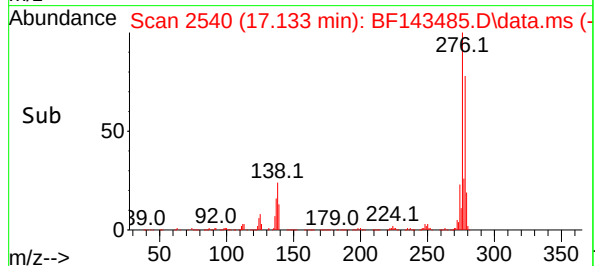
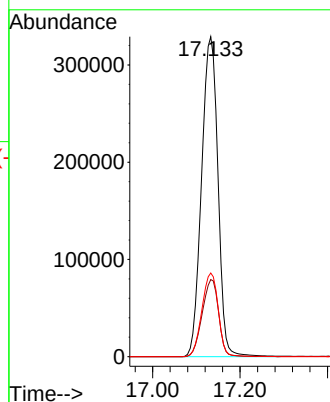
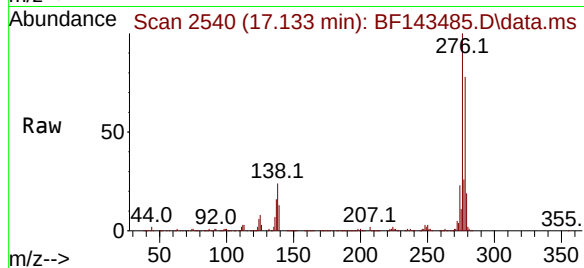
Tgt Ion:276 Resp: 859881

Ion Ratio Lower Upper

276 100

138 24.2 19.2 28.8

277 26.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 39.433 ng

RT: 15.157 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

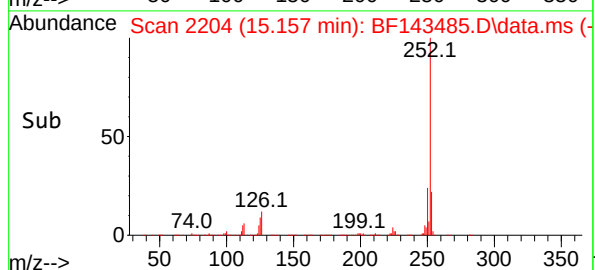
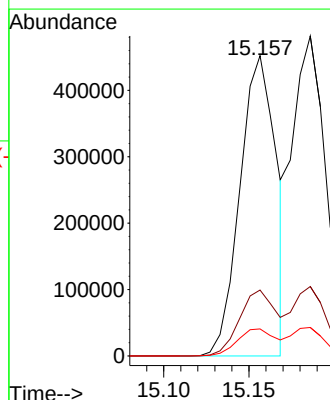
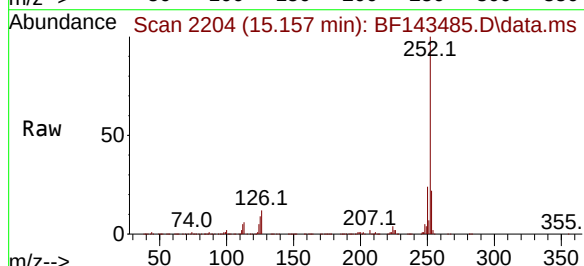
Tgt Ion:252 Resp: 667733

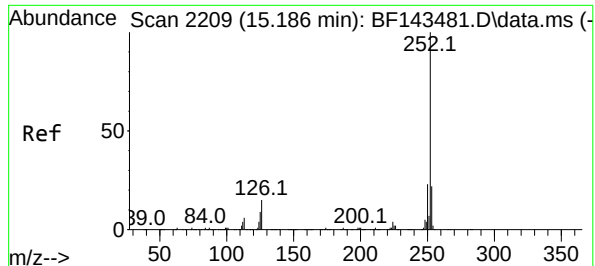
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 40.992 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

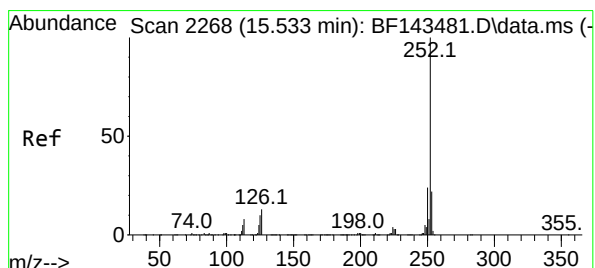
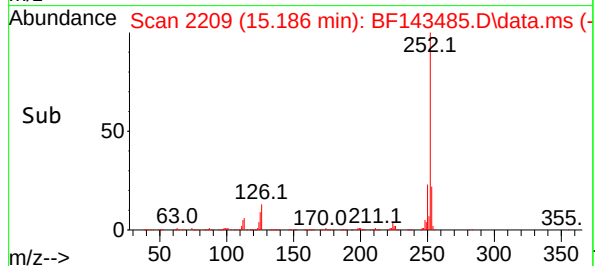
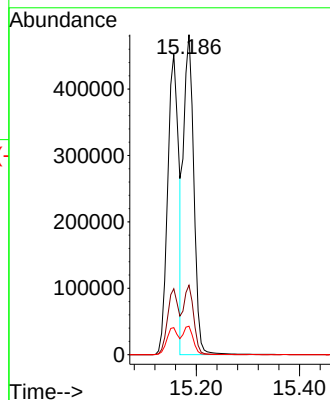
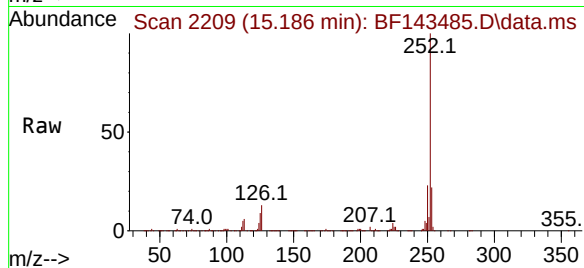
Tgt Ion:252 Resp: 664593

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 8.9 7.4 11.0



#90

Benzo(a)pyrene

Concen: 40.208 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

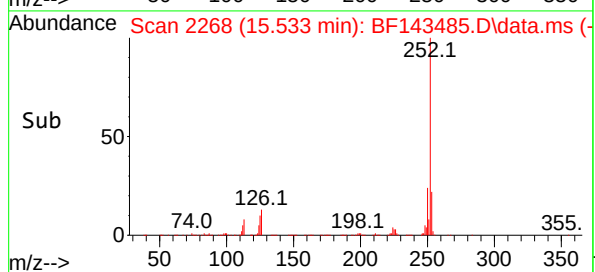
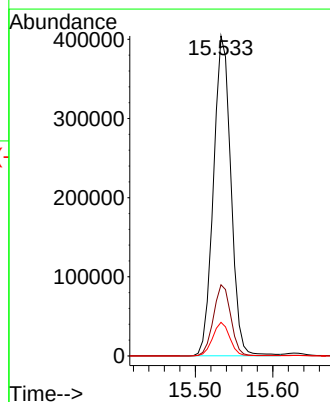
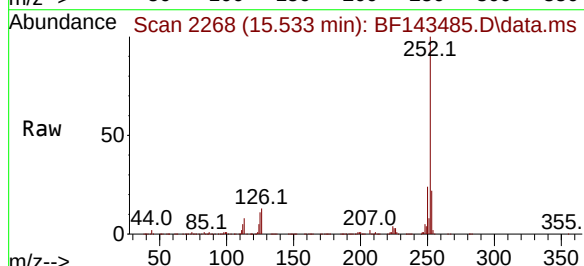
Tgt Ion:252 Resp: 631989

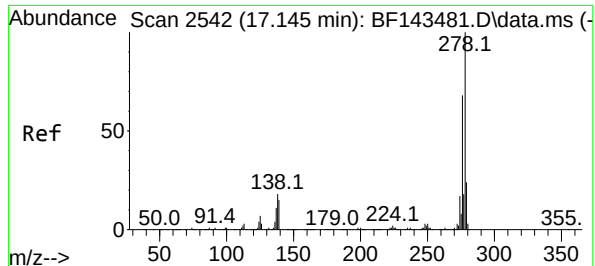
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 10.5 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 39.378 ng

RT: 17.145 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

ICVBF082025

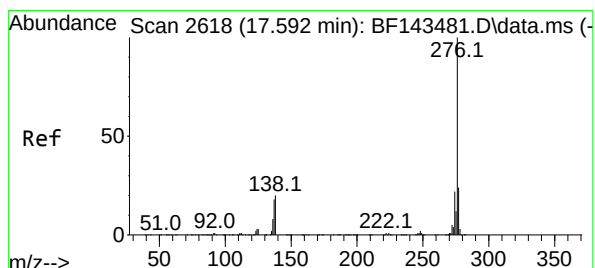
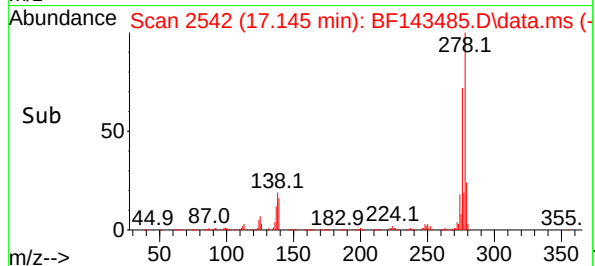
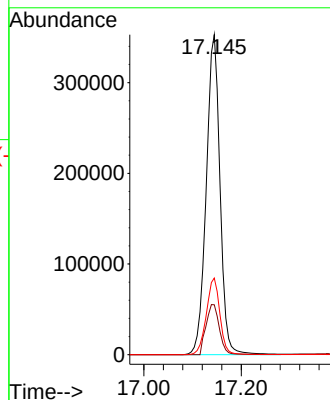
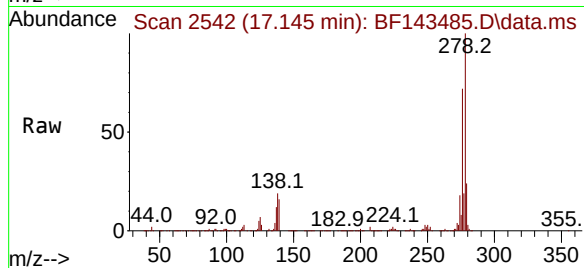
Tgt Ion:278 Resp: 690364

Ion Ratio Lower Upper

278 100

139 15.6 12.1 18.1

279 23.9 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 39.992 ng

RT: 17.592 min Scan# 2618

Delta R.T. -0.012 min

Lab File: BF143485.D

Acq: 20 Aug 2025 15:16

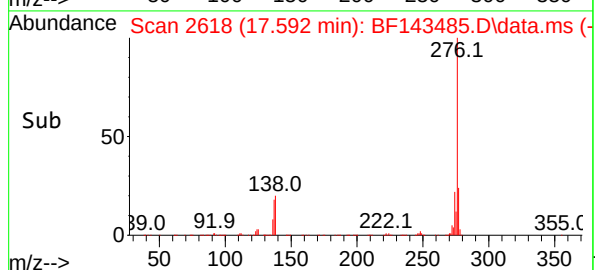
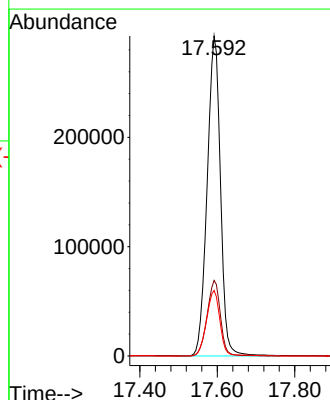
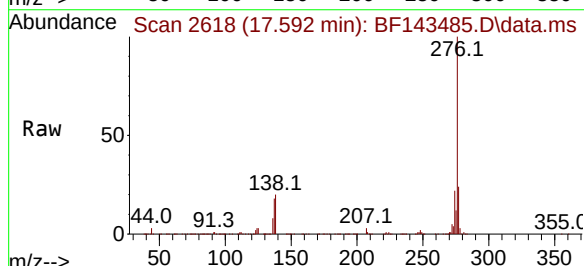
Tgt Ion:276 Resp: 697169

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 20.4 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2	1,4-Dioxane	0.531	0.520	2.1	104	0.00
3	Pyridine	1.413	1.427	-1.0	106	0.00
4	n-Nitrosodimethylamine	0.635	0.648	-2.0	108	-0.02
5 S	2-Fluorophenol	1.145	1.142	0.3	107	0.00
6	Aniline	1.890	1.912	-1.2	108	0.00
7 S	Phenol-d6	1.414	1.400	1.0	107	-0.01
8	2-Chlorophenol	1.265	1.272	-0.6	107	0.00
9	Benzaldehyde	1.145	1.212	-5.9	108	0.00
10 C	Phenol	1.629	1.653	-1.5	107	0.00
11	bis(2-Chloroethyl)ether	1.217	1.218	-0.1	107	0.00
12	1,3-Dichlorobenzene	1.421	1.411	0.7	107	0.00
13 C	1,4-Dichlorobenzene	1.426	1.406	1.4	107	0.00
14	1,2-Dichlorobenzene	1.350	1.342	0.6	107	0.00
15	Benzyl Alcohol	1.059	1.090	-2.9	108	0.00
16	2,2'-oxybis(1-Chloropropane	1.947	1.949	-0.1	107	0.00
17	2-Methylphenol	1.015	1.033	-1.8	109	0.00
18	Hexachloroethane	0.485	0.492	-1.4	107	0.00
19 P	n-Nitroso-di-n-propylamine	0.864	0.854	1.2	108	-0.01
20	3+4-Methylphenols	1.212	1.229	-1.4	108	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22	Acetophenone	0.432	0.421	2.5	108	0.00
23 S	Nitrobenzene-d5	0.343	0.345	-0.6	108	0.00
24	Nitrobenzene	0.353	0.358	-1.4	108	0.00
25	Isophorone	0.628	0.634	-1.0	110	0.00
26 C	2-Nitrophenol	0.173	0.180	-4.0	109	0.00
27	2,4-Dimethylphenol	0.269	0.267	0.7	106	0.00
28	bis(2-Chloroethoxy)methane	0.386	0.388	-0.5	108	0.00
29 C	2,4-Dichlorophenol	0.288	0.289	-0.3	108	0.00
30	1,2,4-Trichlorobenzene	0.296	0.291	1.7	107	0.00
31	Naphthalene	0.960	0.937	2.4	107	0.00
32	Benzoic acid	0.137	0.155	-13.1	115	-0.02
33	4-Chloroaniline	0.341	0.343	-0.6	107	0.00
34 C	Hexachlorobutadiene	0.193	0.191	1.0	107	0.00
35	Caprolactam	0.069	0.077	-11.6	117	-0.02
36 C	4-Chloro-3-methylphenol	0.288	0.292	-1.4	109	0.00
37	2-Methylnaphthalene	0.641	0.623	2.8	106	0.00
38	1-Methylnaphthalene	0.613	0.602	1.8	107	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	0.572	0.555	3.0	107	0.00
41 P	Hexachlorocyclopentadiene	0.184	0.201	-9.2	110	0.00
42 S	2,4,6-Tribromophenol	0.186	0.188	-1.1	109	0.00
43 C	2,4,6-Trichlorophenol	0.352	0.362	-2.8	108	0.00
44	2,4,5-Trichlorophenol	0.385	0.377	2.1	107	0.00
45 S	2-Fluorobiphenyl	1.210	1.154	4.6	108	0.00
46	1,1'-Biphenyl	1.420	1.384	2.5	108	0.00
47	2-Chloronaphthalene	1.114	1.088	2.3	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.326	0.341	-4.6	110	0.00
49	Acenaphthylene	1.595	1.577	1.1	108	0.00
50	Dimethylphthalate	1.205	1.233	-2.3	112	0.00
51	2,6-Dinitrotoluene	0.250	0.265	-6.0	111	0.00
52 C	Acenaphthene	1.083	1.081	0.2	109	0.00
53	3-Nitroaniline	0.270	0.287	-6.3	112	0.00
54 P	2,4-Dinitrophenol	0.115	0.137	-19.1	125	0.00
55	Dibenzofuran	1.544	1.506	2.5	107	0.00
56 P	4-Nitrophenol	0.161	0.186	-15.5	118	0.00
57	2,4-Dinitrotoluene	0.333	0.360	-8.1	111	0.00
58	Fluorene	1.188	1.156	2.7	108	0.00
59	2,3,4,6-Tetrachlorophenol	0.286	0.305	-6.6	112	0.00
60	Diethylphthalate	1.080	1.126	-4.3	113	0.00
61	4-Chlorophenyl-phenylether	0.594	0.583	1.9	108	0.00
62	4-Nitroaniline	0.248	0.272	-9.7	115	0.00
63	Azobenzene	1.120	1.119	0.1	108	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	110	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.124	-9.7	115	0.00
66 c	n-Nitrosodiphenylamine	0.644	0.631	2.0	109	0.00
67	4-Bromophenyl-phenylether	0.239	0.240	-0.4	110	0.00
68	Hexachlorobenzene	0.257	0.254	1.2	109	0.00
69	Atrazine	0.166	0.181	-9.0	119	0.00
70 C	Pentachlorophenol	0.118	0.129	-9.3	115	0.00
71	Phenanthrene	1.071	1.051	1.9	112	0.00
72	Anthracene	1.085	1.068	1.6	110	0.00
73	Carbazole	0.889	0.898	-1.0	112	0.00
74	Di-n-butylphthalate	0.829	0.902	-8.8	117	0.00
75 C	Fluoranthene	0.961	0.967	-0.6	113	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	116	0.00
77	Benzydine	0.487	0.487	0.0	110	0.00
78	Pyrene	1.645	1.600	2.7	114	0.00
79 S	Terphenyl-d14	1.146	1.099	4.1	113	0.00
80	Butylbenzylphthalate	0.449	0.467	-4.0	116	0.00
81	Benzo(a)anthracene	1.288	1.313	-1.9	116	0.00
82	3,3'-Dichlorobenzidine	0.369	0.359	2.7	112	0.00
83	Chrysene	1.157	1.120	3.2	117	0.00
84	Bis(2-ethylhexyl)phthalate	0.685	0.667	2.6	109	0.00
85 c	Di-n-octyl phthalate	1.268	1.204	5.0	108	0.00
86 I	Perylene-d12	1.000	1.000	0.0	106	0.00
87	Indeno(1,2,3-cd)pyrene	1.437	1.411	1.8	103	0.00
88	Benzo(b)fluoranthene	1.112	1.096	1.4	108	0.00
89	Benzo(k)fluoranthene	1.064	1.091	-2.5	107	0.00
90 C	Benzo(a)pyrene	1.032	1.037	-0.5	106	0.00
91	Dibenzo(a,h)anthracene	1.151	1.133	1.6	103	-0.01
92	Benzo(g,h,i)perylene	1.145	1.144	0.1	105	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	107	0.00
2	1,4-Dioxane	40.000	39.182	2.0	104	0.00
3	Pyridine	40.000	40.378	-0.9	106	0.00
4	n-Nitrosodimethylamine	40.000	40.802	-2.0	108	-0.02
5 S	2-Fluorophenol	80.000	79.796	0.3	107	0.00
6	Aniline	40.000	40.468	-1.2	108	0.00
7 S	Phenol-d6	80.000	79.236	1.0	107	-0.01
8	2-Chlorophenol	40.000	40.225	-0.6	107	0.00
9	Benzaldehyde	40.000	42.346	-5.9	108	0.00
10 C	Phenol	40.000	40.587	-1.5	107	0.00
11	bis(2-Chloroethyl)ether	40.000	40.011	-0.0	107	0.00
12	1,3-Dichlorobenzene	40.000	39.721	0.7	107	0.00
13 C	1,4-Dichlorobenzene	40.000	39.445	1.4	107	0.00
14	1,2-Dichlorobenzene	40.000	39.765	0.6	107	0.00
15	Benzyl Alcohol	40.000	41.185	-3.0	108	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.039	-0.1	107	0.00
17	2-Methylphenol	40.000	40.687	-1.7	109	0.00
18	Hexachloroethane	40.000	40.592	-1.5	107	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.547	1.1	108	-0.01
20	3+4-Methylphenols	40.000	40.559	-1.4	108	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22	Acetophenone	40.000	38.990	2.5	108	0.00
23 S	Nitrobenzene-d5	80.000	80.608	-0.8	108	0.00
24	Nitrobenzene	40.000	40.579	-1.4	108	0.00
25	Isophorone	40.000	40.343	-0.9	110	0.00
26 C	2-Nitrophenol	40.000	41.747	-4.4	109	0.00
27	2,4-Dimethylphenol	40.000	39.655	0.9	106	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.210	-0.5	108	0.00
29 C	2,4-Dichlorophenol	40.000	40.217	-0.5	108	0.00
30	1,2,4-Trichlorobenzene	40.000	39.404	1.5	107	0.00
31	Naphthalene	40.000	39.033	2.4	107	0.00
32	Benzoic acid	40.000	41.489	-3.7	115	-0.02
33	4-Chloroaniline	40.000	40.234	-0.6	107	0.00
34 C	Hexachlorobutadiene	40.000	39.523	1.2	107	0.00
35	Caprolactam	40.000	44.838	-12.1	117	-0.02
36 C	4-Chloro-3-methylphenol	40.000	40.569	-1.4	109	0.00
37	2-Methylnaphthalene	40.000	38.877	2.8	106	0.00
38	1-Methylnaphthalene	40.000	39.260	1.9	107	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.786	3.0	107	0.00
41 P	Hexachlorocyclopentadiene	40.000	39.756	0.6	110	0.00
42 S	2,4,6-Tribromophenol	80.000	80.753	-0.9	109	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.105	-2.8	108	0.00
44	2,4,5-Trichlorophenol	40.000	39.178	2.1	107	0.00
45 S	2-Fluorobiphenyl	80.000	76.290	4.6	108	0.00
46	1,1'-Biphenyl	40.000	38.997	2.5	108	0.00
47	2-Chloronaphthalene	40.000	39.068	2.3	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.861	-4.7	110	0.00
49	Acenaphthylene	40.000	39.557	1.1	108	0.00
50	Dimethylphthalate	40.000	40.935	-2.3	112	0.00
51	2,6-Dinitrotoluene	40.000	42.459	-6.1	111	0.00
52 C	Acenaphthene	40.000	39.941	0.1	109	0.00
53	3-Nitroaniline	40.000	42.506	-6.3	112	0.00
54 P	2,4-Dinitrophenol	40.000	43.761	-9.4	125	0.00
55	Dibenzofuran	40.000	39.023	2.4	107	0.00
56 P	4-Nitrophenol	40.000	46.387	-16.0	118	0.00
57	2,4-Dinitrotoluene	40.000	43.183	-8.0	111	0.00
58	Fluorene	40.000	38.901	2.7	108	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.767	-6.9	112	0.00
60	Diethylphthalate	40.000	41.708	-4.3	113	0.00
61	4-Chlorophenyl-phenylether	40.000	39.269	1.8	108	0.00
62	4-Nitroaniline	40.000	43.927	-9.8	115	0.00
63	Azobenzene	40.000	39.982	0.0	108	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	110	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.849	-9.6	115	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.212	2.0	109	0.00
67	4-Bromophenyl-phenylether	40.000	40.305	-0.8	110	0.00
68	Hexachlorobenzene	40.000	39.544	1.1	109	0.00
69	Atrazine	40.000	43.693	-9.2	119	0.00
70 C	Pentachlorophenol	40.000	43.916	-9.8	115	0.00
71	Phenanthrene	40.000	39.237	1.9	112	0.00
72	Anthracene	40.000	39.390	1.5	110	0.00
73	Carbazole	40.000	40.413	-1.0	112	0.00
74	Di-n-butylphthalate	40.000	43.507	-8.8	117	0.00
75 C	Fluoranthene	40.000	40.261	-0.7	113	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	116	0.00
77	Benzydine	40.000	39.962	0.1	110	0.00
78	Pyrene	40.000	38.897	2.8	114	0.00
79 S	Terphenyl-d14	80.000	76.705	4.1	113	0.00
80	Butylbenzylphthalate	40.000	41.549	-3.9	116	0.00
81	Benzo(a)anthracene	40.000	40.783	-2.0	116	0.00
82	3,3'-Dichlorobenzidine	40.000	38.975	2.6	112	0.00
83	Chrysene	40.000	38.711	3.2	117	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.990	2.5	109	0.00
85 c	Di-n-octyl phthalate	40.000	37.975	5.1	108	0.00
86 I	Perylene-d12	20.000	20.000	0.0	106	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.281	1.8	103	0.00
88	Benzo(b)fluoranthene	40.000	39.433	1.4	108	0.00
89	Benzo(k)fluoranthene	40.000	40.992	-2.5	107	0.00
90 C	Benzo(a)pyrene	40.000	40.208	-0.5	106	0.00
91	Dibenzo(a,h)anthracene	40.000	39.378	1.6	103	-0.01
92	Benzo(g,h,i)perylene	40.000	39.992	0.0	105	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025
Response Via : Initial Calibration

Calibration Files

2.5 =BP025392.D 5 =BP025393.D 10 =BP025394.D 20 =BP025395.D 40 =BP025396.D 50 =BP025397.D 60 =BP025398.D 80 =BP025399.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.520	0.464	0.475	0.445	0.479	0.462	0.458	0.472	5.07	
3) Pyridine	1.446	1.250	1.256	1.220	1.317	1.281	1.268	1.291	5.77	
4) n-Nitrosodimet...		0.515	0.512	0.511	0.559	0.555	0.541	0.532	4.13	
5) S 2-Fluorophenol	1.232	1.177	1.194	1.162	1.240	1.226	1.199	1.204	2.42	
6) Aniline	2.098	1.962	2.030	2.020	2.194	2.164	2.094	2.080	3.96	
7) S Phenol-d6	1.483	1.467	1.533	1.513	1.641	1.609	1.563	1.544	4.16	
8) 2-Chlorophenol	1.351	1.283	1.347	1.313	1.428	1.414	1.378	1.359	3.83	
9) Benzaldehyde		0.987	0.956	1.366	1.262	1.005	0.915	1.082	17.12	
10) C Phenol	1.594	1.529	1.613	1.575	1.707	1.688	1.635	1.620	3.87	
11) bis(2-Chloroet...	1.283	1.183	1.273	1.222	1.321	1.303	1.255	1.263	3.78	
12) 1,3-Dichlorobe...	1.532	1.433	1.503	1.443	1.555	1.530	1.493	1.499	3.07	
13) C 1,4-Dichlorobe...	1.587	1.490	1.527	1.467	1.596	1.544	1.510	1.532	3.12	
14) 1,2-Dichlorobe...	1.558	1.430	1.491	1.431	1.533	1.487	1.449	1.483	3.35	
15) Benzyl Alcohol		1.138	1.205	1.193	1.287	1.289	1.250	1.227	4.83	
16) 2,2'-oxybis(1-...	1.762	1.592	1.712	1.620	1.751	1.740	1.665	1.692	3.96	
17) 2-Methylphenol	1.075	1.030	1.123	1.107	1.198	1.191	1.154	1.125	5.41	
18) Hexachloroethane	0.577	0.544	0.552	0.545	0.588	0.578	0.559	0.563	3.13	
19) P n-Nitroso-di-n...	1.014	1.066	0.959	1.056	0.992	1.053	1.042	1.000	1.023	3.68
20) 3+4-Methylphenols		1.442	1.533	1.525	1.639	1.640	1.580	1.560	4.87	
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.515	0.487	0.506	0.485	0.523	0.506	0.488	0.502	2.96	
23) S Nitrobenzene-d5	0.395	0.376	0.392	0.383	0.419	0.408	0.394	0.395	3.65	
24) Nitrobenzene	0.350	0.342	0.348	0.344	0.375	0.362	0.352	0.353	3.21	
25) Isophorone	0.734	0.672	0.700	0.674	0.730	0.709	0.680	0.700	3.70	
26) C 2-Nitrophenol	0.167	0.163	0.177	0.181	0.197	0.195	0.190	0.181	7.43	
27) 2,4-Dimethylph...	0.303	0.303	0.296	0.308	0.336	0.325	0.313	0.312	4.46	
28) bis(2-Chloroet...	0.443	0.407	0.425	0.407	0.439	0.430	0.410	0.423	3.61	
29) C 2,4-Dichloroph...	0.293	0.293	0.308	0.305	0.331	0.324	0.314	0.310	4.71	
30) 1,2,4-Trichlor...	0.357	0.329	0.335	0.327	0.354	0.344	0.332	0.340	3.61	
31) Naphthalene	1.069	1.020	1.037	1.000	1.087	1.052	1.011	1.040	3.06	
32) Benzoic acid		0.188	0.207	0.227	0.249	0.255	0.255	0.230	12.20	
33) 4-Chloroaniline	0.453	0.435	0.447	0.452	0.492	0.478	0.458	0.459	4.19	
34) C Hexachlorobuta...	0.222	0.205	0.211	0.205	0.218	0.213	0.207	0.211	3.05	
35) Caprolactam		0.114	0.110	0.109	0.120	0.116	0.113	0.114	3.67	
36) C 4-Chloro-3-met...	0.366	0.335	0.347	0.346	0.373	0.368	0.353	0.355	3.85	
37) 2-Methylnaphth...	0.716	0.653	0.678	0.652	0.700	0.682	0.654	0.676	3.69	
38) 1-Methylnaphth...	0.777	0.706	0.713	0.686	0.751	0.719	0.685	0.719	4.67	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP081425.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.578	0.559	0.585	0.560	0.610	0.581	0.571	0.578	3.00	
41) P	Hexachlorocycl...	0.274	0.313	0.348	0.387	0.388	0.383	0.349	13.46		
42) S	2,4,6-Tribromo...	0.266	0.259	0.267	0.263	0.286	0.275	0.268	0.269	3.39	
43) C	2,4,6-Trichlor...	0.368	0.364	0.381	0.382	0.421	0.408	0.405	0.390	5.56	
44)	2,4,5-Trichlor...	0.417	0.385	0.424	0.424	0.457	0.448	0.437	0.427	5.52	
45) S	2-Fluorobiphenyl	1.558	1.483	1.507	1.392	1.517	1.435	1.351	1.463	5.04	
46)	1,1'-Biphenyl	1.495	1.418	1.457	1.408	1.537	1.445	1.407	1.453	3.37	
47)	2-Chloronaphth...	1.152	1.093	1.144	1.101	1.184	1.142	1.100	1.131	2.99	
48)	2-Nitroaniline	0.301	0.306	0.317	0.330	0.360	0.351	0.341	0.329	6.85	
49)	Acenaphthylene	1.907	1.806	1.848	1.806	1.992	1.907	1.832	1.871	3.63	
50)	Dimethylphthalate	1.569	1.449	1.438	1.403	1.512	1.479	1.403	1.465	4.12	
51)	2,6-Dinitrotol...	0.297	0.287	0.302	0.309	0.331	0.323	0.311	0.309	4.95	
52) C	Acenaphthene	1.149	1.082	1.100	1.041	1.155	1.106	1.056	1.098	3.93	
53)	3-Nitroaniline	0.318	0.329	0.337	0.342	0.384	0.367	0.354	0.347	6.56	
54) P	2,4-Dinitrophenol	0.114	0.140	0.163	0.186	0.192	0.194	0.165	19.83		
55)	Dibenzofuran	1.820	1.711	1.737	1.677	1.811	1.729	1.672	1.736	3.40	
56) P	4-Nitrophenol	0.251	0.265	0.279	0.315	0.304	0.298	0.285	8.56		
57)	2,4-Dinitrotol...	0.404	0.407	0.431	0.438	0.479	0.471	0.454	0.440	6.61	
58)	Fluorene	1.506	1.391	1.390	1.306	1.415	1.330	1.253	1.370	6.02	
59)	2,3,4,6-Tetrac...	0.375	0.360	0.366	0.368	0.402	0.392	0.379	0.377	4.01	
60)	Diethylphthalate	1.615	1.475	1.465	1.434	1.540	1.459	1.430	1.488	4.48	
61)	4-Chlorophenyl...	0.761	0.684	0.679	0.651	0.690	0.671	0.634	0.681	5.91	
62)	4-Nitroaniline	0.341	0.336	0.349	0.351	0.387	0.370	0.359	0.356	4.89	
63)	Azobenzene	1.315	1.226	1.274	1.237	1.341	1.301	1.227	1.274	3.62	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.096	0.113	0.123	0.139	0.139	0.138	0.125	14.21		
66) c	n-Nitrosodiphe...	0.636	0.603	0.607	0.591	0.634	0.605	0.594	0.610	2.99	
67)	4-Bromophenyl-...	0.233	0.206	0.217	0.213	0.230	0.223	0.218	0.220	4.34	
68)	Hexachlorobenzene	0.264	0.253	0.254	0.242	0.264	0.257	0.251	0.255	3.06	
69)	Atrazine	0.229	0.226	0.228	0.218	0.240	0.229	0.229	0.228	2.74	
70) C	Pentachlorophenol	0.135	0.154	0.157	0.177	0.171	0.172	0.161	9.76		
71)	Phenanthrene	1.162	1.101	1.111	1.040	1.135	1.085	1.057	1.099	3.88	
72)	Anthracene	1.161	1.124	1.133	1.079	1.175	1.101	1.080	1.122	3.37	
73)	Carbazole	1.079	1.052	1.074	1.007	1.111	1.053	1.022	1.057	3.32	
74)	Di-n-butylphth...	1.345	1.255	1.332	1.244	1.374	1.285	1.265	1.300	3.86	
75) C	Fluoranthene	1.370	1.323	1.348	1.228	1.361	1.286	1.258	1.311	4.13	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.642	0.642	0.967	0.664	0.608	0.573	0.683	20.94		
78)	Pyrene	1.398	1.261	1.287	1.274	1.320	1.319	1.241	1.300	4.00	
79) S	Terphenyl-d14	1.249	1.100	1.097	1.045	1.100	1.061	0.999	1.093	7.15	
80)	Butylbenzylpht...	0.589	0.557	0.592	0.579	0.614	0.616	0.578	0.589	3.55	
81)	Benzo(a)anthra...	1.384	1.302	1.313	1.268	1.359	1.333	1.275	1.319	3.21	
82)	3,3'-Dichlorob...	0.482	0.507	0.488	0.521	0.506	0.480	0.497	3.31		
83)	Chrysene	1.292	1.214	1.249	1.182	1.280	1.243	1.186	1.235	3.49	
84)	Bis(2-ethylhex...	0.907	0.826	0.874	0.831	0.901	0.882	0.850	0.867	3.73	
85) c	Di-n-octyl pht...	1.381	1.498	1.444	1.572	1.563	1.491	1.492	4.84		

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.454	1.385	1.440	1.411	1.569	1.522	1.486	1.467	4.36
88)	Benzo(b)fluora...	1.203	1.126	1.171	1.134	1.250	1.197	1.175	1.179	3.60
89)	Benzo(k)fluora...	1.202	1.157	1.200	1.130	1.226	1.206	1.141	1.180	3.16
90) C	Benzo(a)pyrene	1.139	1.093	1.150	1.108	1.219	1.185	1.141	1.148	3.77
91)	Dibenzo(a,h)an...	1.180	1.125	1.179	1.156	1.290	1.244	1.216	1.199	4.64
92)	Benzo(g,h,i)pe...	1.162	1.118	1.169	1.138	1.248	1.220	1.192	1.178	3.86

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025392.D
Acq On : 14 Aug 2025 12:33
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 14 17:51:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

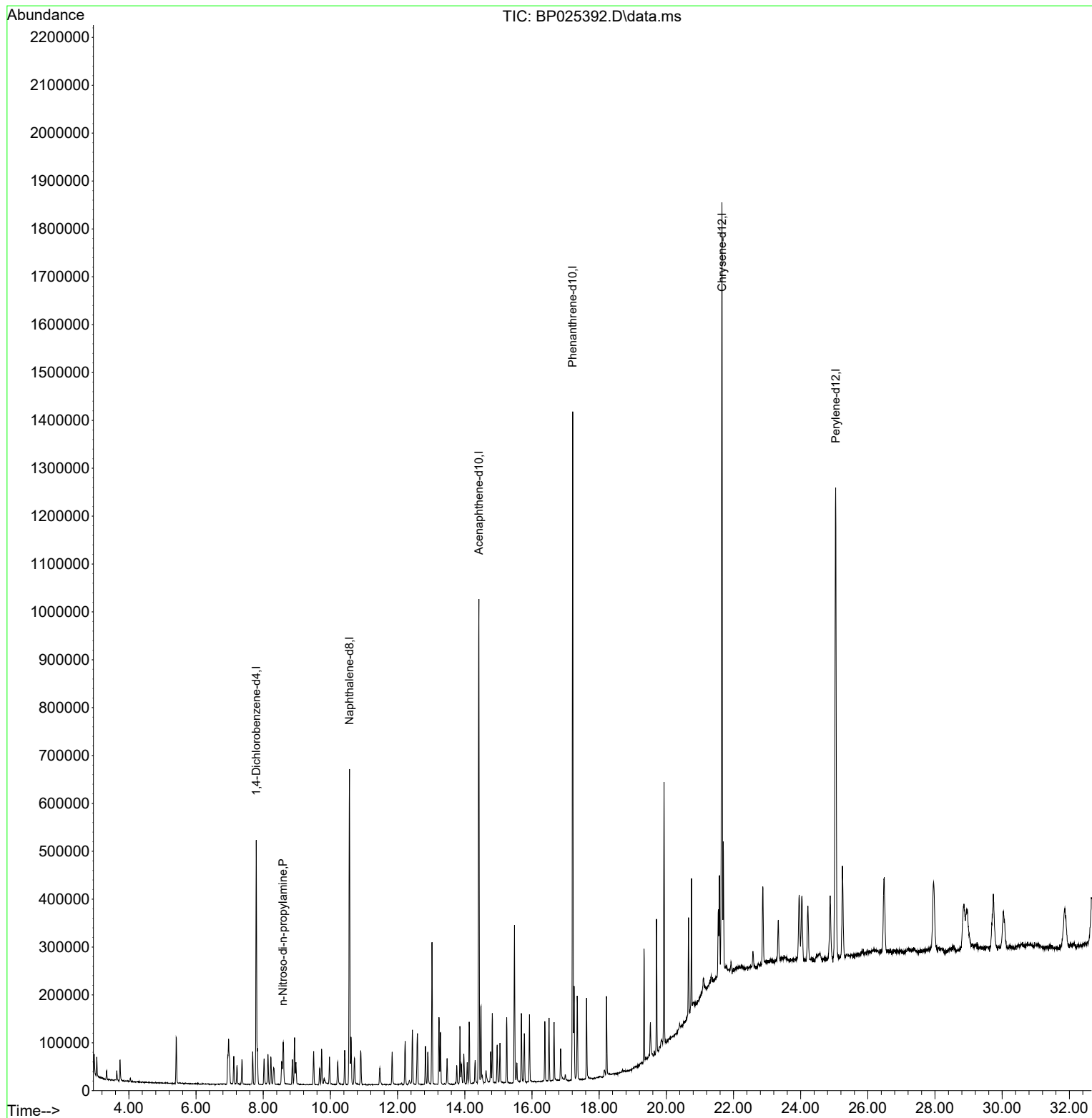
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	140275	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	567766	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	380728	20.000	ng	0.01
64) Phenanthrene-d10	17.213	188	796256	20.000	ng	0.01
76) Chrysene-d12	21.660	240	884747	20.000	ng	0.01
86) Perylene-d12	25.042	264	1005304	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.584	70	17781	2.476	ng	Qvalue 99

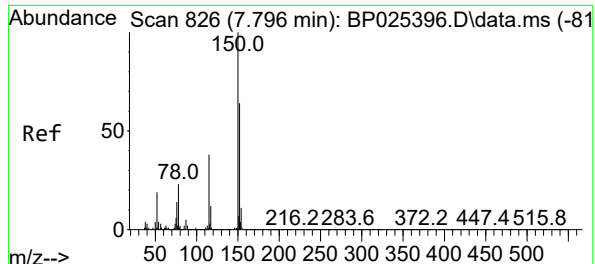
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025392.D
Acq On : 14 Aug 2025 12:33
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 14 17:51:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

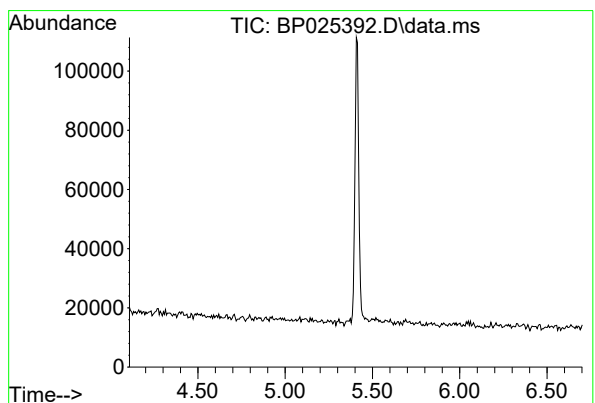
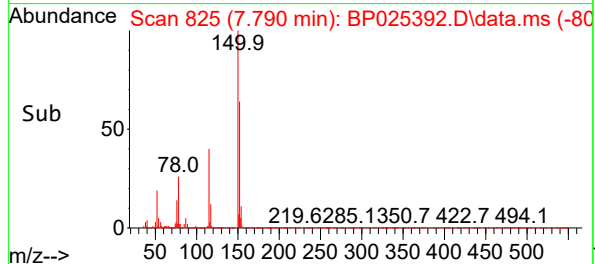
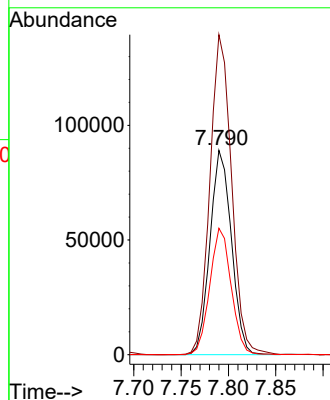
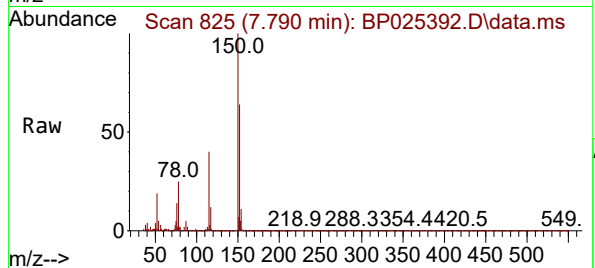




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

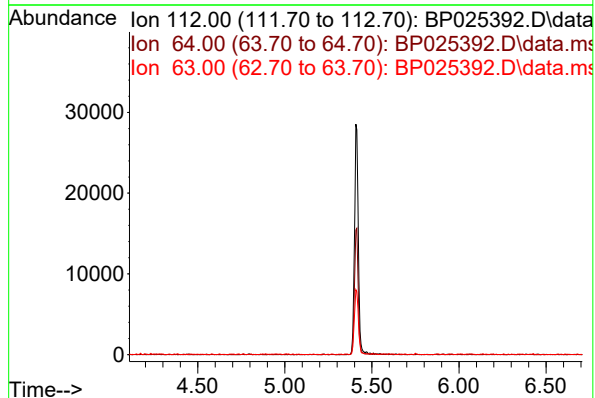
Tgt Ion:152 Resp: 140275
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 61.9 48.5 72.7

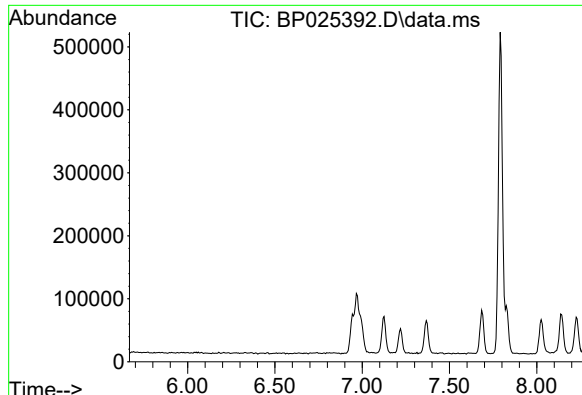


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 112
Sig Exp Ratio
112 100
64 54.8
63 28.4

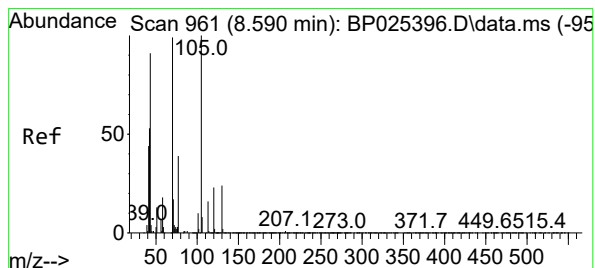
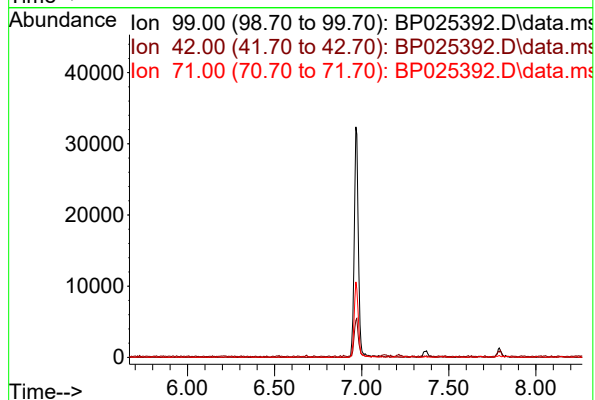




#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.97 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

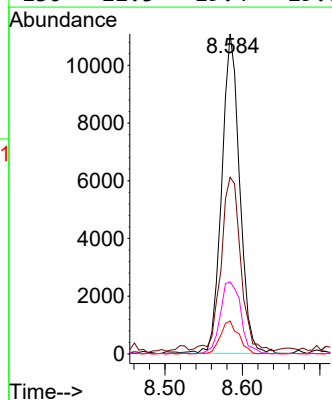
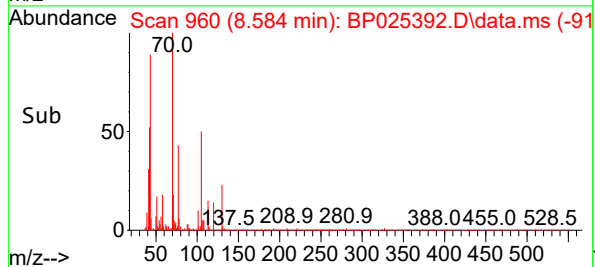
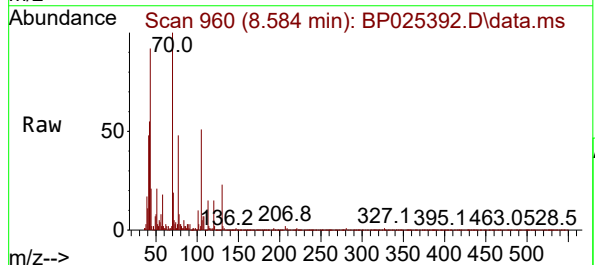
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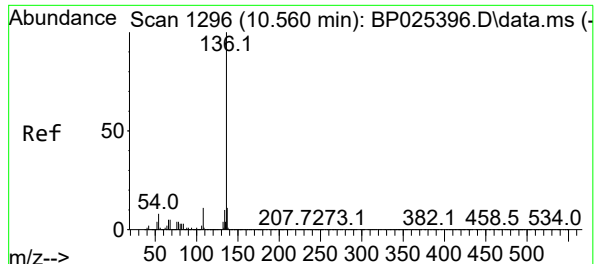
Tgt Ion: 99
Sig Exp Ratio
99 100
42 17.1
71 35.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.476 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

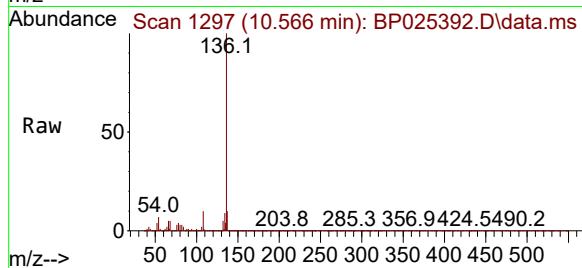
Tgt Ion: 70 Resp: 17781
Ion Ratio Lower Upper
70 100
42 55.2 43.8 65.6
101 10.3 8.5 12.7
130 22.5 19.4 29.0



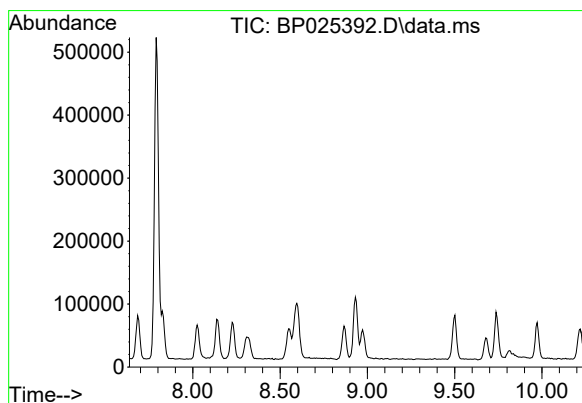
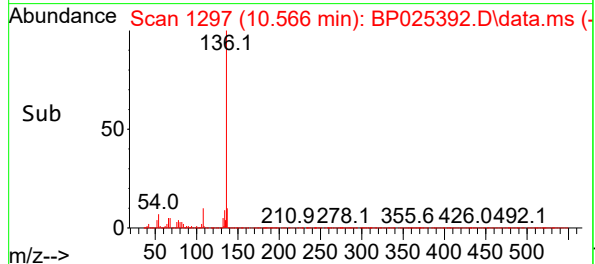
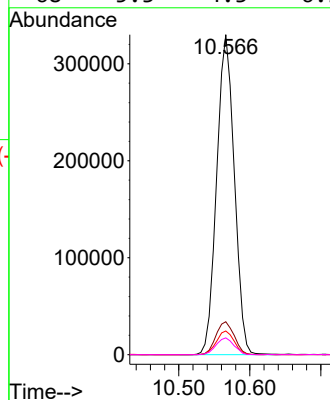


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5



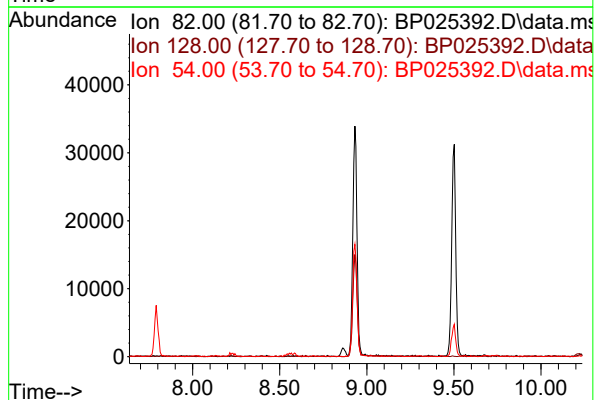
Tgt Ion:136 Resp: 567766
Ion Ratio Lower Upper
136 100
137 10.3 9.2 13.8
54 7.4 6.0 9.0
68 5.3 4.3 6.5

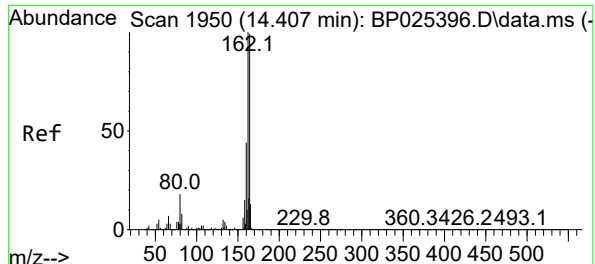


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.94 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 82
Sig Exp Ratio
82 100
128 47.1
54 49.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.419 min Scan# 1952

Delta R.T. 0.012 min

Lab File: BP025392.D

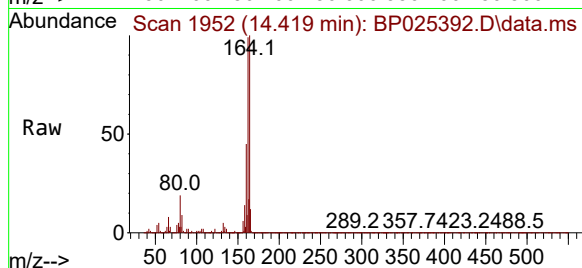
Acq: 14 Aug 2025 12:33

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5



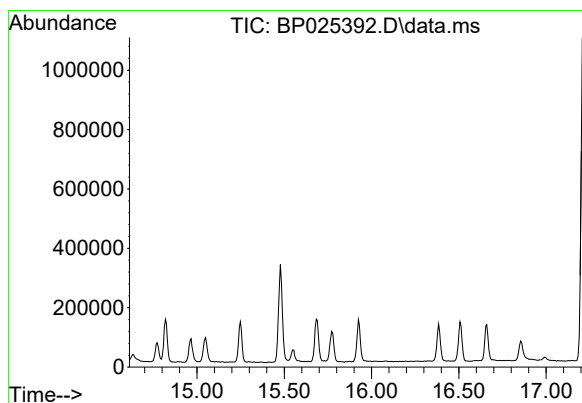
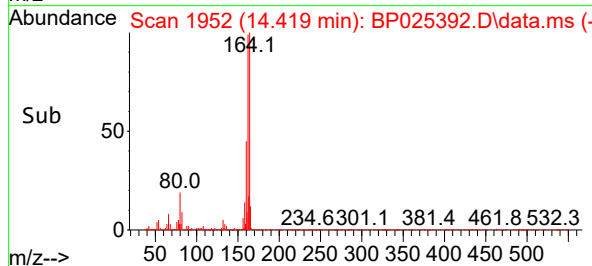
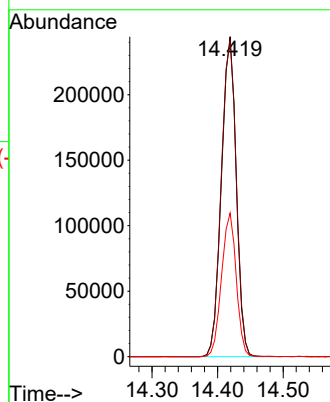
Tgt Ion:164 Resp: 380728

Ion Ratio Lower Upper

164 100

162 98.7 81.0 121.6

160 44.9 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 15.91 min

Lab File: BP025392.D

Acq: 14 Aug 2025 12:33

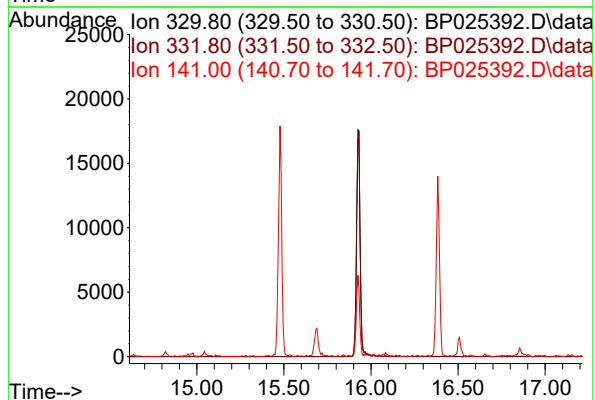
Tgt Ion: 330

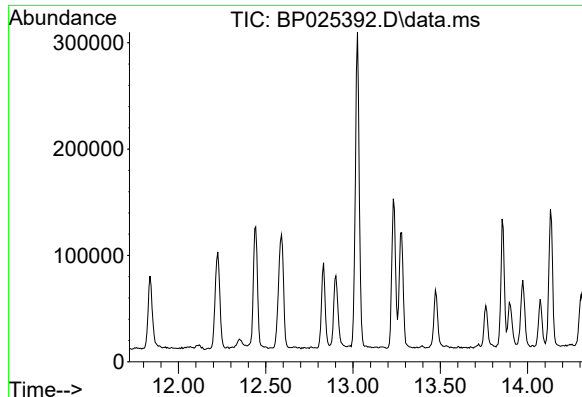
Sig Exp Ratio

330 100

332 96.6

141 33.2

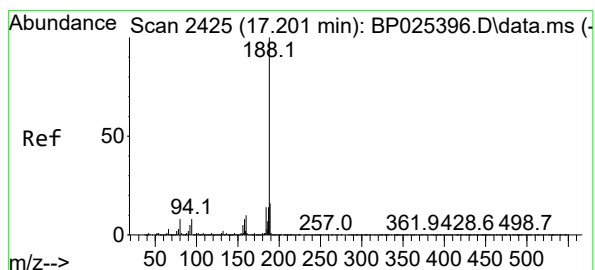
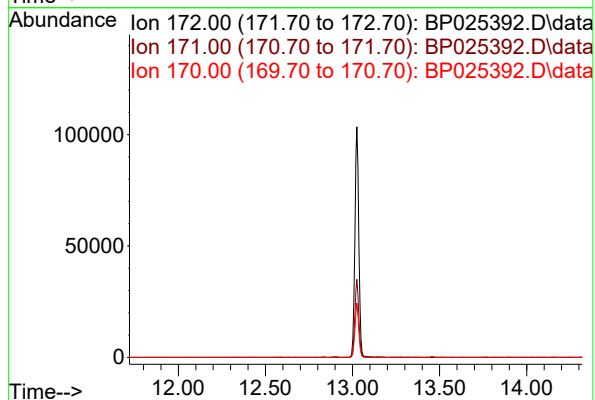




#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.02 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

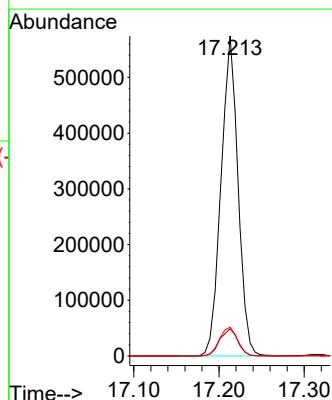
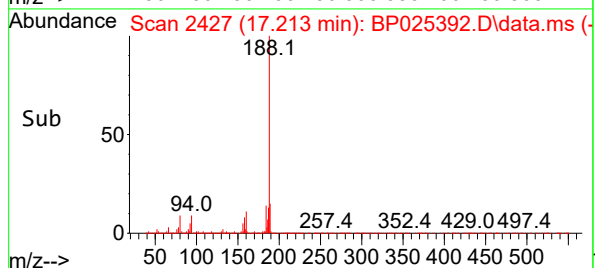
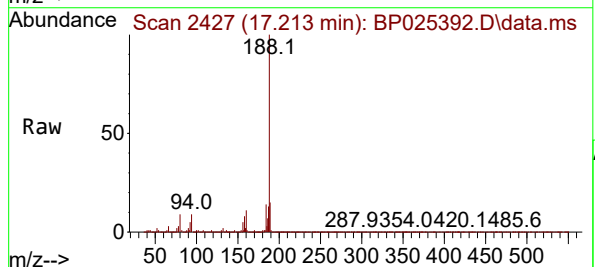
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

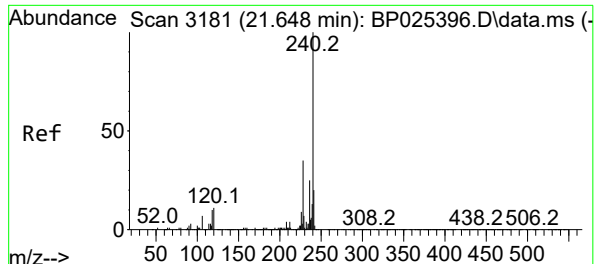
Tgt Ion: 172
Sig Exp Ratio
172 100
171 35.1
170 23.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 188 Resp: 796256
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.0 6.7 10.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.660 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025392.D

Acq: 14 Aug 2025 12:33

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

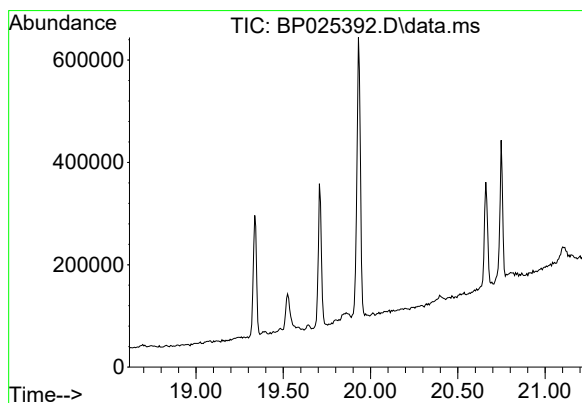
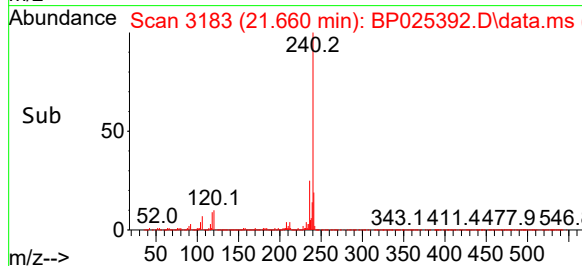
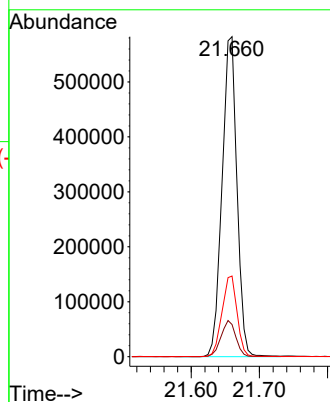
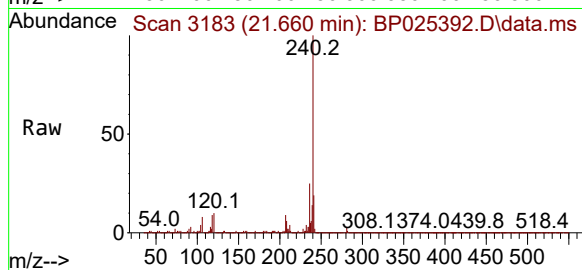
Tgt Ion: 240 Resp: 884747

Ion Ratio Lower Upper

240 100

120 10.0 8.9 13.3

236 25.2 19.8 29.8



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 19.92 min

Lab File: BP025392.D

Acq: 14 Aug 2025 12:33

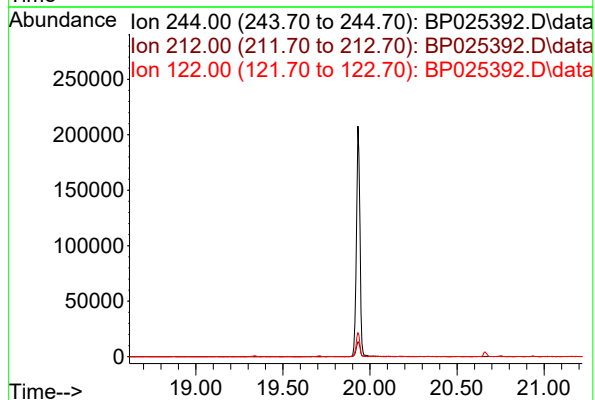
Tgt Ion: 244

Sig Exp Ratio

244 100

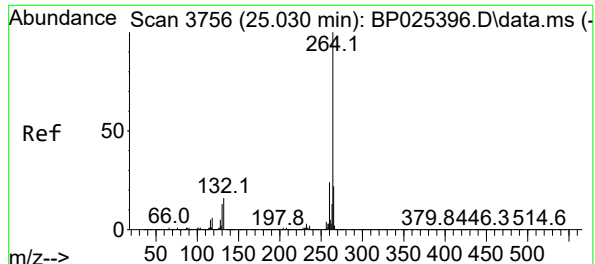
212 7.2

122 9.3



Ion 212.00 (211.70 to 212.70): BP025392.D\data.ms

Ion 122.00 (121.70 to 122.70): BP025392.D\data.ms



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.042 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025392.D

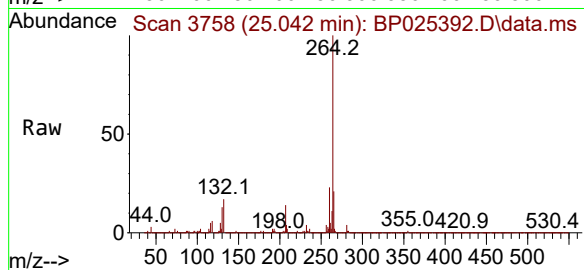
Acq: 14 Aug 2025 12:33

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5



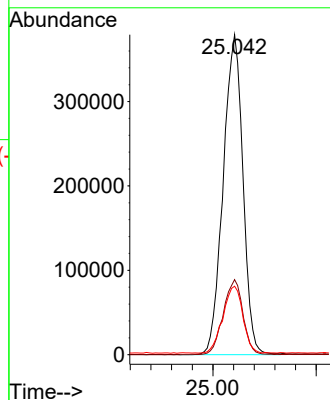
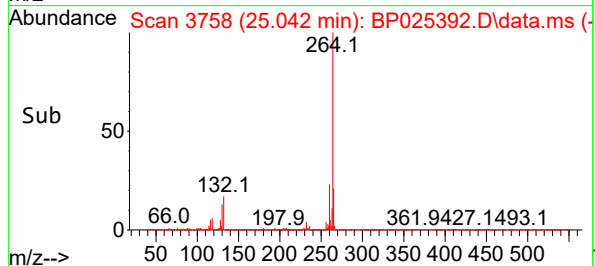
Tgt Ion:264 Resp: 1005304

Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 21.4 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:52:32 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 17:44:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	130958	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	551384	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	392376	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	816331	20.000	ng	0.00
76) Chrysene-d12	21.654	240	858165	20.000	ng	0.00
86) Perylene-d12	25.036	264	963881	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	80645	10.227	ng	0.00
7) Phenol-d6	6.966	99	97106	9.605	ng	0.00
23) Nitrobenzene-d5	8.931	82	108814	9.983	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	52188	9.881	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	305742	10.649	ng	0.00
79) Terphenyl-d14	19.925	244	536049	11.428	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	17016	5.509	ng	95
3) Pyridine	3.731	79	47347	5.600	ng	95
6) Aniline	7.119	93	68694	5.043	ng	100
8) 2-Chlorophenol	7.366	128	44217	4.969	ng	98
10) Phenol	6.990	94	52186	4.919	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	41995	5.079	ng	98
12) 1,3-Dichlorobenzene	7.684	146	50146	5.111	ng	96
13) 1,4-Dichlorobenzene	7.825	146	51948	5.180	ng	97
14) 1,2-Dichlorobenzene	8.143	146	50995	5.253	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.313	45	57686	5.208	ng	98
17) 2-Methylphenol	8.225	107	35186	4.776	ng	96
18) Hexachloroethane	8.866	117	18905	5.127	ng	99
19) n-Nitroso-di-n-propyla...	8.584	70	34898	5.205	ng	95
22) Acetophenone	8.602	105	70986	5.134	ng	# 96
24) Nitrobenzene	8.972	77	48234	4.951	ng	99
25) Isophorone	9.496	82	101112	5.242	ng	98
26) 2-Nitrophenol	9.678	139	23020	4.605	ng	95
27) 2,4-Dimethylphenol	9.737	122	41790	4.861	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	61017	5.233	ng	98
29) 2,4-Dichlorophenol	10.213	162	40336	4.723	ng	94
30) 1,2,4-Trichlorobenzene	10.425	180	49237	5.259	ng	97
31) Naphthalene	10.613	128	147346	5.141	ng	99
33) 4-Chloroaniline	10.713	127	62452	4.933	ng	96
34) Hexachlorobutadiene	10.902	225	30559	5.241	ng	95
36) 4-Chloro-3-methylphenol	11.837	107	50515	5.154	ng	91
37) 2-Methylnaphthalene	12.219	142	98648	5.289	ng	97
38) 1-Methylnaphthalene	12.437	142	107044	5.397	ng	97
40) 1,2,4,5-Tetrachloroben...	12.590	216	56676	5.001	ng	100
43) 2,4,6-Trichlorophenol	12.831	196	36093	4.718	ng	95
44) 2,4,5-Trichlorophenol	12.901	196	40875	4.875	ng	95
46) 1,1'-Biphenyl	13.237	154	146651	5.146	ng	98
47) 2-Chloronaphthalene	13.272	162	113015	5.094	ng	99
48) 2-Nitroaniline	13.466	65	29527	4.568	ng	98
49) Acenaphthylene	14.125	152	187026	5.095	ng	99
50) Dimethylphthalate	13.860	163	153868	5.355	ng	99
51) 2,6-Dinitrotoluene	13.966	165	29088	4.803	ng	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025393.D
 Acq On : 14 Aug 2025 13:15
 Operator : CG/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:52:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

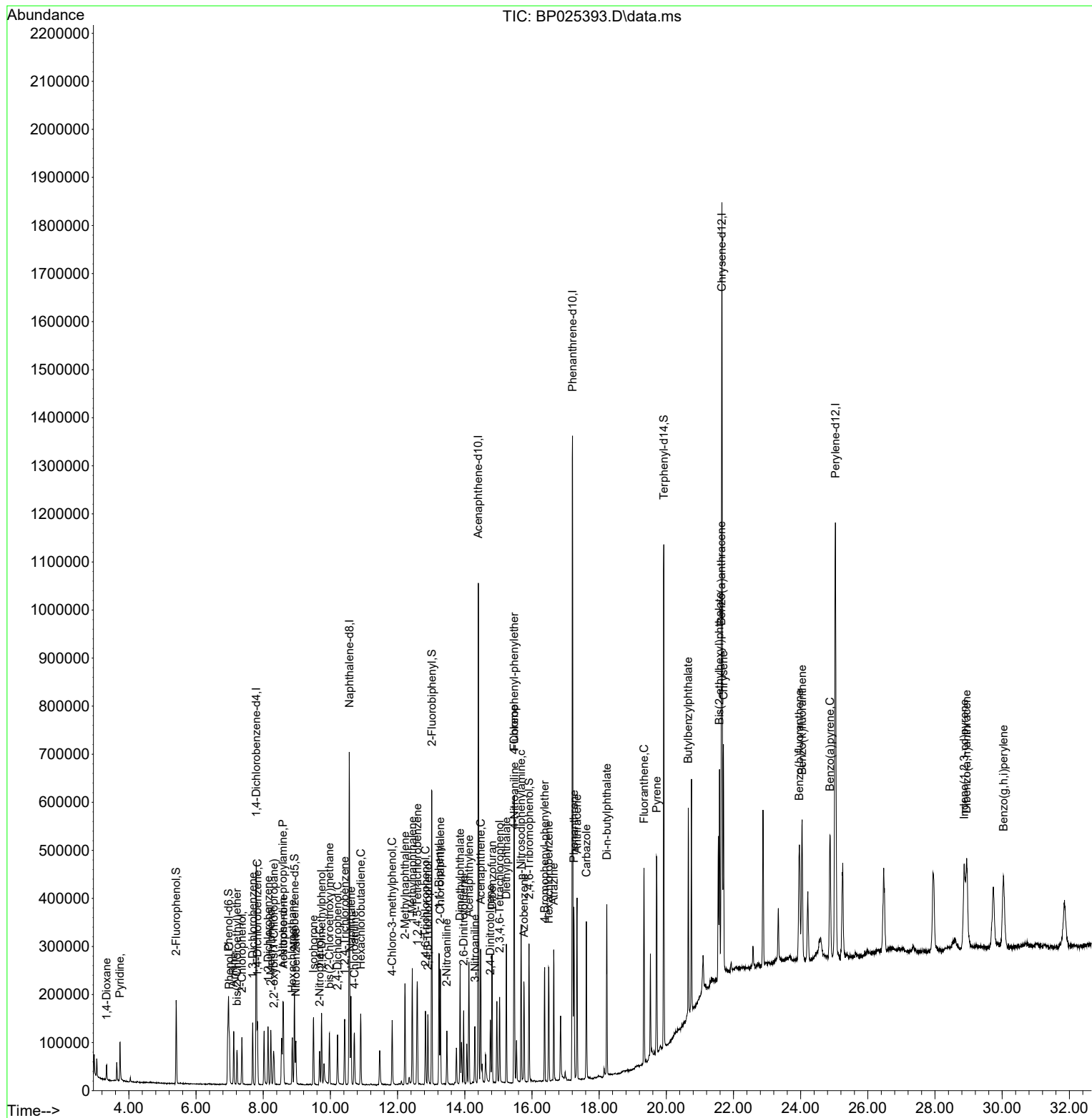
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.472	154	112730m	5.232	ng	
53) 3-Nitroaniline	14.301	138	31224	4.583	ng	85
55) Dibenzofuran	14.813	168	178494	5.240	ng	99
57) 2,4-Dinitrotoluene	14.760	165	39658	4.590	ng	94
58) Fluorene	15.472	166	147760	5.497	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.037	232	36779	4.968	ng	99
60) Diethylphthalate	15.237	149	158426	5.426	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	74636	5.583	ng	99
62) 4-Nitroaniline	15.478	138	33466	4.791	ng	90
63) Azobenzene	15.760	77	128978	5.159	ng	99
66) n-Nitrosodiphenylamine	15.678	169	129805	5.214	ng	97
67) 4-Bromophenyl-phenylether	16.378	248	47579	5.299	ng	98
68) Hexachlorobenzene	16.501	284	53940	5.183	ng	98
69) Atrazine	16.648	200	46750	5.015	ng	96
71) Phenanthrene	17.248	178	237107	5.287	ng	98
72) Anthracene	17.342	178	236938	5.174	ng	99
73) Carbazole	17.619	167	220112	5.103	ng	98
74) Di-n-butylphthalate	18.231	149	274467	5.172	ng	99
75) Fluoranthene	19.336	202	279497	5.225	ng	99
78) Pyrene	19.713	202	299922	5.377	ng	98
80) Butylbenzylphthalate	20.654	149	126321	4.997	ng	99
81) Benzo(a)anthracene	21.636	228	296847	5.245	ng	100
83) Chrysene	21.701	228	277175	5.229	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	194541	5.228	ng	97
87) Indeno(1,2,3-cd)pyrene	28.865	276	350414	4.956	ng	98
88) Benzo(b)fluoranthene	23.960	252	289797	5.099	ng	99
89) Benzo(k)fluoranthene	24.042	252	289556	5.091	ng	98
90) Benzo(a)pyrene	24.877	252	274440	4.960	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	284440	4.924	ng	100
92) Benzo(g,h,i)perylene	30.036	276	279987	4.931	ng	97

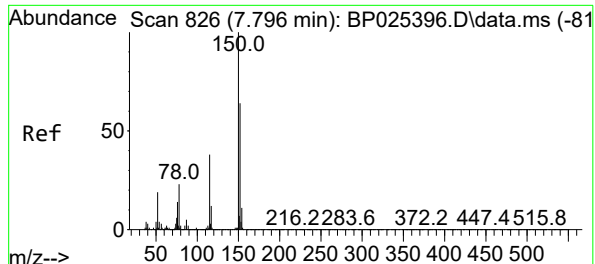
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

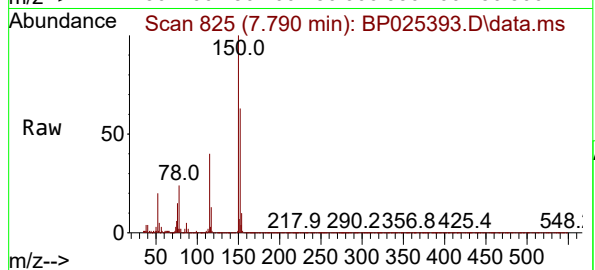
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jaagrut Upadhyay 08/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

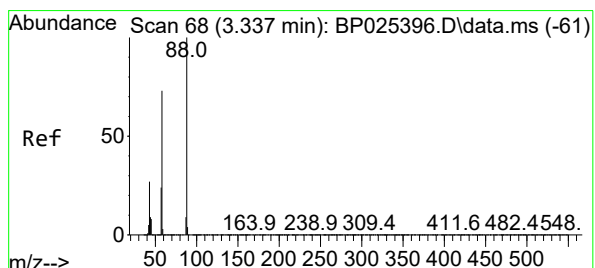
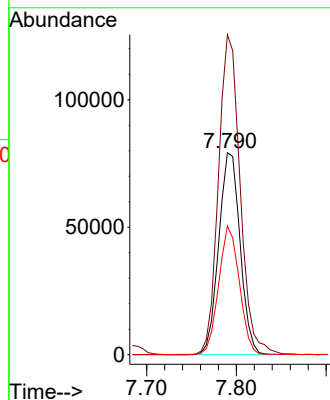
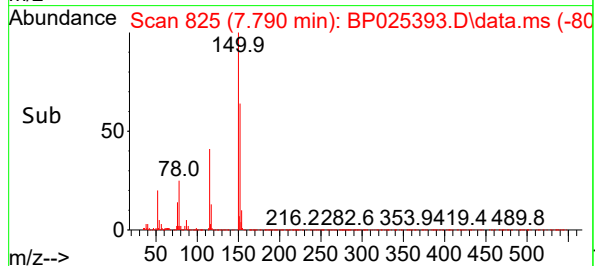
Instrument :
BNA_P
Client Sample Id :
SSTDICC005



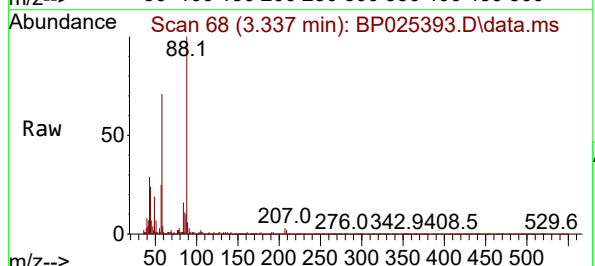
Tgt Ion: 152 Resp: 130958
Ion Ratio Lower Upper
152 100
150 158.5 125.9 188.9
115 63.8 48.5 72.7

Manual Integrations
APPROVED

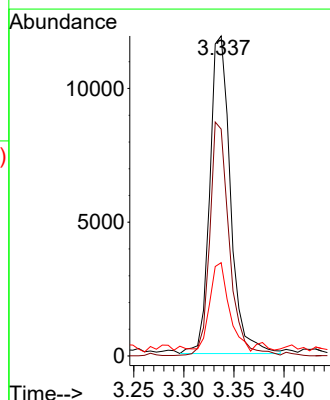
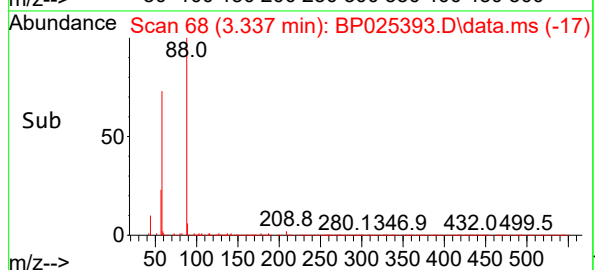
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

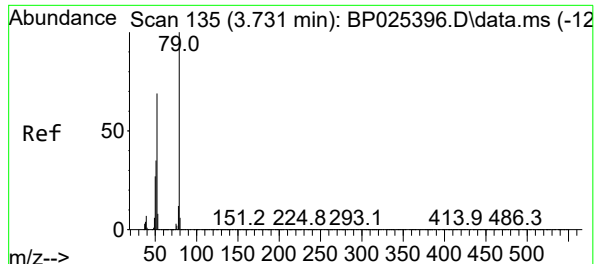


#2
1,4-Dioxane
Concen: 5.509 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion: 88 Resp: 17016
Ion Ratio Lower Upper
88 100
58 69.1 59.2 88.8
43 26.1 21.7 32.5





#3

Pyridine

Concen: 5.600 ng

RT: 3.731 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

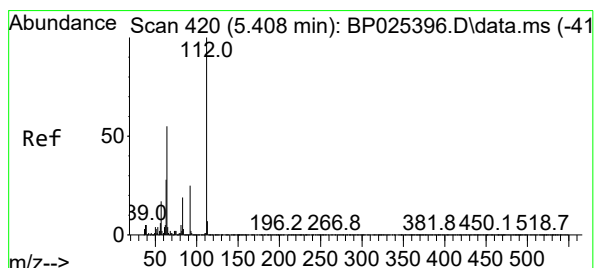
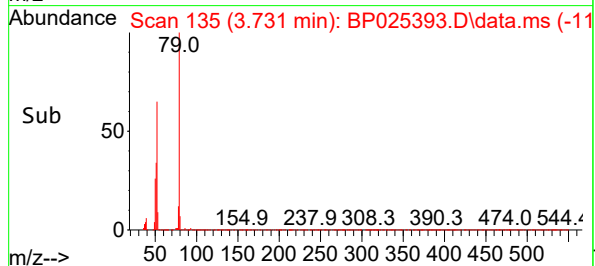
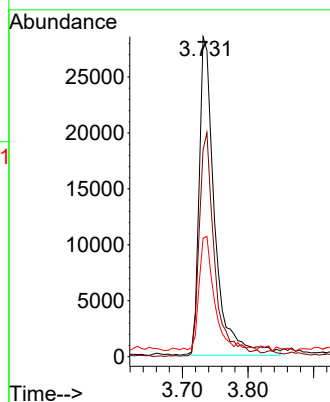
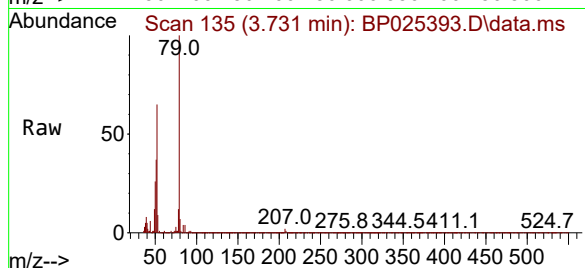
SSTDICC005

Tgt Ion:	79	Resp:	4734
Ion	Ratio	Lower	Upper
79	100		
52	64.7	55.5	83.3
51	37.0	28.3	42.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#5

2-Fluorophenol

Concen: 10.227 ng

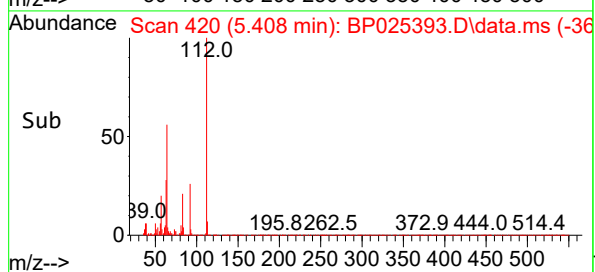
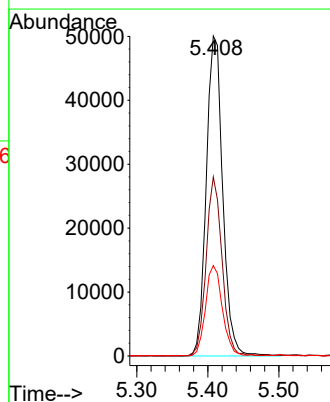
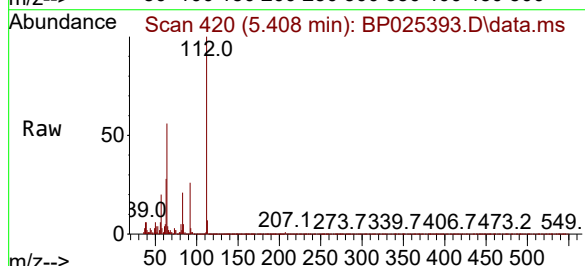
RT: 5.408 min Scan# 420

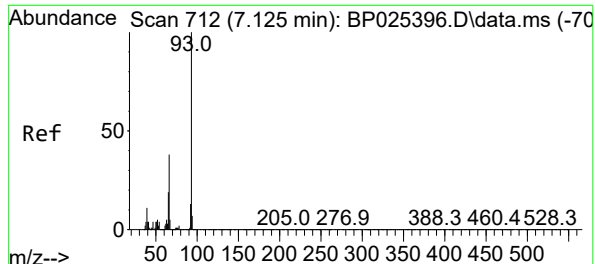
Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:	112	Resp:	80645
Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.8	65.8
63	28.3	22.7	34.1





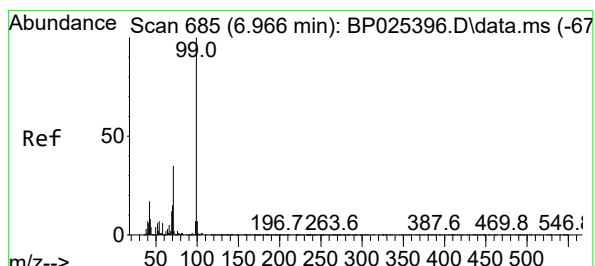
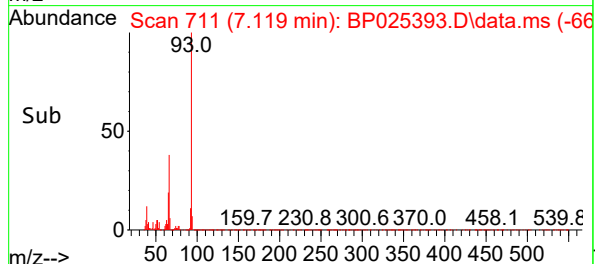
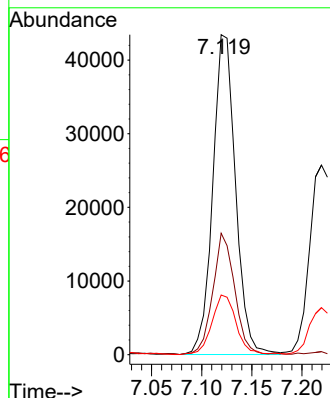
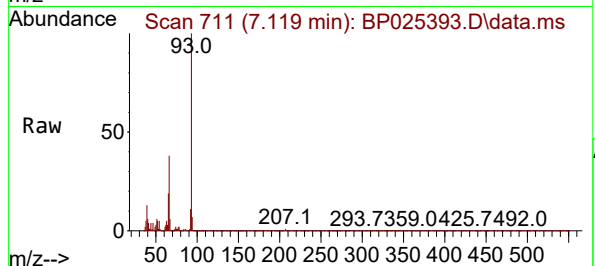
#6
Aniline
Concen: 5.043 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 68694
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 18.6 15.3 22.9

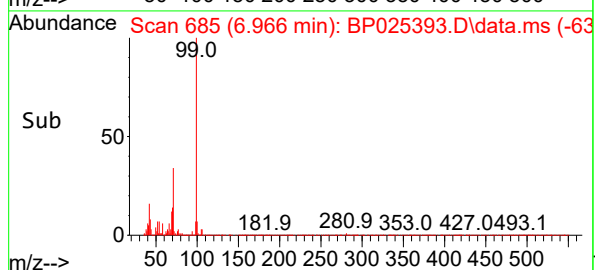
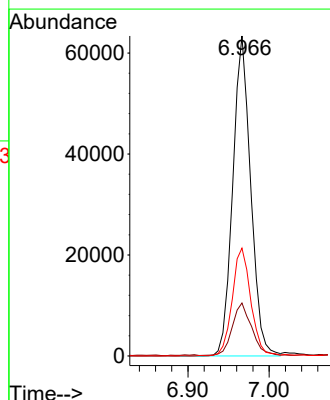
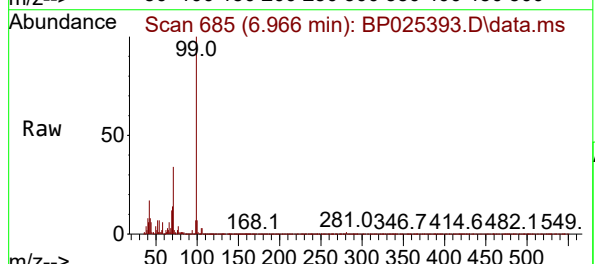
Manual Integrations
APPROVED

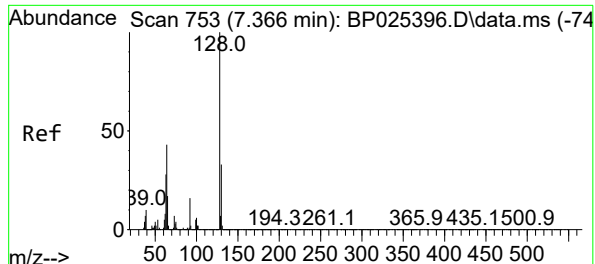
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#7
Phenol-d6
Concen: 9.605 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 99 Resp: 97106
Ion Ratio Lower Upper
99 100
42 16.5 13.7 20.5
71 33.7 28.2 42.4





#8

2-Chlorophenol

Concen: 4.969 ng

RT: 7.366 min Scan# 71

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

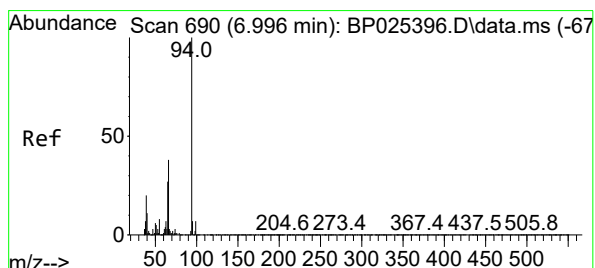
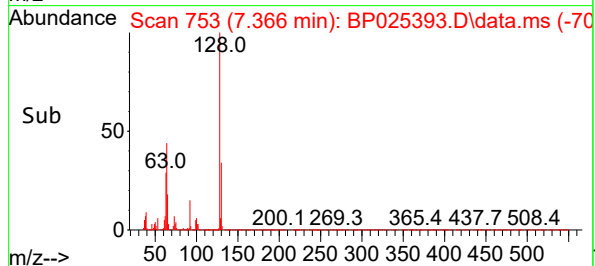
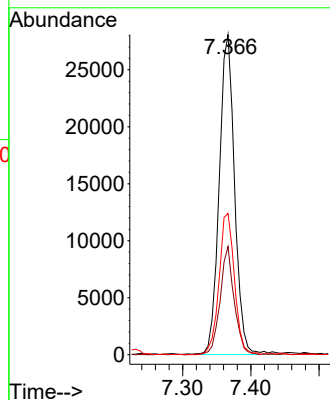
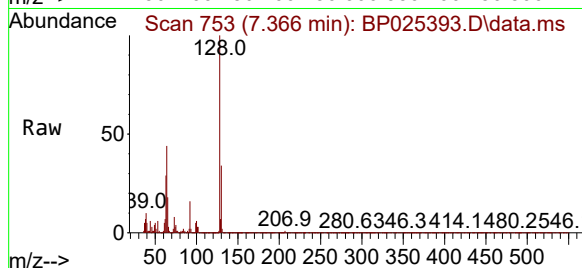
SSTDICC005

Tgt Ion:	128	Resp:	4421
Ion Ratio	Lower	Upper	
128	100		
130	33.8	12.6	52.6
64	44.1	23.4	63.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#10

Phenol

Concen: 4.919 ng

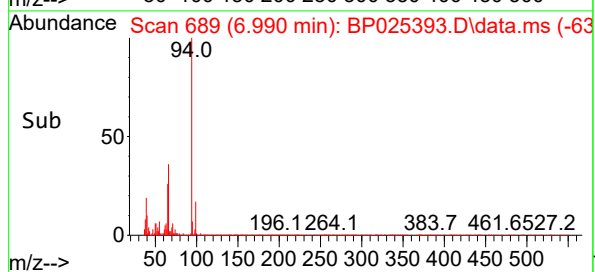
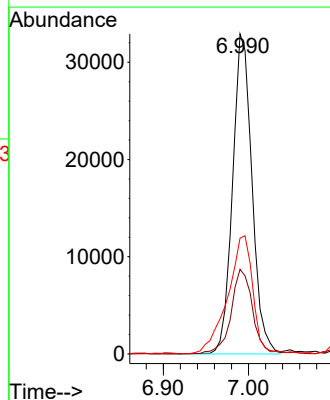
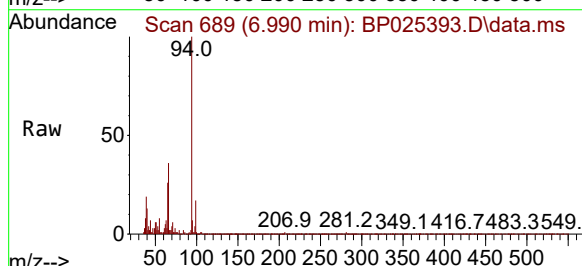
RT: 6.990 min Scan# 689

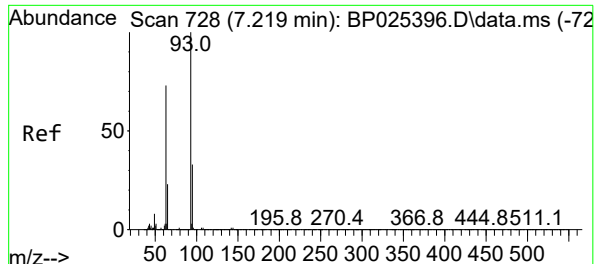
Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:	94	Resp:	52186
Ion Ratio	Lower	Upper	
94	100		
65	26.5	6.8	46.8
66	36.2	18.2	58.2





#11

bis(2-Chloroethyl)ether

Concen: 5.079 ng

RT: 7.219 min Scan# 728

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

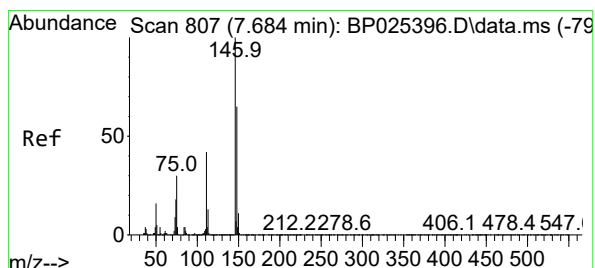
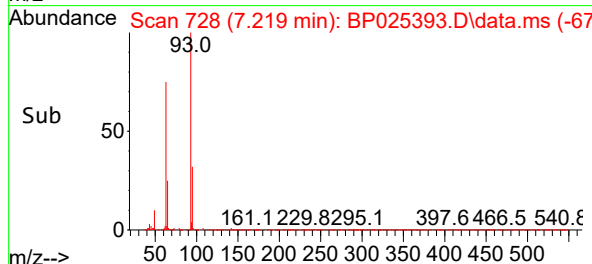
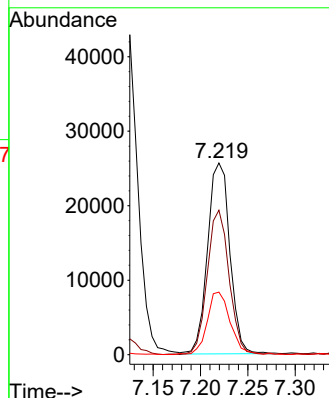
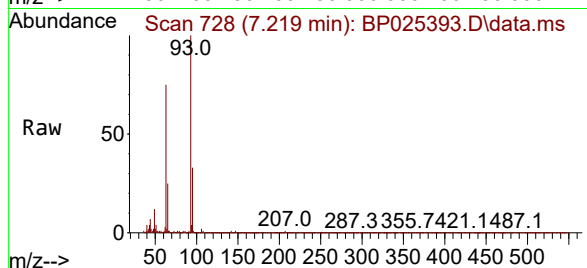
SSTDICC005

Tgt Ion:	93	Resp:	4199
Ion	Ratio	Lower	Upper
93	100		
63	75.4	52.6	92.6
95	32.6	12.7	52.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#12

1,3-Dichlorobenzene

Concen: 5.111 ng

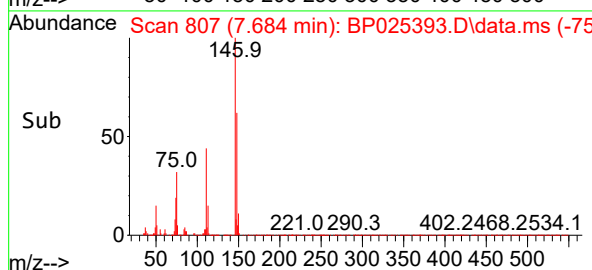
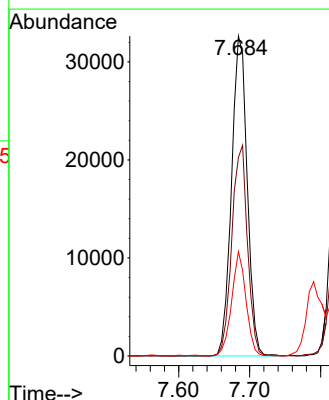
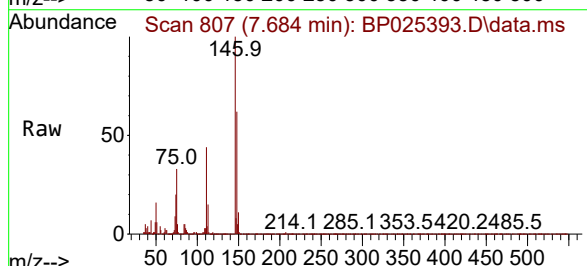
RT: 7.684 min Scan# 807

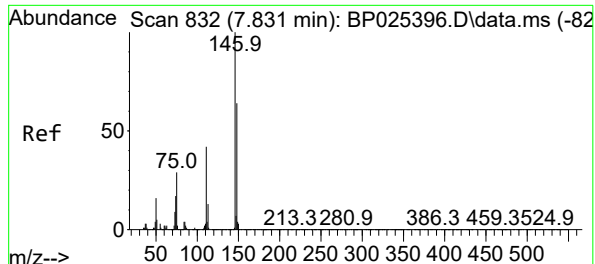
Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:	146	Resp:	50146
Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.9	77.9
75	32.6	23.7	35.5





#13

1,4-Dichlorobenzene

Concen: 5.180 ng

RT: 7.825 min Scan# 831

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

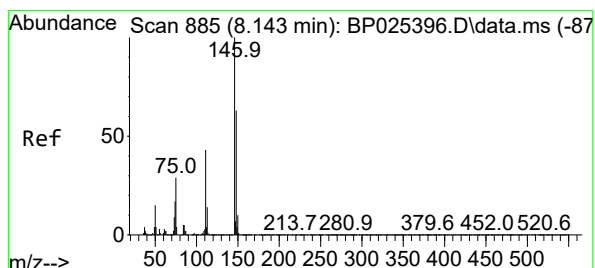
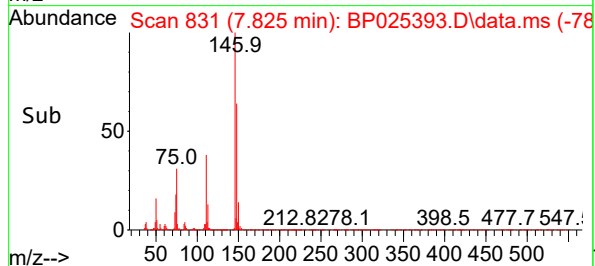
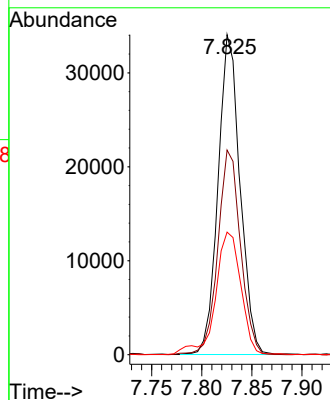
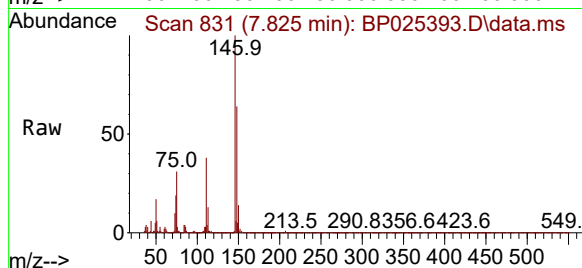
SSTDICC005

Tgt Ion:	146	Resp:	5194
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.6	77.4
111	38.3	33.4	50.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#14

1,2-Dichlorobenzene

Concen: 5.253 ng

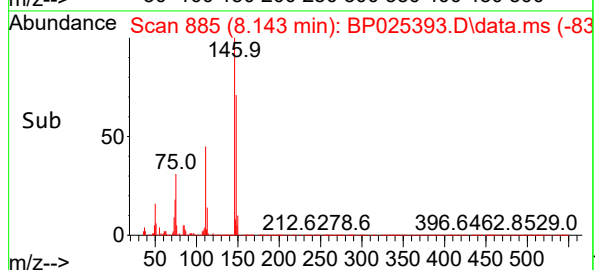
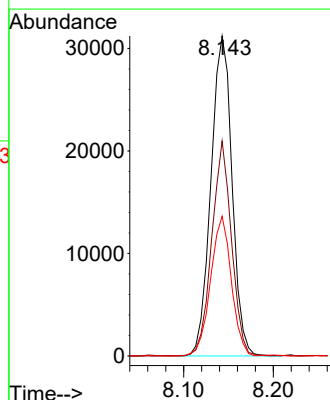
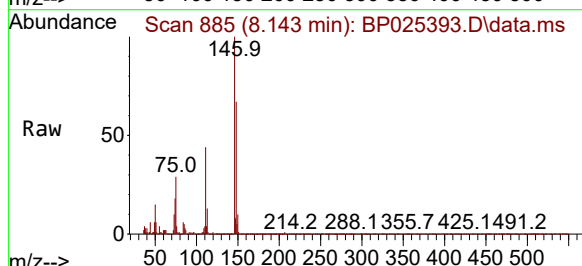
RT: 8.143 min Scan# 885

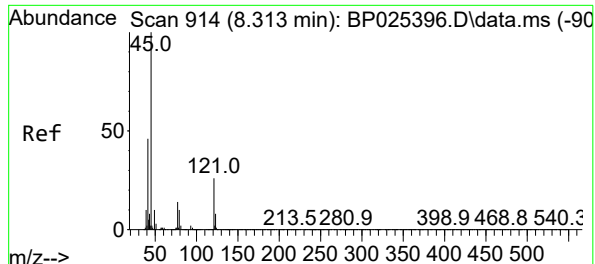
Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:	146	Resp:	50995
Ion Ratio	Lower	Upper	
146	100		
148	67.2	50.4	75.6
111	43.7	34.5	51.7





#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.208 ng

RT: 8.313 min Scan# 914

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

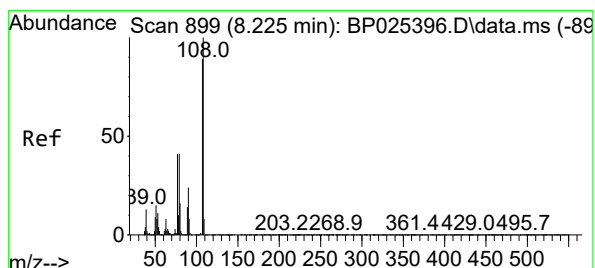
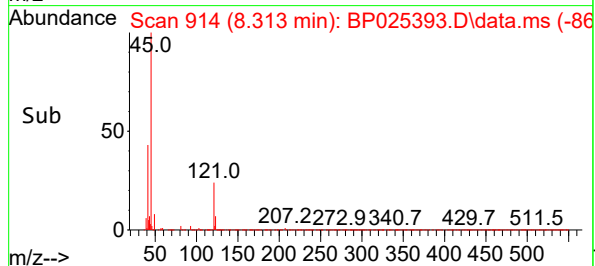
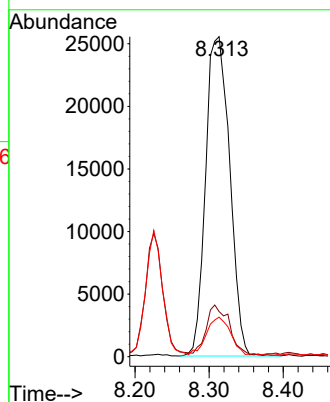
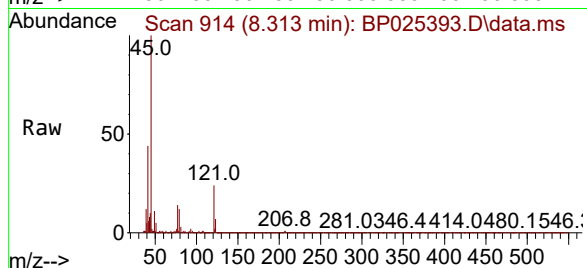
SSTDIC005

Tgt Ion:	45	Resp:	5768
Ion Ratio	Lower	Upper	
45	100		
77	14.1	0.0	35.3
79	12.4	0.0	31.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#17

2-Methylphenol

Concen: 4.776 ng

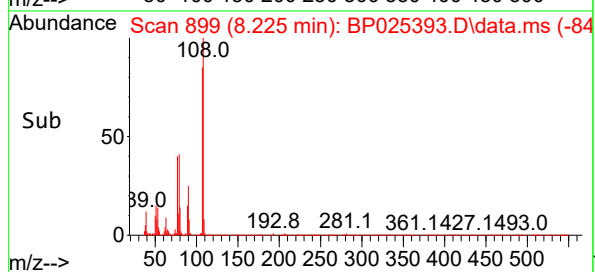
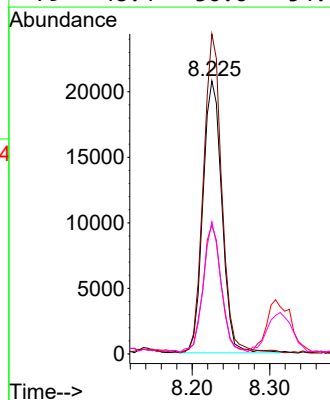
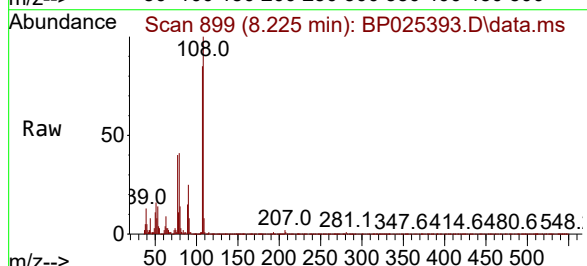
RT: 8.225 min Scan# 899

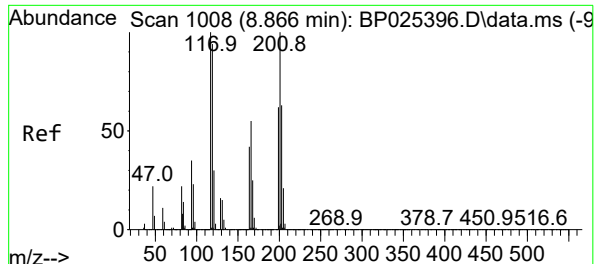
Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:	107	Resp:	35186
Ion Ratio	Lower	Upper	
107	100		
108	117.2	89.4	134.0
77	47.2	36.3	54.5
79	48.4	36.6	54.8





#18

Hexachloroethane

Concen: 5.127 ng

RT: 8.866 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDIC005

Tgt Ion:117 Resp: 1890

Ion Ratio Lower Upper

117 100

119 94.5 75.1 112.7

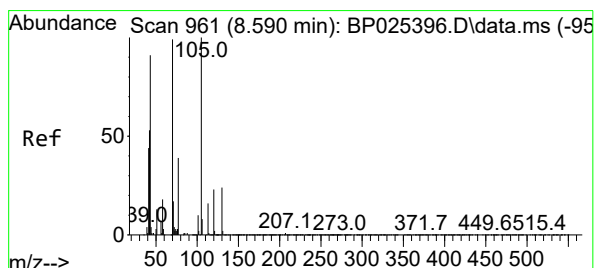
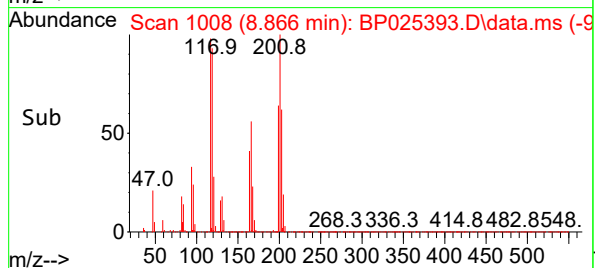
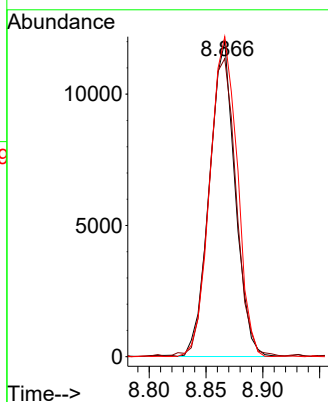
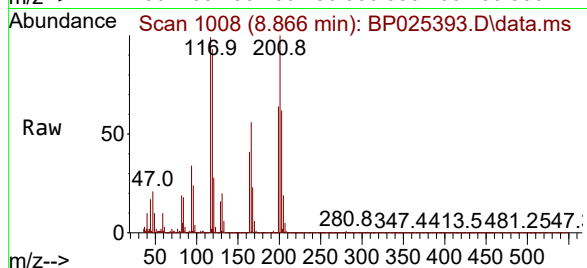
201 101.5 80.1 120.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#19

n-Nitroso-di-n-propylamine

Concen: 5.205 ng

RT: 8.584 min Scan# 960

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion: 70 Resp: 34898

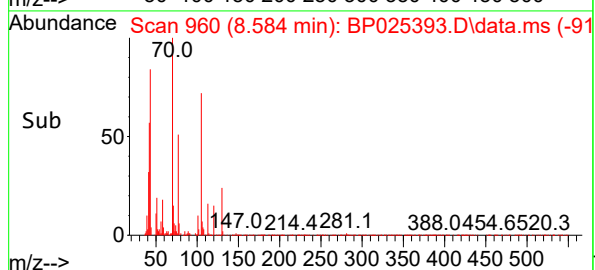
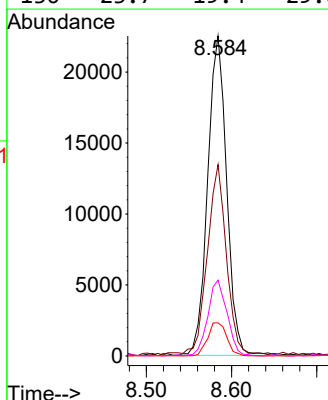
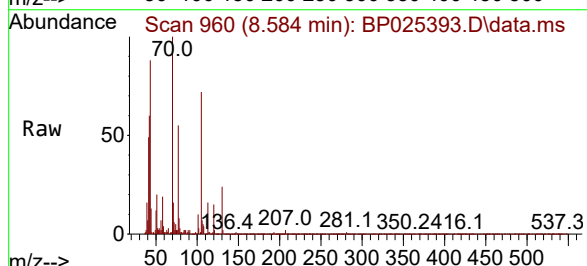
Ion Ratio Lower Upper

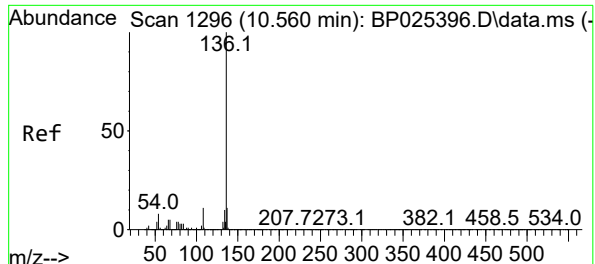
70 100

42 59.8 43.8 65.6

101 10.3 8.5 12.7

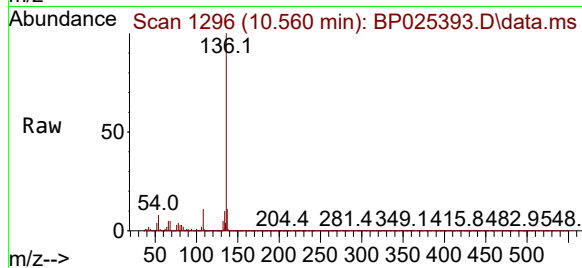
130 23.7 19.4 29.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

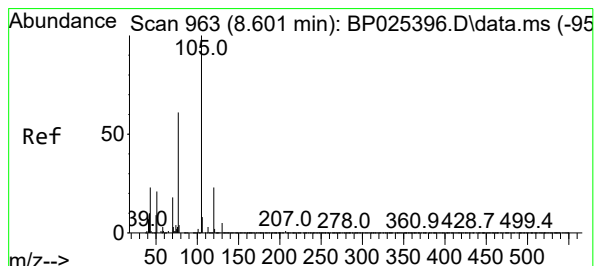
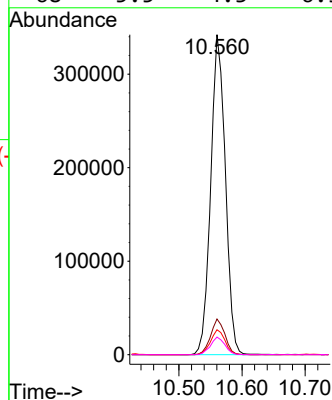
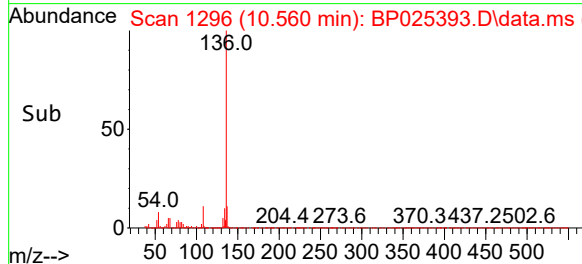
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion:136 Resp: 551384
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 7.8 6.0 9.0
68 5.5 4.3 6.5

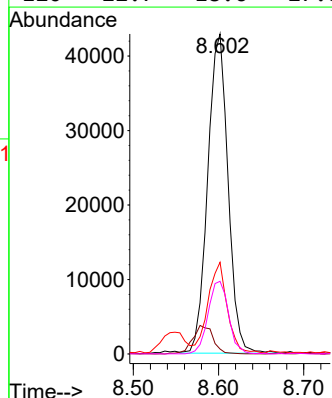
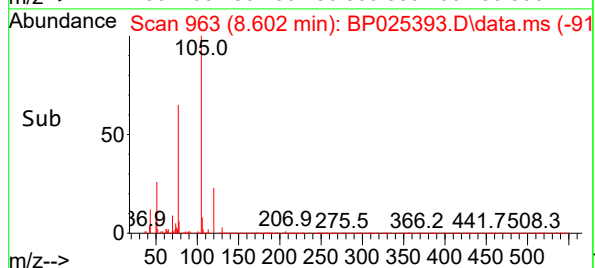
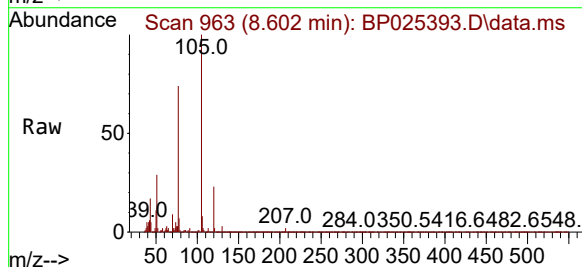
Manual Integrations
APPROVED

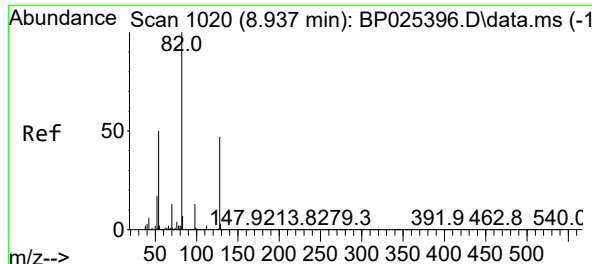
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#22
Acetophenone
Concen: 5.134 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:105 Resp: 70986
Ion Ratio Lower Upper
105 100
71 1.5 2.6 4.0#
51 28.7 20.6 30.8
120 22.7 18.6 27.8





#23

Nitrobenzene-d5

Concen: 9.983 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDIC005

Tgt Ion: 82 Resp: 108814

Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

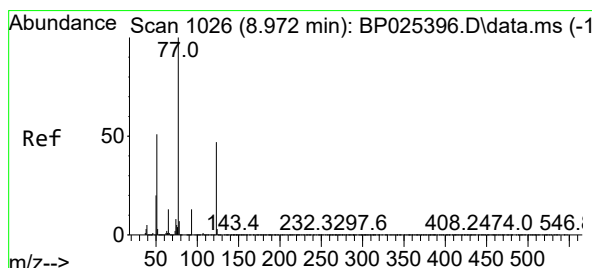
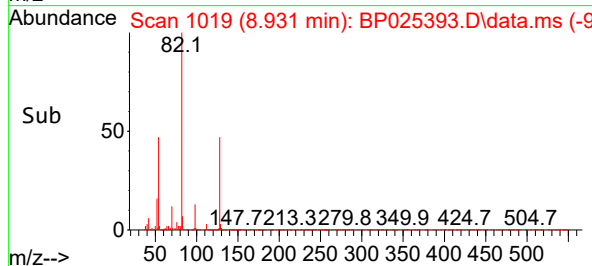
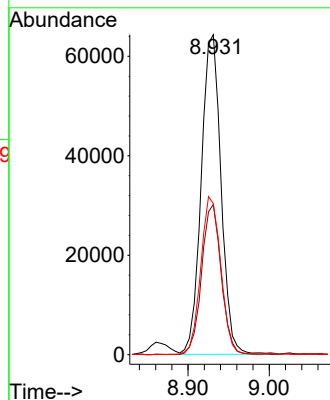
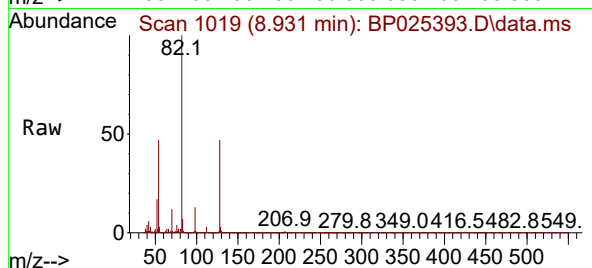
54 47.2 39.8 59.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#24

Nitrobenzene

Concen: 4.951 ng

RT: 8.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

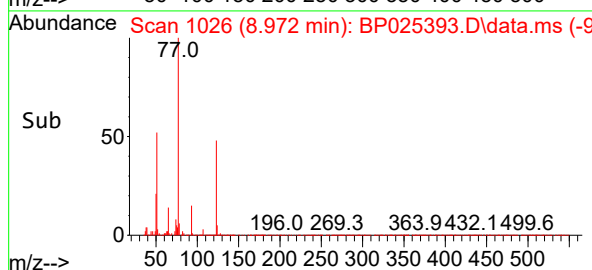
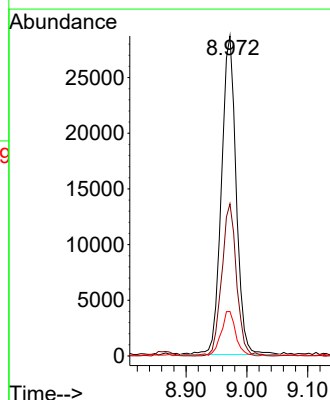
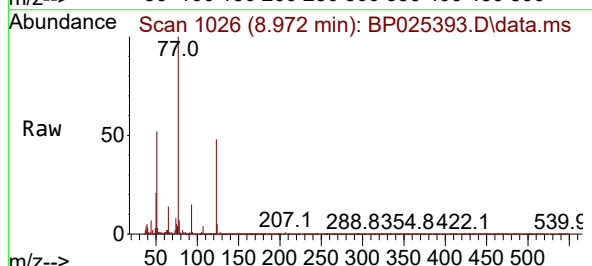
Tgt Ion: 77 Resp: 48234

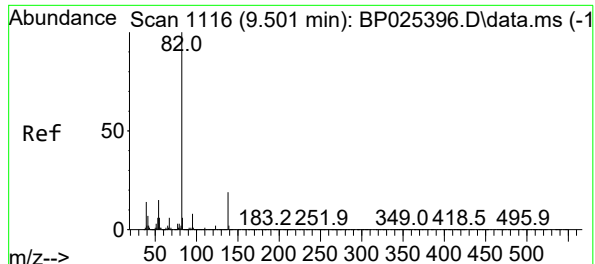
Ion Ratio Lower Upper

77 100

123 47.6 38.6 58.0

65 13.9 10.6 15.8





#25

Isophorone

Concen: 5.242 ng

RT: 9.496 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

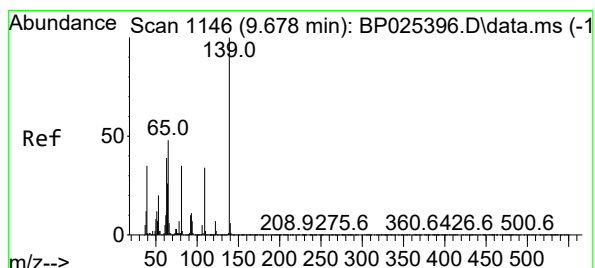
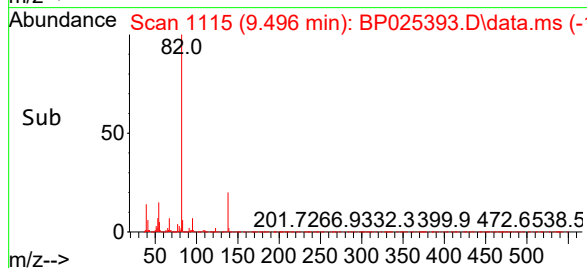
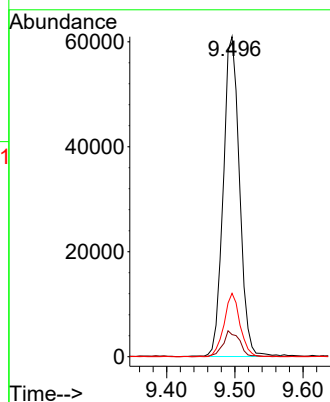
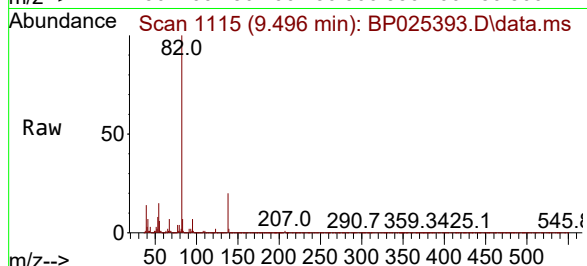
SSTDICC005

Tgt Ion:	82	Resp:	10111
Ion	Ratio	Lower	Upper
82	100		
95	6.9	6.4	9.6
138	19.8	15.4	23.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#26

2-Nitrophenol

Concen: 4.605 ng

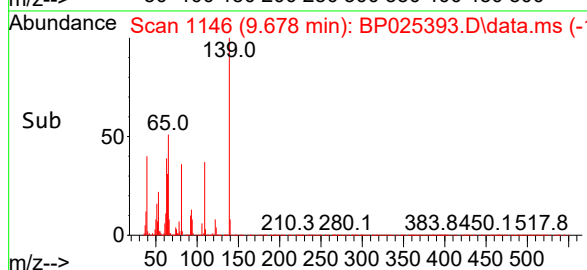
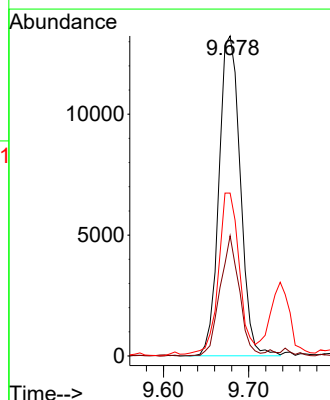
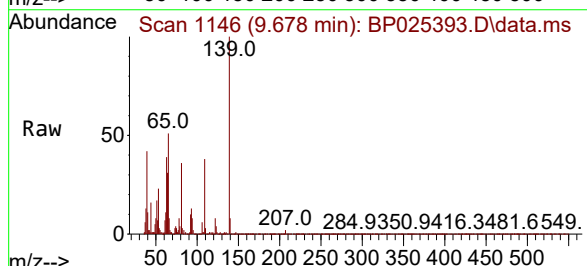
RT: 9.678 min Scan# 1146

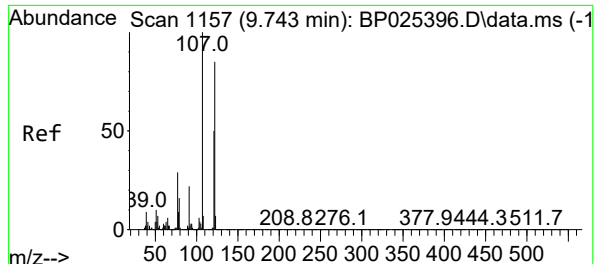
Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:	139	Resp:	23020
Ion	Ratio	Lower	Upper
139	100		
109	37.5	26.9	40.3
65	50.9	38.3	57.5





#27

2,4-Dimethylphenol

Concen: 4.861 ng

RT: 9.737 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:122 Resp: 41790

Ion Ratio Lower Upper

122 100

107 116.7 93.7 140.5

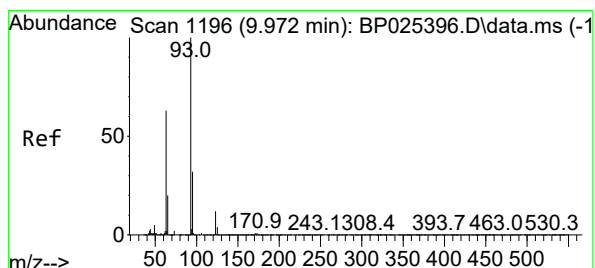
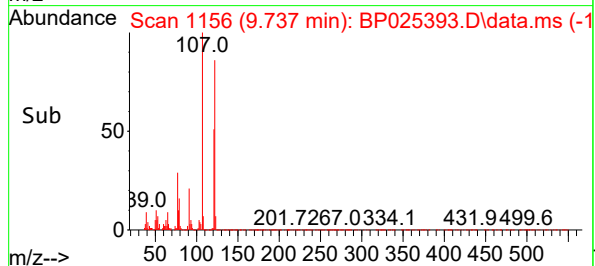
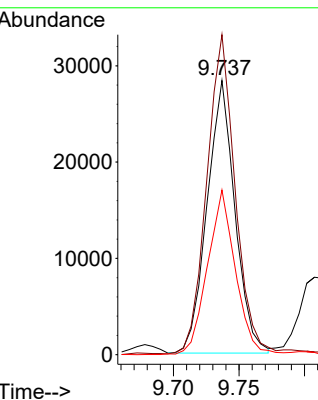
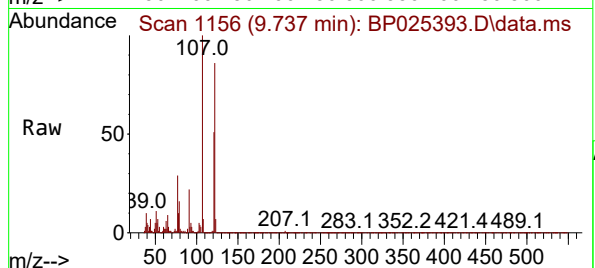
121 60.0 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 5.233 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

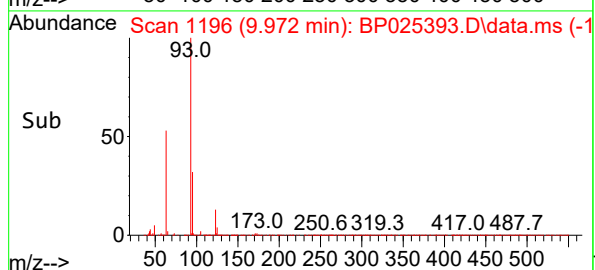
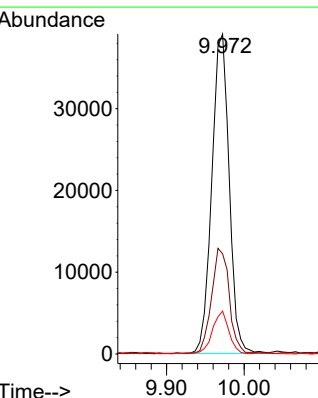
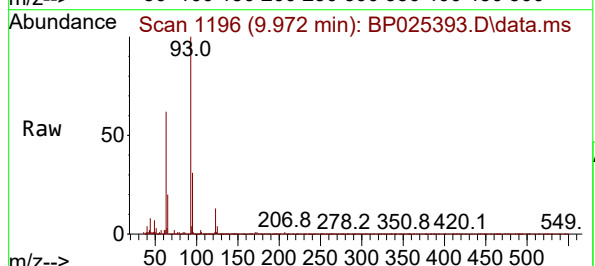
Tgt Ion: 93 Resp: 61017

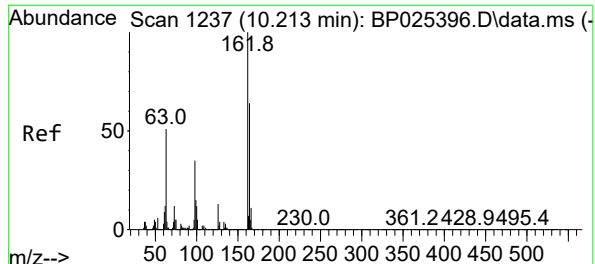
Ion Ratio Lower Upper

93 100

95 31.3 25.4 38.0

123 13.4 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 4.723 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

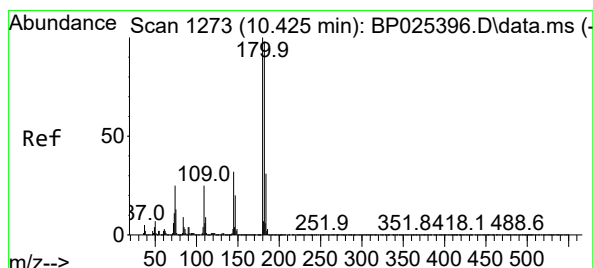
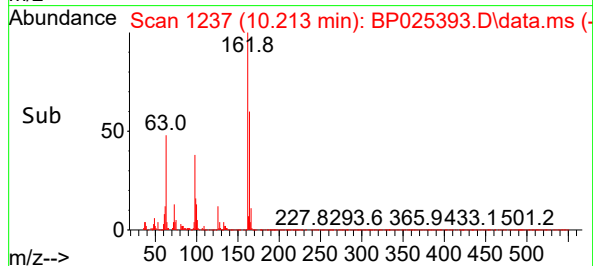
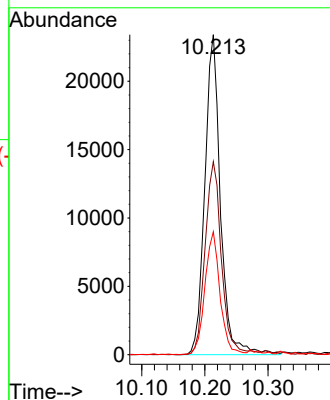
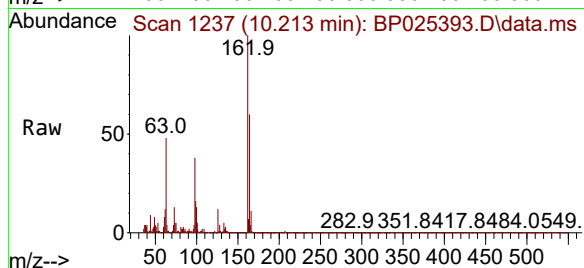
SSTDIC005

Tgt Ion:	162	Resp:	40330
Ion Ratio	Lower	Upper	
162	100		
164	60.3	44.4	84.4
98	38.4	14.9	54.9

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#30

1,2,4-Trichlorobenzene

Concen: 5.259 ng

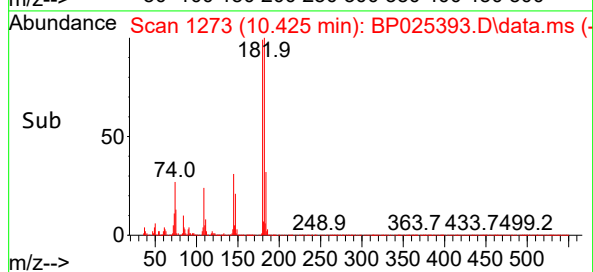
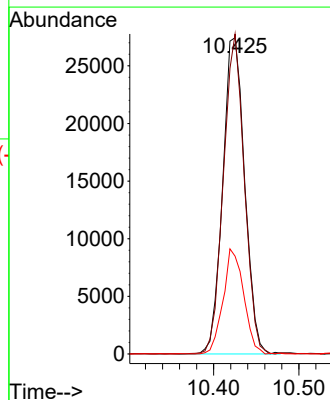
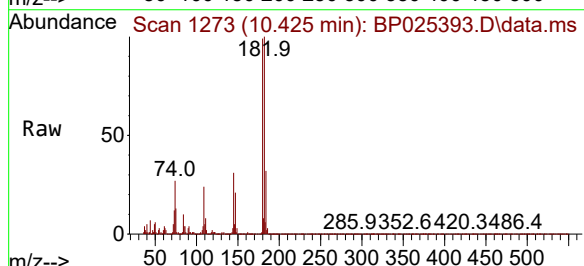
RT: 10.425 min Scan# 1273

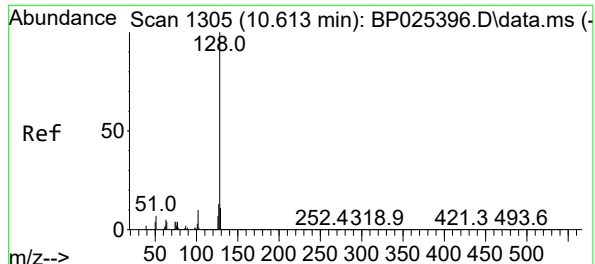
Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

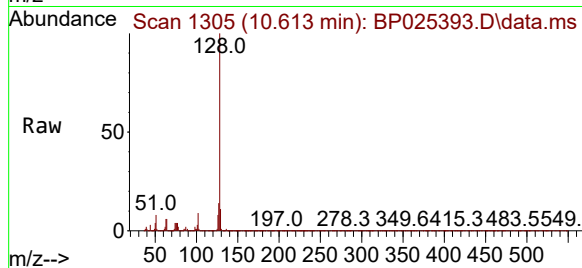
Tgt Ion:	180	Resp:	49237
Ion Ratio	Lower	Upper	
180	100		
182	101.2	78.0	117.0
145	30.9	25.9	38.9





#31
Naphthalene
Concen: 5.141 ng
RT: 10.613 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

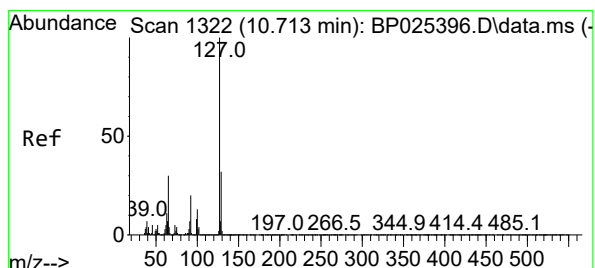
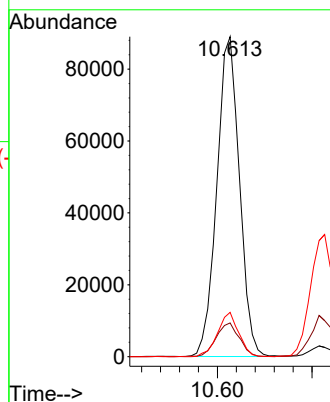
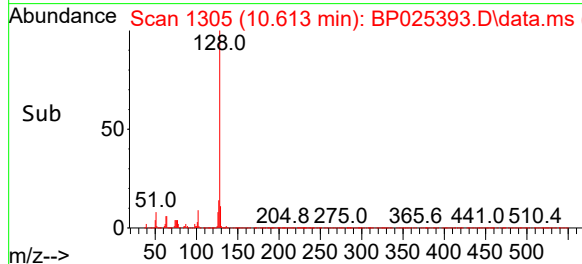
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion:128 Resp: 147340
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.9 10.7 16.1

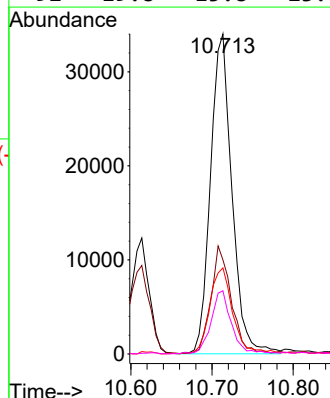
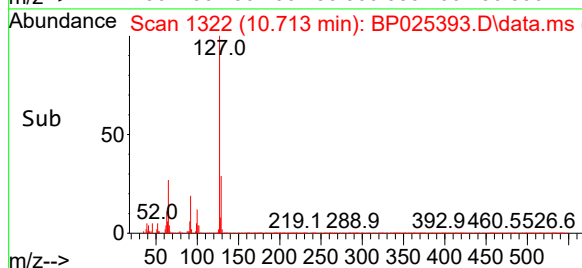
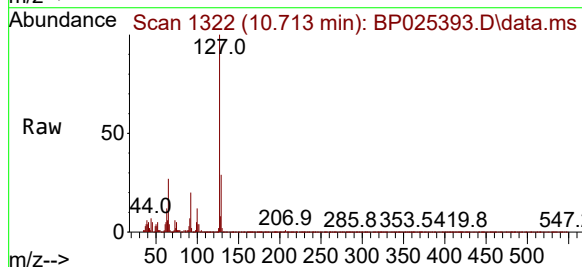
Manual Integrations
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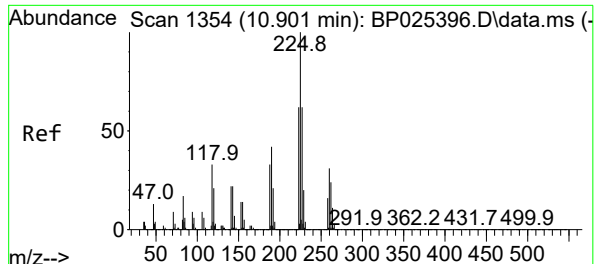
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#33
4-Chloroaniline
Concen: 4.933 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

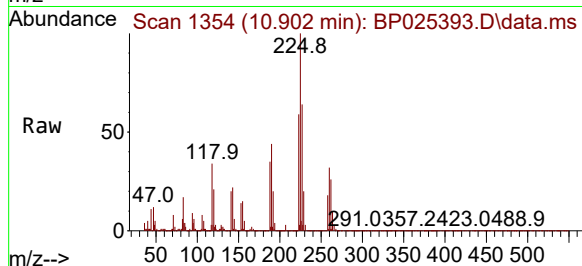
Tgt Ion:127 Resp: 62452
Ion Ratio Lower Upper
127 100
129 29.4 25.4 38.2
65 26.9 23.8 35.6
92 19.8 15.8 23.8





#34
Hexachlorobutadiene
Concen: 5.241 ng
RT: 10.902 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

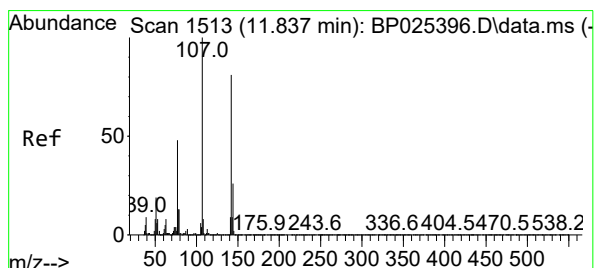
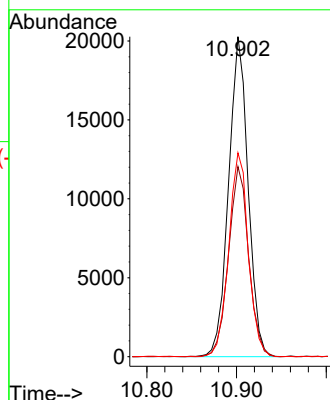
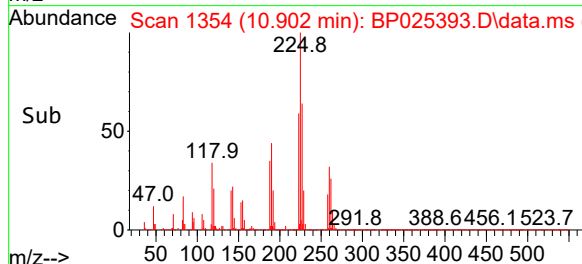
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion: 225 Resp: 3055
Ion Ratio Lower Upper
225 100
223 59.4 50.0 75.0
227 66.3 49.7 74.5

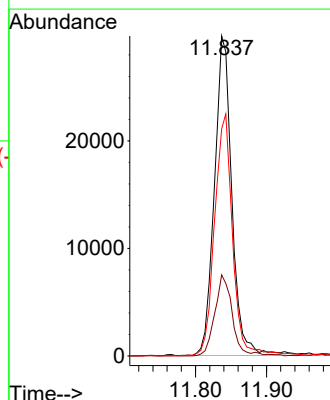
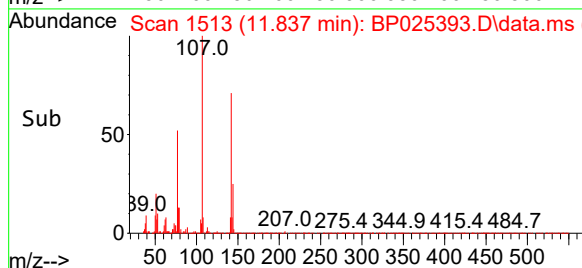
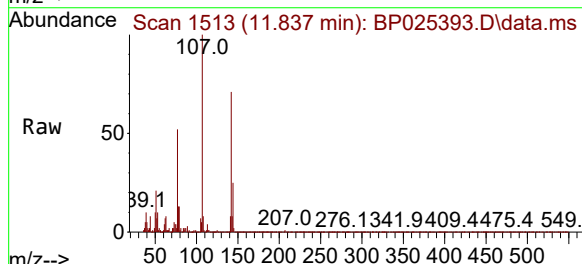
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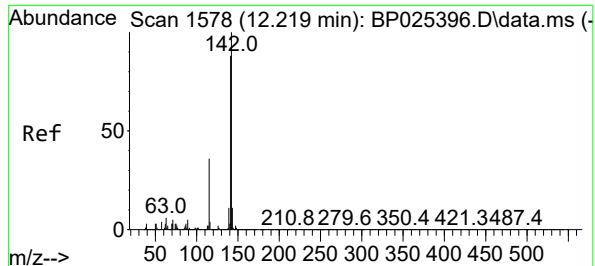
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#36
4-Chloro-3-methylphenol
Concen: 5.154 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 107 Resp: 50515
Ion Ratio Lower Upper
107 100
144 25.4 21.0 31.4
142 70.9 64.6 97.0





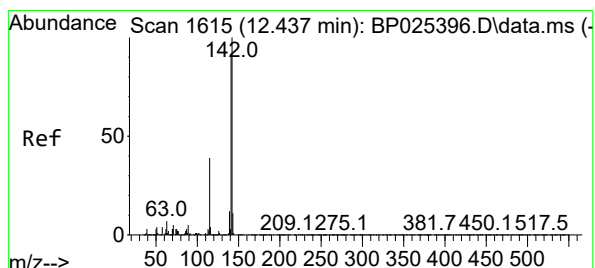
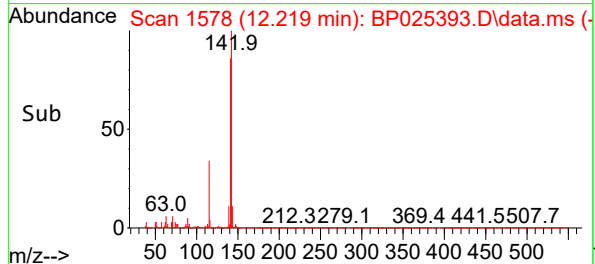
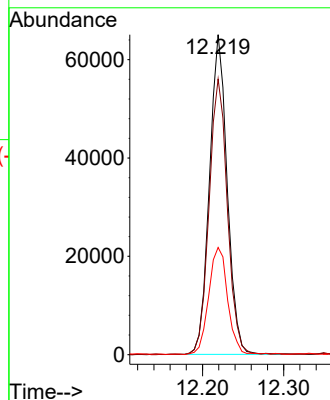
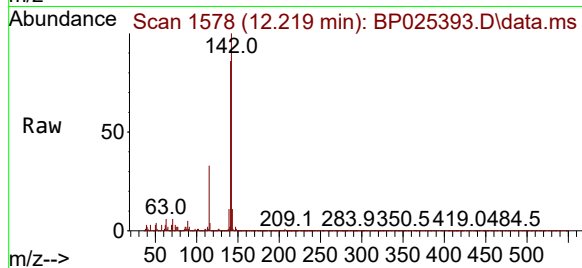
#37
2-Methylnaphthalene
Concen: 5.289 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 9864
Ion Ratio Lower Upper
142 100
141 86.1 70.3 105.5
115 33.5 28.9 43.3

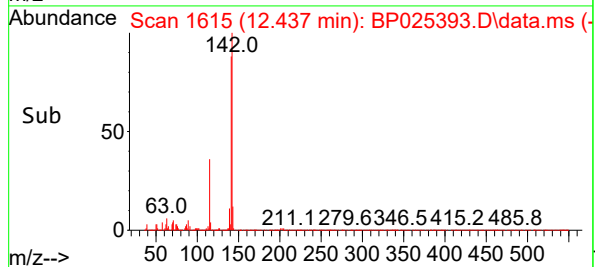
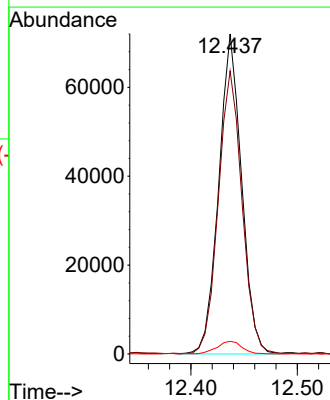
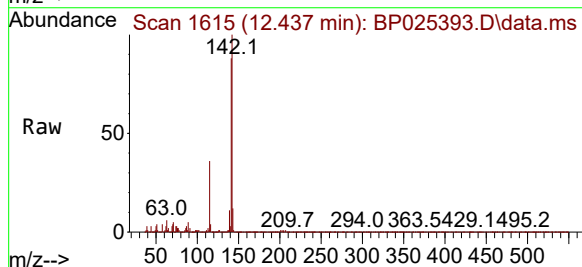
Manual Integrations
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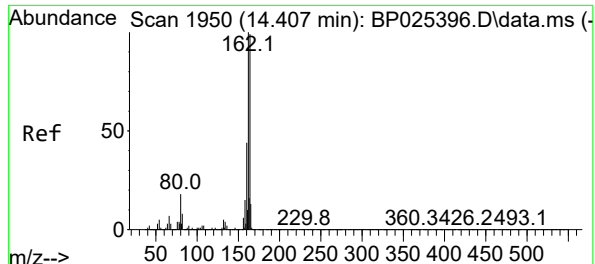
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#38
1-Methylnaphthalene
Concen: 5.397 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:142 Resp: 107044
Ion Ratio Lower Upper
142 100
141 88.4 73.1 109.7
116 3.9 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDIC005

Tgt Ion:164 Resp: 392370

Ion Ratio Lower Upper

164 100

162 103.6 81.0 121.6

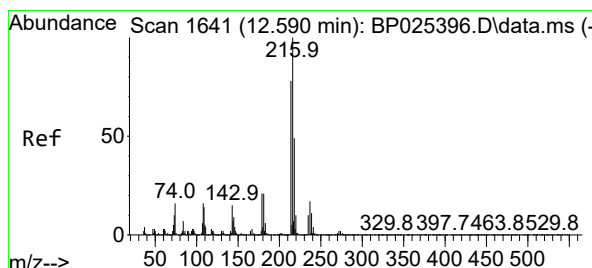
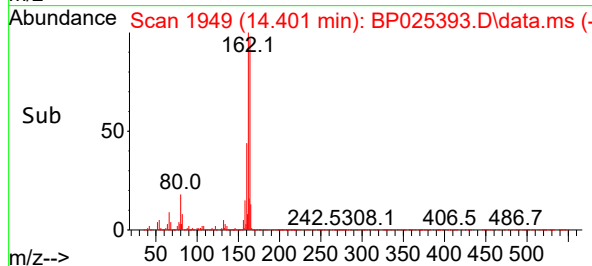
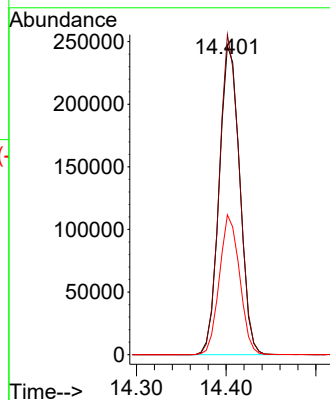
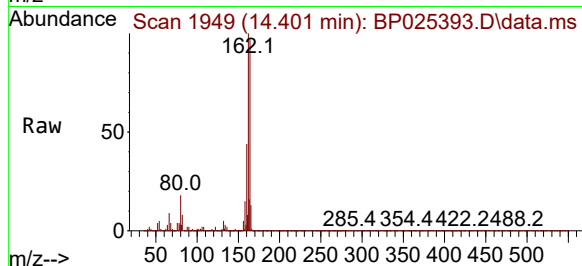
160 45.3 35.4 53.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.001 ng

RT: 12.590 min Scan# 1641

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:216 Resp: 56676

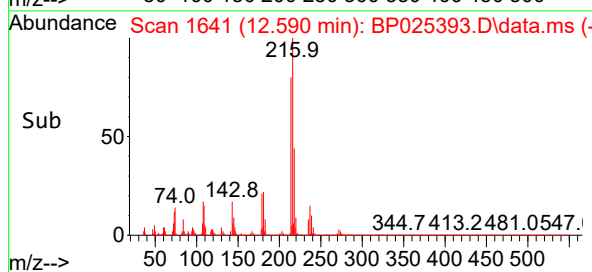
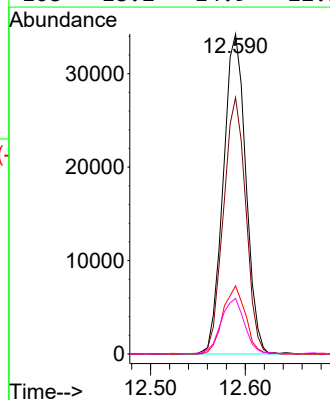
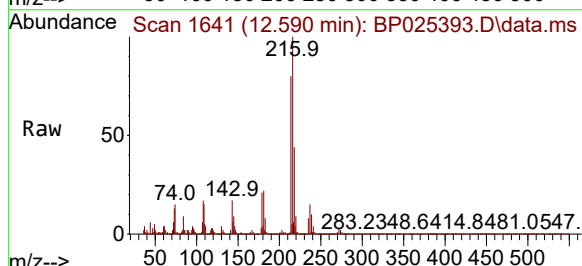
Ion Ratio Lower Upper

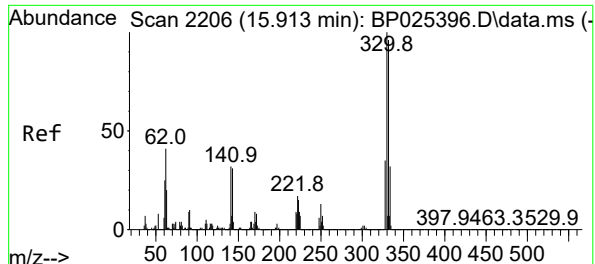
216 100

214 79.1 63.0 94.4

179 21.3 17.1 25.7

108 18.2 14.9 22.3





#42

2,4,6-Tribromophenol

Concen: 9.881 ng

RT: 15.913 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:330 Resp: 5218

Ion Ratio Lower Upper

330 100

332 100.4 77.3 115.9

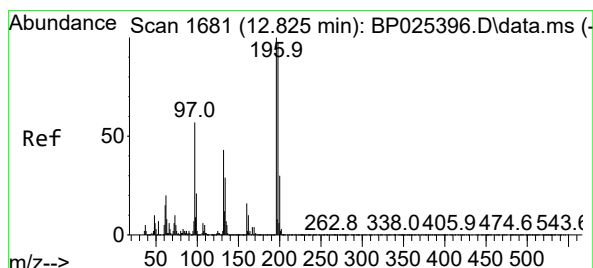
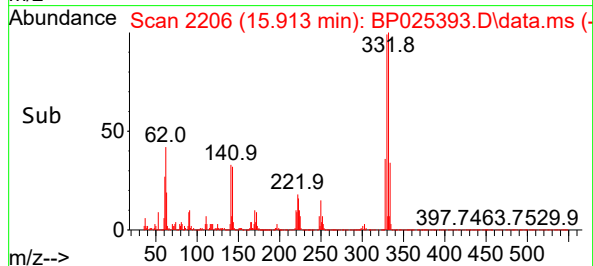
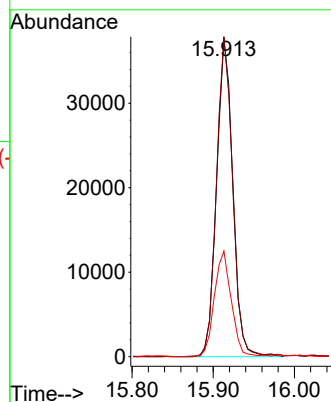
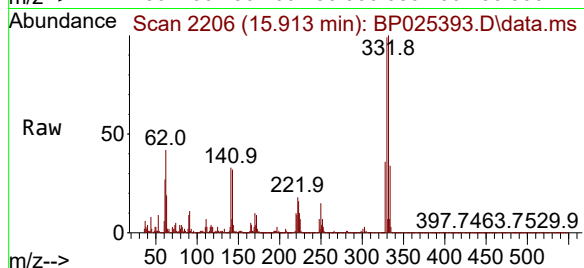
141 34.9 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#43

2,4,6-Trichlorophenol

Concen: 4.718 ng

RT: 12.831 min Scan# 1682

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

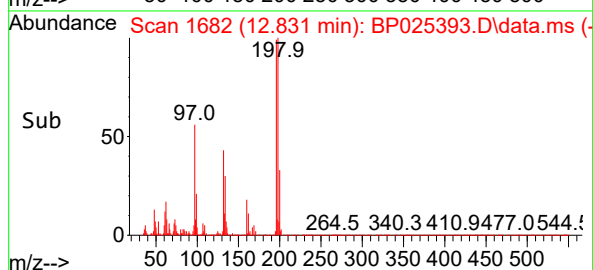
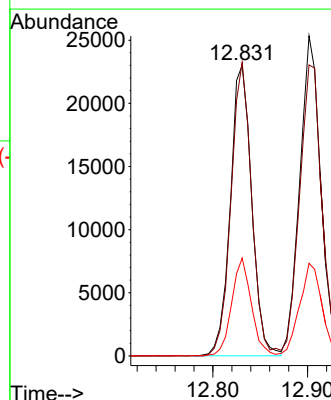
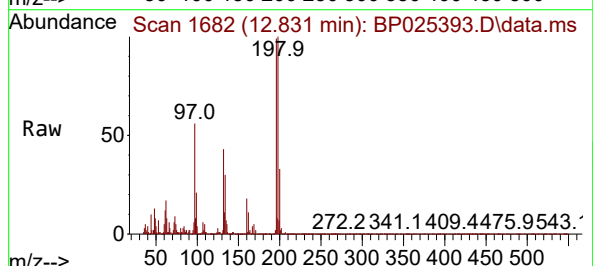
Tgt Ion:196 Resp: 36093

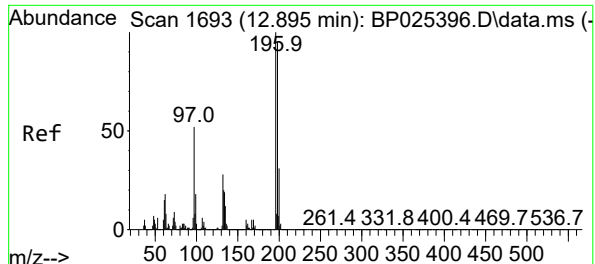
Ion Ratio Lower Upper

196 100

198 101.0 77.2 115.8

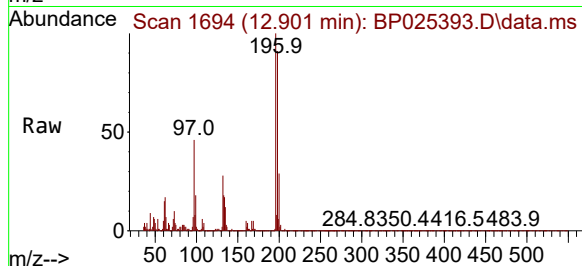
200 33.7 23.9 35.9





#44
2,4,5-Trichlorophenol
Concen: 4.875 ng
RT: 12.901 min Scan# 1693
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

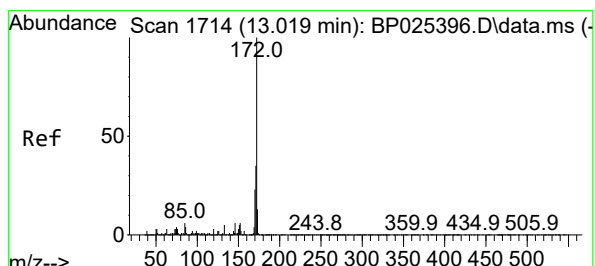
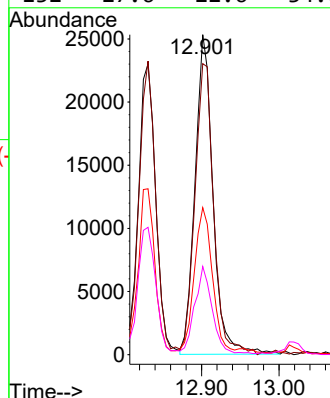
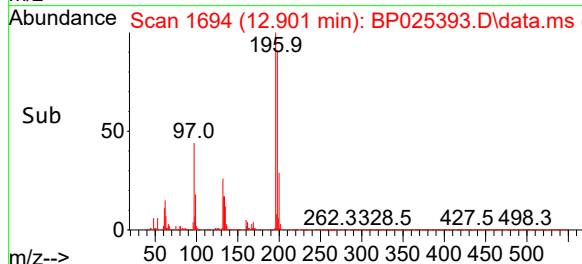
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion:196 Resp: 40875
Ion Ratio Lower Upper
196 100
198 91.0 76.2 114.2
97 46.0 41.2 61.8
132 27.6 22.6 34.0

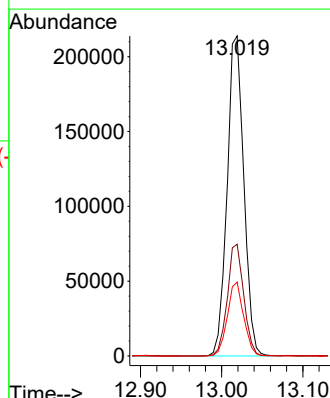
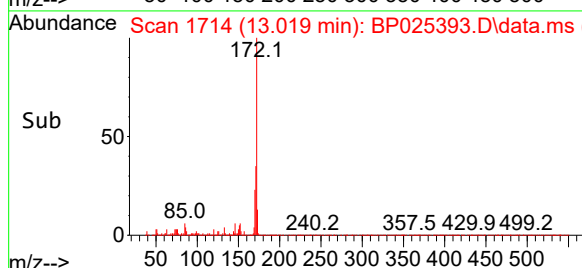
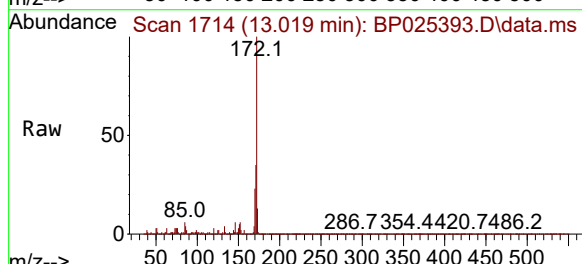
Manual Integrations
APPROVED

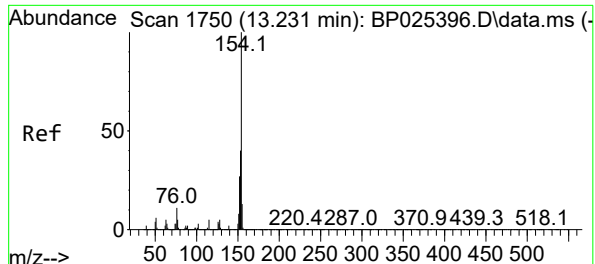
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#45
2-Fluorobiphenyl
Concen: 10.649 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:172 Resp: 305742
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.1 18.6 28.0





#46

1,1'-Biphenyl

Concen: 5.146 ng

RT: 13.237 min Scan# 1750

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

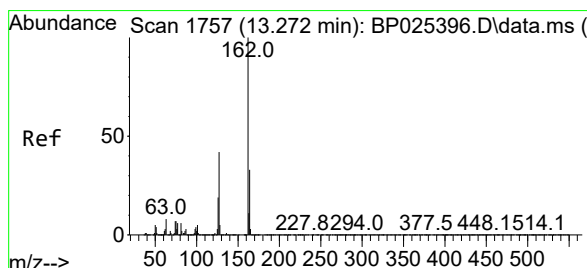
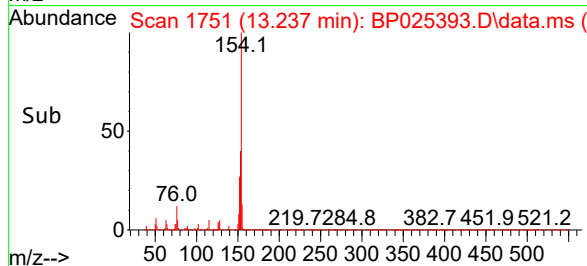
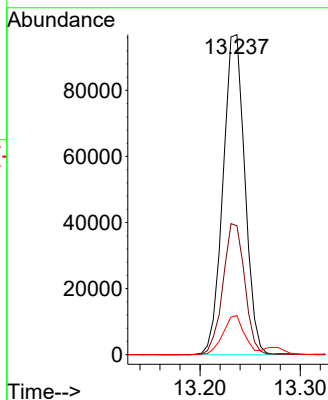
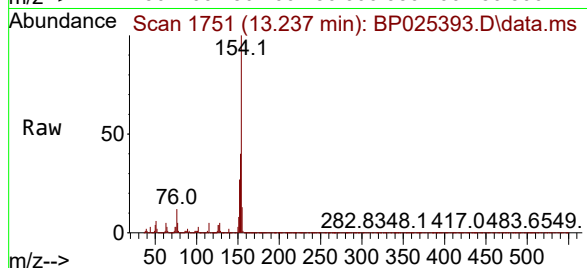
SSTDICC005

Tgt Ion:154	Resp: 14665
Ion Ratio	Lower Upper
154	100
153	40.3 19.5 59.5
76	12.2 0.0 31.1

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#47

2-Chloronaphthalene

Concen: 5.094 ng

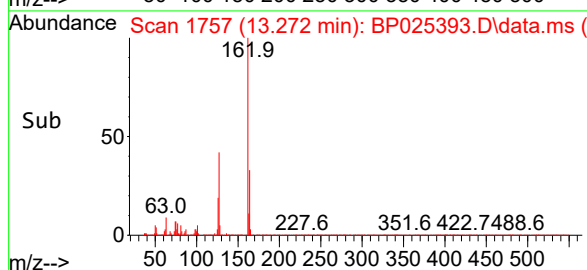
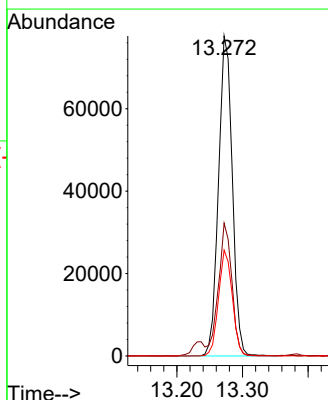
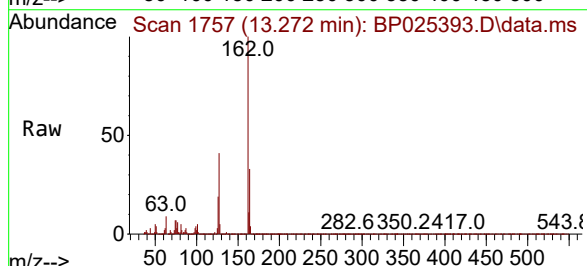
RT: 13.272 min Scan# 1757

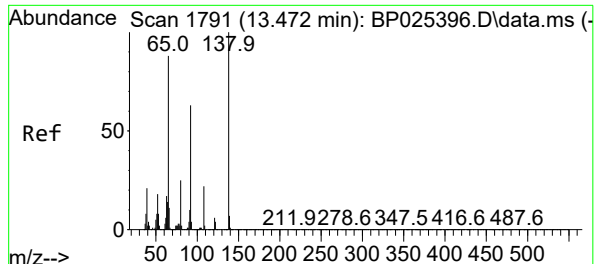
Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:162	Resp: 113015
Ion Ratio	Lower Upper
162	100
127	41.5 33.4 50.2
164	33.0 26.2 39.2





#48

2-Nitroaniline

Concen: 4.568 ng

RT: 13.466 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

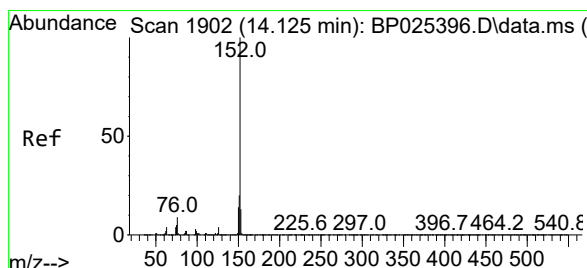
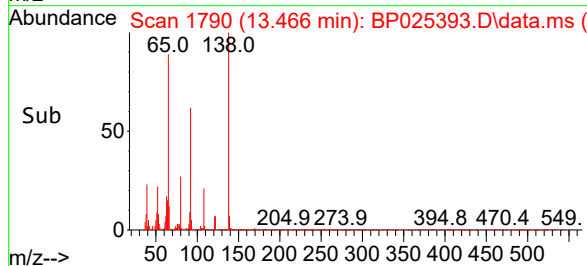
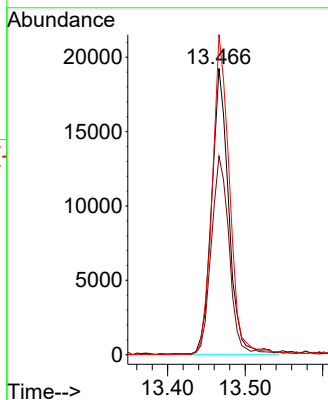
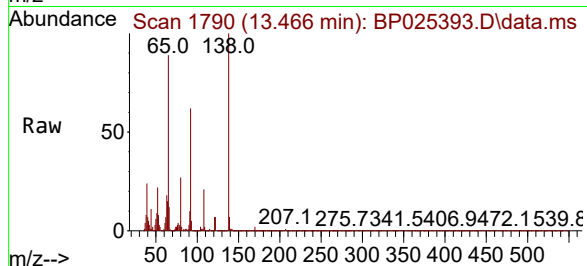
SSTDIC005

Tgt Ion:	65	Resp:	2952
Ion Ratio	Lower	Upper	
65	100		
92	69.3	57.6	86.4
138	111.8	91.0	136.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#49

Acenaphthylene

Concen: 5.095 ng

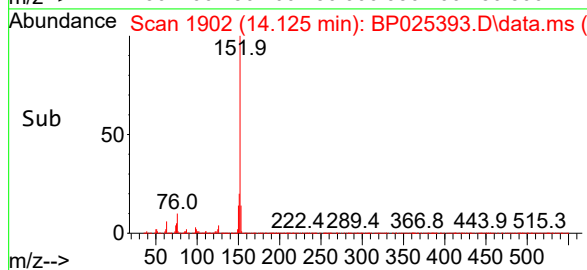
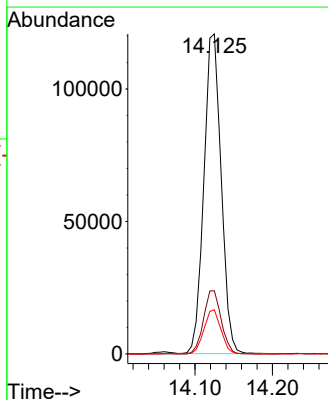
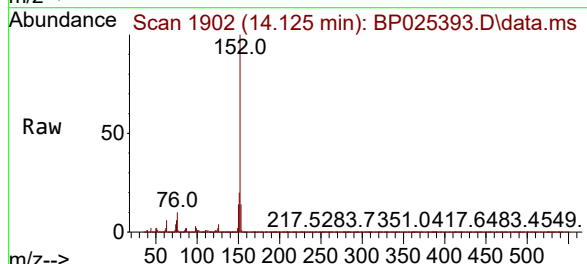
RT: 14.125 min Scan# 1902

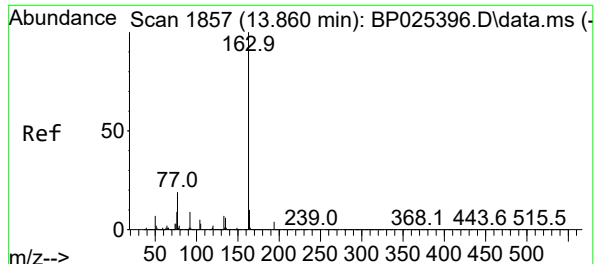
Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:	152	Resp:	187026
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.0	24.0
153	13.8	10.6	15.8





#50

Dimethylphthalate

Concen: 5.355 ng

RT: 13.860 min Scan# 1857

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:163 Resp: 15386

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

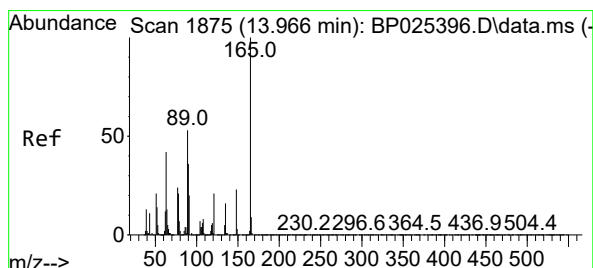
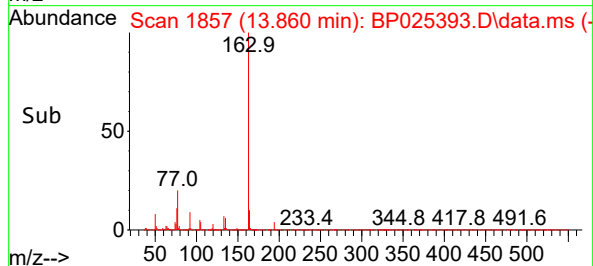
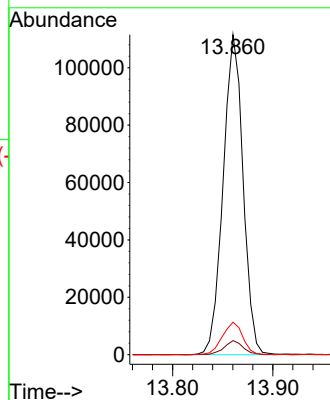
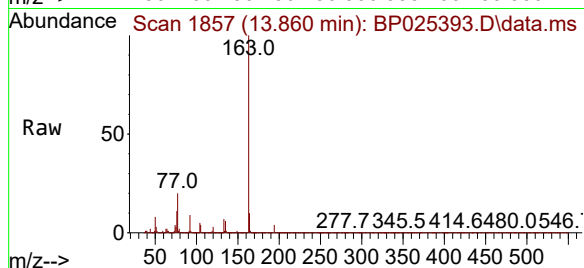
164 10.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#51

2,6-Dinitrotoluene

Concen: 4.803 ng

RT: 13.966 min Scan# 1875

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

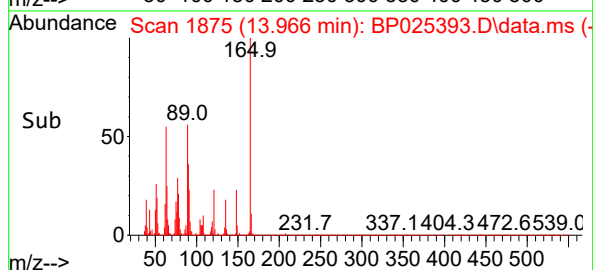
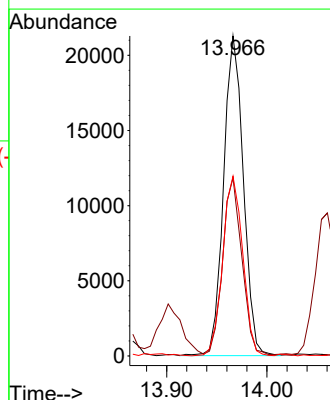
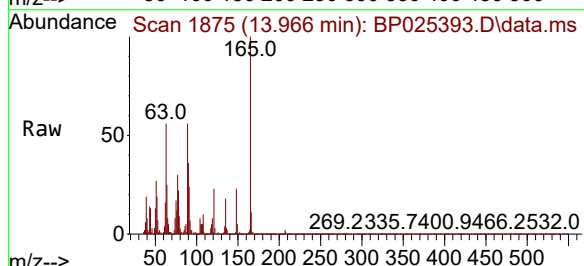
Tgt Ion:165 Resp: 29088

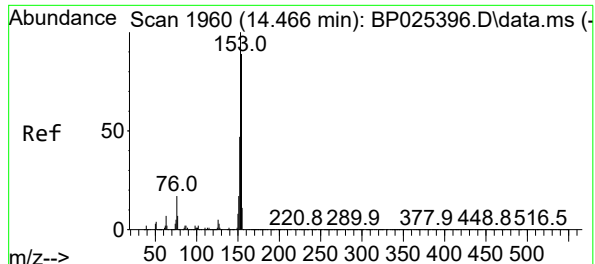
Ion Ratio Lower Upper

165 100

63 55.7 40.9 61.3

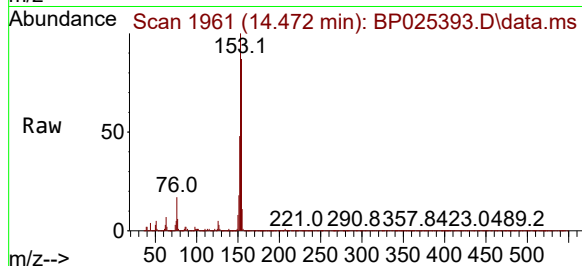
89 56.2 42.1 63.1





#52
Acenaphthene
Concen: 5.232 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

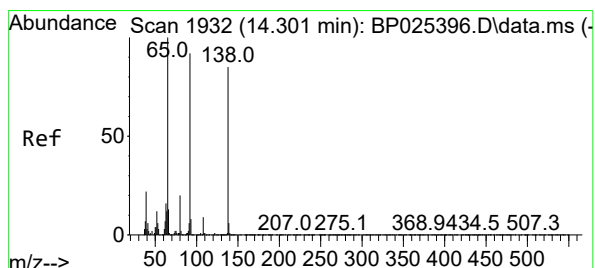
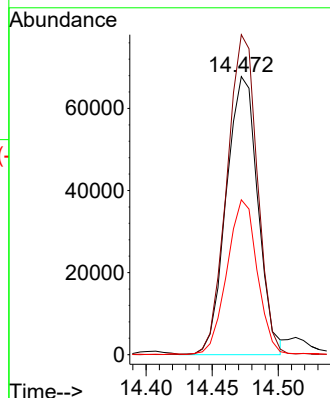
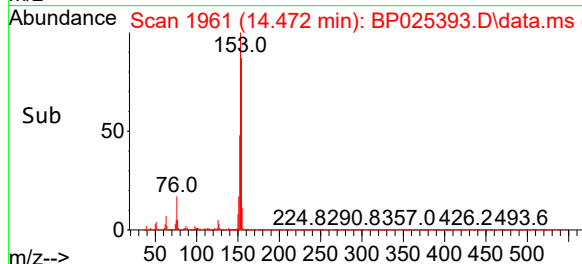
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion:154 Resp: 112730
Ion Ratio Lower Upper
154 100
153 115.1 90.2 135.2
152 55.7 42.1 63.1

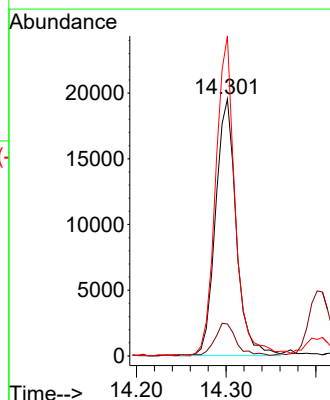
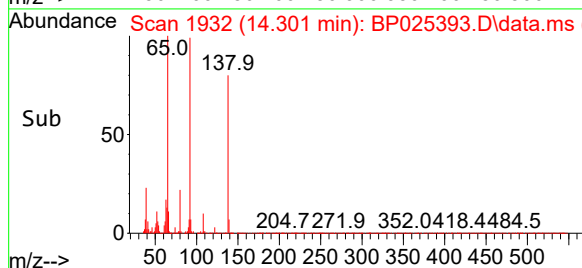
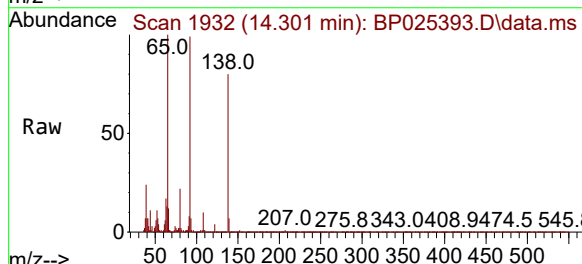
Manual Integrations
APPROVED

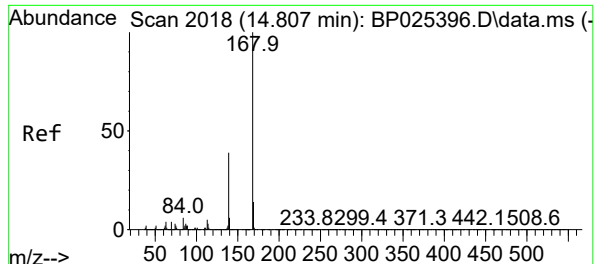
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#53
3-Nitroaniline
Concen: 4.583 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

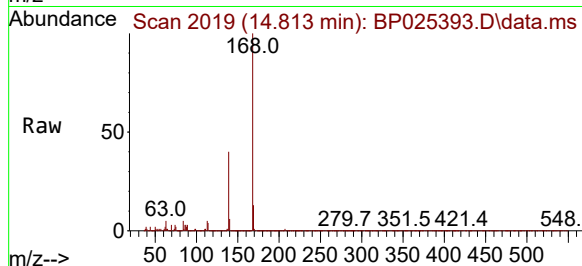
Tgt Ion:138 Resp: 31224
Ion Ratio Lower Upper
138 100
108 12.5 8.3 12.5
92 124.5 86.2 129.2





#55
Dibenzofuran
Concen: 5.240 ng
RT: 14.813 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

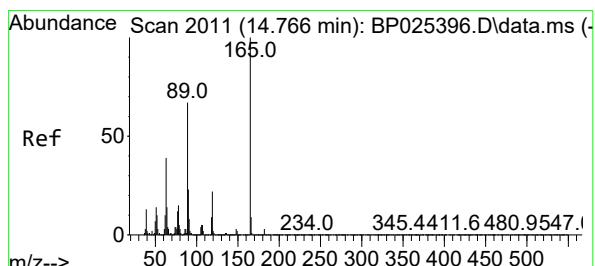
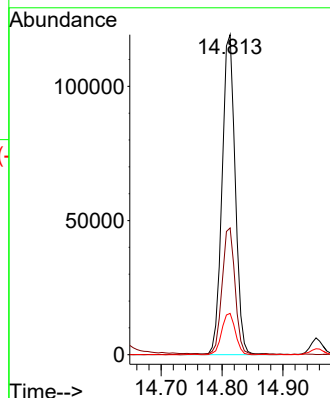
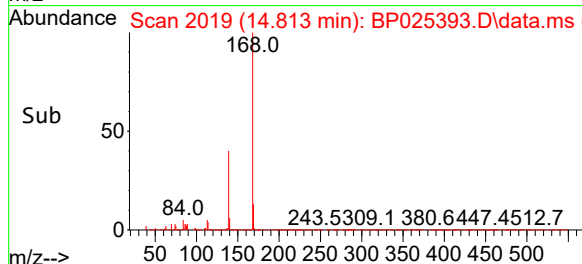
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



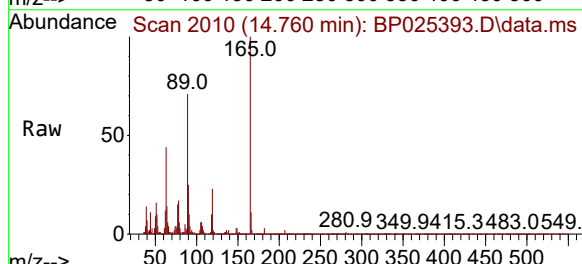
Tgt Ion:168 Resp: 178494
Ion Ratio Lower Upper
168 100
139 39.6 31.5 47.3
169 12.9 10.9 16.3

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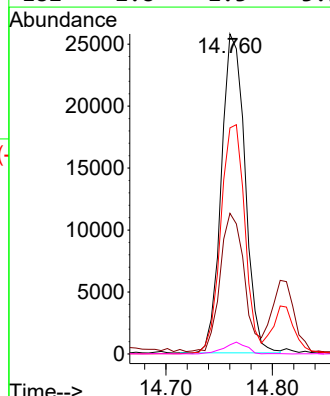
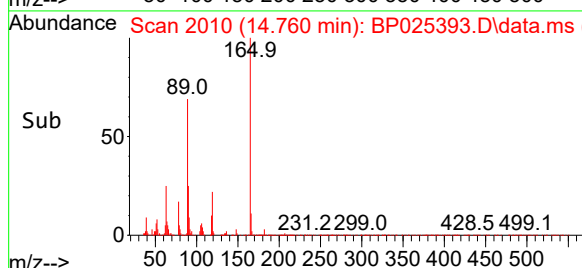
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

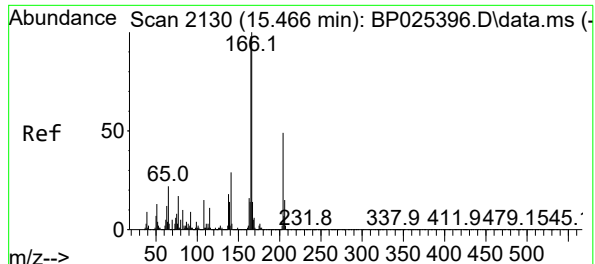


#57
2,4-Dinitrotoluene
Concen: 4.590 ng
RT: 14.760 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



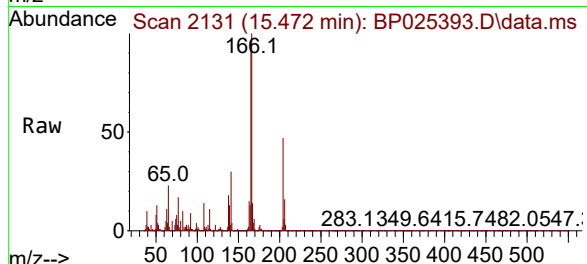
Tgt Ion:165 Resp: 39658
Ion Ratio Lower Upper
165 100
63 43.9 31.4 47.2
89 70.6 53.3 79.9
182 2.8 2.3 3.5





#58
Fluorene
Concen: 5.497 ng
RT: 15.472 min Scan# 2130
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

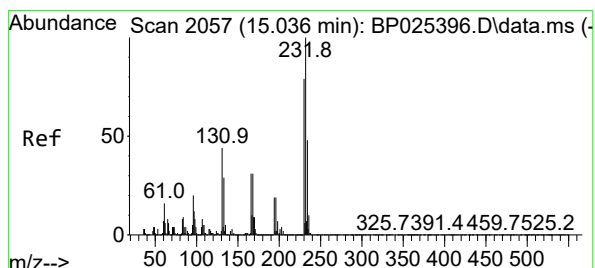
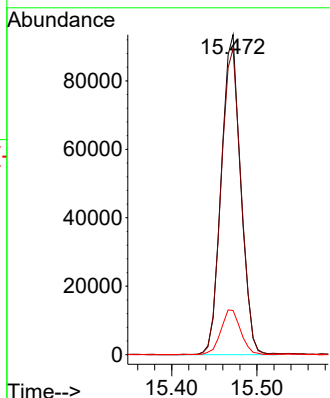
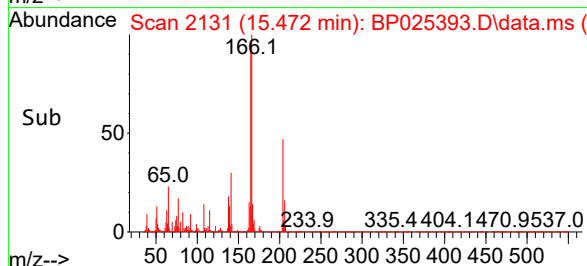
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



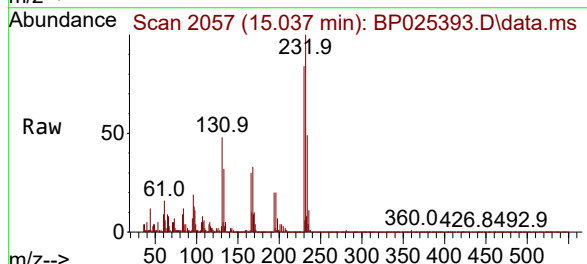
Tgt Ion:166 Resp: 147760
Ion Ratio Lower Upper
166 100
165 95.7 78.8 118.2
167 13.8 11.0 16.4

Manual Integrations
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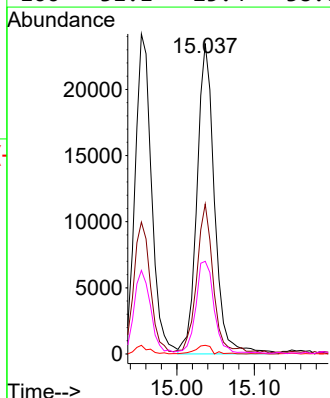
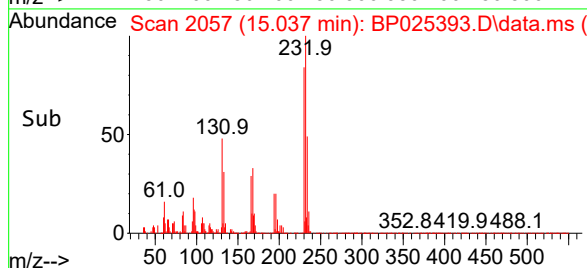
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

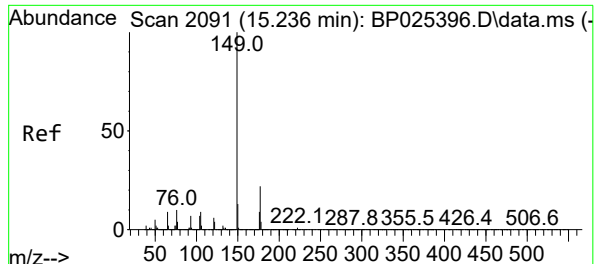


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.968 ng
RT: 15.037 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion:232 Resp: 36779
Ion Ratio Lower Upper
232 100
131 46.0 37.0 55.6
130 2.7 1.9 2.9
166 31.1 25.4 38.0





#60

Diethylphthalate

Concen: 5.426 ng

RT: 15.237 min Scan# 2091

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDIC005

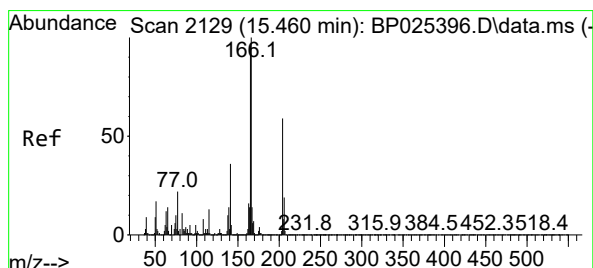
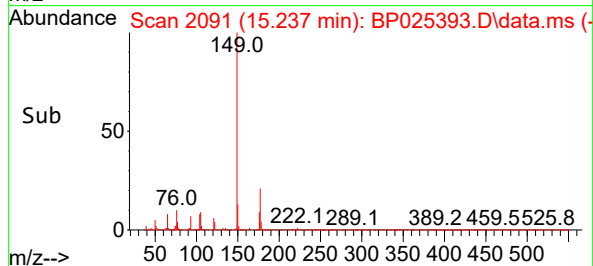
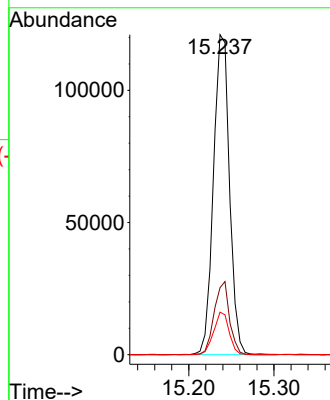
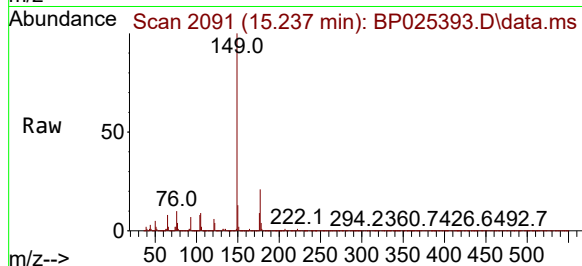
Tgt Ion:	149	Resp:	158420
Ion Ratio	Lower	Upper	
149	100		
177	20.9	17.3	25.9
150	13.3	10.3	15.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#61

4-Chlorophenyl-phenylether

Concen: 5.583 ng

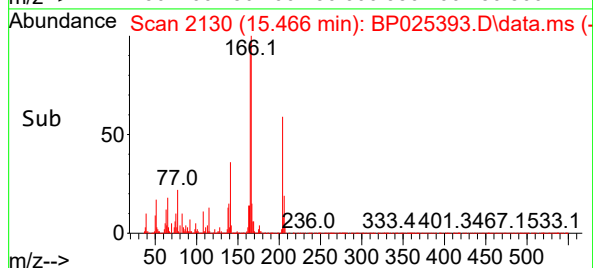
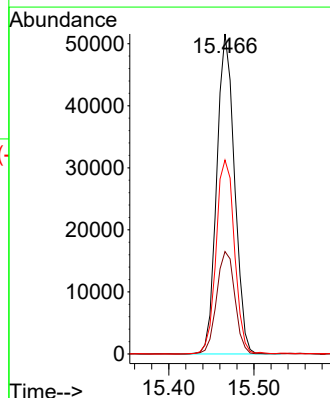
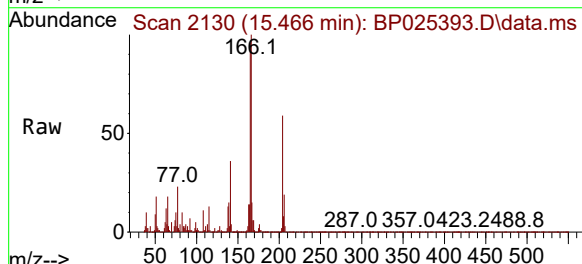
RT: 15.466 min Scan# 2130

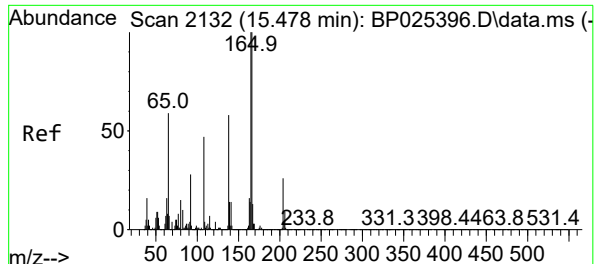
Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

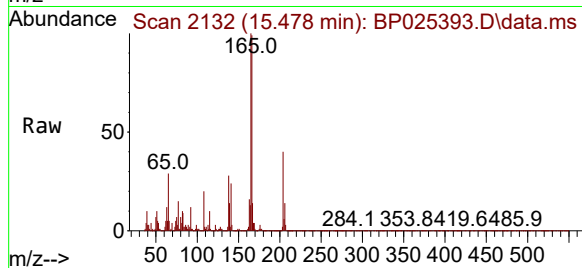
Tgt Ion:	204	Resp:	74636
Ion Ratio	Lower	Upper	
204	100		
206	32.0	25.8	38.8
141	60.6	49.4	74.2





#62
4-Nitroaniline
Concen: 4.791 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

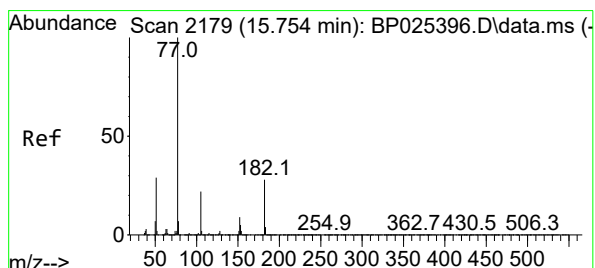
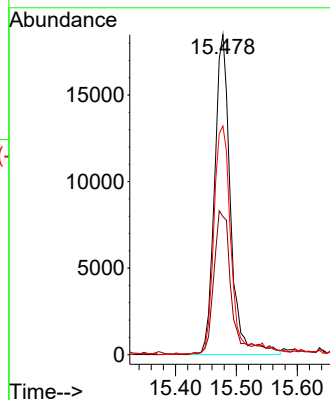
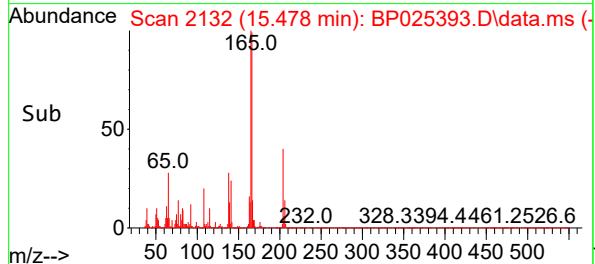
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion:138 Resp: 33460
Ion Ratio Lower Upper
138 100
92 43.2 29.1 69.1
108 71.5 61.5 101.5

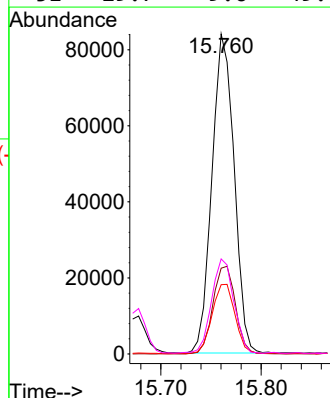
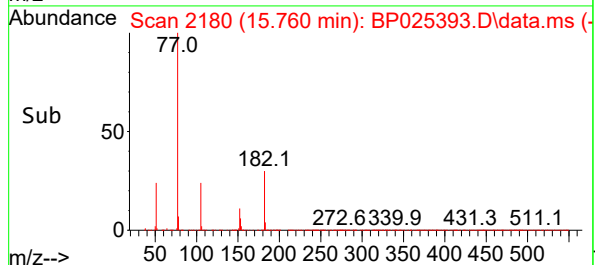
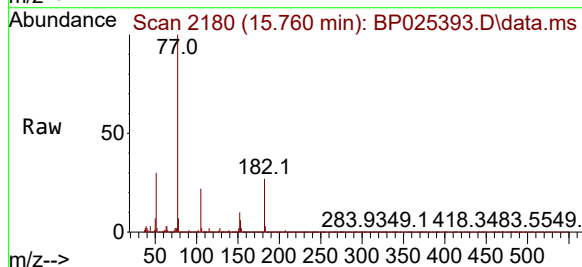
Manual Integrations
APPROVED

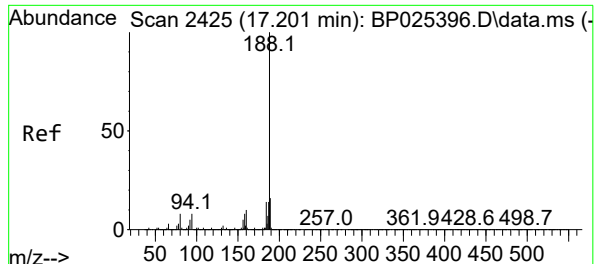
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#63
Azobenzene
Concen: 5.159 ng
RT: 15.760 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 77 Resp: 128978
Ion Ratio Lower Upper
77 100
182 26.8 7.5 47.5
105 21.6 2.1 42.1
51 29.7 9.6 49.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

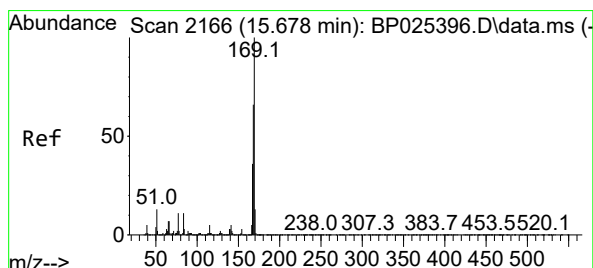
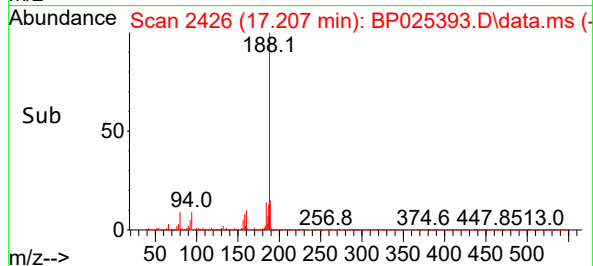
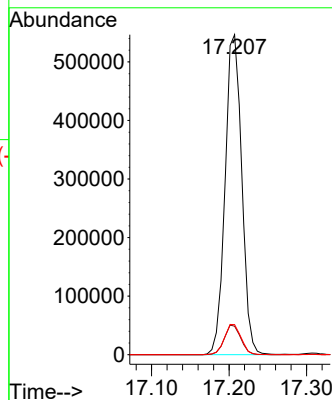
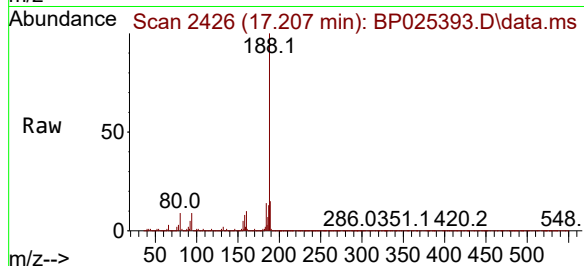
ClientSampleId :

SSTDIC005

Tgt Ion:188 Resp: 81633
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.4 6.7 10.1

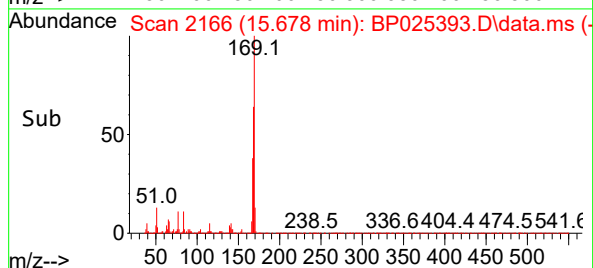
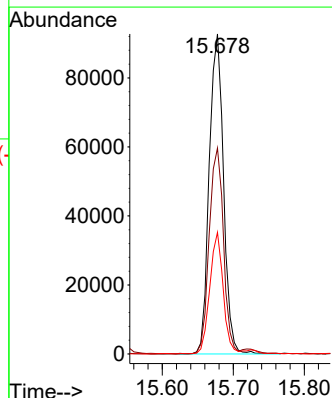
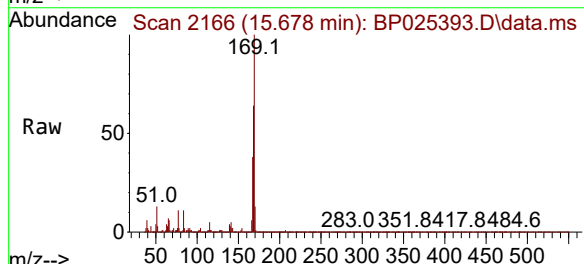
Manual Integrations
APPROVED

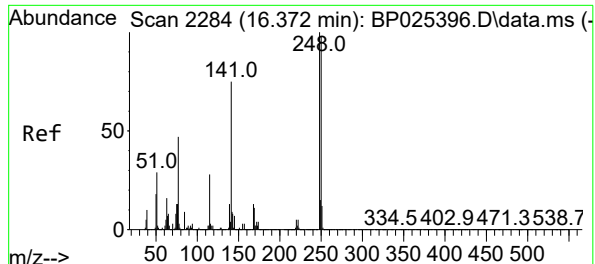
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 5.214 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

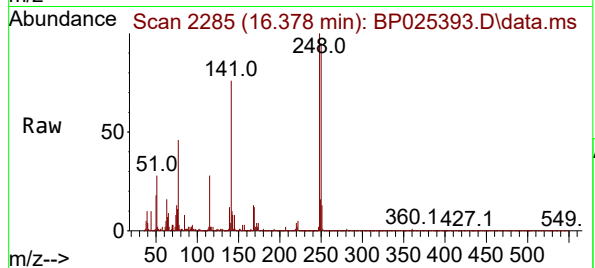
Tgt Ion:169 Resp: 129805
Ion Ratio Lower Upper
169 100
168 64.3 53.2 79.8
167 38.0 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 5.299 ng
RT: 16.378 min Scan# 210
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

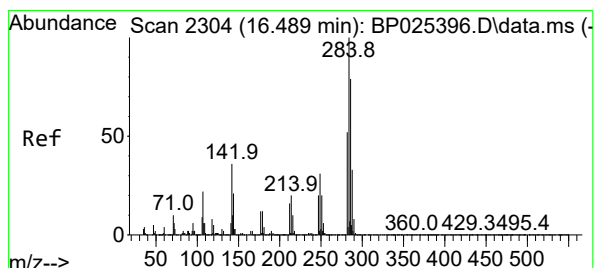
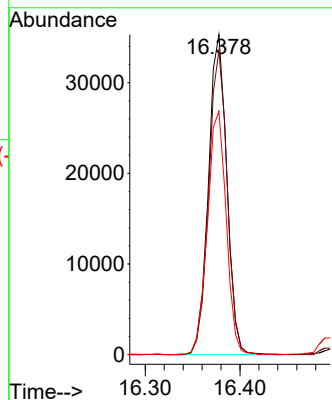
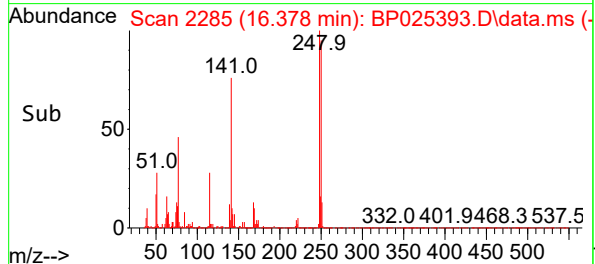
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



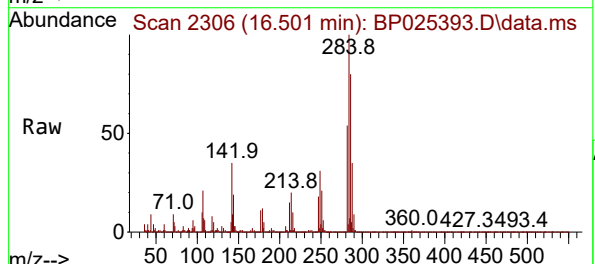
Tgt Ion: 248 Resp: 47579
Ion Ratio Lower Upper
248 100
250 95.1 78.2 117.2
141 76.0 59.6 89.4

Manual Integrations
APPROVED

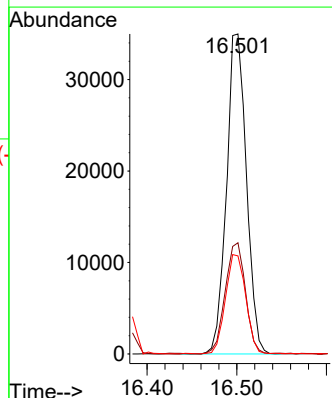
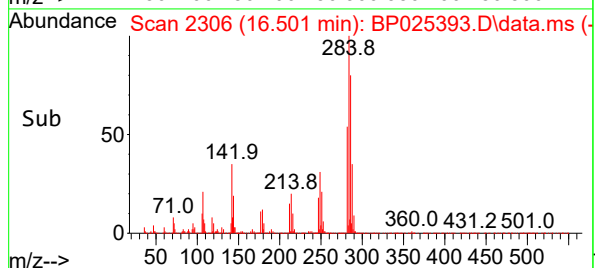
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

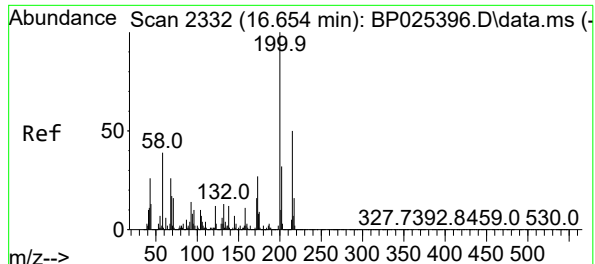


#68
Hexachlorobenzene
Concen: 5.183 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion: 284 Resp: 53940
Ion Ratio Lower Upper
284 100
142 34.7 29.1 43.7
249 30.6 25.0 37.4





#69

Atrazine

Concen: 5.015 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:200 Resp: 46750

Ion Ratio Lower Upper

200 100

173 27.3 6.7 46.7

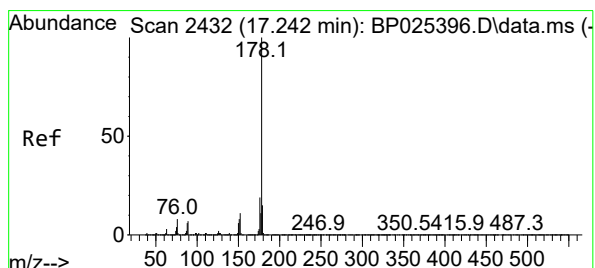
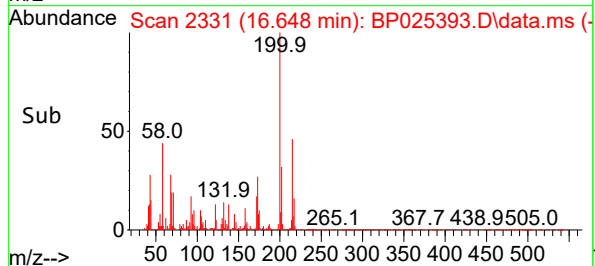
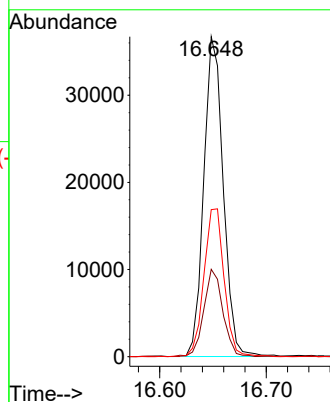
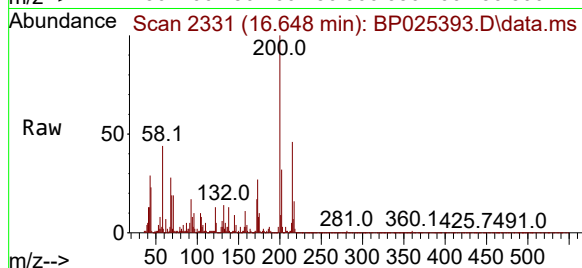
215 45.9 29.7 69.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#71

Phenanthrene

Concen: 5.287 ng

RT: 17.248 min Scan# 2433

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

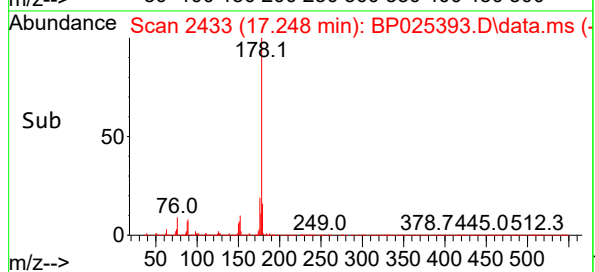
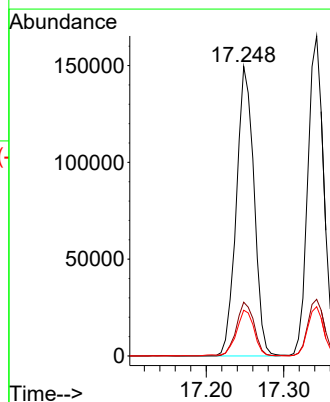
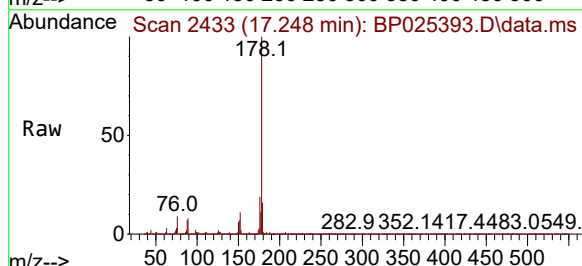
Tgt Ion:178 Resp: 237107

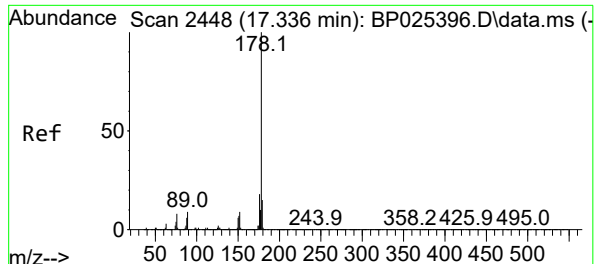
Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

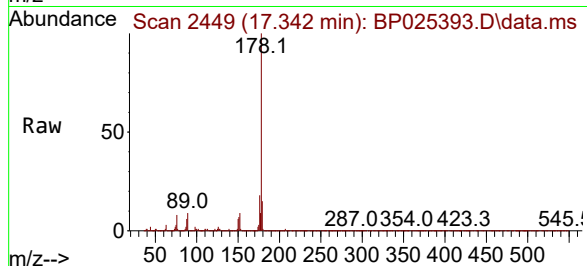
179 15.8 12.2 18.4





#72
Anthracene
Concen: 5.174 ng
RT: 17.342 min Scan# 2448
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

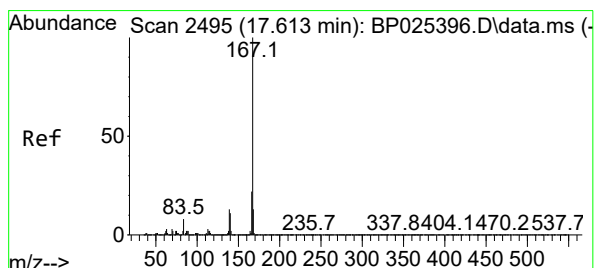
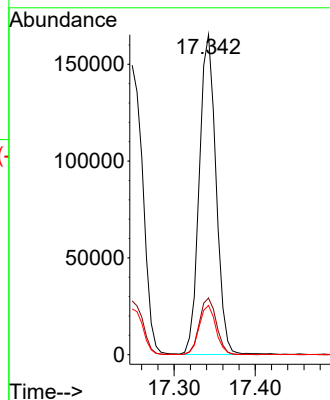
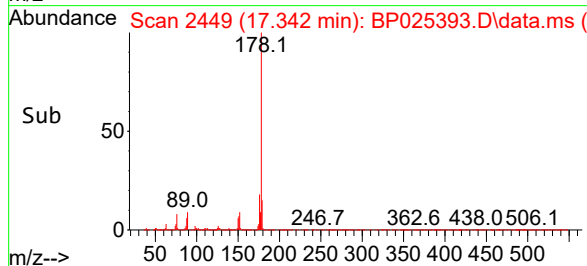
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



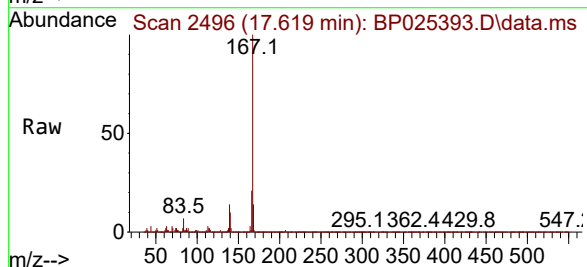
Tgt Ion:178 Resp: 236938
Ion Ratio Lower Upper
178 100
176 17.7 14.7 22.1
179 15.4 12.2 18.2

Manual Integrations
APPROVED

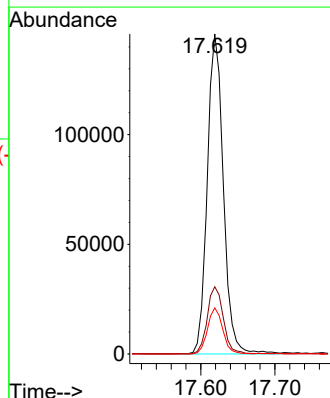
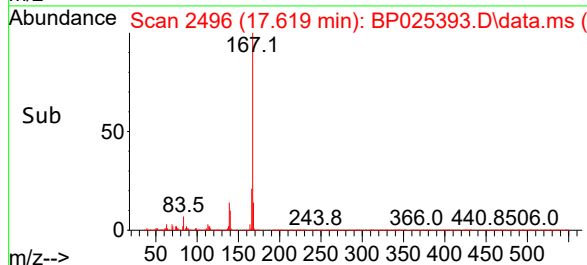
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

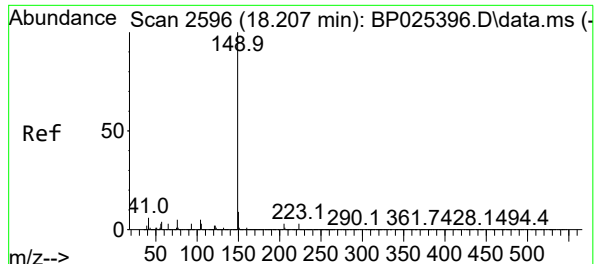


#73
Carbazole
Concen: 5.103 ng
RT: 17.619 min Scan# 2496
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



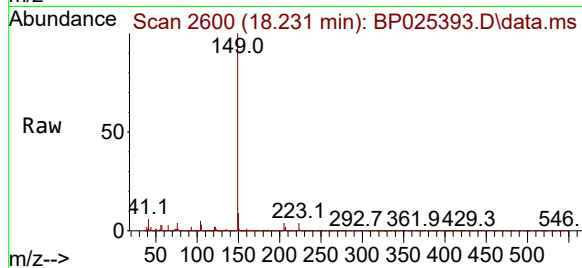
Tgt Ion:167 Resp: 220112
Ion Ratio Lower Upper
167 100
166 21.0 17.5 26.3
139 14.4 10.6 16.0





#74
Di-n-butylphthalate
Concen: 5.172 ng
RT: 18.231 min Scan# 20
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

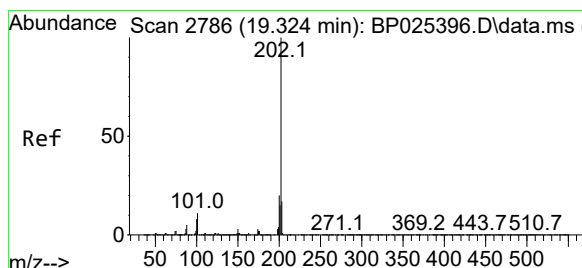
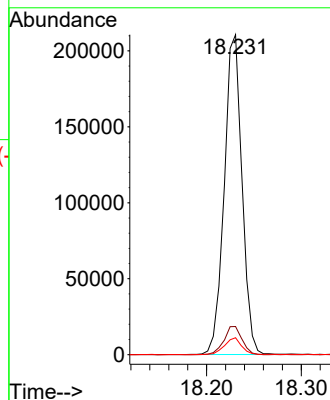
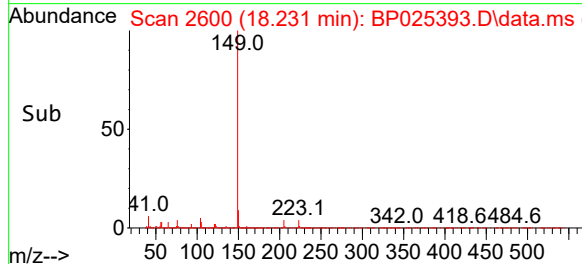
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



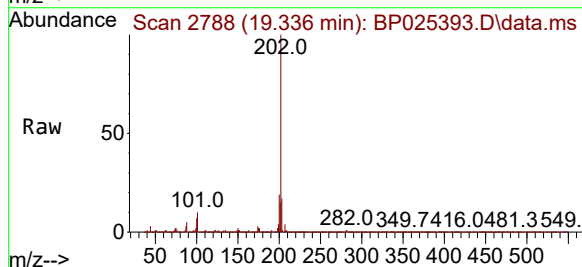
Tgt Ion:149 Resp: 27446
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.0
104 5.3 4.2 6.2

Manual Integrations
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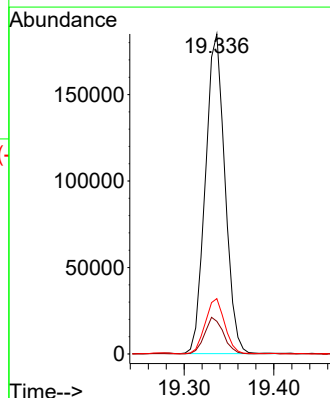
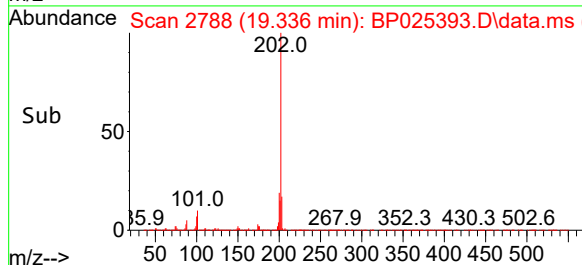
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

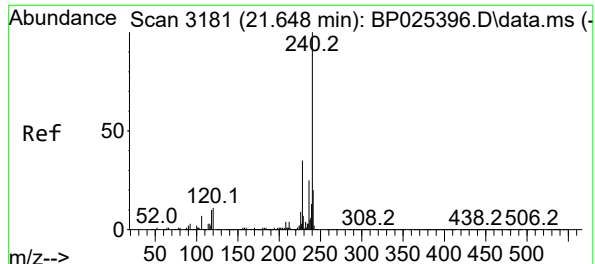


#75
Fluoranthene
Concen: 5.225 ng
RT: 19.336 min Scan# 2788
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion:202 Resp: 279497
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.1
203 17.3 0.0 37.3





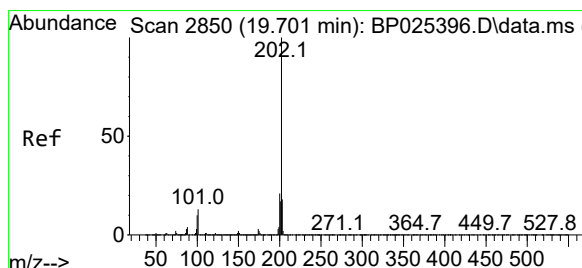
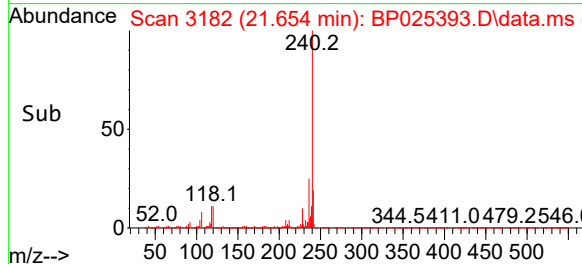
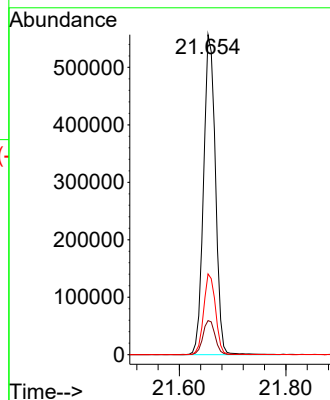
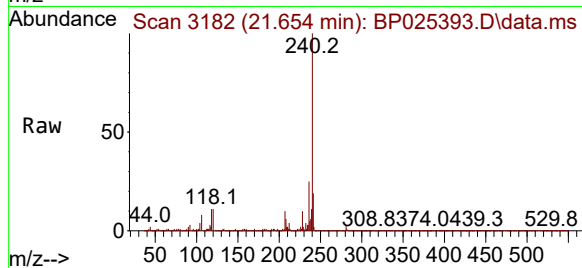
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3181
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 85816
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 25.2 19.8 29.8

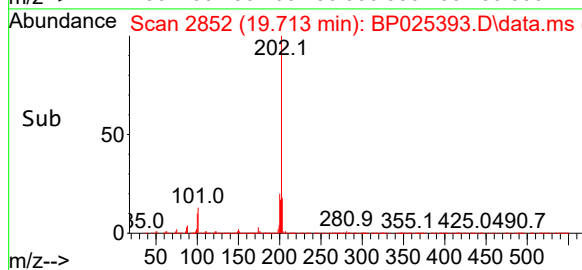
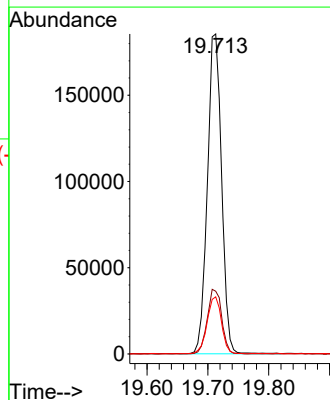
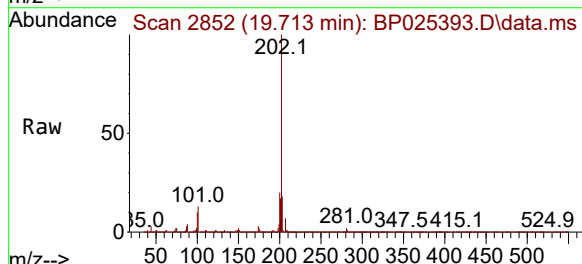
Manual Integrations
APPROVED

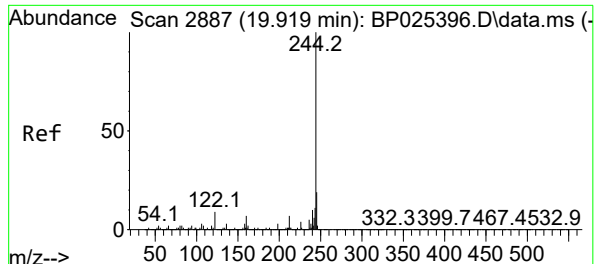
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#78
Pyrene
Concen: 5.377 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

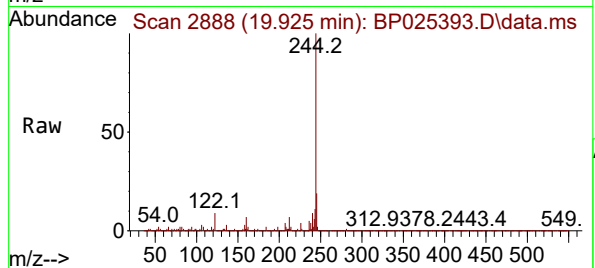
Tgt Ion:202 Resp: 299922
Ion Ratio Lower Upper
202 100
200 19.6 16.9 25.3
203 17.8 14.2 21.2





#79
Terphenyl-d14
Concen: 11.428 ng
RT: 19.925 min Scan# 2888
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

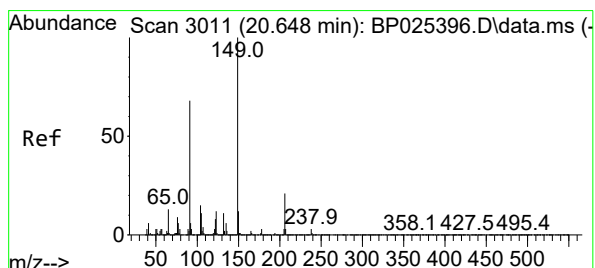
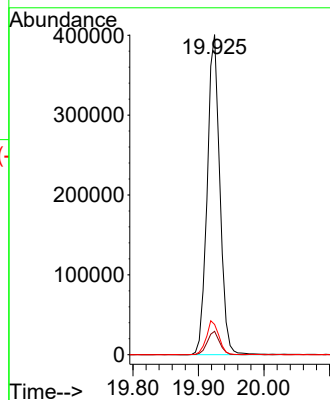
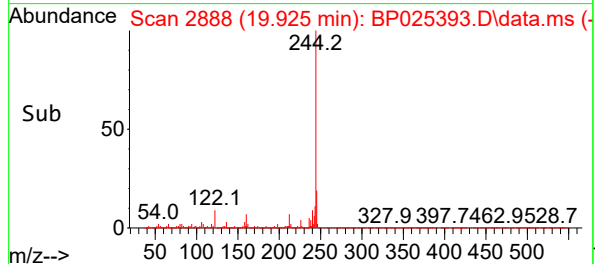
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



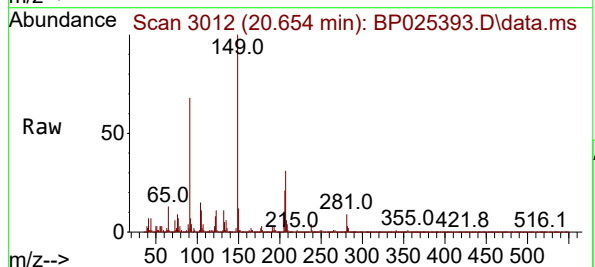
Tgt Ion:244 Resp: 536049
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 9.5 7.4 11.2

Manual Integrations
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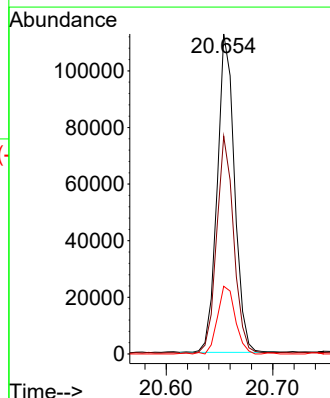
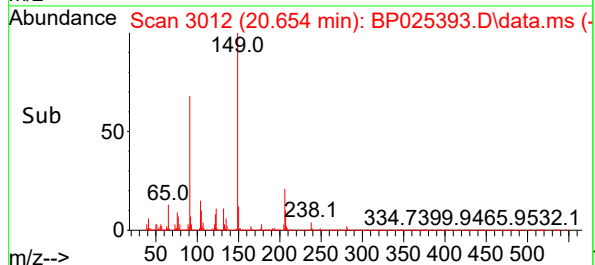
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

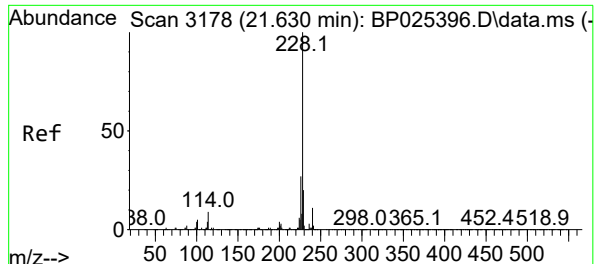


#80
Butylbenzylphthalate
Concen: 4.997 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15



Tgt Ion:149 Resp: 126321
Ion Ratio Lower Upper
149 100
91 68.0 54.2 81.2
206 21.1 16.6 24.8





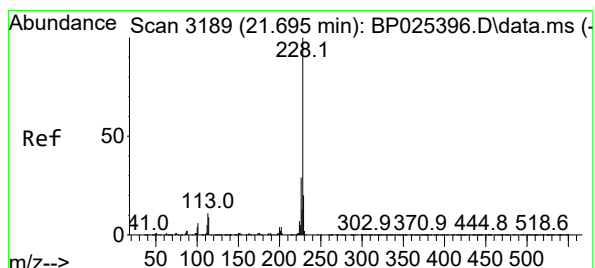
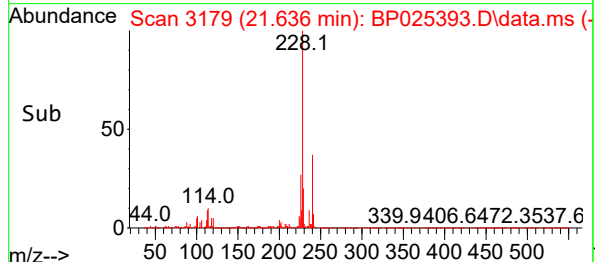
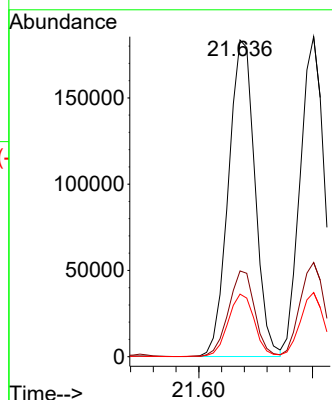
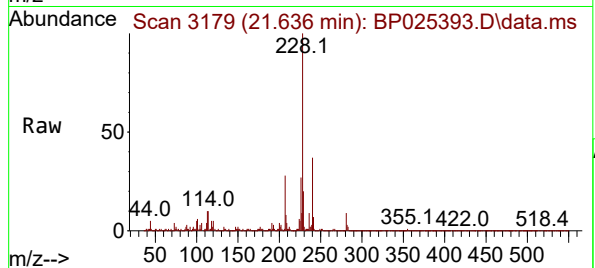
#81
Benzo(a)anthracene
Concen: 5.245 ng
RT: 21.636 min Scan# 3178
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 29684
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.8 15.6 23.4

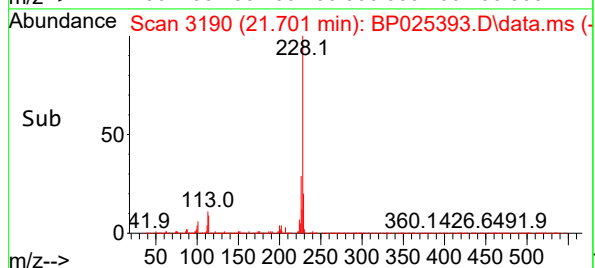
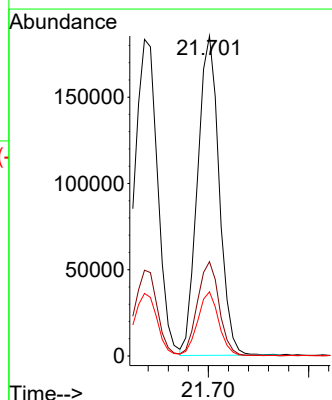
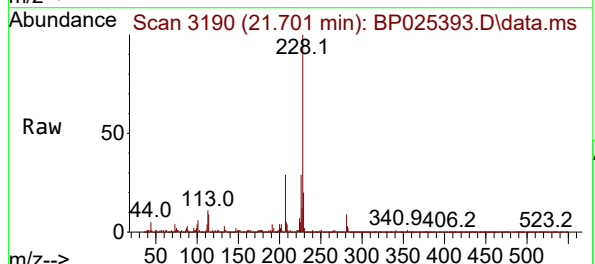
Manual Integrations
APPROVED

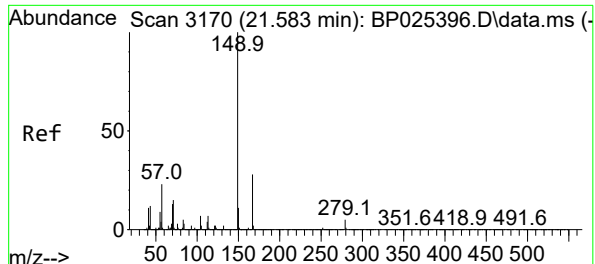
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#83
Chrysene
Concen: 5.229 ng
RT: 21.701 min Scan# 3190
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

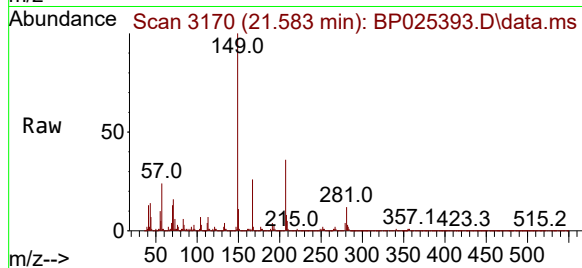
Tgt Ion:228 Resp: 277175
Ion Ratio Lower Upper
228 100
226 29.5 23.2 34.8
229 20.0 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.228 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

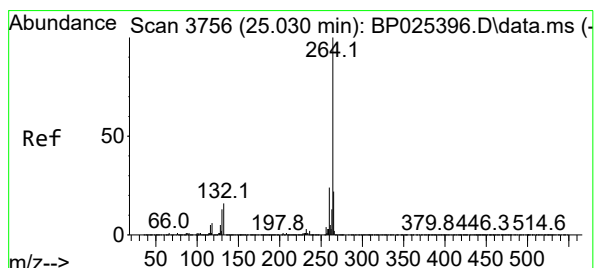
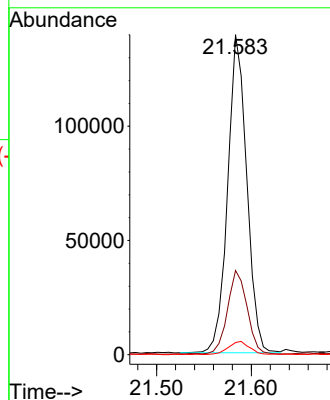
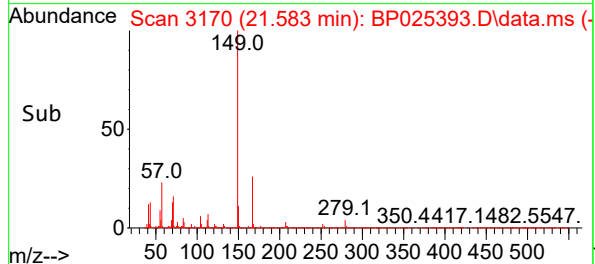
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion: 149 Resp: 19454
Ion Ratio Lower Upper
149 100
167 26.3 22.1 33.1
279 3.8 3.8 5.6

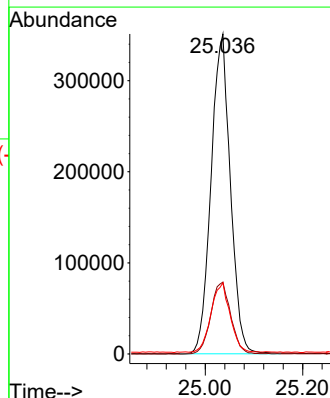
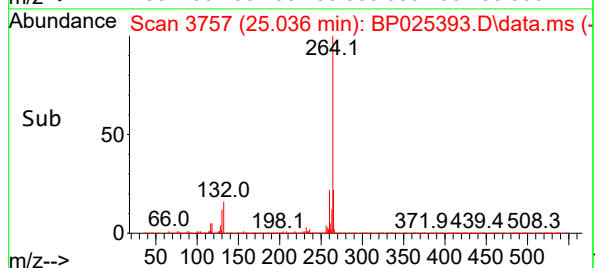
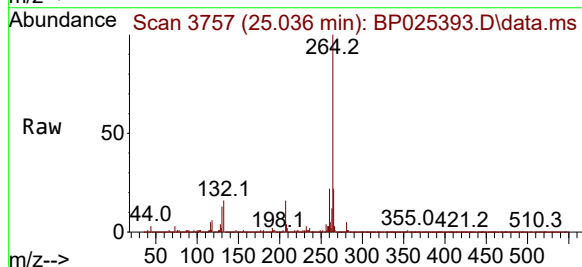
Manual Integrations
APPROVED

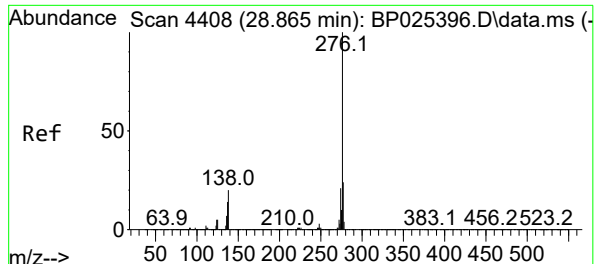
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 264 Resp: 963881
Ion Ratio Lower Upper
264 100
260 22.5 19.3 28.9
265 22.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.956 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

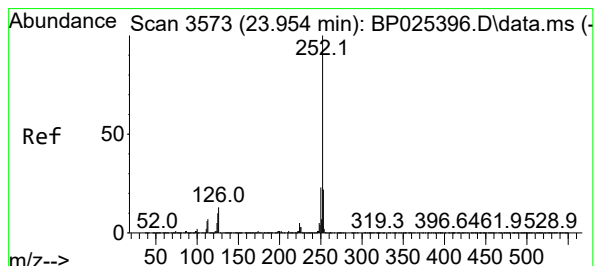
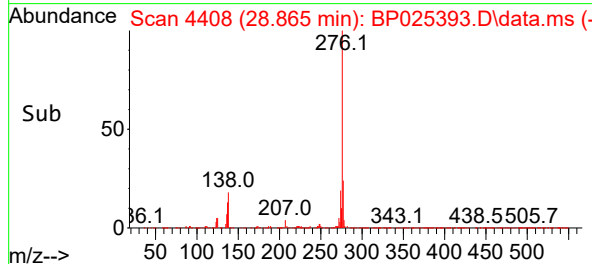
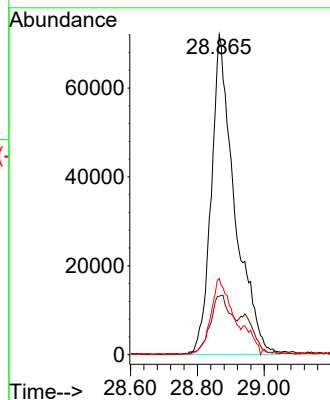
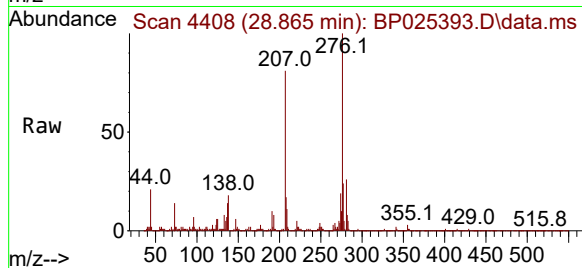
Tgt Ion:	276	Resp:	350414
Ion Ratio	Lower	Upper	
276	100		
138	17.1	12.9	19.3
277	20.8	17.0	25.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 5.099 ng

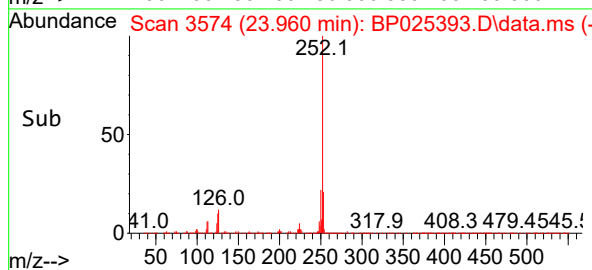
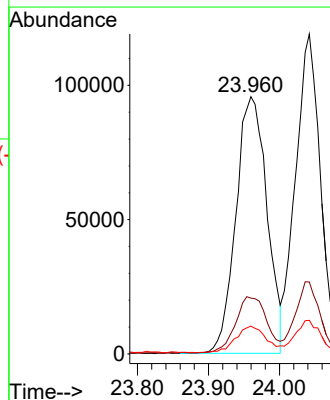
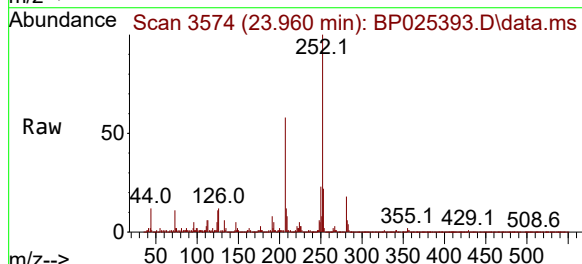
RT: 23.960 min Scan# 3574

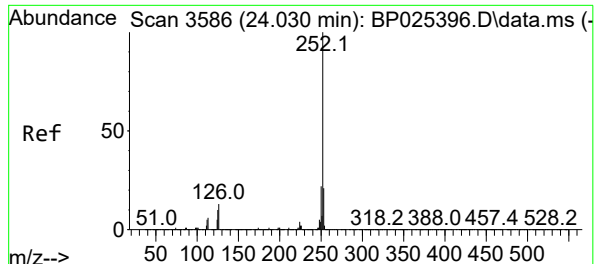
Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:	252	Resp:	289797
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.7	26.5
125	10.8	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 5.091 ng

RT: 24.042 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

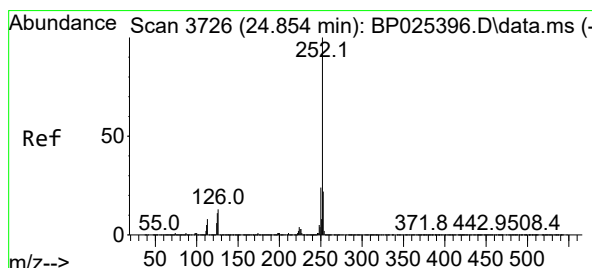
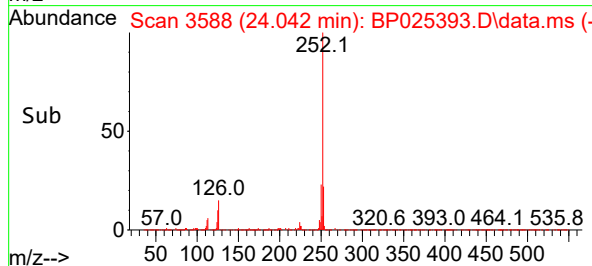
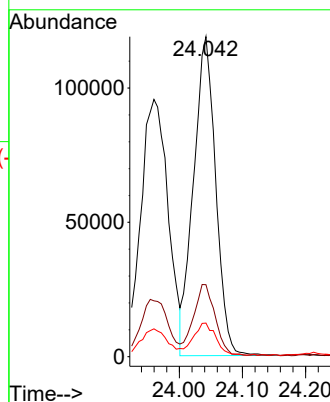
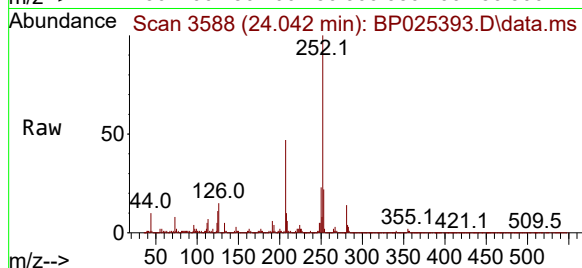
SSTDICC005

Tgt Ion:252	Resp: 28955
Ion Ratio	Lower Upper
252 100	
253 22.5	17.1 25.7
125 10.5	7.8 11.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 4.960 ng

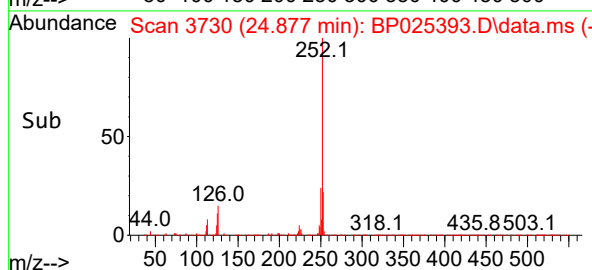
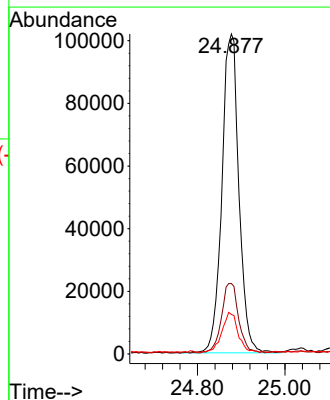
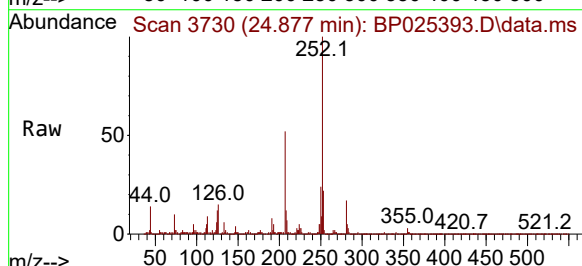
RT: 24.877 min Scan# 3730

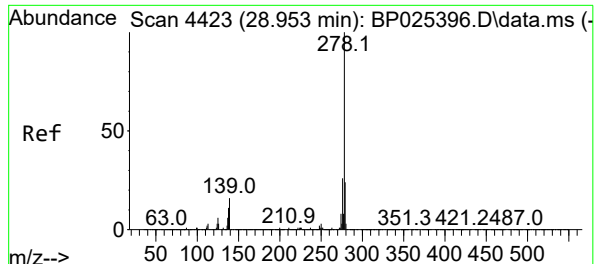
Delta R.T. 0.024 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:252	Resp: 274440
Ion Ratio	Lower Upper
252 100	
253 22.0	17.5 26.3
125 12.4	8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 4.924 ng

RT: 28.942 min Scan# 4423

Delta R.T. -0.012 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:278 Resp: 284440

Ion Ratio Lower Upper

278 100

139 15.9 13.0 19.4

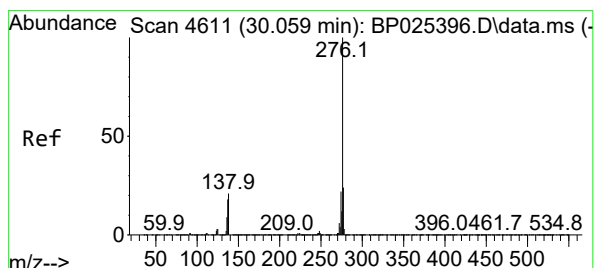
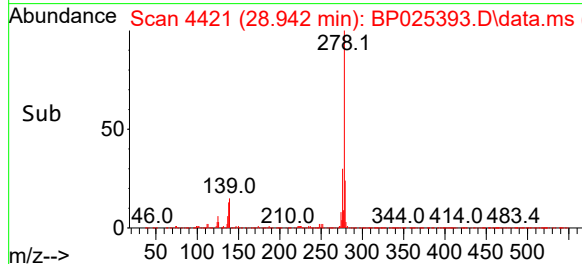
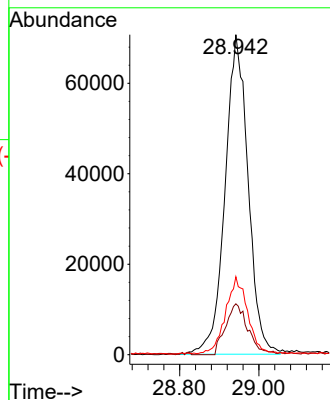
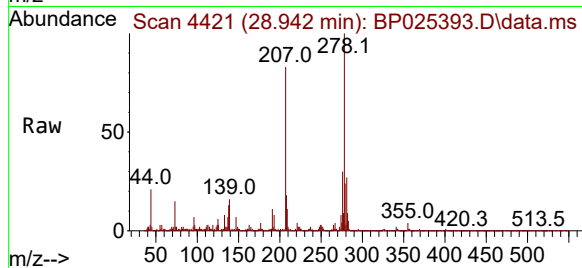
279 24.3 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#92

Benzo(g,h,i)perylene

Concen: 4.931 ng

RT: 30.036 min Scan# 4607

Delta R.T. -0.023 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

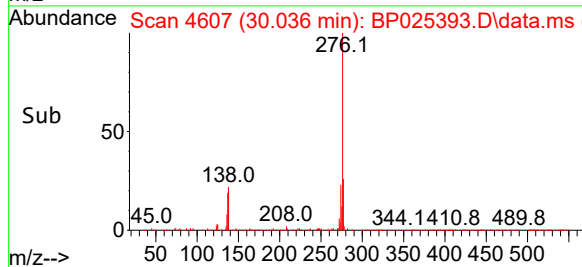
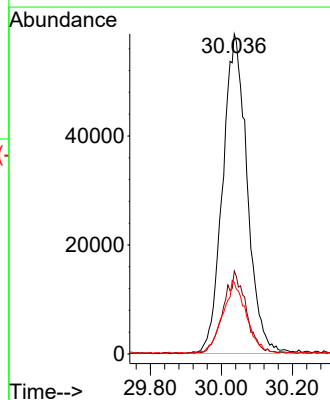
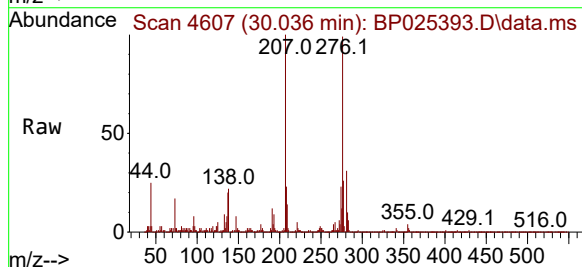
Tgt Ion:276 Resp: 279987

Ion Ratio Lower Upper

276 100

277 26.0 19.4 29.0

138 22.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Aug 14 17:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137852	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	563995	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	383199	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	780940	20.000	ng	0.00
76) Chrysene-d12	21.648	240	860386	20.000	ng	0.00
86) Perylene-d12	25.036	264	980670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	162289	19.551	ng	0.00
7) Phenol-d6	6.966	99	202204	19.000	ng	0.00
23) Nitrobenzene-d5	8.931	82	212236	19.036	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	99083	19.210	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	568359	20.271	ng	0.00
79) Terphenyl-d14	19.924	244	946422	20.125	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	31948	9.826	ng	98
3) Pyridine	3.731	79	86156	9.681	ng	100
4) n-Nitrosodimethylamine	3.637	42	35519	9.681	ng	# 99
6) Aniline	7.125	93	135217	9.430	ng	99
8) 2-Chlorophenol	7.366	128	88413	9.439	ng	98
9) Benzaldehyde	6.943	77	68064m	9.129	ng	
10) Phenol	6.996	94	105394	9.438	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	81541	9.368	ng	98
12) 1,3-Dichlorobenzene	7.684	146	98782	9.564	ng	98
13) 1,4-Dichlorobenzene	7.825	146	102729	9.731	ng	98
14) 1,2-Dichlorobenzene	8.143	146	98589	9.647	ng	98
15) Benzyl Alcohol	8.025	79	78411	9.273	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	109744	9.412	ng	99
17) 2-Methylphenol	8.231	107	70991	9.153	ng	98
18) Hexachloroethane	8.866	117	37473	9.654	ng	98
19) n-Nitroso-di-n-propyla...	8.584	70	66105	9.366	ng	99
20) 3+4-Methylphenols	8.549	107	99382	9.244	ng	97
22) Acetophenone	8.602	105	137361	9.712	ng	# 98
24) Nitrobenzene	8.972	77	96502	9.685	ng	97
25) Isophorone	9.502	82	189510	9.604	ng	99
26) 2-Nitrophenol	9.678	139	45860	8.968	ng	96
27) 2,4-Dimethylphenol	9.737	122	85465	9.718	ng	98
28) bis(2-Chloroethoxy)met...	9.972	93	114635	9.611	ng	99
29) 2,4-Dichlorophenol	10.213	162	82676	9.464	ng	97
30) 1,2,4-Trichlorobenzene	10.431	180	92664	9.676	ng	94
31) Naphthalene	10.613	128	287754	9.816	ng	99
32) Benzoic acid	9.825	122	53034m	8.188	ng	
33) 4-Chloroaniline	10.713	127	122647	9.472	ng	98
34) Hexachlorobutadiene	10.901	225	57821	9.695	ng	97
35) Caprolactam	11.472	113	32038	10.001	ng	93
36) 4-Chloro-3-methylphenol	11.837	107	94538	9.431	ng	97
37) 2-Methylnaphthalene	12.219	142	184172	9.654	ng	100
38) 1-Methylnaphthalene	12.437	142	199160	9.817	ng	97
40) 1,2,4,5-Tetrachloroben...	12.590	216	107104	9.678	ng	99
41) Hexachlorocyclopentadiene	12.572	237	52588	7.867	ng	97
43) 2,4,6-Trichlorophenol	12.831	196	69780	9.339	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025394.D
 Acq On : 14 Aug 2025 13:56
 Operator : CG/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:53:41 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 17:44:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	73744	9.006	ng	98
46) 1,1'-Biphenyl	13.237	154	271710	9.763	ng	98
47) 2-Chloronaphthalene	13.272	162	209419	9.666	ng	99
48) 2-Nitroaniline	13.466	65	58630	9.287	ng	97
49) Acenaphthylene	14.119	152	346021	9.652	ng	99
50) Dimethylphthalate	13.860	163	277701	9.896	ng	99
51) 2,6-Dinitrotoluene	13.972	165	54957	9.292	ng	96
52) Acenaphthene	14.472	154	207239m	9.848	ng	
53) 3-Nitroaniline	14.301	138	62991	9.466	ng	93
54) 2,4-Dinitrophenol	14.513	184	21748	6.886	ng	99
55) Dibenzofuran	14.807	168	327734	9.851	ng	100
56) 4-Nitrophenol	14.625	139	48103	8.797	ng	97
57) 2,4-Dinitrotoluene	14.766	165	77950	9.237	ng	100
58) Fluorene	15.472	166	266610	10.156	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.042	232	68931	9.533	ng	99
60) Diethylphthalate	15.242	149	282526	9.909	ng	98
61) 4-Chlorophenyl-phenyle...	15.466	204	131137	10.044	ng	99
62) 4-Nitroaniline	15.478	138	64375	9.437	ng	99
63) Azobenzene	15.766	77	234879	9.620	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	37380	7.679	ng	97
66) n-Nitrosodiphenylamine	15.684	169	235344	9.883	ng	100
67) 4-Bromophenyl-phenylether	16.384	248	80373	9.358	ng	98
68) Hexachlorobenzene	16.501	284	98614	9.905	ng	96
69) Atrazine	16.660	200	88240	9.894	ng	98
70) Pentachlorophenol	16.854	266	52539	8.360	ng	97
71) Phenanthrene	17.248	178	429752	10.018	ng	99
72) Anthracene	17.348	178	438953	10.020	ng	100
73) Carbazole	17.619	167	410726	9.954	ng	99
74) Di-n-butylphthalate	18.219	149	490232	9.656	ng	99
75) Fluoranthene	19.330	202	516523	10.094	ng	99
77) Benzidine	19.525	184	276193	9.406	ng	99
78) Pyrene	19.707	202	542670	9.704	ng	100
80) Butylbenzylphthalate	20.660	149	239416	9.446	ng	98
81) Benzo(a)anthracene	21.624	228	560279	9.874	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	207153	9.686	ng	99
83) Chrysene	21.701	228	522411	9.831	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	355530	9.529	ng	99
85) Di-n-octyl phthalate	22.877	149	594195	9.259	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	678980m	9.438	ng	
88) Benzo(b)fluoranthene	23.954	252	552191	9.549	ng	99
89) Benzo(k)fluoranthene	24.018	252	567080	9.800	ng	98
90) Benzo(a)pyrene	24.854	252	535820	9.519	ng	99
91) Dibenzo(a,h)anthracene	28.959	278	551694	9.387	ng	99
92) Benzo(g,h,i)perylene	30.047	276	548117	9.489	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

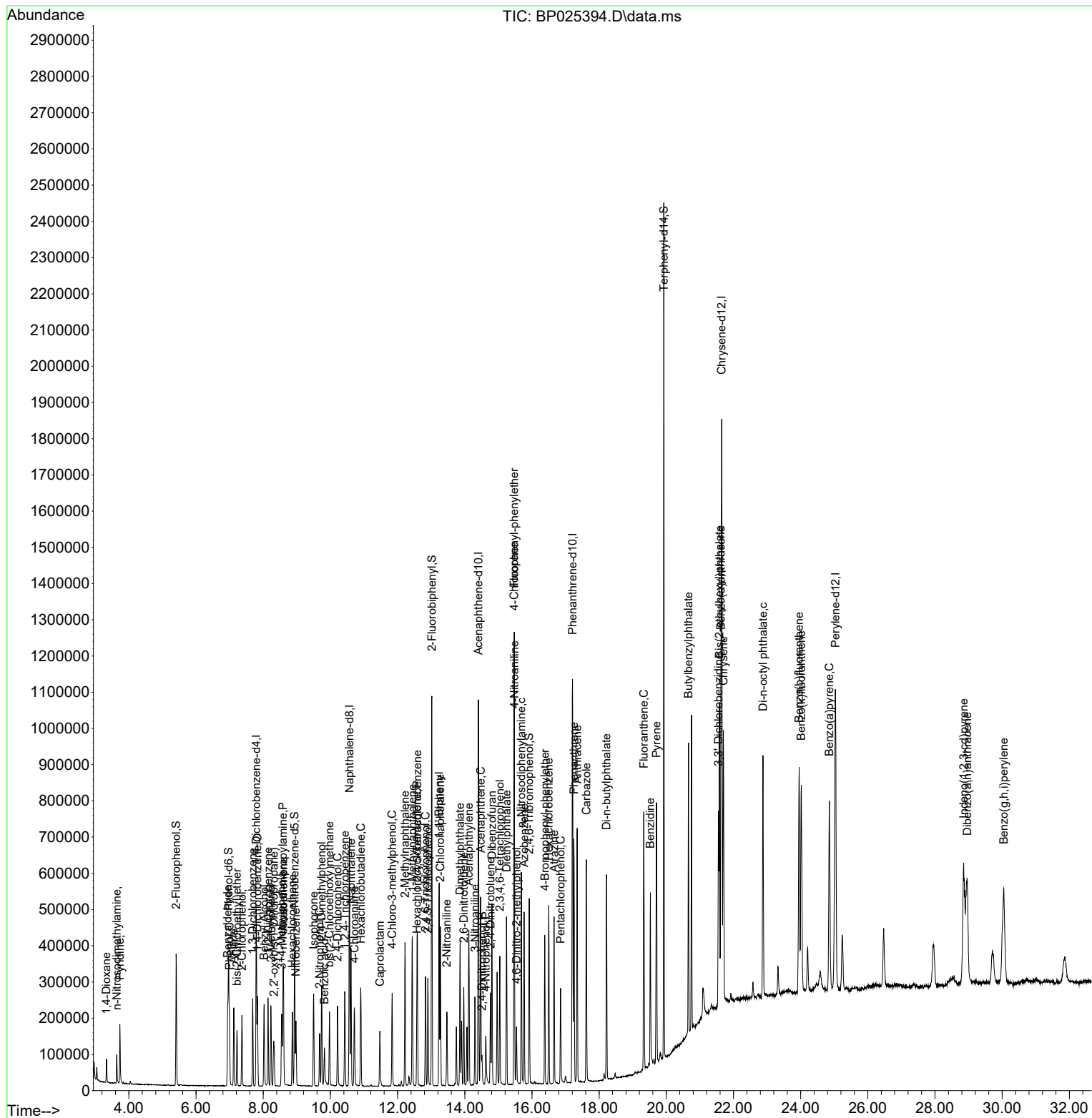
Quant Time: Aug 14 17:53:41 2025

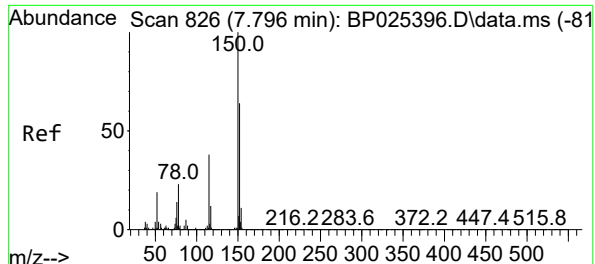
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 17:44:43 2025

Response via : Initial Calibration





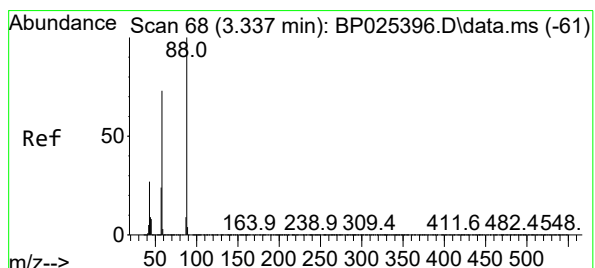
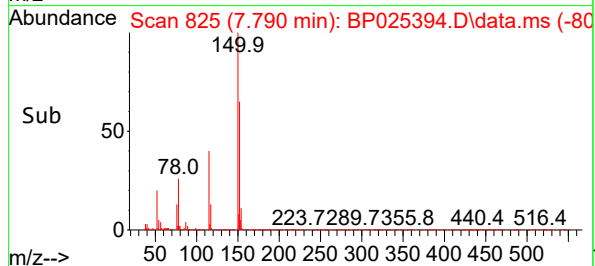
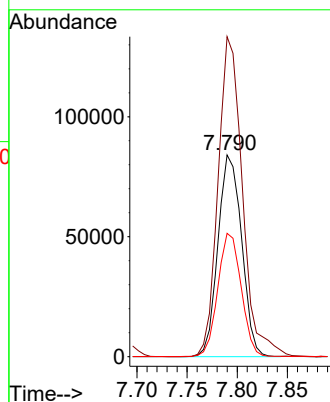
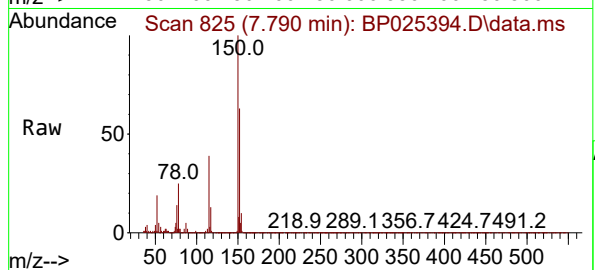
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
Client Sample Id :
SSTDICC010

Tgt Ion: 152 Resp: 13785
Ion Ratio Lower Upper
152 100
150 158.6 125.9 188.9
115 61.1 48.5 72.7

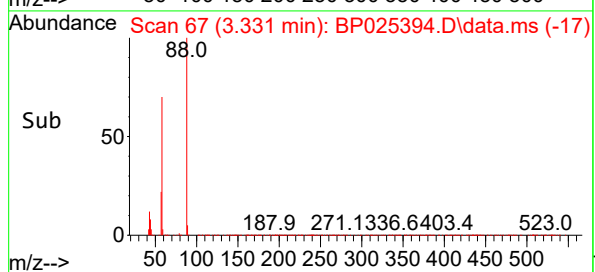
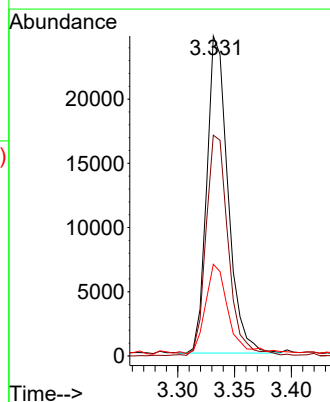
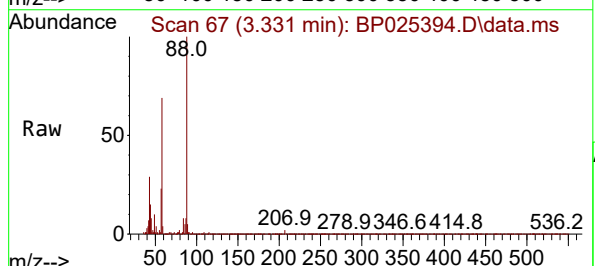
Manual Integrations
APPROVED

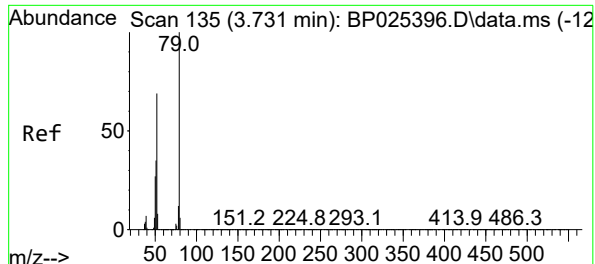
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 9.826 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 88 Resp: 31948
Ion Ratio Lower Upper
88 100
58 74.0 59.2 88.8
43 30.8 21.7 32.5





#3

Pyridine

Concen: 9.681 ng

RT: 3.731 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

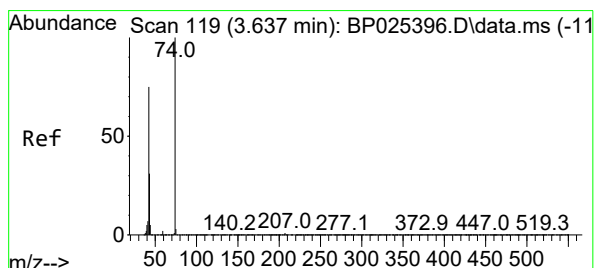
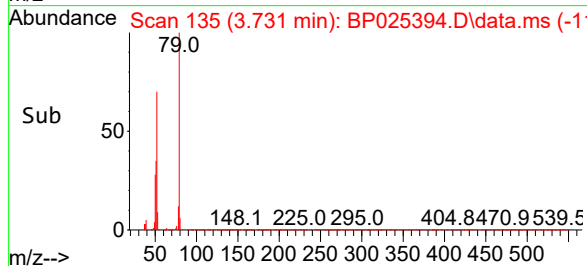
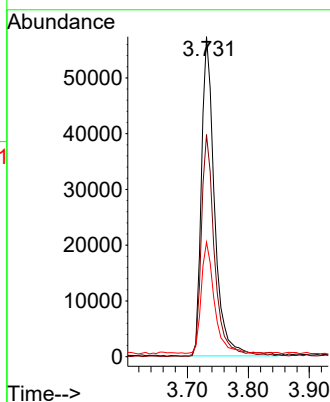
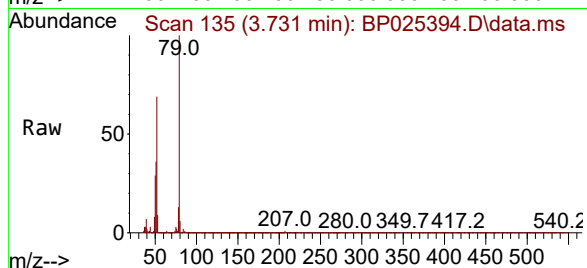
SSTDICC010

Tgt Ion:	79	Resp:	86150
Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.8	28.3	42.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#4

n-Nitrosodimethylamine

Concen: 9.681 ng

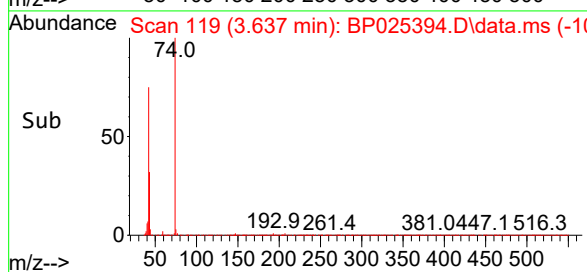
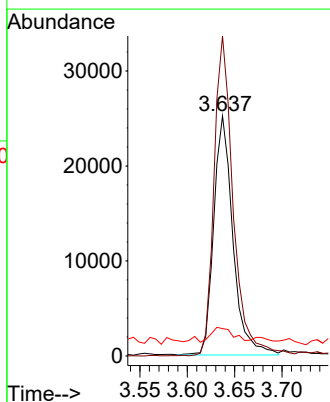
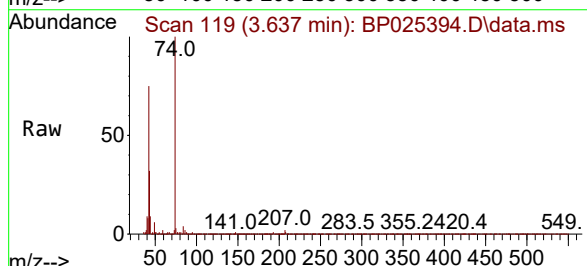
RT: 3.637 min Scan# 119

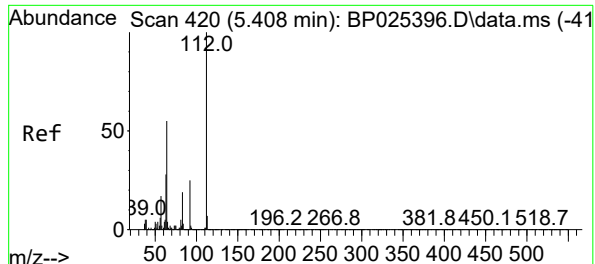
Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Tgt Ion:	42	Resp:	35519
Ion	Ratio	Lower	Upper
42	100		
74	133.3	107.0	160.4
44	11.4	6.2	9.4





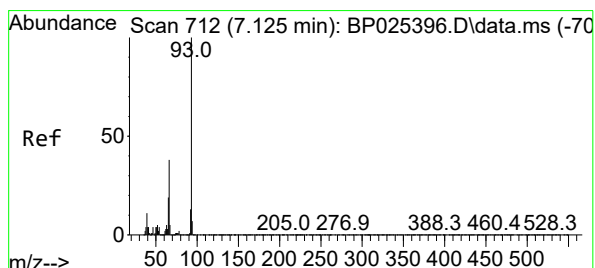
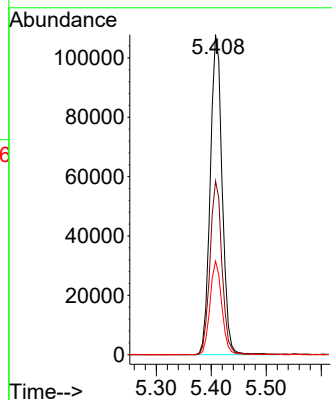
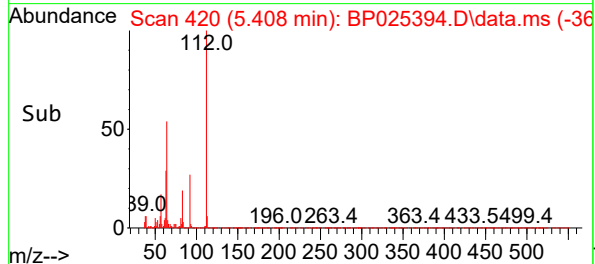
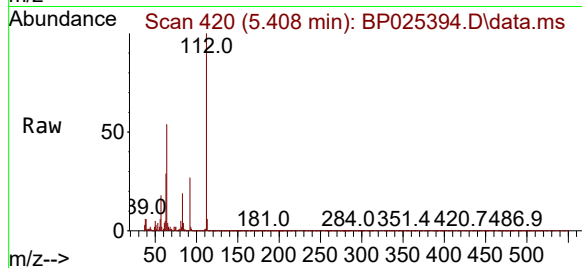
#5
2-Fluorophenol
Concen: 19.551 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 112 Resp: 162289
Ion Ratio Lower Upper
112 100
64 54.3 43.8 65.8
63 29.3 22.7 34.1

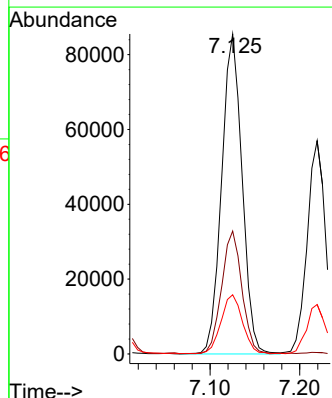
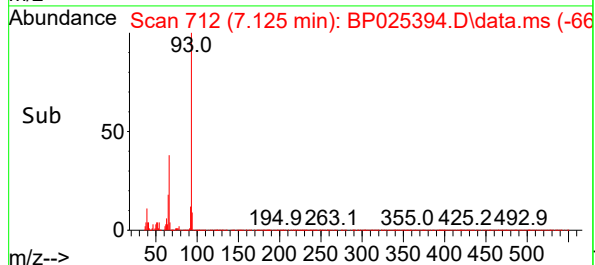
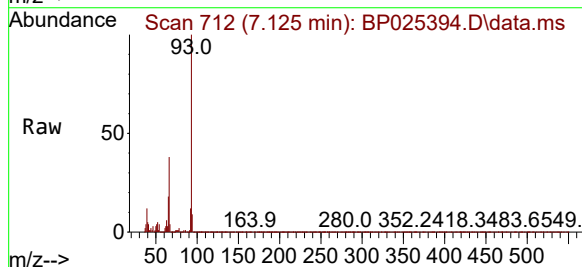
Manual Integrations
APPROVED

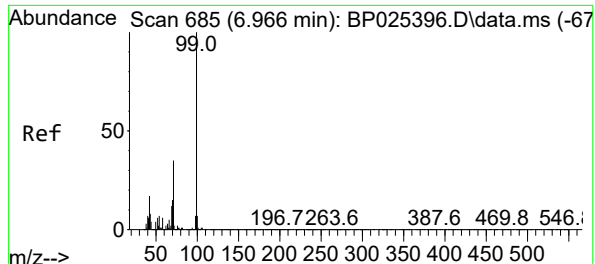
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 9.430 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 93 Resp: 135217
Ion Ratio Lower Upper
93 100
66 38.4 30.4 45.6
65 18.5 15.3 22.9





#7

Phenol-d6

Concen: 19.000 ng

RT: 6.966 min Scan# 685

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

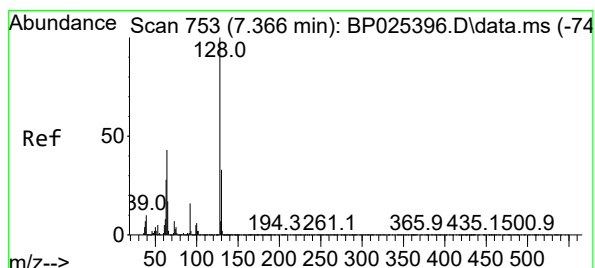
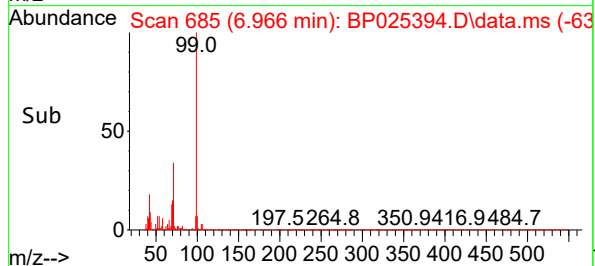
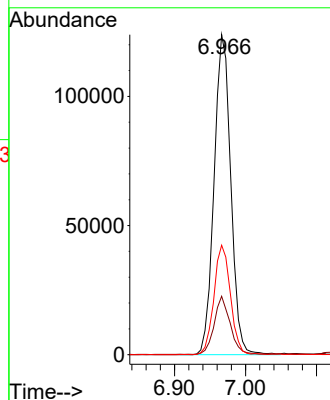
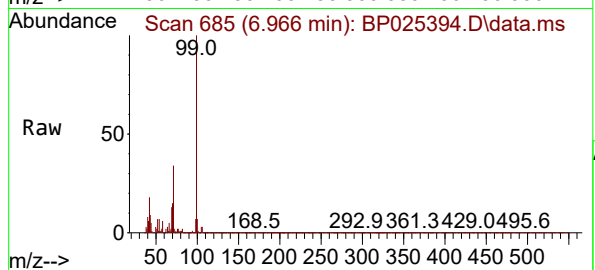
SSTDICC010

Tgt Ion:	99	Resp:	202204
Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	34.2	28.2	42.4

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#8

2-Chlorophenol

Concen: 9.439 ng

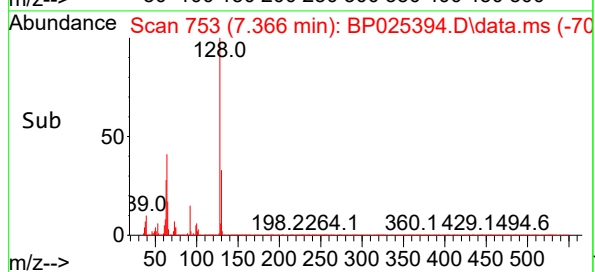
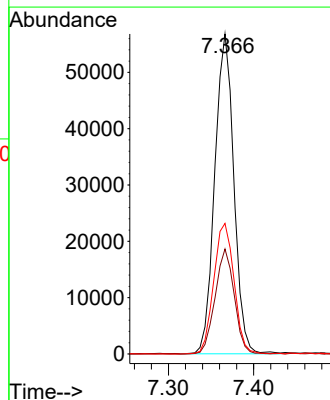
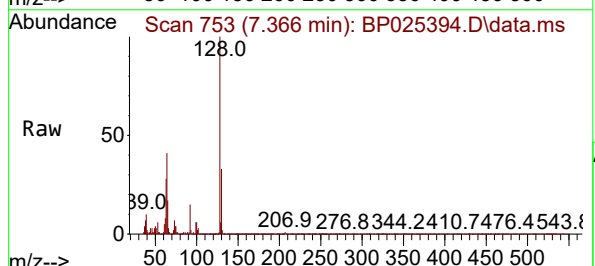
RT: 7.366 min Scan# 753

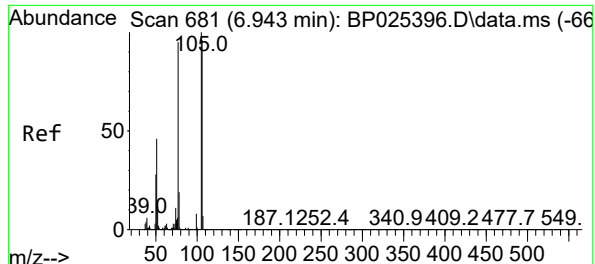
Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Tgt Ion:	128	Resp:	88413
Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	40.8	23.4	63.4





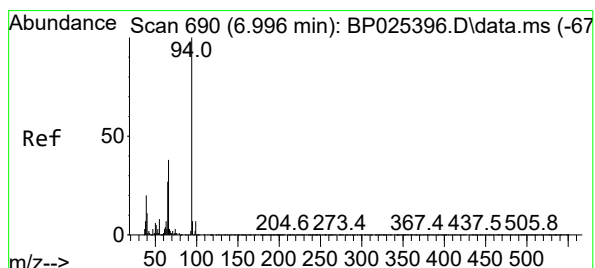
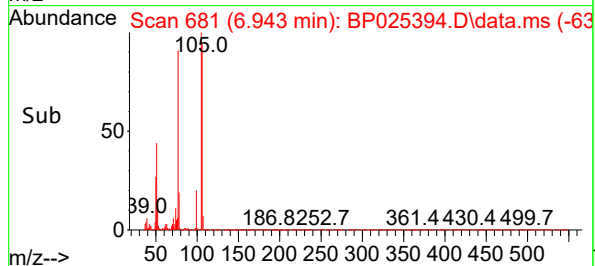
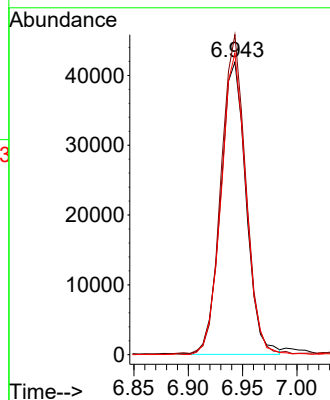
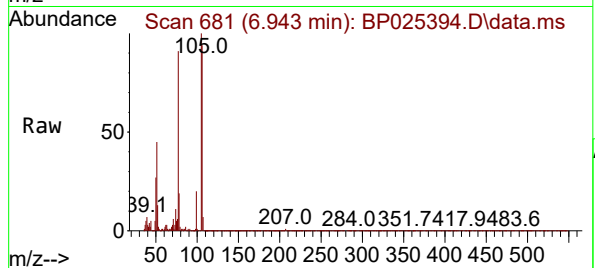
#9
Benzaldehyde
Concen: 9.129 ng m
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 68064
Ion Ratio Lower Upper
77 100
105 109.4 84.8 124.8
106 103.0 80.5 120.5

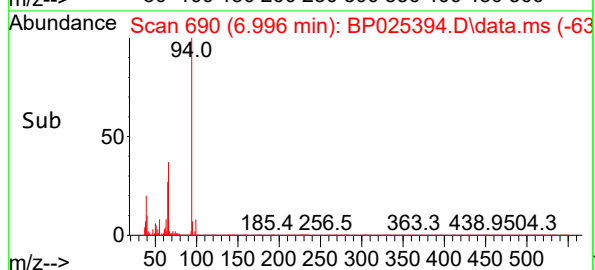
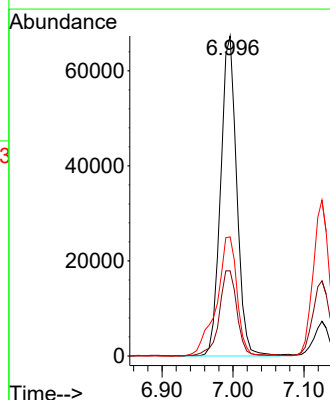
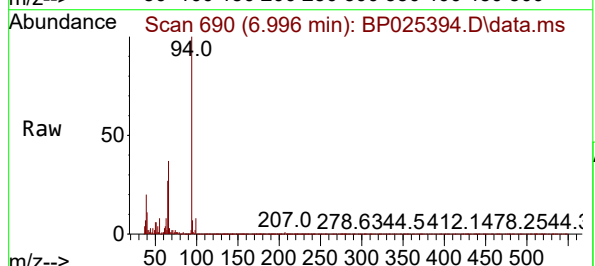
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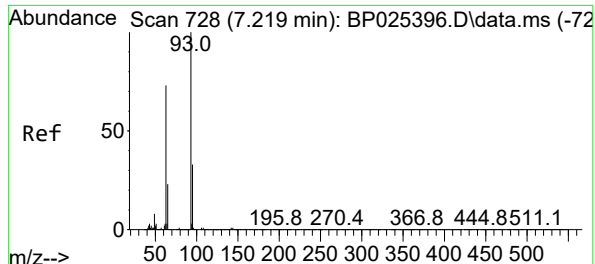
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#10
Phenol
Concen: 9.438 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 94 Resp: 105394
Ion Ratio Lower Upper
94 100
65 26.6 6.8 46.8
66 37.2 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 9.368 ng

RT: 7.219 min Scan# 728

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

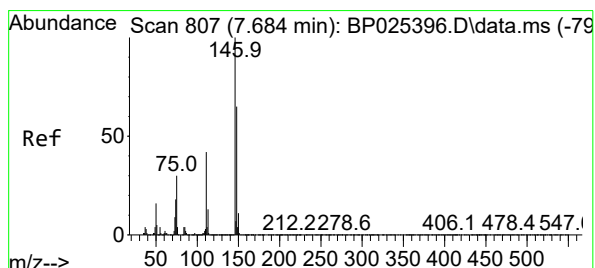
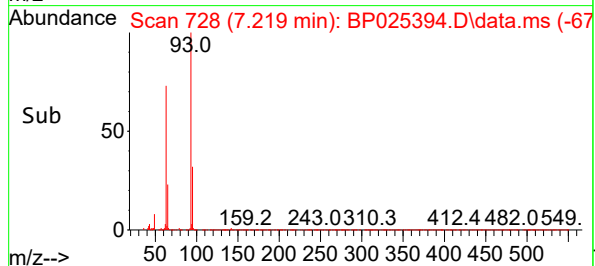
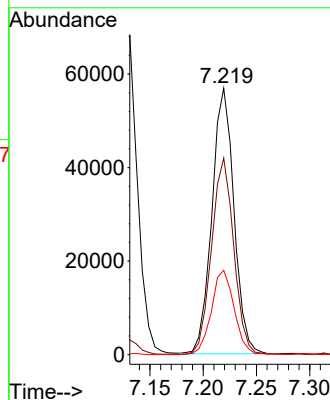
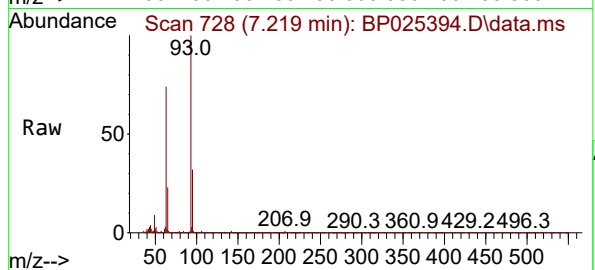
SSTDICC010

Tgt Ion:	93	Resp:	8154
Ion	Ratio	Lower	Upper
93	100		
63	73.7	52.6	92.6
95	31.7	12.7	52.7

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#12

1,3-Dichlorobenzene

Concen: 9.564 ng

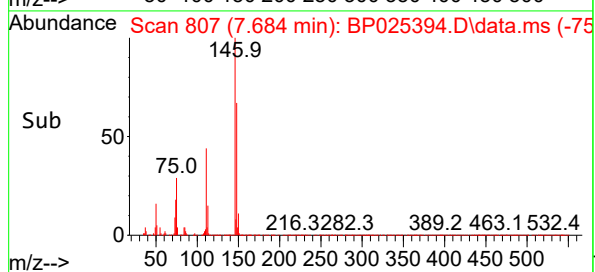
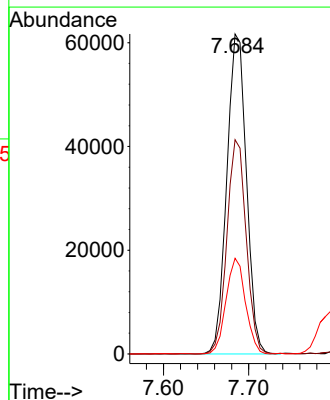
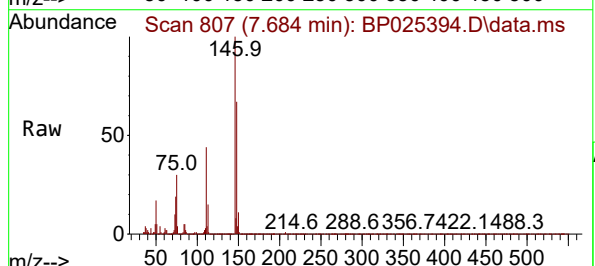
RT: 7.684 min Scan# 807

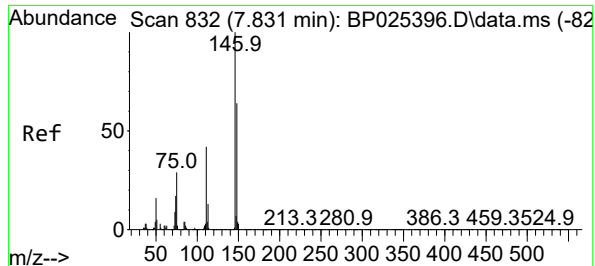
Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Tgt Ion:	146	Resp:	98782
Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.9	77.9
75	29.9	23.7	35.5





#13

1,4-Dichlorobenzene

Concen: 9.731 ng

RT: 7.825 min Scan# 831

Delta R.T. -0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 102729

Ion Ratio Lower Upper

146 100

148 63.3 51.6 77.4

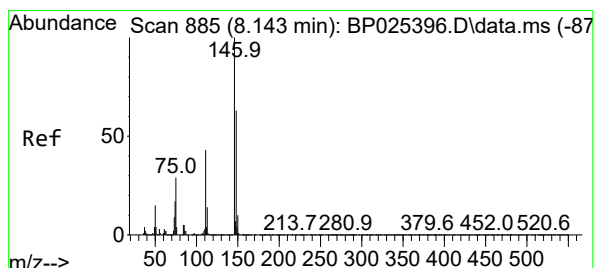
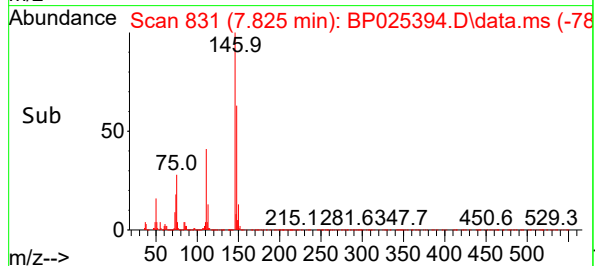
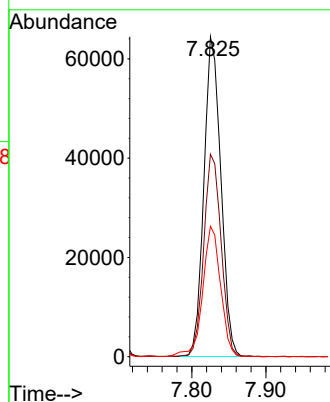
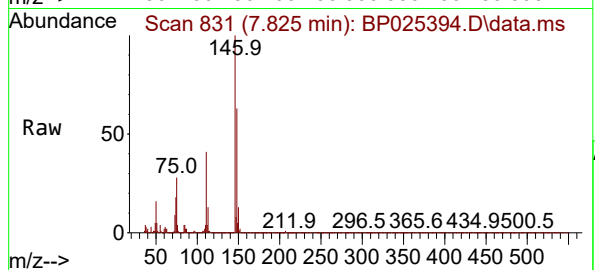
111 40.8 33.4 50.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#14

1,2-Dichlorobenzene

Concen: 9.647 ng

RT: 8.143 min Scan# 885

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

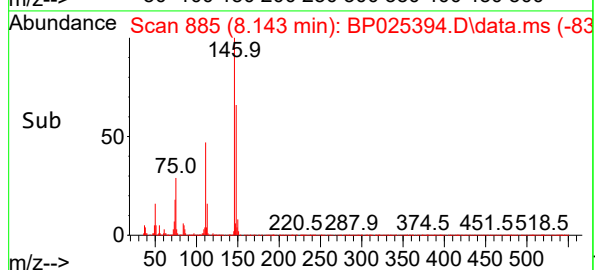
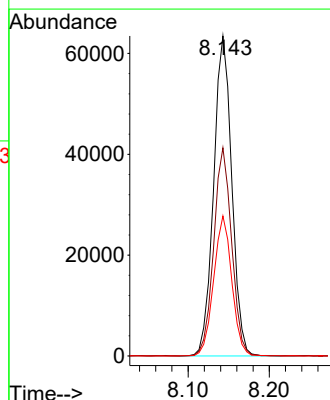
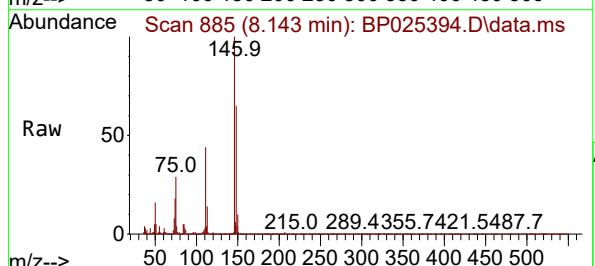
Tgt Ion:146 Resp: 98589

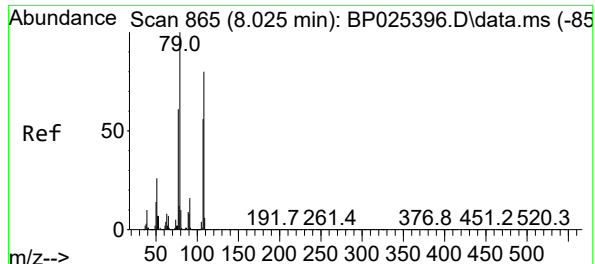
Ion Ratio Lower Upper

146 100

148 65.1 50.4 75.6

111 43.7 34.5 51.7





#15

Benzyl Alcohol

Concen: 9.273 ng

RT: 8.025 min Scan# 865

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

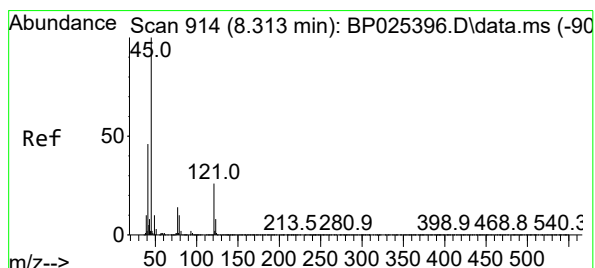
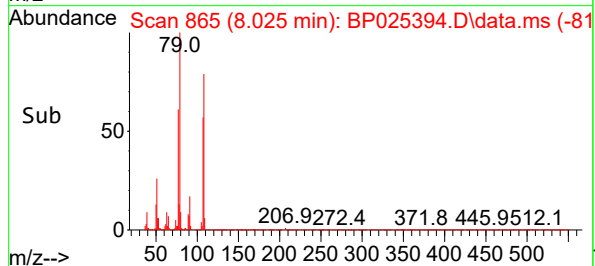
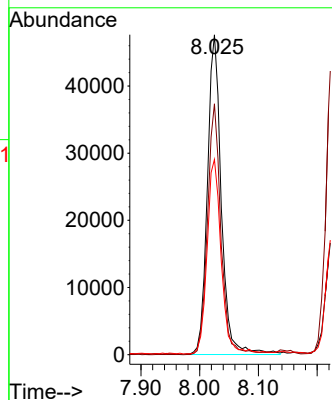
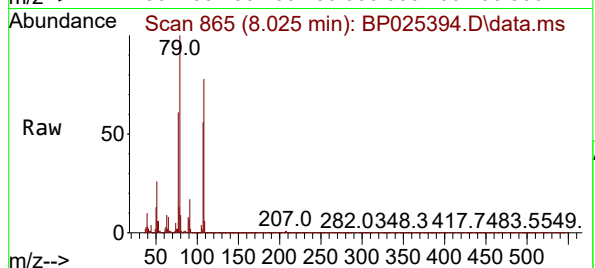
SSTDICC010

Tgt Ion:	79	Resp:	7841
Ion	Ratio	Lower	Upper
79	100		
108	78.4	63.8	95.6
77	61.0	49.0	73.4

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.412 ng

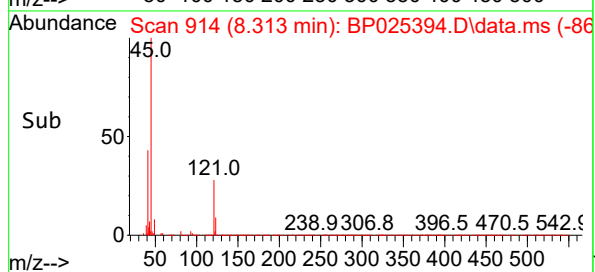
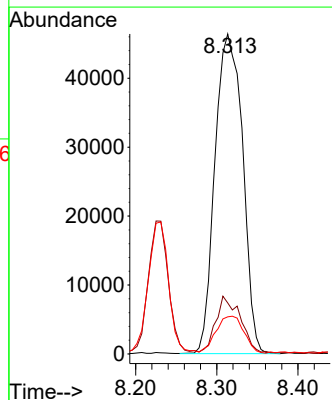
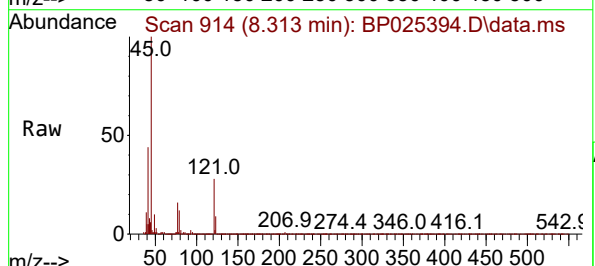
RT: 8.313 min Scan# 914

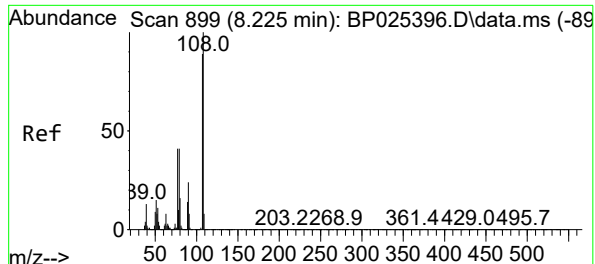
Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Tgt Ion:	45	Resp:	109744
Ion	Ratio	Lower	Upper
45	100		
77	15.9	0.0	35.3
79	11.6	0.0	31.8





#17

2-Methylphenol

Concen: 9.153 ng

RT: 8.231 min Scan# 900

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:107 Resp: 7099

Ion Ratio Lower Upper

107 100

108 108.4 89.4 134.0

77 45.5 36.3 54.5

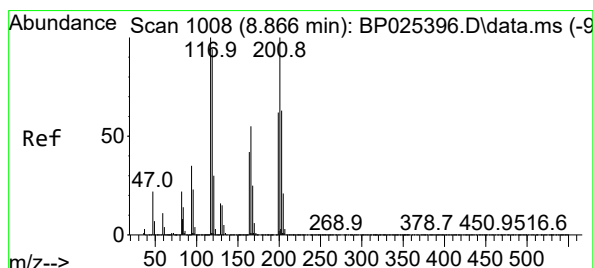
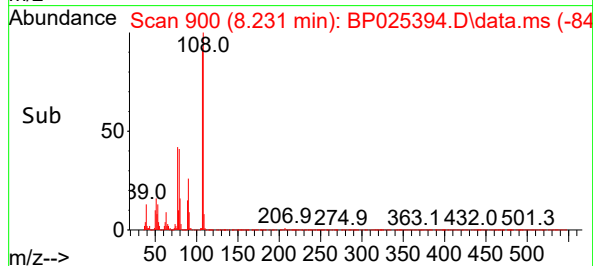
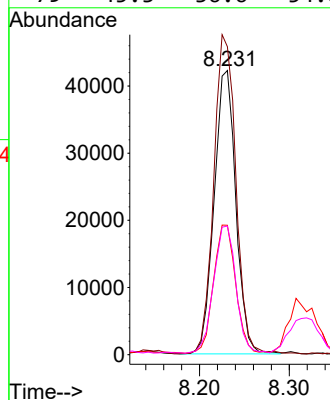
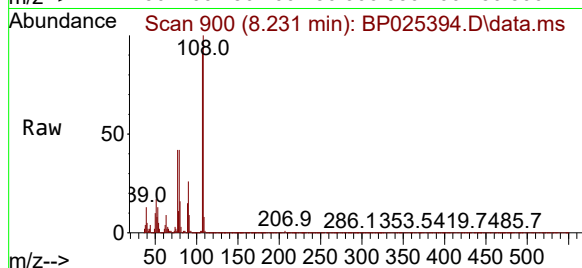
79 45.3 36.6 54.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#18

Hexachloroethane

Concen: 9.654 ng

RT: 8.866 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

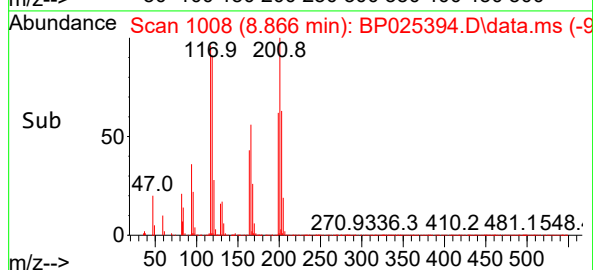
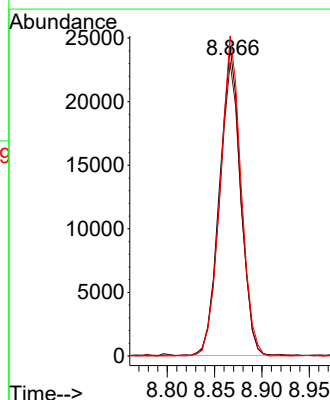
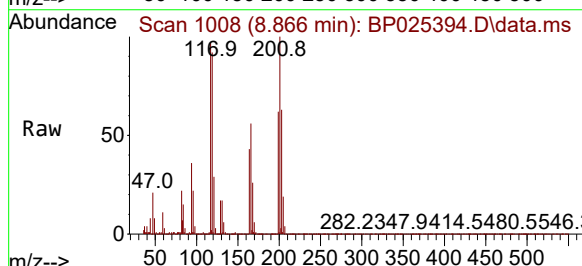
Tgt Ion:117 Resp: 37473

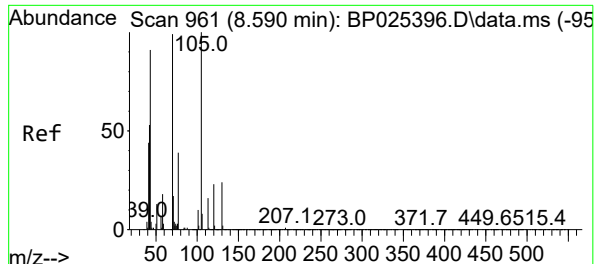
Ion Ratio Lower Upper

117 100

119 94.8 75.1 112.7

201 103.5 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 9.366 ng

RT: 8.584 min Scan# 961

Delta R.T. -0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 6610

Ion Ratio Lower Upper

70 100

42 54.2 43.8 65.6

101 11.1 8.5 12.7

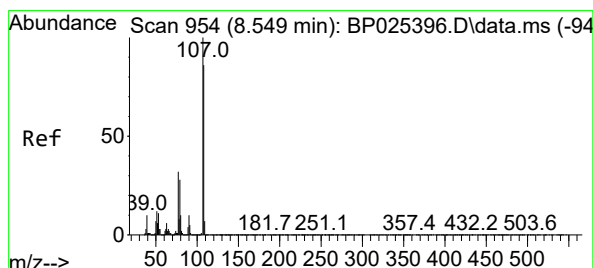
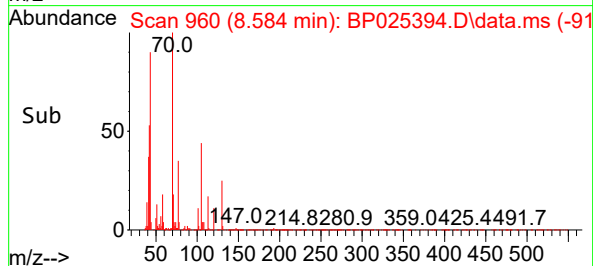
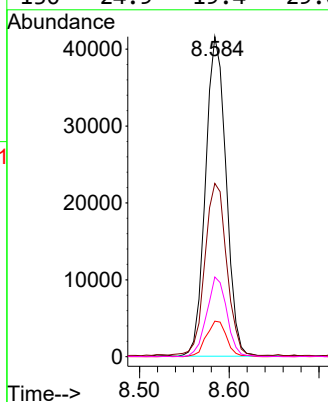
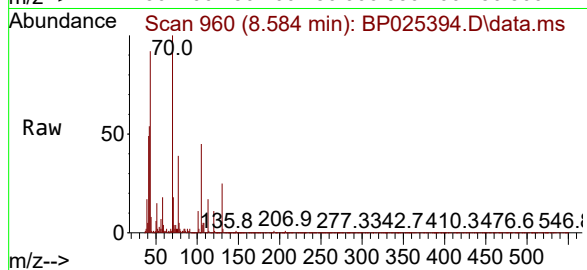
130 24.9 19.4 29.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#20

3+4-Methylphenols

Concen: 9.244 ng

RT: 8.549 min Scan# 954

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Tgt Ion:107 Resp: 99382

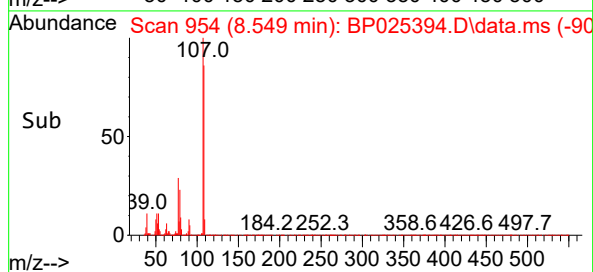
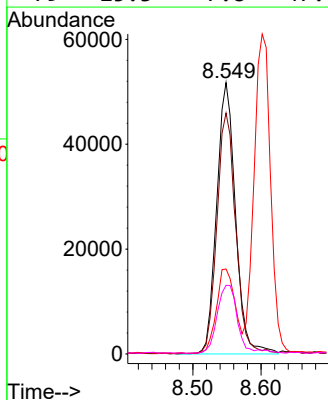
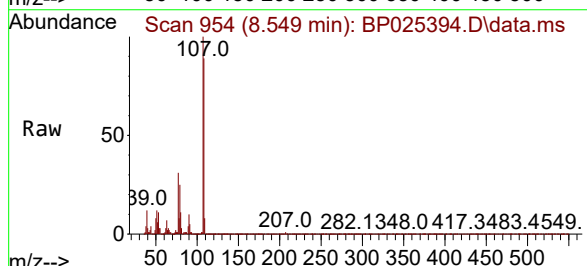
Ion Ratio Lower Upper

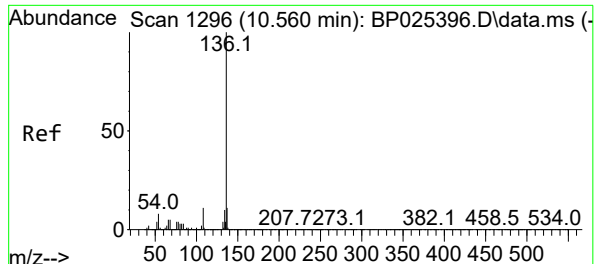
107 100

108 88.8 66.3 106.3

77 31.3 12.3 52.3

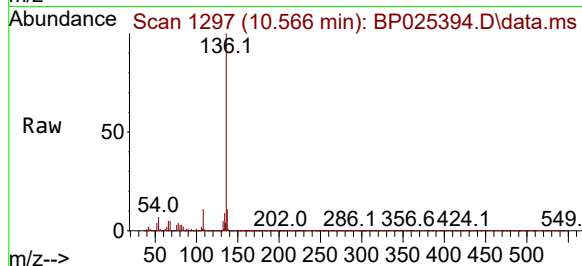
79 25.3 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

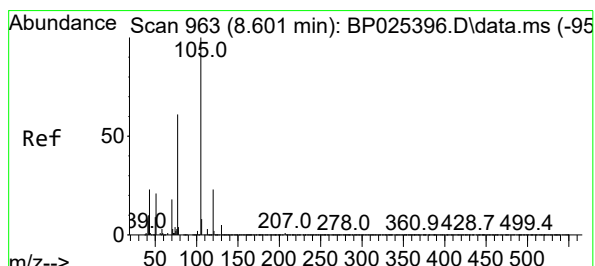
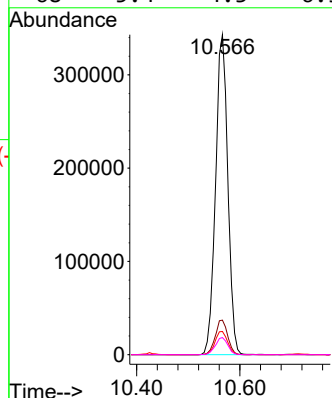
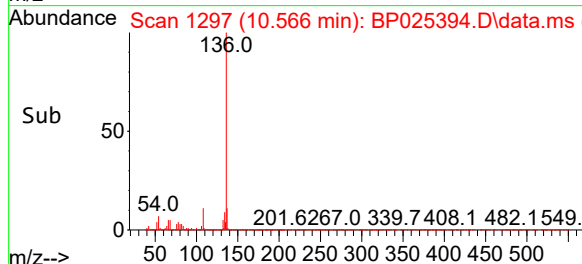
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:136 Resp: 56399
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.3 6.0 9.0
68 5.4 4.3 6.5

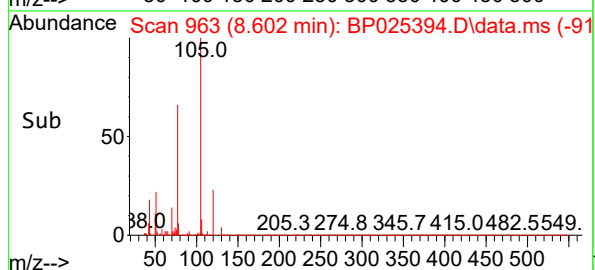
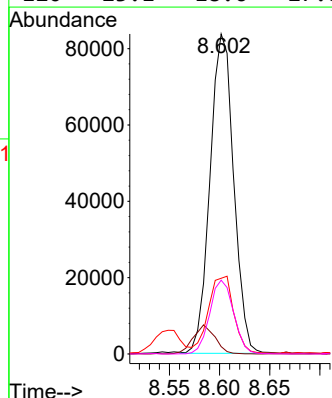
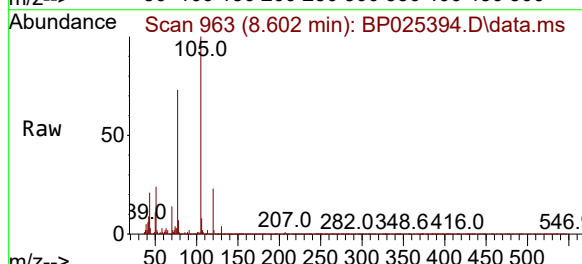
Manual Integrations
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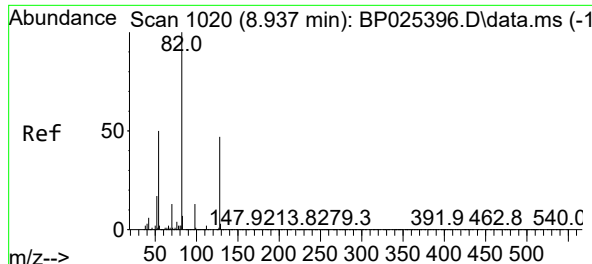
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#22
Acetophenone
Concen: 9.712 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:105 Resp: 137361
Ion Ratio Lower Upper
105 100
71 2.3 2.6 4.0#
51 23.7 20.6 30.8
120 23.1 18.6 27.8





#23

Nitrobenzene-d5

Concen: 19.036 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025394.D

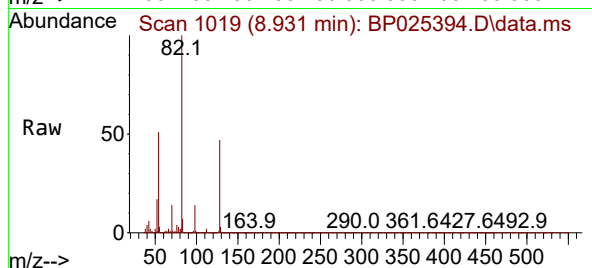
Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010



Tgt Ion: 82 Resp: 212230

Ion Ratio Lower Upper

82 100

128 46.6 37.7 56.5

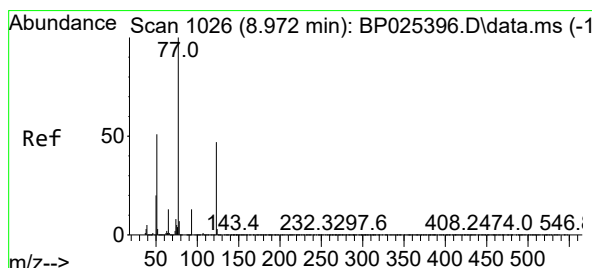
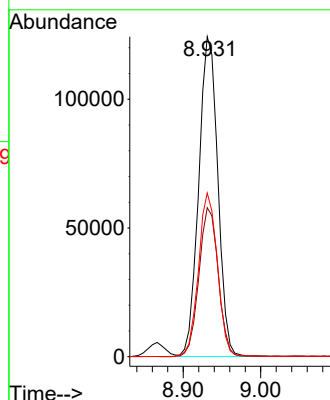
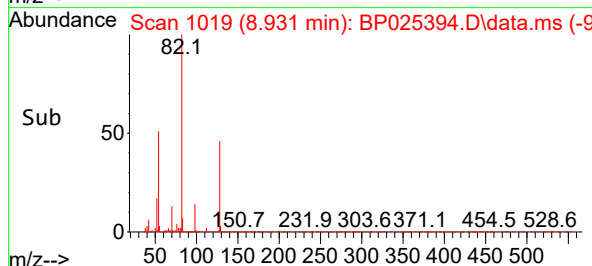
54 51.2 39.8 59.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#24

Nitrobenzene

Concen: 9.685 ng

RT: 8.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

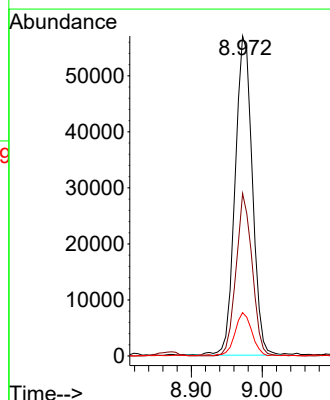
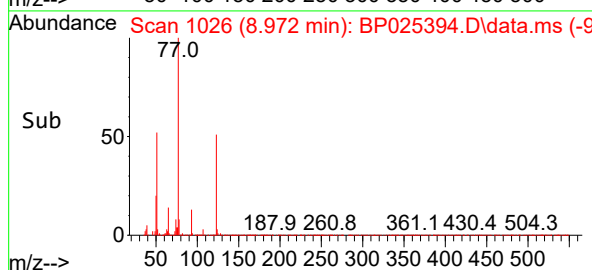
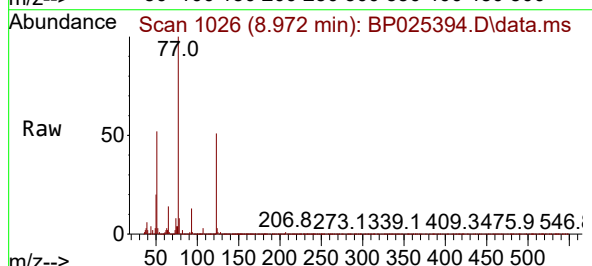
Tgt Ion: 77 Resp: 96502

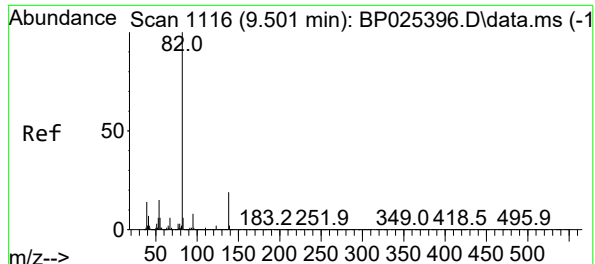
Ion Ratio Lower Upper

77 100

123 50.8 38.6 58.0

65 13.6 10.6 15.8





#25

Isophorone

Concen: 9.604 ng

RT: 9.502 min Scan# 1116

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 189510

Ion Ratio Lower Upper

82 100

95 7.0 6.4 9.6

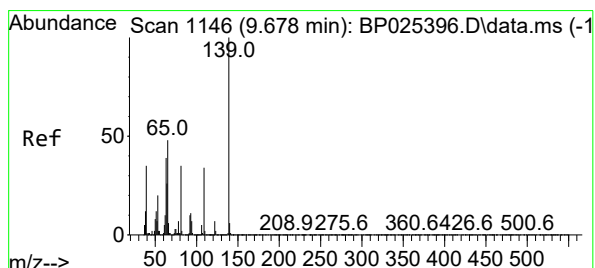
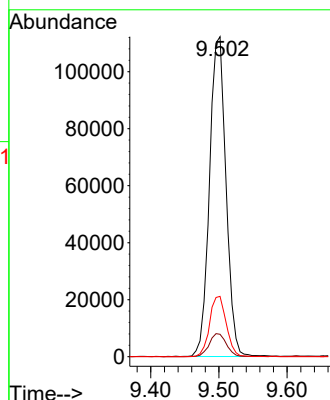
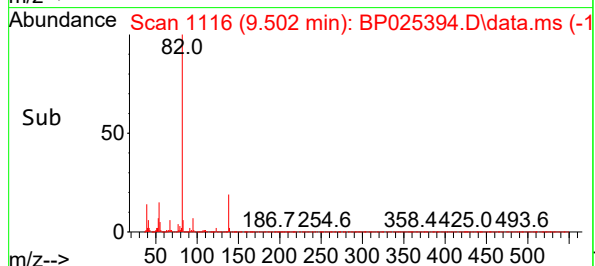
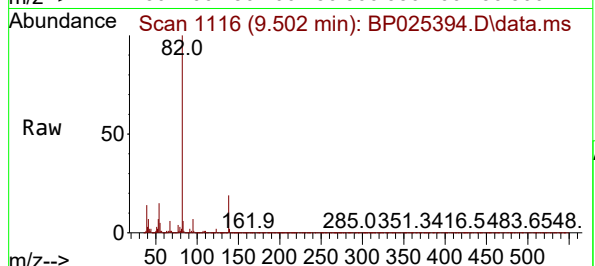
138 18.8 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#26

2-Nitrophenol

Concen: 8.968 ng

RT: 9.678 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

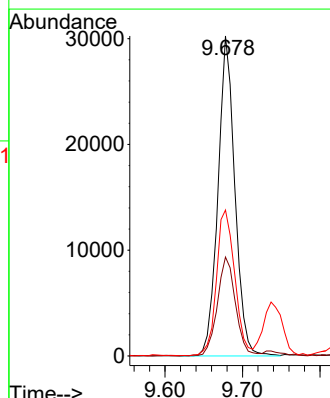
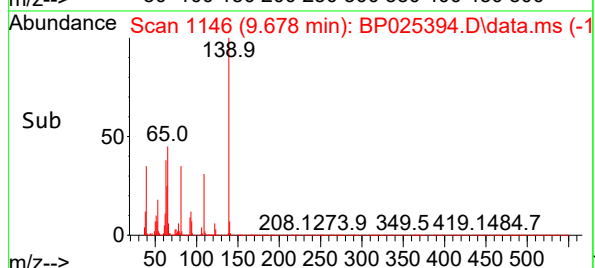
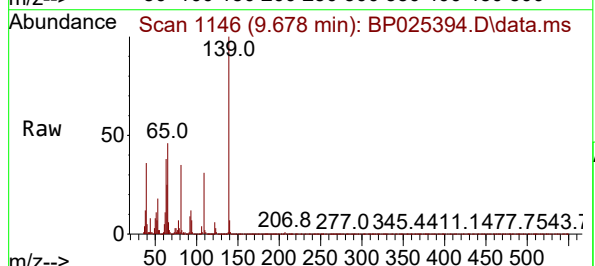
Tgt Ion:139 Resp: 45860

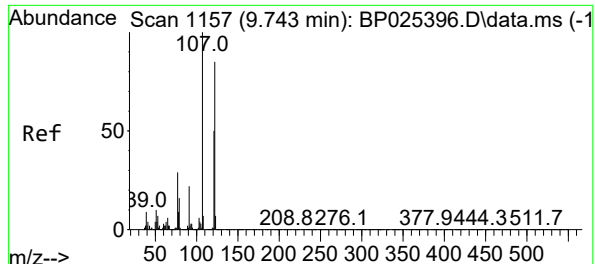
Ion Ratio Lower Upper

139 100

109 30.9 26.9 40.3

65 45.6 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 9.718 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:122 Resp: 8546

Ion Ratio Lower Upper

122 100

107 114.2 93.7 140.5

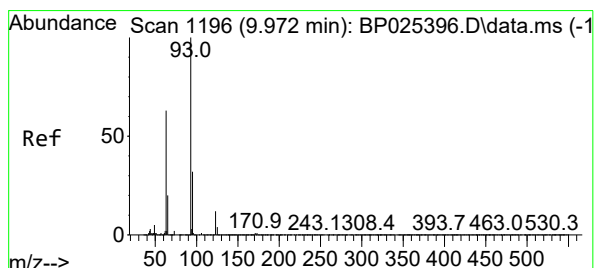
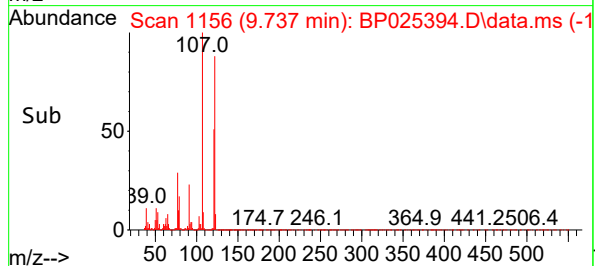
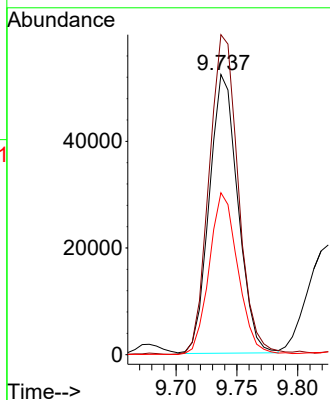
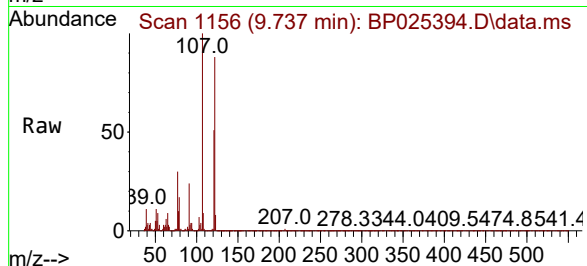
121 57.8 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 9.611 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

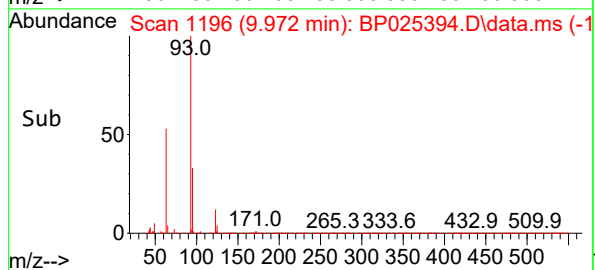
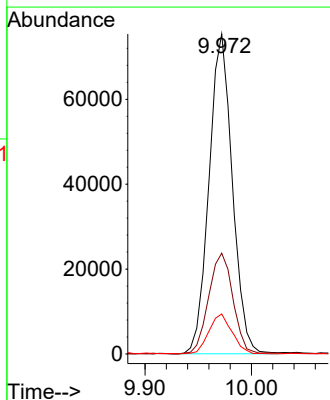
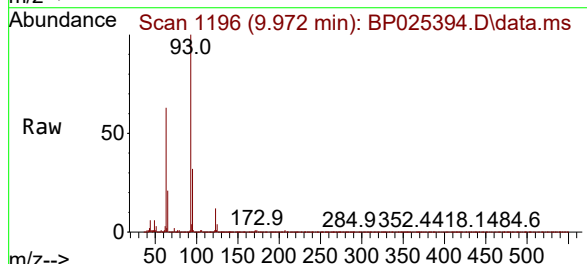
Tgt Ion: 93 Resp: 114635

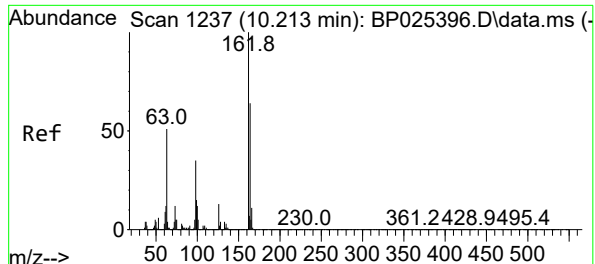
Ion Ratio Lower Upper

93 100

95 31.5 25.4 38.0

123 12.5 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 9.464 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

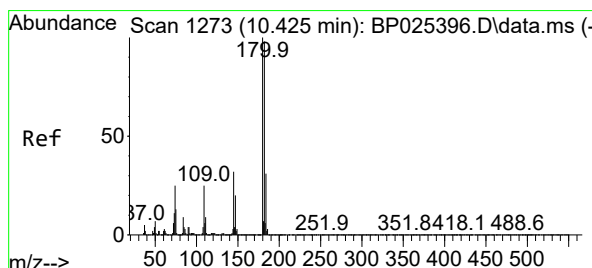
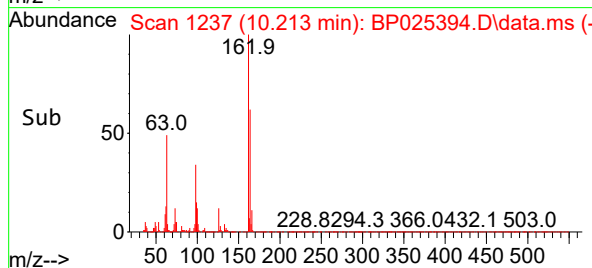
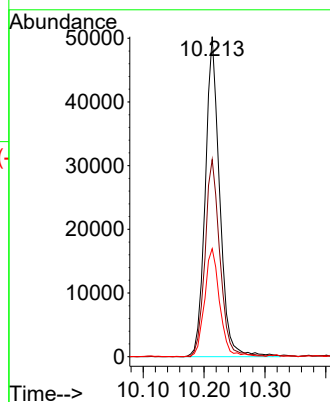
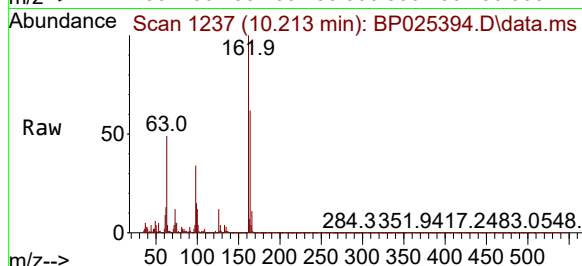
SSTDICC010

Tgt Ion:	162	Resp:	82670
Ion Ratio	Lower	Upper	
162	100		
164	61.6	44.4	84.4
98	33.8	14.9	54.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#30

1,2,4-Trichlorobenzene

Concen: 9.676 ng

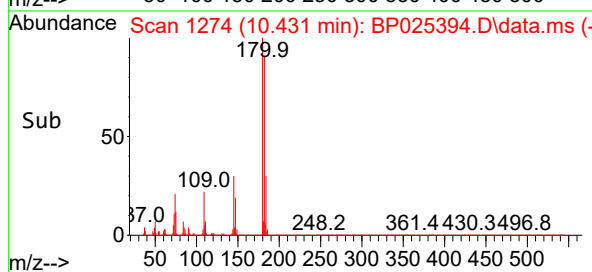
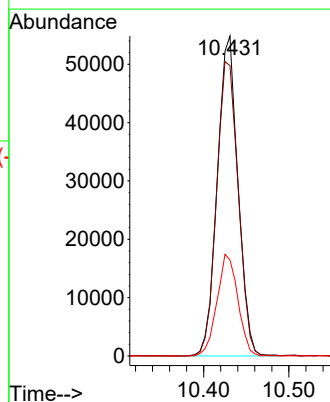
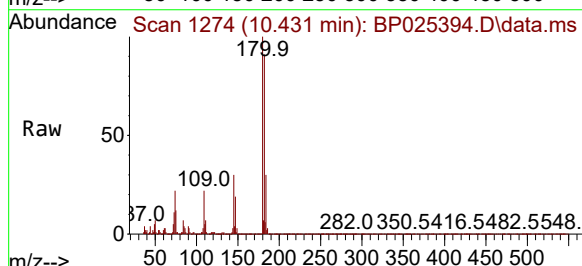
RT: 10.431 min Scan# 1274

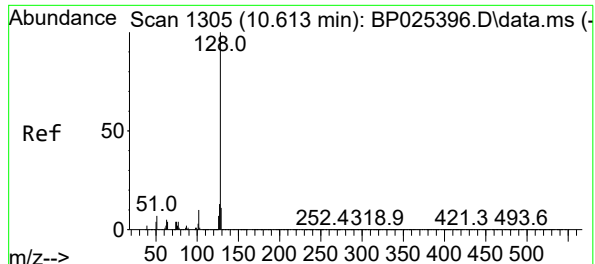
Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Tgt Ion:	180	Resp:	92664
Ion Ratio	Lower	Upper	
180	100		
182	90.7	78.0	117.0
145	30.1	25.9	38.9





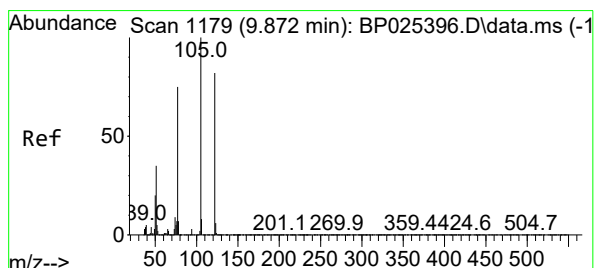
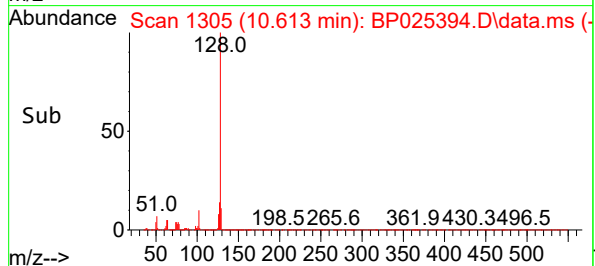
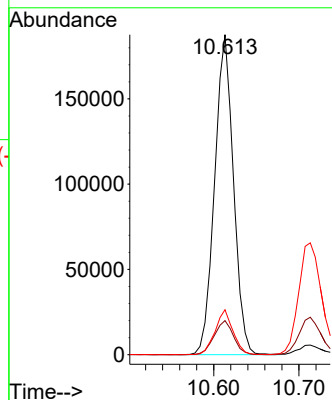
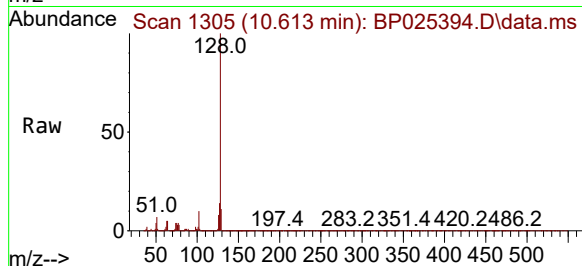
#31
Naphthalene
Concen: 9.816 ng
RT: 10.613 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 287754
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 14.0 10.7 16.1

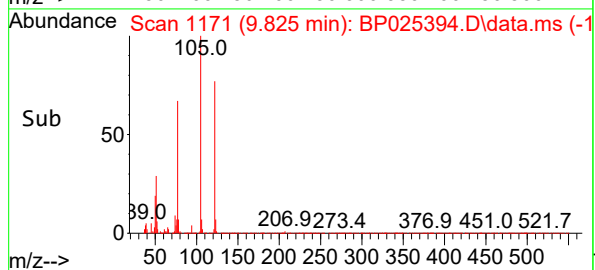
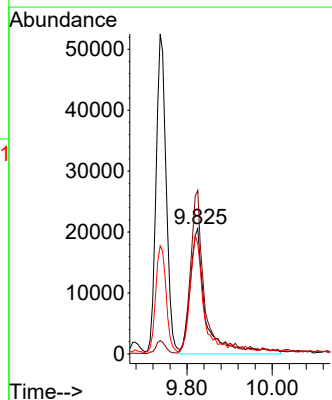
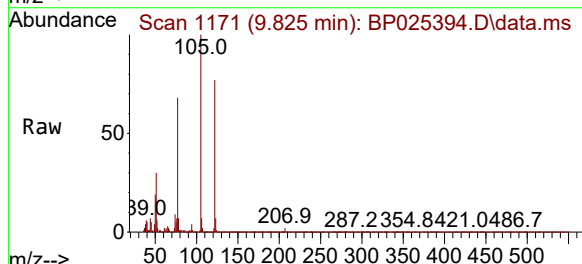
Manual Integrations
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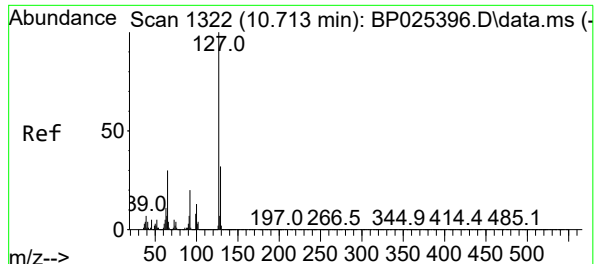
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#32
Benzoic acid
Concen: 8.188 ng m
RT: 9.825 min Scan# 1171
Delta R.T. -0.047 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:122 Resp: 53034
Ion Ratio Lower Upper
122 100
105 130.4 100.6 140.6
77 88.0 71.5 111.5





#33
4-Chloroaniline
Concen: 9.472 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

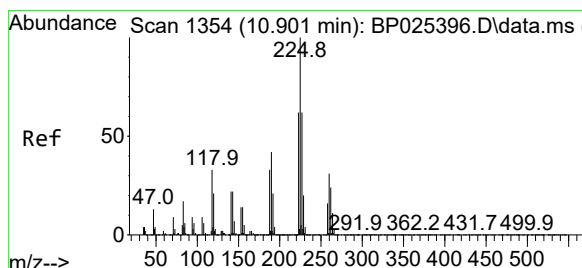
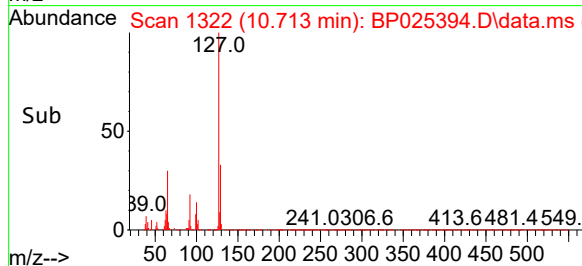
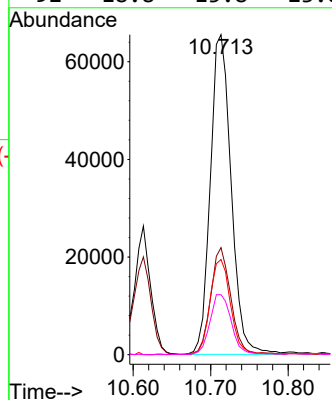
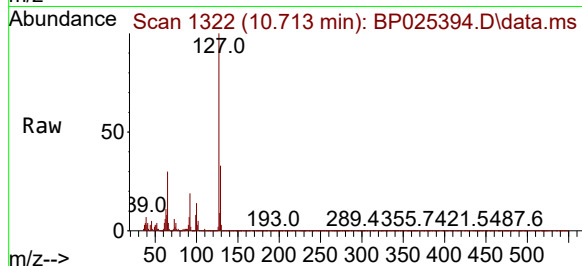
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.4	38.2
65	29.7	23.8	35.6
92	18.8	15.8	23.8

Manual Integrations
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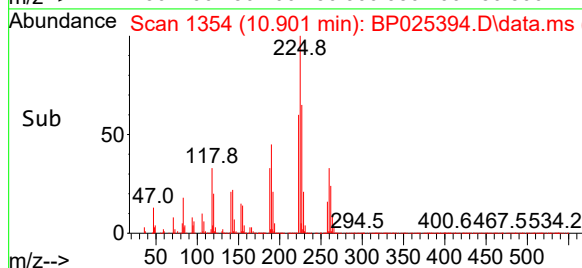
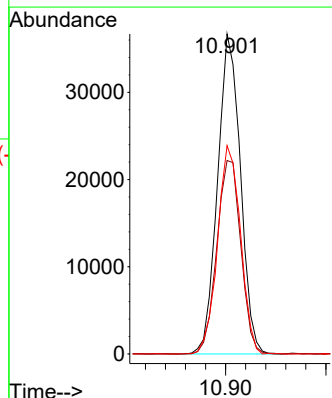
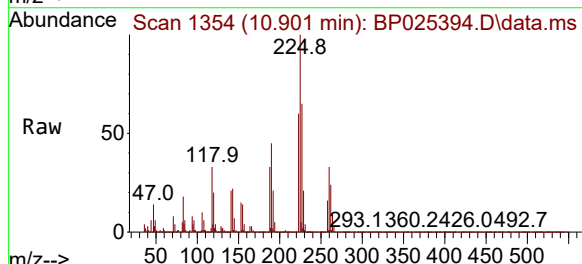
Reviewed By :Rahul Chavli 08/15/2025

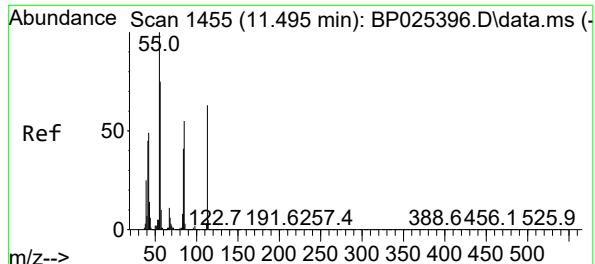
Supervised By :Jagrut Upadhyay 08/15/2025



#34
Hexachlorobutadiene
Concen: 9.695 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	50.0	75.0
227	65.1	49.7	74.5





#35

Caprolactam

Concen: 10.001 ng

RT: 11.472 min Scan# 1455

Delta R.T. -0.023 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:113 Resp: 32038

Ion Ratio Lower Upper

113 100

55 172.3 140.0 180.0

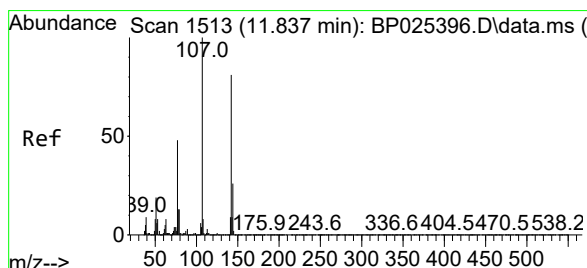
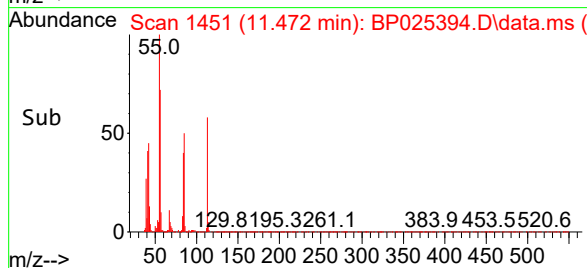
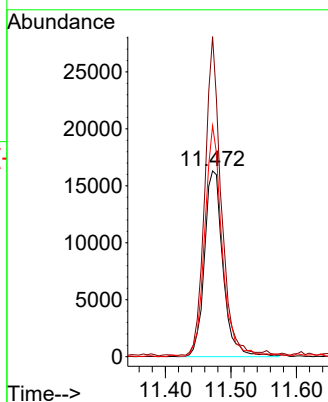
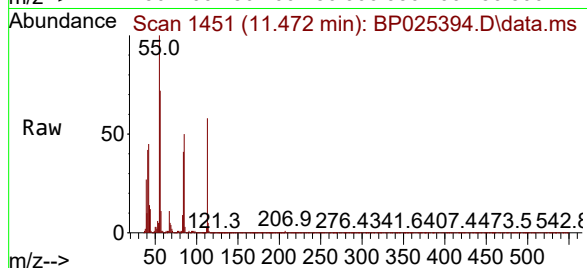
56 124.4 100.0 140.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#36

4-Chloro-3-methylphenol

Concen: 9.431 ng

RT: 11.837 min Scan# 1513

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

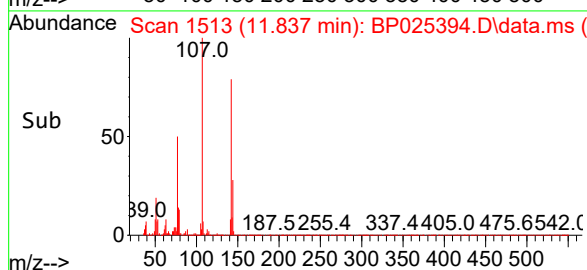
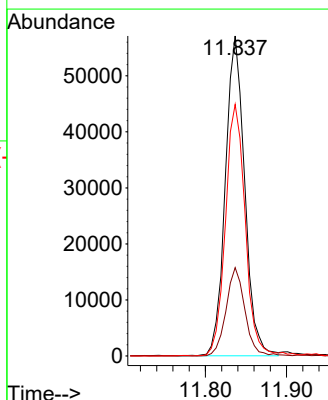
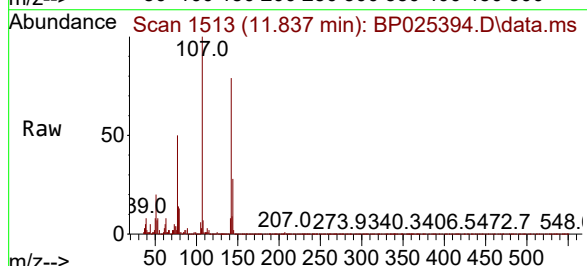
Tgt Ion:107 Resp: 94538

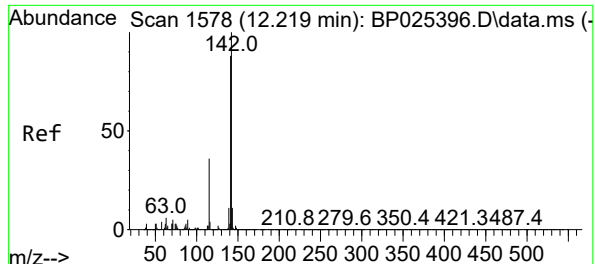
Ion Ratio Lower Upper

107 100

144 27.6 21.0 31.4

142 78.6 64.6 97.0





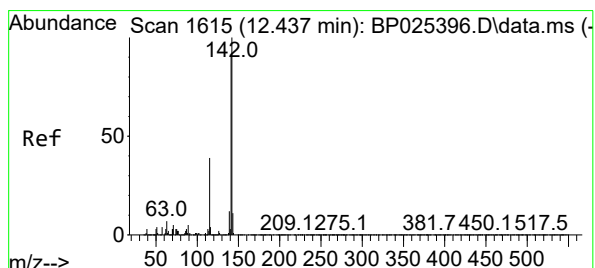
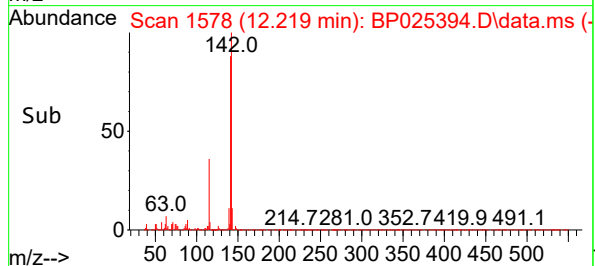
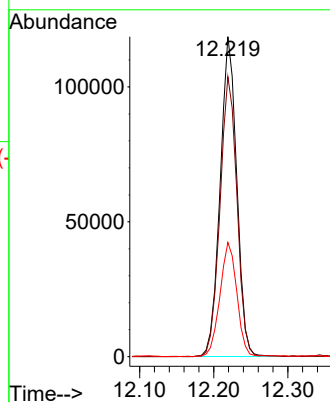
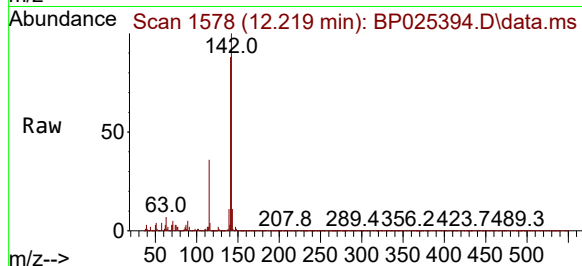
#37
2-Methylnaphthalene
Concen: 9.654 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 184172
Ion Ratio Lower Upper
142 100
141 87.5 70.3 105.5
115 35.7 28.9 43.3

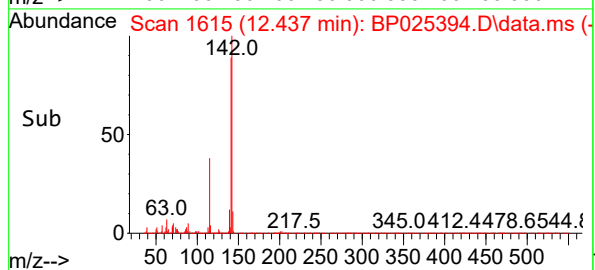
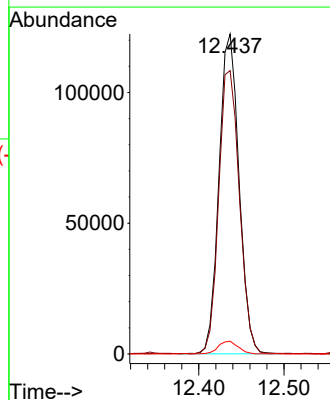
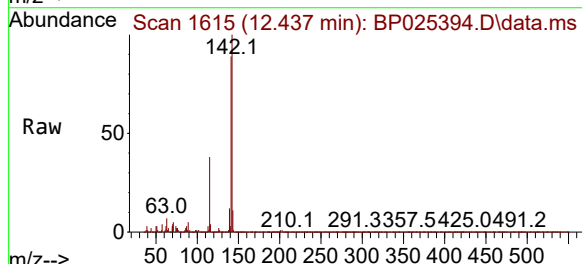
Manual Integrations
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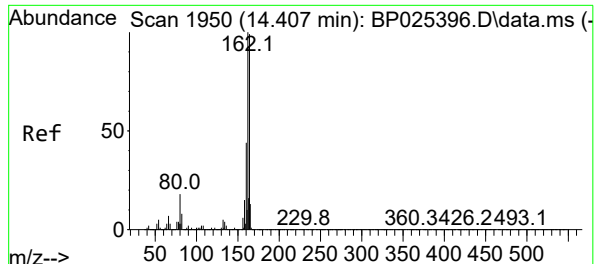
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#38
1-Methylnaphthalene
Concen: 9.817 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:142 Resp: 199160
Ion Ratio Lower Upper
142 100
141 88.6 73.1 109.7
116 4.0 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.407 min Scan# 1950

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

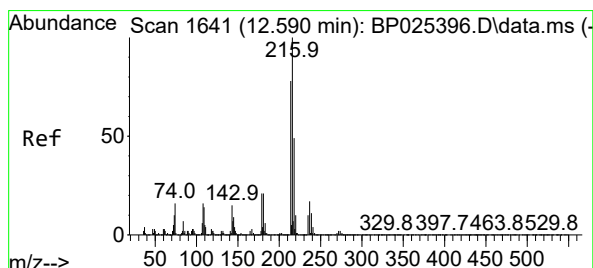
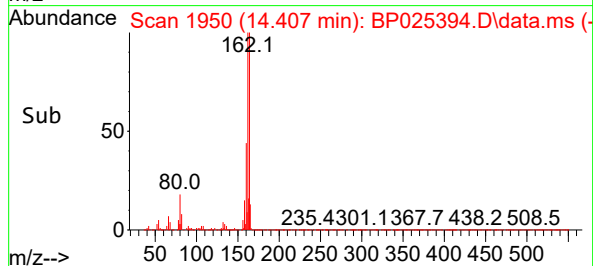
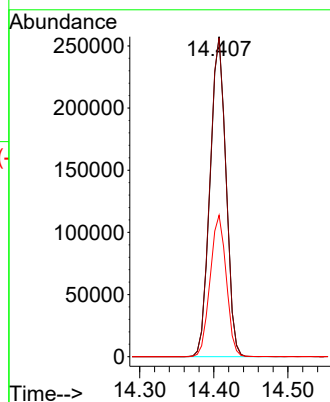
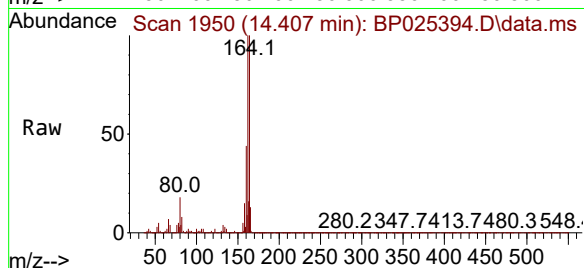
SSTDICC010

Tgt Ion:	164	Resp:	38319
Ion Ratio	Lower	Upper	
164	100		
162	99.7	81.0	121.6
160	44.2	35.4	53.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.678 ng

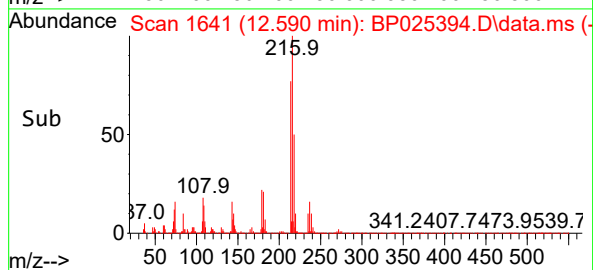
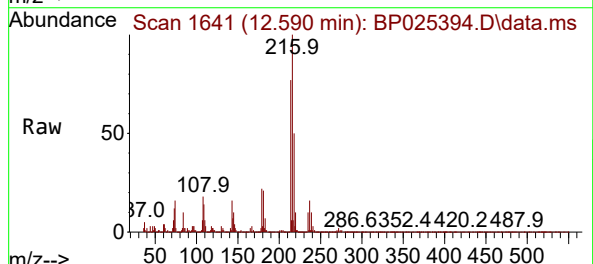
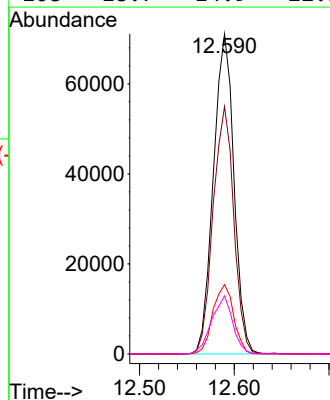
RT: 12.590 min Scan# 1641

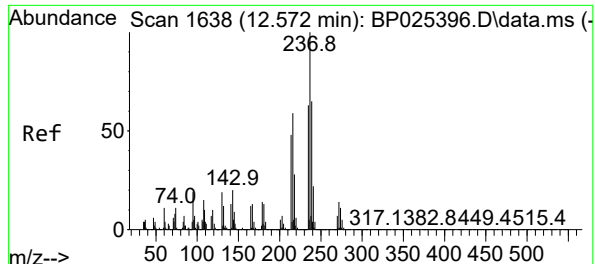
Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

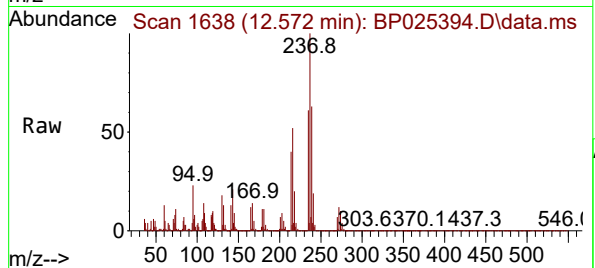
Tgt Ion:	216	Resp:	107104
Ion Ratio	Lower	Upper	
216	100		
214	77.8	63.0	94.4
179	22.0	17.1	25.7
108	18.7	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 7.867 ng
RT: 12.572 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

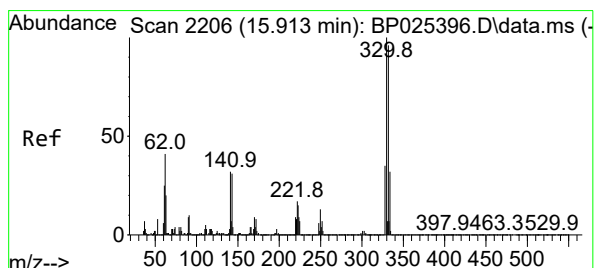
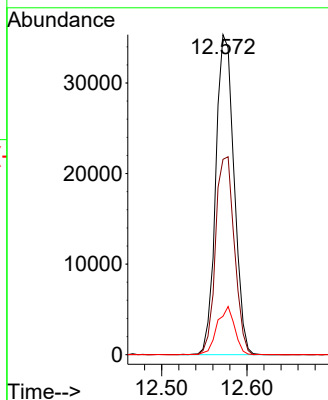
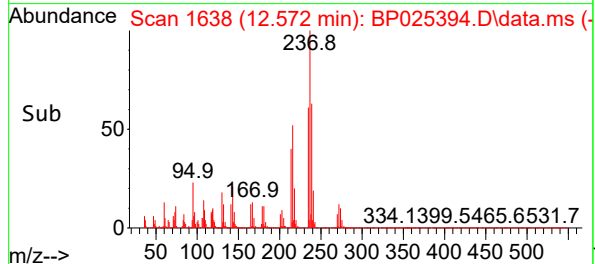
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



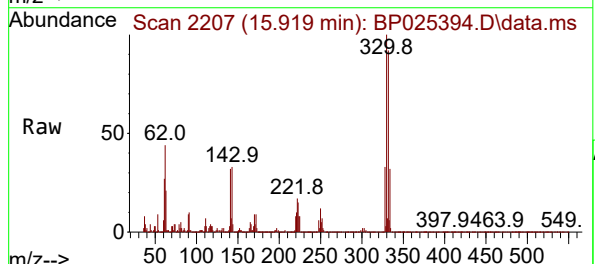
Tgt Ion: 237 Resp: 5258
Ion Ratio Lower Upper
237 100
235 61.1 42.7 82.7
272 12.0 0.0 34.0

Manual Integrations
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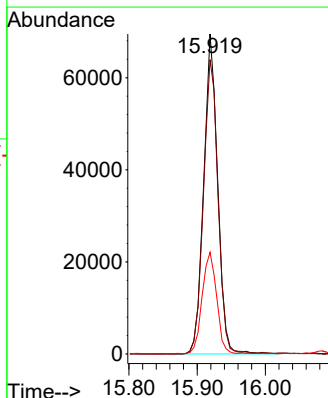
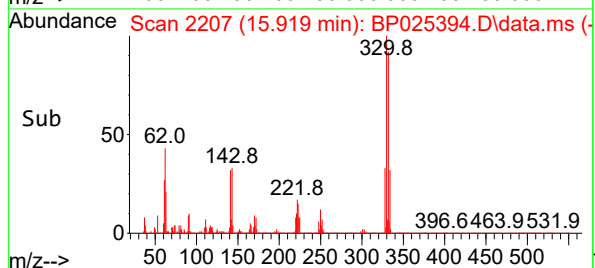
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

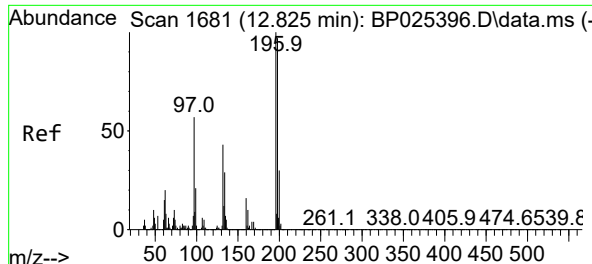


#42
2,4,6-Tribromophenol
Concen: 19.210 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion: 330 Resp: 99083
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 33.1 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 9.339 ng

RT: 12.831 min Scan# 1682

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

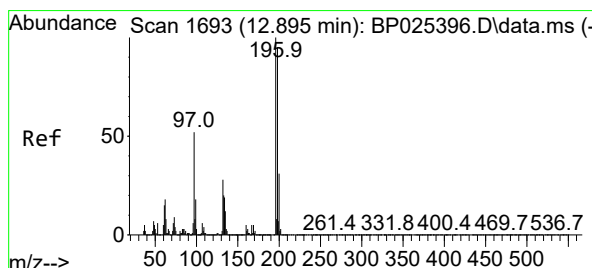
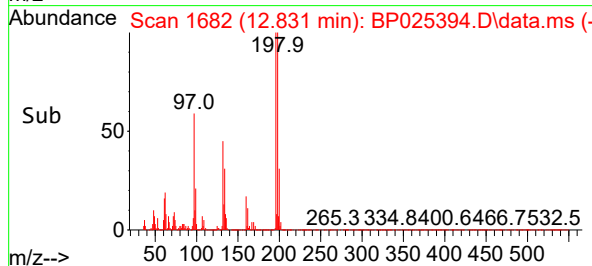
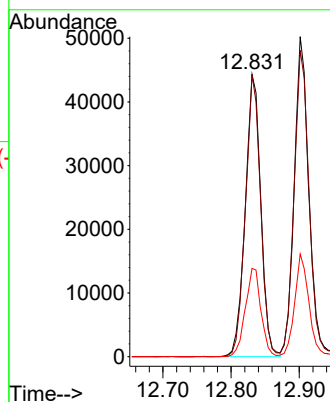
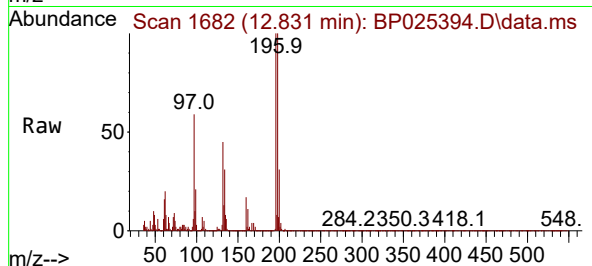
Tgt Ion:	196	Resp:	69780
Ion Ratio	Lower	Upper	
196	100		
198	99.9	77.2	115.8
200	31.3	23.9	35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#44

2,4,5-Trichlorophenol

Concen: 9.006 ng

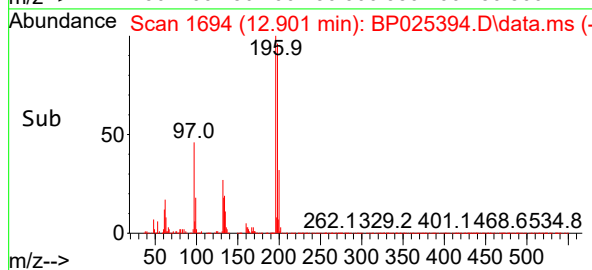
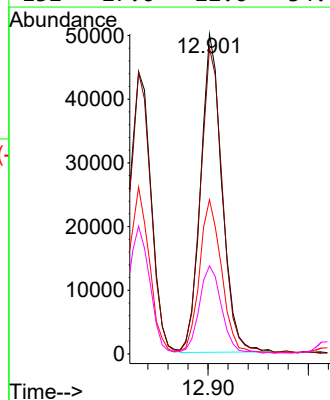
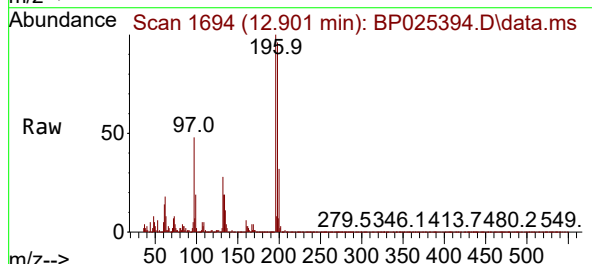
RT: 12.901 min Scan# 1694

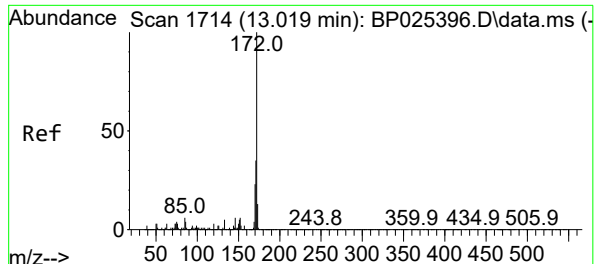
Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

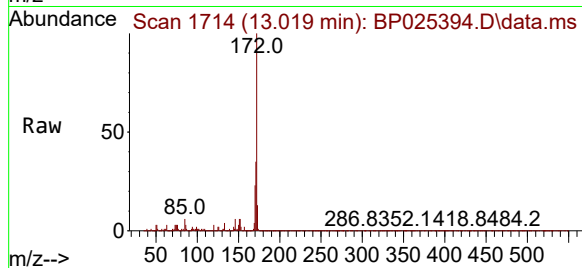
Tgt Ion:	196	Resp:	73744
Ion Ratio	Lower	Upper	
196	100		
198	95.7	76.2	114.2
97	48.2	41.2	61.8
132	27.6	22.6	34.0





#45
2-Fluorobiphenyl
Concen: 20.271 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

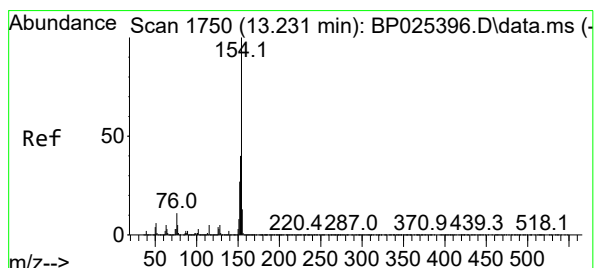
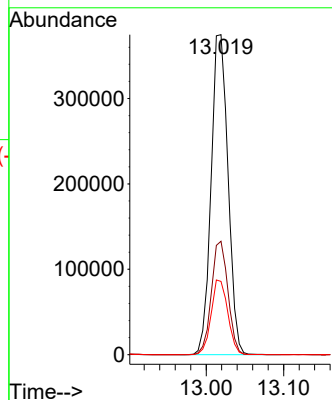
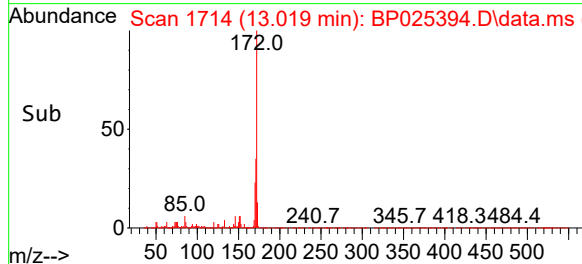
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



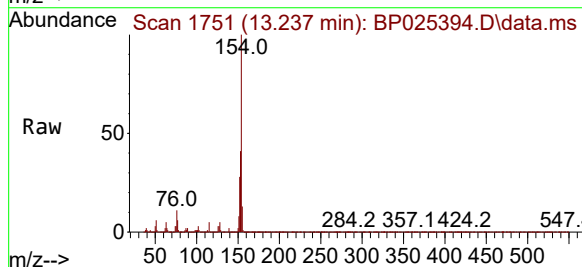
Tgt Ion:172 Resp: 56835
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 22.9 18.6 28.0

Manual Integrations
APPROVED

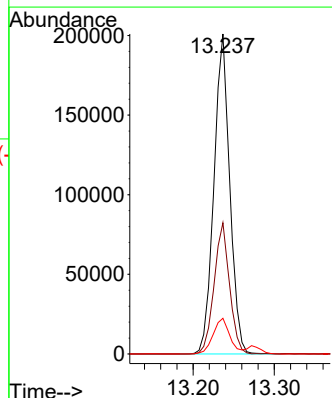
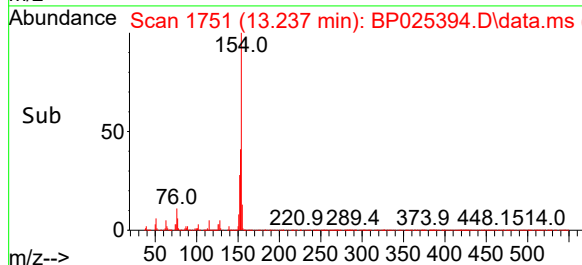
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

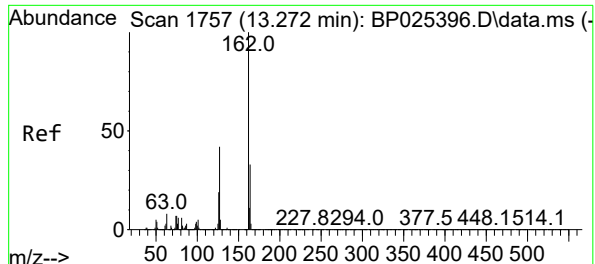


#46
1,1'-Biphenyl
Concen: 9.763 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:154 Resp: 271710
Ion Ratio Lower Upper
154 100
153 41.0 19.5 59.5
76 11.2 0.0 31.1





#47

2-Chloronaphthalene

Concen: 9.666 ng

RT: 13.272 min Scan# 1757

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

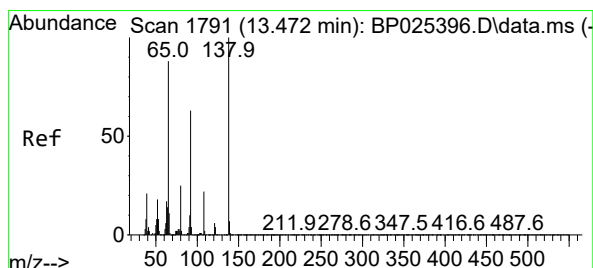
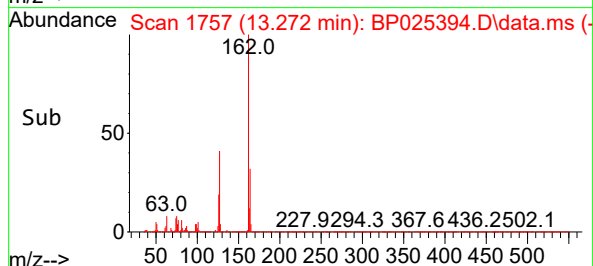
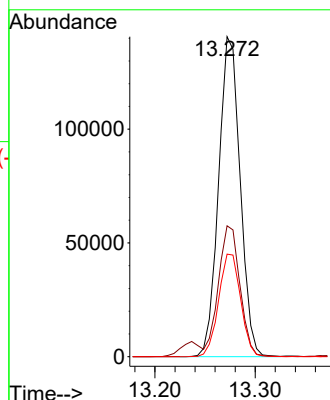
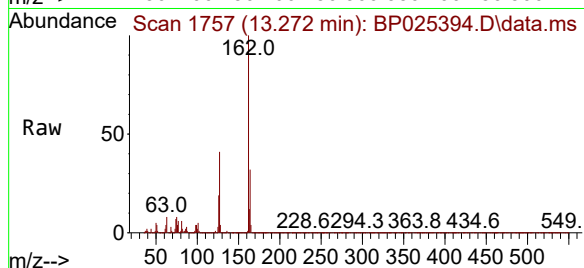
SSTDICC010

Tgt Ion:	162	Resp:	209419
Ion Ratio	Lower	Upper	
162	100		
127	40.9	33.4	50.2
164	32.0	26.2	39.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#48

2-Nitroaniline

Concen: 9.287 ng

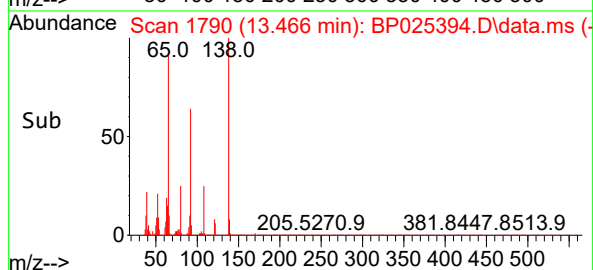
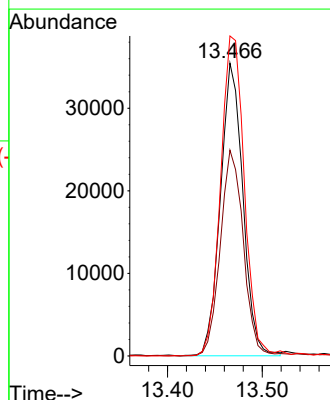
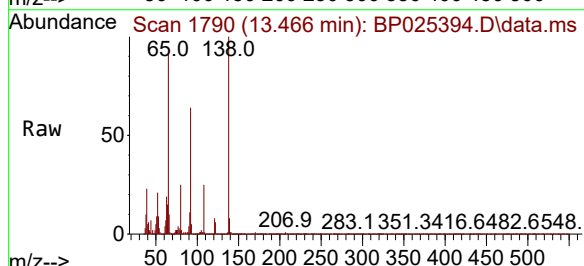
RT: 13.466 min Scan# 1790

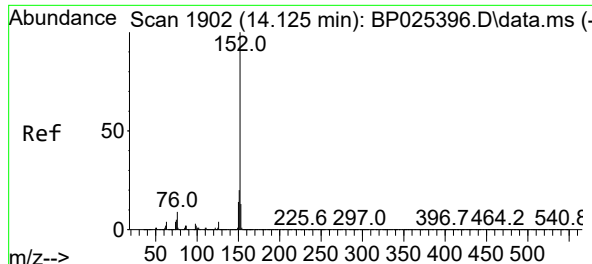
Delta R.T. -0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Tgt Ion:	65	Resp:	58630
Ion Ratio	Lower	Upper	
65	100		
92	70.3	57.6	86.4
138	109.3	91.0	136.6





#49

Acenaphthylene

Concen: 9.652 ng

RT: 14.119 min Scan# 1902

Delta R.T. -0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

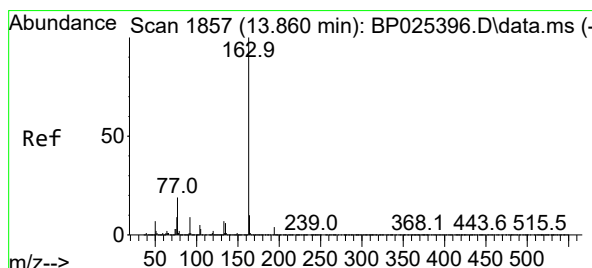
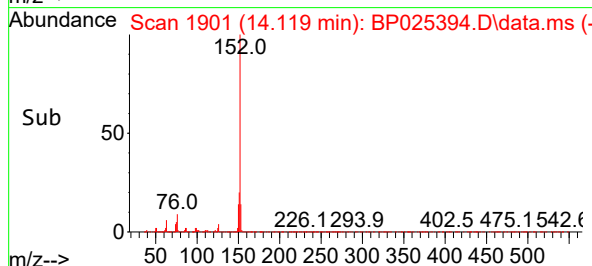
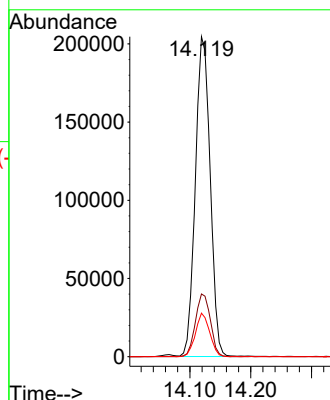
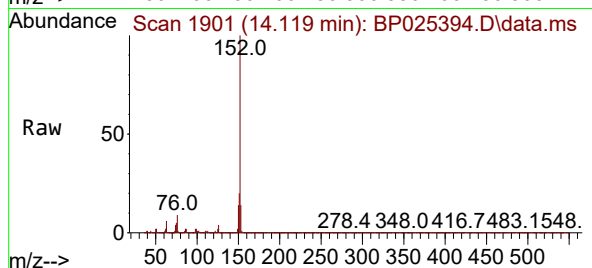
SSTDICC010

Tgt Ion:	152	Resp:	34602
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.0	24.0
153	13.6	10.6	15.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#50

Dimethylphthalate

Concen: 9.896 ng

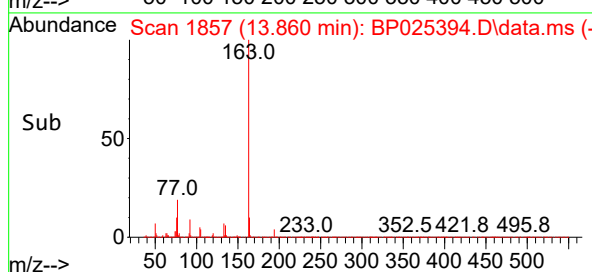
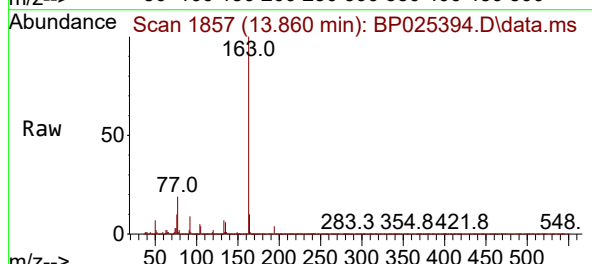
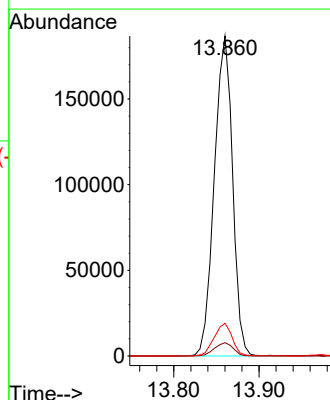
RT: 13.860 min Scan# 1857

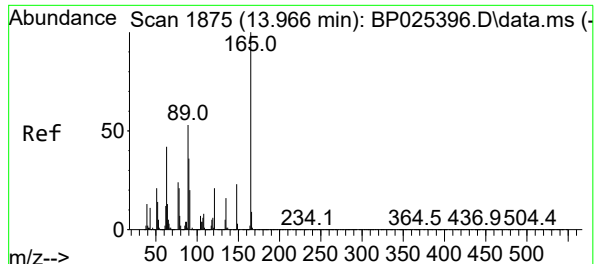
Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

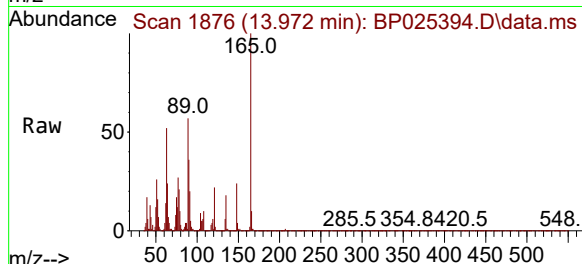
Tgt Ion:	163	Resp:	277701
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 9.292 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

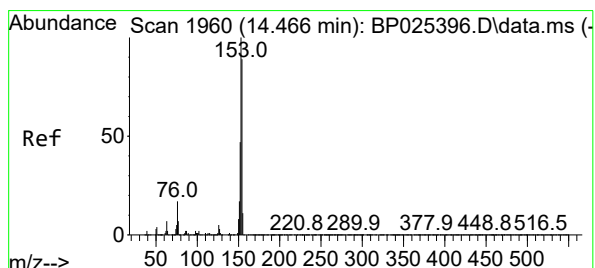
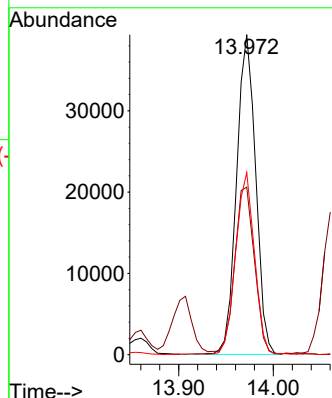
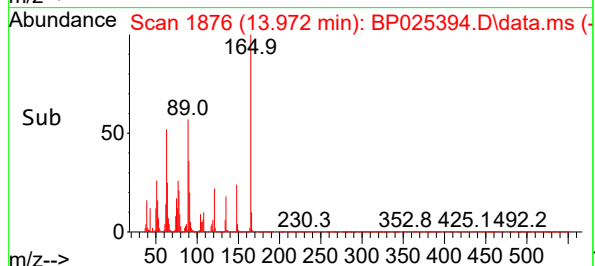
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 5495
Ion Ratio Lower Upper
165 100
63 52.3 40.9 61.3
89 56.9 42.1 63.1

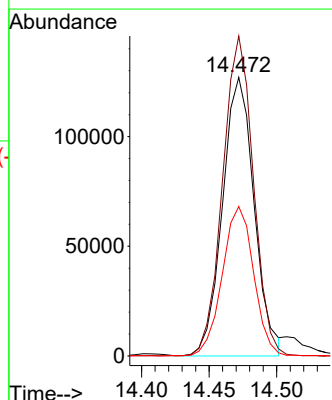
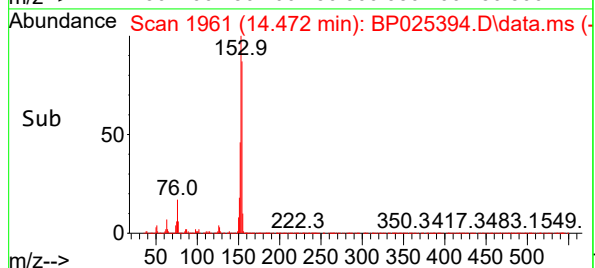
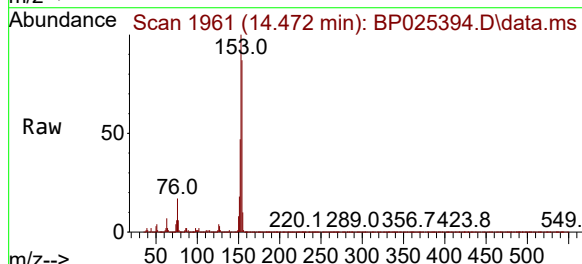
Manual Integrations
APPROVED

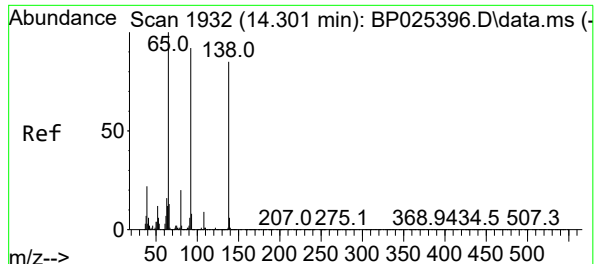
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#52
Acenaphthene
Concen: 9.848 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

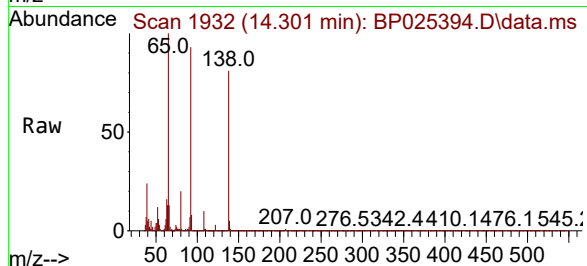
Tgt Ion:154 Resp: 207239
Ion Ratio Lower Upper
154 100
153 114.8 90.2 135.2
152 53.6 42.1 63.1





#53
3-Nitroaniline
Concen: 9.466 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

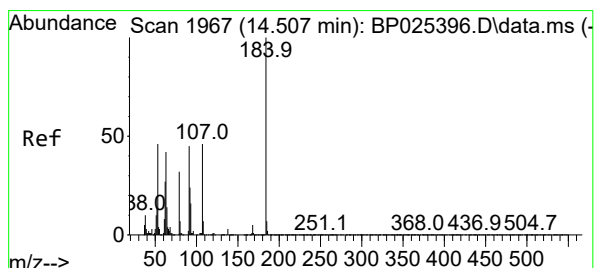
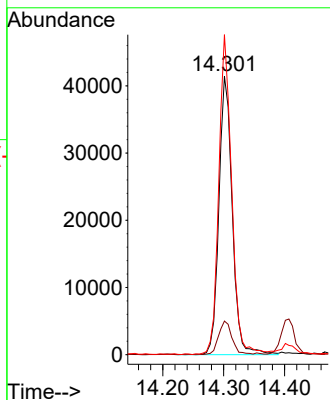
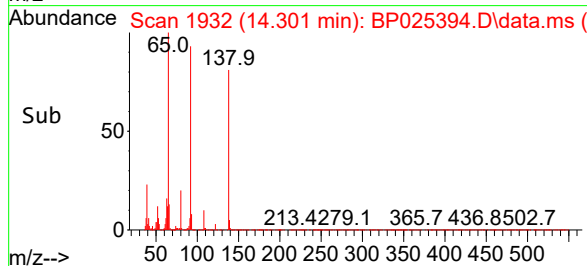
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



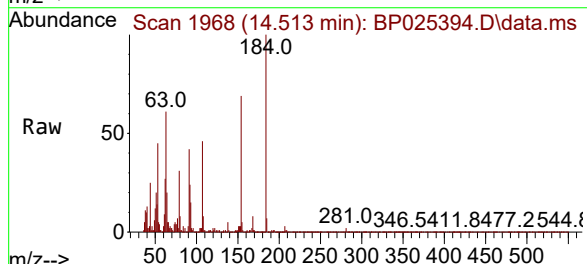
Tgt Ion:138 Resp: 6299
Ion Ratio Lower Upper
138 100
108 12.1 8.3 12.5
92 114.9 86.2 129.2

Manual Integrations
APPROVED

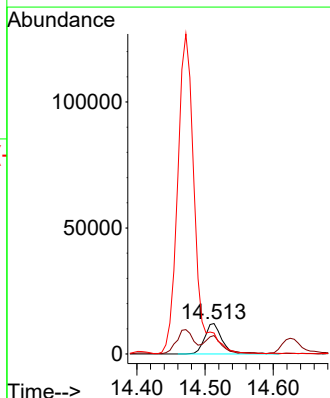
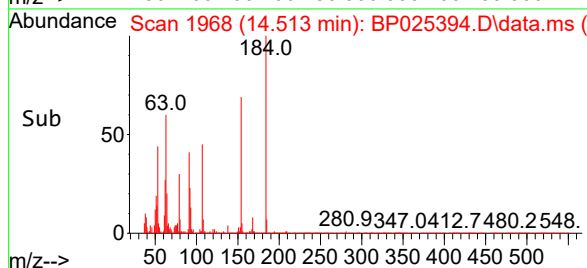
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

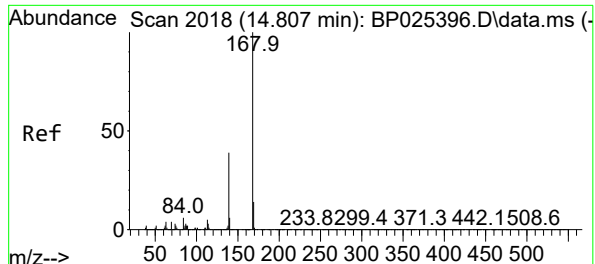


#54
2,4-Dinitrophenol
Concen: 6.886 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:184 Resp: 21748
Ion Ratio Lower Upper
184 100
63 60.8 49.4 74.2
154 69.1 54.6 82.0





#55

Dibenzenofuran

Concen: 9.851 ng

RT: 14.807 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

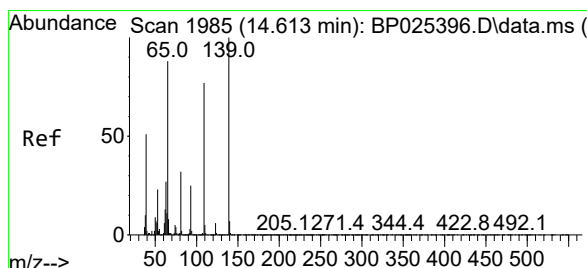
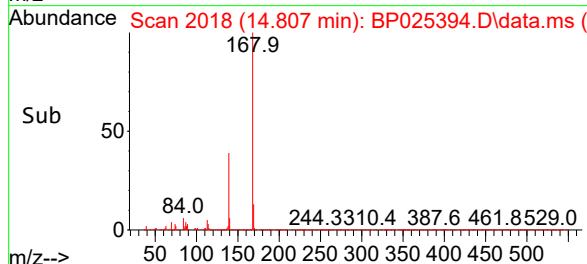
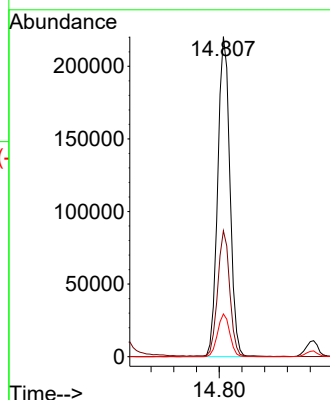
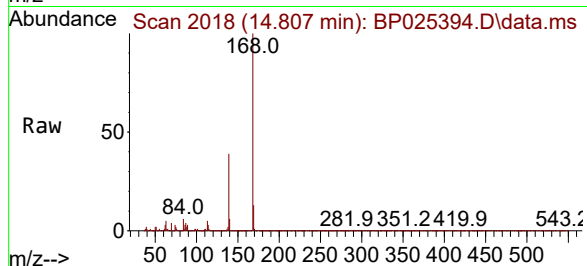
SSTDICC010

Tgt Ion:	168	Resp:	327734
Ion Ratio	Lower	Upper	
168	100		
139	39.3	31.5	47.3
169	13.4	10.9	16.3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#56

4-Nitrophenol

Concen: 8.797 ng

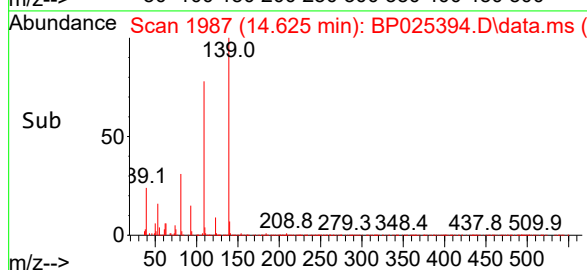
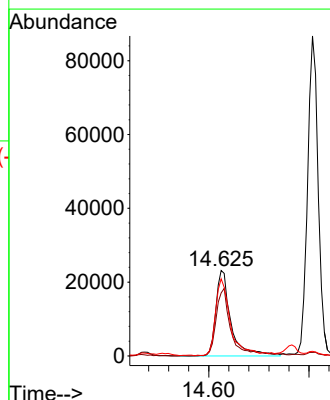
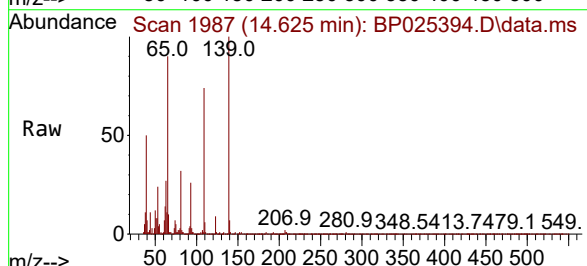
RT: 14.625 min Scan# 1987

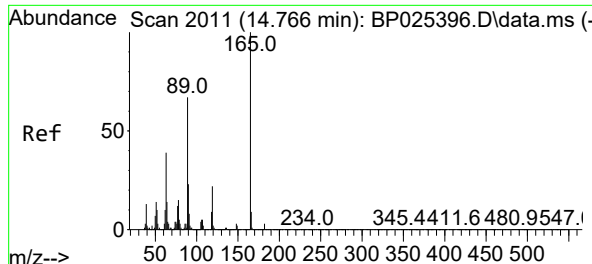
Delta R.T. 0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

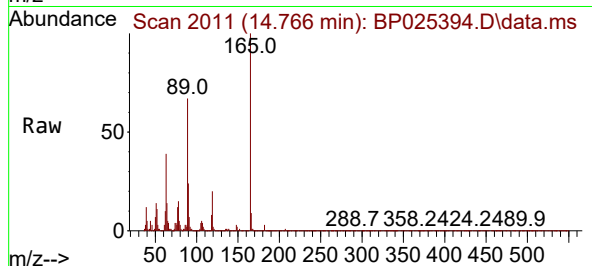
Tgt Ion:	139	Resp:	48103
Ion Ratio	Lower	Upper	
139	100		
109	73.8	56.6	96.6
65	90.2	68.2	108.2





#57
2,4-Dinitrotoluene
Concen: 9.237 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

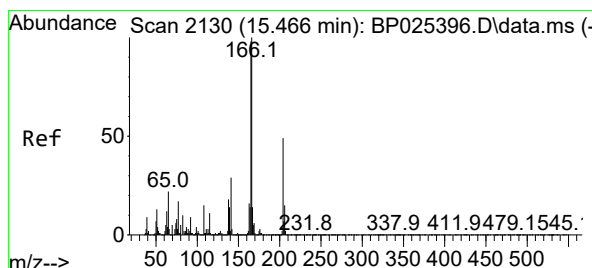
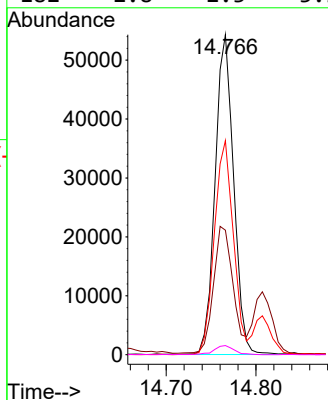
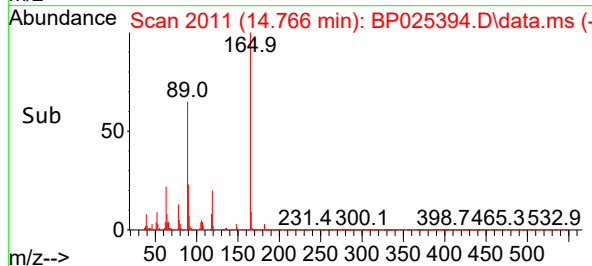
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



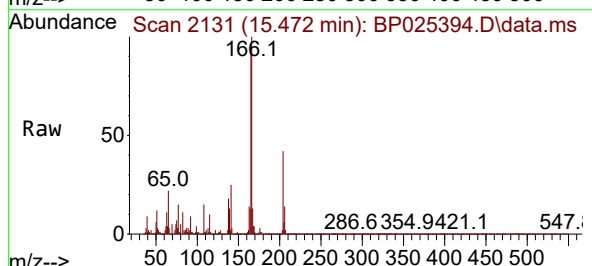
Tgt Ion:165 Resp: 77950
Ion Ratio Lower Upper
165 100
63 38.9 31.4 47.2
89 66.9 53.3 79.9
182 2.8 2.3 3.5

Manual Integrations
APPROVED

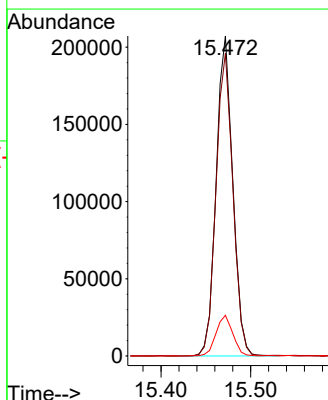
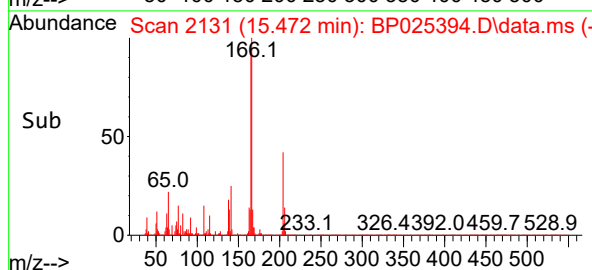
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

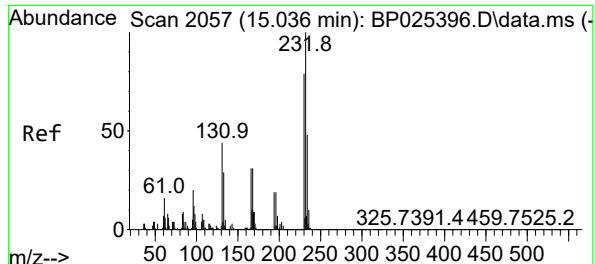


#58
Fluorene
Concen: 10.156 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:166 Resp: 266610
Ion Ratio Lower Upper
166 100
165 94.6 78.8 118.2
167 12.7 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.533 ng

RT: 15.042 min Scan# 2058

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:232 Resp: 6893

Ion Ratio Lower Upper

232 100

131 45.2 37.0 55.6

130 2.5 1.9 2.9

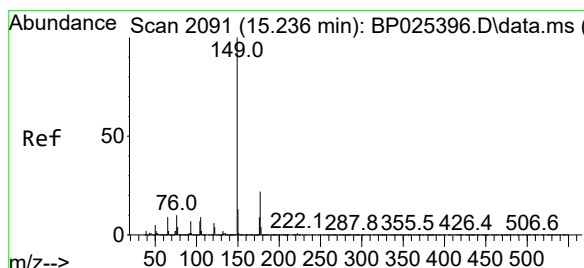
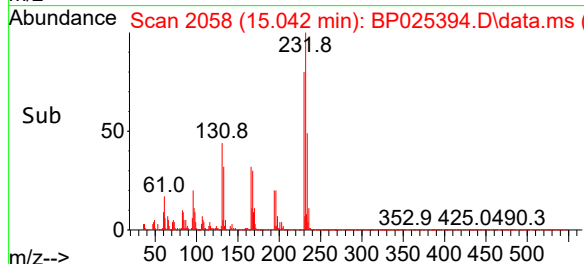
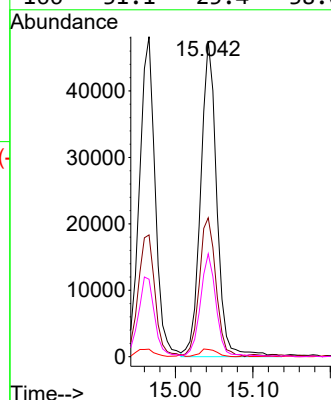
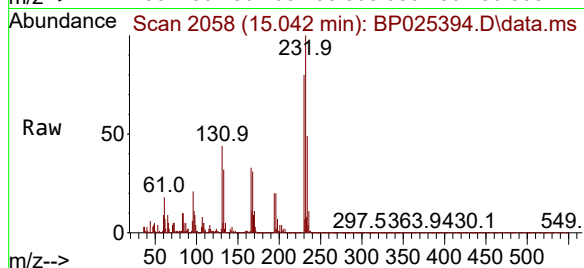
166 31.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#60

Diethylphthalate

Concen: 9.909 ng

RT: 15.242 min Scan# 2092

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

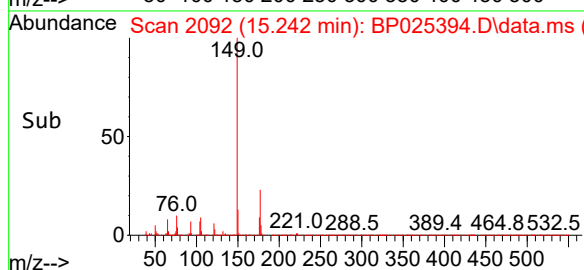
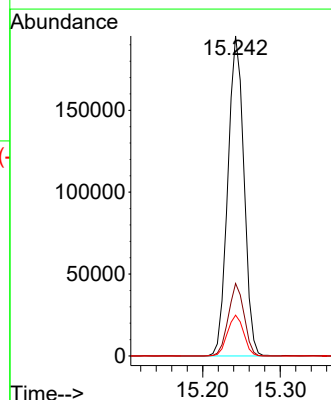
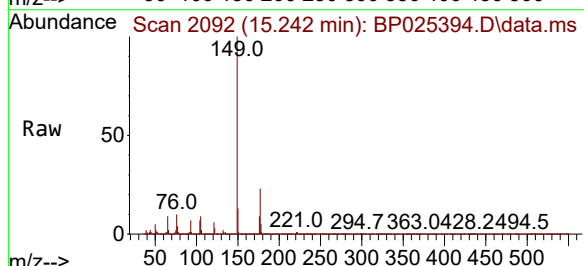
Tgt Ion:149 Resp: 282526

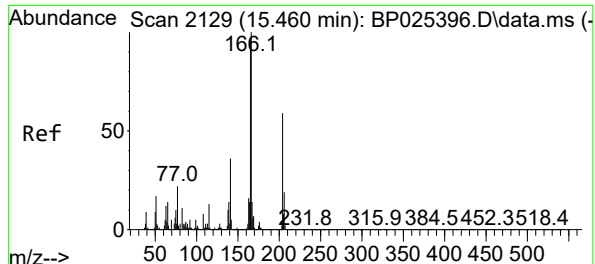
Ion Ratio Lower Upper

149 100

177 22.7 17.3 25.9

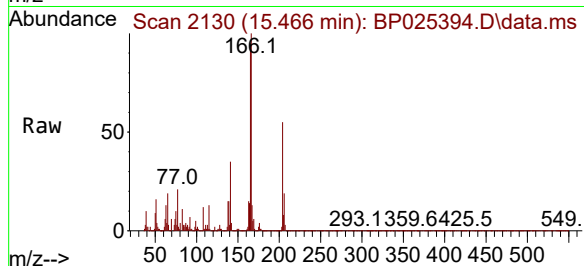
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 10.044 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

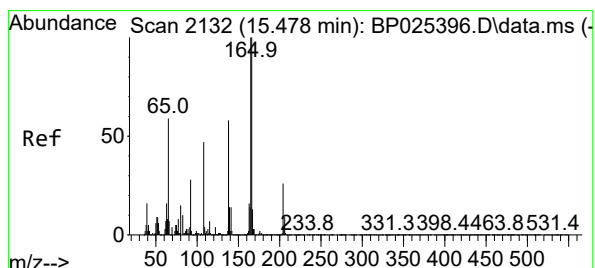
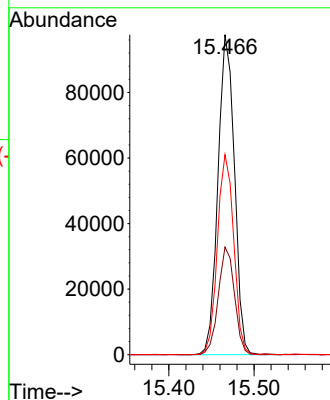
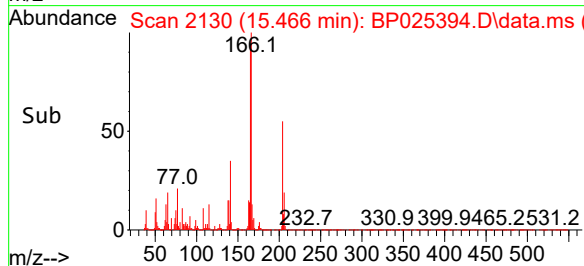
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:204 Resp: 13113
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 62.5 49.4 74.2

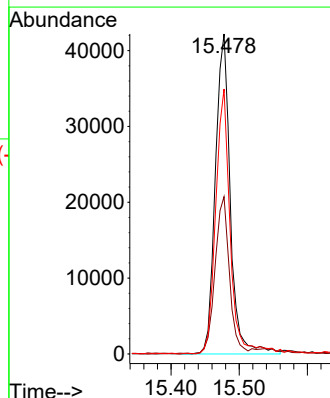
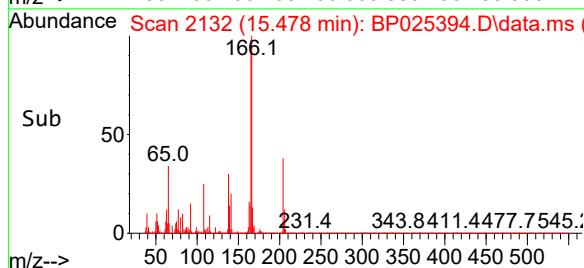
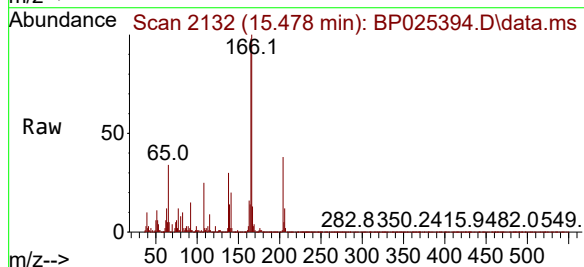
Manual Integrations
APPROVED

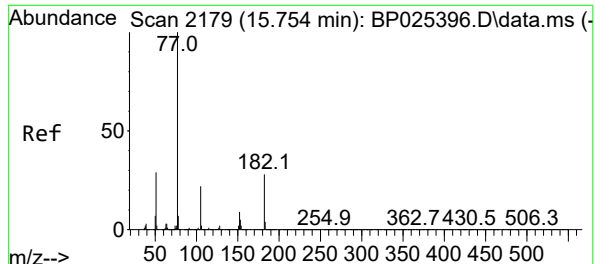
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#62
4-Nitroaniline
Concen: 9.437 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

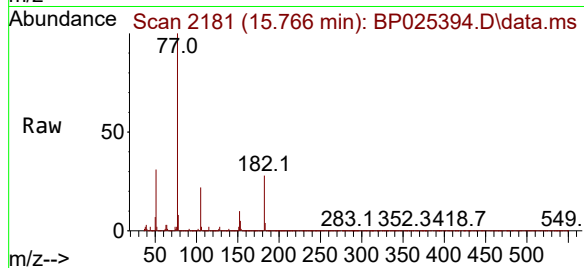
Tgt Ion:138 Resp: 64375
Ion Ratio Lower Upper
138 100
92 49.1 29.1 69.1
108 82.8 61.5 101.5





#63
Azobenzene
Concen: 9.620 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

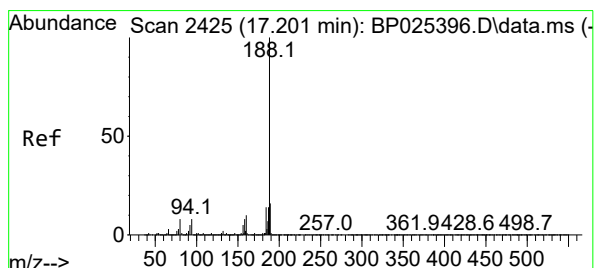
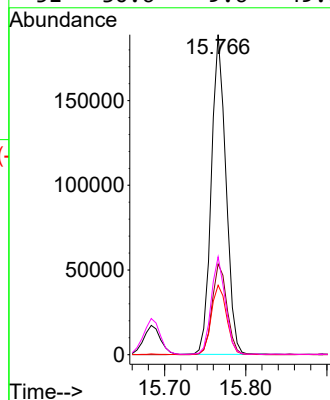
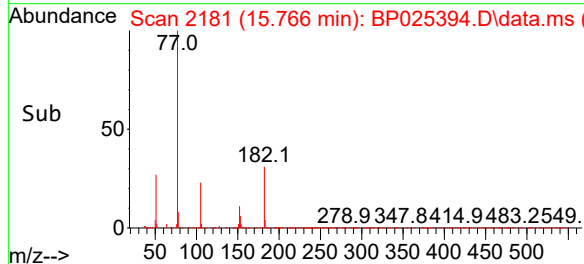
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



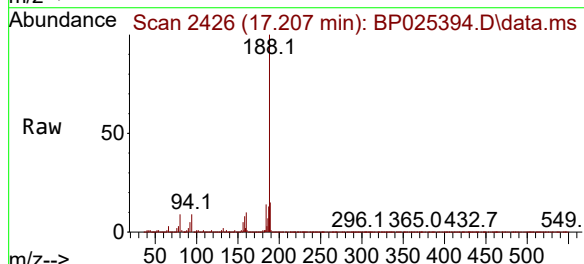
Tgt Ion: 77 Resp: 234879
Ion Ratio Lower Upper
77 100
182 28.3 7.5 47.5
105 21.7 2.1 42.1
51 30.6 9.6 49.6

Manual Integrations
APPROVED

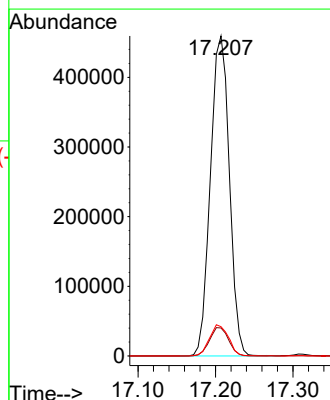
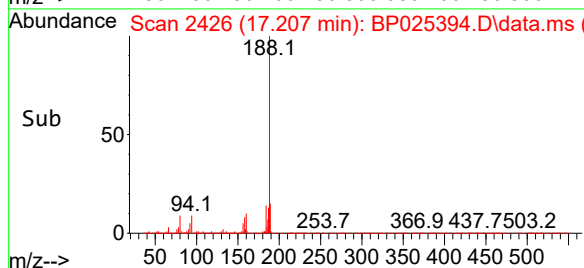
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

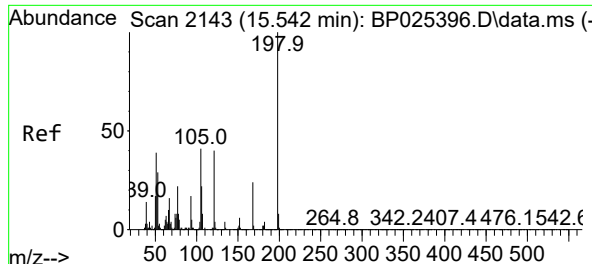


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:188 Resp: 780940
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.1 6.7 10.1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.679 ng

RT: 15.542 min Scan# 2143

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

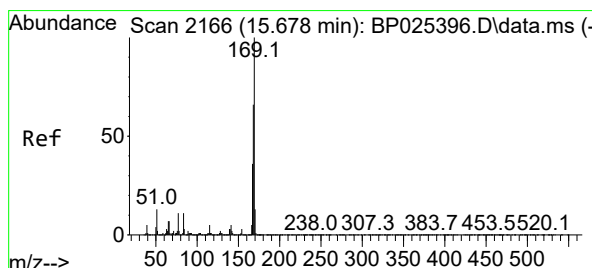
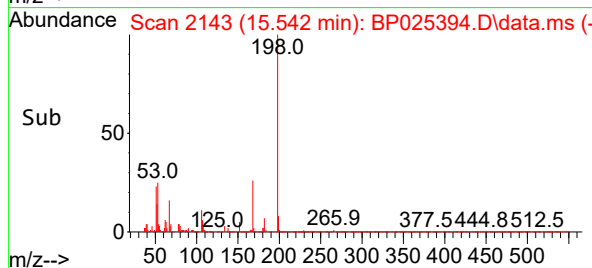
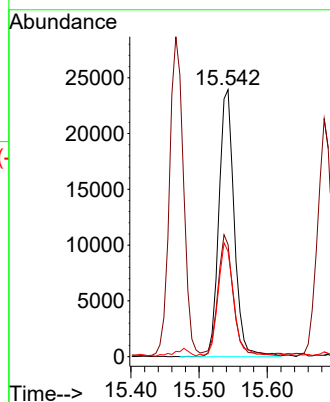
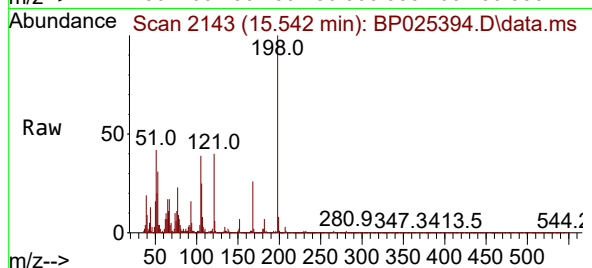
SSTDICC010

Tgt Ion:	198	Resp:	37380
Ion Ratio	Lower	Upper	
198	100		
51	42.0	19.6	59.6
105	39.4	20.9	60.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#66

n-Nitrosodiphenylamine

Concen: 9.883 ng

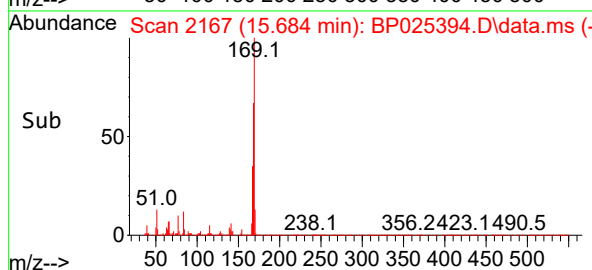
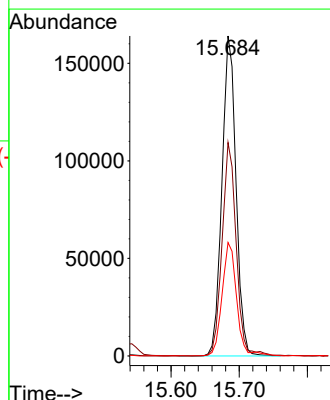
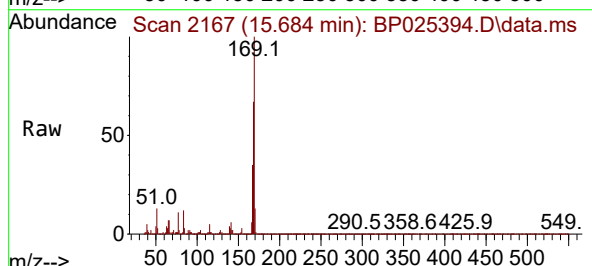
RT: 15.684 min Scan# 2167

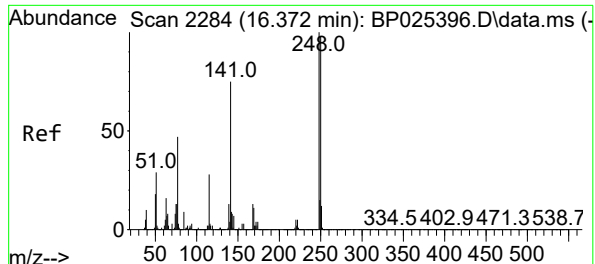
Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

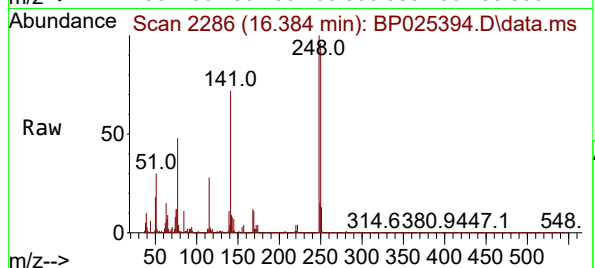
Tgt Ion:	169	Resp:	235344
Ion Ratio	Lower	Upper	
169	100		
168	66.7	53.2	79.8
167	35.5	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 9.358 ng
RT: 16.384 min Scan# 2286
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

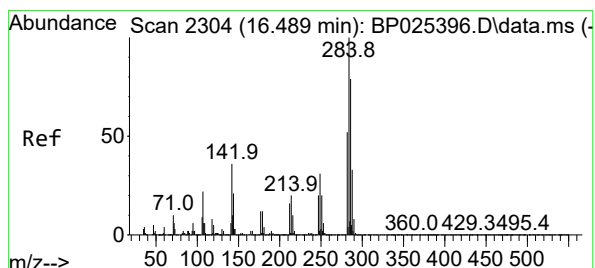
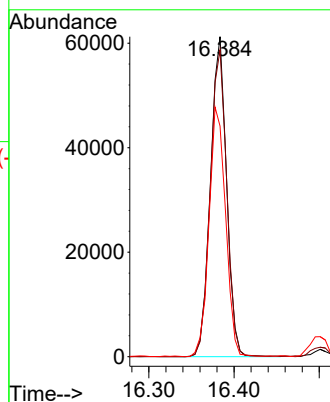
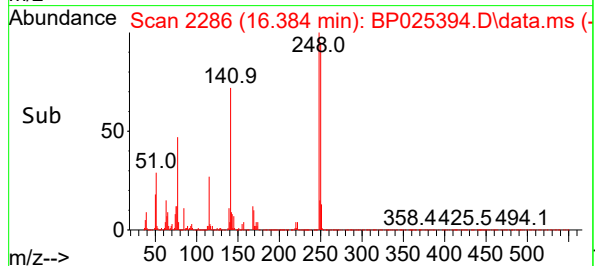
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion: 248 Resp: 8037
Ion Ratio Lower Upper
248 100
250 95.9 78.2 117.2
141 72.1 59.6 89.4

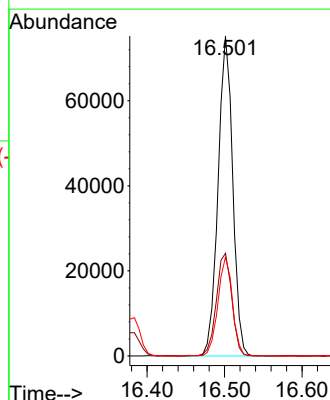
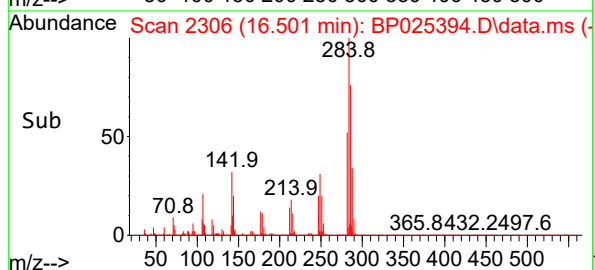
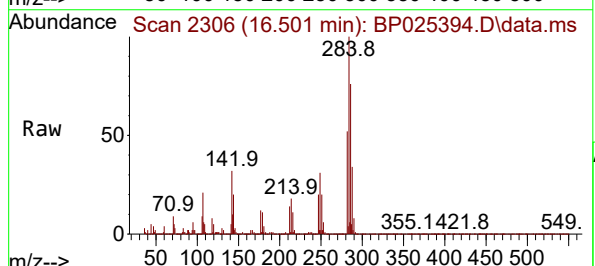
Manual Integrations
APPROVED

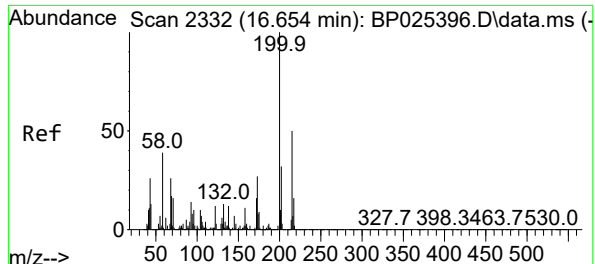
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#68
Hexachlorobenzene
Concen: 9.905 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

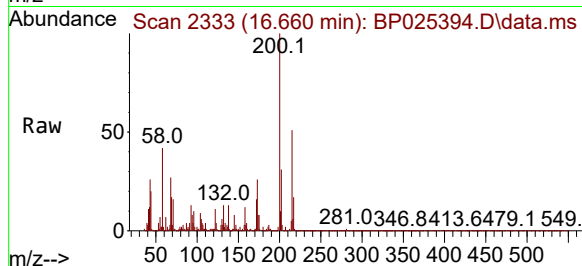
Tgt Ion: 284 Resp: 98614
Ion Ratio Lower Upper
284 100
142 32.1 29.1 43.7
249 30.8 25.0 37.4





#69
Atrazine
Concen: 9.894 ng
RT: 16.660 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

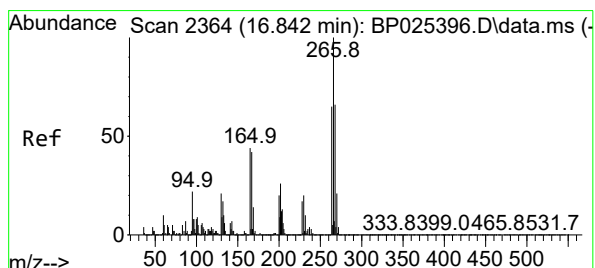
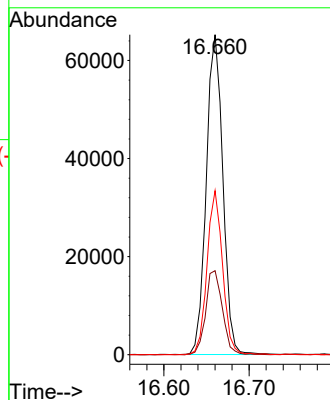
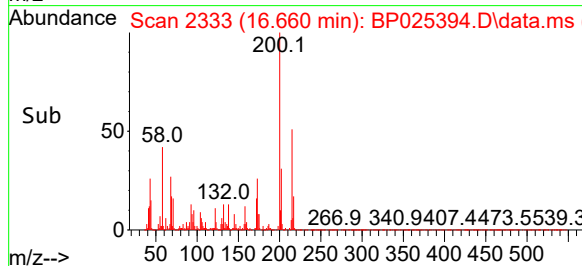
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



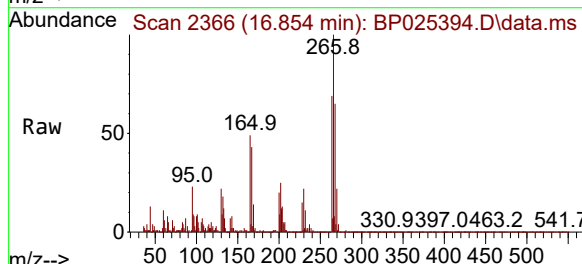
Tgt Ion: 200 Resp: 88240
Ion Ratio Lower Upper
200 100
173 26.2 6.7 46.7
215 51.3 29.7 69.7

Manual Integrations
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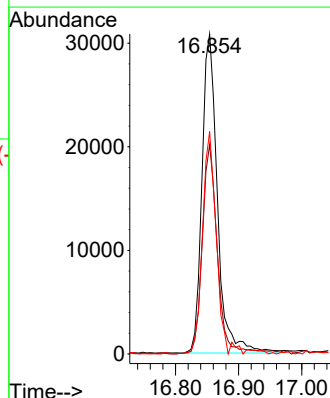
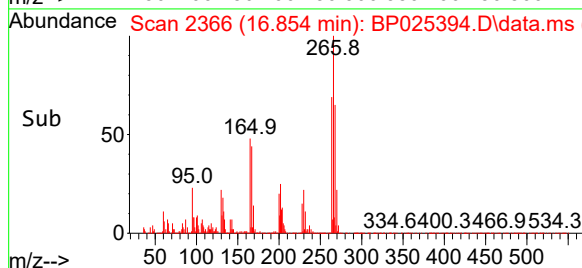
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

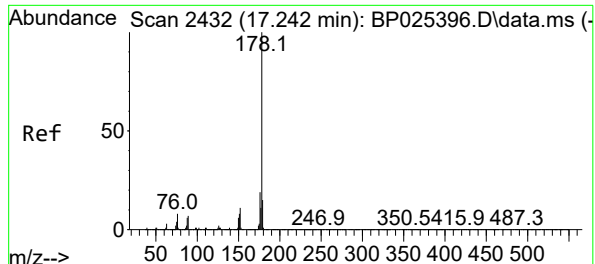


#70
Pentachlorophenol
Concen: 8.360 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



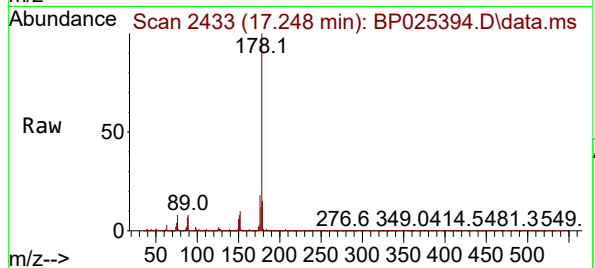
Tgt Ion: 266 Resp: 52539
Ion Ratio Lower Upper
266 100
268 65.4 52.6 79.0
264 69.5 52.0 78.0





#71
Phenanthrene
Concen: 10.018 ng
RT: 17.248 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

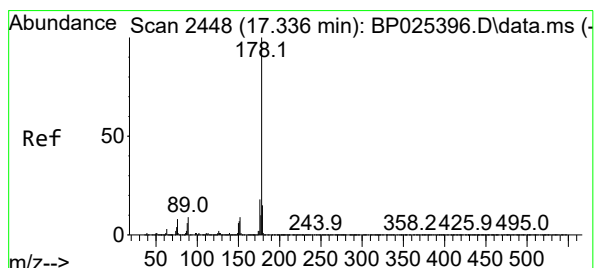
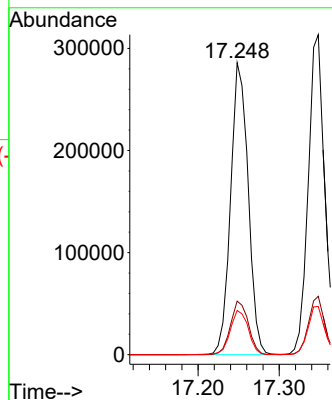
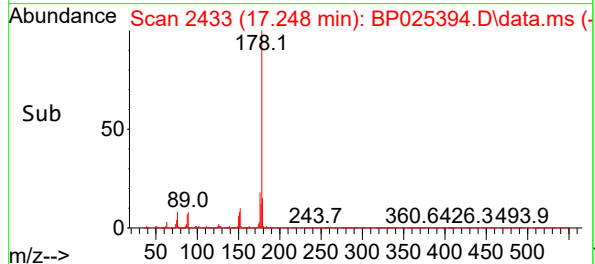
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



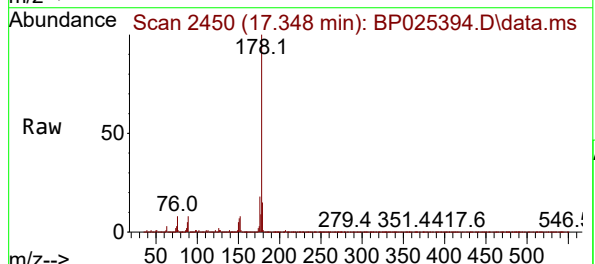
Tgt Ion:178 Resp: 429752
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.1 12.2 18.4

Manual Integrations
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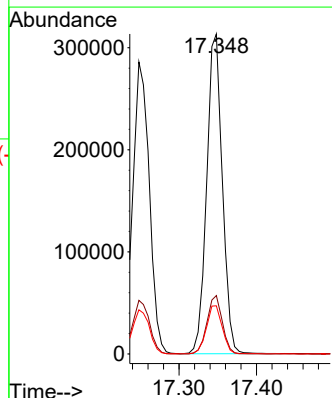
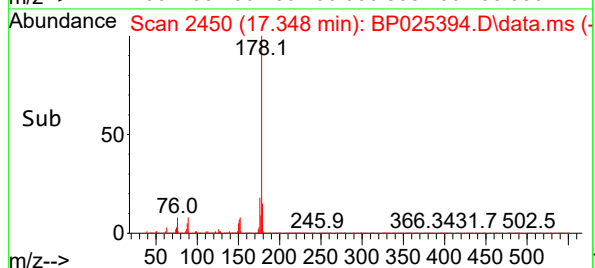
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

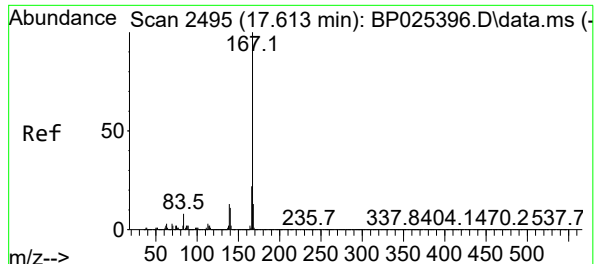


#72
Anthracene
Concen: 10.020 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



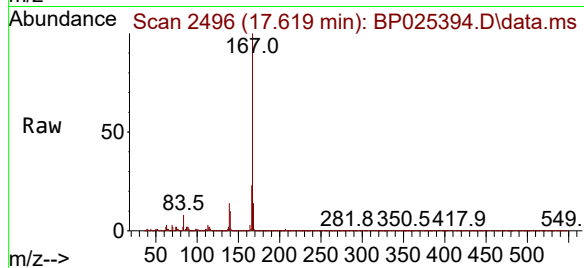
Tgt Ion:178 Resp: 438953
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.1 12.2 18.2





#73
Carbazole
Concen: 9.954 ng
RT: 17.619 min Scan# 2495
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

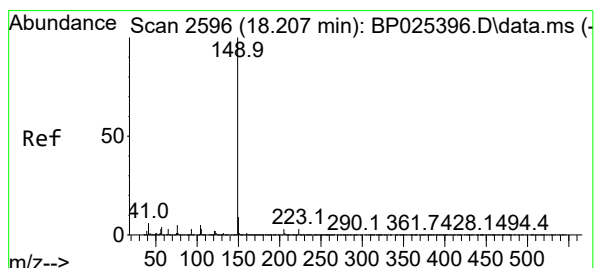
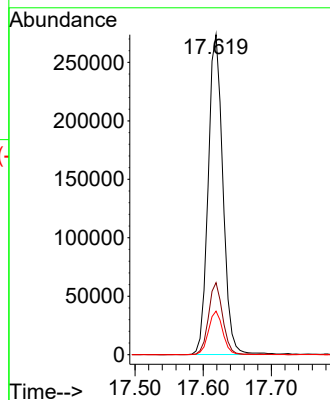
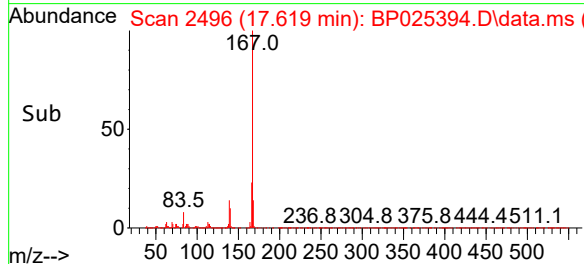
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



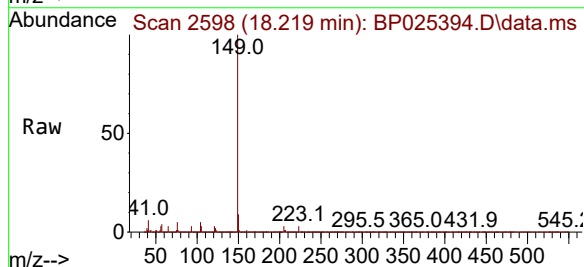
Tgt Ion:167 Resp: 410720
Ion Ratio Lower Upper
167 100
166 22.5 17.5 26.3
139 13.6 10.6 16.0

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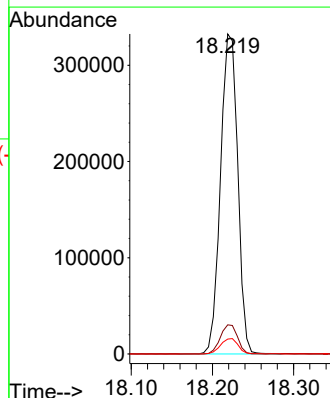
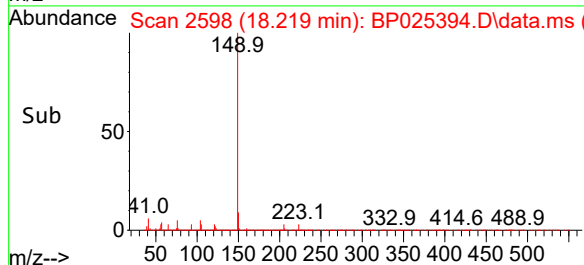
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

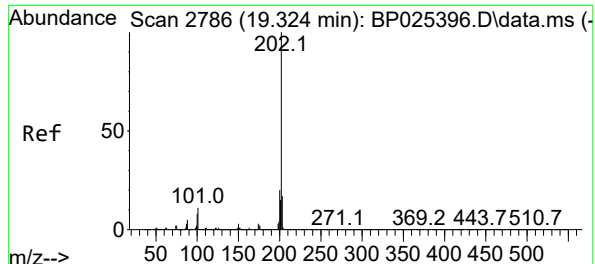


#74
Di-n-butylphthalate
Concen: 9.656 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



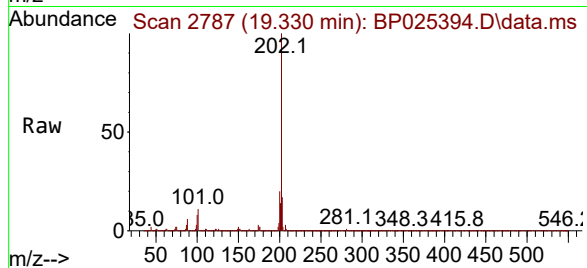
Tgt Ion:149 Resp: 490232
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 4.7 4.2 6.2





#75
Fluoranthene
Concen: 10.094 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

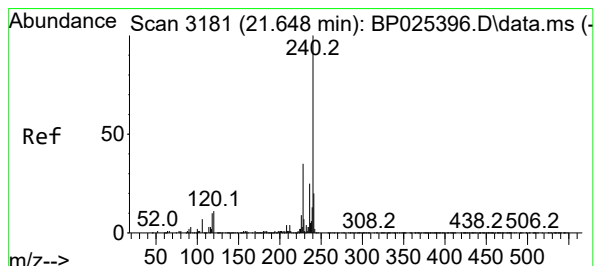
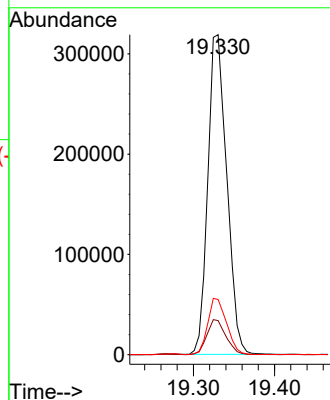
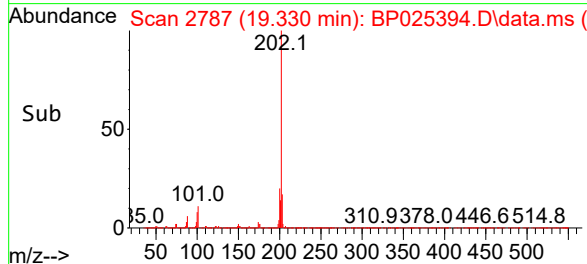
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 51652
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.1
203 17.2 0.0 37.3

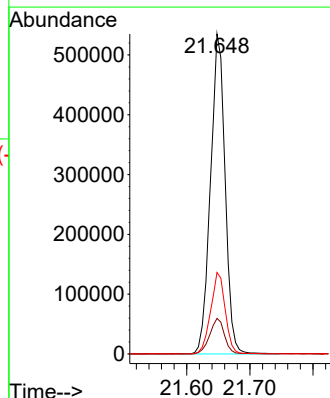
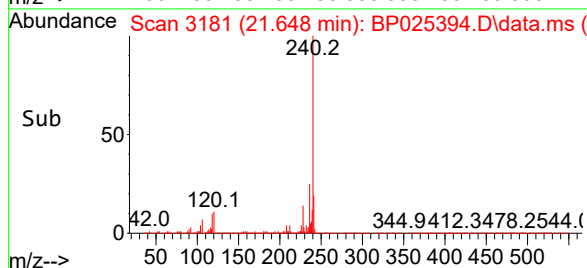
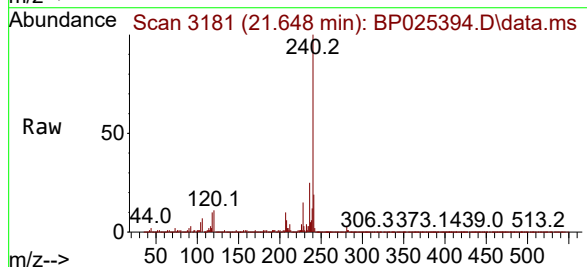
Manual Integrations
APPROVED

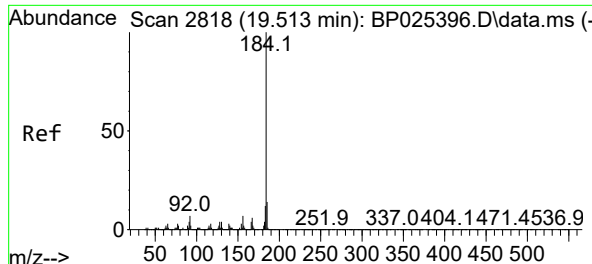
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

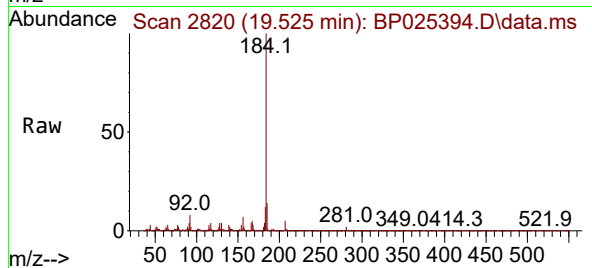
Tgt Ion:240 Resp: 860386
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 25.5 19.8 29.8





#77
Benzidine
Concen: 9.406 ng
RT: 19.525 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

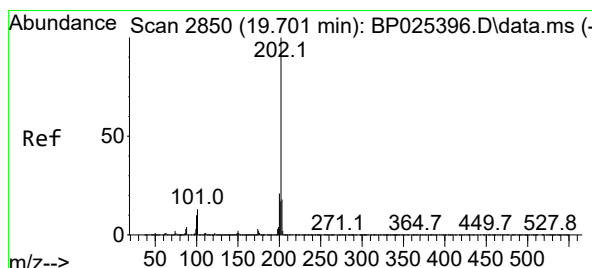
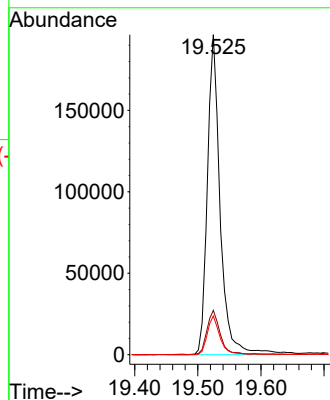
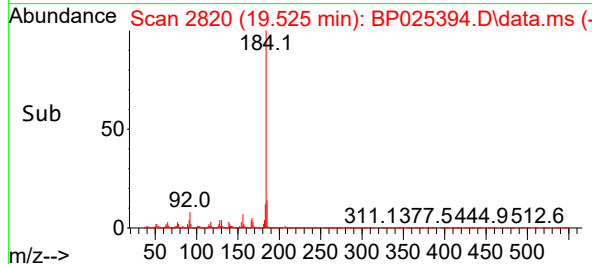
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 27619
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 12.1 9.4 14.2

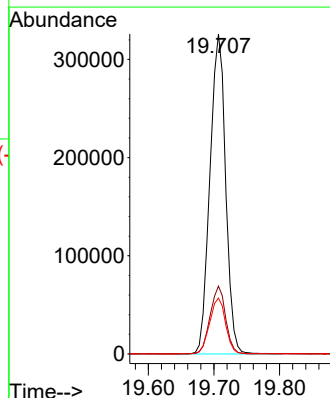
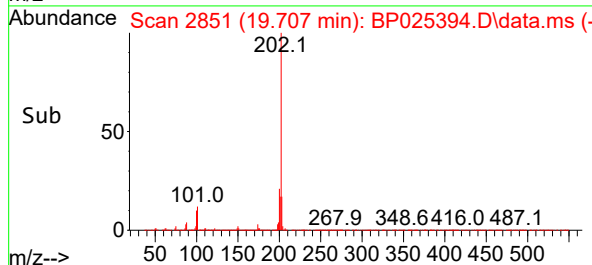
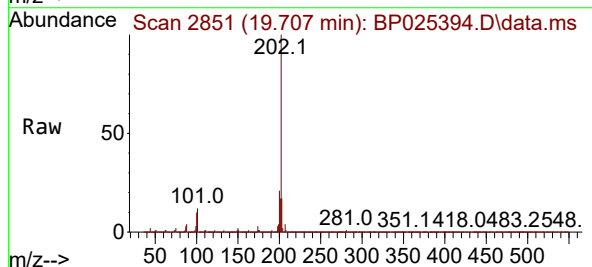
Manual Integrations
APPROVED

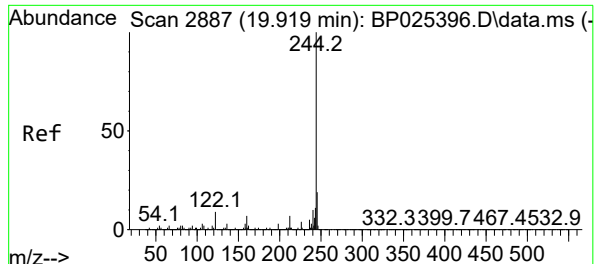
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#78
Pyrene
Concen: 9.704 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:202 Resp: 542670
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.5 14.2 21.2





#79
Terphenyl-d14
Concen: 20.125 ng
RT: 19.924 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

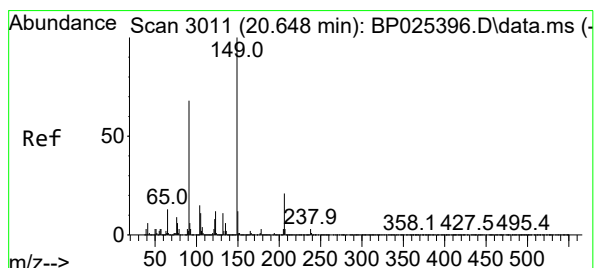
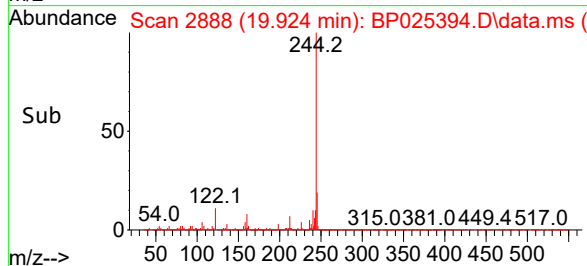
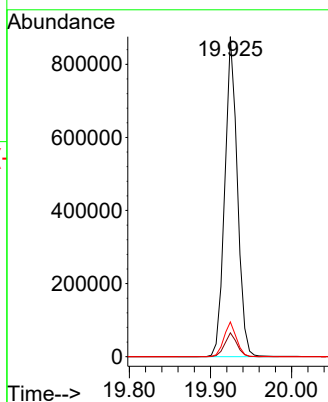
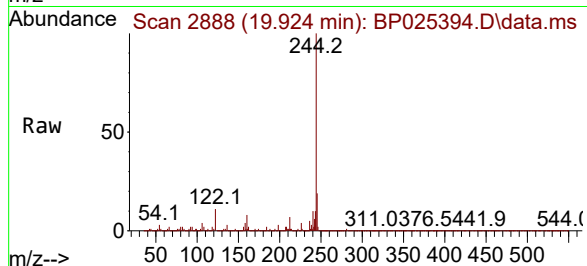
ClientSampleId :

SSTDICC010

Tgt Ion:244 Resp: 94642
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 10.9 7.4 11.2

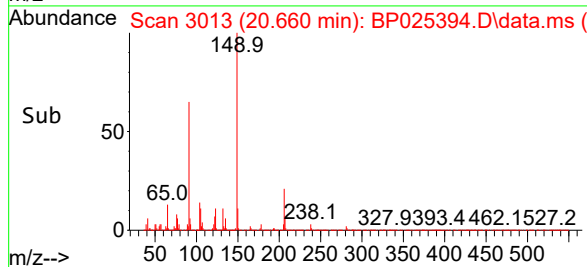
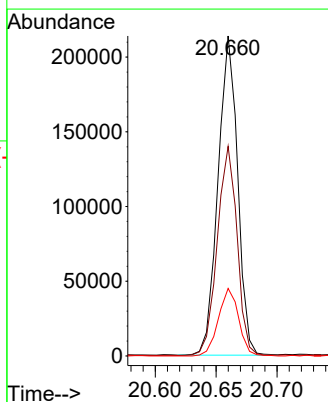
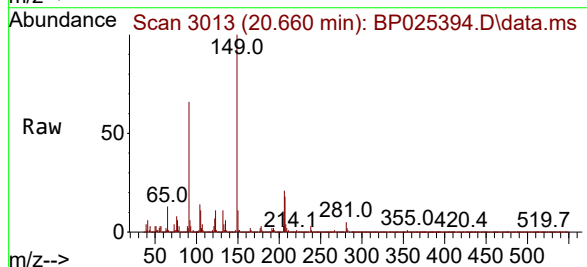
Manual Integrations
APPROVED

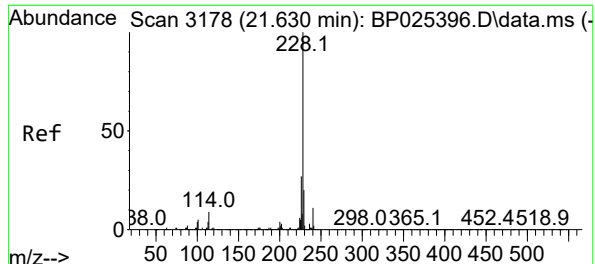
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#80
Butylbenzylphthalate
Concen: 9.446 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

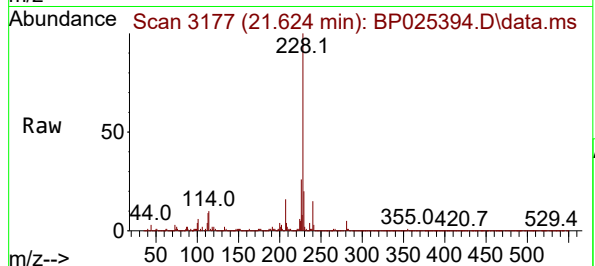
Tgt Ion:149 Resp: 239416
Ion Ratio Lower Upper
149 100
91 65.5 54.2 81.2
206 21.1 16.6 24.8





#81
Benzo(a)anthracene
Concen: 9.874 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

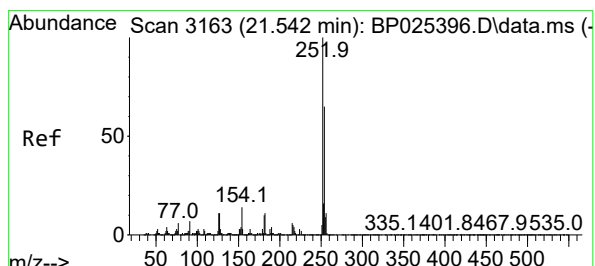
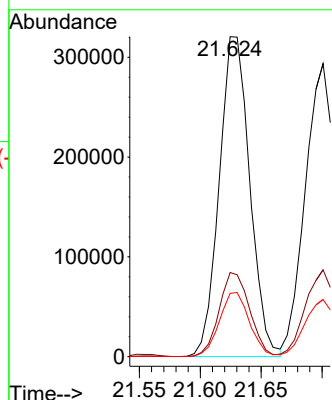
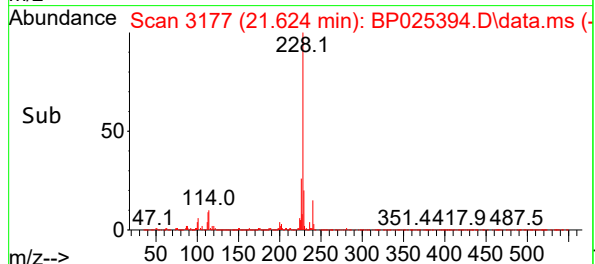
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



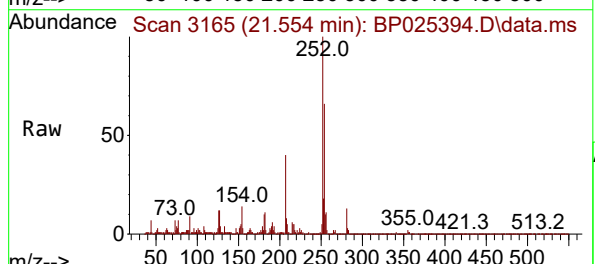
Tgt Ion:228 Resp: 560279
Ion Ratio Lower Upper
228 100
226 26.3 21.7 32.5
229 19.8 15.6 23.4

Manual Integrations
APPROVED

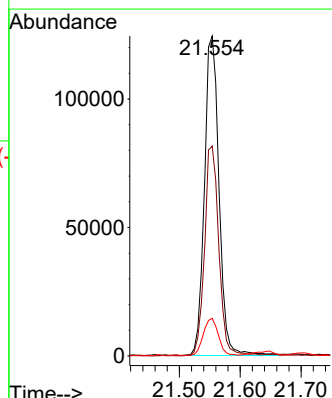
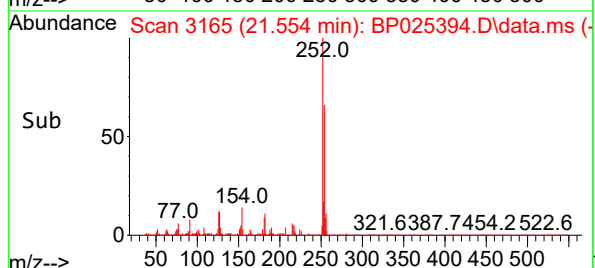
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

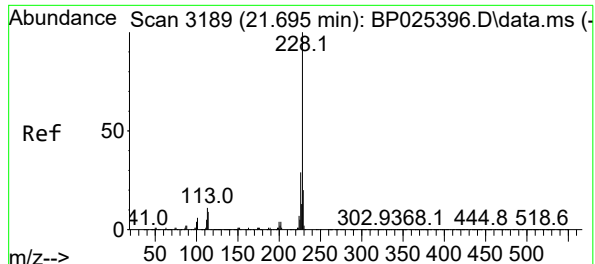


#82
3,3'-Dichlorobenzidine
Concen: 9.686 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:252 Resp: 207153
Ion Ratio Lower Upper
252 100
254 65.6 51.8 77.6
126 11.7 9.1 13.7





#83

Chrysene

Concen: 9.831 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

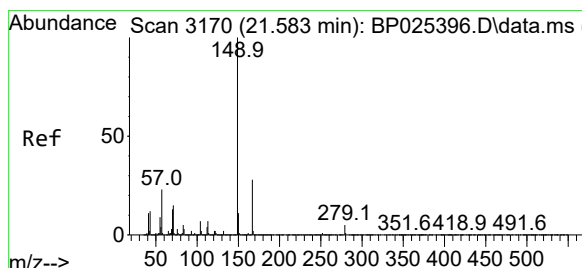
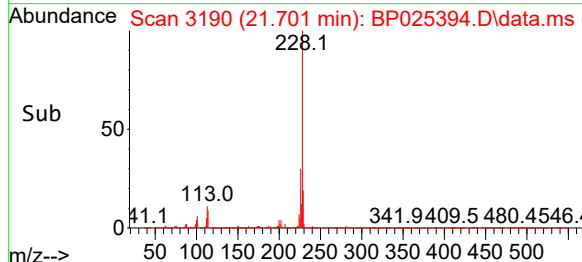
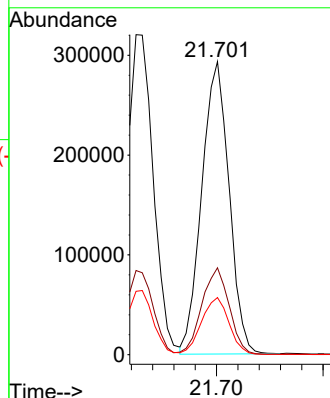
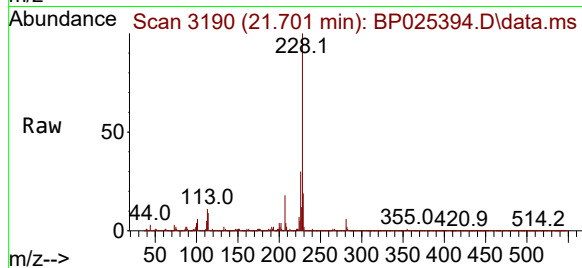
SSTDICC010

Tgt Ion:	228	Resp:	52241
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.2	34.8
229	19.5	15.6	23.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.529 ng

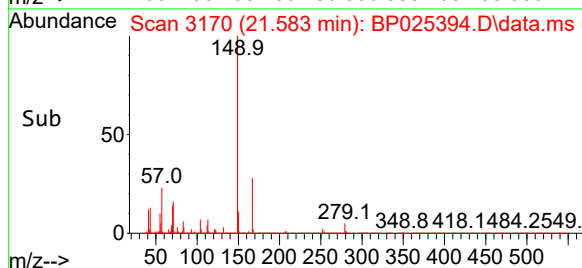
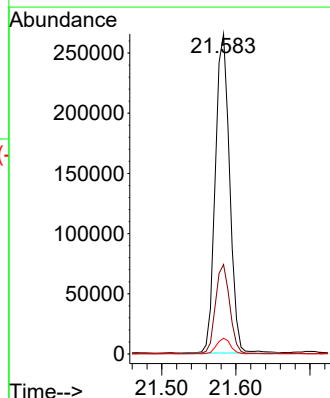
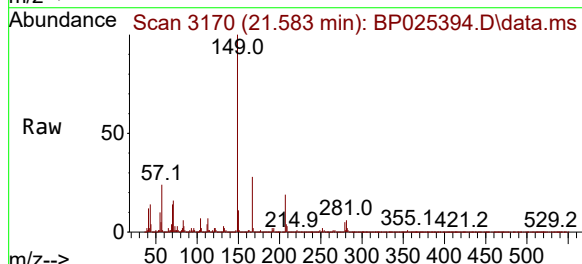
RT: 21.583 min Scan# 3170

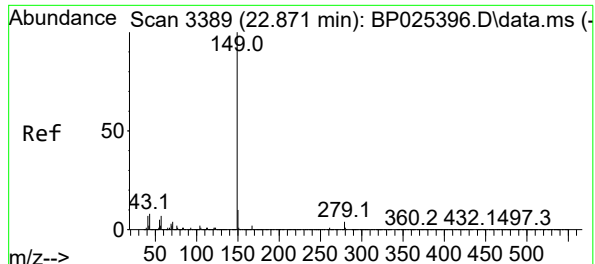
Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

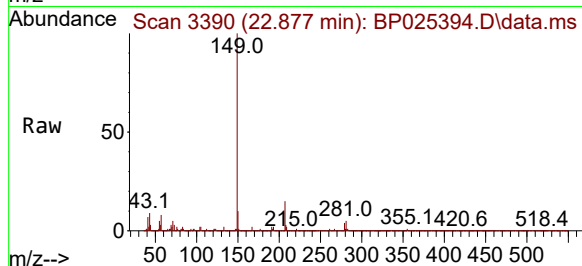
Tgt Ion:	149	Resp:	355530
Ion Ratio	Lower	Upper	
149	100		
167	27.9	22.1	33.1
279	4.9	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 9.259 ng
RT: 22.877 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

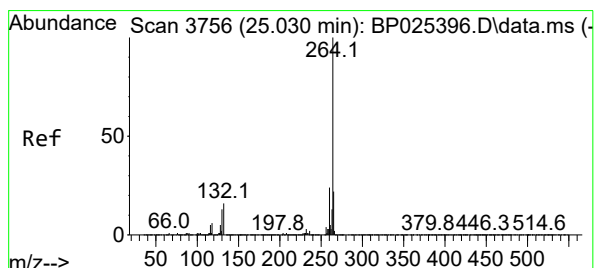
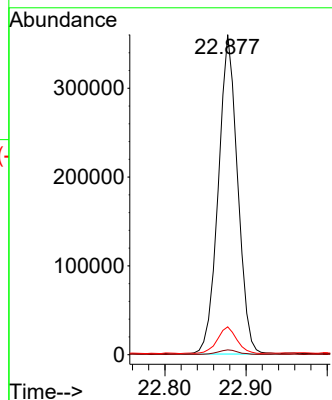
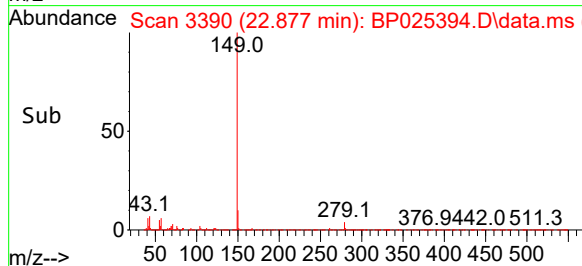
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



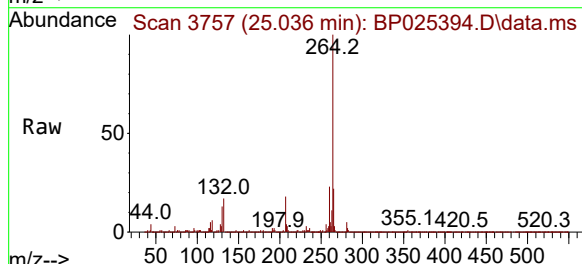
Tgt Ion:149 Resp: 59419
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.4 6.3 9.5

Manual Integrations
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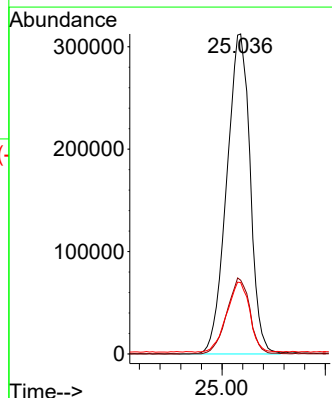
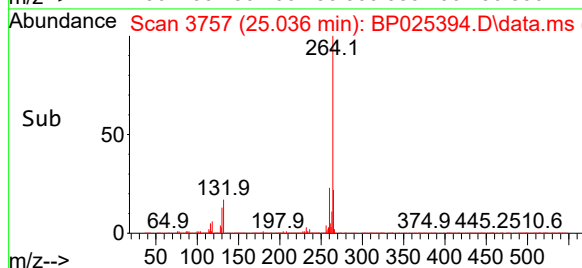
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

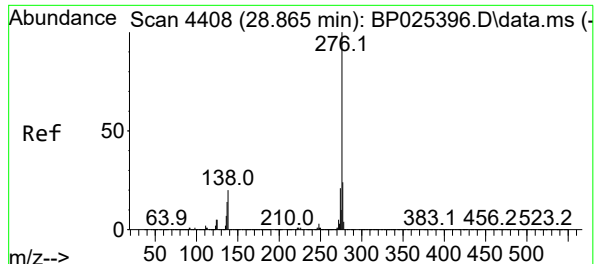


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56



Tgt Ion:264 Resp: 980670
Ion Ratio Lower Upper
264 100
260 23.0 19.3 28.9
265 22.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.438 ng m

RT: 28.853 min Scan# 4408

Delta R.T. -0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:276 Resp: 678980

Ion Ratio Lower Upper

276 100

138 16.7 12.9 19.3

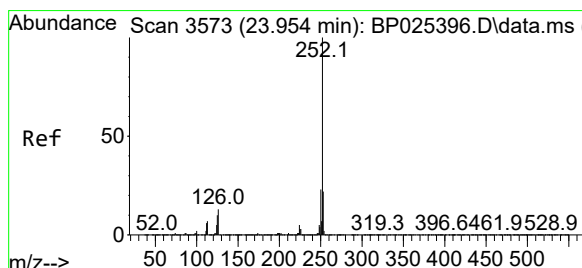
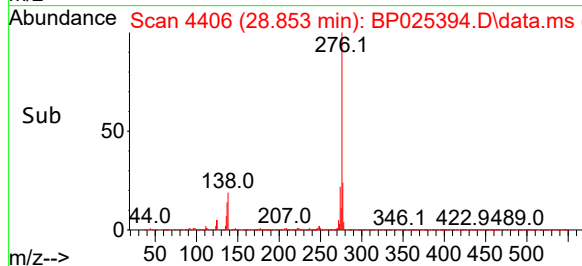
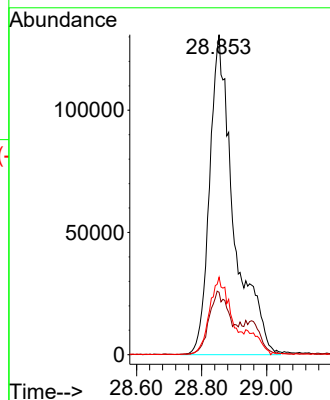
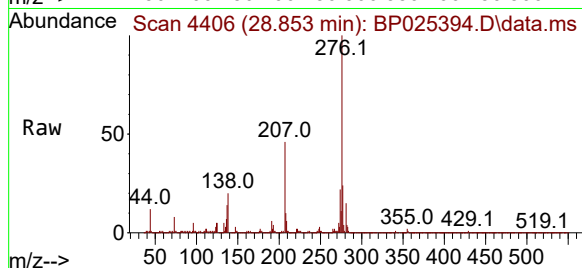
277 21.1 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 9.549 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

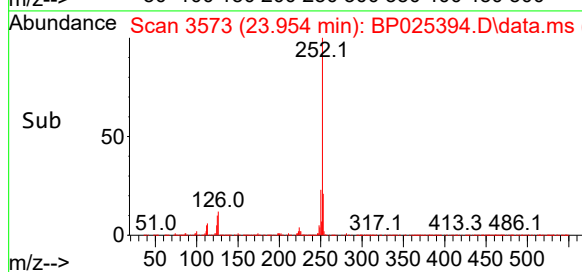
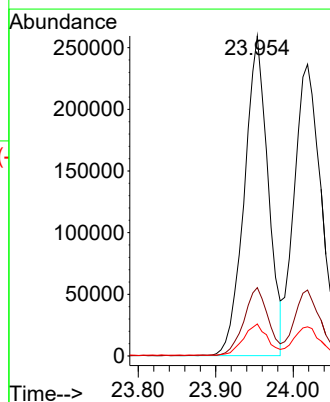
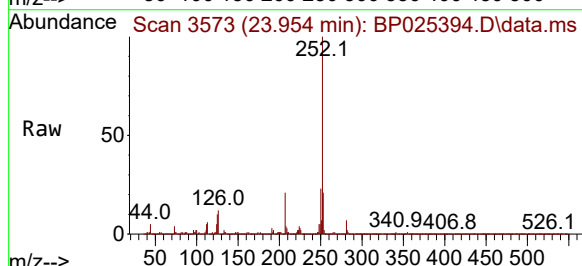
Tgt Ion:252 Resp: 552191

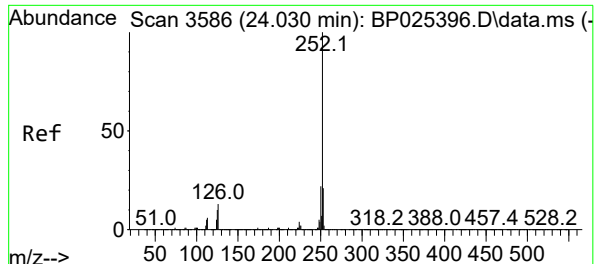
Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

125 10.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 9.800 ng

RT: 24.018 min Scan# 3584

Delta R.T. -0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 567080

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

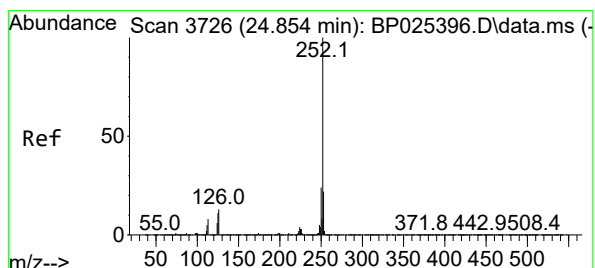
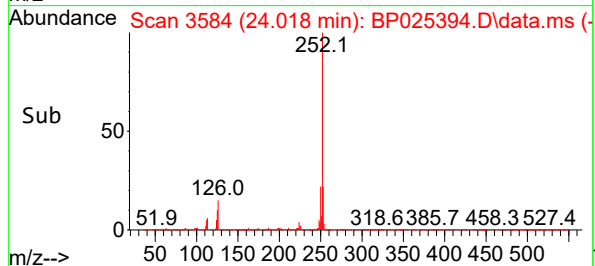
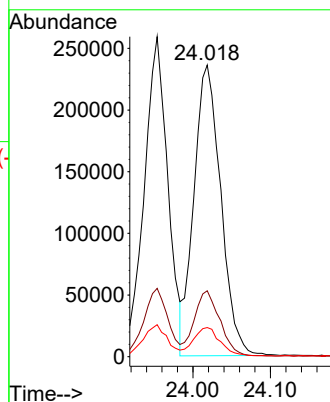
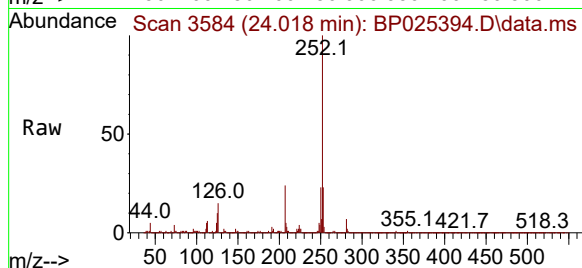
125 10.0 7.8 11.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 9.519 ng

RT: 24.854 min Scan# 3726

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

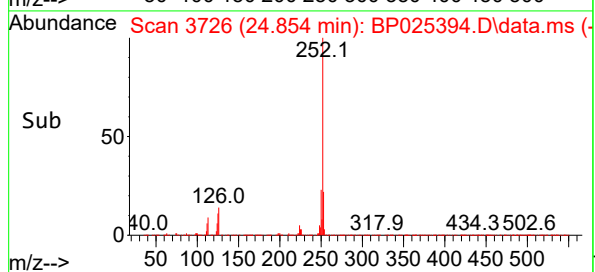
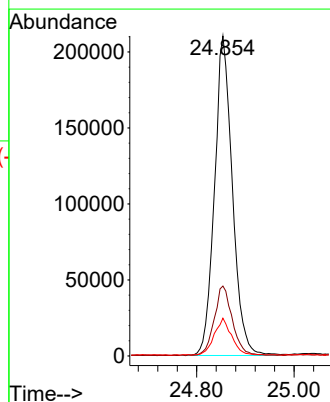
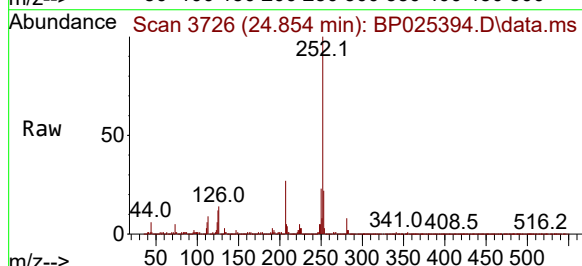
Tgt Ion:252 Resp: 535820

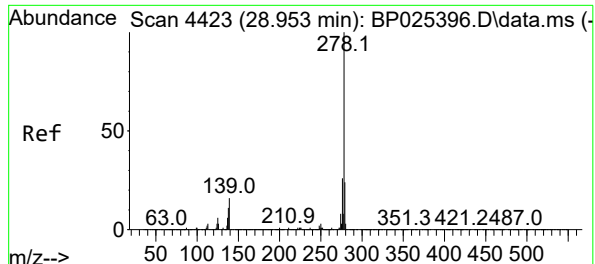
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

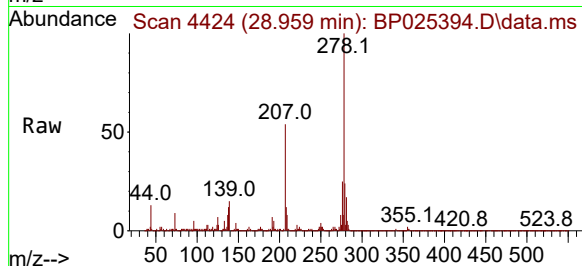
125 11.8 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 9.387 ng
RT: 28.959 min Scan# 4423
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

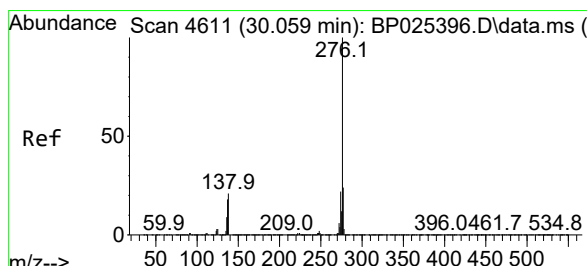
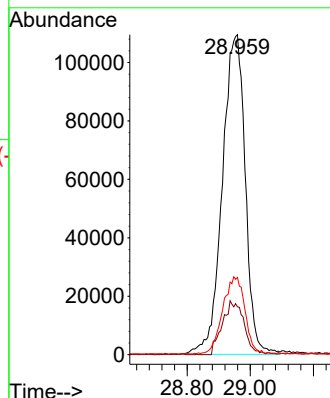
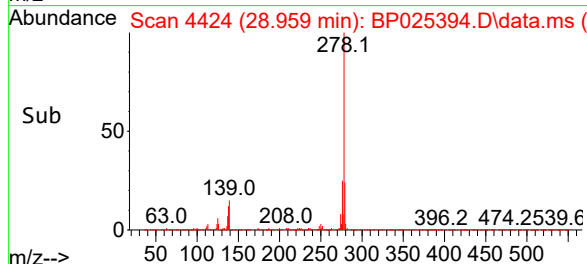
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion: 278 Resp: 551694
Ion Ratio Lower Upper
278 100
139 15.0 13.0 19.4
279 24.2 19.4 29.2

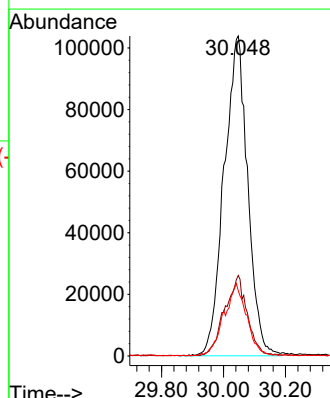
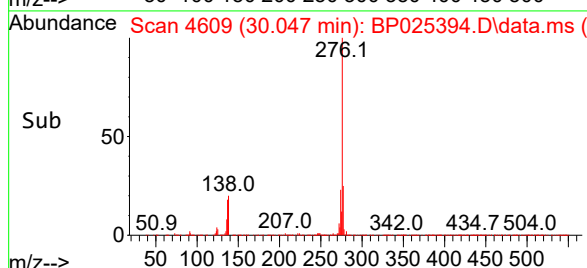
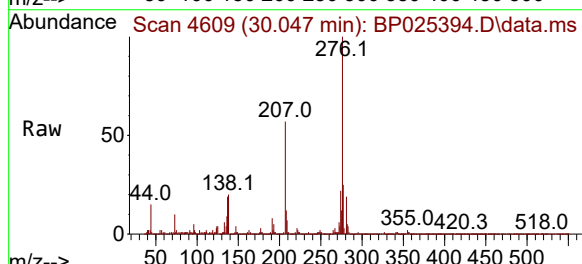
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 9.489 ng
RT: 30.047 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 276 Resp: 548117
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 20.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	141721	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	603797	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	399034	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	785736	20.000	ng	0.01
76) Chrysene-d12	21.654	240	852065	20.000	ng	0.00
86) Perylene-d12	25.036	264	958651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	338568	39.674	ng	0.00
7) Phenol-d6	6.966	99	434388	39.702	ng	0.00
23) Nitrobenzene-d5	8.931	82	473937	39.706	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	212968	39.651	ng	0.01
45) 2-Fluorobiphenyl	13.025	172	1203064	41.205	ng	0.00
79) Terphenyl-d14	19.930	244	1869951	40.152	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	67276	20.126	ng	99
3) Pyridine	3.731	79	177948	19.450	ng	98
4) n-Nitrosodimethylamine	3.637	42	72627	19.255	ng	# 96
6) Aniline	7.125	93	287645	19.513	ng	99
8) 2-Chlorophenol	7.366	128	190858	19.819	ng	99
9) Benzaldehyde	6.937	77	135464	17.672	ng	99
10) Phenol	6.990	94	228580	19.910	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	180390	20.159	ng	98
12) 1,3-Dichlorobenzene	7.684	146	213023	20.061	ng	99
13) 1,4-Dichlorobenzene	7.825	146	216400	19.938	ng	99
14) 1,2-Dichlorobenzene	8.143	146	211243	20.106	ng	99
15) Benzyl Alcohol	8.019	79	170736	19.640	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	242616	20.240	ng	99
17) 2-Methylphenol	8.225	107	159119	19.956	ng	98
18) Hexachloroethane	8.866	117	78205	19.597	ng	94
19) n-Nitroso-di-n-propyla...	8.584	70	149715	20.633	ng	97
20) 3+4-Methylphenols	8.543	107	217240	19.655	ng	98
22) Acetophenone	8.596	105	305812	20.196	ng	99
24) Nitrobenzene	8.972	77	210234	19.708	ng	100
25) Isophorone	9.496	82	422370	19.995	ng	99
26) 2-Nitrophenol	9.678	139	106805	19.509	ng	98
27) 2,4-Dimethylphenol	9.743	122	178534	18.963	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	256656	20.100	ng	99
29) 2,4-Dichlorophenol	10.207	162	186076	19.896	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	201995	19.702	ng	98
31) Naphthalene	10.613	128	625899	19.944	ng	99
32) Benzoic acid	9.843	122	124836m	18.004	ng	
33) 4-Chloroaniline	10.713	127	270158	19.489	ng	99
34) Hexachlorobutadiene	10.901	225	127593	19.983	ng	99
35) Caprolactam	11.484	113	66168	19.294	ng	95
36) 4-Chloro-3-methylphenol	11.837	107	209817	19.551	ng	97
37) 2-Methylnaphthalene	12.219	142	409613	20.057	ng	99
38) 1-Methylnaphthalene	12.443	142	430666	19.829	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	233523	20.263	ng	99
41) Hexachlorocyclopentadiene	12.572	237	124759	17.922	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	152031	19.540	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025395.D
 Acq On : 14 Aug 2025 14:38
 Operator : CG/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:54:49 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 17:44:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	169197	19.842	ng	98
46) 1,1'-Biphenyl	13.237	154	581464	20.064	ng	100
47) 2-Chloronaphthalene	13.272	162	456552	20.237	ng	98
48) 2-Nitroaniline	13.478	65	126433	19.233	ng	99
49) Acenaphthylene	14.137	152	737527	19.756	ng	99
50) Dimethylphthalate	13.866	163	573661	19.632	ng	100
51) 2,6-Dinitrotoluene	13.966	165	120693	19.597	ng	96
52) Acenaphthene	14.484	154	438852m	20.027	ng	
53) 3-Nitroaniline	14.301	138	134502	19.410	ng	97
54) 2,4-Dinitrophenol	14.519	184	55713	16.939	ng	98
55) Dibenzofuran	14.819	168	692966	20.002	ng	99
56) 4-Nitrophenol	14.619	139	105787	18.578	ng	98
57) 2,4-Dinitrotoluene	14.772	165	172020	19.576	ng	96
58) Fluorene	15.478	166	554647	20.289	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.048	232	145926	19.381	ng	99
60) Diethylphthalate	15.248	149	584590	19.689	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	270949	19.929	ng	98
62) 4-Nitroaniline	15.478	138	139202	19.595	ng	100
63) Azobenzene	15.766	77	508563	20.004	ng	100
65) 4,6-Dinitro-2-methylph...	15.548	198	88992	18.169	ng	97
66) n-Nitrosodiphenylamine	15.684	169	477080	19.911	ng	99
67) 4-Bromophenyl-phenylether	16.389	248	170738	19.758	ng	97
68) Hexachlorobenzene	16.495	284	199410	19.906	ng	99
69) Atrazine	16.666	200	179513	20.006	ng	99
70) Pentachlorophenol	16.848	266	120958	19.128	ng	99
71) Phenanthrene	17.254	178	872890	20.223	ng	99
72) Anthracene	17.342	178	890292	20.198	ng	100
73) Carbazole	17.625	167	843970	20.328	ng	99
74) Di-n-butylphthalate	18.219	149	1046709	20.491	ng	100
75) Fluoranthene	19.342	202	1058912	20.567	ng	99
77) Benzidine	19.525	184	546647	18.799	ng	99
78) Pyrene	19.713	202	1096965	19.807	ng	99
80) Butylbenzylphthalate	20.666	149	504019	20.081	ng	97
81) Benzo(a)anthracene	21.630	228	1118590	19.906	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	432075	20.399	ng	100
83) Chrysene	21.707	228	1063898	20.216	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	744704	20.155	ng	99
85) Di-n-octyl phthalate	22.871	149	1276798	20.091	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	1380331m	19.627	ng	
88) Benzo(b)fluoranthene	23.948	252	1122408	19.855	ng	100
89) Benzo(k)fluoranthene	24.018	252	1150366	20.336	ng	100
90) Benzo(a)pyrene	24.854	252	1102804	20.041	ng	100
91) Dibenzo(a,h)anthracene	28.965	278	1130209	19.672	ng	98
92) Benzo(g,h,i)perylene	30.053	276	1120307	19.840	ng	99

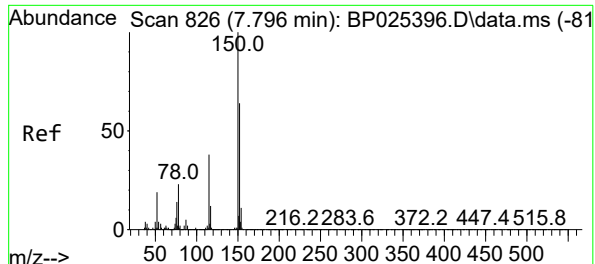
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jaagrut Upadhyay 08/15/2025





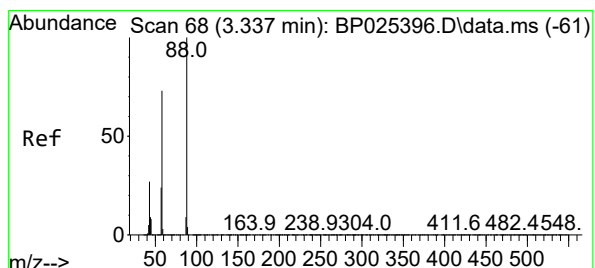
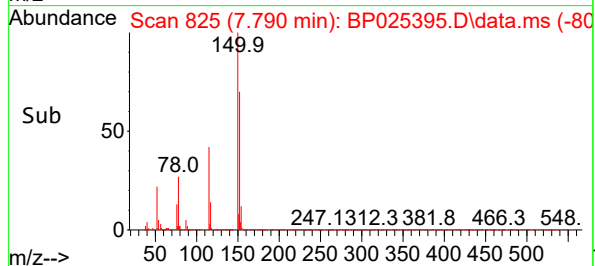
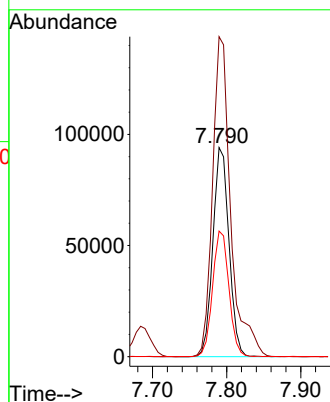
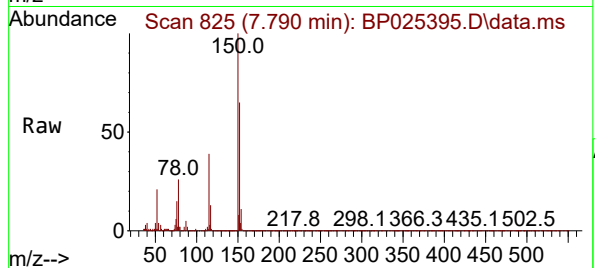
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 14172
Ion Ratio Lower Upper
152 100
150 153.0 125.9 188.9
115 60.0 48.5 72.7

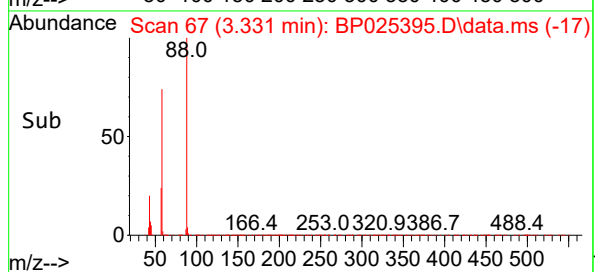
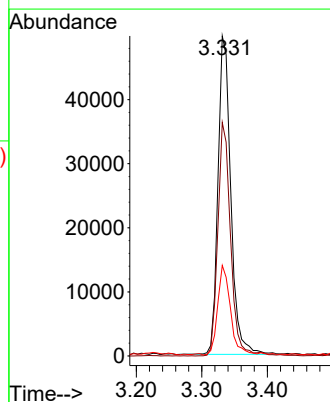
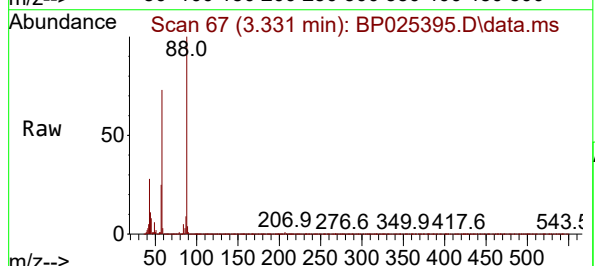
Manual Integrations
APPROVED

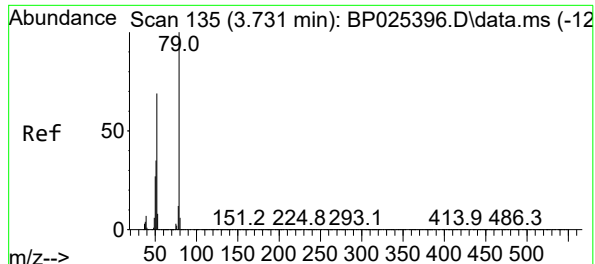
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 20.126 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

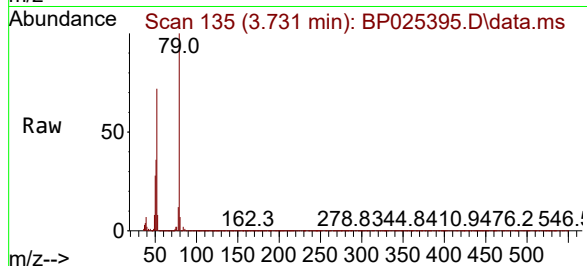
Tgt Ion: 88 Resp: 67276
Ion Ratio Lower Upper
88 100
58 73.2 59.2 88.8
43 27.9 21.7 32.5





#3
Pyridine
Concen: 19.450 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

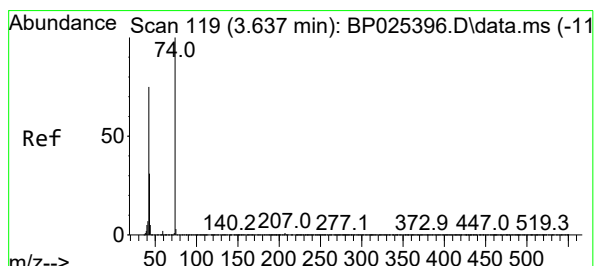
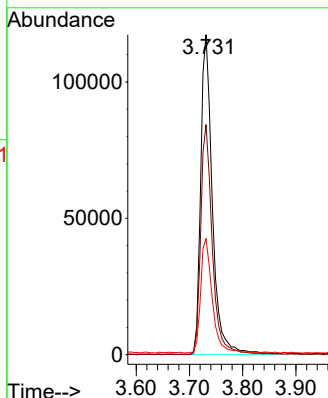
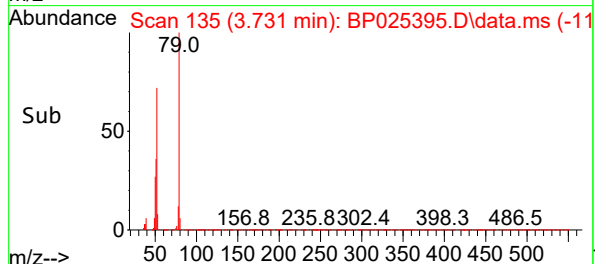
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion: 79 Resp: 177948
Ion Ratio Lower Upper
79 100
52 71.9 55.5 83.3
51 36.1 28.3 42.5

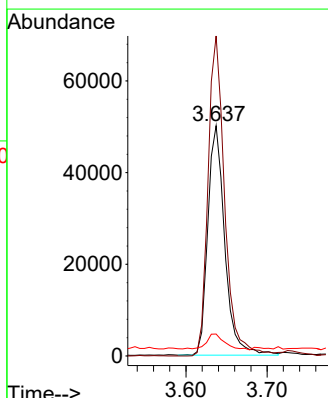
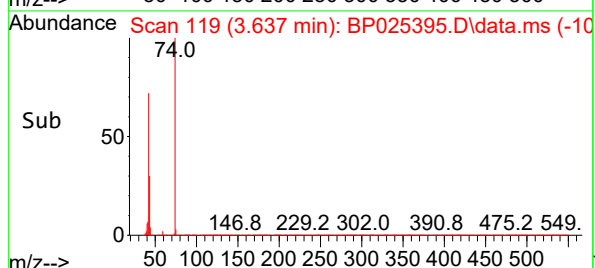
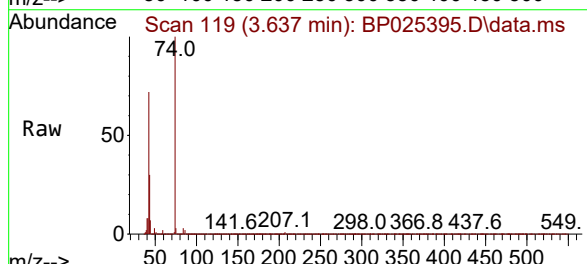
Manual Integrations
APPROVED

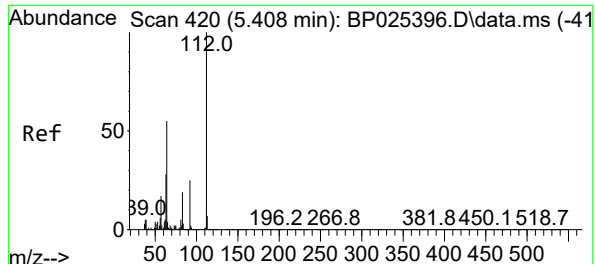
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#4
n-Nitrosodimethylamine
Concen: 19.255 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 42 Resp: 72627
Ion Ratio Lower Upper
42 100
74 138.9 107.0 160.4
44 9.5 6.2 9.4





#5

2-Fluorophenol

Concen: 39.674 ng

RT: 5.408 min Scan# 41

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:112 Resp: 33856

Ion Ratio Lower Upper

112 100

64 53.6 43.8 65.8

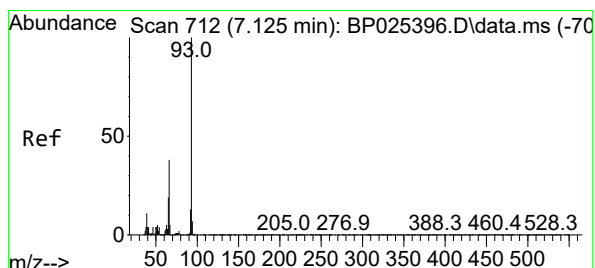
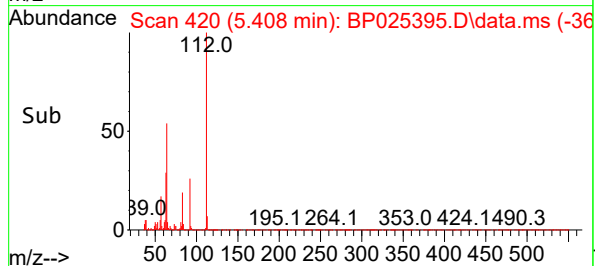
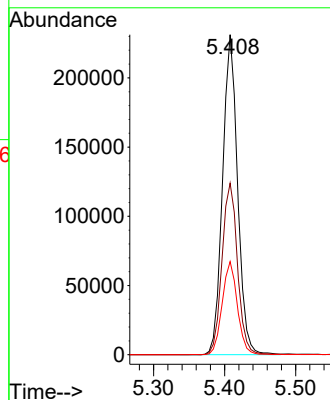
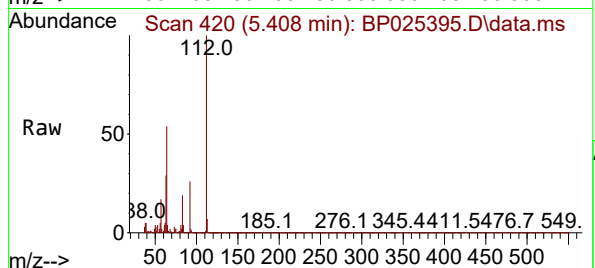
63 29.1 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#6

Aniline

Concen: 19.513 ng

RT: 7.125 min Scan# 712

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

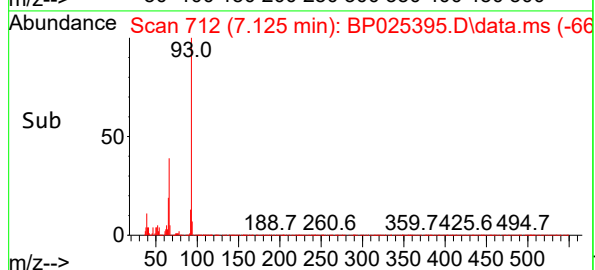
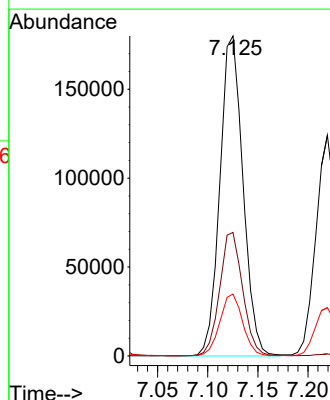
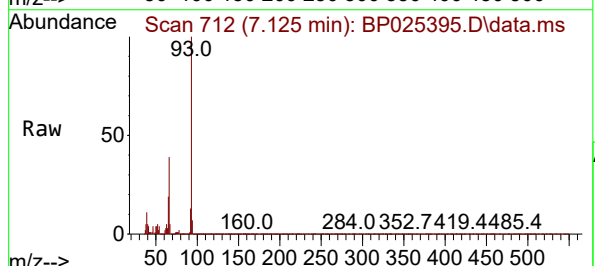
Tgt Ion: 93 Resp: 287645

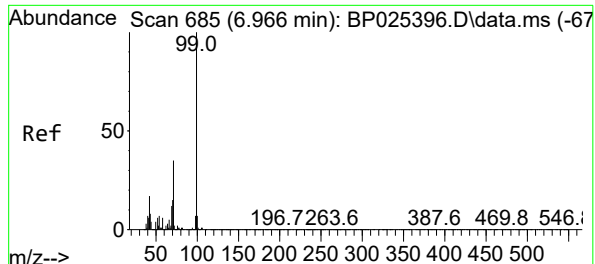
Ion Ratio Lower Upper

93 100

66 38.6 30.4 45.6

65 19.4 15.3 22.9





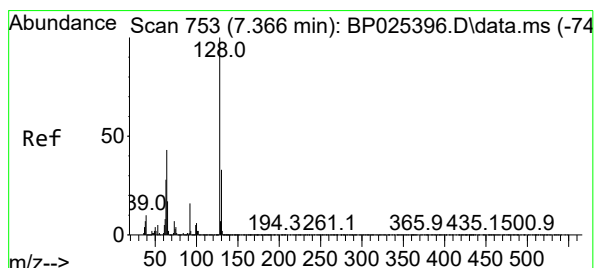
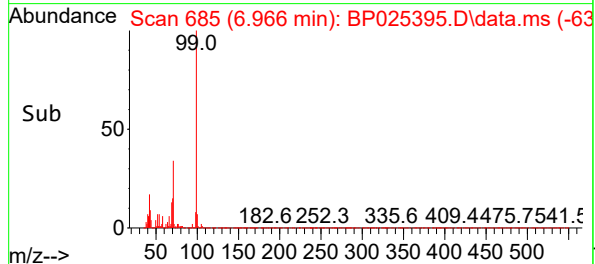
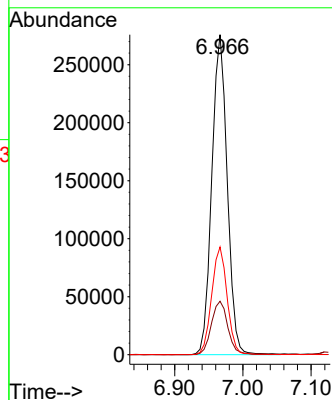
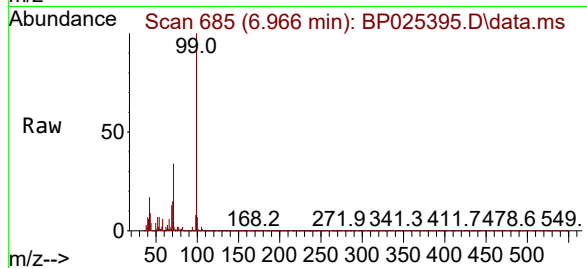
#7
Phenol-d6
Concen: 39.702 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 434388
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 33.7 28.2 42.4

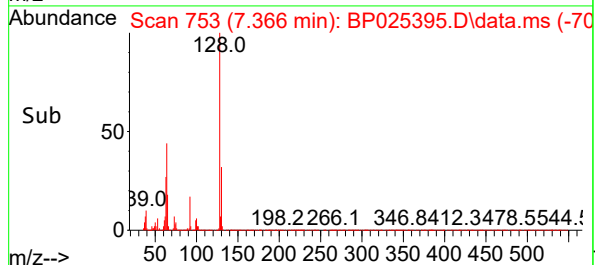
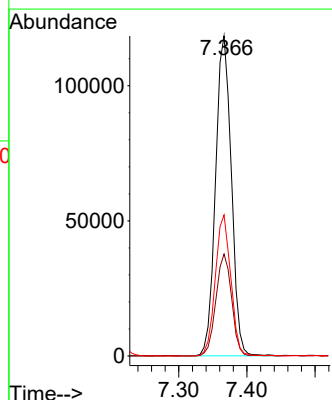
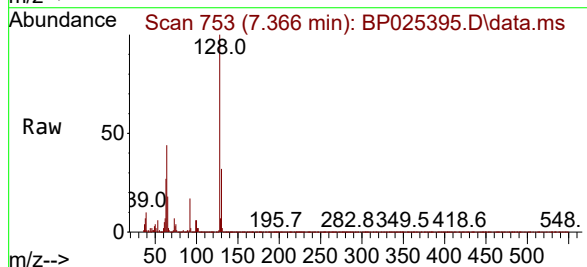
Manual Integrations
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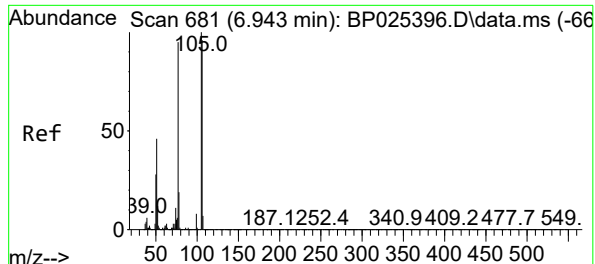
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#8
2-Chlorophenol
Concen: 19.819 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:128 Resp: 190858
Ion Ratio Lower Upper
128 100
130 31.9 12.6 52.6
64 44.0 23.4 63.4





#9

Benzaldehyde

Concen: 17.672 ng

RT: 6.937 min Scan# 681

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 77 Resp: 135464

Ion Ratio Lower Upper

77 100

105 102.7 84.8 124.8

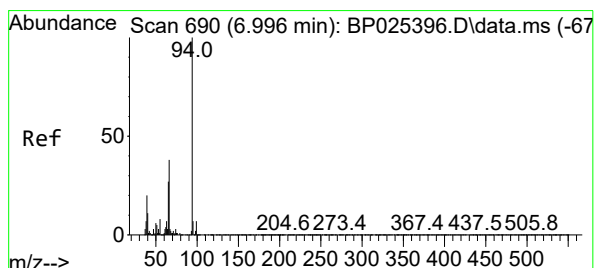
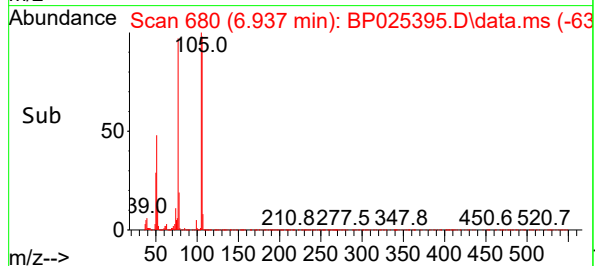
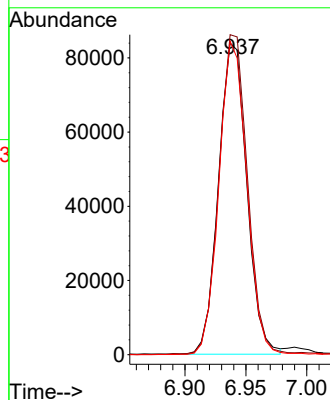
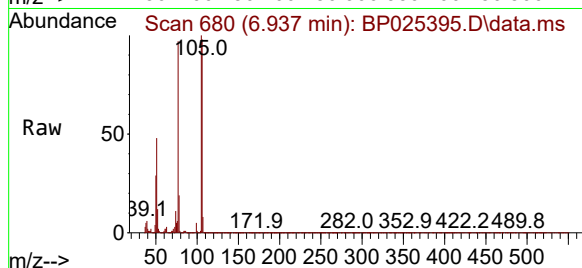
106 100.6 80.5 120.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#10

Phenol

Concen: 19.910 ng

RT: 6.990 min Scan# 689

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

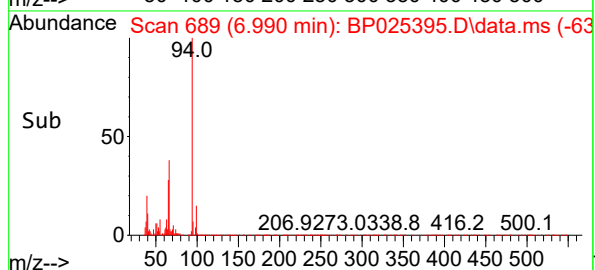
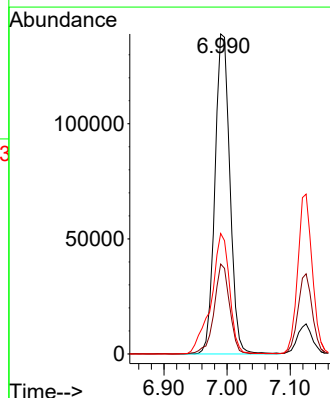
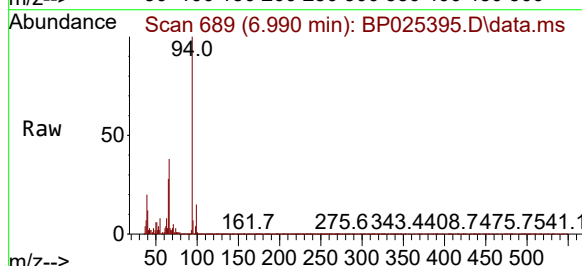
Tgt Ion: 94 Resp: 228580

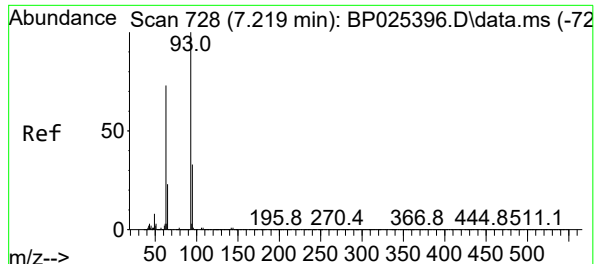
Ion Ratio Lower Upper

94 100

65 28.1 6.8 46.8

66 37.7 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 20.159 ng

RT: 7.219 min Scan# 728

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 93 Resp: 180390

Ion Ratio Lower Upper

93 100

63 71.2 52.6 92.6

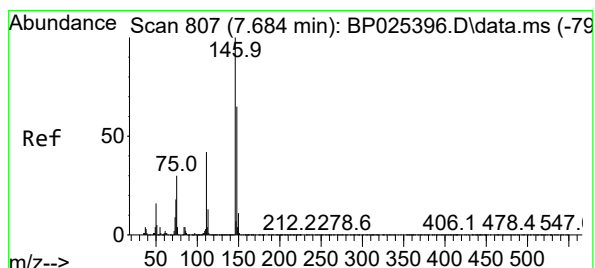
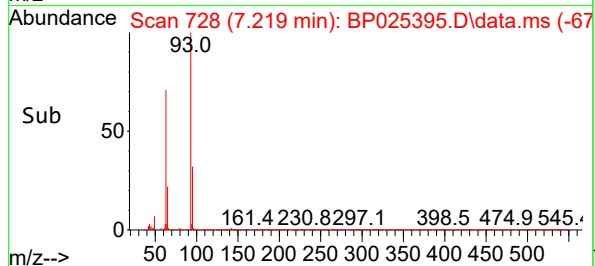
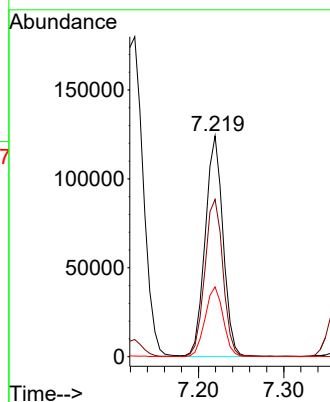
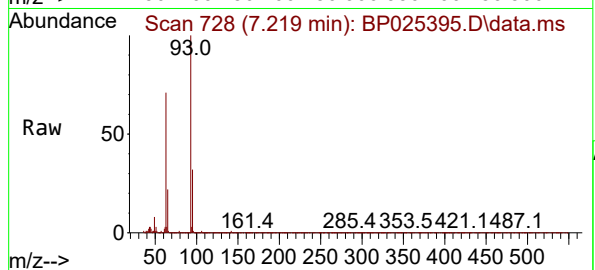
95 31.6 12.7 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#12

1,3-Dichlorobenzene

Concen: 20.061 ng

RT: 7.684 min Scan# 807

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

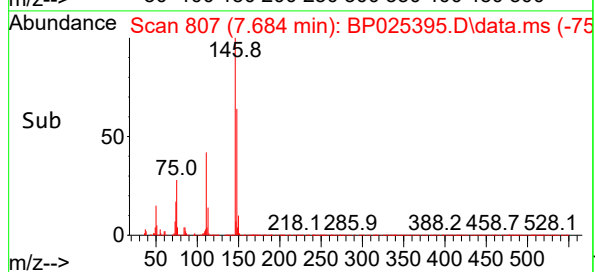
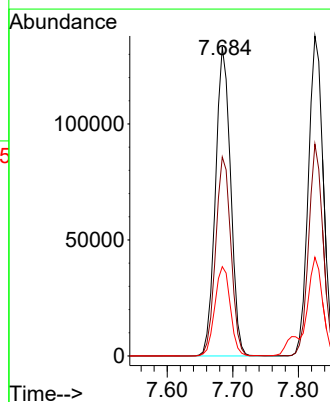
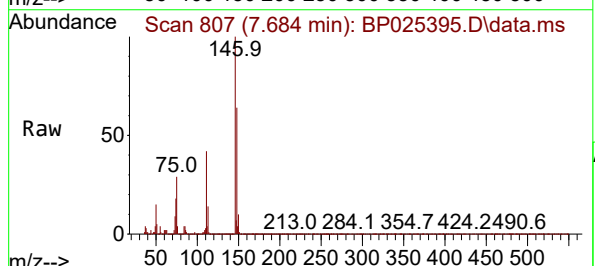
Tgt Ion:146 Resp: 213023

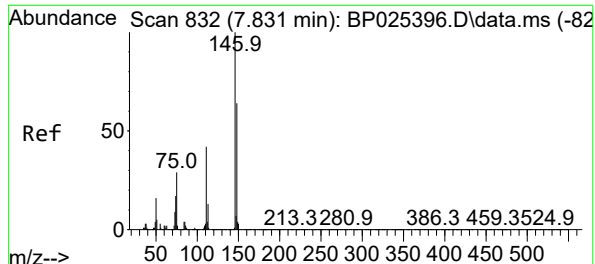
Ion Ratio Lower Upper

146 100

148 64.4 51.9 77.9

75 28.9 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 19.938 ng

RT: 7.825 min Scan# 831

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 216400

Ion Ratio Lower Upper

146 100

148 66.2 51.6 77.4

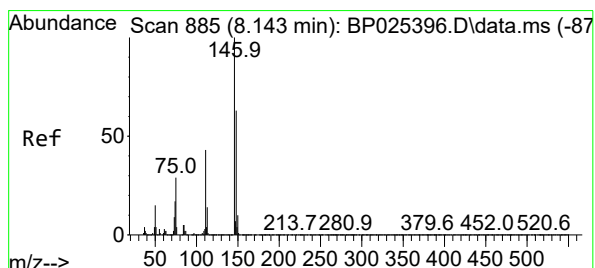
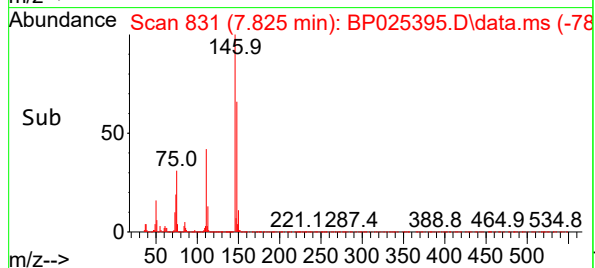
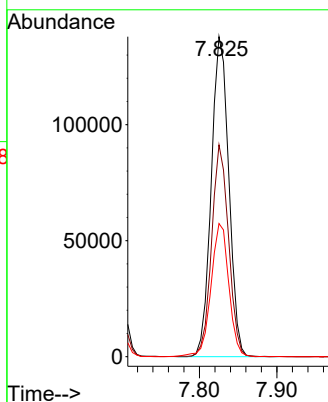
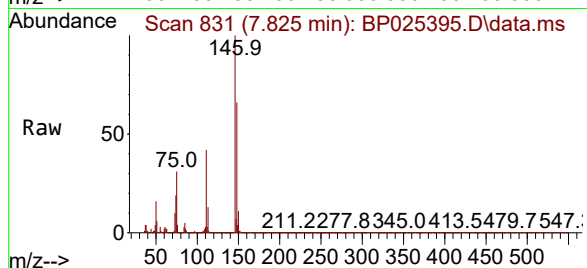
111 41.6 33.4 50.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#14

1,2-Dichlorobenzene

Concen: 20.106 ng

RT: 8.143 min Scan# 885

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

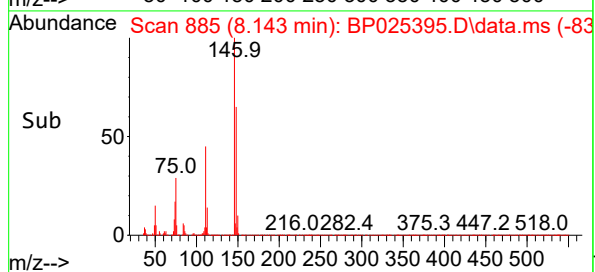
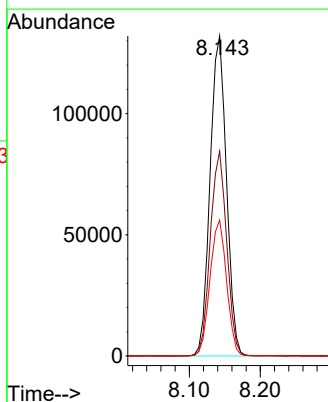
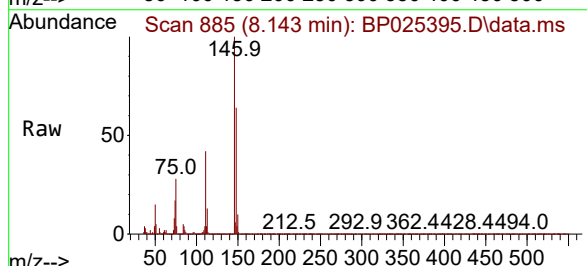
Tgt Ion:146 Resp: 211243

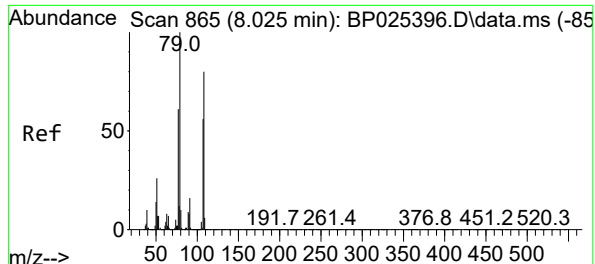
Ion Ratio Lower Upper

146 100

148 64.0 50.4 75.6

111 42.4 34.5 51.7





#15

Benzyl Alcohol

Concen: 19.640 ng

RT: 8.019 min Scan# 80

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 170730

Ion Ratio Lower Upper

79 100

108 77.1 63.8 95.6

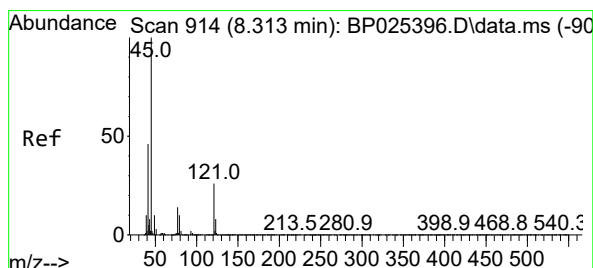
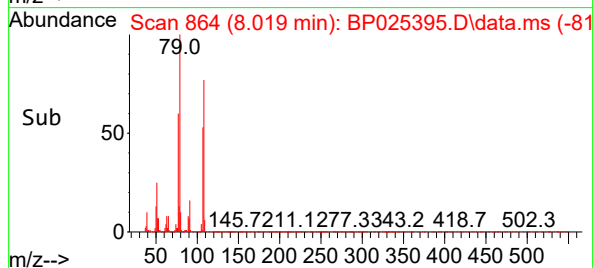
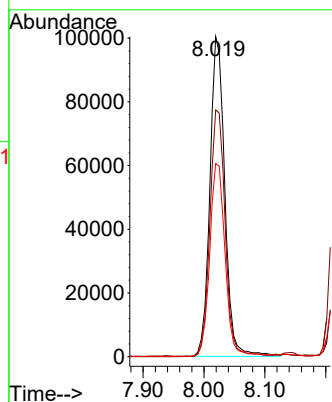
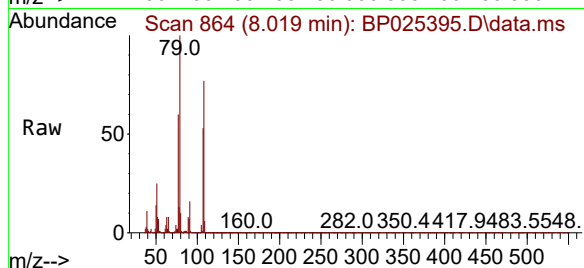
77 60.3 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.240 ng

RT: 8.307 min Scan# 913

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

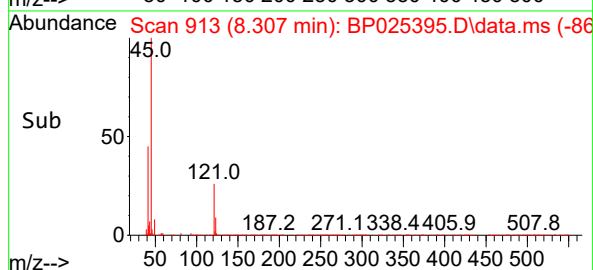
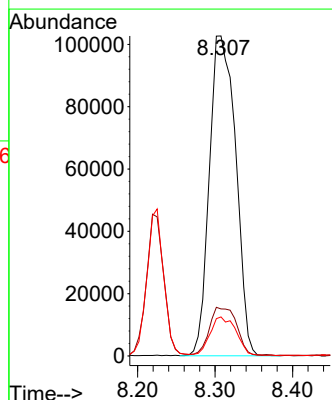
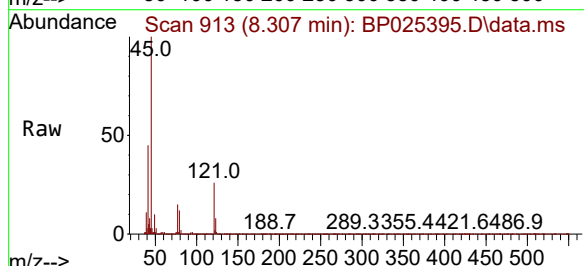
Tgt Ion: 45 Resp: 242616

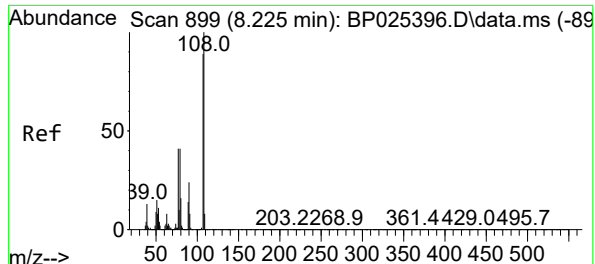
Ion Ratio Lower Upper

45 100

77 14.7 0.0 35.3

79 12.2 0.0 31.8





#17
2-Methylphenol
Concen: 19.956 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

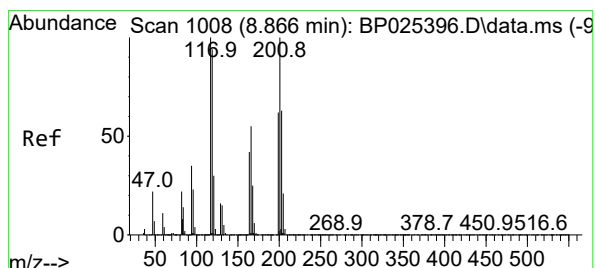
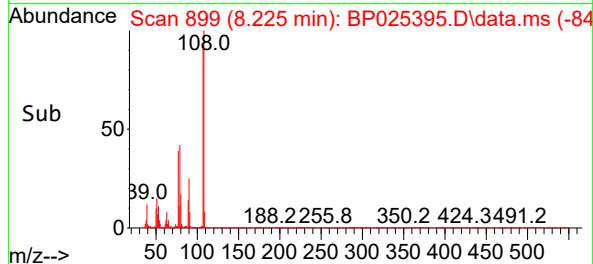
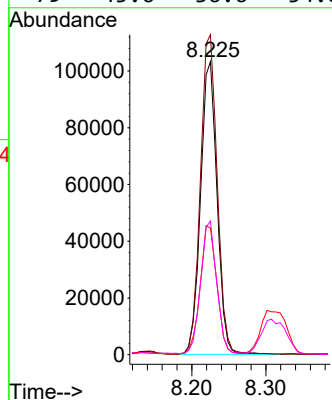
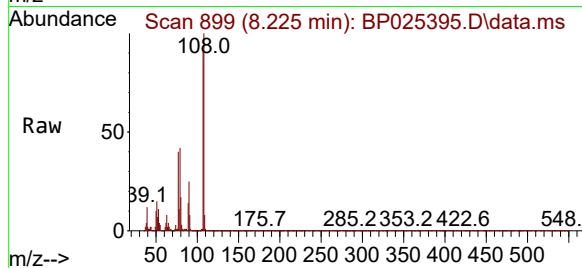
ClientSampleId :

SSTDICC020

Tgt Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.4	134.0
77	43.2	36.3	54.5
79	45.6	36.6	54.8

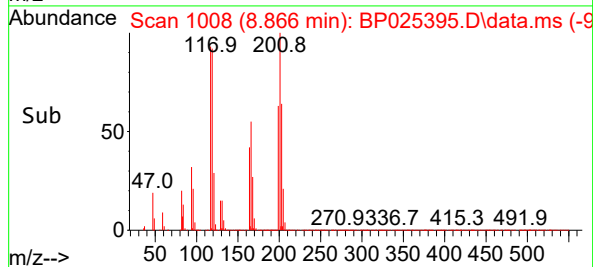
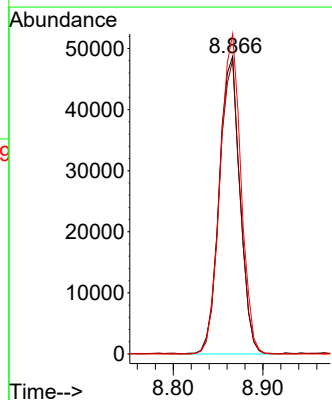
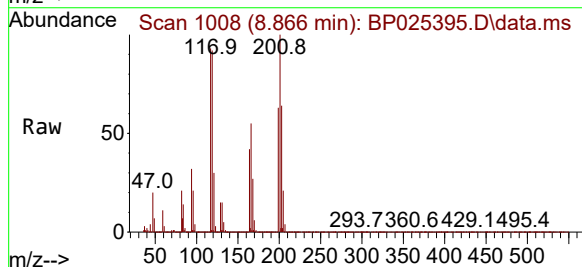
Manual Integrations
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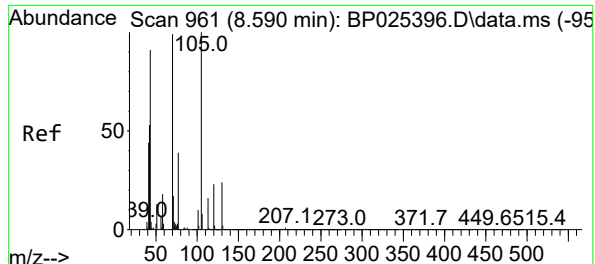
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#18
Hexachloroethane
Concen: 19.597 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.1	112.7
201	107.5	80.1	120.1





#19

n-Nitroso-di-n-propylamine

Concen: 20.633 ng

RT: 8.584 min Scan# 961

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 14971

Ion Ratio Lower Upper

70 100

42 52.0 43.8 65.6

101 11.3 8.5 12.7

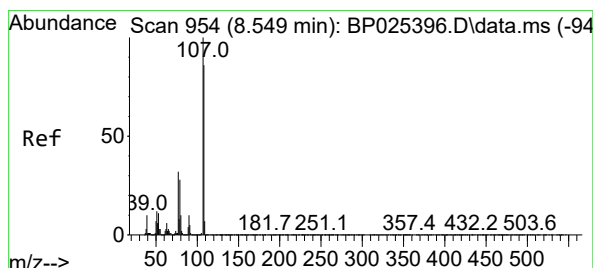
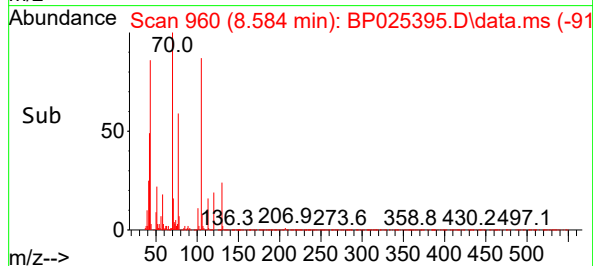
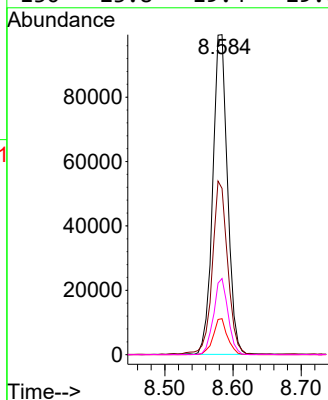
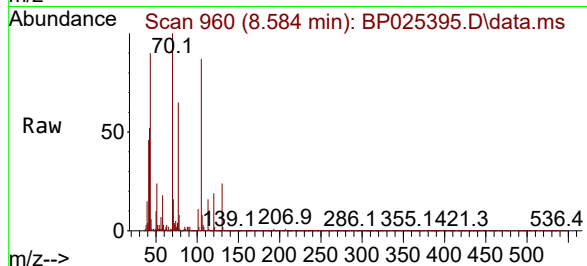
130 23.8 19.4 29.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#20

3+4-Methylphenols

Concen: 19.655 ng

RT: 8.543 min Scan# 953

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 217240

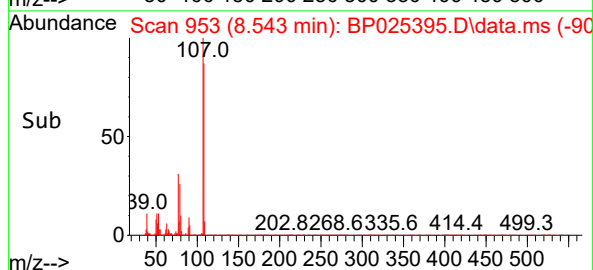
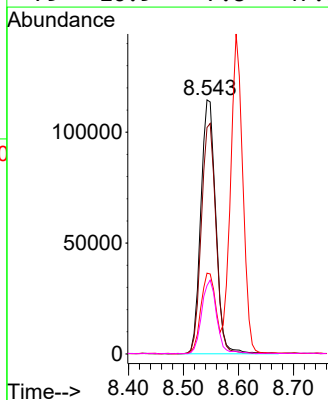
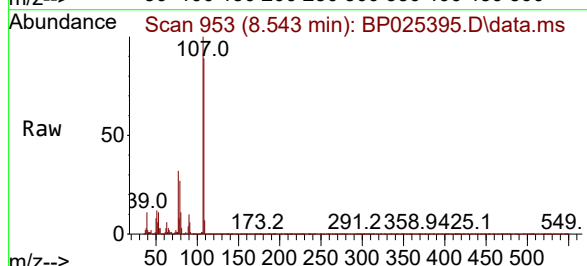
Ion Ratio Lower Upper

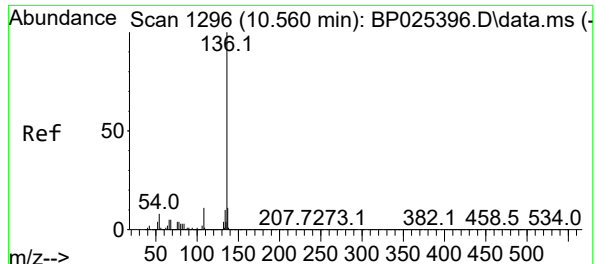
107 100

108 89.1 66.3 106.3

77 31.8 12.3 52.3

79 26.9 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.560 min Scan# 1296

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

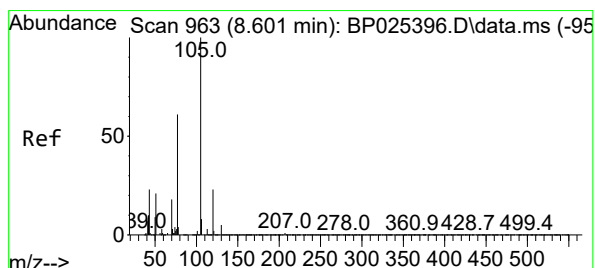
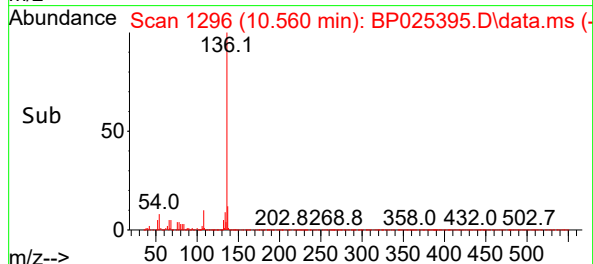
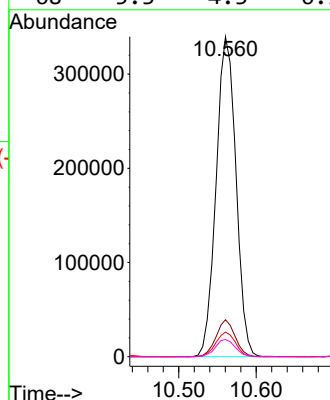
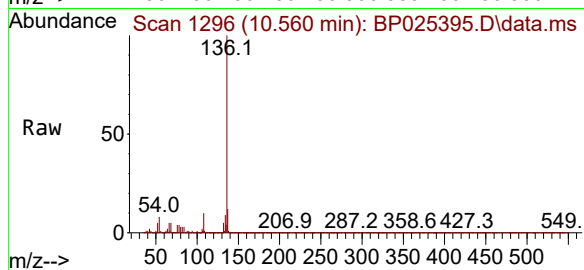
SSTDICC020

Tgt Ion:	136	Resp:	60379
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.2	13.8
54	7.7	6.0	9.0
68	5.3	4.3	6.5

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#22

Acetophenone

Concen: 20.196 ng

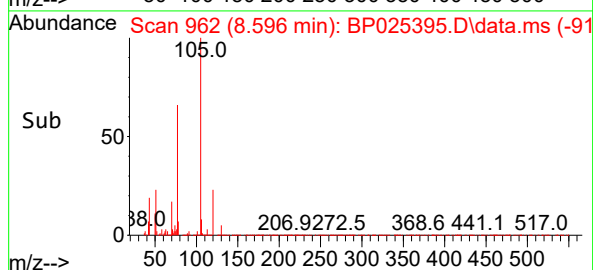
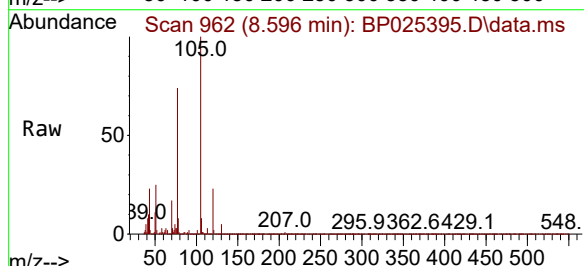
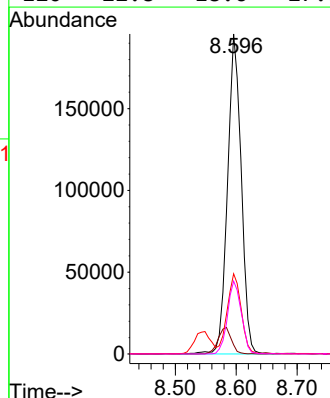
RT: 8.596 min Scan# 962

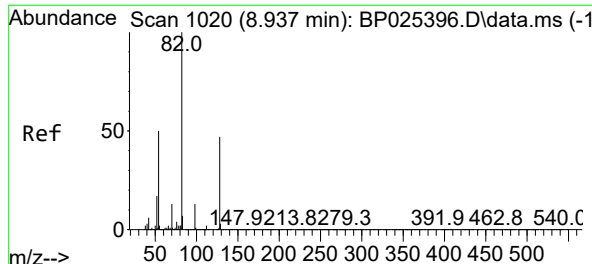
Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Tgt Ion:	105	Resp:	305812
Ion Ratio	Lower	Upper	
105	100		
71	2.8	2.6	4.0
51	25.0	20.6	30.8
120	22.8	18.6	27.8





#23

Nitrobenzene-d5

Concen: 39.706 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 47393

Ion Ratio Lower Upper

82 100

128 46.3 37.7 56.5

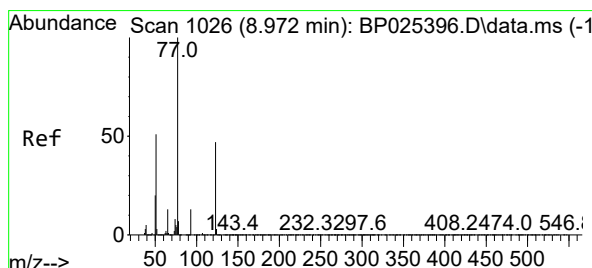
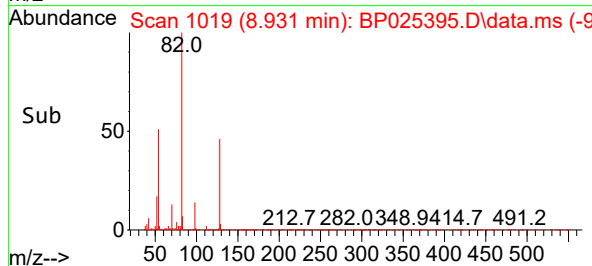
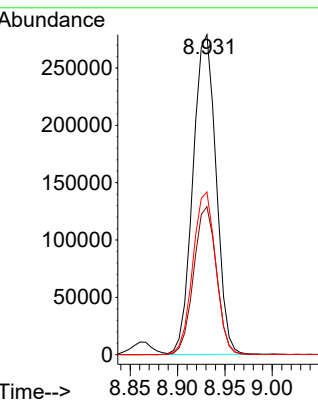
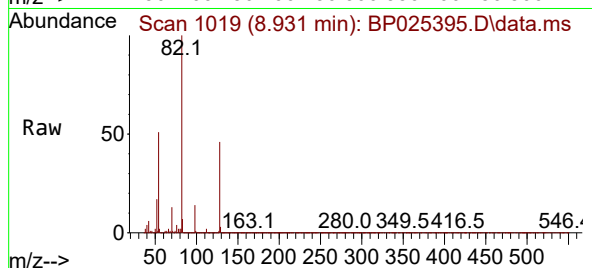
54 50.8 39.8 59.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#24

Nitrobenzene

Concen: 19.708 ng

RT: 8.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

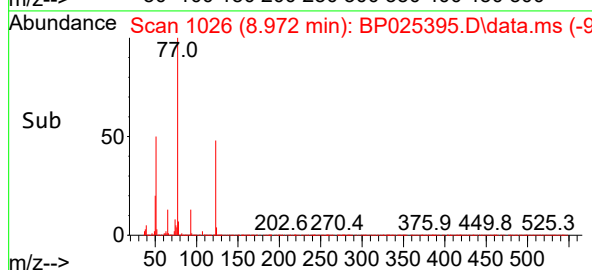
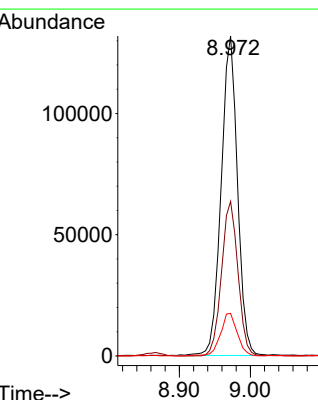
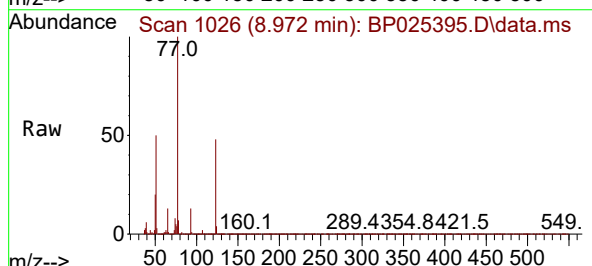
Tgt Ion: 77 Resp: 210234

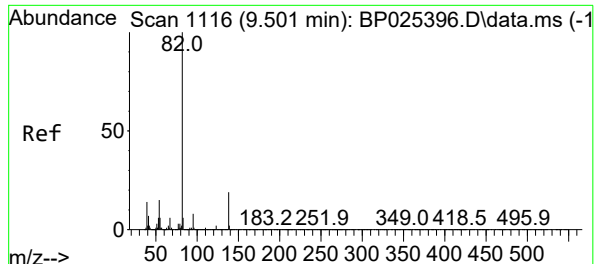
Ion Ratio Lower Upper

77 100

123 48.3 38.6 58.0

65 13.3 10.6 15.8





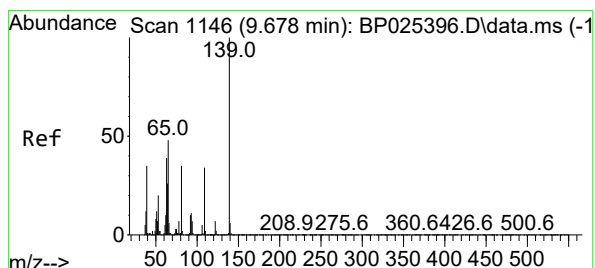
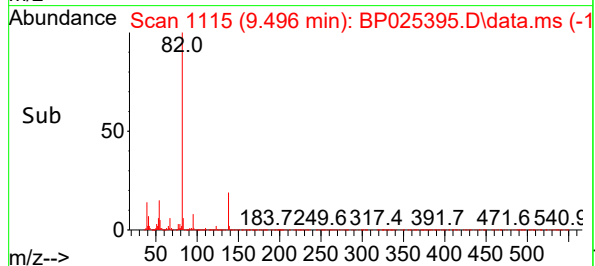
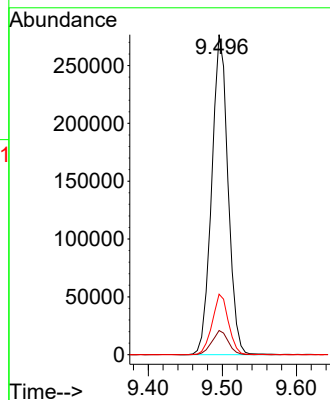
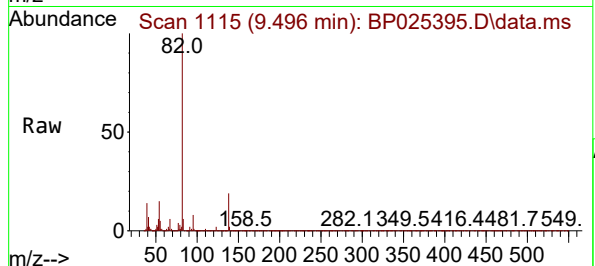
#25
Isophorone
Concen: 19.995 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 422370
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 18.9 15.4 23.0

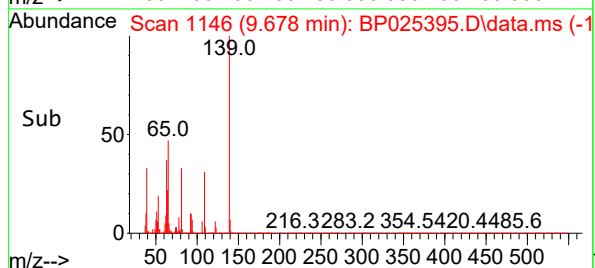
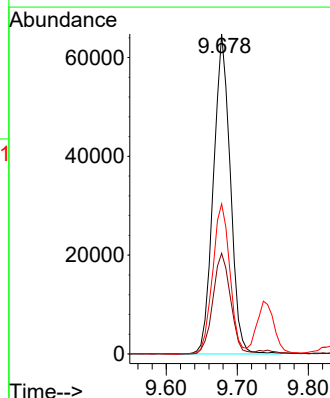
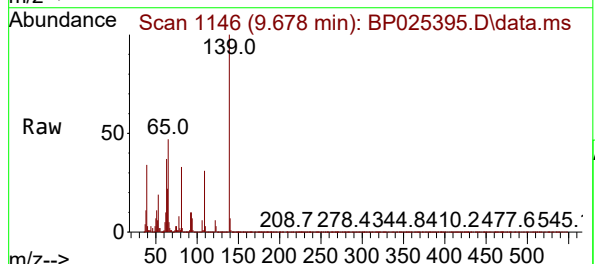
Manual Integrations
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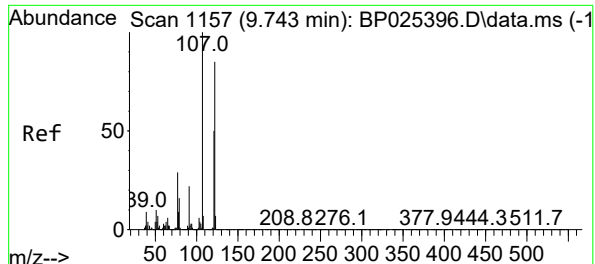
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#26
2-Nitrophenol
Concen: 19.509 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:139 Resp: 106805
Ion Ratio Lower Upper
139 100
109 31.5 26.9 40.3
65 46.9 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 18.963 ng

RT: 9.743 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

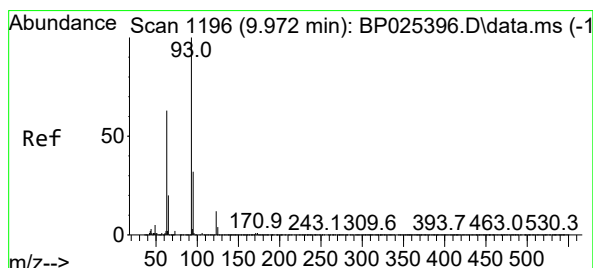
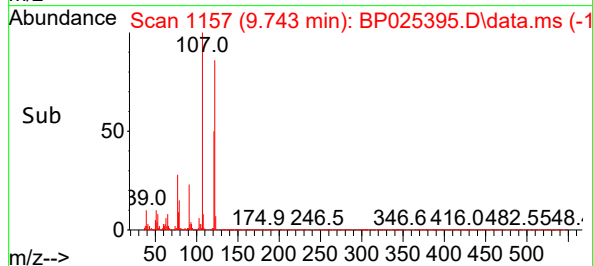
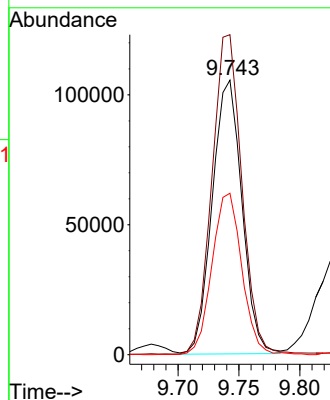
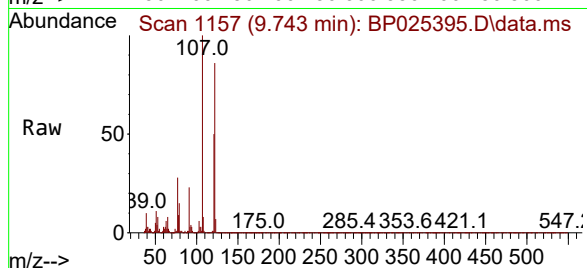
SSTDICC020

Tgt Ion:	122	Resp:	178534
Ion	Ratio	Lower	Upper
122	100		
107	116.5	93.7	140.5
121	58.8	46.6	69.8

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 20.100 ng

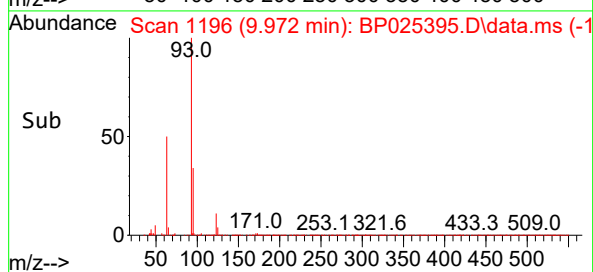
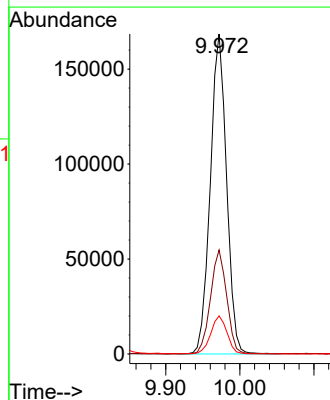
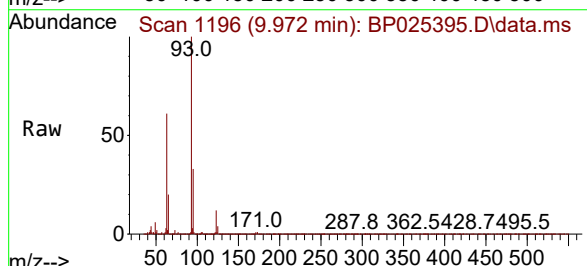
RT: 9.972 min Scan# 1196

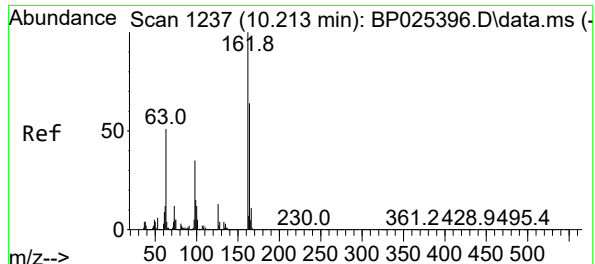
Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

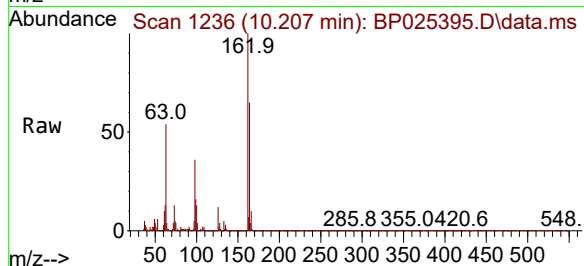
Tgt Ion:	93	Resp:	256656
Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.0
123	11.9	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 19.896 ng
RT: 10.207 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

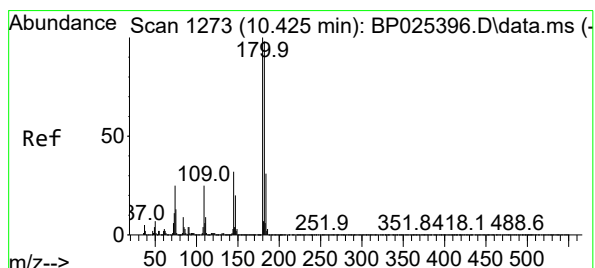
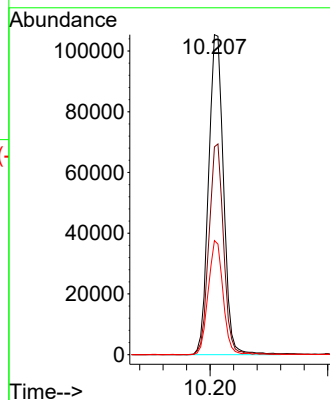
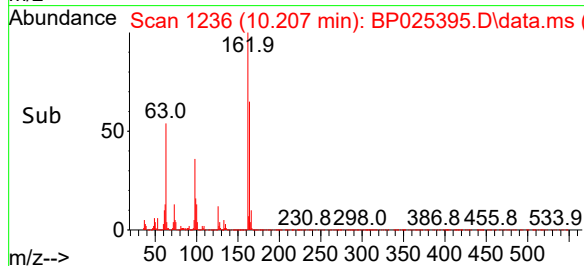
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



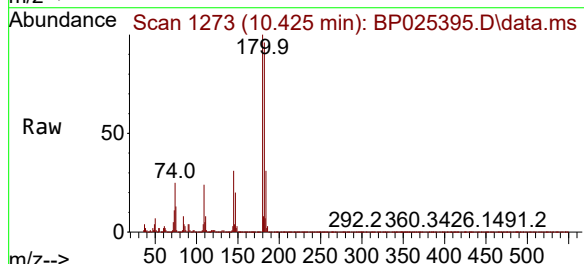
Tgt Ion:162 Resp: 186070
Ion Ratio Lower Upper
162 100
164 64.9 44.4 84.4
98 35.7 14.9 54.9

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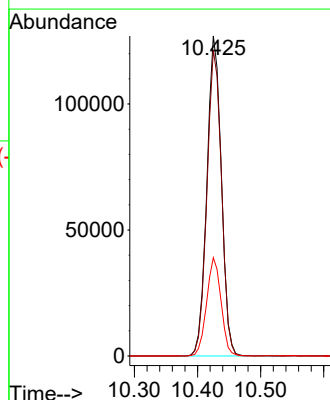
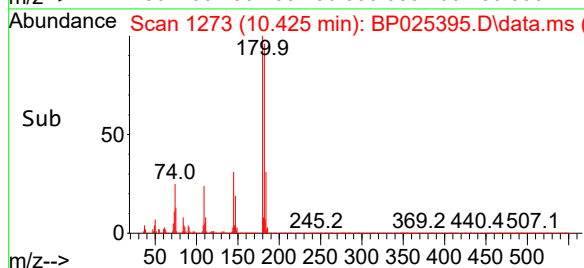
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

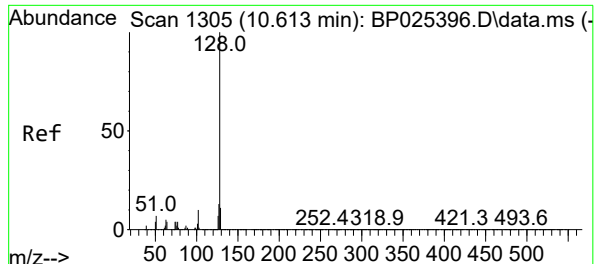


#30
1,2,4-Trichlorobenzene
Concen: 19.702 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



Tgt Ion:180 Resp: 201995
Ion Ratio Lower Upper
180 100
182 95.6 78.0 117.0
145 30.7 25.9 38.9





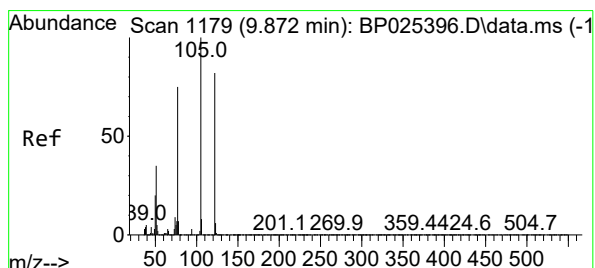
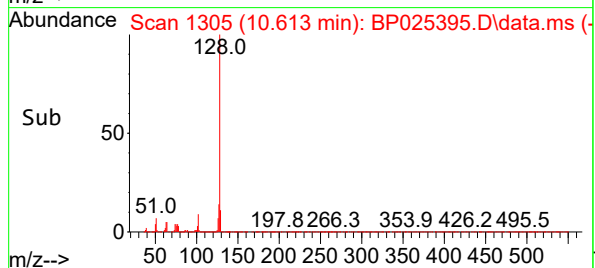
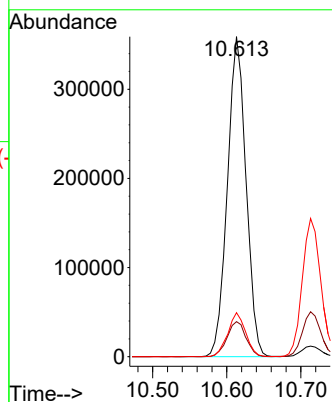
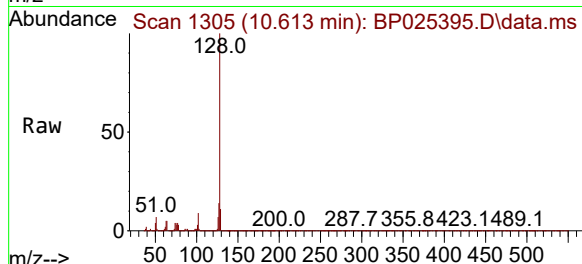
#31
Naphthalene
Concen: 19.944 ng
RT: 10.613 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 62589
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.7 10.7 16.1

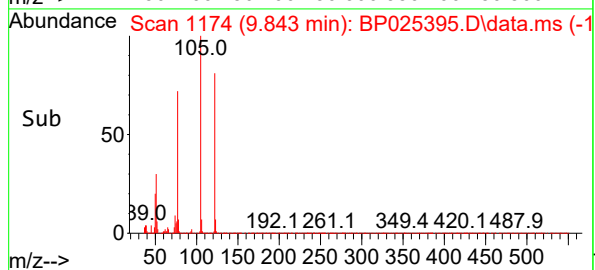
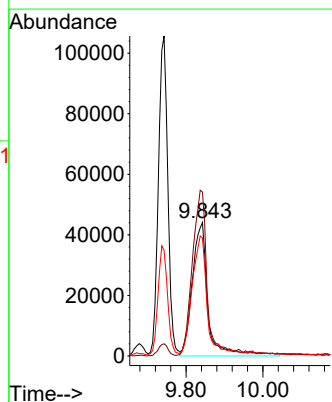
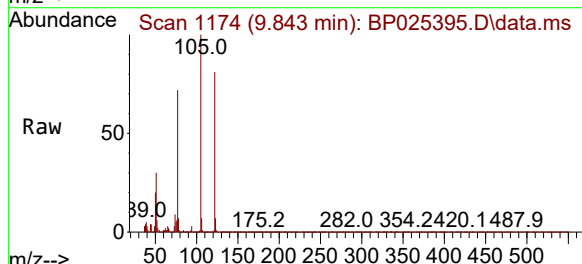
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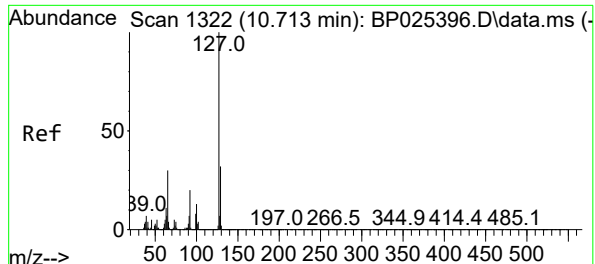
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#32
Benzoic acid
Concen: 18.004 ng m
RT: 9.843 min Scan# 1174
Delta R.T. -0.029 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

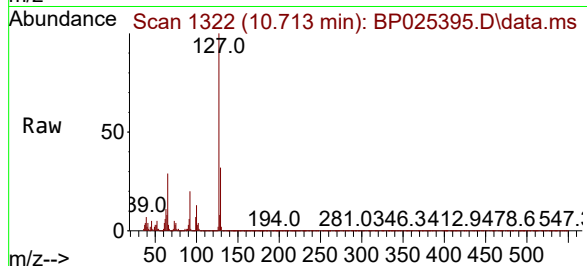
Tgt Ion:122 Resp: 124836
Ion Ratio Lower Upper
122 100
105 122.9 100.6 140.6
77 88.5 71.5 111.5





#33
4-Chloroaniline
Concen: 19.489 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

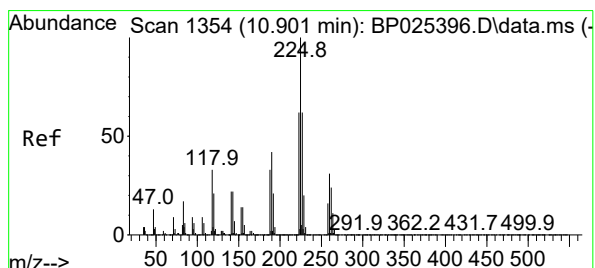
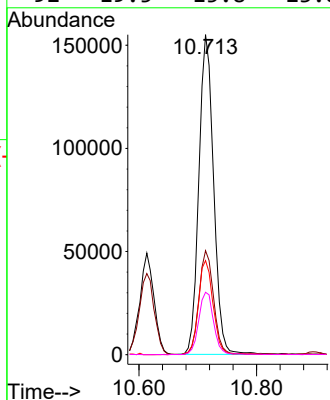
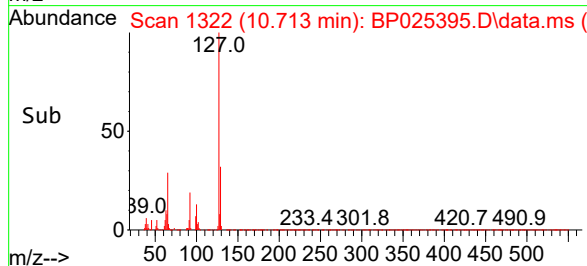
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



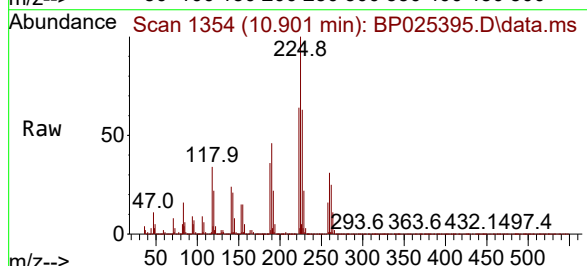
Tgt Ion:127 Resp: 270158
Ion Ratio Lower Upper
127 100
129 32.5 25.4 38.2
65 29.4 23.8 35.6
92 19.5 15.8 23.8

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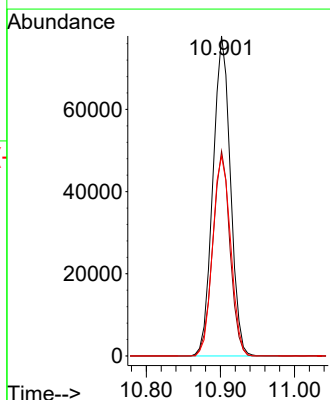
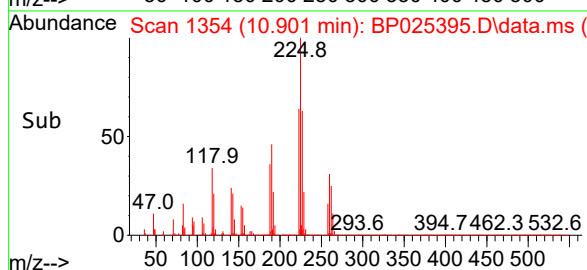
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

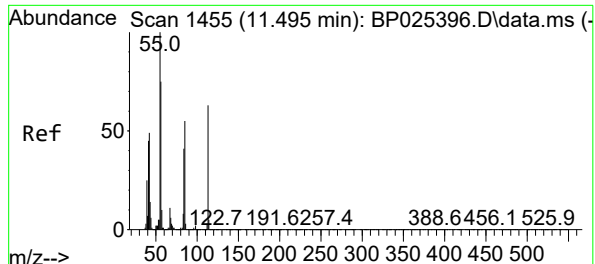


#34
Hexachlorobutadiene
Concen: 19.983 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



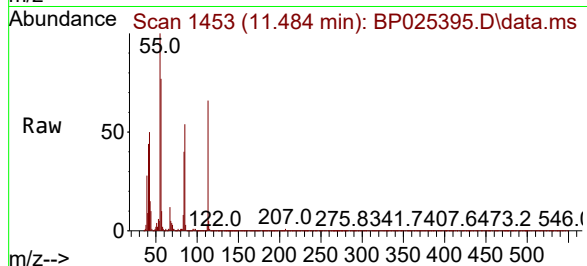
Tgt Ion:225 Resp: 127593
Ion Ratio Lower Upper
225 100
223 64.0 50.0 75.0
227 62.5 49.7 74.5





#35
Caprolactam
Concen: 19.294 ng
RT: 11.484 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

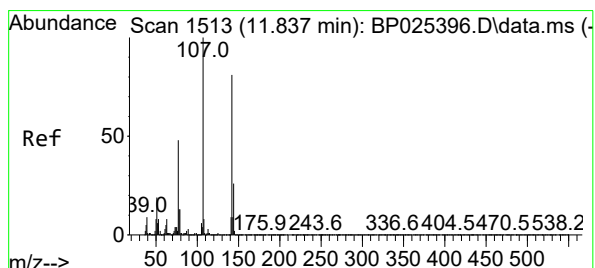
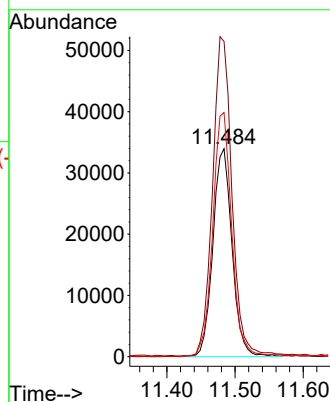
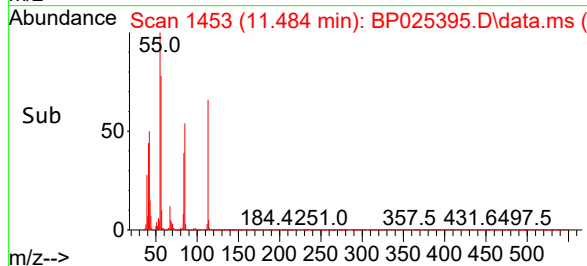
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 66168
Ion Ratio Lower Upper
113 100
55 151.5 140.0 180.0
56 117.4 100.0 140.0

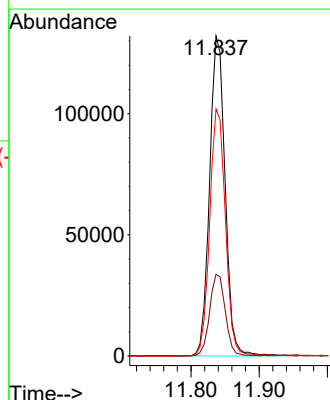
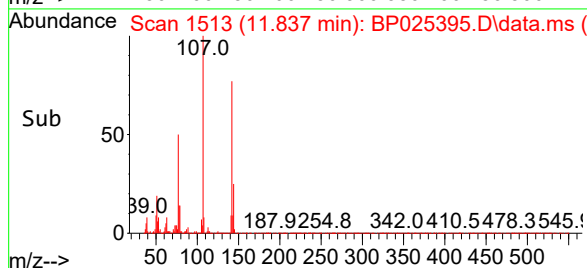
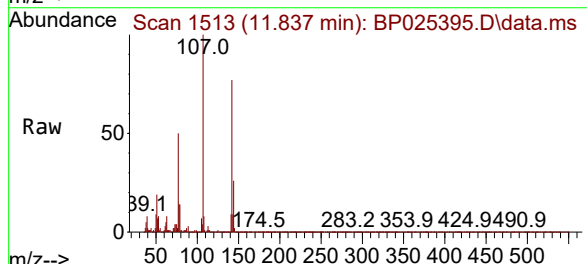
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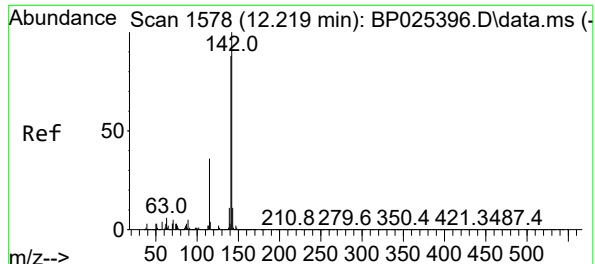
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#36
4-Chloro-3-methylphenol
Concen: 19.551 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 209817
Ion Ratio Lower Upper
107 100
144 25.5 21.0 31.4
142 77.1 64.6 97.0





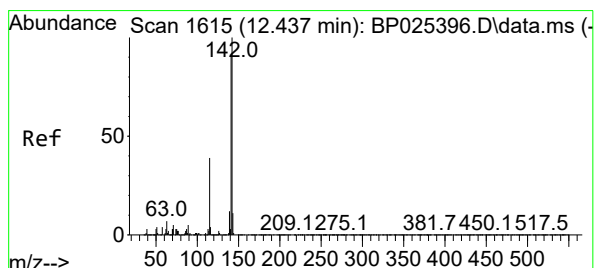
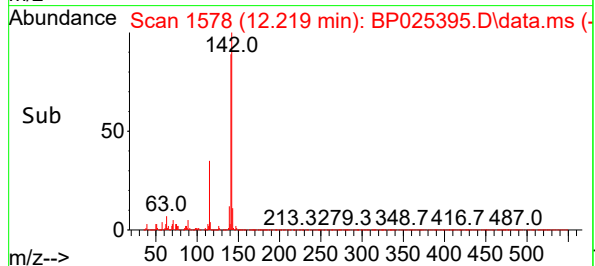
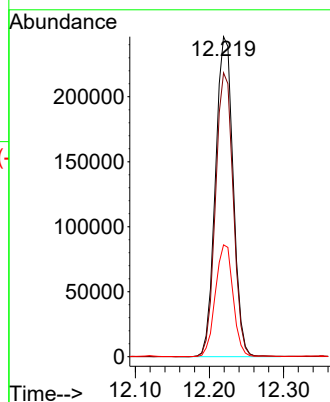
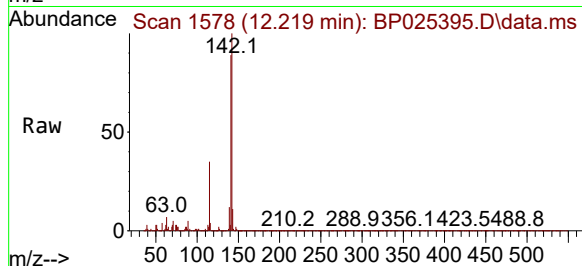
#37
2-Methylnaphthalene
Concen: 20.057 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 40961
Ion Ratio Lower Upper
142 100
141 88.7 70.3 105.5
115 35.0 28.9 43.3

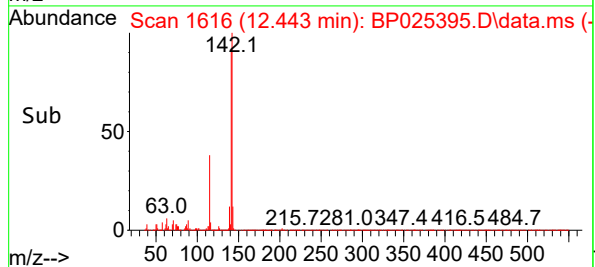
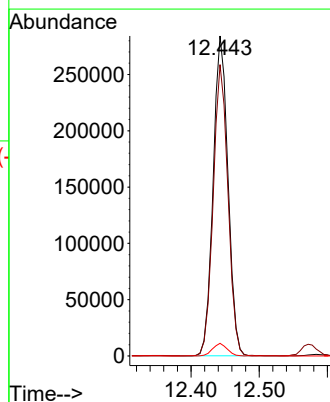
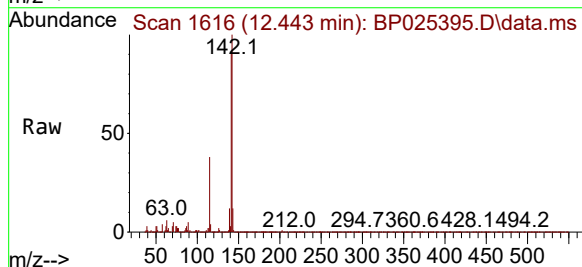
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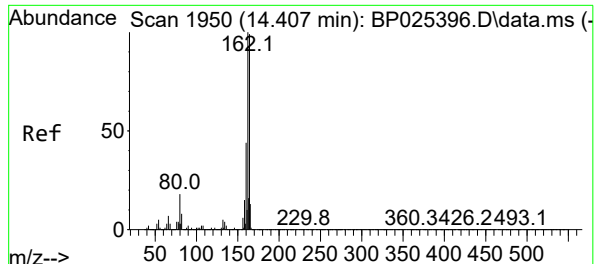
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#38
1-Methylnaphthalene
Concen: 19.829 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:142 Resp: 430666
Ion Ratio Lower Upper
142 100
141 91.1 73.1 109.7
116 3.9 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.413 min Scan# 1951

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

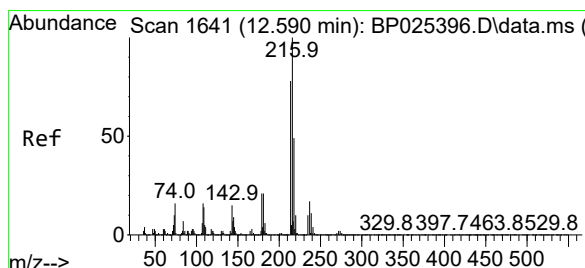
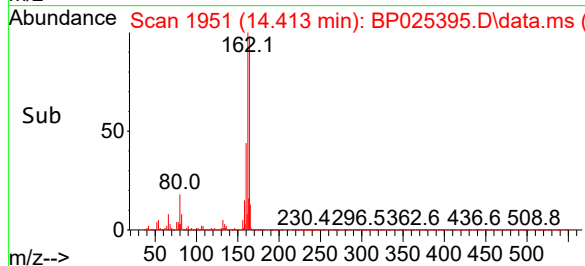
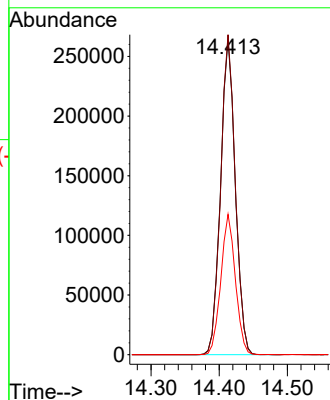
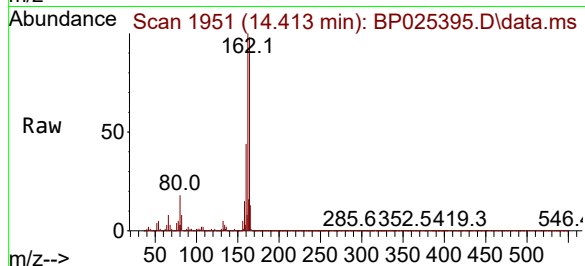
SSTDICC020

Tgt Ion:	164	Resp:	399034
Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.0	121.6
160	44.6	35.4	53.2

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.263 ng

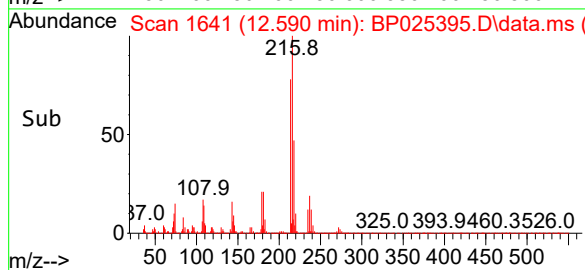
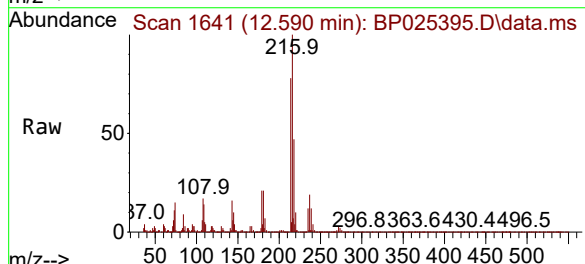
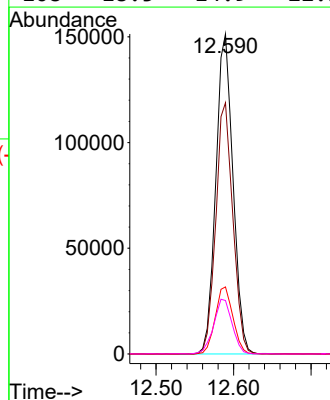
RT: 12.590 min Scan# 1641

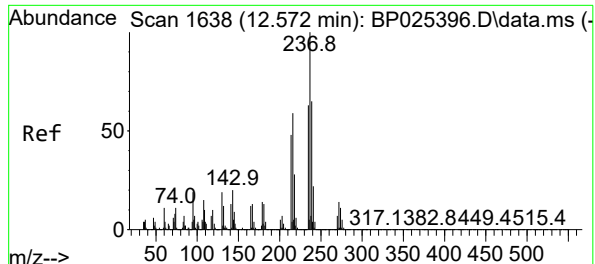
Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

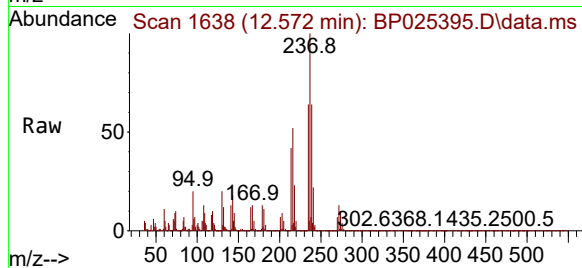
Tgt Ion:	216	Resp:	233523
Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.4
179	21.6	17.1	25.7
108	18.5	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 17.922 ng
RT: 12.572 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

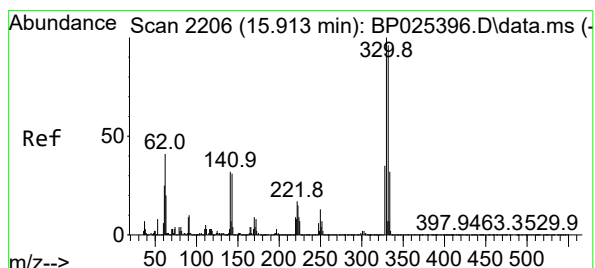
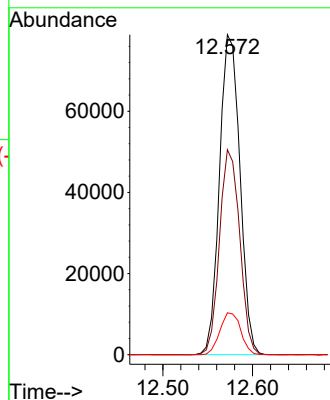
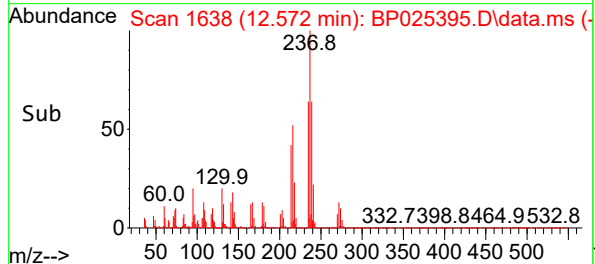
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



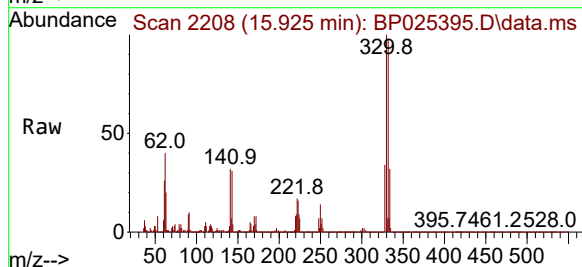
Tgt Ion: 237 Resp: 124759
Ion Ratio Lower Upper
237 100
235 64.0 42.7 82.7
272 13.1 0.0 34.0

Manual Integrations
APPROVED

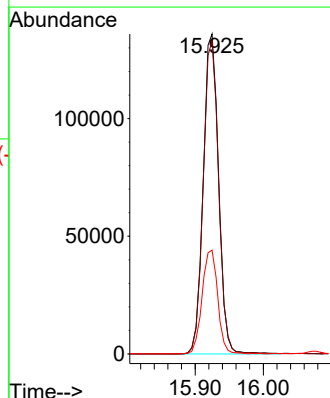
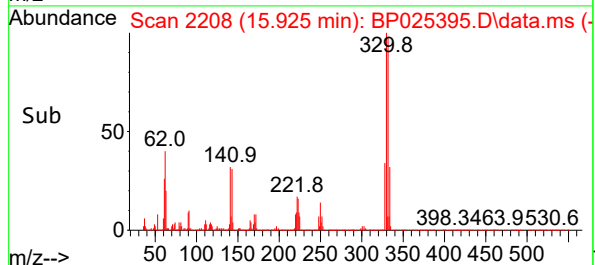
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

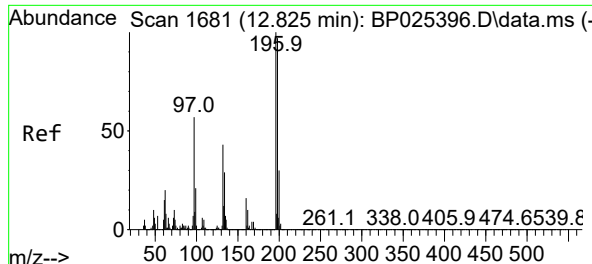


#42
2,4,6-Tribromophenol
Concen: 39.651 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



Tgt Ion: 330 Resp: 212968
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 32.8 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 19.540 ng

RT: 12.831 min Scan# 1682

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:196 Resp: 15203

Ion Ratio Lower Upper

196 100

198 96.3 77.2 115.8

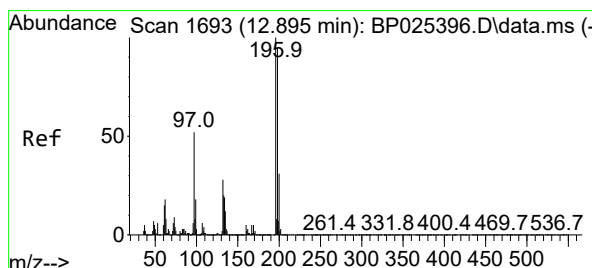
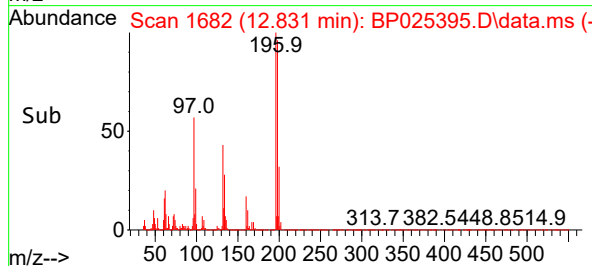
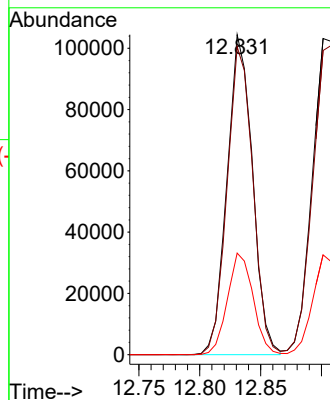
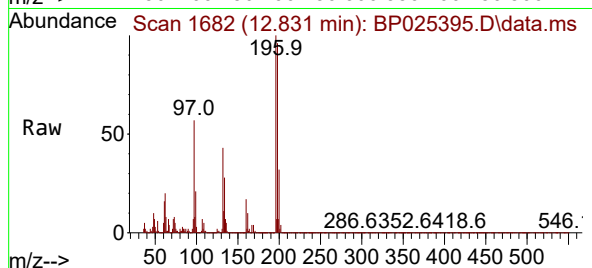
200 31.8 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#44

2,4,5-Trichlorophenol

Concen: 19.842 ng

RT: 12.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Tgt Ion:196 Resp: 169197

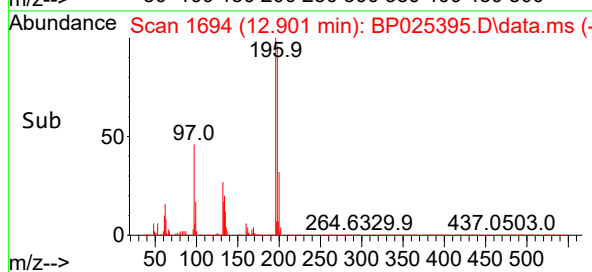
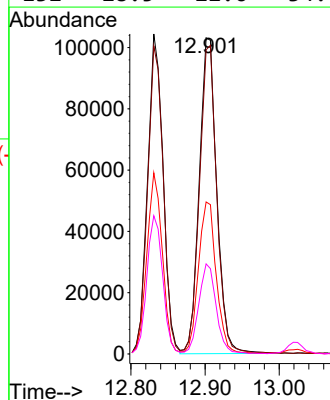
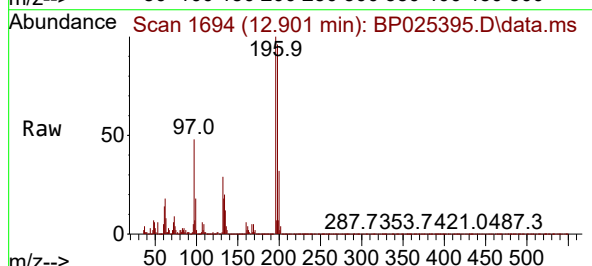
Ion Ratio Lower Upper

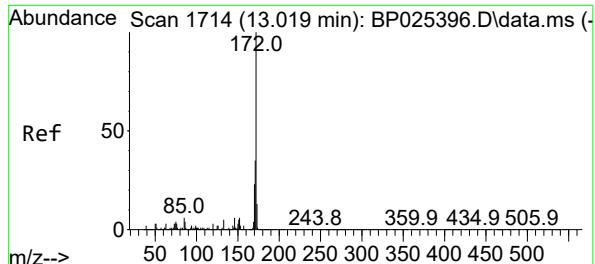
196 100

198 96.2 76.2 114.2

97 48.1 41.2 61.8

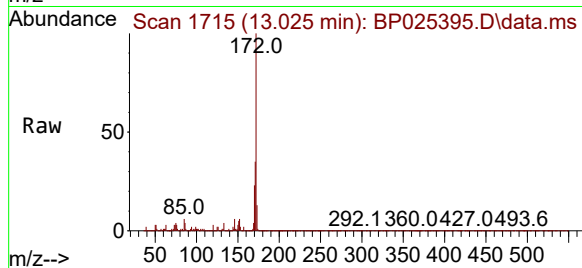
132 28.5 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 41.205 ng
RT: 13.025 min Scan# 1714
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

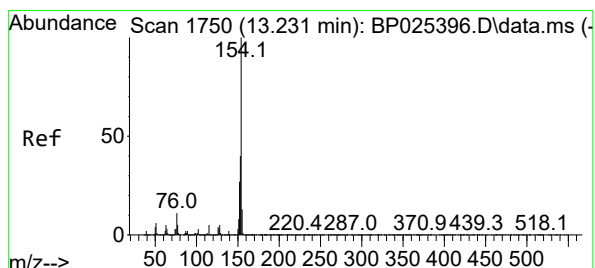
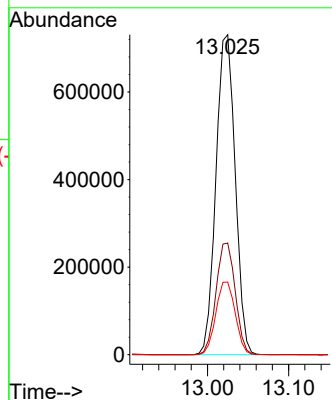
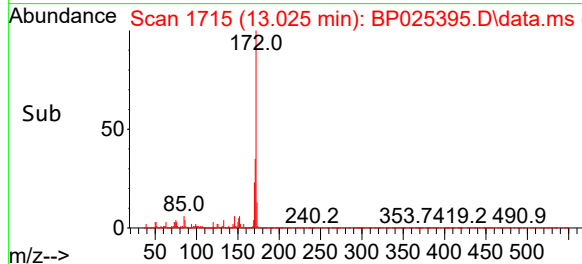
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



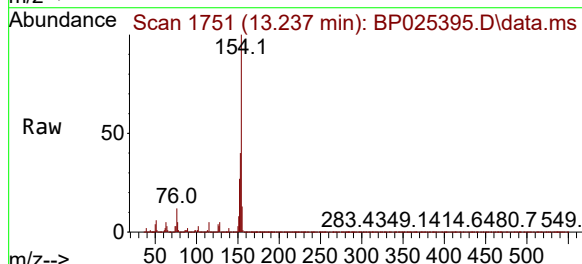
Tgt Ion:172 Resp: 1203064
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 22.7 18.6 28.0

Manual Integrations
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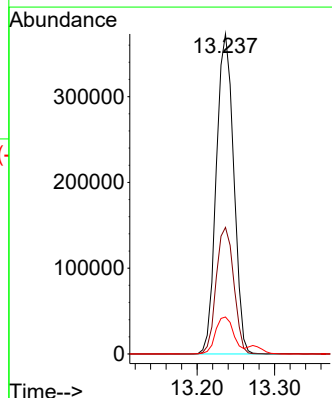
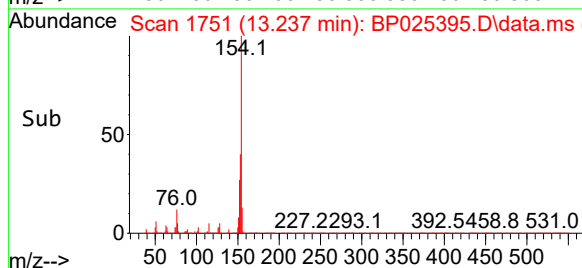
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

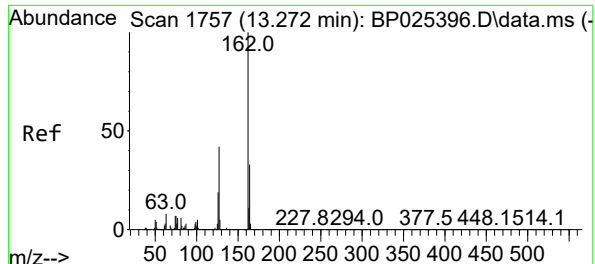


#46
1,1'-Biphenyl
Concen: 20.064 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



Tgt Ion:154 Resp: 581464
Ion Ratio Lower Upper
154 100
153 39.5 19.5 59.5
76 11.5 0.0 31.1





#47

2-Chloronaphthalene

Concen: 20.237 ng

RT: 13.272 min Scan# 1757

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

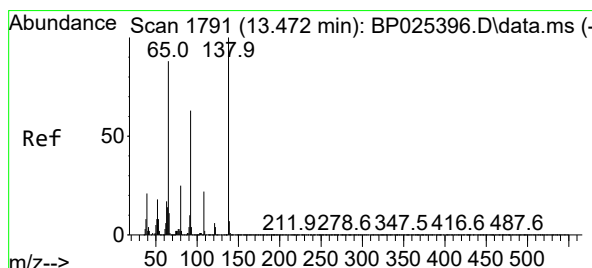
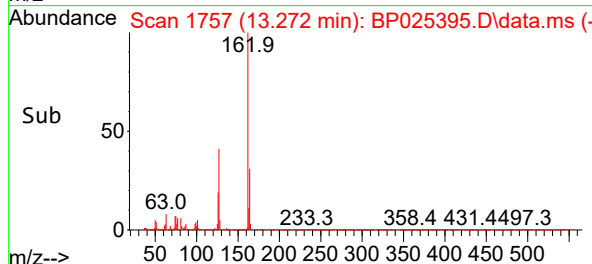
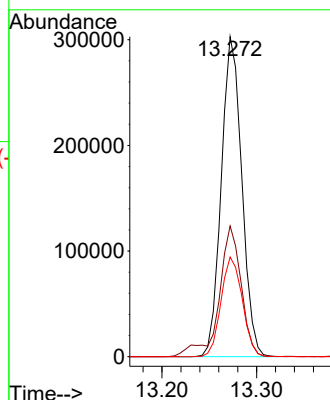
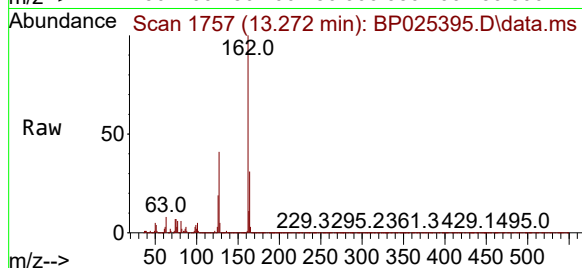
SSTDIC020

Tgt Ion:	162	Resp:	45655
Ion Ratio	Lower	Upper	
162	100		
127	40.9	33.4	50.2
164	31.2	26.2	39.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#48

2-Nitroaniline

Concen: 19.233 ng

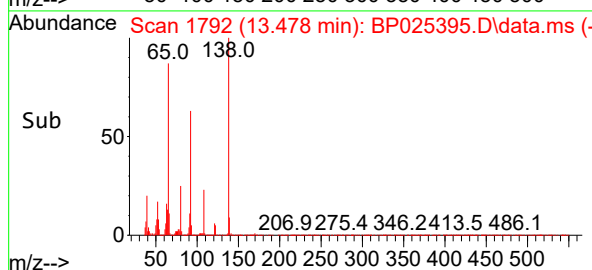
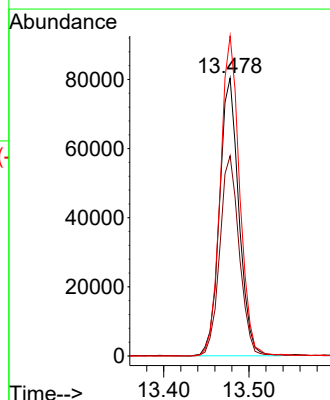
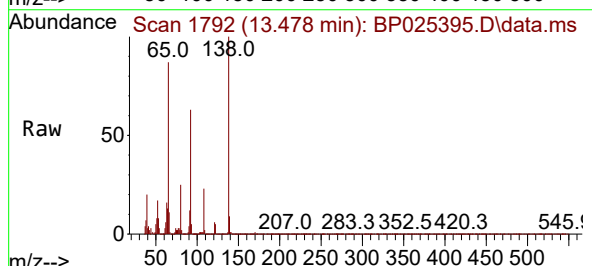
RT: 13.478 min Scan# 1792

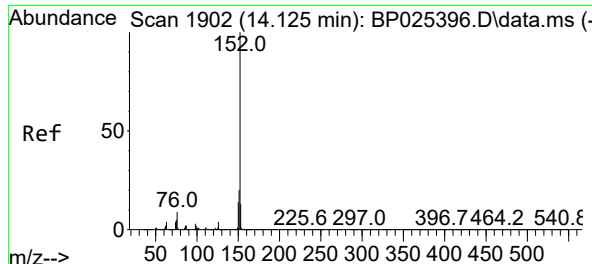
Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Tgt Ion:	65	Resp:	126433
Ion Ratio	Lower	Upper	
65	100		
92	72.0	57.6	86.4
138	115.1	91.0	136.6





#49

Acenaphthylene

Concen: 19.756 ng

RT: 14.137 min Scan# 1904

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

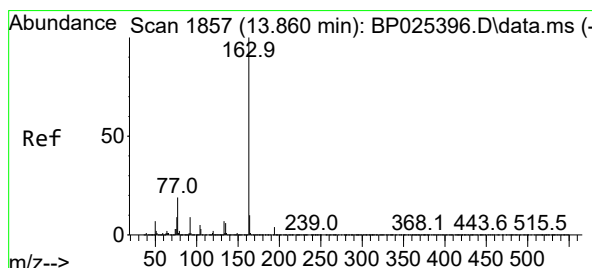
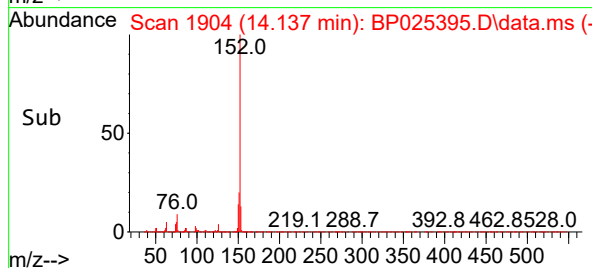
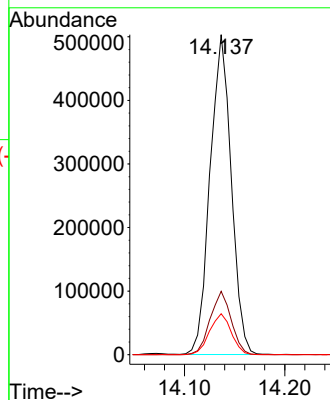
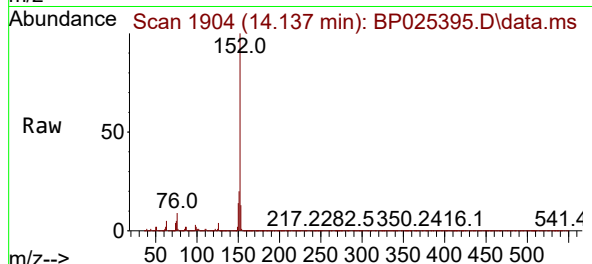
SSTDICC020

Tgt Ion:	152	Resp:	73752
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.0	24.0
153	12.8	10.6	15.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#50

Dimethylphthalate

Concen: 19.632 ng

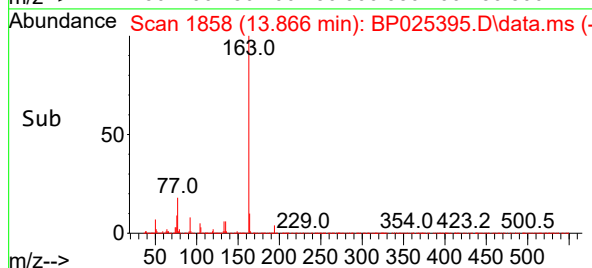
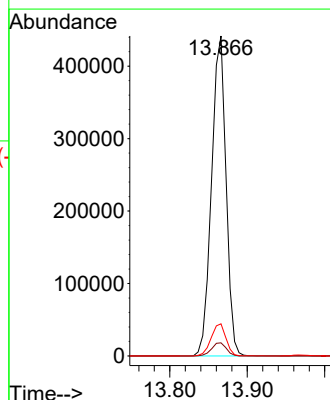
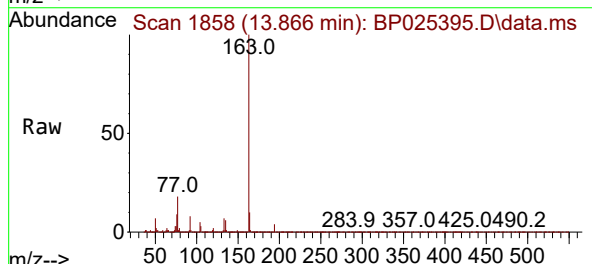
RT: 13.866 min Scan# 1858

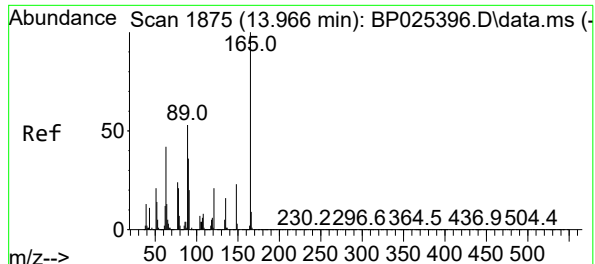
Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

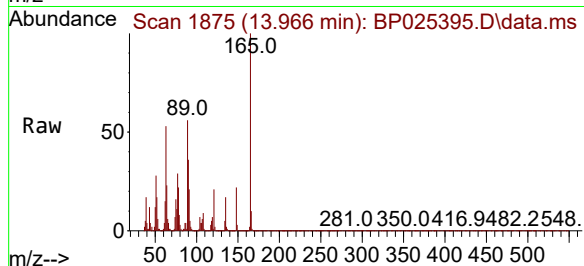
Tgt Ion:	163	Resp:	573661
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 19.597 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

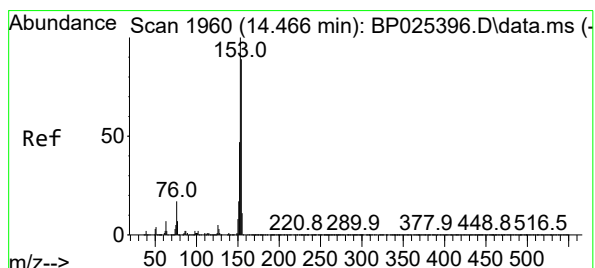
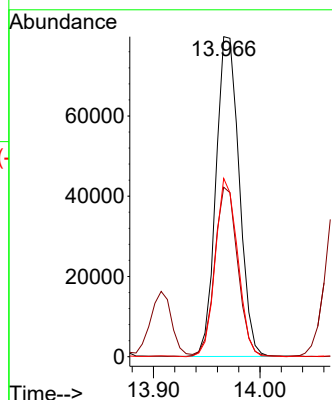
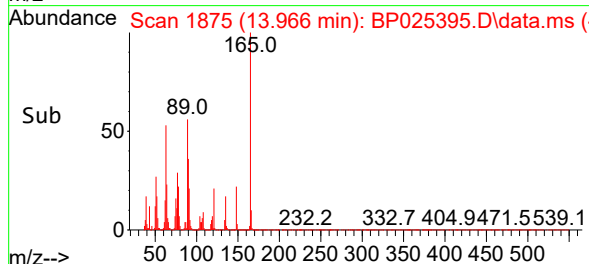
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



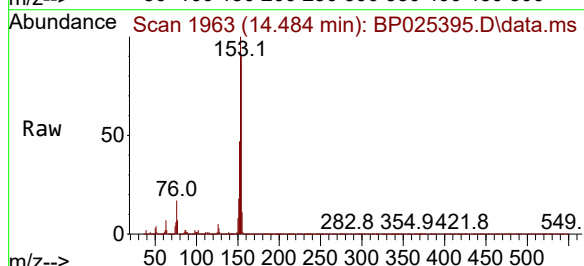
Tgt Ion:165 Resp: 12069
Ion Ratio Lower Upper
165 100
63 52.9 40.9 61.3
89 55.7 42.1 63.1

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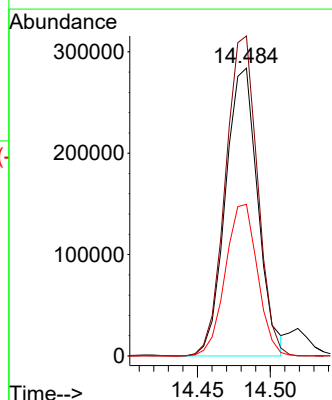
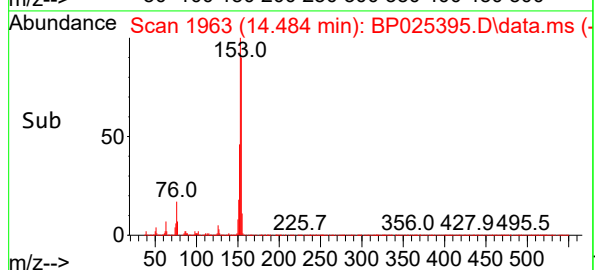
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

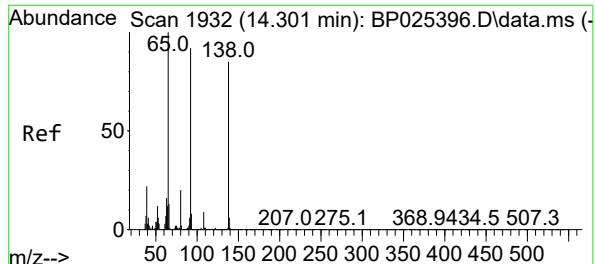


#52
Acenaphthene
Concen: 20.027 ng m
RT: 14.484 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



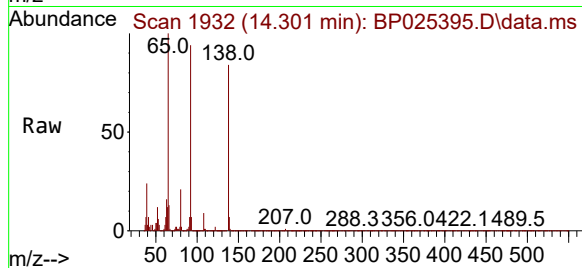
Tgt Ion:154 Resp: 438852
Ion Ratio Lower Upper
154 100
153 111.2 90.2 135.2
152 52.7 42.1 63.1





#53
3-Nitroaniline
Concen: 19.410 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

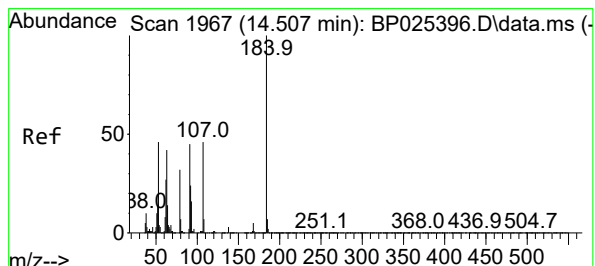
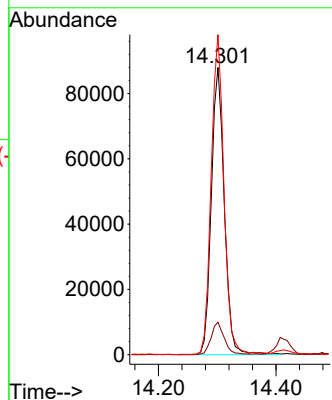
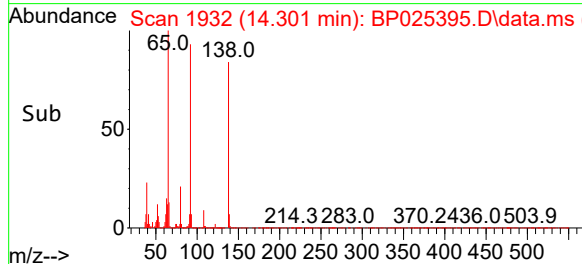
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:138 Resp: 134502
Ion Ratio Lower Upper
138 100
108 11.3 8.3 12.5
92 111.4 86.2 129.2

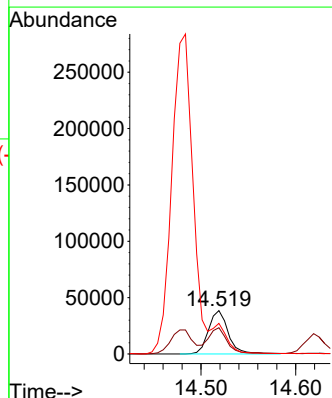
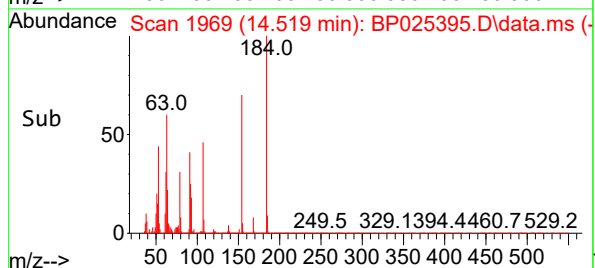
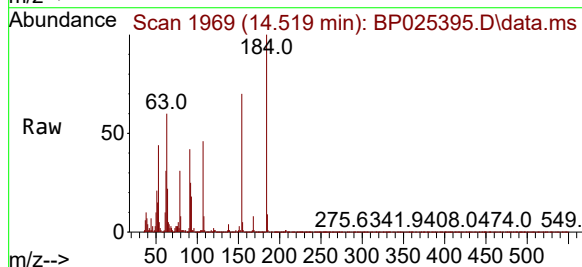
Manual Integrations
APPROVED

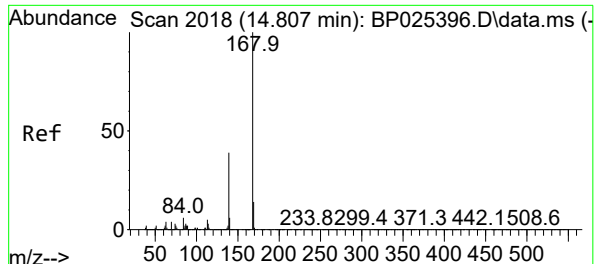
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#54
2,4-Dinitrophenol
Concen: 16.939 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:184 Resp: 55713
Ion Ratio Lower Upper
184 100
63 60.4 49.4 74.2
154 70.4 54.6 82.0





#55

Dibenzenofuran

Concen: 20.002 ng

RT: 14.819 min Scan# 20

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:168 Resp: 69296

Ion Ratio Lower Upper

168 100

139 38.6 31.5 47.3

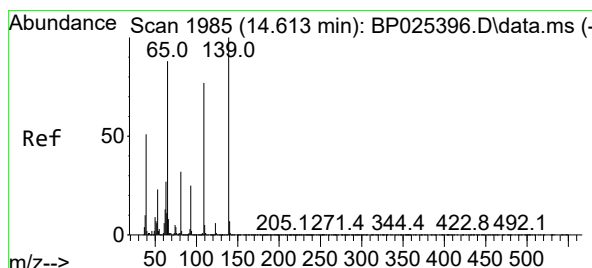
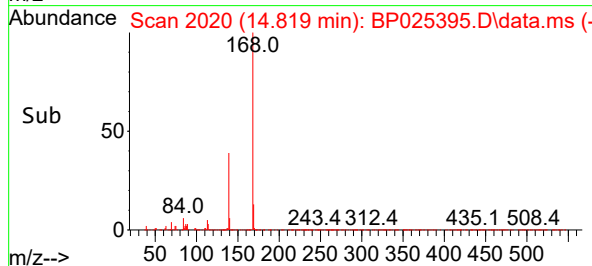
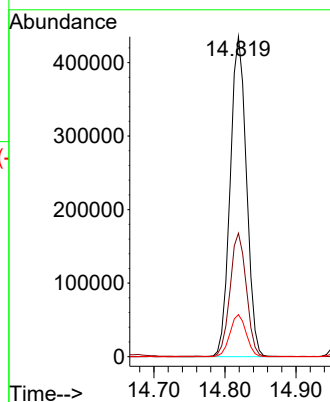
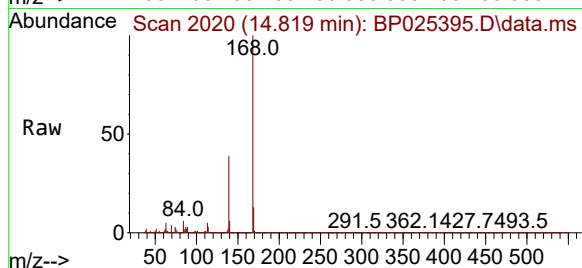
169 13.1 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#56

4-Nitrophenol

Concen: 18.578 ng

RT: 14.619 min Scan# 1986

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

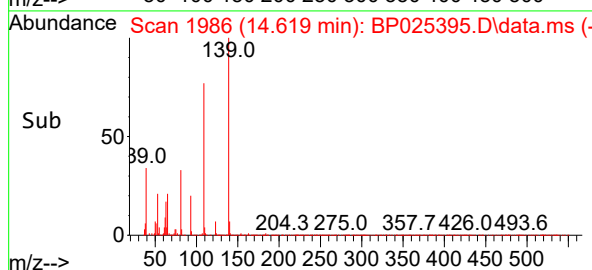
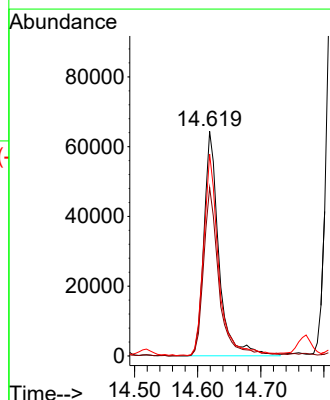
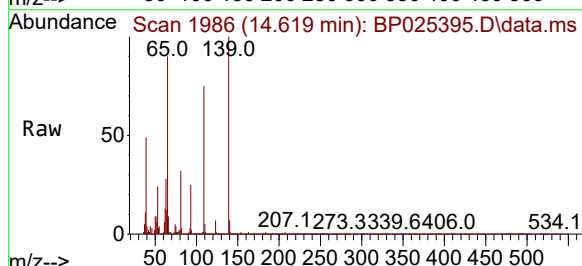
Tgt Ion:139 Resp: 105787

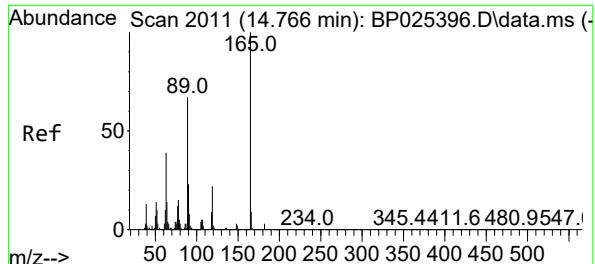
Ion Ratio Lower Upper

139 100

109 75.0 56.6 96.6

65 89.8 68.2 108.2





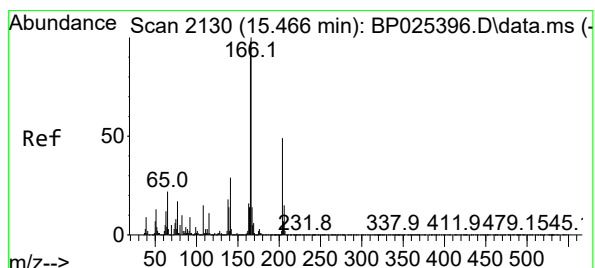
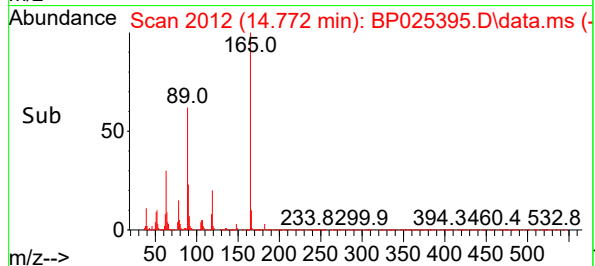
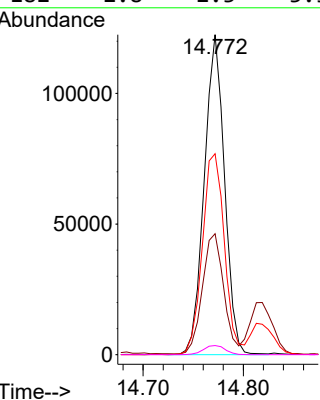
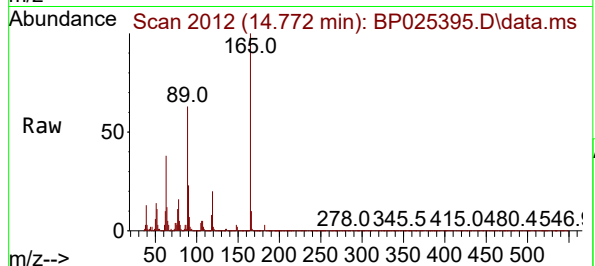
#57
2,4-Dinitrotoluene
Concen: 19.576 ng
RT: 14.772 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 172020
Ion Ratio Lower Upper
165 100
63 37.8 31.4 47.2
89 62.8 53.3 79.9
182 2.8 2.3 3.5

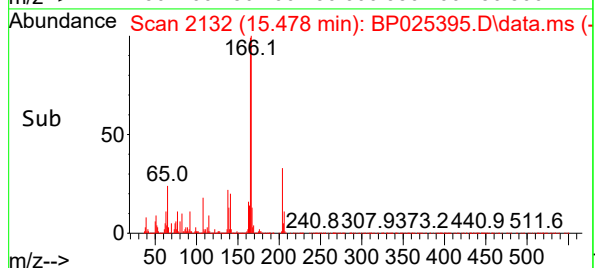
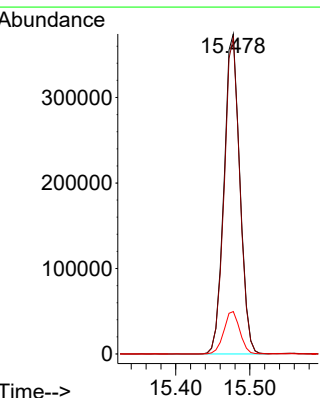
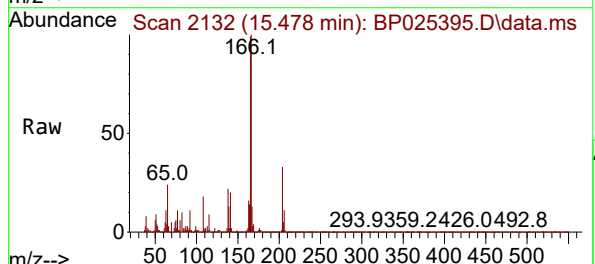
Manual Integrations
APPROVED

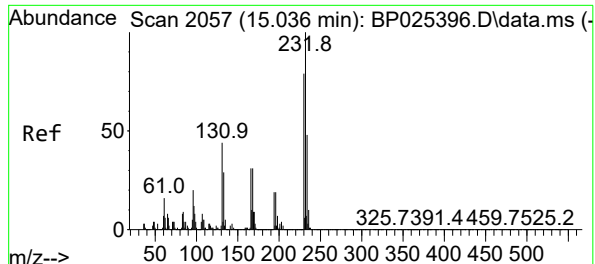
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#58
Fluorene
Concen: 20.289 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:166 Resp: 554647
Ion Ratio Lower Upper
166 100
165 98.8 78.8 118.2
167 13.3 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 19.381 ng

RT: 15.048 min Scan# 2057

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:232 Resp: 145920

Ion Ratio Lower Upper

232 100

131 45.5 37.0 55.6

130 2.7 1.9 2.9

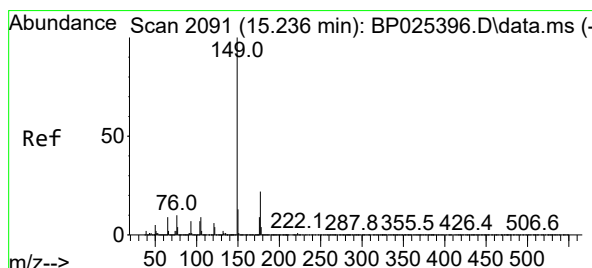
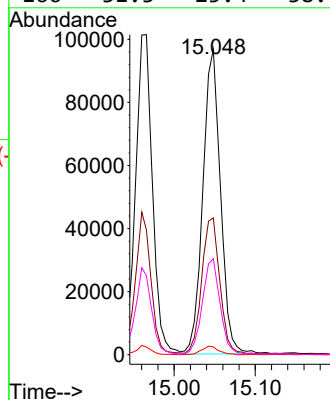
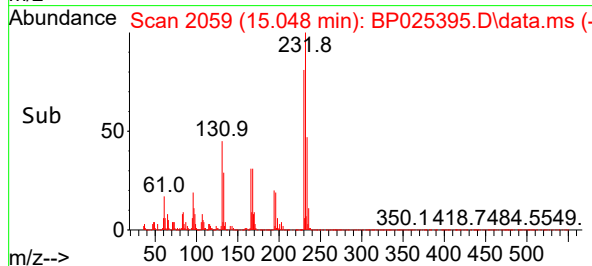
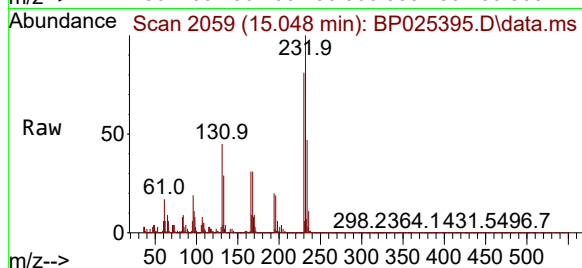
166 31.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#60

Diethylphthalate

Concen: 19.689 ng

RT: 15.248 min Scan# 2093

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

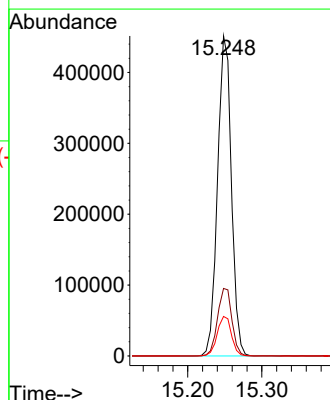
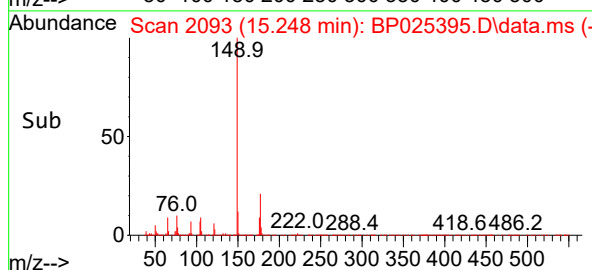
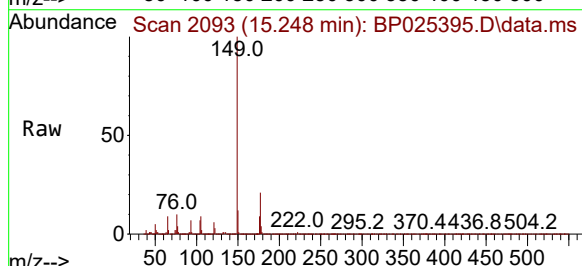
Tgt Ion:149 Resp: 584590

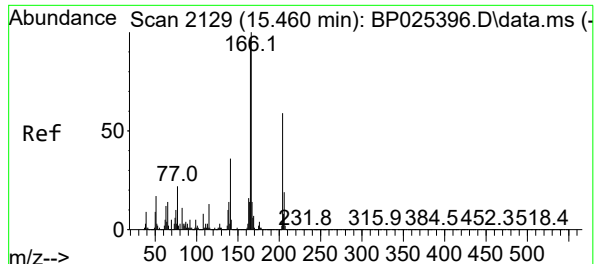
Ion Ratio Lower Upper

149 100

177 21.1 17.3 25.9

150 12.4 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 19.929 ng
RT: 15.472 min Scan# 2113
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

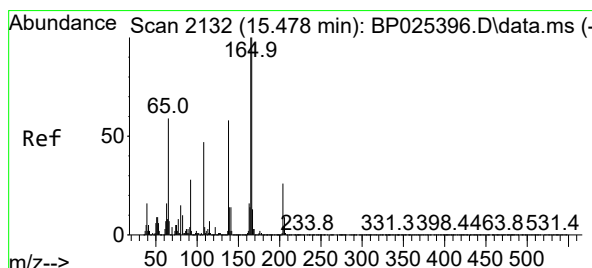
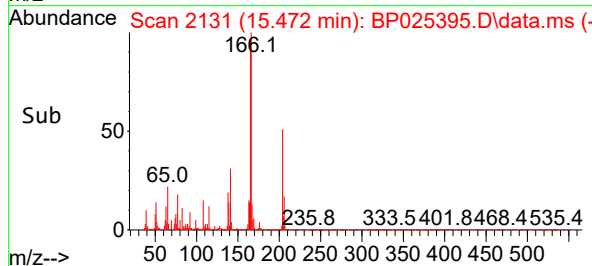
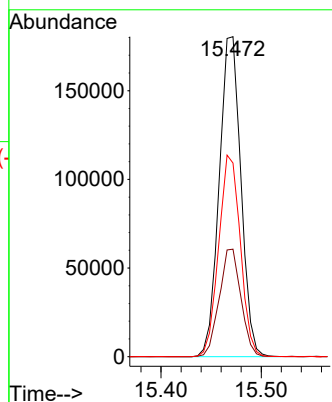
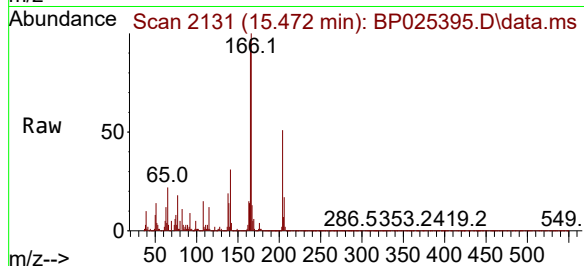
ClientSampleId :

SSTDICC020

Tgt Ion:204 Resp: 270949
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 60.5 49.4 74.2

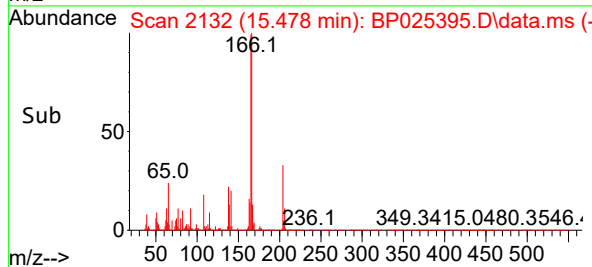
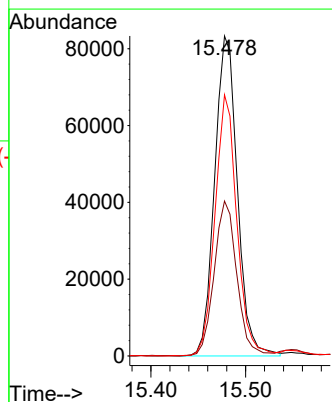
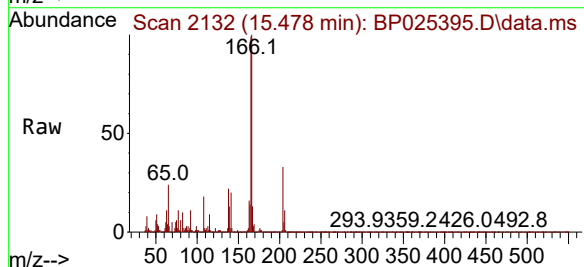
Manual Integrations
APPROVED

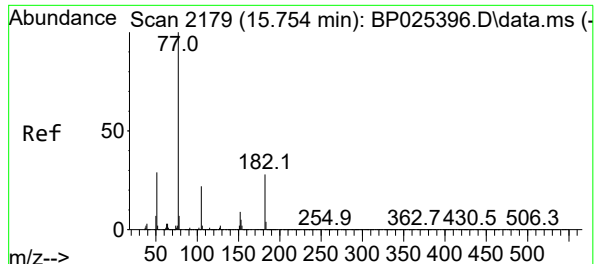
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#62
4-Nitroaniline
Concen: 19.595 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

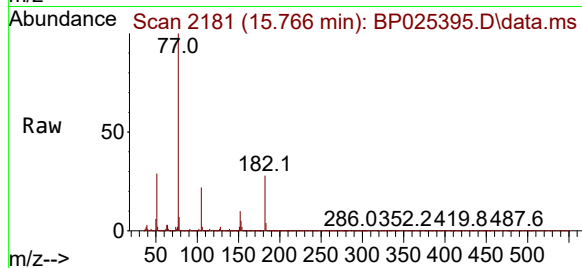
Tgt Ion:138 Resp: 139202
Ion Ratio Lower Upper
138 100
92 48.4 29.1 69.1
108 81.6 61.5 101.5





#63
Azobenzene
Concen: 20.004 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

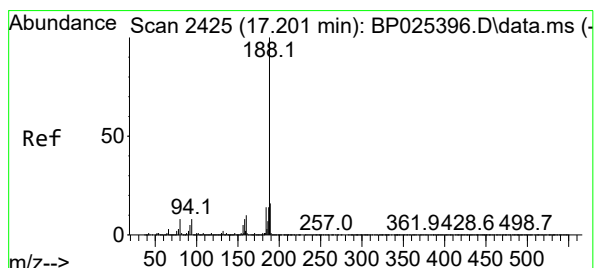
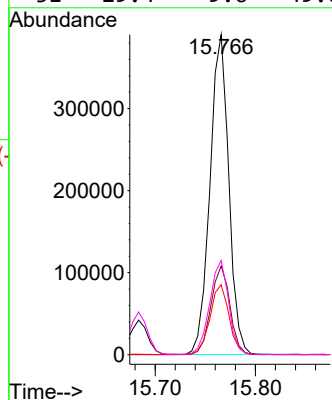
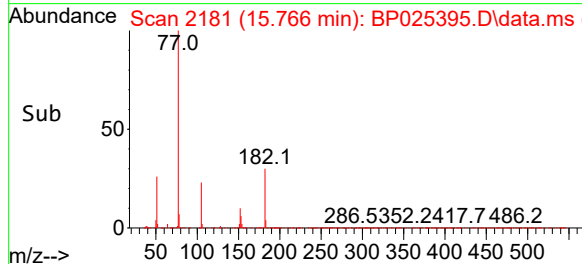
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



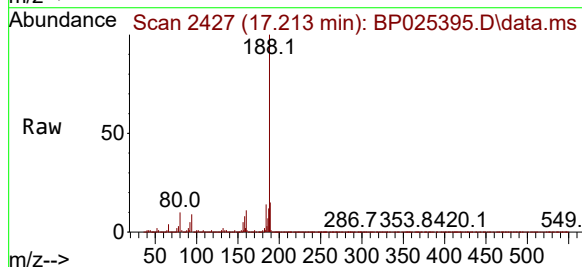
Tgt Ion: 77 Resp: 50856
Ion Ratio Lower Upper
77 100
182 27.7 7.5 47.5
105 21.9 2.1 42.1
51 29.4 9.6 49.6

Manual Integrations
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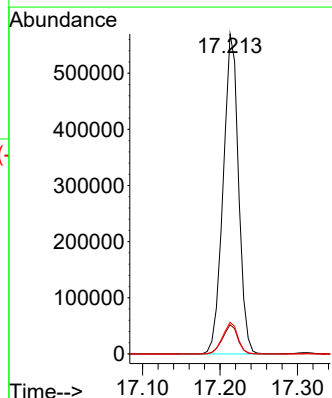
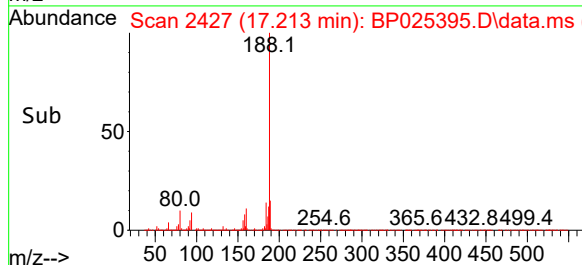
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

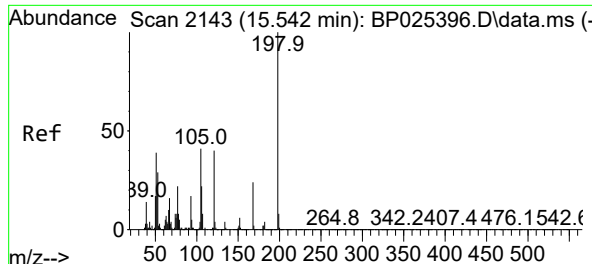


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



Tgt Ion:188 Resp: 785736
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.9 6.7 10.1





#65

4,6-Dinitro-2-methylphenol

Concen: 18.169 ng

RT: 15.548 min Scan# 2143

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:198 Resp: 88992

Ion Ratio Lower Upper

198 100

51 42.6 19.6 59.6

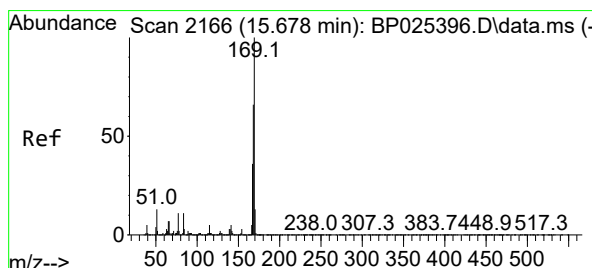
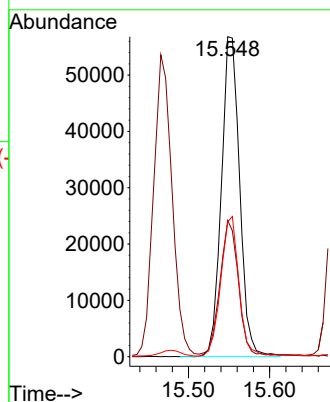
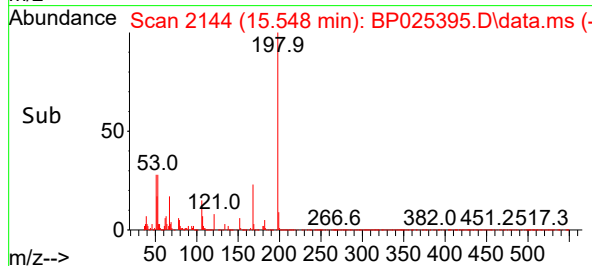
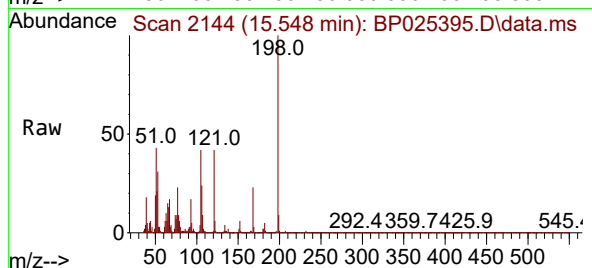
105 42.2 20.9 60.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#66

n-Nitrosodiphenylamine

Concen: 19.911 ng

RT: 15.684 min Scan# 2167

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

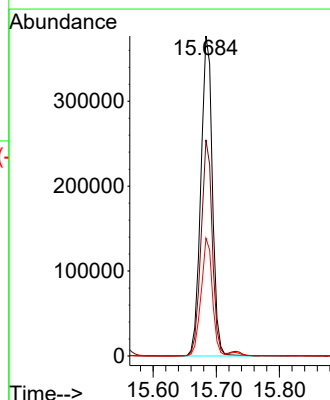
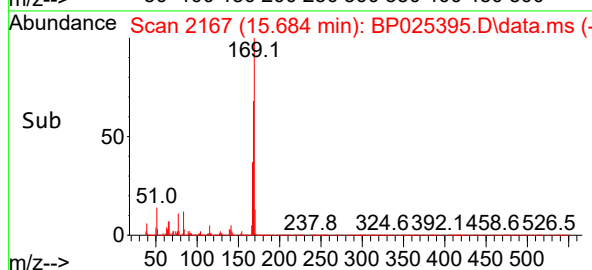
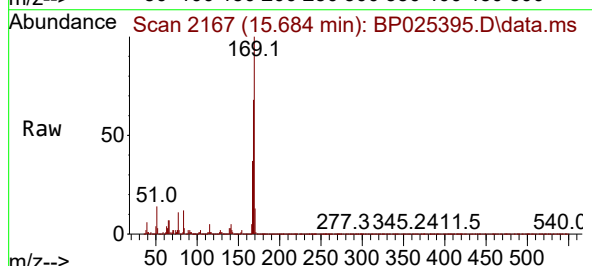
Tgt Ion:169 Resp: 477080

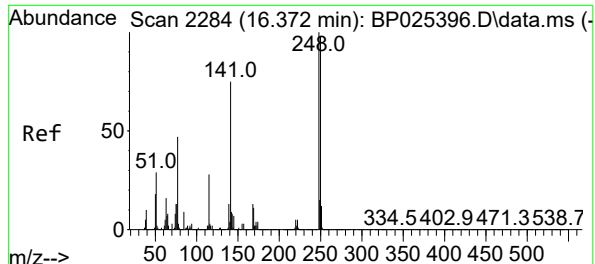
Ion Ratio Lower Upper

169 100

168 67.5 53.2 79.8

167 36.8 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 19.758 ng

RT: 16.389 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:248 Resp: 170738

Ion Ratio Lower Upper

248 100

250 101.4 78.2 117.2

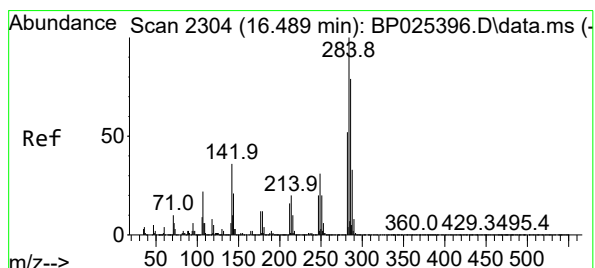
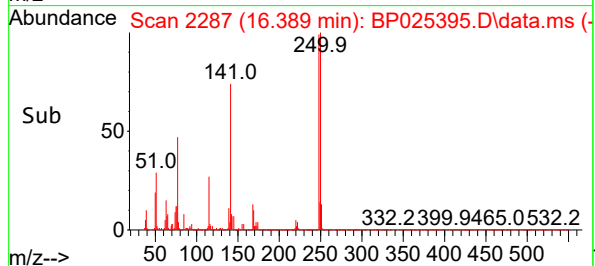
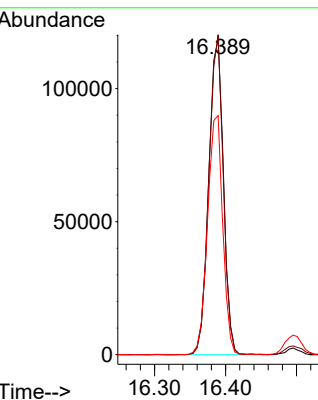
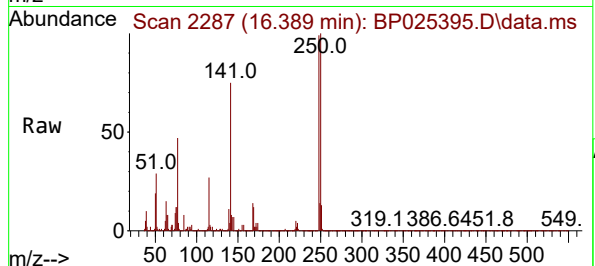
141 75.7 59.6 89.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#68

Hexachlorobenzene

Concen: 19.906 ng

RT: 16.495 min Scan# 2305

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

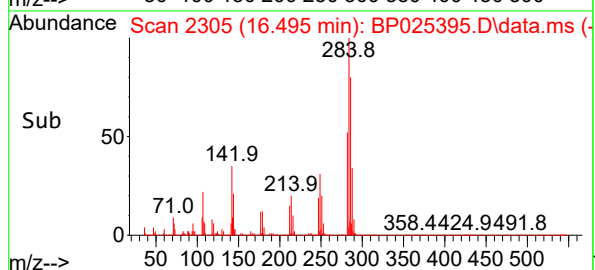
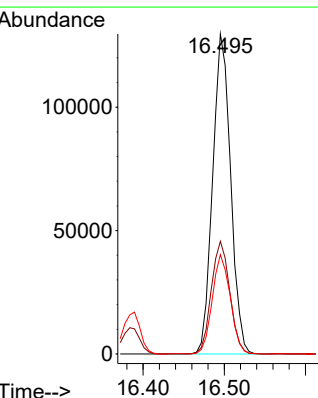
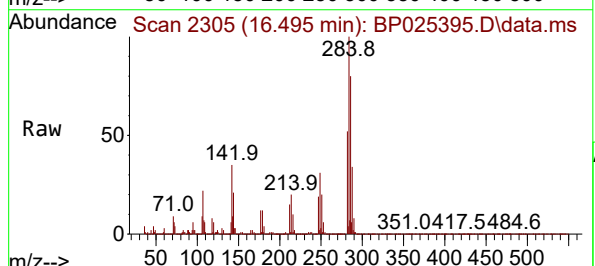
Tgt Ion:284 Resp: 199410

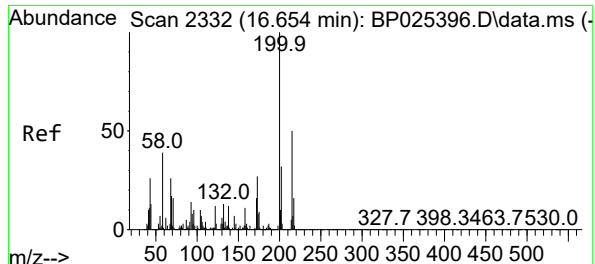
Ion Ratio Lower Upper

284 100

142 35.2 29.1 43.7

249 31.0 25.0 37.4





#69

Atrazine

Concen: 20.006 ng

RT: 16.666 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

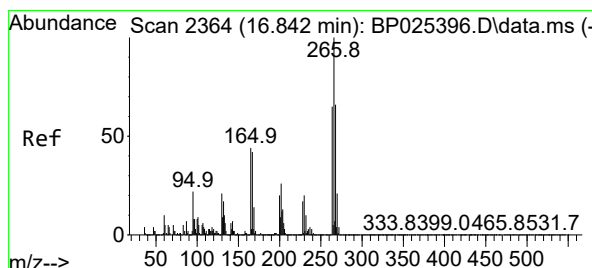
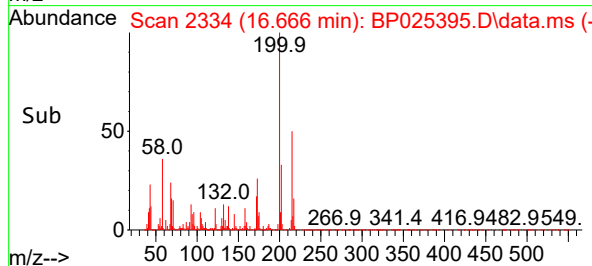
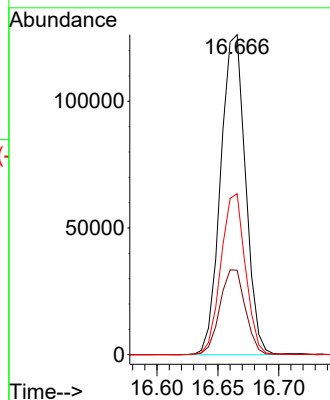
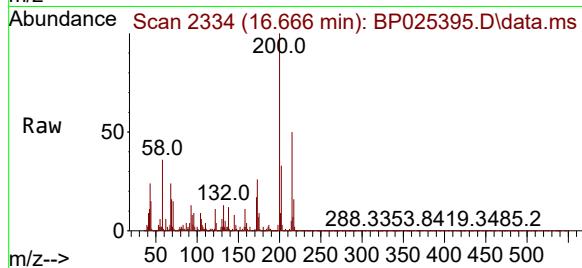
Tgt Ion	200	Resp	17951
Ion Ratio	Lower	Upper	
200	100		
173	26.4	6.7	46.7
215	50.3	29.7	69.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#70

Pentachlorophenol

Concen: 19.128 ng

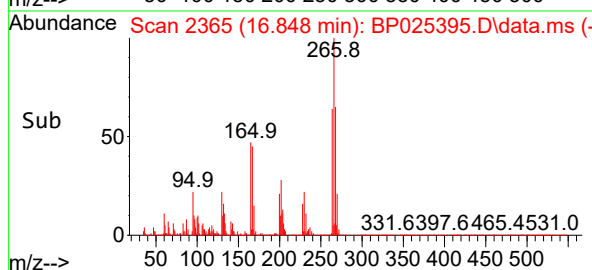
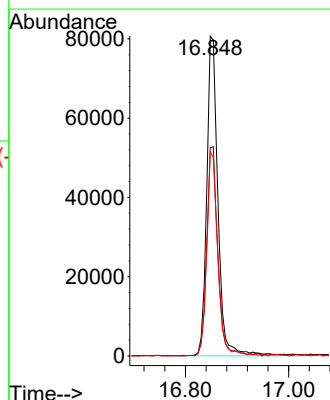
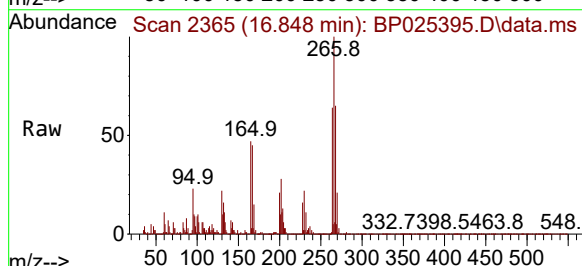
RT: 16.848 min Scan# 2365

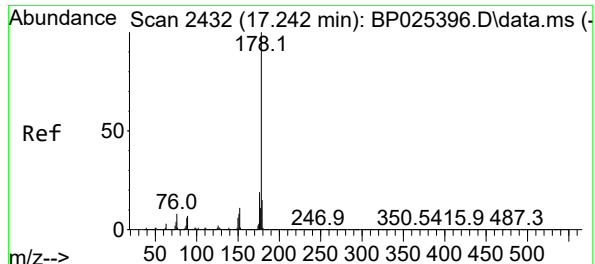
Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

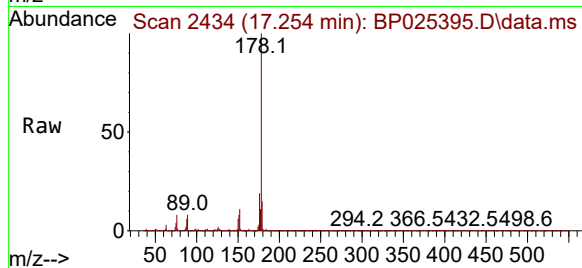
Tgt Ion	266	Resp	120958
Ion Ratio	Lower	Upper	
266	100		
268	65.1	52.6	79.0
264	63.6	52.0	78.0





#71
Phenanthrene
Concen: 20.223 ng
RT: 17.254 min Scan# 2432
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

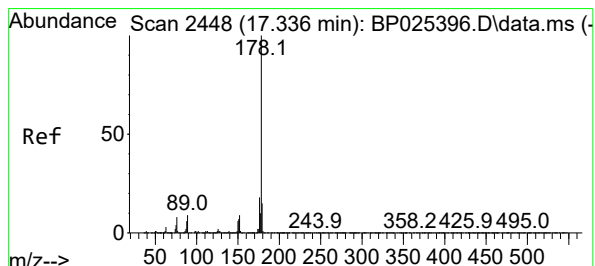
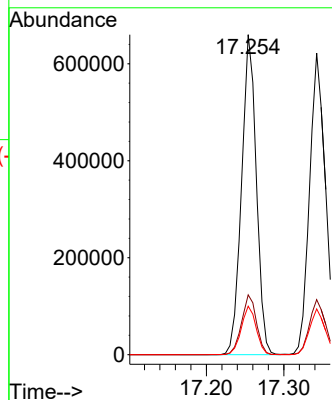
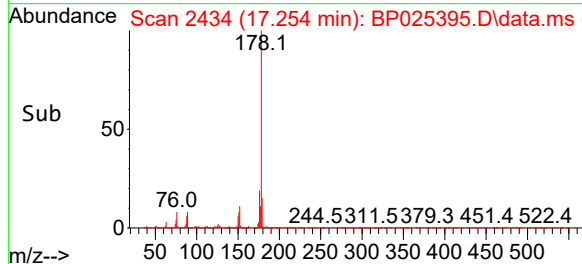
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:178 Resp: 872890
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.2 12.2 18.4

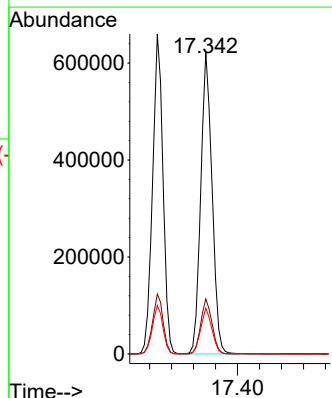
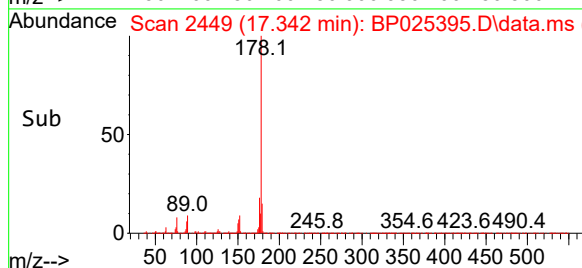
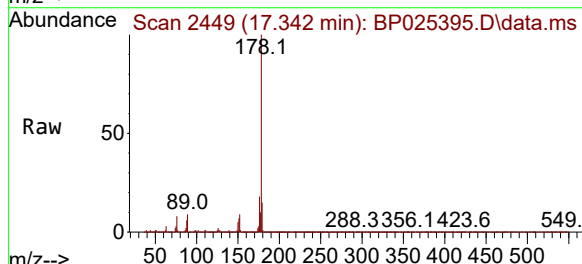
Manual Integrations
APPROVED

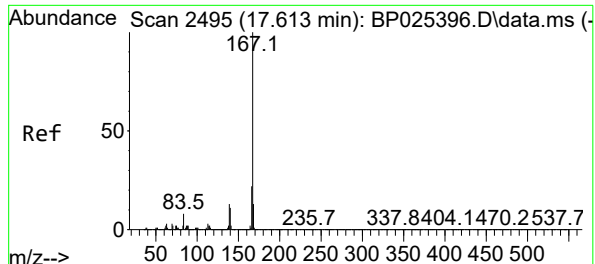
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#72
Anthracene
Concen: 20.198 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

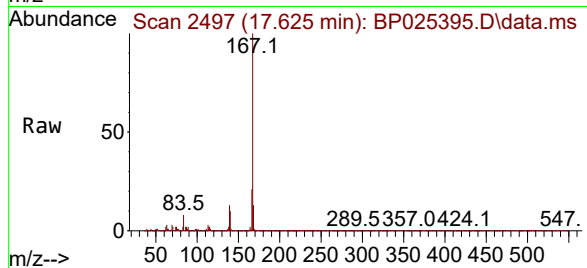
Tgt Ion:178 Resp: 890292
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.2 12.2 18.2





#73
Carbazole
Concen: 20.328 ng
RT: 17.625 min Scan# 2497
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

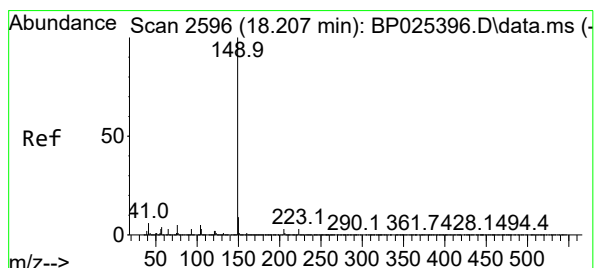
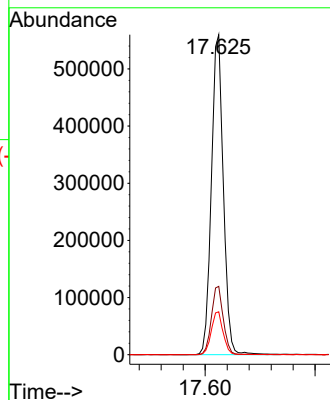
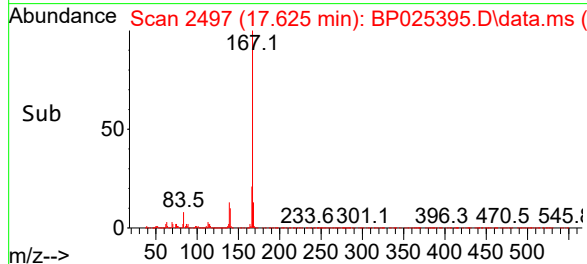
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:167 Resp: 843970
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 13.4 10.6 16.0

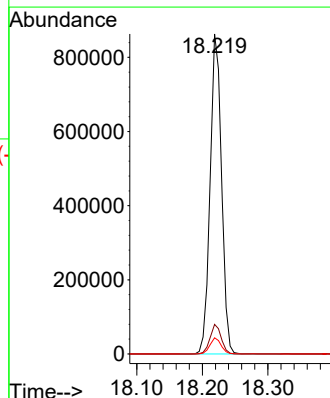
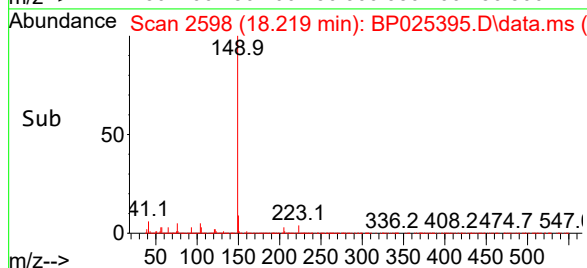
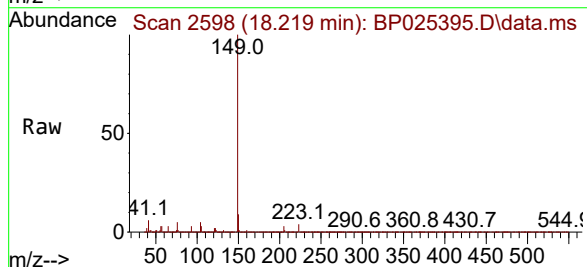
Manual Integrations
APPROVED

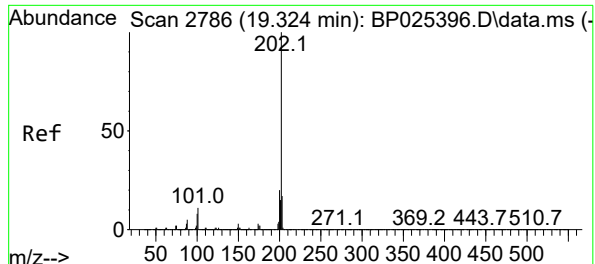
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#74
Di-n-butylphthalate
Concen: 20.491 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

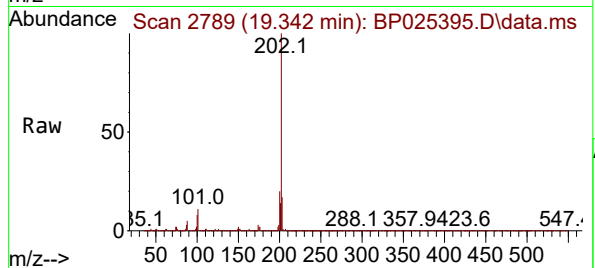
Tgt Ion:149 Resp: 1046709
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 20.567 ng
RT: 19.342 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

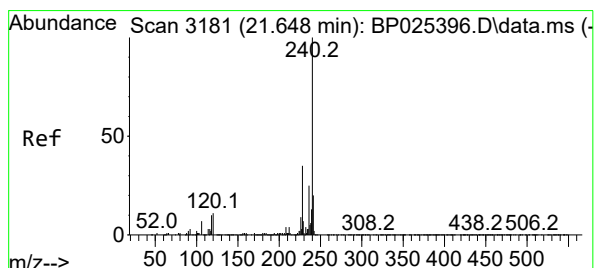
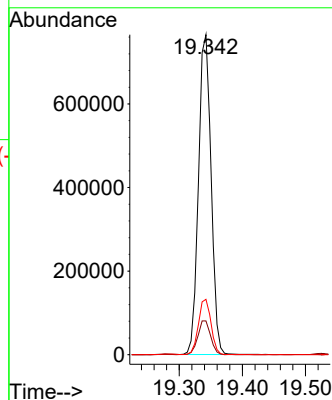
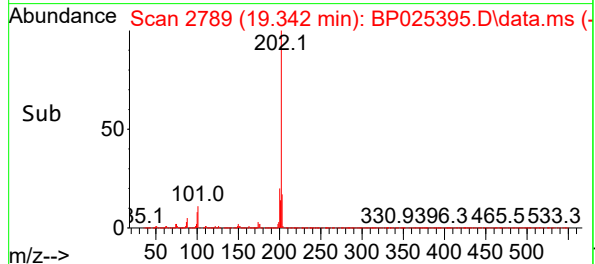
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 105891
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.1
203 17.3 0.0 37.3

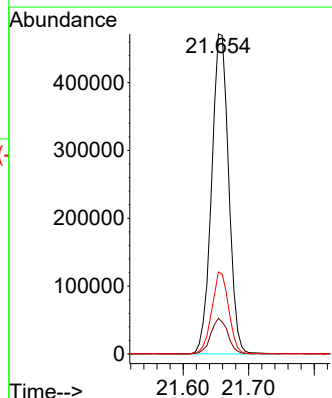
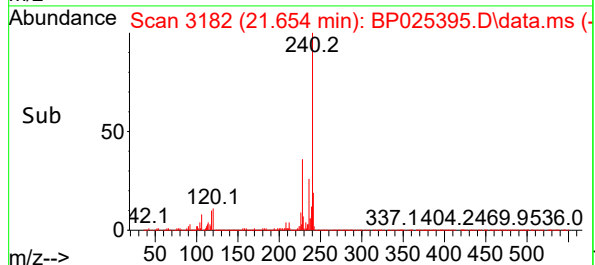
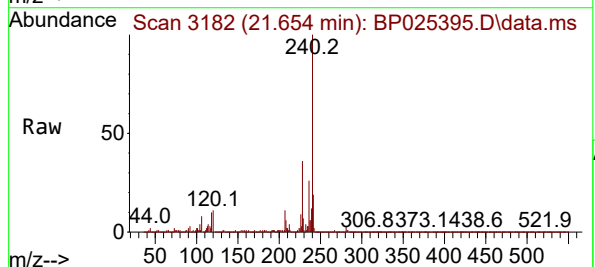
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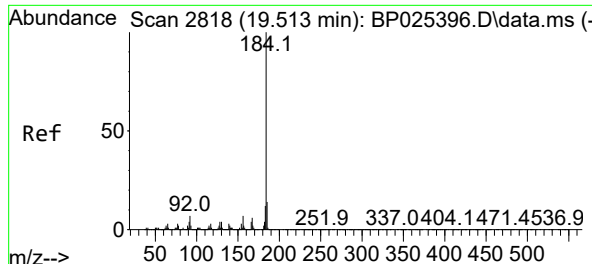
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

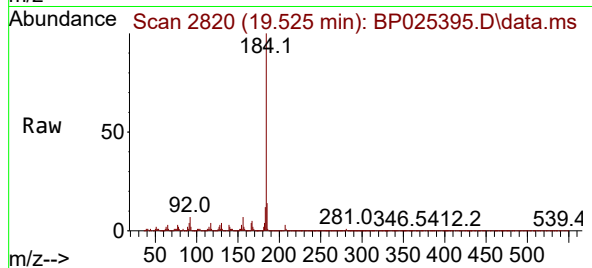
Tgt Ion:240 Resp: 852065
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.6 19.8 29.8





#77
Benzidine
Concen: 18.799 ng
RT: 19.525 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

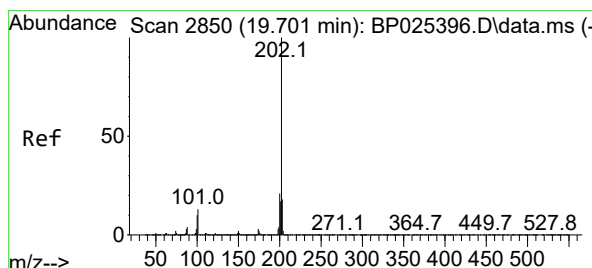
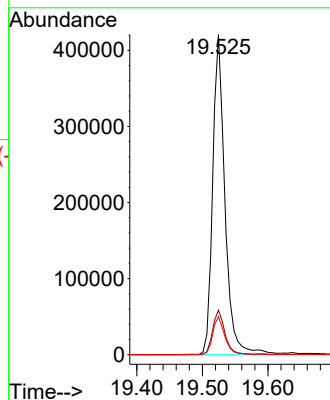
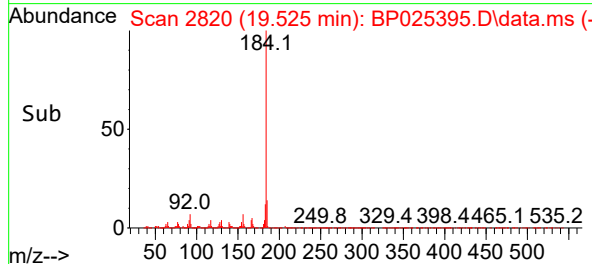
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:184 Resp: 54664
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 11.9 9.4 14.2

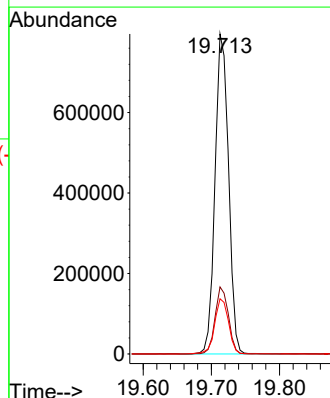
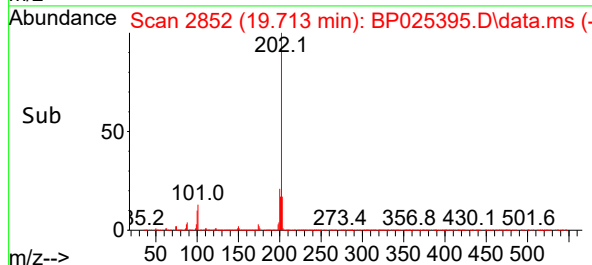
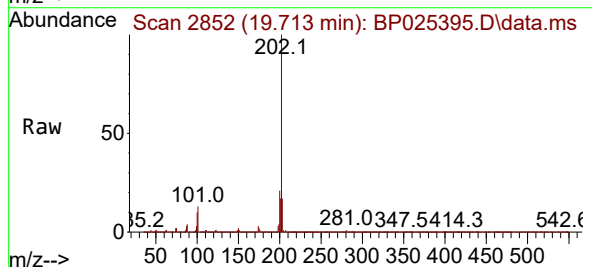
Manual Integrations
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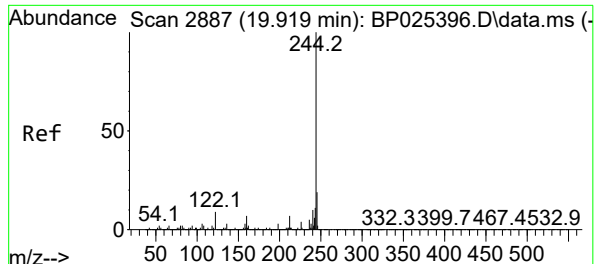
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#78
Pyrene
Concen: 19.807 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:202 Resp: 1096965
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 40.152 ng

RT: 19.930 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:244 Resp: 186995

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

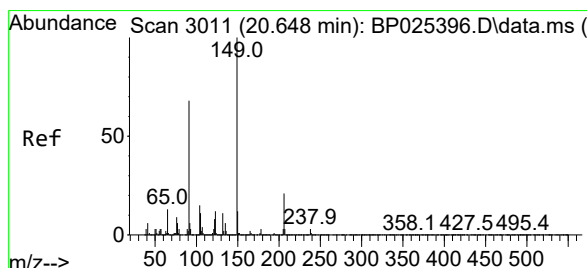
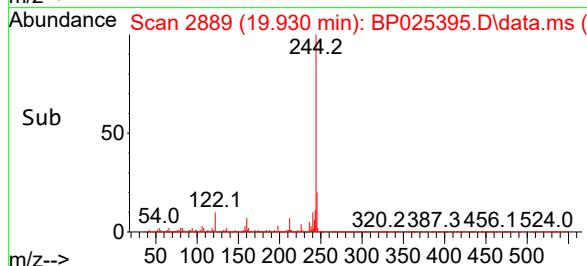
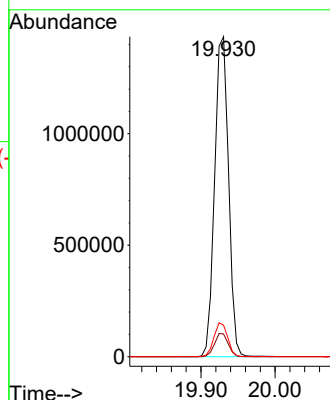
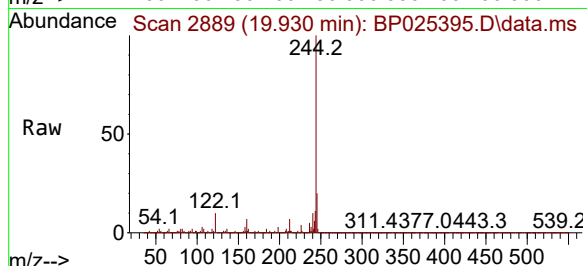
122 9.9 7.4 11.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#80

Butylbenzylphthalate

Concen: 20.081 ng

RT: 20.666 min Scan# 3014

Delta R.T. 0.018 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

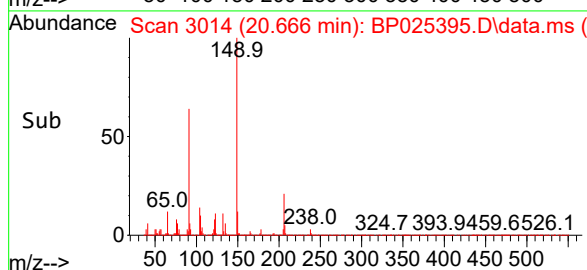
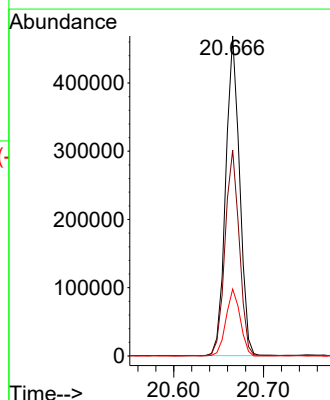
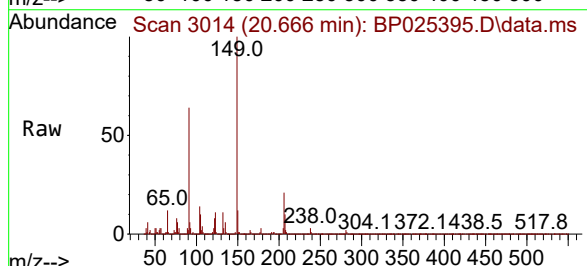
Tgt Ion:149 Resp: 504019

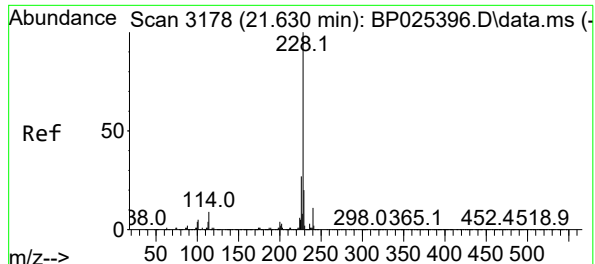
Ion Ratio Lower Upper

149 100

91 64.4 54.2 81.2

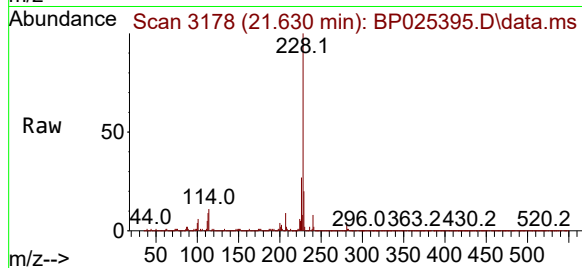
206 20.9 16.6 24.8





#81
Benzo(a)anthracene
Concen: 19.906 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

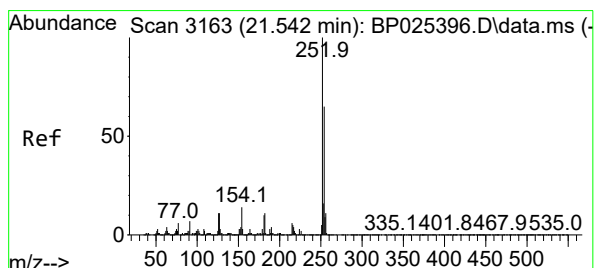
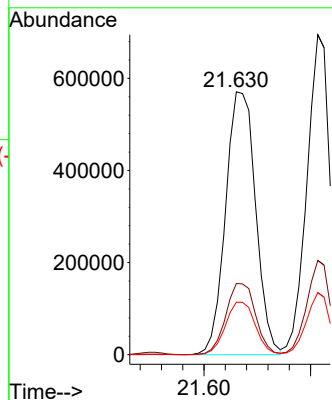
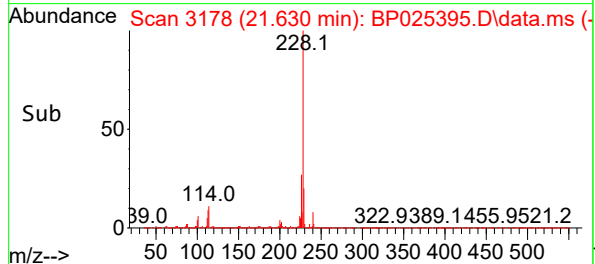
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



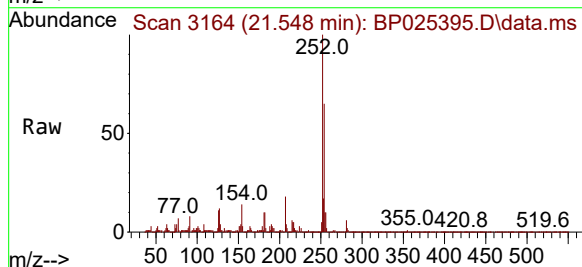
Tgt Ion: 228 Resp: 1118590
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.9 15.6 23.4

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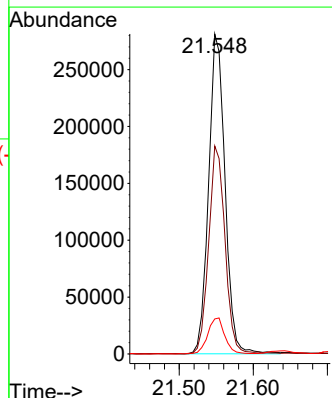
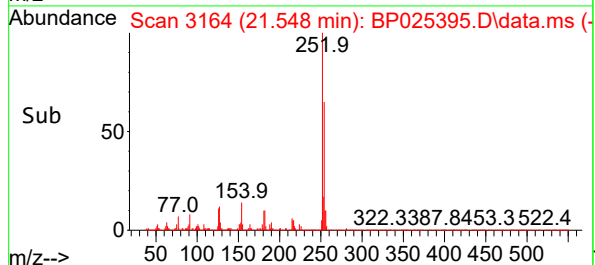
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

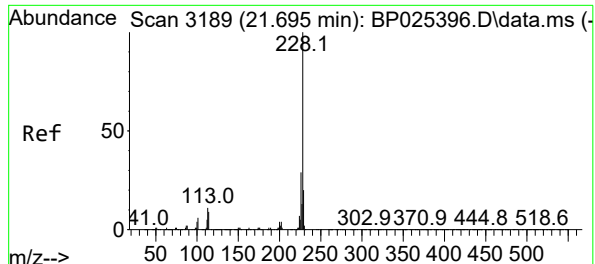


#82
3,3'-Dichlorobenzidine
Concen: 20.399 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38



Tgt Ion: 252 Resp: 432075
Ion Ratio Lower Upper
252 100
254 65.0 51.8 77.6
126 10.9 9.1 13.7





#83

Chrysene

Concen: 20.216 ng

RT: 21.707 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:228 Resp: 106389

Ion Ratio Lower Upper

228 100

226 29.4 23.2 34.8

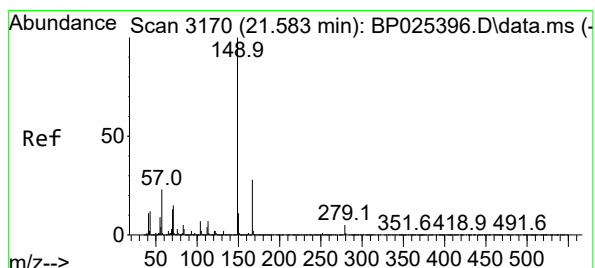
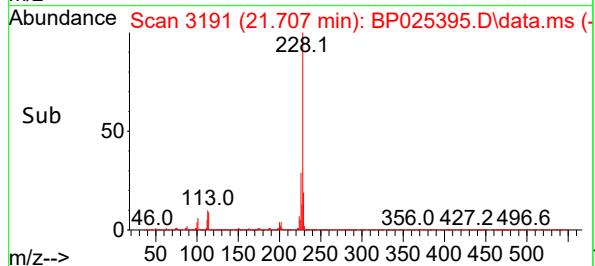
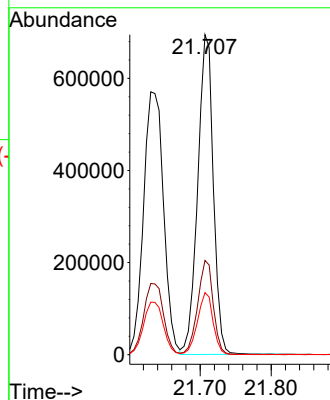
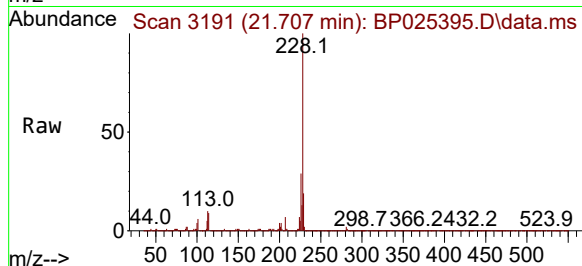
229 19.4 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.155 ng

RT: 21.577 min Scan# 3169

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

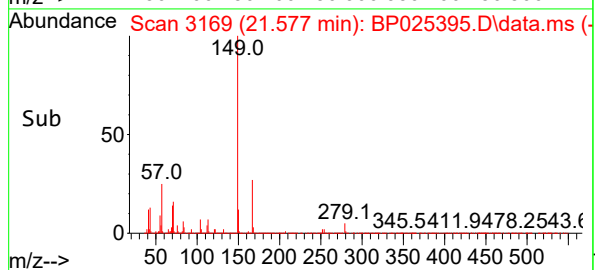
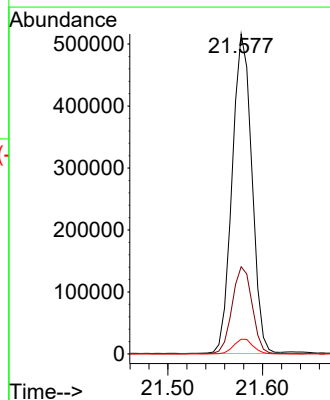
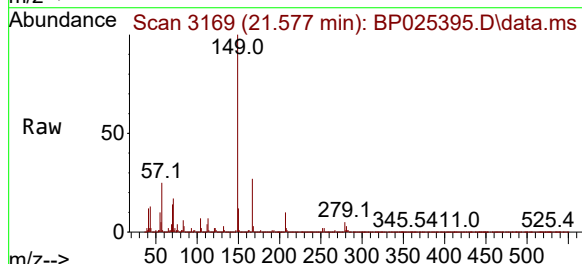
Tgt Ion:149 Resp: 744704

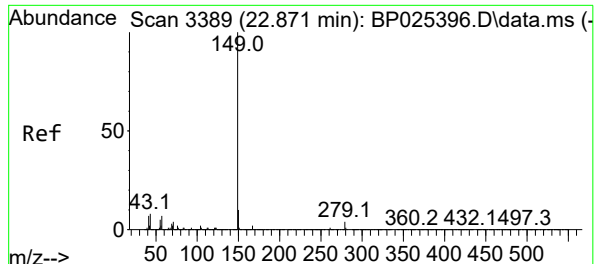
Ion Ratio Lower Upper

149 100

167 27.3 22.1 33.1

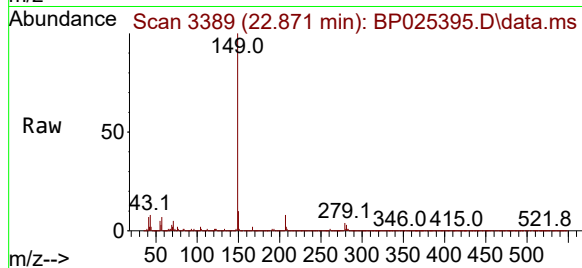
279 4.6 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 20.091 ng
RT: 22.871 min Scan# 3389
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

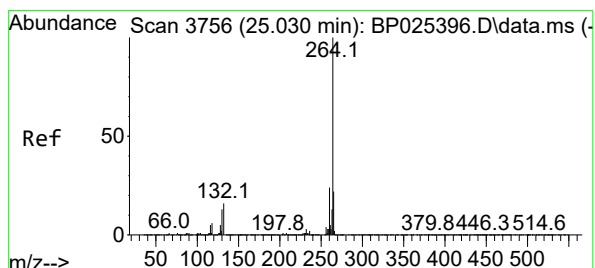
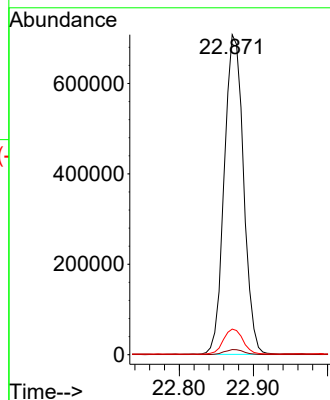
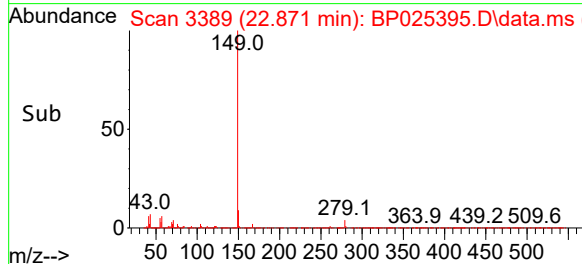
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 1276798
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.3 9.5

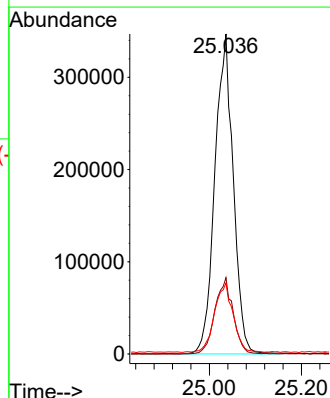
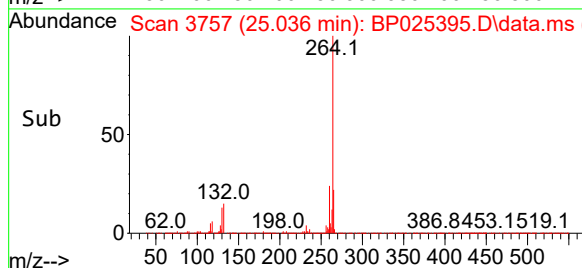
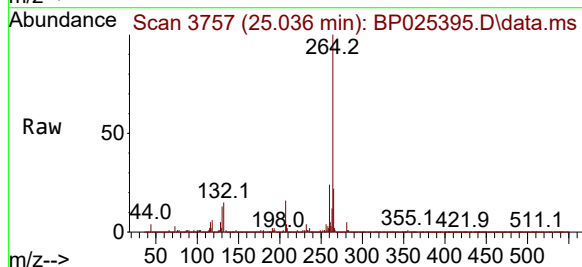
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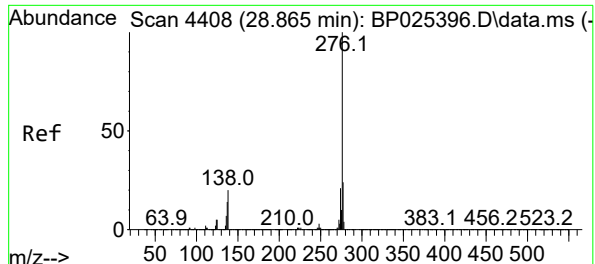
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:264 Resp: 958651
Ion Ratio Lower Upper
264 100
260 23.8 19.3 28.9
265 22.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.627 ng m

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 276 Resp: 138033

Ion Ratio Lower Upper

276 100

138 16.2 12.9 19.3

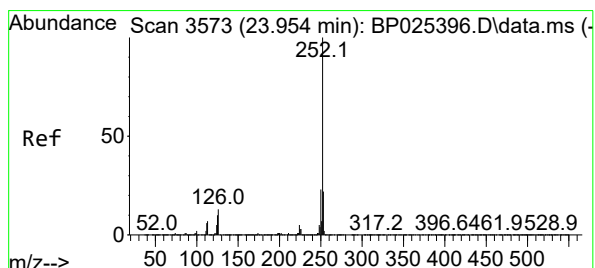
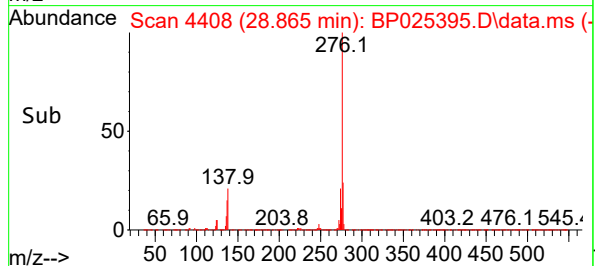
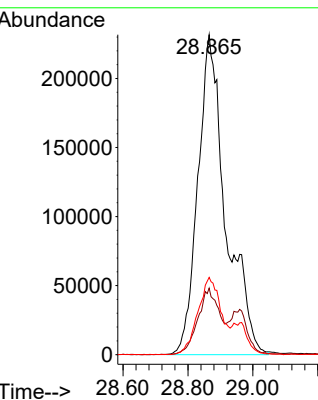
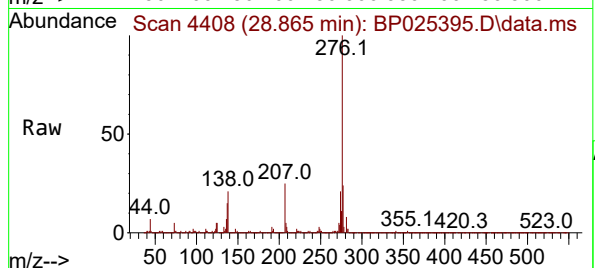
277 20.1 17.0 25.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 19.855 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

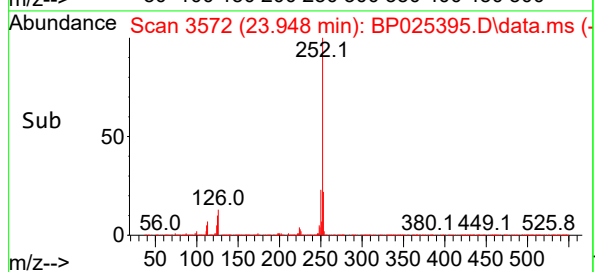
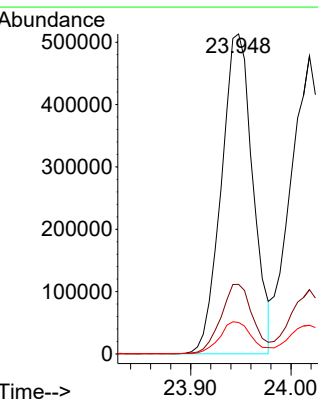
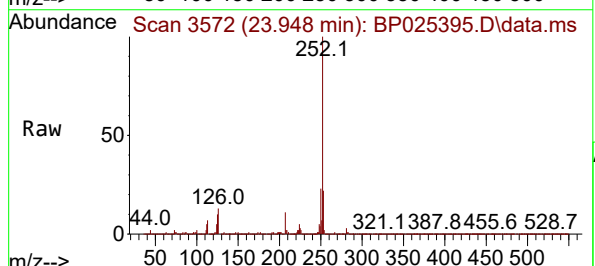
Tgt Ion: 252 Resp: 1122408

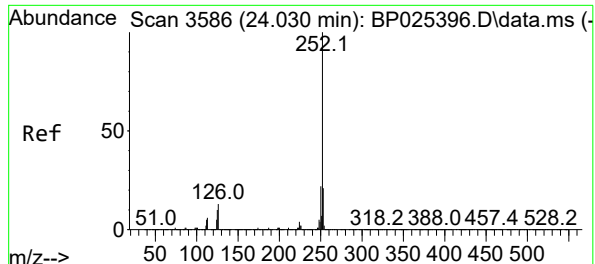
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 9.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 20.336 ng

RT: 24.018 min Scan# 3586

Delta R.T. -0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 1150360

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

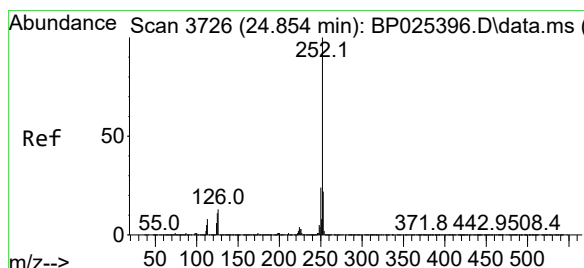
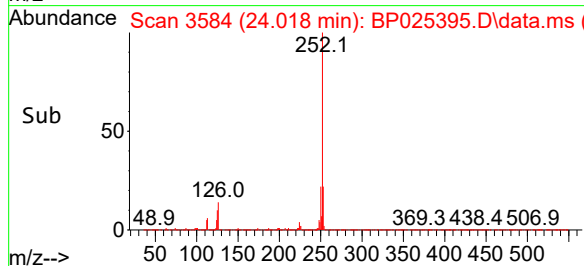
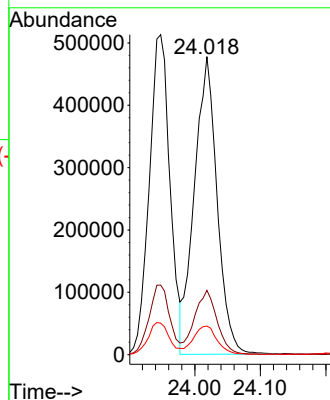
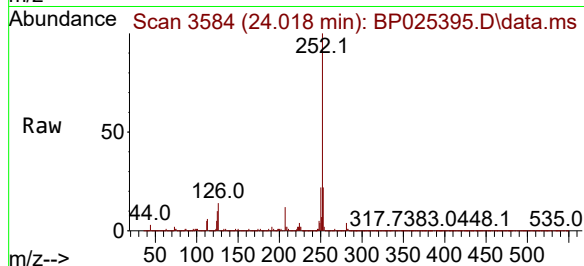
125 9.6 7.8 11.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 20.041 ng

RT: 24.854 min Scan# 3726

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

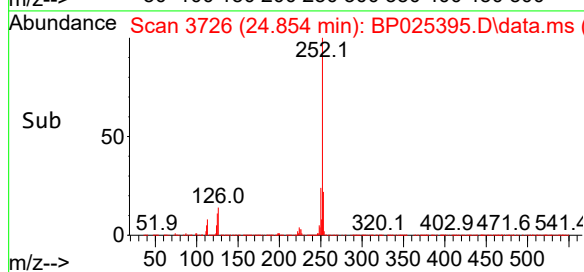
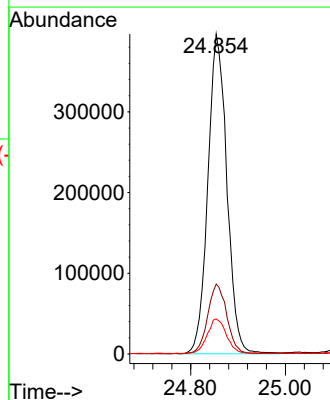
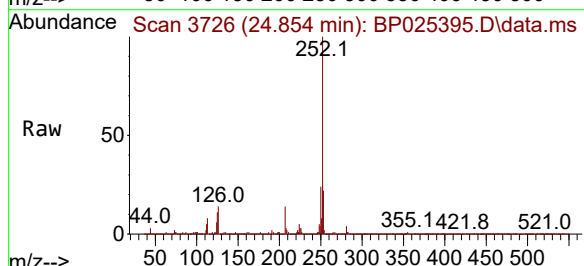
Tgt Ion:252 Resp: 1102804

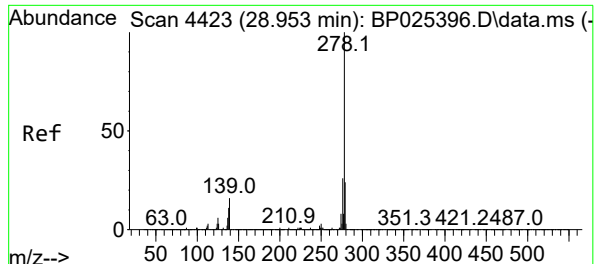
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.9 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 19.672 ng

RT: 28.965 min Scan# 4423

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:278 Resp: 1130209

Ion Ratio Lower Upper

278 100

139 14.6 13.0 19.4

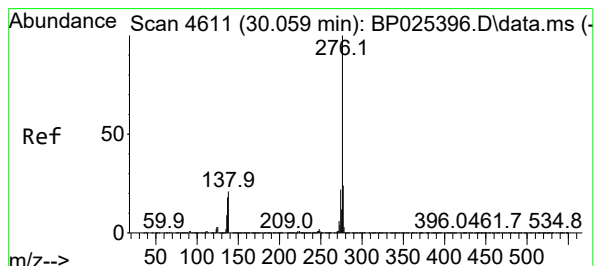
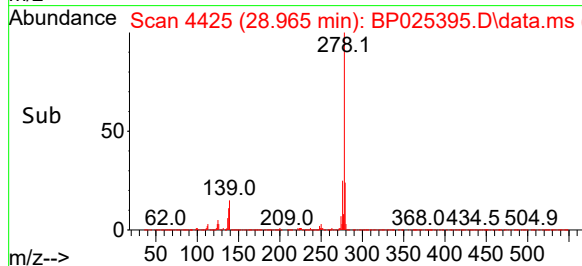
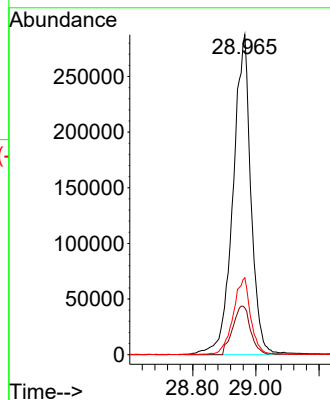
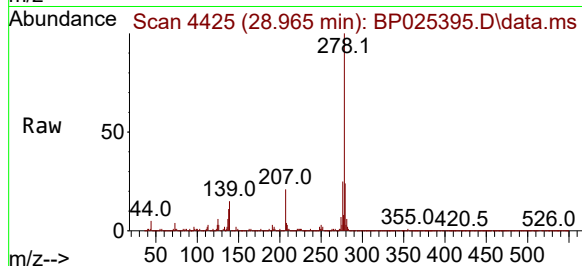
279 24.1 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#92

Benzo(g,h,i)perylene

Concen: 19.840 ng

RT: 30.053 min Scan# 4610

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

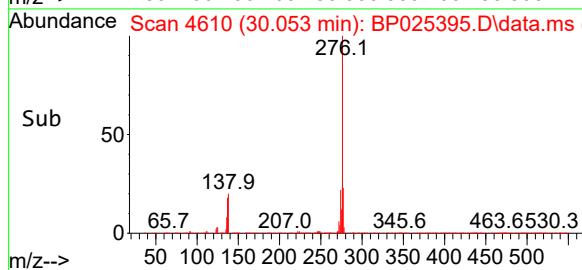
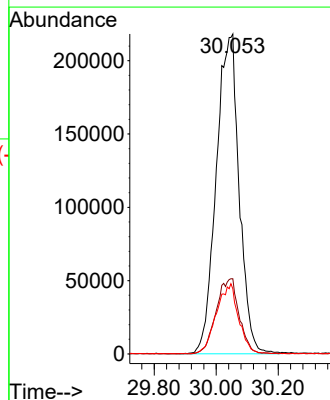
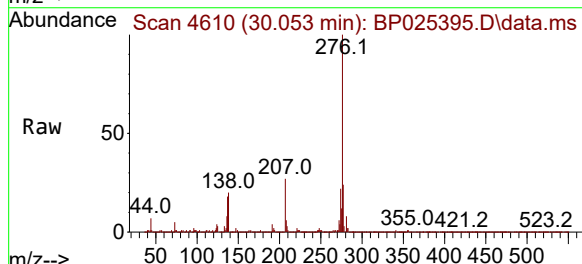
Tgt Ion:276 Resp: 1120307

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 20.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025396.D
 Acq On : 14 Aug 2025 15:19
 Operator : CG/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 14 17:55:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	157704	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	663553	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	441110	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	884529	20.000	ng	0.00
76) Chrysene-d12	21.648	240	899207	20.000	ng	0.00
86) Perylene-d12	25.030	264	1022138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	733191	77.209	ng	0.00
7) Phenol-d6	6.966	99	954285	78.381	ng	0.00
23) Nitrobenzene-d5	8.937	82	1015557	77.420	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	463783	78.112	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2456787	76.118	ng	0.00
79) Terphenyl-d14	19.919	244	3760236	76.508	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	140326	37.726	ng	100
3) Pyridine	3.731	79	384936	37.809	ng	100
4) n-Nitrosodimethylamine	3.637	42	161267	38.421	ng	100
6) Aniline	7.125	93	637156	38.842	ng	100
8) 2-Chlorophenol	7.366	128	414233	38.655	ng	100
9) Benzaldehyde	6.943	77	430704	50.493	ng	100
10) Phenol	6.996	94	496755	38.884	ng	100
11) bis(2-Chloroethyl)ether	7.219	93	385335	38.698	ng	100
12) 1,3-Dichlorobenzene	7.684	146	455200	38.523	ng	100
13) 1,4-Dichlorobenzene	7.831	146	462800	38.319	ng	100
14) 1,2-Dichlorobenzene	8.143	146	451306	38.602	ng	100
15) Benzyl Alcohol	8.025	79	376323	38.901	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.313	45	510991	38.308	ng	100
17) 2-Methylphenol	8.225	107	349313	39.369	ng	100
18) Hexachloroethane	8.866	117	171906	38.712	ng	100
19) n-Nitroso-di-n-propyla...	8.590	70	312773	38.737	ng	100
20) 3+4-Methylphenols	8.549	107	481148	39.121	ng	100
22) Acetophenone	8.601	105	644124	38.708	ng	100
24) Nitrobenzene	8.972	77	457175	38.997	ng	100
25) Isophorone	9.501	82	893987	38.510	ng	100
26) 2-Nitrophenol	9.678	139	239675	39.837	ng	100
27) 2,4-Dimethylphenol	9.743	122	408572	39.489	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	540282	38.502	ng	100
29) 2,4-Dichlorophenol	10.213	162	405233	39.427	ng	100
30) 1,2,4-Trichlorobenzene	10.425	180	434105	38.529	ng	100
31) Naphthalene	10.613	128	1326839	38.472	ng	100
32) Benzoic acid	9.872	122	301281	39.537	ng	100
33) 4-Chloroaniline	10.713	127	599466	39.350	ng	100
34) Hexachlorobutadiene	10.901	225	271549	38.700	ng	100
35) Caprolactam	11.495	113	145175	38.520	ng	100
36) 4-Chloro-3-methylphenol	11.837	107	459473	38.959	ng	100
37) 2-Methylnaphthalene	12.219	142	865427	38.559	ng	100
38) 1-Methylnaphthalene	12.437	142	909865	38.120	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	494141	38.787	ng	100
41) Hexachlorocyclopentadiene	12.572	237	307015	39.896	ng	100
43) 2,4,6-Trichlorophenol	12.825	196	337157	39.201	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025396.D
 Acq On : 14 Aug 2025 15:19
 Operator : CG/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:55:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	373880	39.664	ng	100
46) 1,1'-Biphenyl	13.231	154	1242247	38.777	ng	100
47) 2-Chloronaphthalene	13.272	162	970903	38.930	ng	100
48) 2-Nitroaniline	13.472	65	291341	40.092	ng	100
49) Acenaphthylene	14.125	152	1593636	38.617	ng	100
50) Dimethylphthalate	13.860	163	1237666	38.316	ng	100
51) 2,6-Dinitrotoluene	13.966	165	272750	40.061	ng	100
52) Acenaphthene	14.466	154	918569	37.921	ng	100
53) 3-Nitroaniline	14.301	138	301417	39.349	ng	100
54) 2,4-Dinitrophenol	14.507	184	144100	39.633	ng	100
55) Dibenzofuran	14.807	168	1479220	38.624	ng	100
56) 4-Nitrophenol	14.613	139	246542	39.168	ng	100
57) 2,4-Dinitrotoluene	14.766	165	386189	39.757	ng	100
58) Fluorene	15.466	166	1151825	38.115	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	324396	38.975	ng	100
60) Diethylphthalate	15.236	149	1264740	38.533	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	574546	38.228	ng	100
62) 4-Nitroaniline	15.478	138	309740	39.443	ng	100
63) Azobenzene	15.754	77	1091004	38.820	ng	100
65) 4,6-Dinitro-2-methylph...	15.542	198	217153	39.384	ng	100
66) n-Nitrosodiphenylamine	15.678	169	1045170	38.749	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	376864	38.739	ng	100
68) Hexachlorobenzene	16.489	284	428361	37.986	ng	100
69) Atrazine	16.654	200	386256	38.238	ng	100
70) Pentachlorophenol	16.842	266	278412	39.110	ng	100
71) Phenanthrene	17.242	178	1839191	37.851	ng	100
72) Anthracene	17.336	178	1908189	38.456	ng	100
73) Carbazole	17.613	167	1781890	38.125	ng	100
74) Di-n-butylphthalate	18.207	149	2201043	38.277	ng	100
75) Fluoranthene	19.324	202	2172758	37.488	ng	100
77) Benzidine	19.513	184	1738926	56.665	ng	100
78) Pyrene	19.701	202	2290461	39.189	ng	100
80) Butylbenzylphthalate	20.648	149	1041998	39.338	ng	100
81) Benzo(a)anthracene	21.630	228	2280774	38.460	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	877708	39.266	ng	100
83) Chrysene	21.695	228	2125866	38.278	ng	100
84) Bis(2-ethylhexyl)phtha...	21.583	149	1493804	38.310	ng	100
85) Di-n-octyl phthalate	22.871	149	2597558	38.730	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	2884713m	38.470	ng	
88) Benzo(b)fluoranthene	23.954	252	2318198	38.462	ng	100
89) Benzo(k)fluoranthene	24.030	252	2309091	38.285	ng	100
90) Benzo(a)pyrene	24.854	252	2265862	38.620	ng	100
91) Dibenzo(a,h)anthracene	28.953	278	2363840	38.589	ng	100
92) Benzo(g,h,i)perylene	30.059	276	2327292	38.654	ng	100

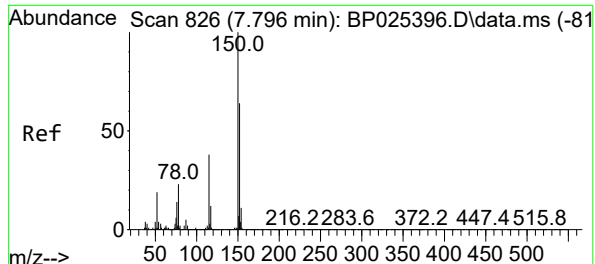
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

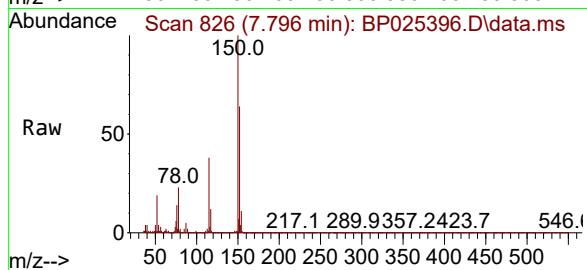
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jaagrut Upadhyay 08/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

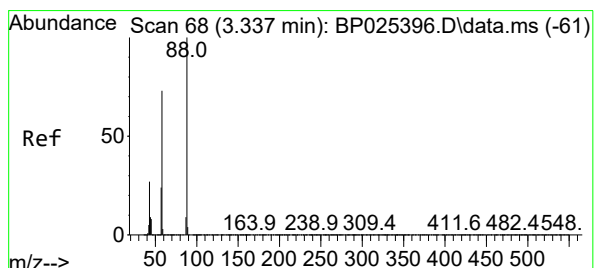
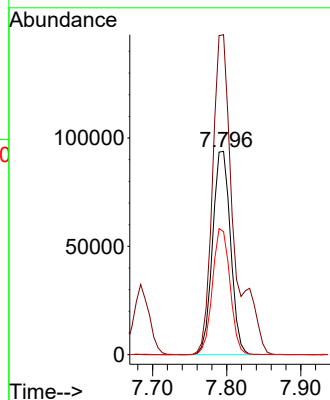
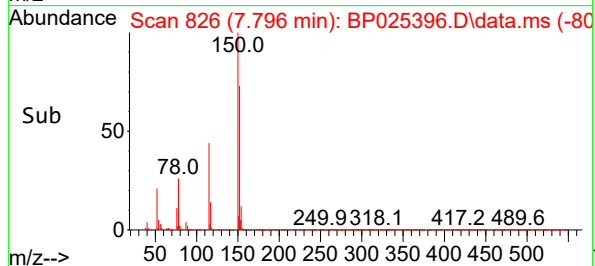
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



Tgt Ion: 152 Resp: 157704
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 60.6 48.5 72.7

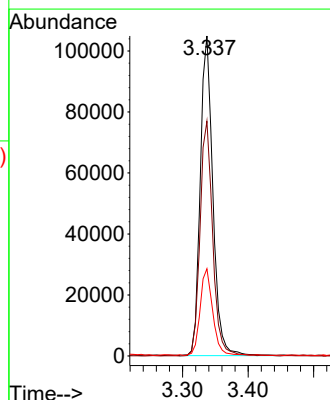
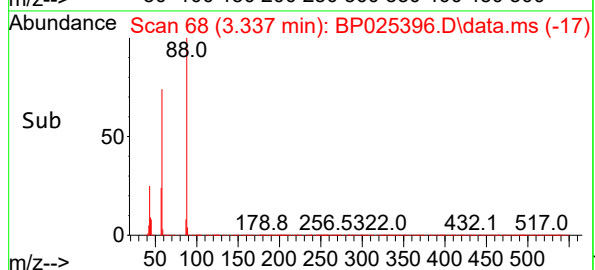
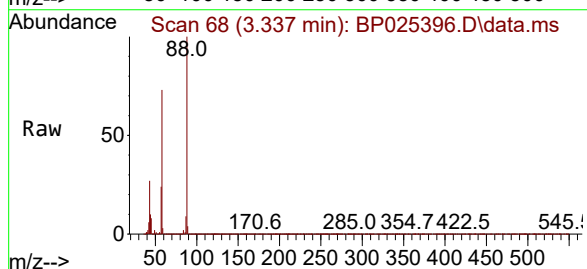
Manual Integrations
APPROVED

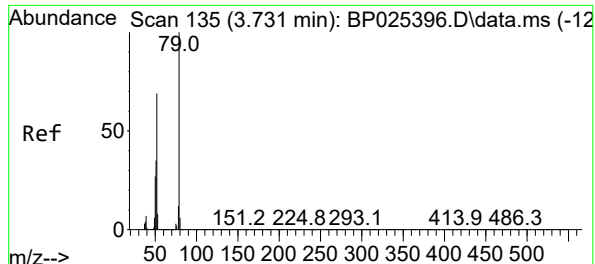
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 37.726 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 88 Resp: 140326
Ion Ratio Lower Upper
88 100
58 74.0 59.2 88.8
43 27.1 21.7 32.5





#3

Pyridine

Concen: 37.809 ng

RT: 3.731 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

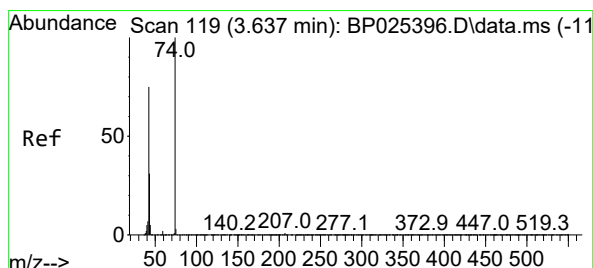
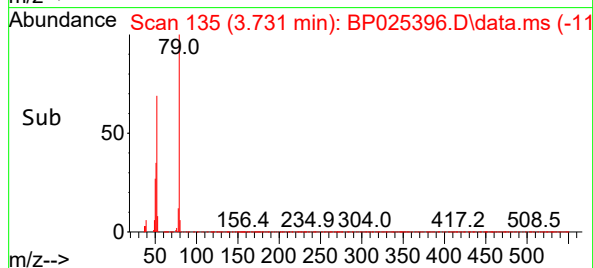
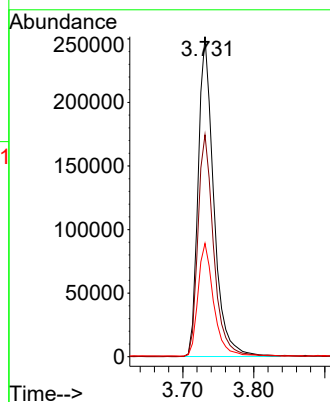
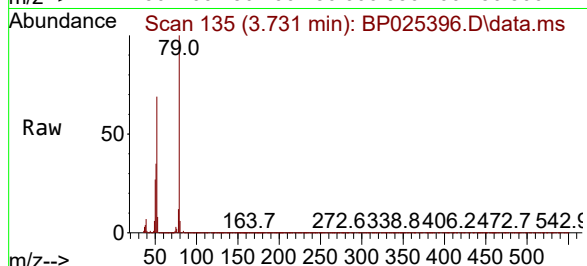
SSTDICCC040

Tgt Ion:	79	Resp:	384930
Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.4	28.3	42.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#4

n-Nitrosodimethylamine

Concen: 38.421 ng

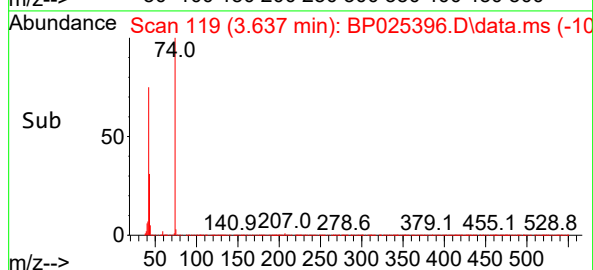
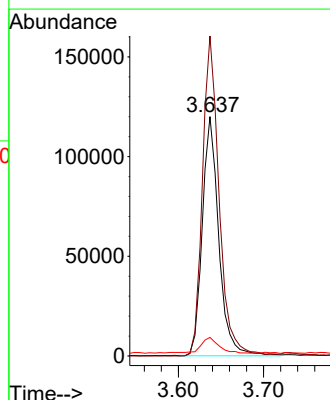
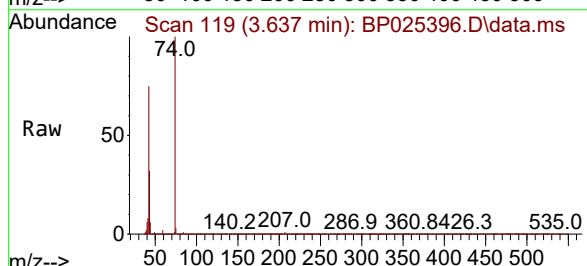
RT: 3.637 min Scan# 119

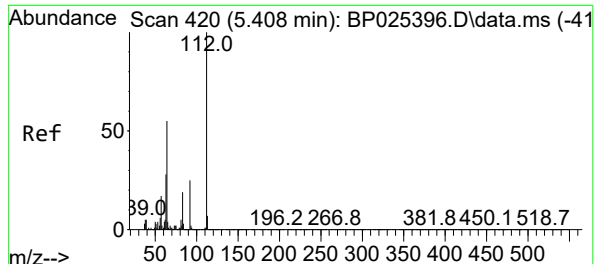
Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

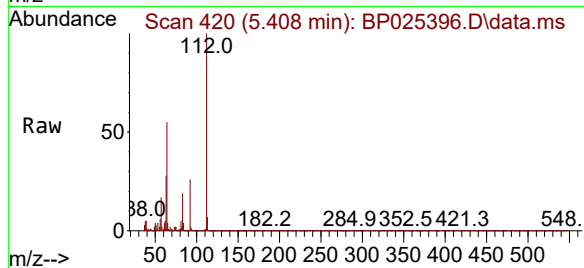
Tgt Ion:	42	Resp:	161267
Ion	Ratio	Lower	Upper
42	100		
74	133.7	107.0	160.4
44	7.8	6.2	9.4





#5
2-Fluorophenol
Concen: 77.209 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

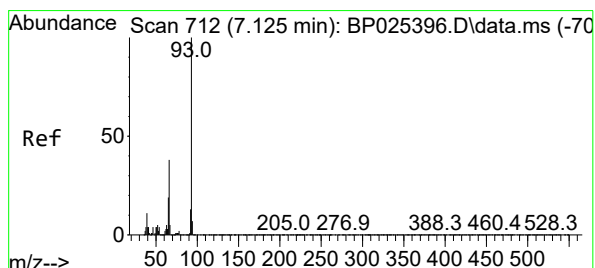
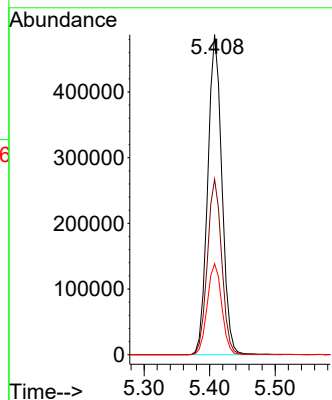
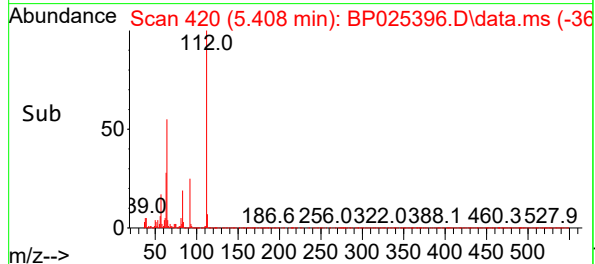
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion: 112 Resp: 73319
Ion Ratio Lower Upper
112 100
64 54.8 43.8 65.8
63 28.4 22.7 34.1

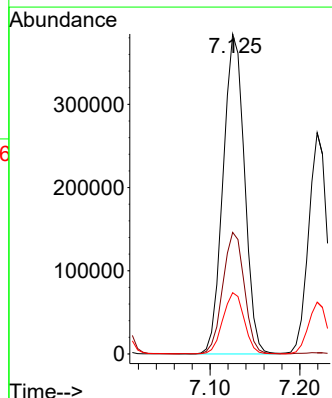
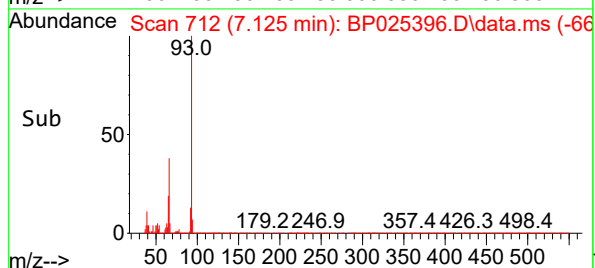
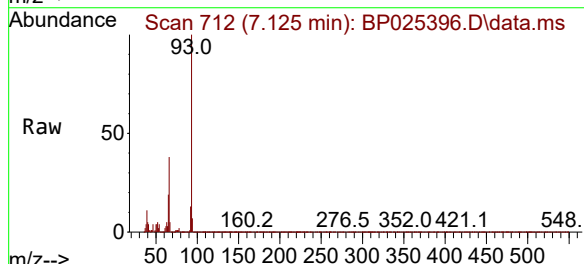
Manual Integrations
APPROVED

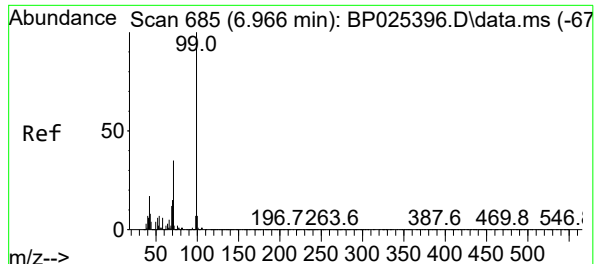
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 38.842 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 637156
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 19.1 15.3 22.9





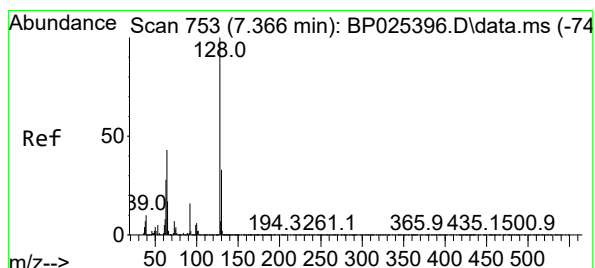
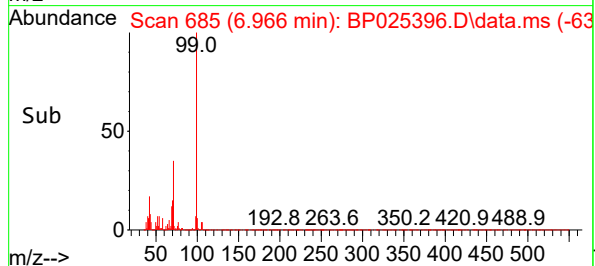
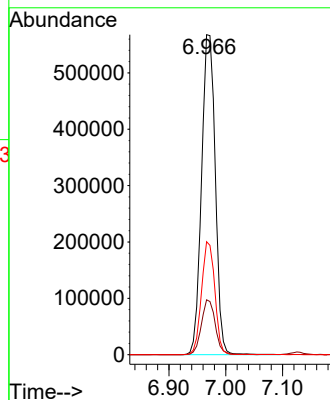
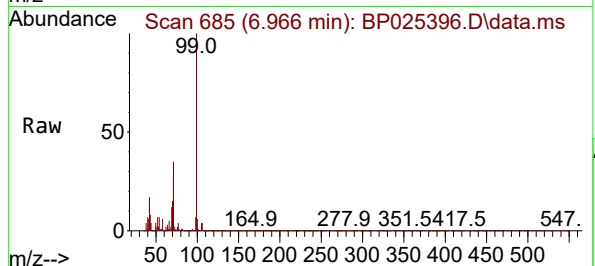
#7
Phenol-d6
Concen: 78.381 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
Client Sample Id :
SSTDICCC040

Tgt Ion: 99 Resp: 954285
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 35.3 28.2 42.4

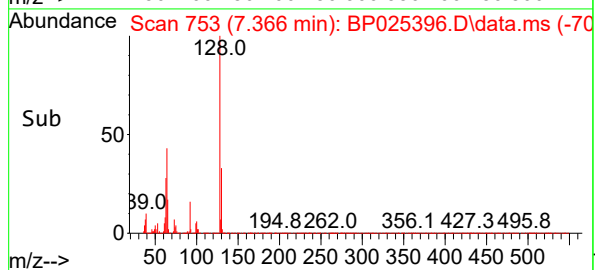
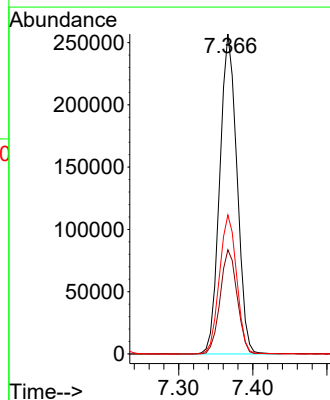
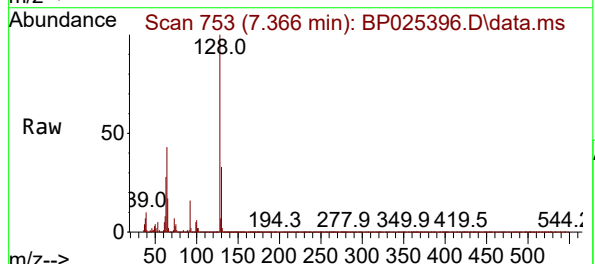
Manual Integrations
APPROVED

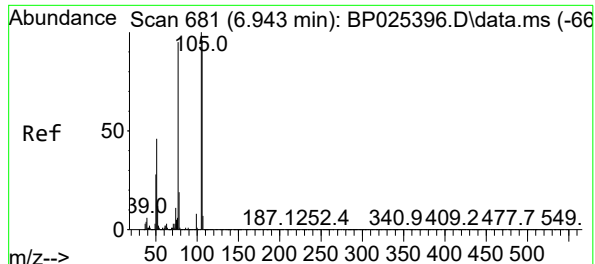
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#8
2-Chlorophenol
Concen: 38.655 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:128 Resp: 414233
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 43.4 23.4 63.4





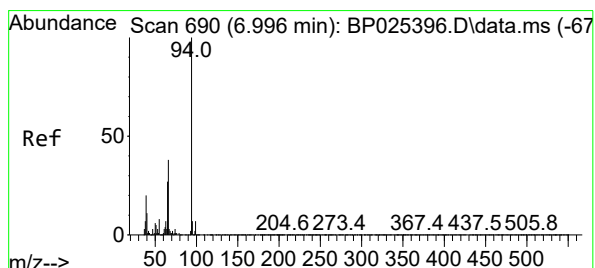
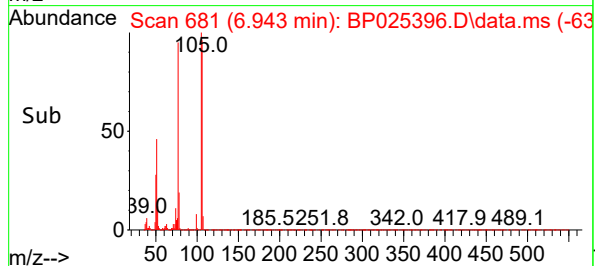
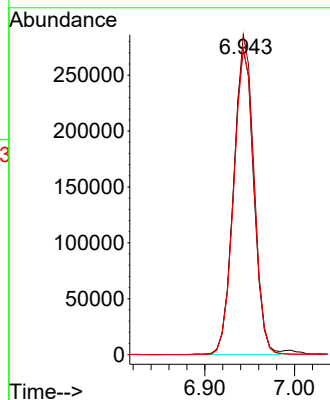
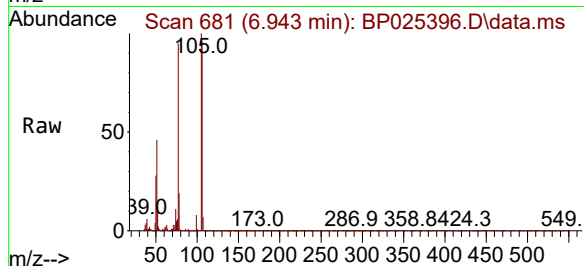
#9
Benzaldehyde
Concen: 50.493 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 430704
Ion Ratio Lower Upper
77 100
105 104.8 84.8 124.8
106 100.5 80.5 120.5

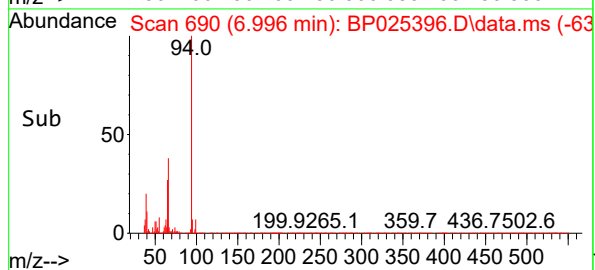
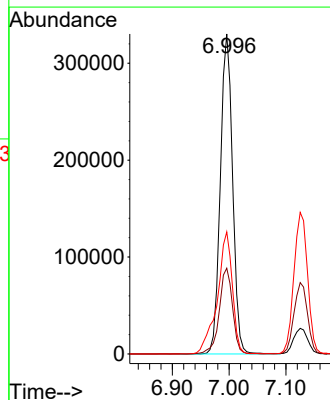
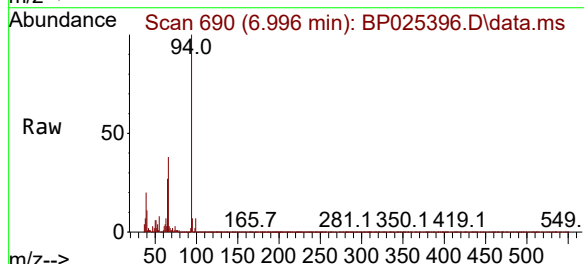
Manual Integrations
APPROVED

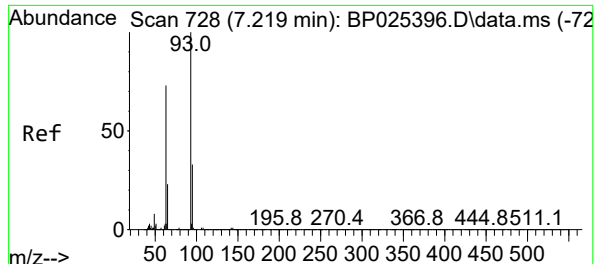
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#10
Phenol
Concen: 38.884 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 94 Resp: 496755
Ion Ratio Lower Upper
94 100
65 26.8 6.8 46.8
66 38.2 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 38.698 ng

RT: 7.219 min Scan# 728

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 93 Resp: 38533

Ion Ratio Lower Upper

93 100

63 72.6 52.6 92.6

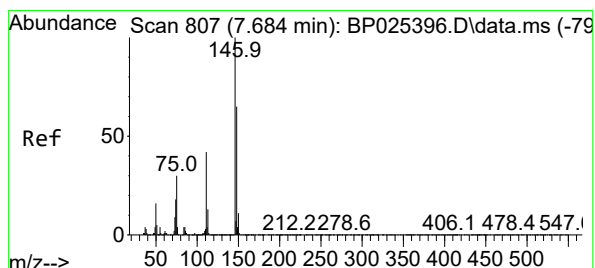
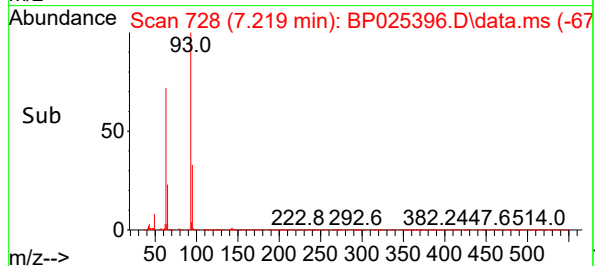
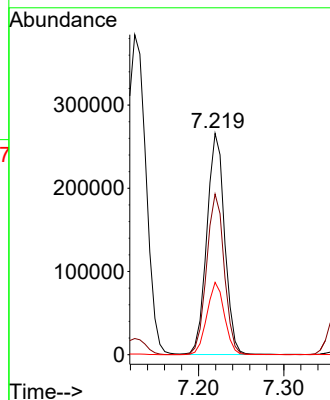
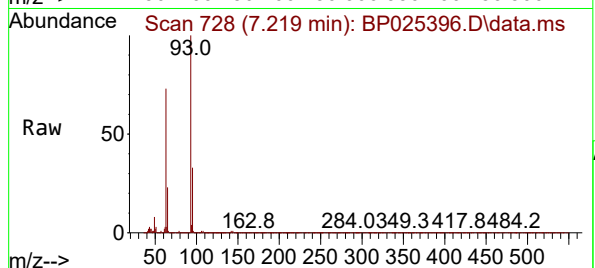
95 32.7 12.7 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#12

1,3-Dichlorobenzene

Concen: 38.523 ng

RT: 7.684 min Scan# 807

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

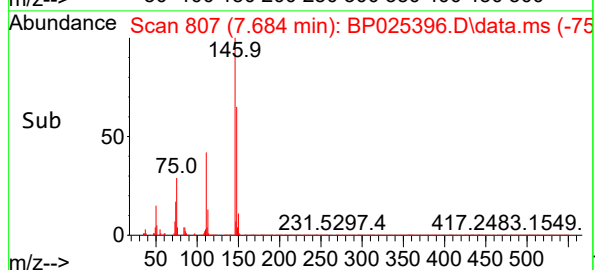
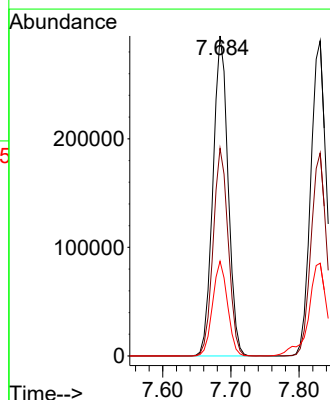
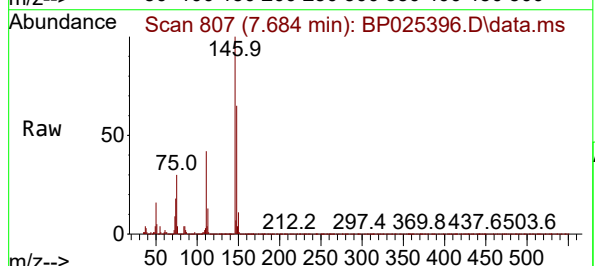
Tgt Ion:146 Resp: 455200

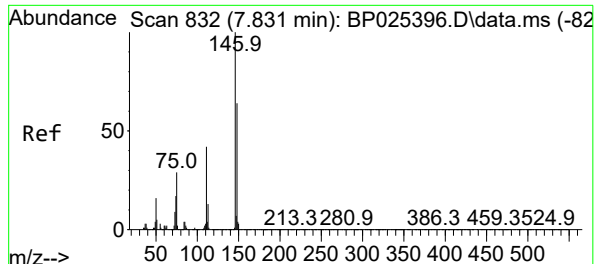
Ion Ratio Lower Upper

146 100

148 64.9 51.9 77.9

75 29.6 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 38.319 ng

RT: 7.831 min Scan# 832

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 462800

Ion Ratio Lower Upper

146 100

148 64.5 51.6 77.4

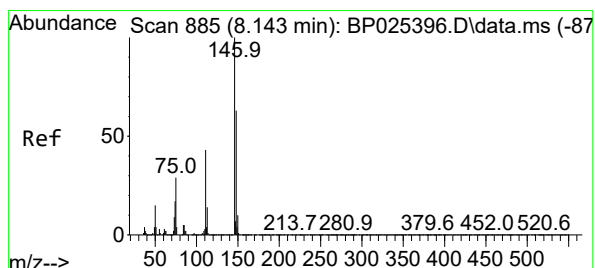
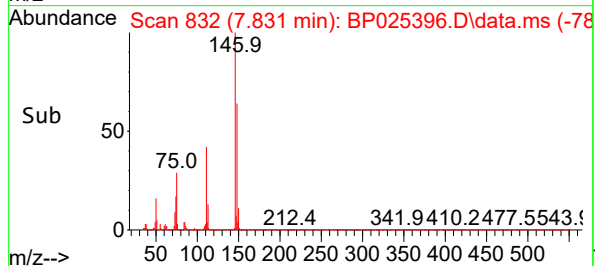
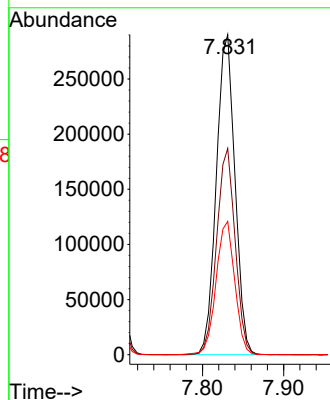
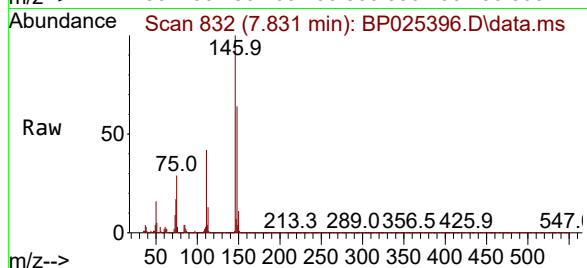
111 41.7 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#14

1,2-Dichlorobenzene

Concen: 38.602 ng

RT: 8.143 min Scan# 885

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

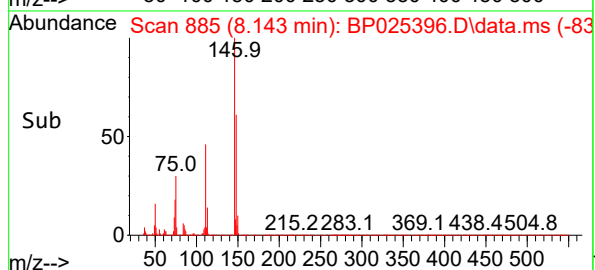
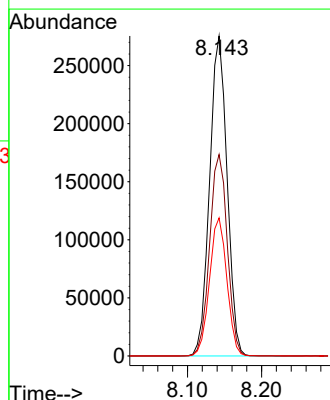
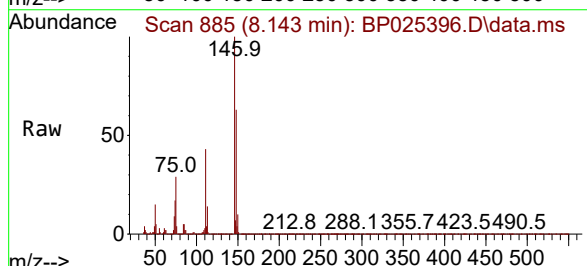
Tgt Ion:146 Resp: 451306

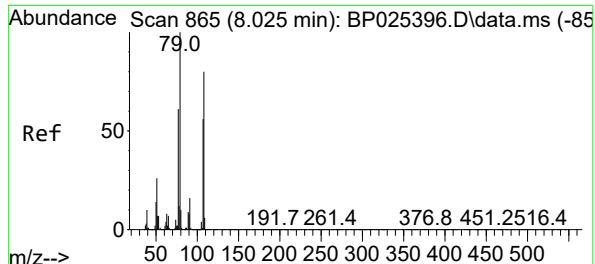
Ion Ratio Lower Upper

146 100

148 63.0 50.4 75.6

111 43.1 34.5 51.7





#15

Benzyl Alcohol

Concen: 38.901 ng

RT: 8.025 min Scan# 865

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 37632

Ion Ratio Lower Upper

79 100

108 79.7 63.8 95.6

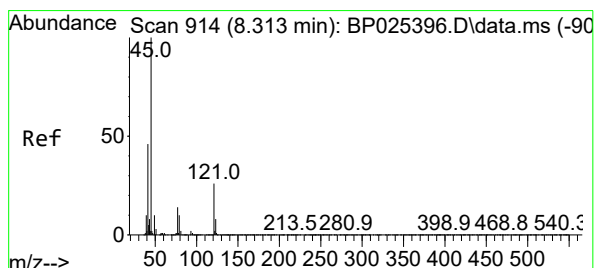
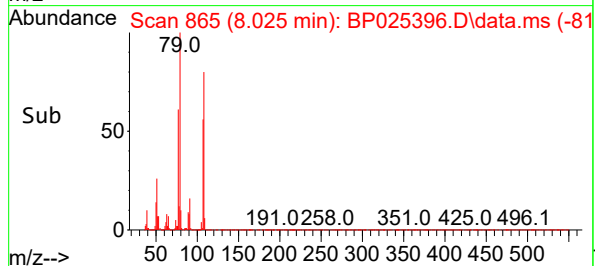
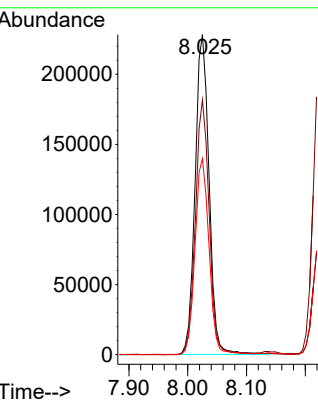
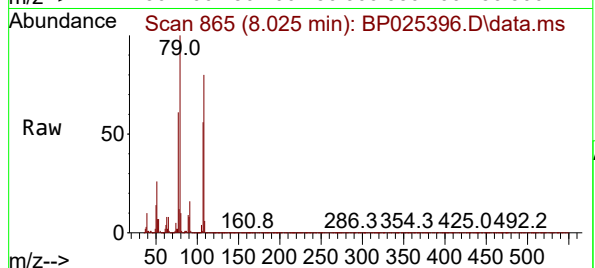
77 61.2 49.0 73.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.308 ng

RT: 8.313 min Scan# 914

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

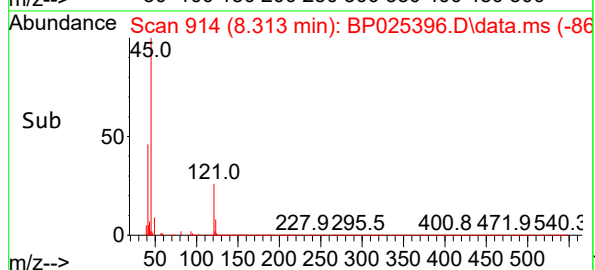
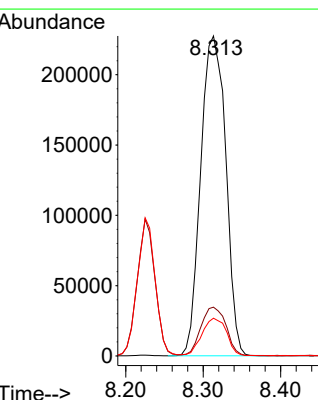
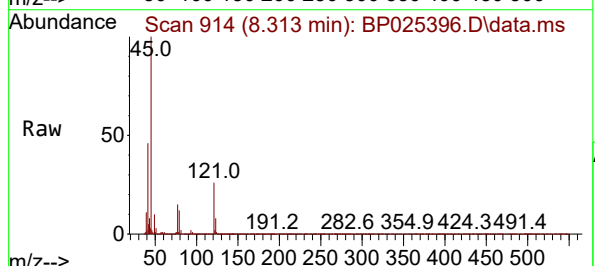
Tgt Ion: 45 Resp: 510991

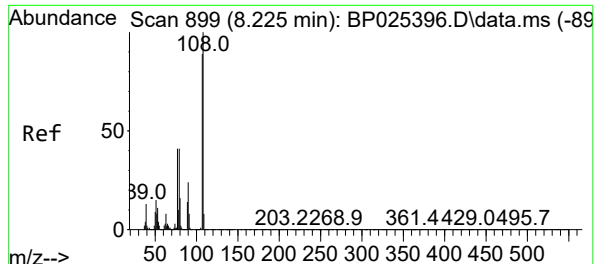
Ion Ratio Lower Upper

45 100

77 15.3 0.0 35.3

79 11.8 0.0 31.8





#17

2-Methylphenol

Concen: 39.369 ng

RT: 8.225 min Scan# 899

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:107 Resp: 34931

Ion Ratio Lower Upper

107 100

108 111.7 89.4 134.0

77 45.4 36.3 54.5

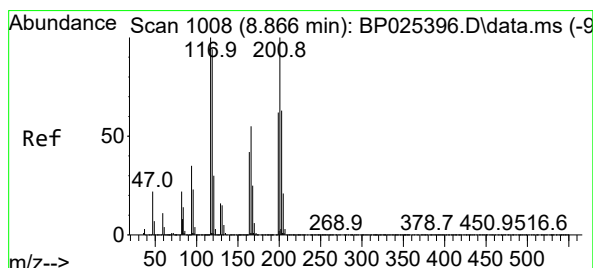
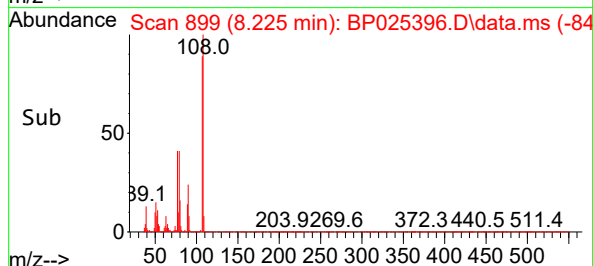
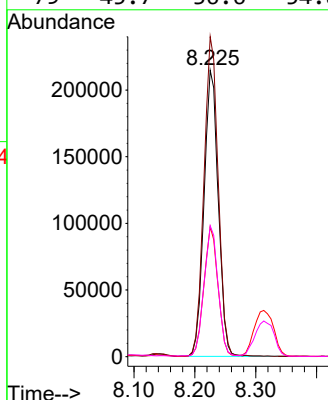
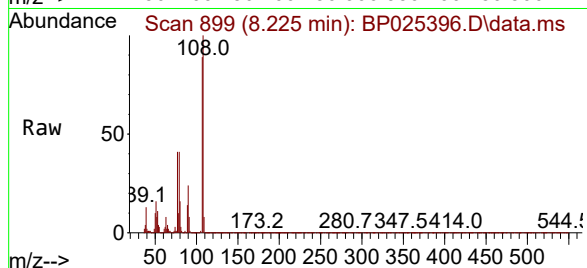
79 45.7 36.6 54.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#18

Hexachloroethane

Concen: 38.712 ng

RT: 8.866 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

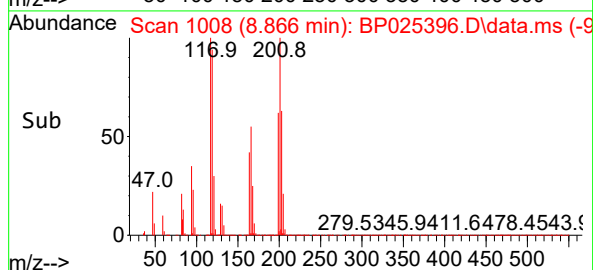
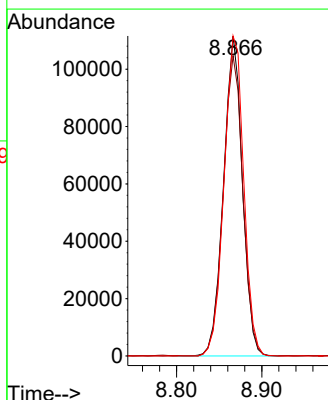
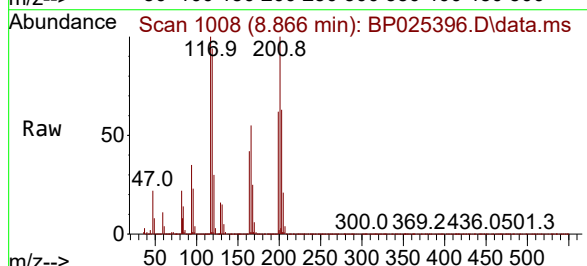
Tgt Ion:117 Resp: 171906

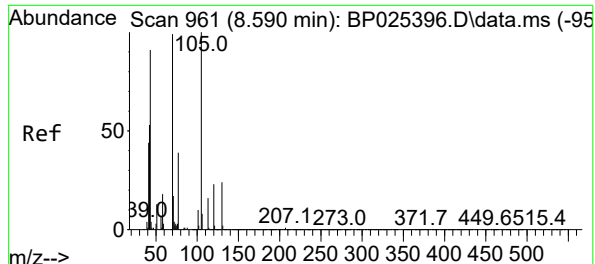
Ion Ratio Lower Upper

117 100

119 93.9 75.1 112.7

201 100.1 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 38.737 ng

RT: 8.590 min Scan# 961

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 31277

Ion Ratio Lower Upper

70 100

42 54.7 43.8 65.6

101 10.6 8.5 12.7

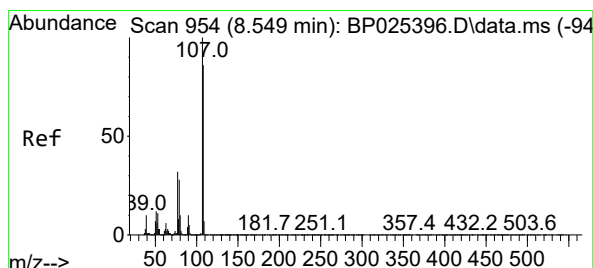
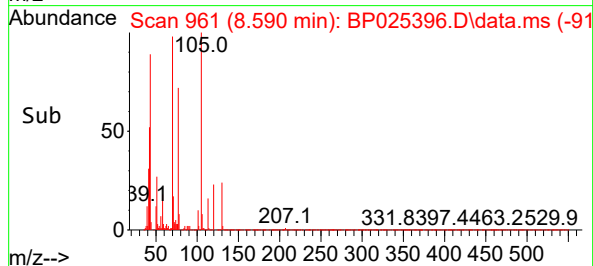
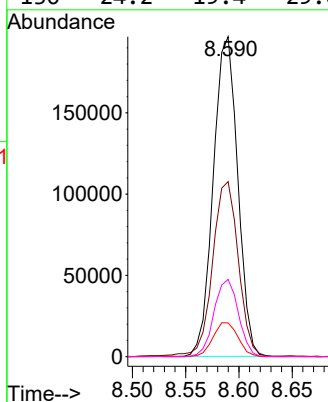
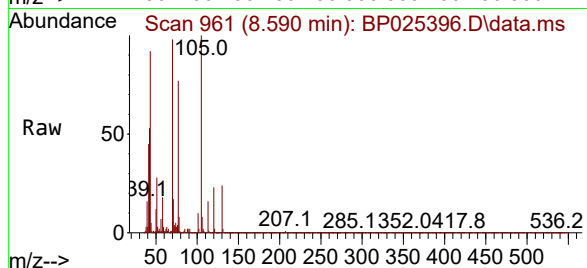
130 24.2 19.4 29.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#20

3+4-Methylphenols

Concen: 39.121 ng

RT: 8.549 min Scan# 954

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 481148

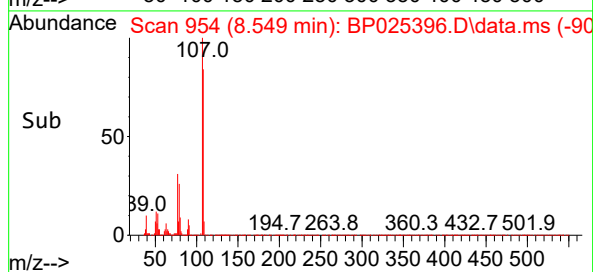
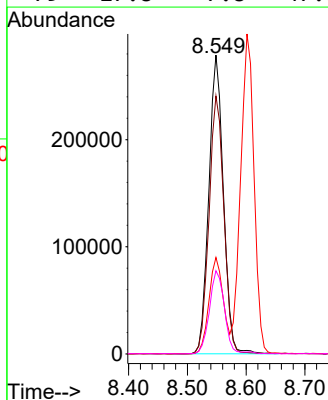
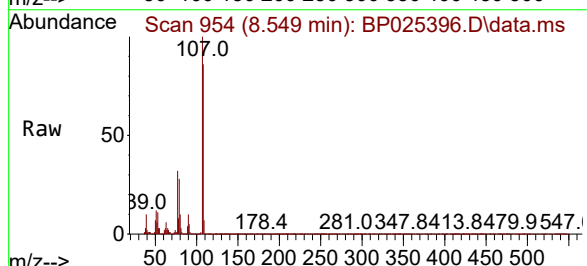
Ion Ratio Lower Upper

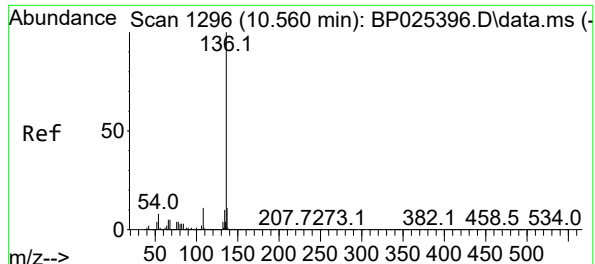
107 100

108 86.3 66.3 106.3

77 32.3 12.3 52.3

79 27.8 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.560 min Scan# 1296

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

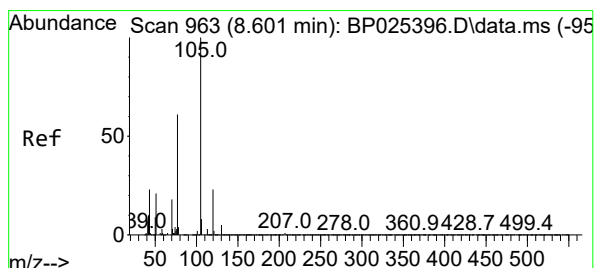
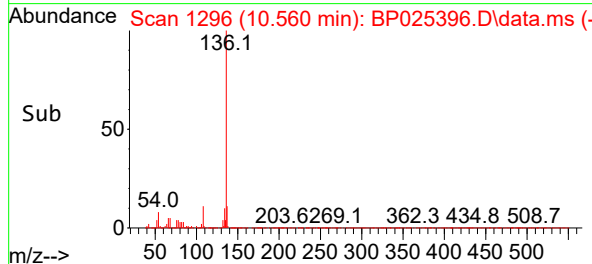
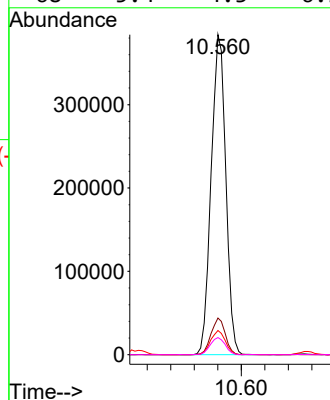
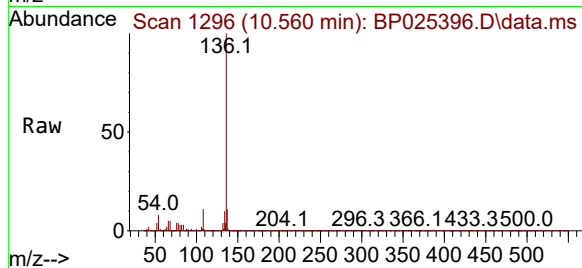
SSTDICCC040

Tgt Ion:	136	Resp:	66355
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	5.4	4.3	6.5

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#22

Acetophenone

Concen: 38.708 ng

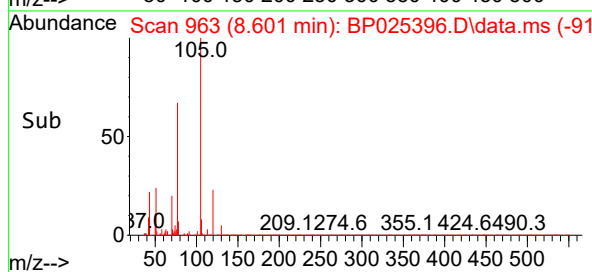
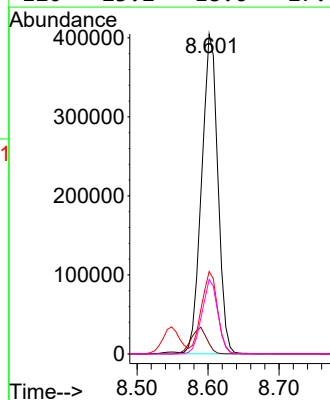
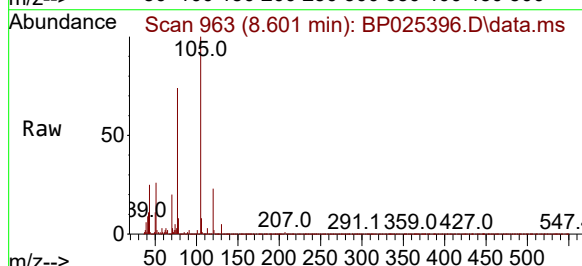
RT: 8.601 min Scan# 963

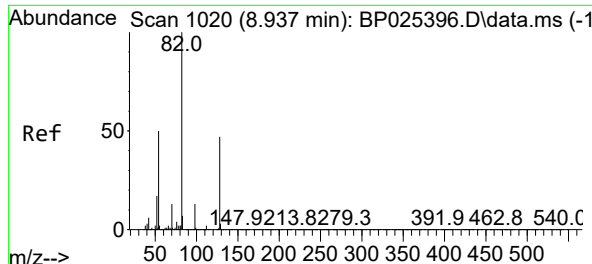
Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Tgt Ion:	105	Resp:	644124
Ion Ratio	Lower	Upper	
105	100		
71	3.3	2.6	4.0
51	25.7	20.6	30.8
120	23.2	18.6	27.8





#23

Nitrobenzene-d5

Concen: 77.420 ng

RT: 8.937 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 101555

Ion Ratio Lower Upper

82 100

128 47.1 37.7 56.5

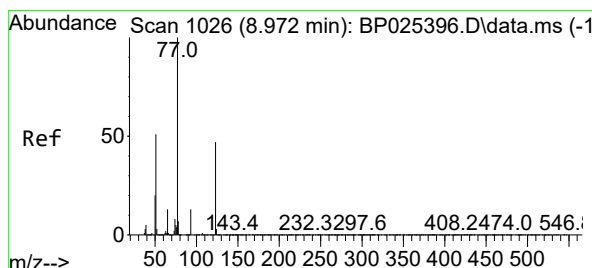
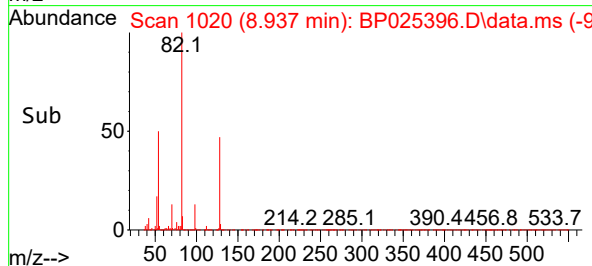
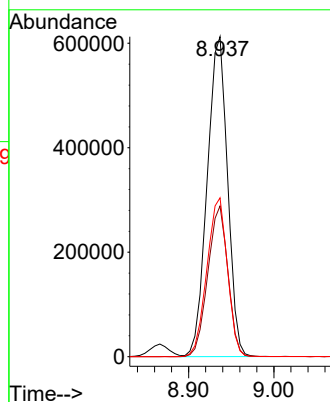
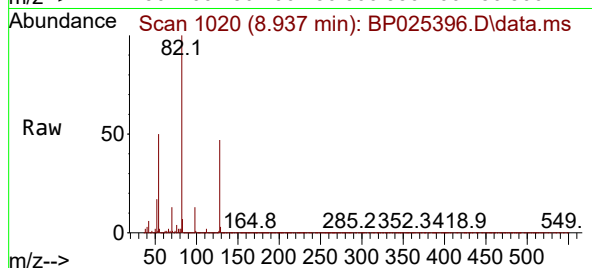
54 49.7 39.8 59.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#24

Nitrobenzene

Concen: 38.997 ng

RT: 8.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

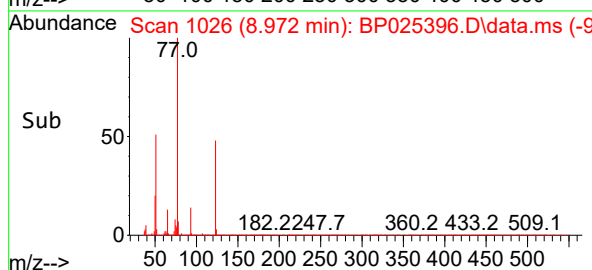
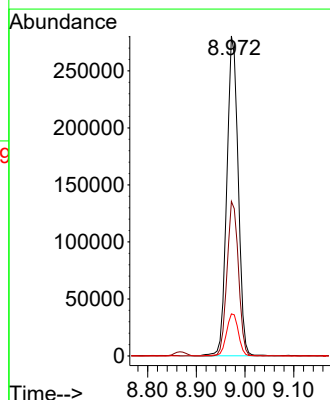
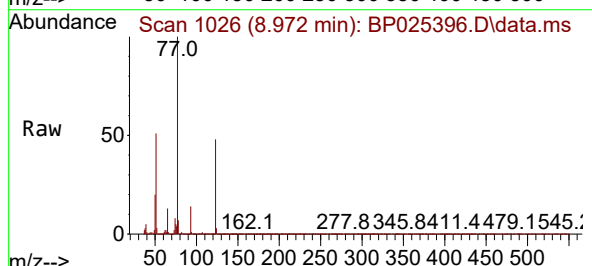
Tgt Ion: 77 Resp: 457175

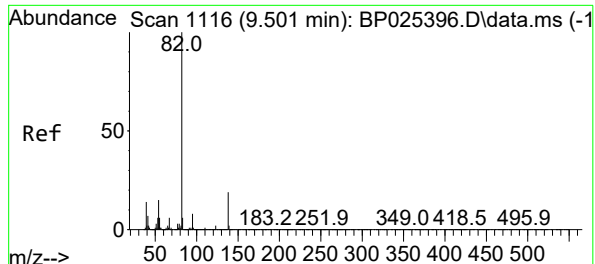
Ion Ratio Lower Upper

77 100

123 48.3 38.6 58.0

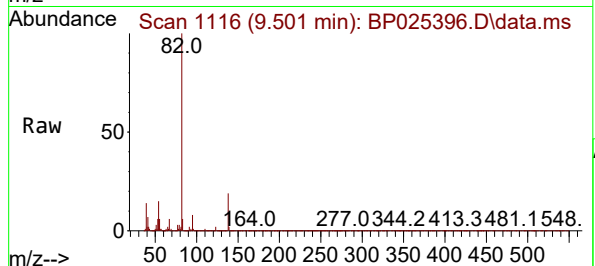
65 13.2 10.6 15.8





#25
Isophorone
Concen: 38.510 ng
RT: 9.501 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

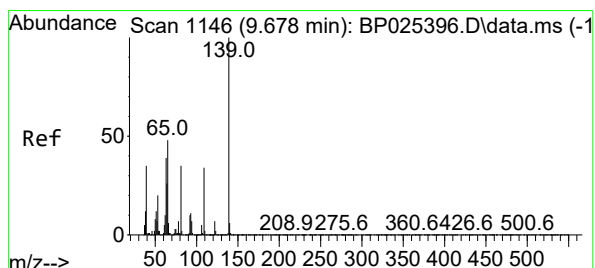
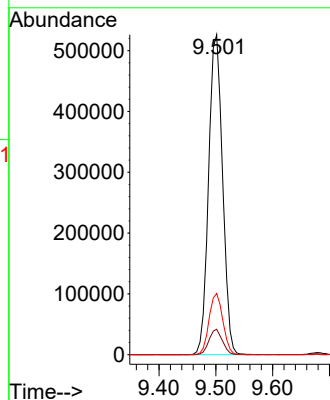
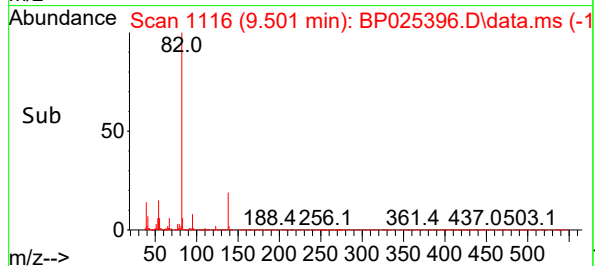
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



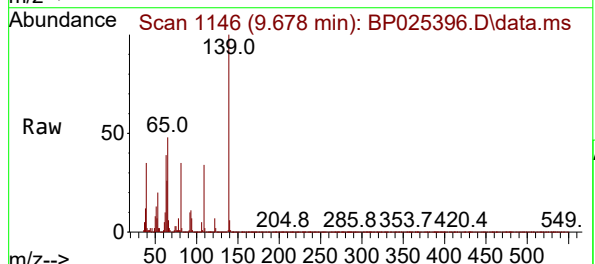
Tgt Ion: 82 Resp: 89398
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 19.2 15.4 23.0

Manual Integrations
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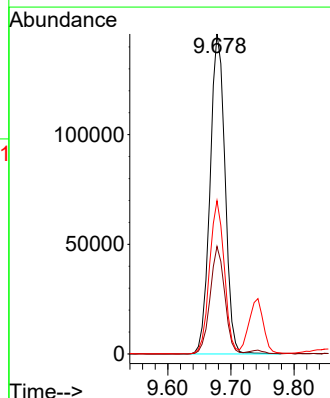
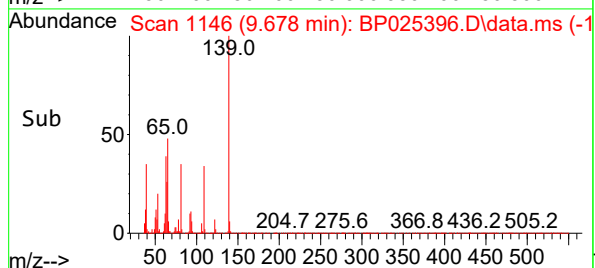
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

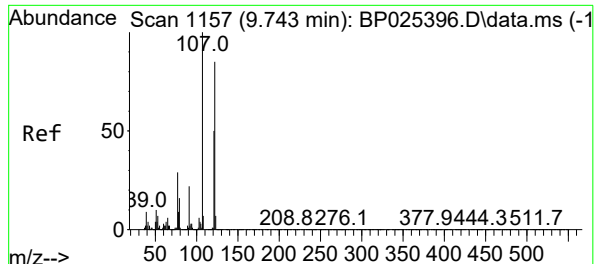


#26
2-Nitrophenol
Concen: 39.837 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



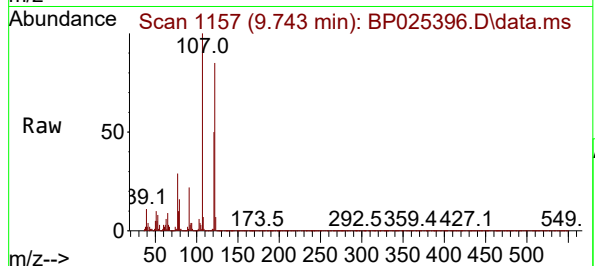
Tgt Ion:139 Resp: 239675
Ion Ratio Lower Upper
139 100
109 33.6 26.9 40.3
65 47.9 38.3 57.5





#27
2,4-Dimethylphenol
Concen: 39.489 ng
RT: 9.743 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

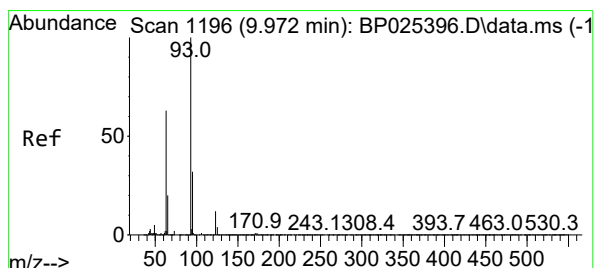
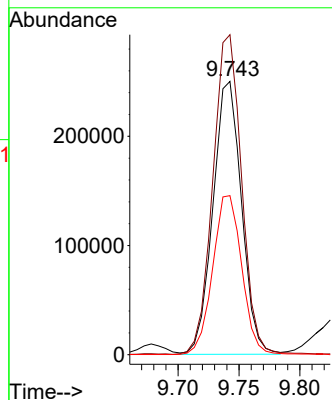
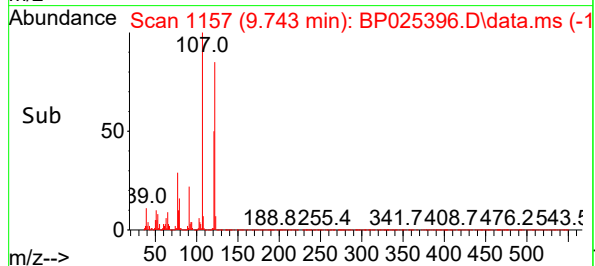
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



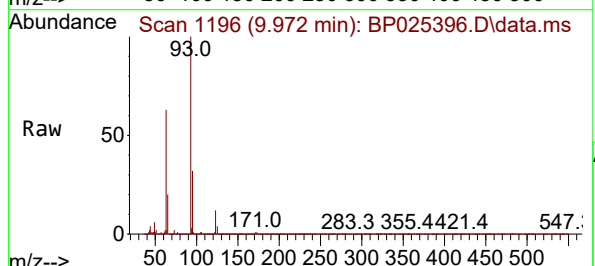
Tgt Ion: 122 Resp: 408572
Ion Ratio Lower Upper
122 100
107 117.1 93.7 140.5
121 58.2 46.6 69.8

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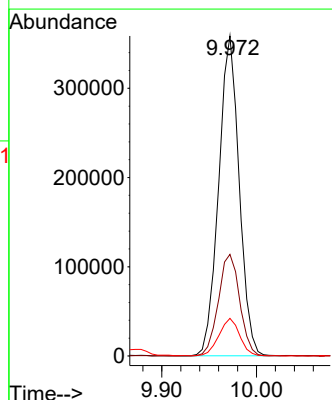
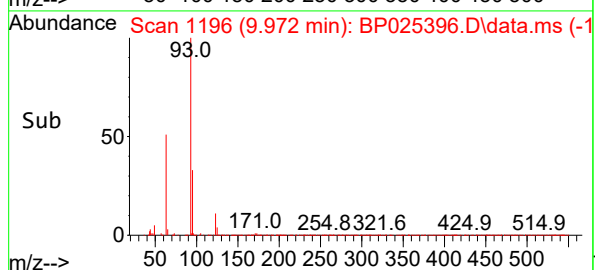
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

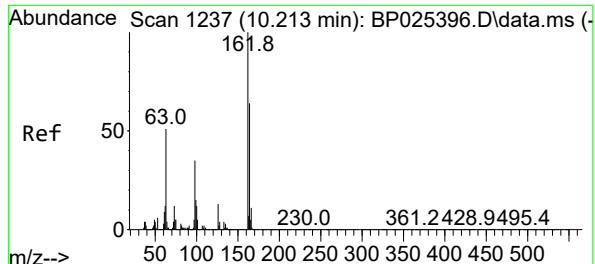


#28
bis(2-Chloroethoxy)methane
Concen: 38.502 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion: 93 Resp: 540282
Ion Ratio Lower Upper
93 100
95 31.7 25.4 38.0
123 11.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 39.427 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 40523

Ion Ratio Lower Upper

162 100

164 64.4 44.4 84.4

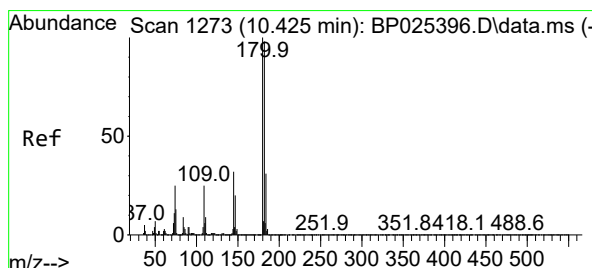
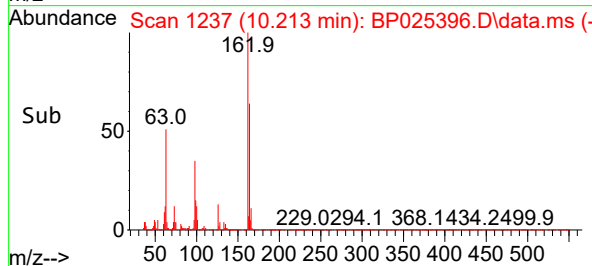
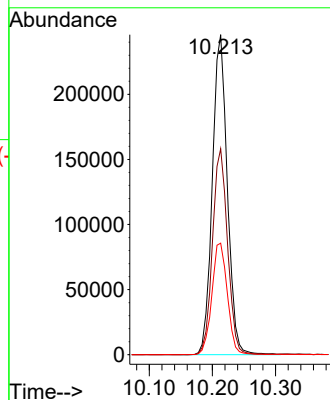
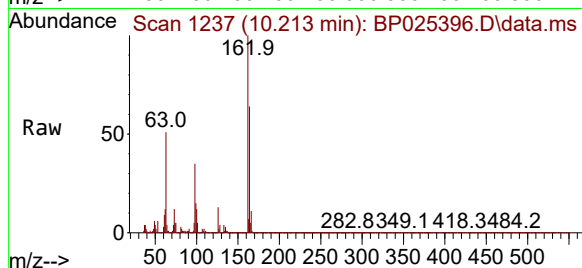
98 34.9 14.9 54.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#30

1,2,4-Trichlorobenzene

Concen: 38.529 ng

RT: 10.425 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

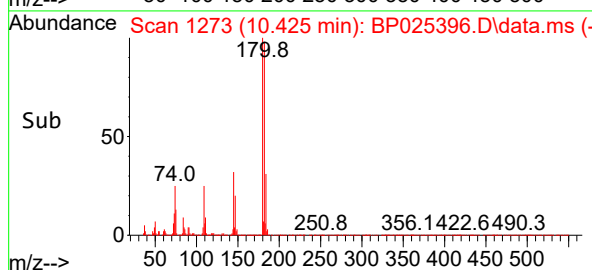
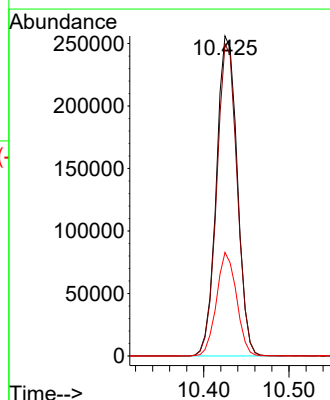
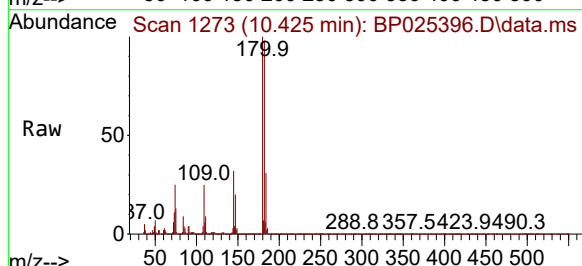
Tgt Ion:180 Resp: 434105

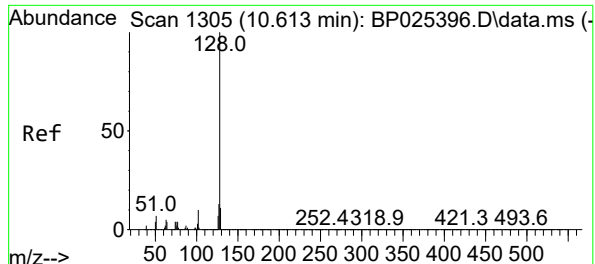
Ion Ratio Lower Upper

180 100

182 97.5 78.0 117.0

145 32.4 25.9 38.9





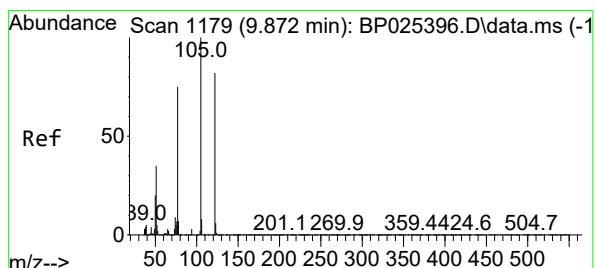
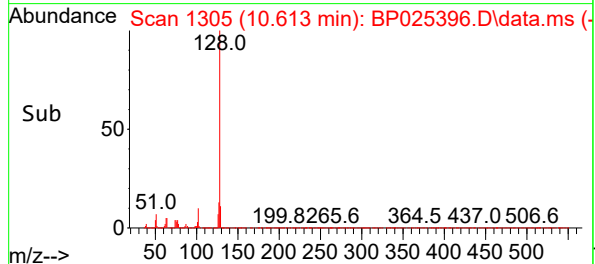
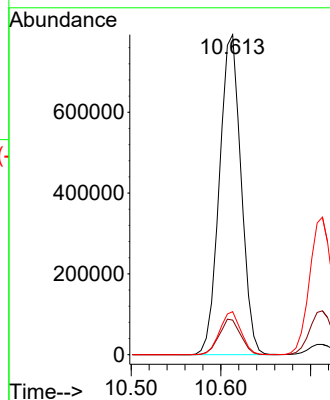
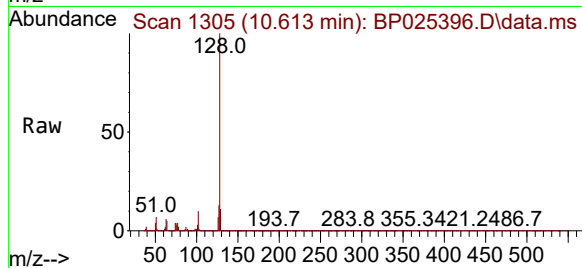
#31
Naphthalene
Concen: 38.472 ng
RT: 10.613 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1326839
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.4 10.7 16.1

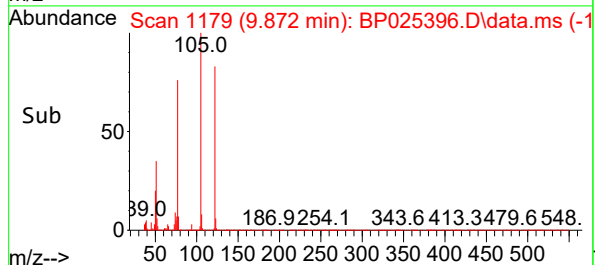
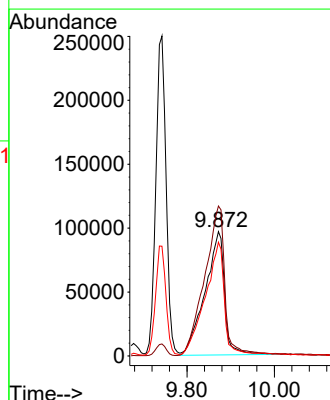
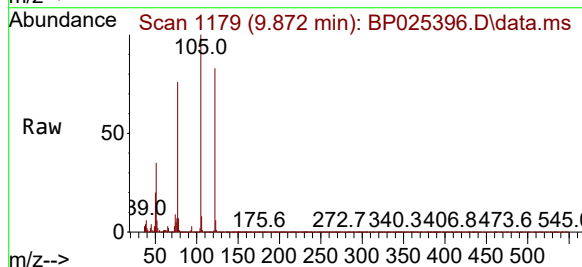
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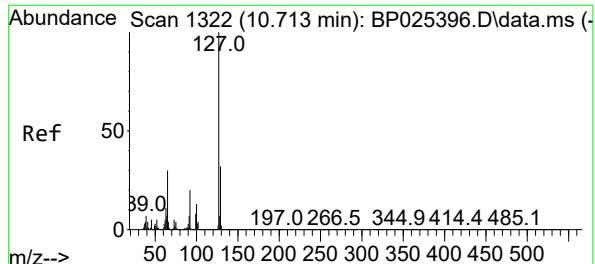
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#32
Benzoic acid
Concen: 39.537 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

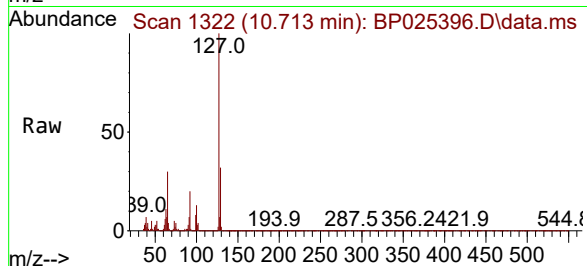
Tgt Ion:122 Resp: 301281
Ion Ratio Lower Upper
122 100
105 120.6 100.6 140.6
77 91.5 71.5 111.5





#33
4-Chloroaniline
Concen: 39.350 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

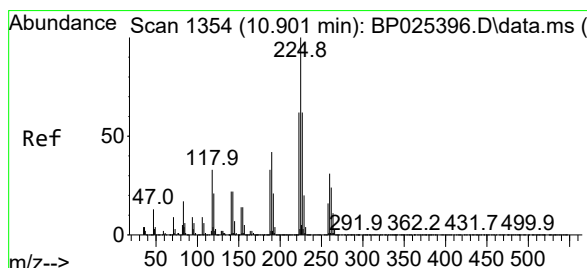
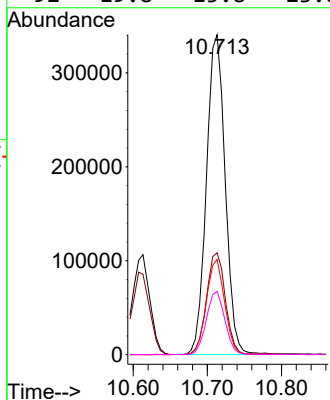
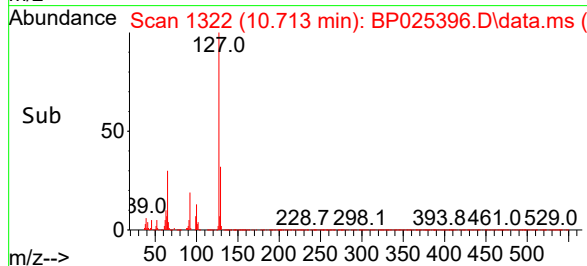
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:127 Resp: 599460
Ion Ratio Lower Upper
127 100
129 31.8 25.4 38.2
65 29.7 23.8 35.6
92 19.8 15.8 23.8

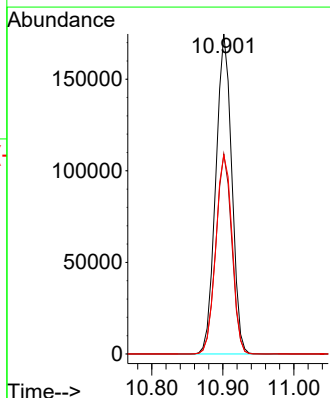
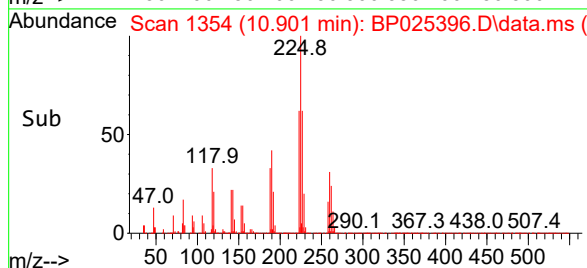
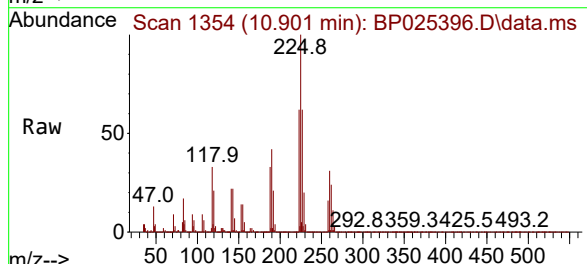
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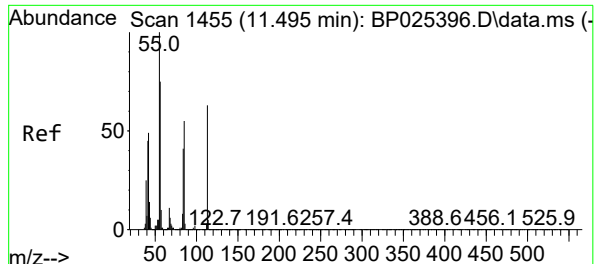
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#34
Hexachlorobutadiene
Concen: 38.700 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:225 Resp: 271549
Ion Ratio Lower Upper
225 100
223 62.5 50.0 75.0
227 62.1 49.7 74.5





#35

Caprolactam

Concen: 38.520 ng

RT: 11.495 min Scan# 1455

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:113 Resp: 14517

Ion Ratio Lower Upper

113 100

55 160.0 140.0 180.0

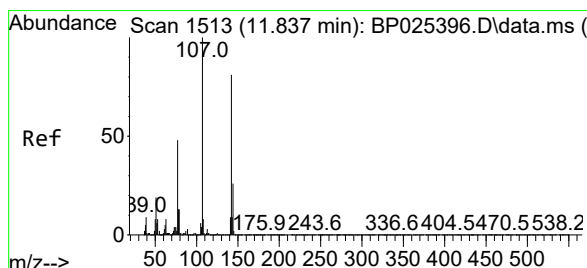
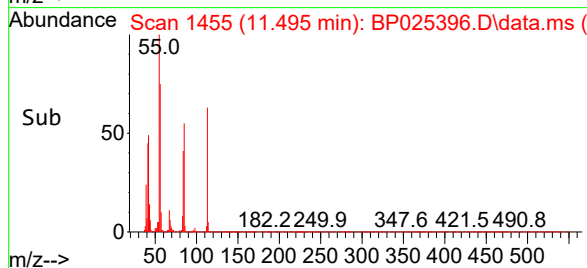
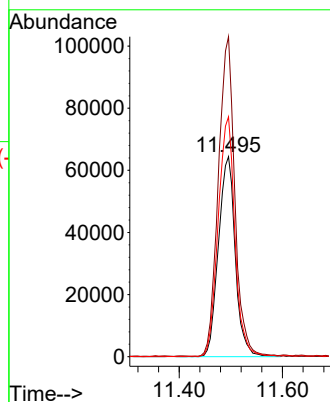
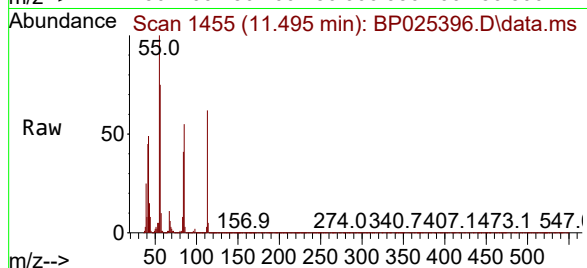
56 120.0 100.0 140.0

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#36

4-Chloro-3-methylphenol

Concen: 38.959 ng

RT: 11.837 min Scan# 1513

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

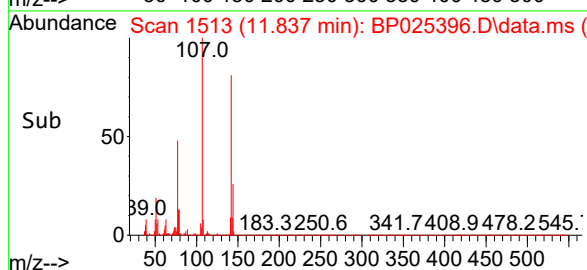
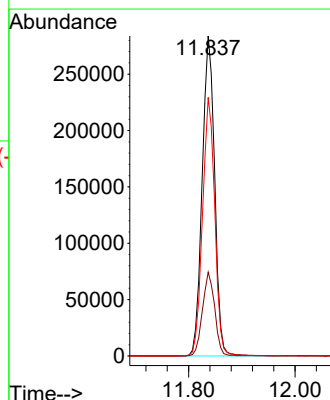
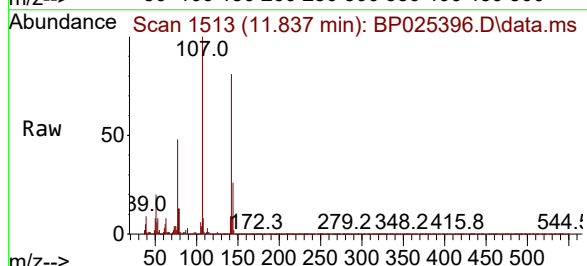
Tgt Ion:107 Resp: 459473

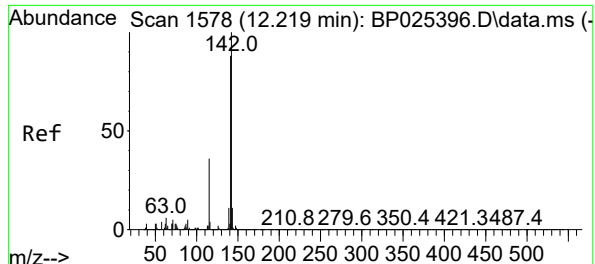
Ion Ratio Lower Upper

107 100

144 26.2 21.0 31.4

142 80.8 64.6 97.0





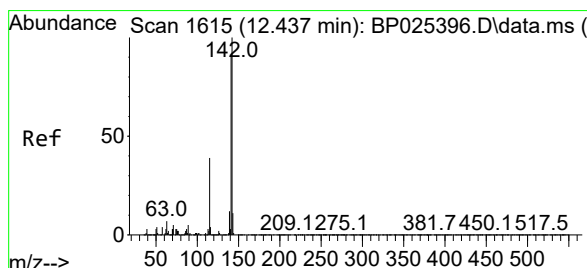
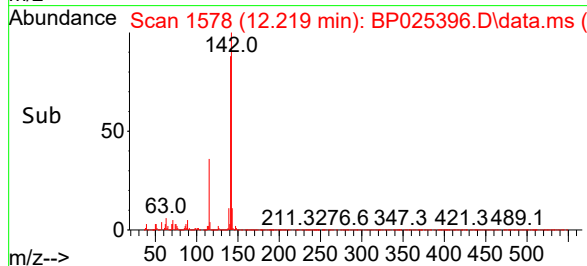
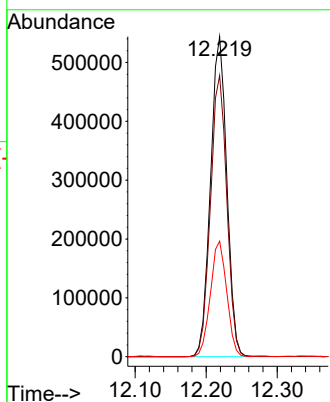
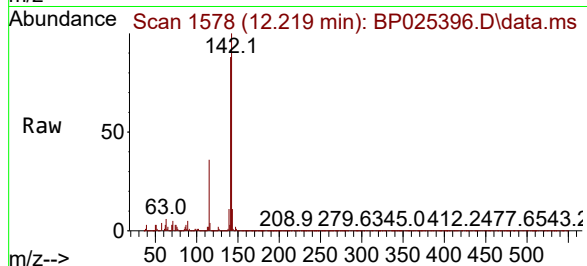
#37
2-Methylnaphthalene
Concen: 38.559 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 86542
Ion Ratio Lower Upper
142 100
141 87.9 70.3 105.5
115 36.1 28.9 43.3

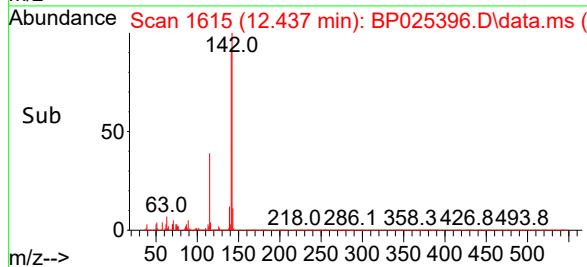
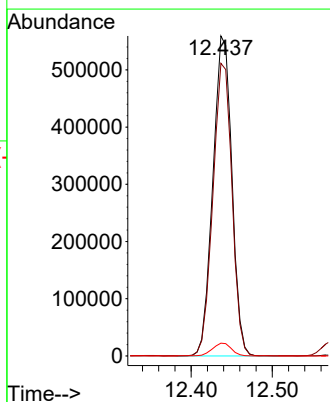
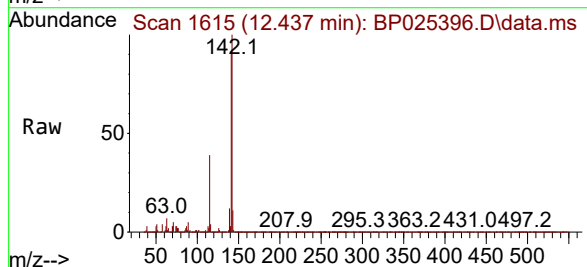
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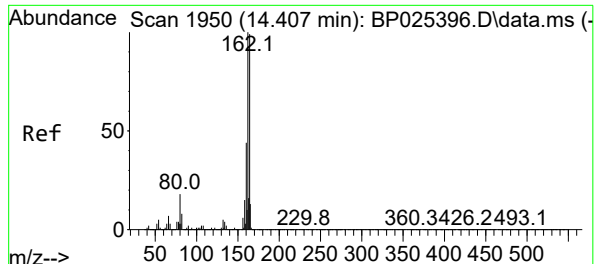
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#38
1-Methylnaphthalene
Concen: 38.120 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:142 Resp: 909865
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7
116 4.0 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.407 min Scan# 1950

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

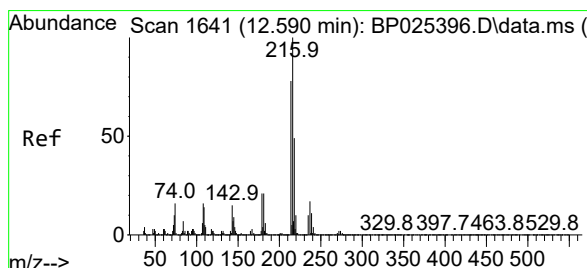
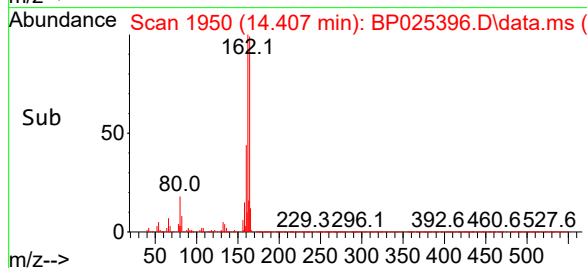
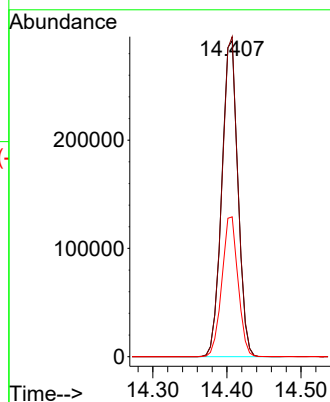
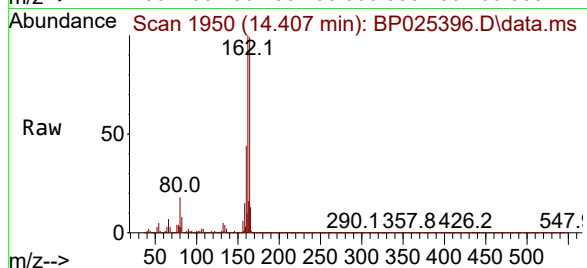
SSTDICCC040

Tgt Ion:	164	Resp:	441110
Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.0	121.6
160	44.3	35.4	53.2

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.787 ng

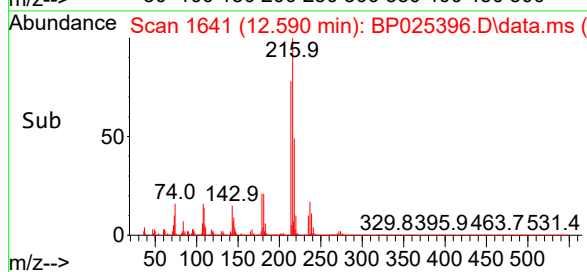
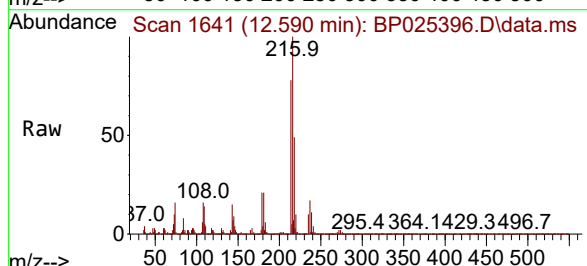
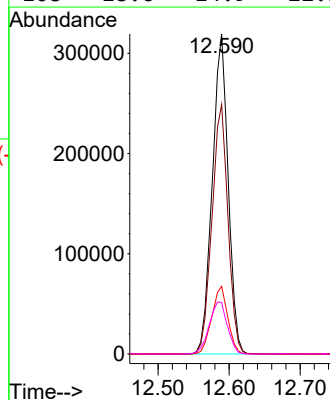
RT: 12.590 min Scan# 1641

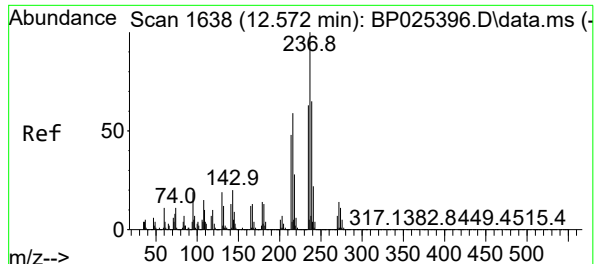
Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Tgt Ion:	216	Resp:	494141
Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	21.4	17.1	25.7
108	18.6	14.9	22.3





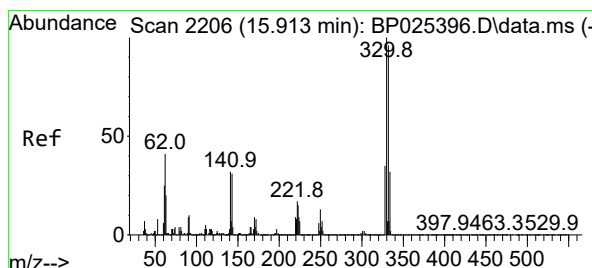
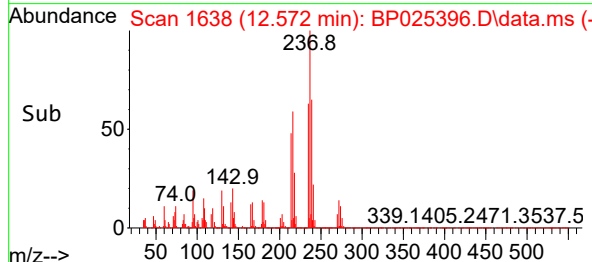
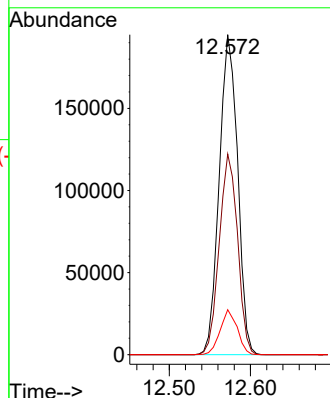
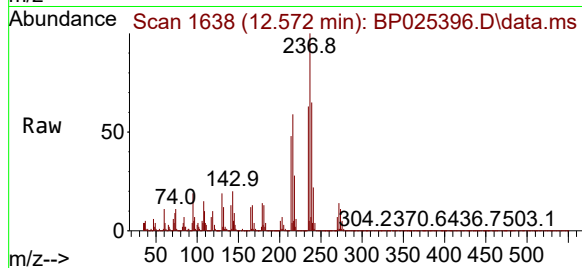
#41
Hexachlorocyclopentadiene
Concen: 39.896 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
Client Sample Id :
SSTDICCC040

Tgt Ion: 237 Resp: 307015
Ion Ratio Lower Upper
237 100
235 62.7 42.7 82.7
272 14.0 0.0 34.0

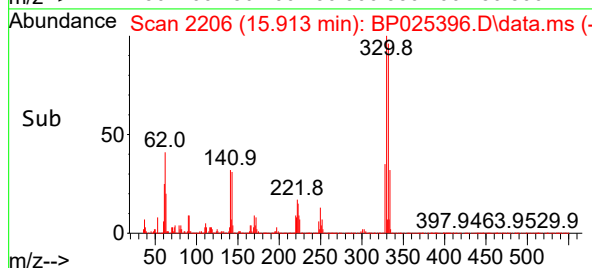
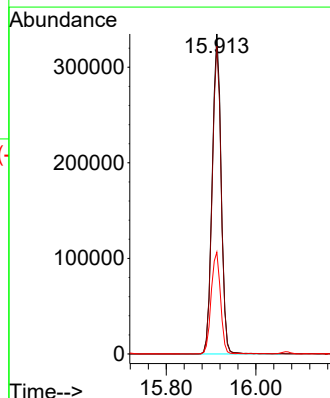
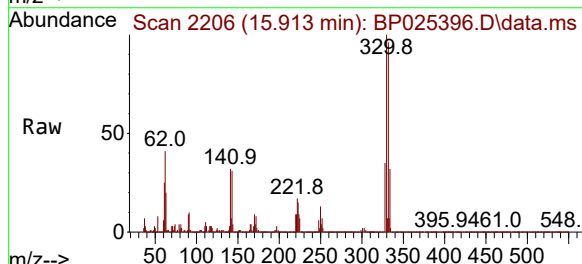
Manual Integrations
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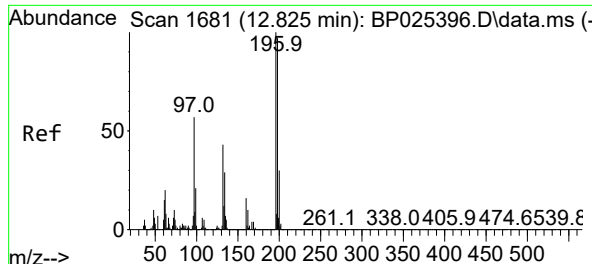
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#42
2,4,6-Tribromophenol
Concen: 78.112 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

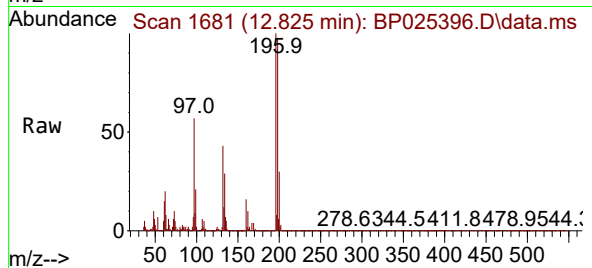
Tgt Ion: 330 Resp: 463783
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 33.2 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 39.201 ng
RT: 12.825 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

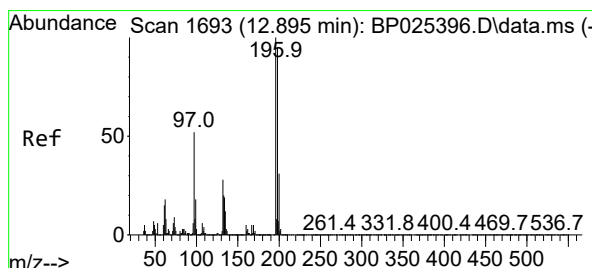
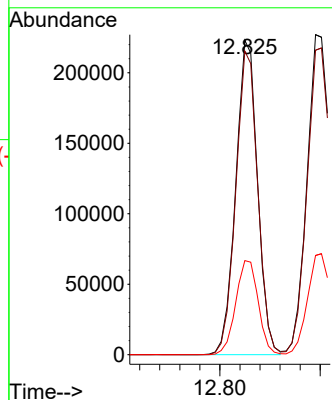
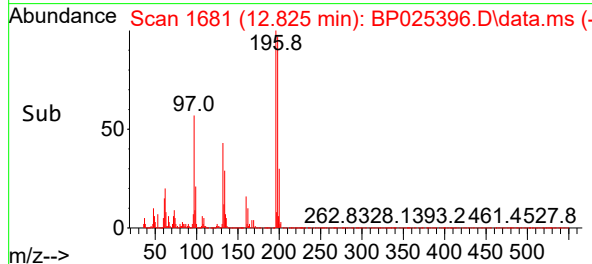
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



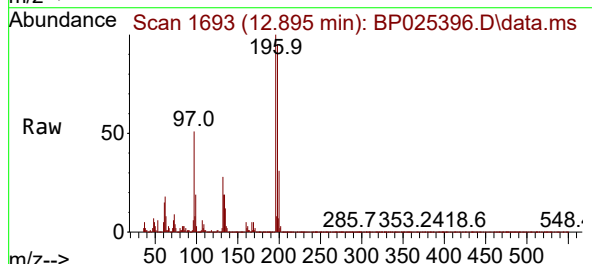
Tgt Ion:196 Resp: 33715
Ion Ratio Lower Upper
196 100
198 96.5 77.2 115.8
200 29.9 23.9 35.9

Manual Integrations
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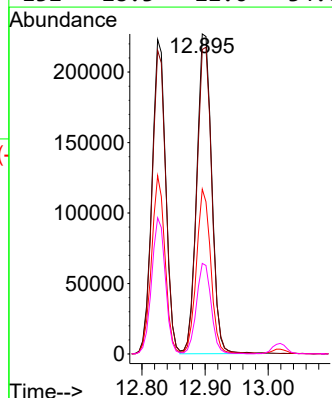
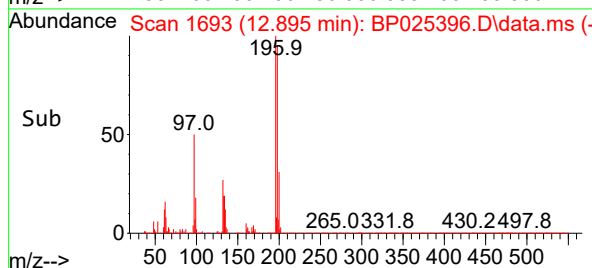
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

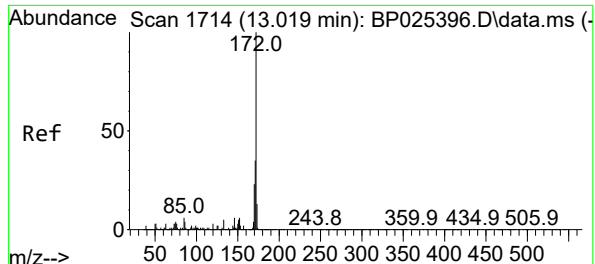


#44
2,4,5-Trichlorophenol
Concen: 39.664 ng
RT: 12.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



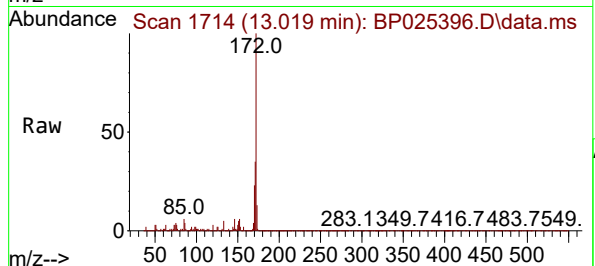
Tgt Ion:196 Resp: 373880
Ion Ratio Lower Upper
196 100
198 95.2 76.2 114.2
97 51.5 41.2 61.8
132 28.3 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 76.118 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

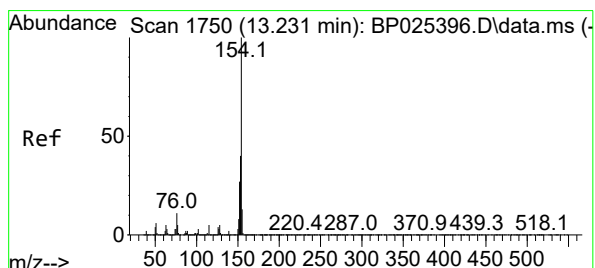
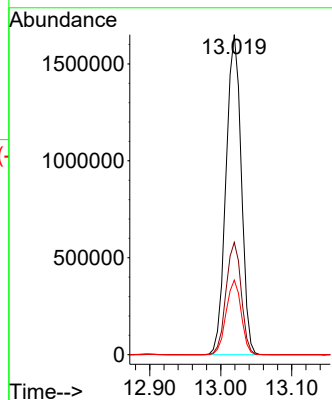
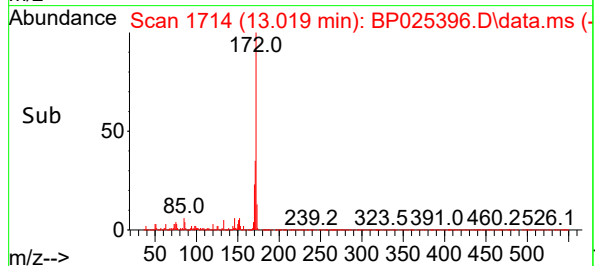
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



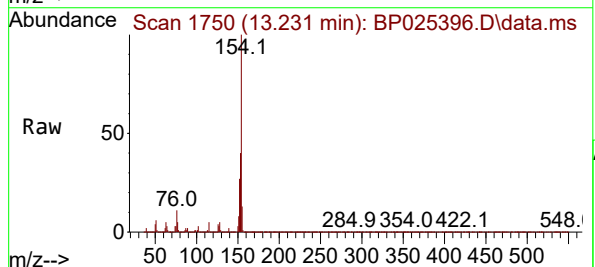
Tgt Ion:172 Resp: 245678
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.3 18.6 28.0

Manual Integrations
APPROVED

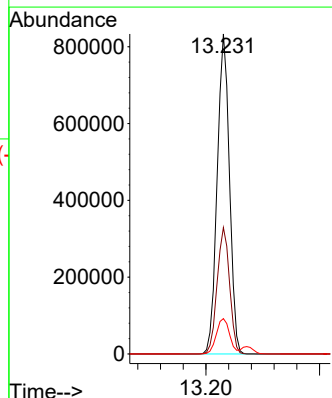
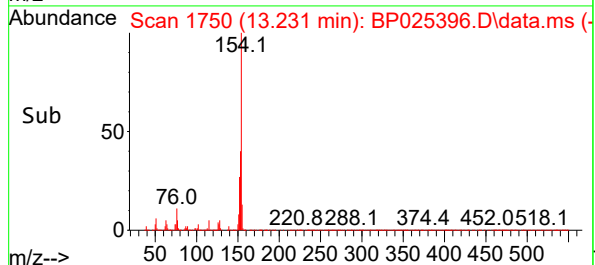
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

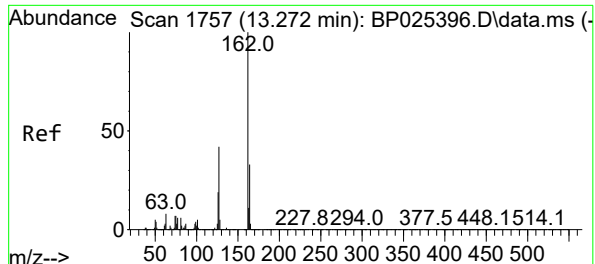


#46
1,1'-Biphenyl
Concen: 38.777 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion:154 Resp: 1242247
Ion Ratio Lower Upper
154 100
153 39.5 19.5 59.5
76 11.1 0.0 31.1





#47

2-Chloronaphthalene

Concen: 38.930 ng

RT: 13.272 min Scan# 1757

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

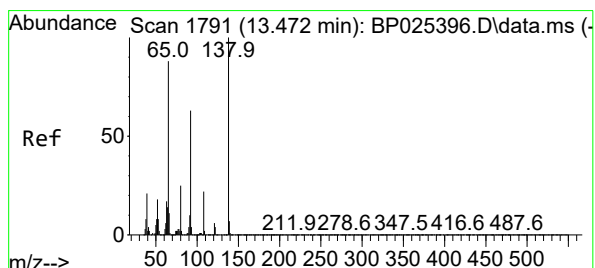
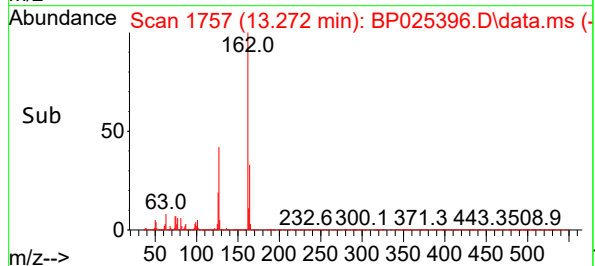
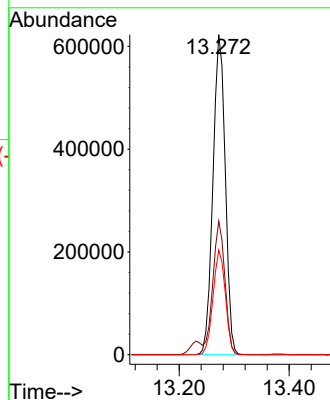
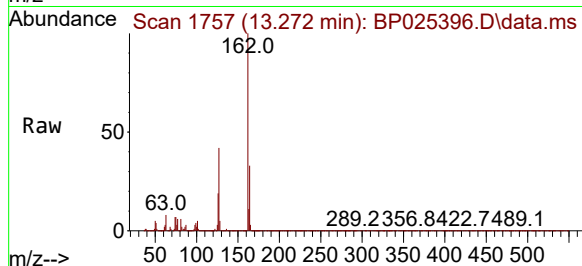
SSTDICCC040

Tgt Ion:	162	Resp:	97090
Ion Ratio	Lower	Upper	
162	100		
127	41.8	33.4	50.2
164	32.7	26.2	39.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#48

2-Nitroaniline

Concen: 40.092 ng

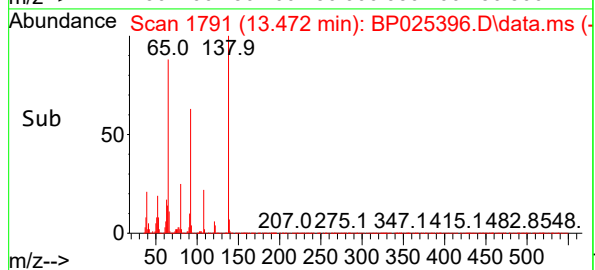
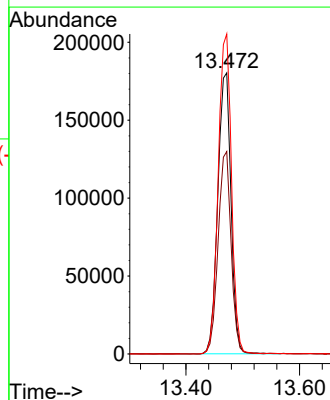
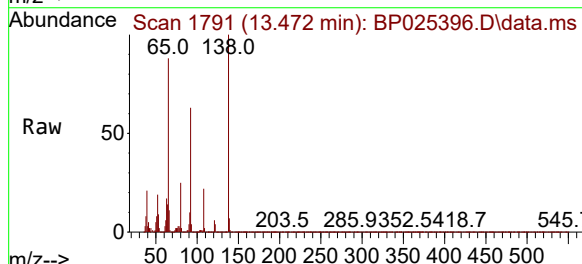
RT: 13.472 min Scan# 1791

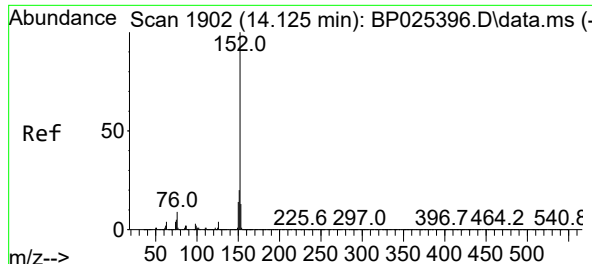
Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Tgt Ion:	65	Resp:	291341
Ion Ratio	Lower	Upper	
65	100		
92	72.0	57.6	86.4
138	113.8	91.0	136.6





#49

Acenaphthylene

Concen: 38.617 ng

RT: 14.125 min Scan# 1902

Delta R.T. 0.000 min

Lab File: BP025396.D

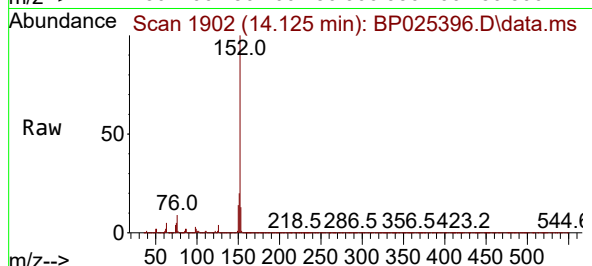
Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040



Tgt Ion:152 Resp: 1593630

Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

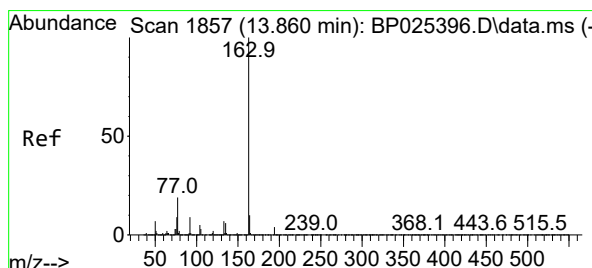
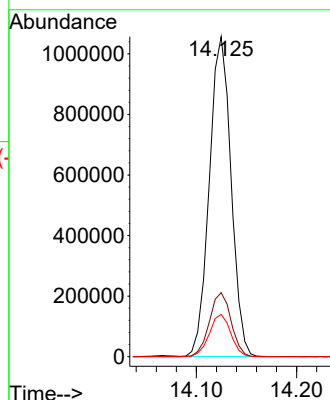
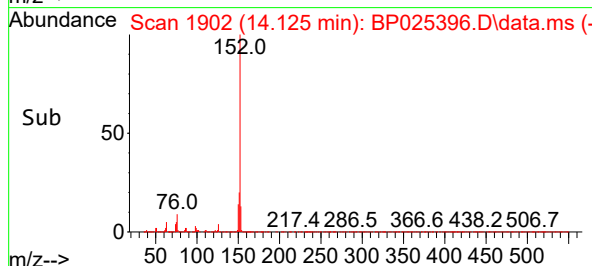
153 13.2 10.6 15.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#50

Dimethylphthalate

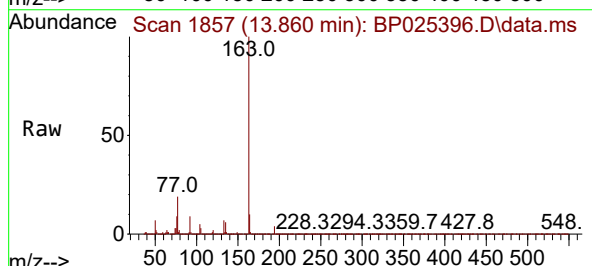
Concen: 38.316 ng

RT: 13.860 min Scan# 1857

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19



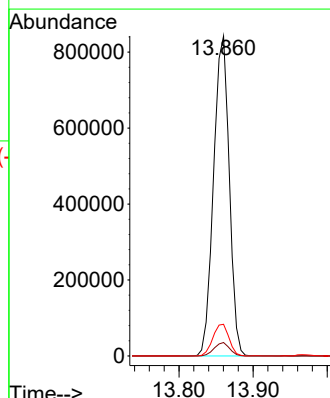
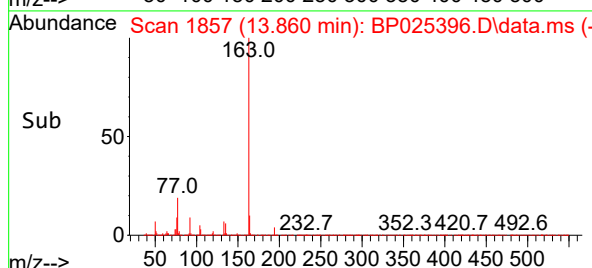
Tgt Ion:163 Resp: 1237666

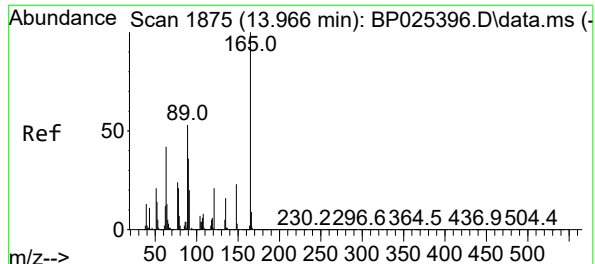
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

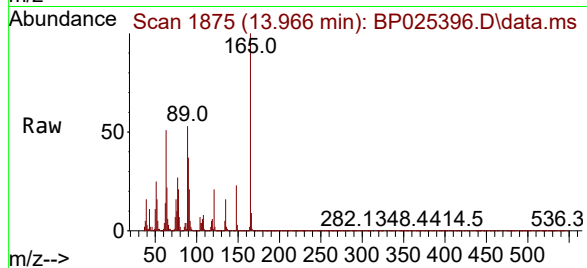
164 9.9 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 40.061 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

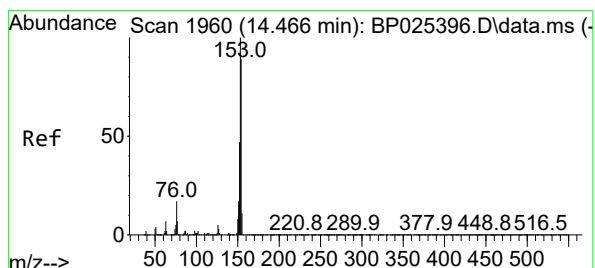
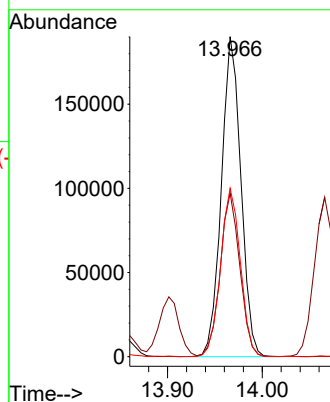
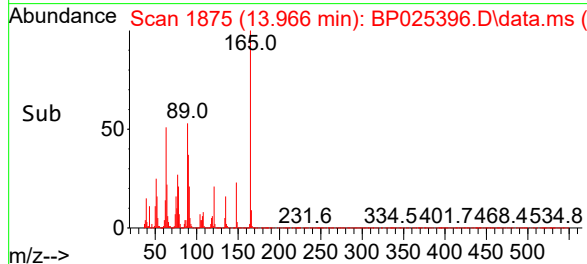
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 272750
Ion Ratio Lower Upper
165 100
63 51.1 40.9 61.3
89 52.6 42.1 63.1

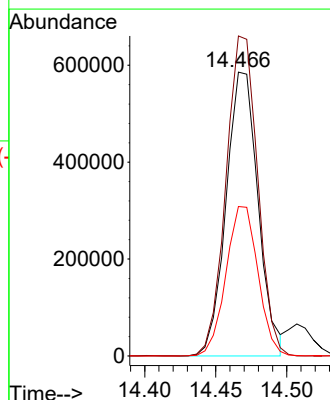
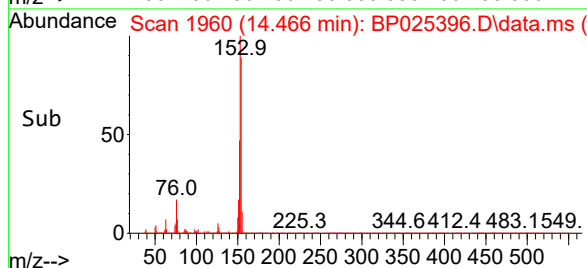
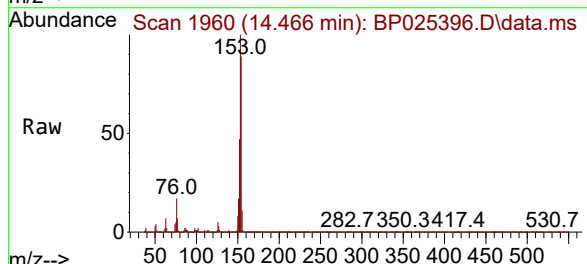
Manual Integrations
APPROVED

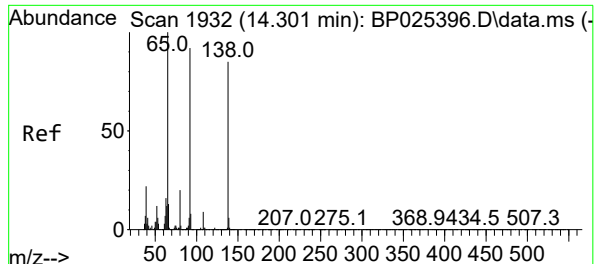
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#52
Acenaphthene
Concen: 37.921 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

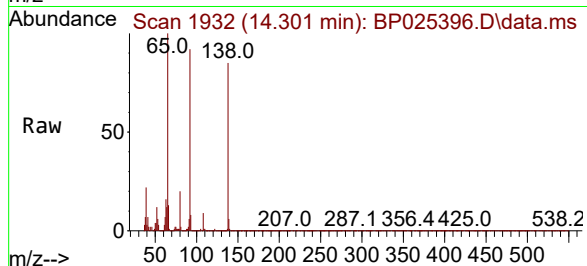
Tgt Ion:154 Resp: 918569
Ion Ratio Lower Upper
154 100
153 112.7 90.2 135.2
152 52.6 42.1 63.1





#53
3-Nitroaniline
Concen: 39.349 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

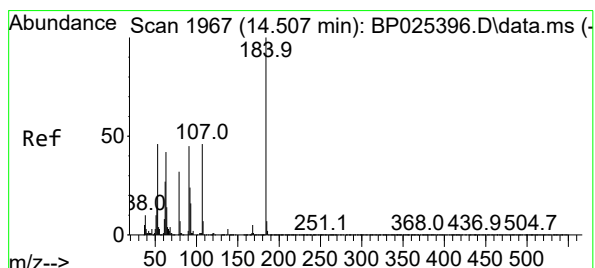
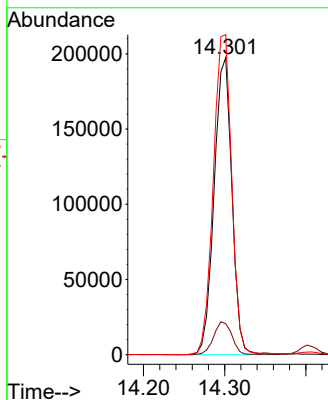
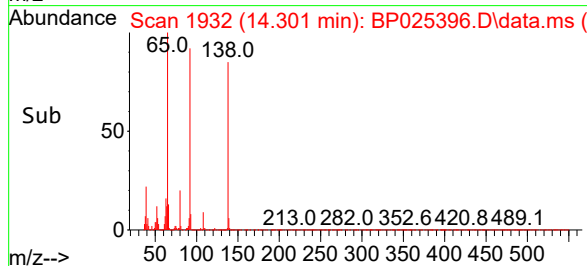
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 30141
Ion Ratio Lower Upper
138 100
108 10.4 8.3 12.5
92 107.7 86.2 129.2

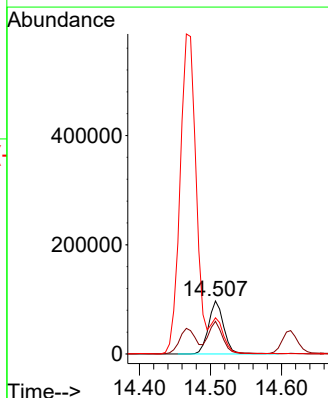
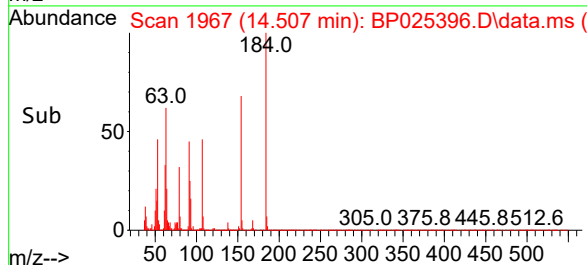
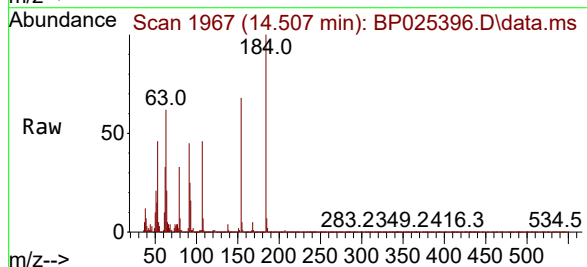
Manual Integrations
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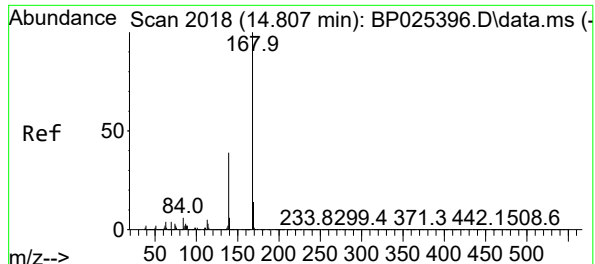
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#54
2,4-Dinitrophenol
Concen: 39.633 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

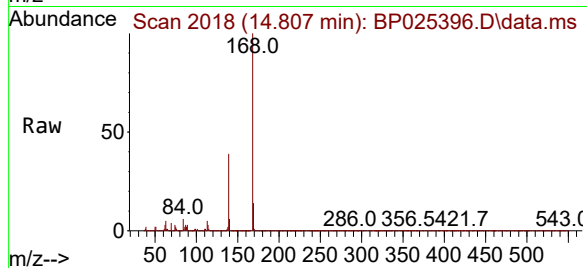
Tgt Ion:184 Resp: 144100
Ion Ratio Lower Upper
184 100
63 61.8 49.4 74.2
154 68.3 54.6 82.0





#55
Dibenzenofuran
Concen: 38.624 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

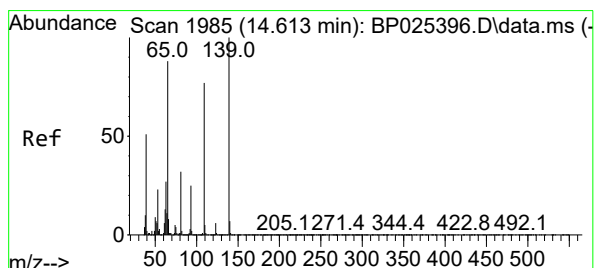
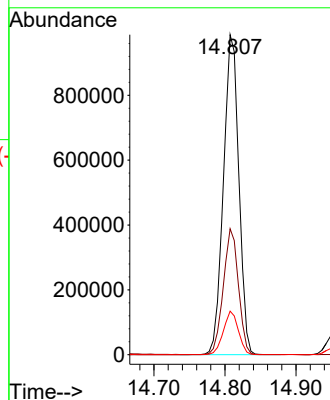
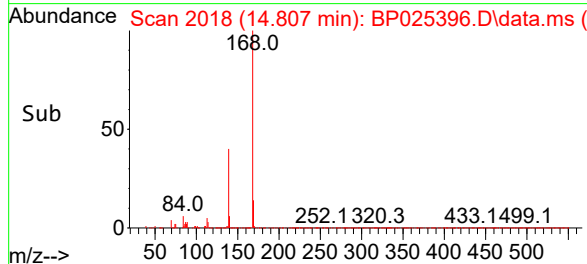
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:168 Resp: 1479220
Ion Ratio Lower Upper
168 100
139 39.4 31.5 47.3
169 13.6 10.9 16.3

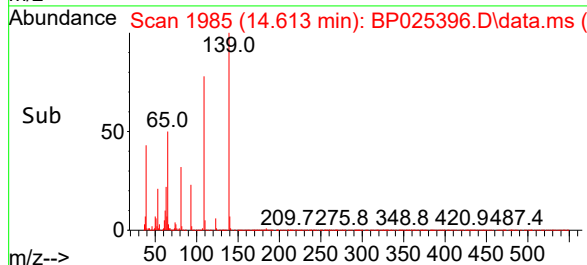
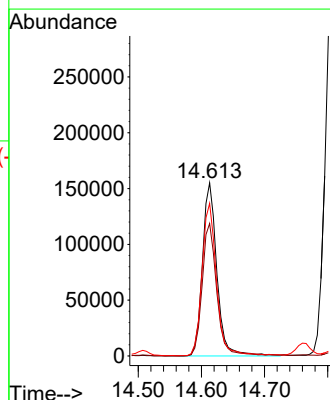
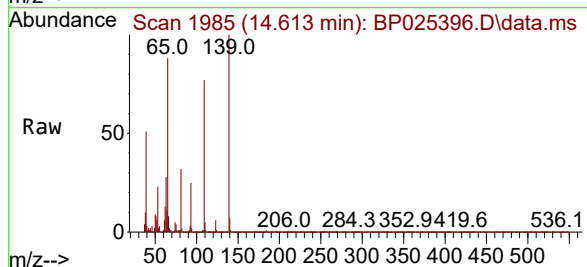
Manual Integrations
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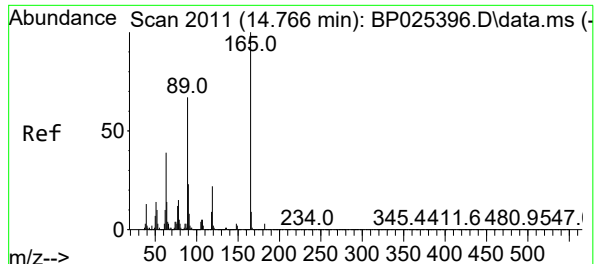
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#56
4-Nitrophenol
Concen: 39.168 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

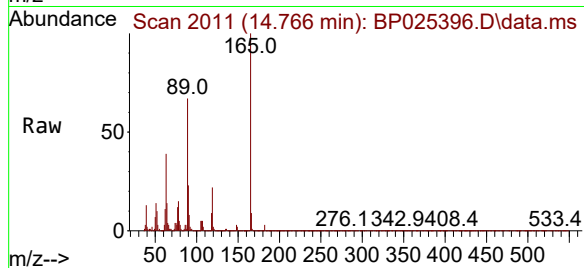
Tgt Ion:139 Resp: 246542
Ion Ratio Lower Upper
139 100
109 76.6 56.6 96.6
65 88.2 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 39.757 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

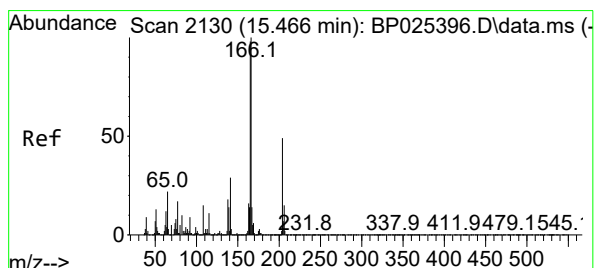
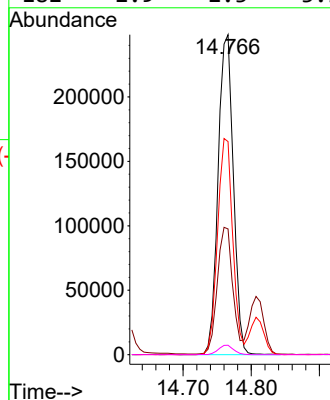
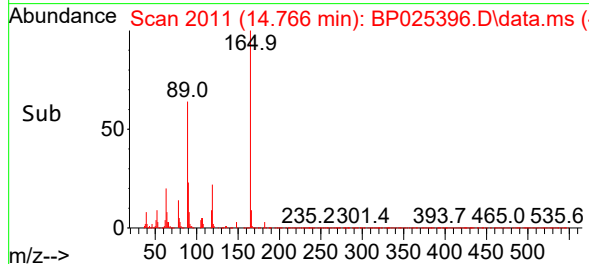
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 386189
Ion Ratio Lower Upper
165 100
63 39.3 31.4 47.2
89 66.6 53.3 79.9
182 2.9 2.3 3.5

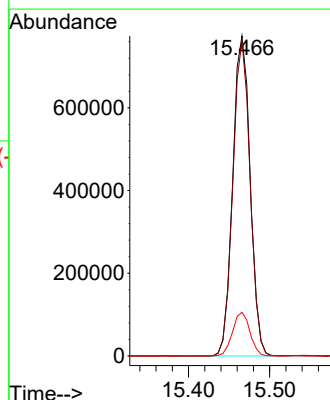
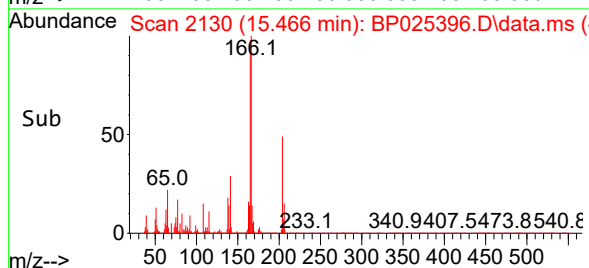
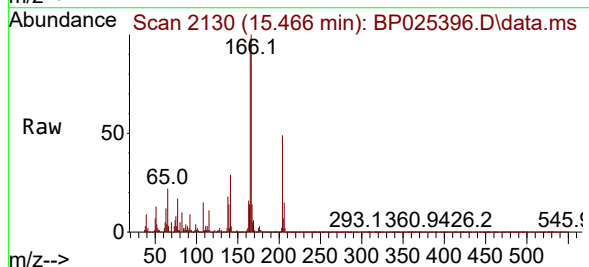
Manual Integrations
APPROVED

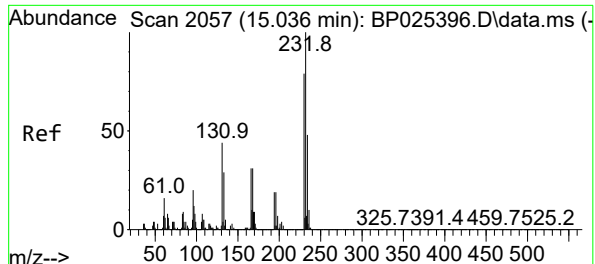
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#58
Fluorene
Concen: 38.115 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:166 Resp: 1151825
Ion Ratio Lower Upper
166 100
165 98.5 78.8 118.2
167 13.7 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 38.975 ng

RT: 15.036 min Scan# 2057

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:232 Resp: 324390

Ion Ratio Lower Upper

232 100

131 46.3 37.0 55.6

130 2.4 1.9 2.9

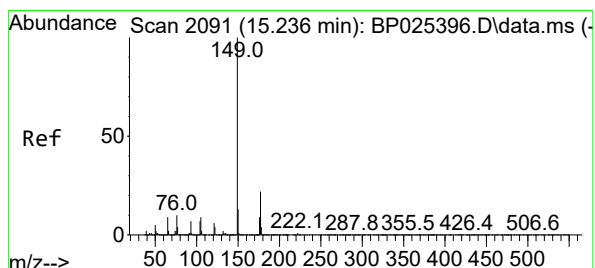
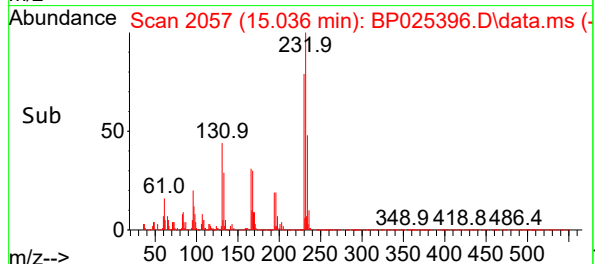
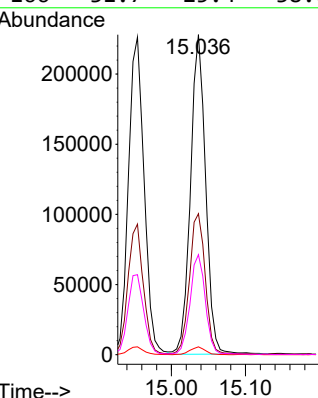
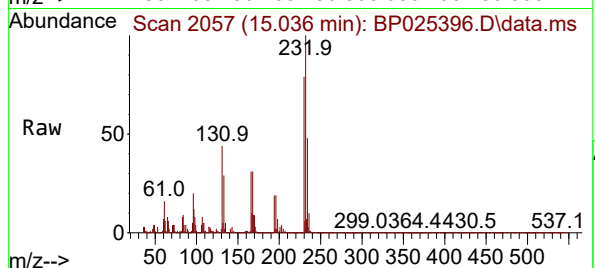
166 31.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#60

Diethylphthalate

Concen: 38.533 ng

RT: 15.236 min Scan# 2091

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

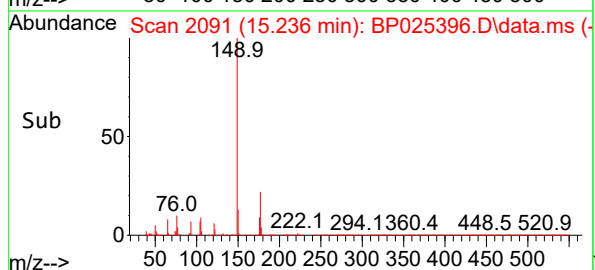
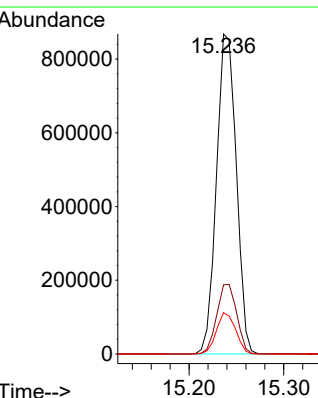
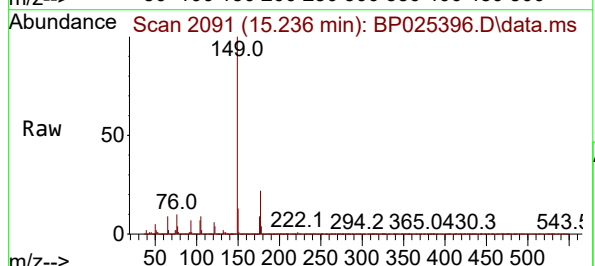
Tgt Ion:149 Resp: 1264740

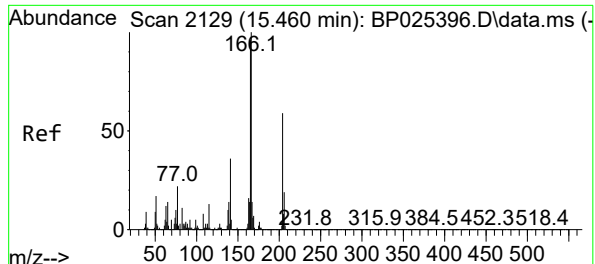
Ion Ratio Lower Upper

149 100

177 21.6 17.3 25.9

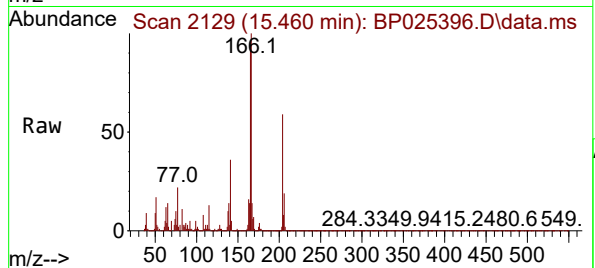
150 12.9 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 38.228 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

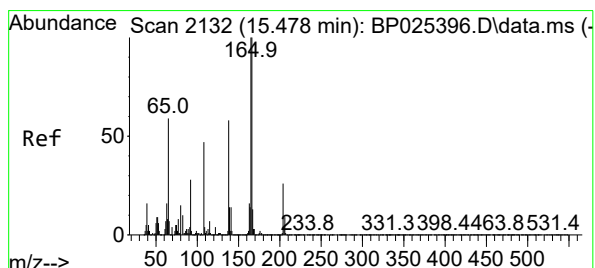
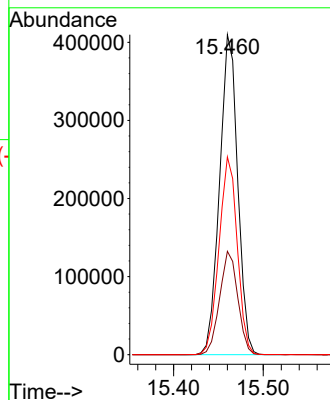
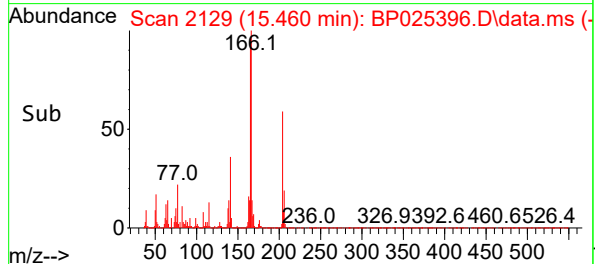
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:204 Resp: 574540
Ion Ratio Lower Upper
204 100
206 32.3 25.8 38.8
141 61.8 49.4 74.2

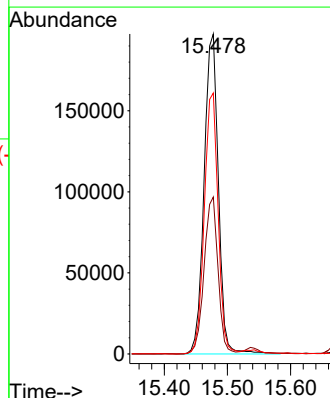
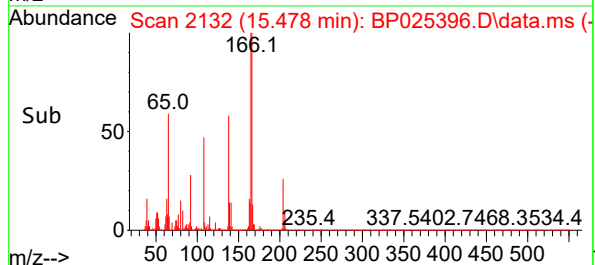
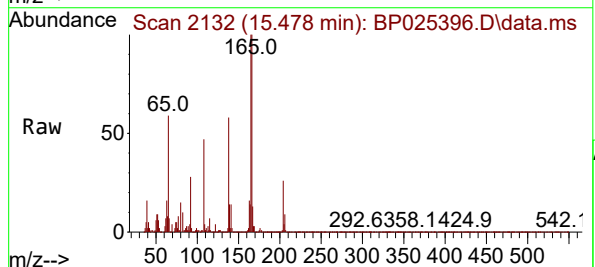
Manual Integrations
APPROVED

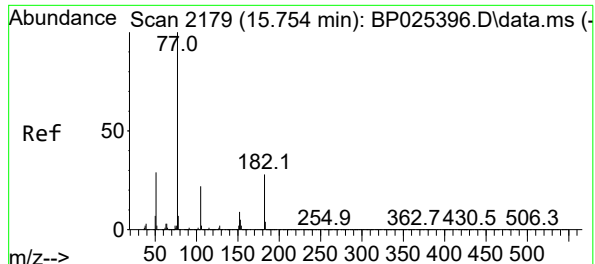
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#62
4-Nitroaniline
Concen: 39.443 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

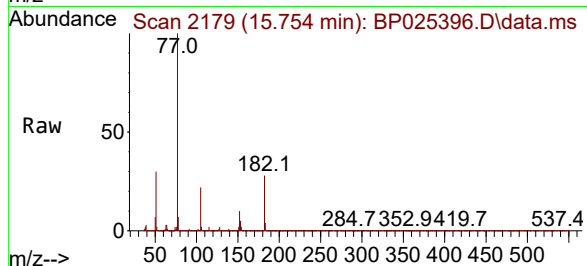
Tgt Ion:138 Resp: 309740
Ion Ratio Lower Upper
138 100
92 49.1 29.1 69.1
108 81.5 61.5 101.5





#63
Azobenzene
Concen: 38.820 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

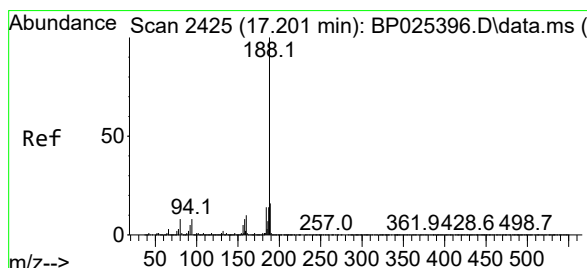
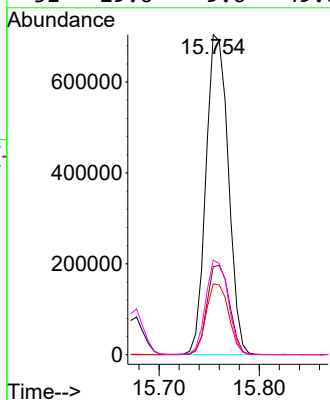
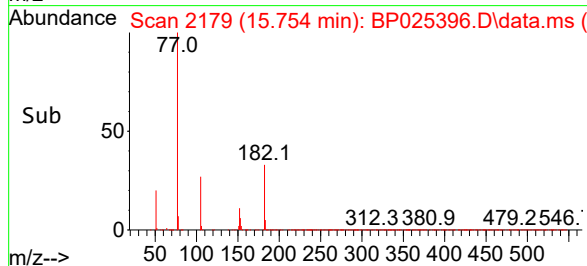
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 1091004
Ion Ratio Lower Upper
77 100
182 27.5 7.5 47.5
105 22.1 2.1 42.1
51 29.6 9.6 49.6

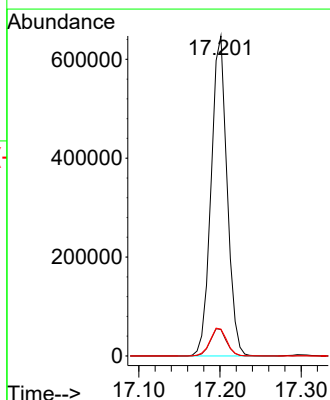
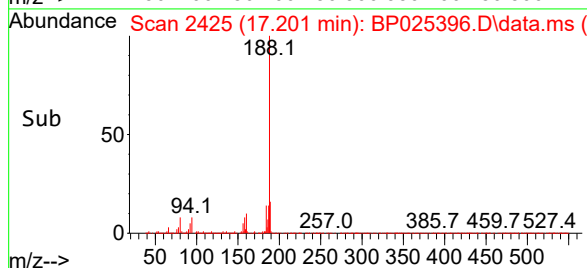
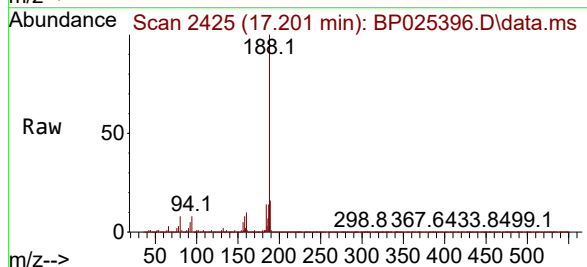
Manual Integrations
APPROVED

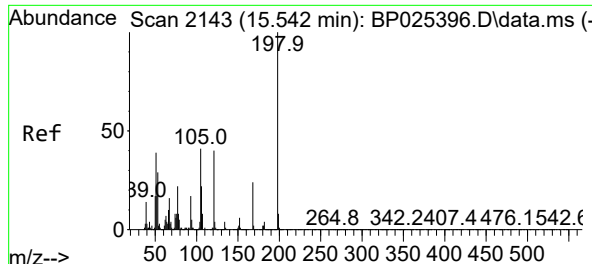
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:188 Resp: 884529
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 8.4 6.7 10.1





#65

4,6-Dinitro-2-methylphenol

Concen: 39.384 ng

RT: 15.542 min Scan# 2143

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:198 Resp: 21715

Ion Ratio Lower Upper

198 100

51 39.6 19.6 59.6

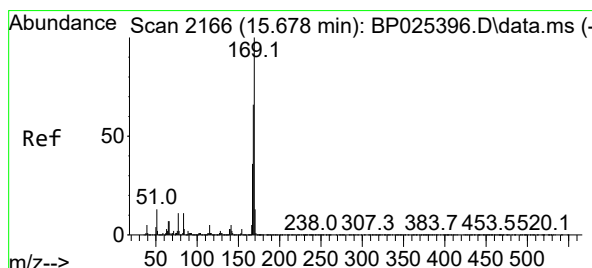
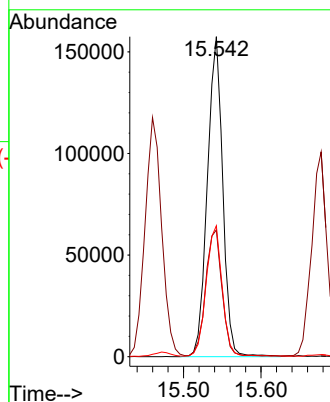
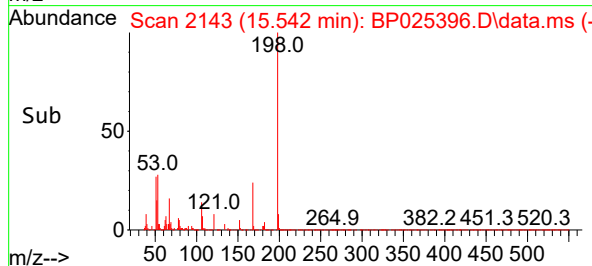
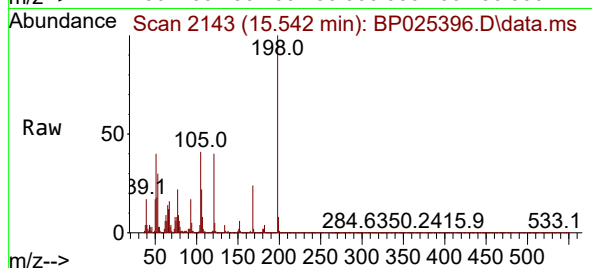
105 40.9 20.9 60.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#66

n-Nitrosodiphenylamine

Concen: 38.749 ng

RT: 15.678 min Scan# 2166

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

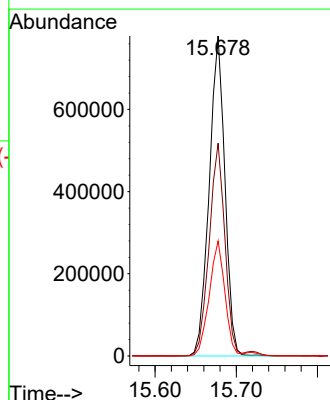
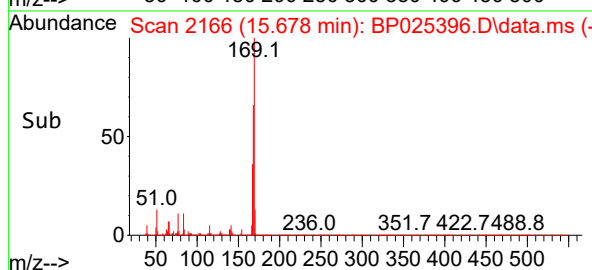
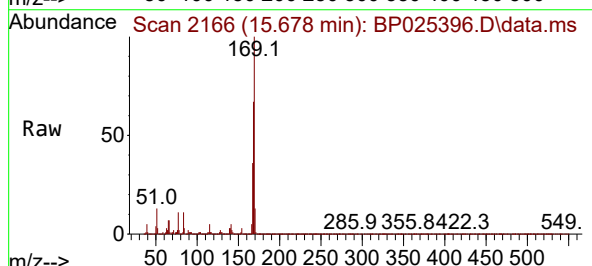
Tgt Ion:169 Resp: 1045170

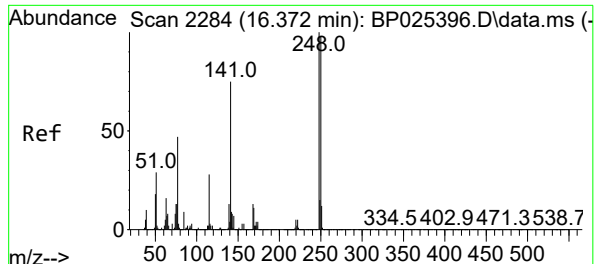
Ion Ratio Lower Upper

169 100

168 66.5 53.2 79.8

167 35.9 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 38.739 ng

RT: 16.372 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:248 Resp: 376864

Ion Ratio Lower Upper

248 100

250 97.7 78.2 117.2

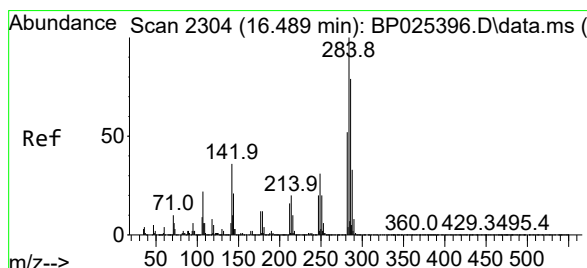
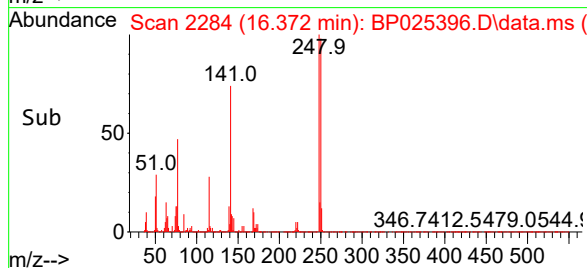
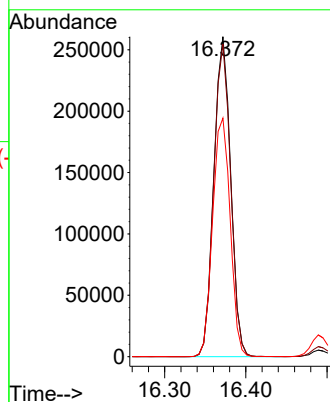
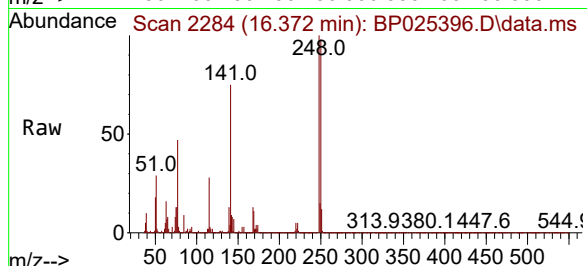
141 74.5 59.6 89.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#68

Hexachlorobenzene

Concen: 37.986 ng

RT: 16.489 min Scan# 2304

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

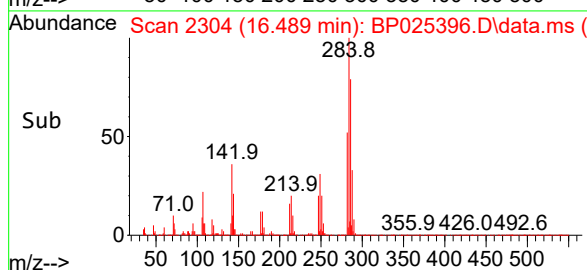
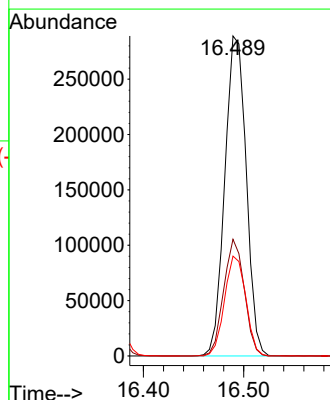
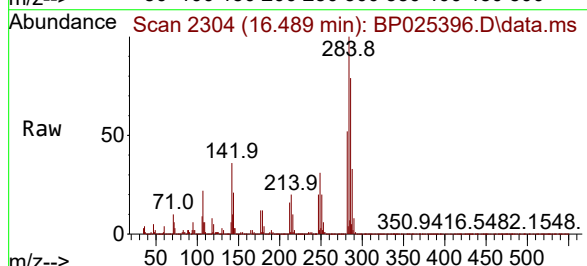
Tgt Ion:284 Resp: 428361

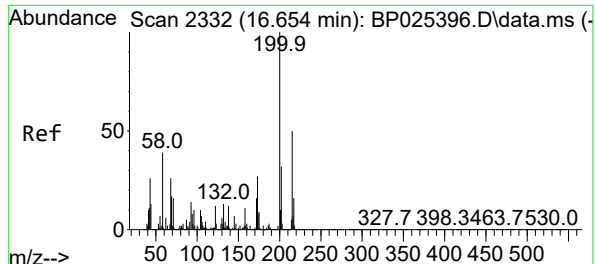
Ion Ratio Lower Upper

284 100

142 36.4 29.1 43.7

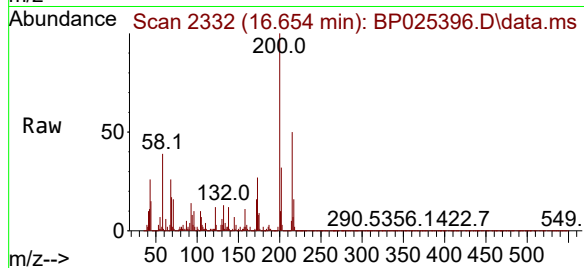
249 31.2 25.0 37.4





#69
Atrazine
Concen: 38.238 ng
RT: 16.654 min Scan# 2332
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

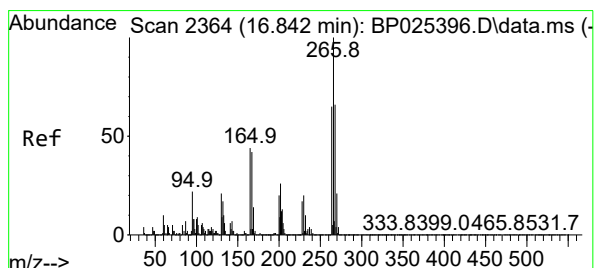
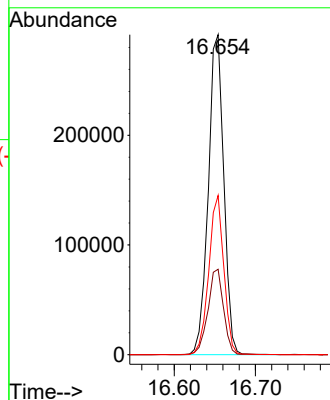
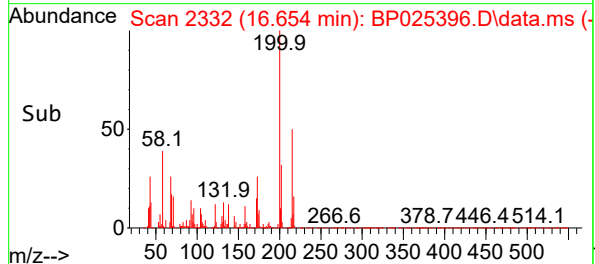
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



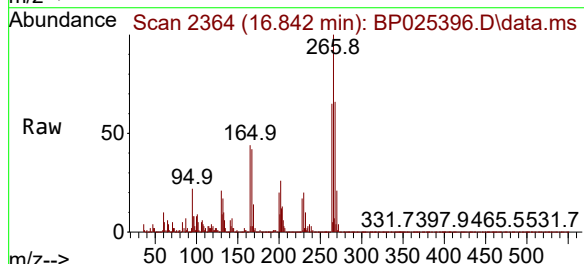
Tgt Ion:200 Resp: 386250
Ion Ratio Lower Upper
200 100
173 26.7 6.7 46.7
215 49.7 29.7 69.7

Manual Integrations
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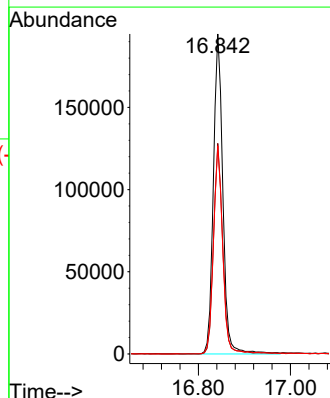
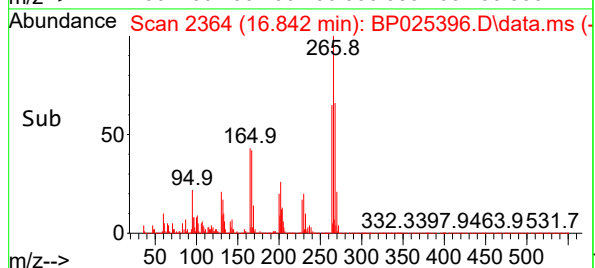
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

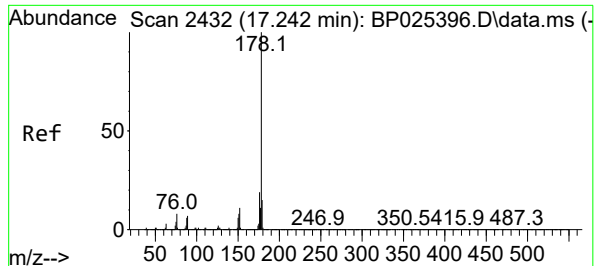


#70
Pentachlorophenol
Concen: 39.110 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



Tgt Ion:266 Resp: 278412
Ion Ratio Lower Upper
266 100
268 65.8 52.6 79.0
264 65.0 52.0 78.0





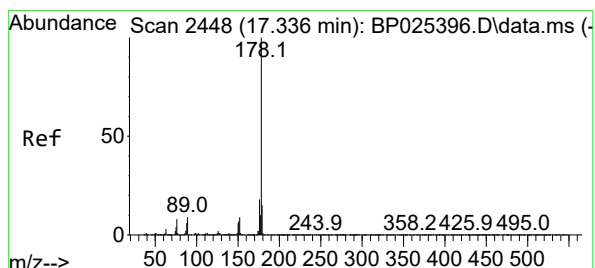
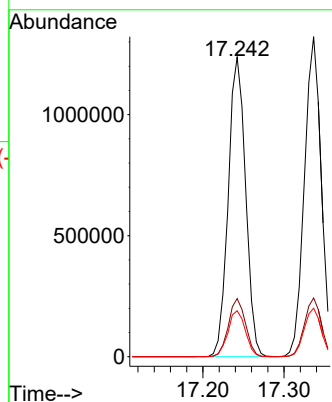
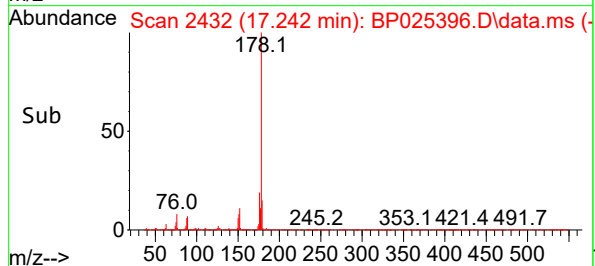
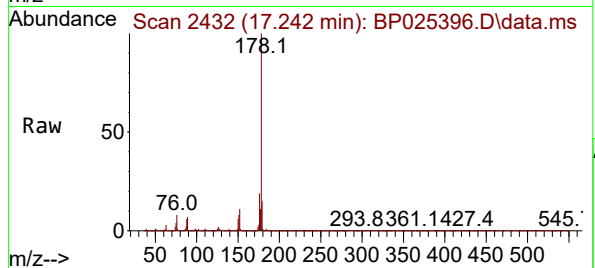
#71
Phenanthrene
Concen: 37.851 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 183919
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.3 12.2 18.4

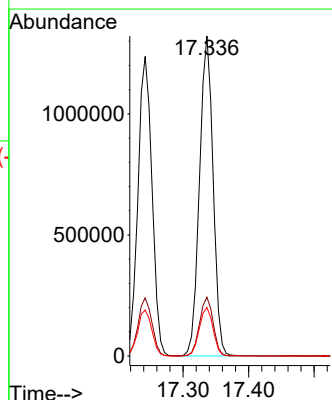
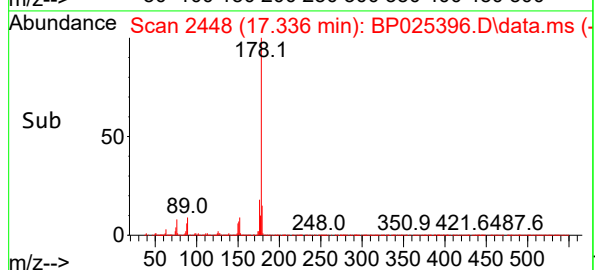
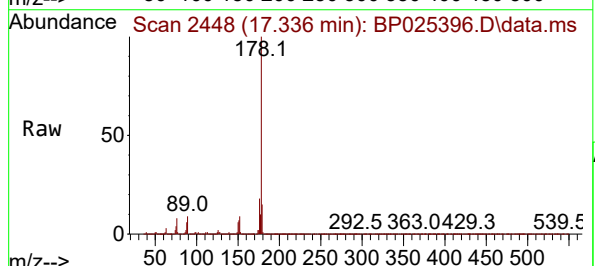
Manual Integrations
APPROVED

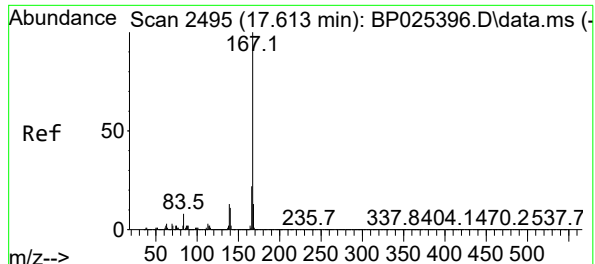
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#72
Anthracene
Concen: 38.456 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

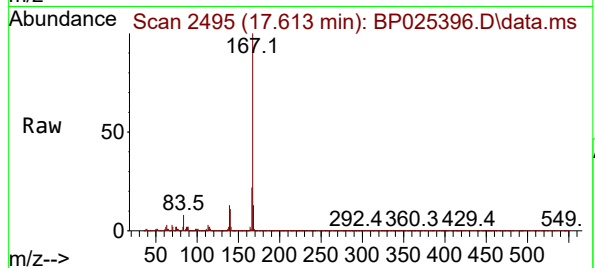
Tgt Ion:178 Resp: 1908189
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.2 12.2 18.2





#73
Carbazole
Concen: 38.125 ng
RT: 17.613 min Scan# 2495
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

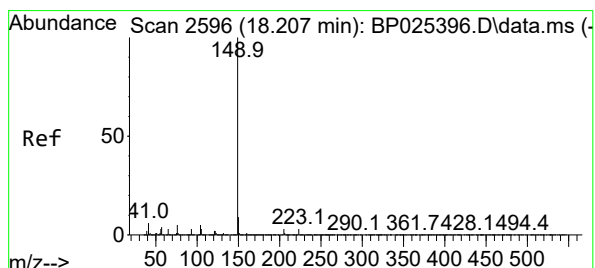
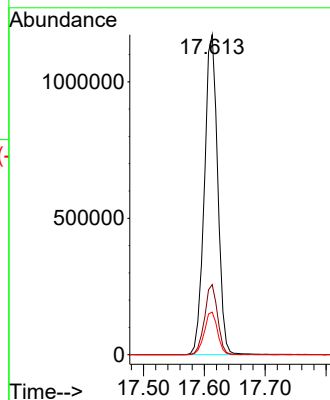
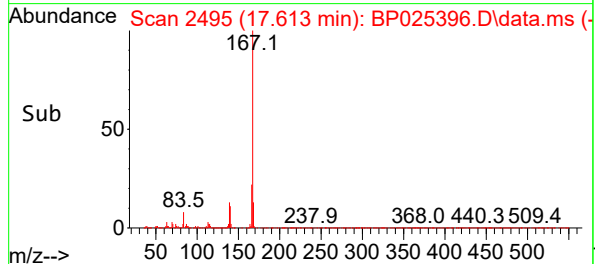
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



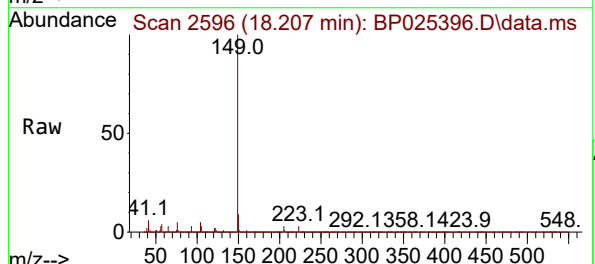
Tgt Ion:167 Resp: 1781890
Ion Ratio Lower Upper
167 100
166 21.9 17.5 26.3
139 13.3 10.6 16.0

Manual Integrations
APPROVED

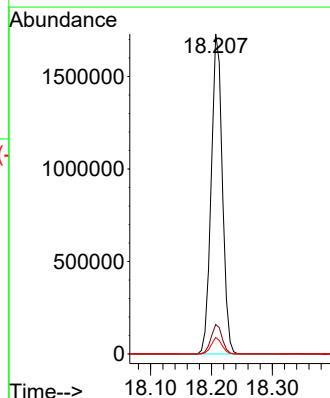
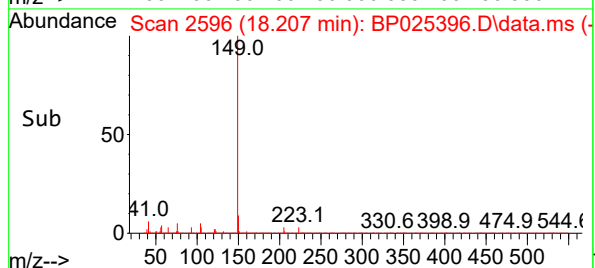
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

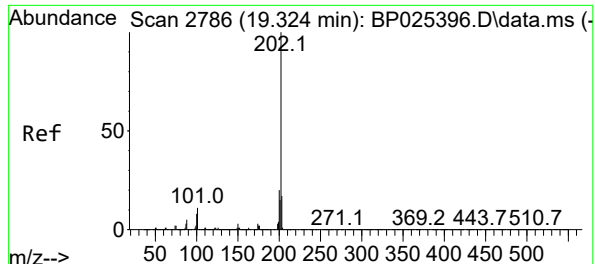


#74
Di-n-butylphthalate
Concen: 38.277 ng
RT: 18.207 min Scan# 2596
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



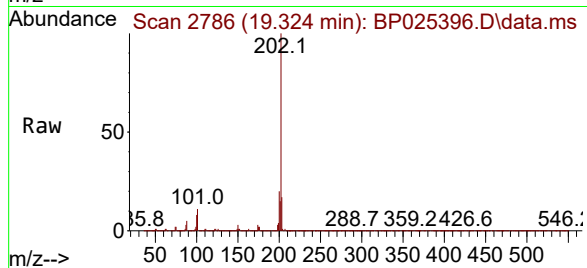
Tgt Ion:149 Resp: 2201043
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 37.488 ng
RT: 19.324 min Scan# 217275
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

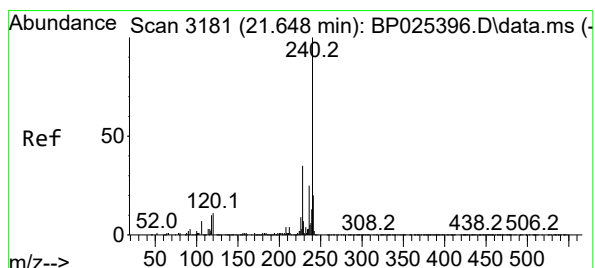
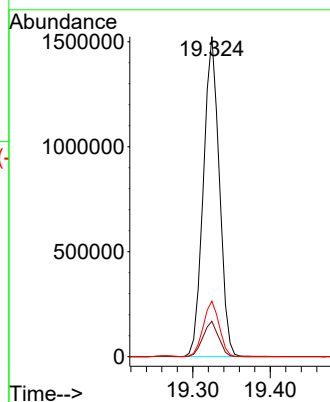
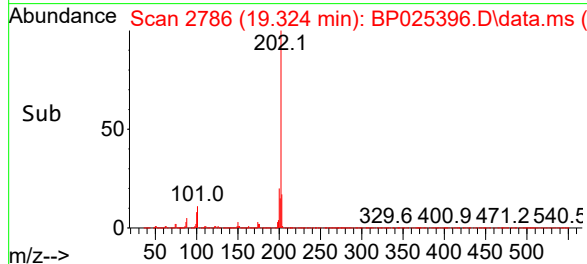
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 217275
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.1
203 17.3 0.0 37.3

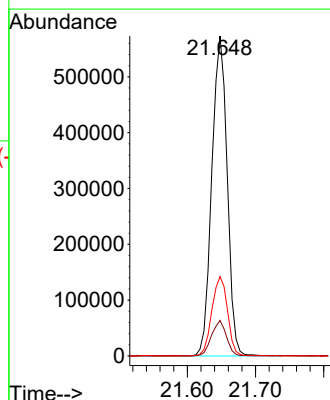
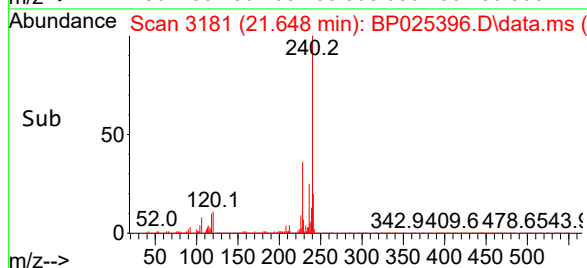
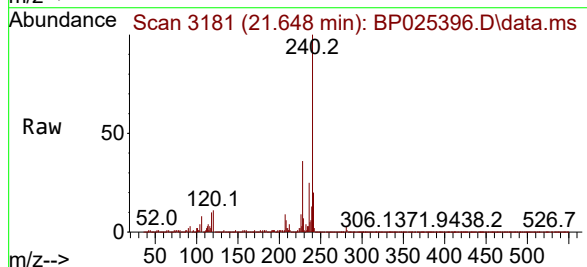
Manual Integrations
APPROVED

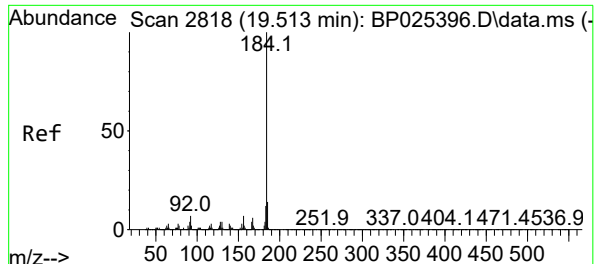
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:240 Resp: 899207
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 24.8 19.8 29.8





#77

Benzidine

Concen: 56.665 ng

RT: 19.513 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:184 Resp: 1738920

Ion Ratio Lower Upper

184 100

185 14.4 11.5 17.3

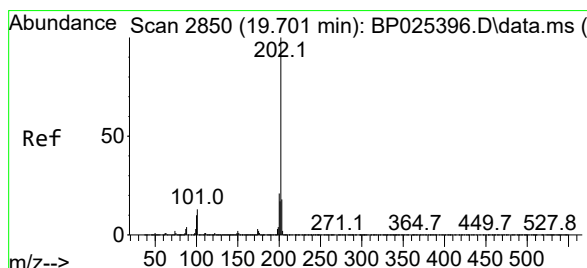
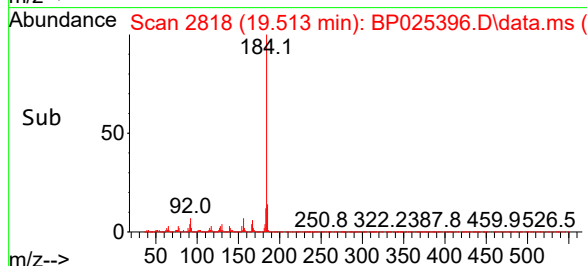
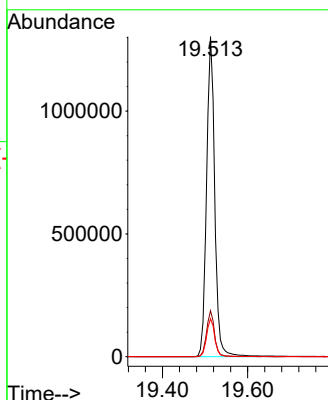
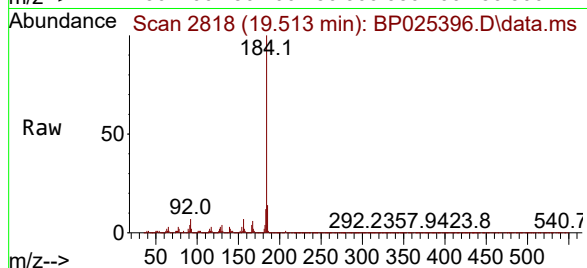
183 11.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#78

Pyrene

Concen: 39.189 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

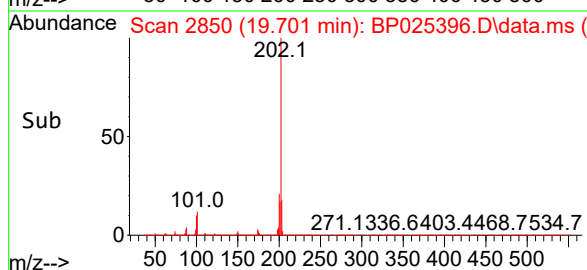
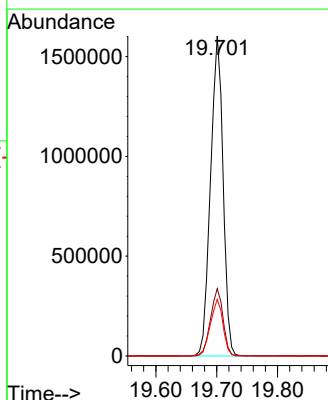
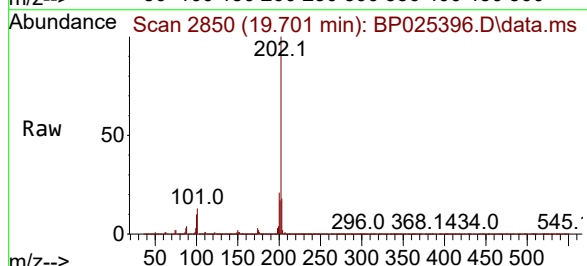
Tgt Ion:202 Resp: 2290461

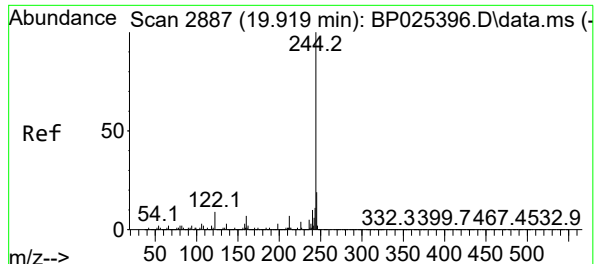
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 76.508 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 3760230

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

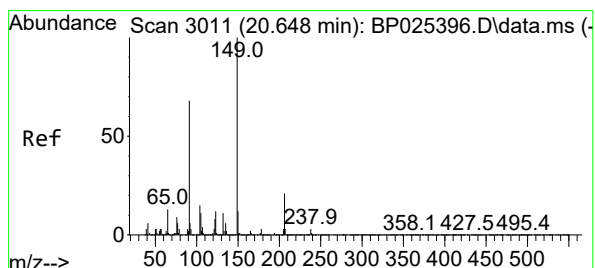
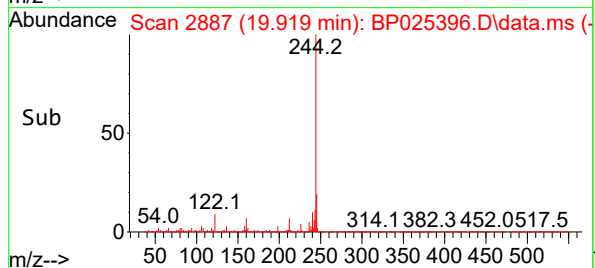
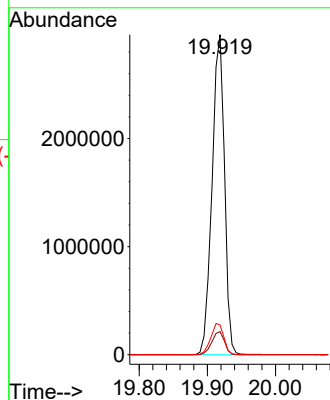
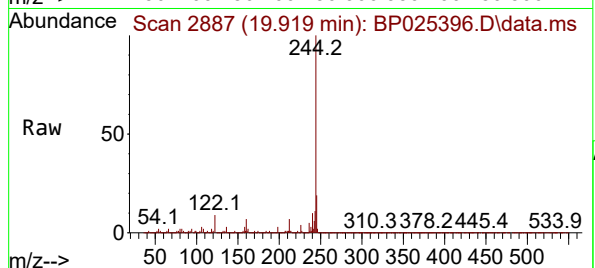
122 9.3 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#80

Butylbenzylphthalate

Concen: 39.338 ng

RT: 20.648 min Scan# 3011

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

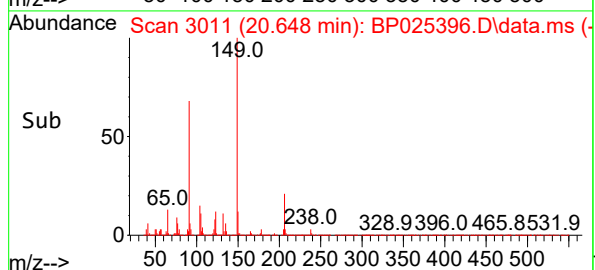
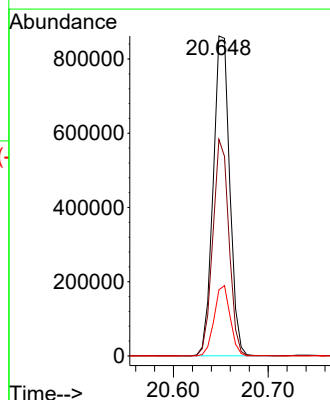
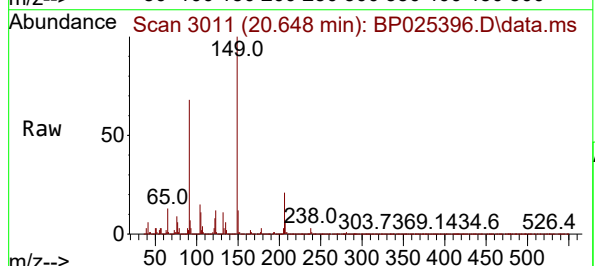
Tgt Ion:149 Resp: 1041998

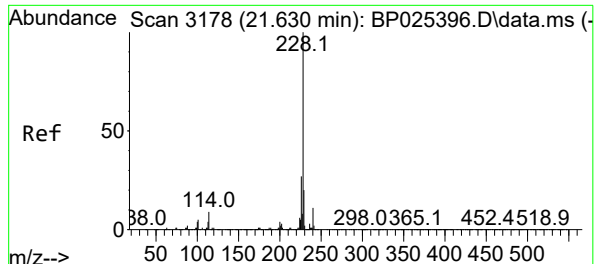
Ion Ratio Lower Upper

149 100

91 67.7 54.2 81.2

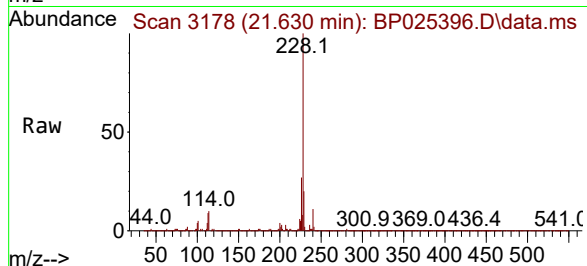
206 20.7 16.6 24.8





#81
Benzo(a)anthracene
Concen: 38.460 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

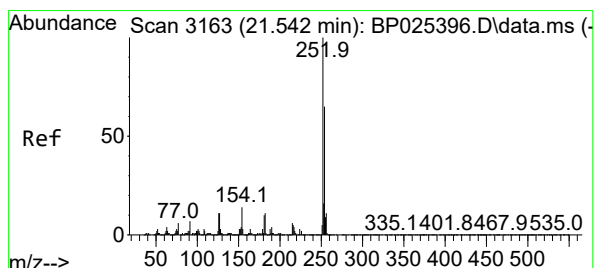
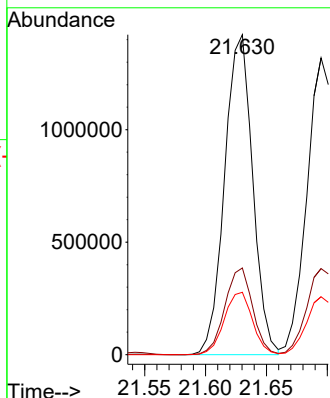
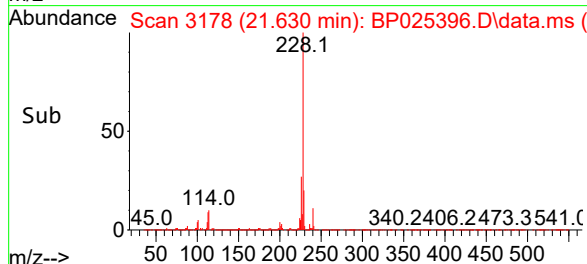
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



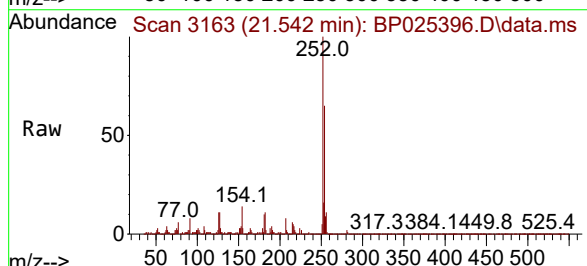
Tgt Ion: 228 Resp: 2280774
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.5 15.6 23.4

Manual Integrations
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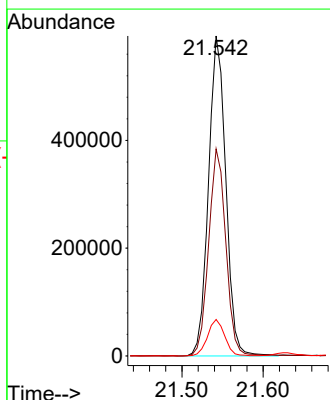
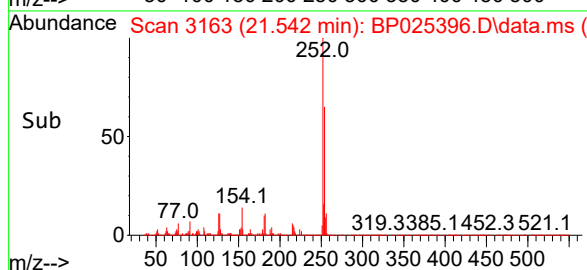
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

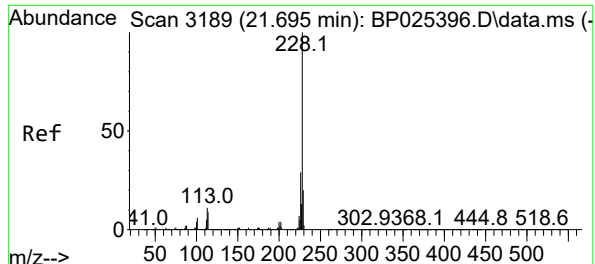


#82
3,3'-Dichlorobenzidine
Concen: 39.266 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



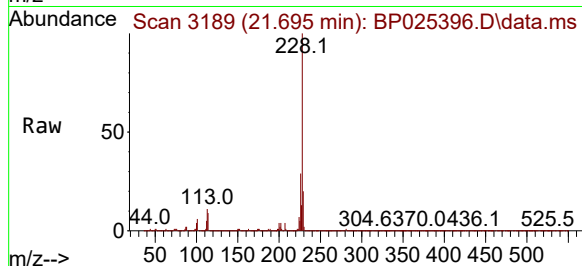
Tgt Ion: 252 Resp: 877708
Ion Ratio Lower Upper
252 100
254 64.7 51.8 77.6
126 11.4 9.1 13.7





#83
Chrysene
Concen: 38.278 ng
RT: 21.695 min Scan# 3189
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

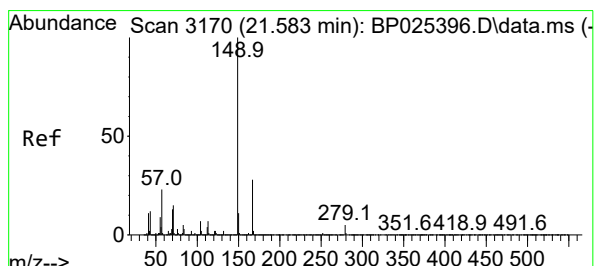
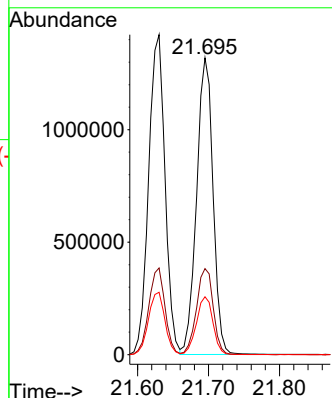
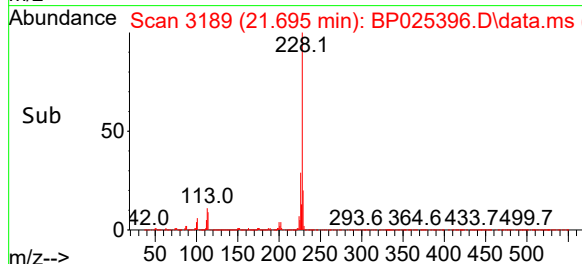
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



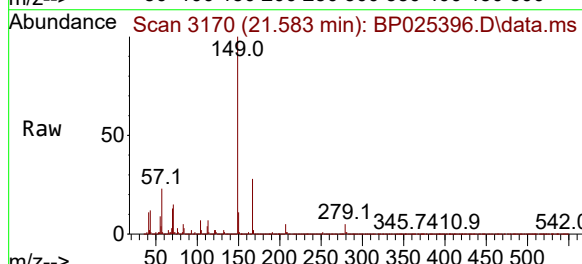
Tgt Ion:228 Resp: 2125860
Ion Ratio Lower Upper
228 100
226 29.0 23.2 34.8
229 19.5 15.6 23.4

Manual Integrations
APPROVED

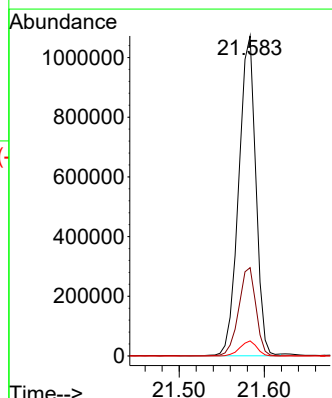
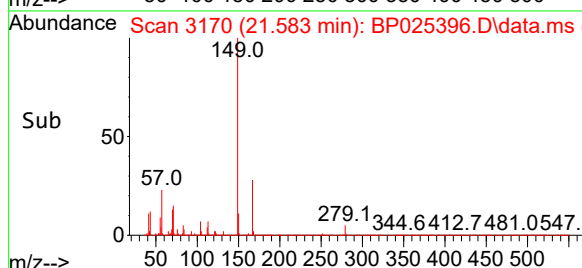
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

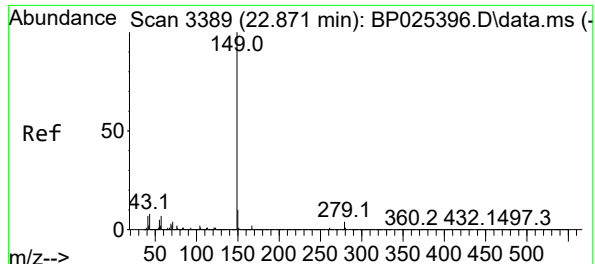


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.310 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19



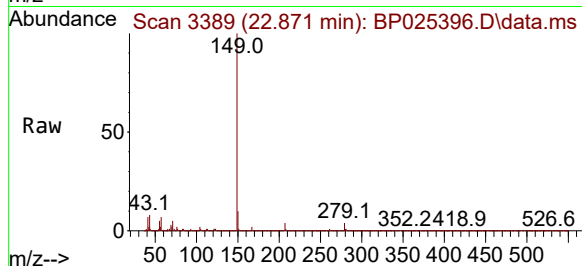
Tgt Ion:149 Resp: 1493804
Ion Ratio Lower Upper
149 100
167 27.6 22.1 33.1
279 4.7 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 38.730 ng
RT: 22.871 min Scan# 3389
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

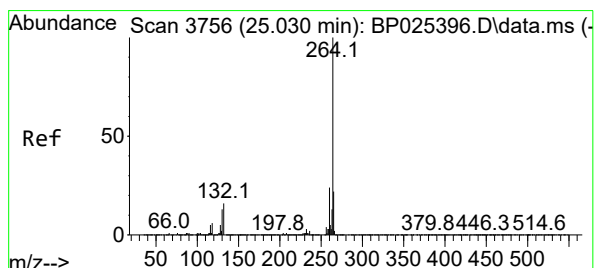
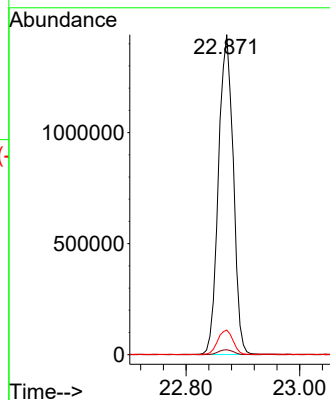
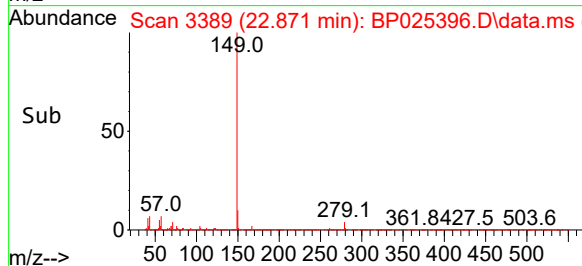
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 2597558
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.3 9.5

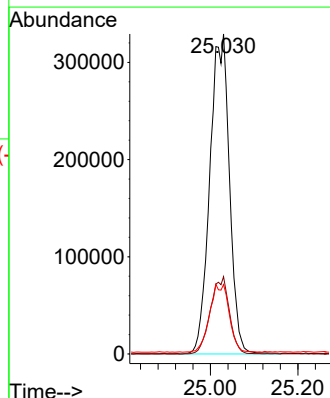
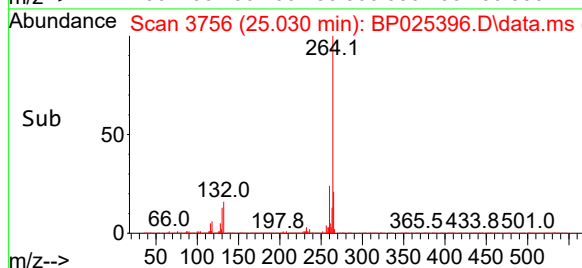
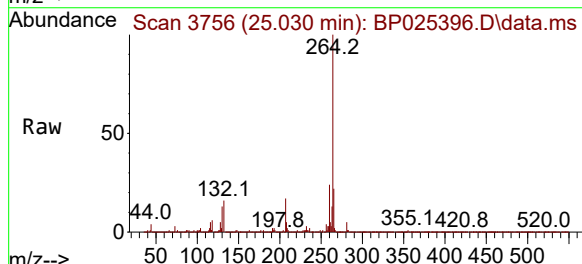
Manual Integrations
APPROVED

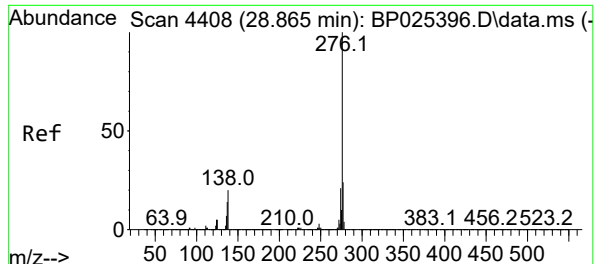
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

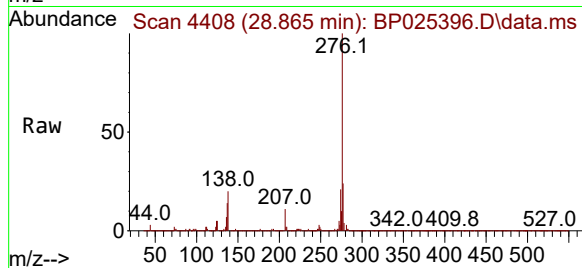
Tgt Ion:264 Resp: 1022138
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.7 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.470 ng m
RT: 28.865 min Scan# 4408
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

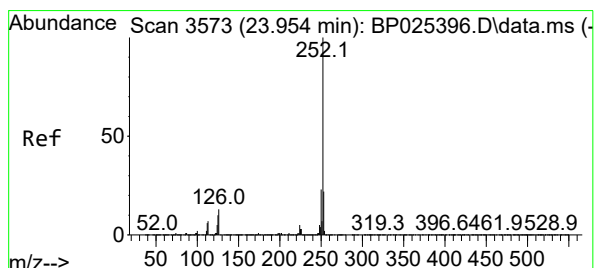
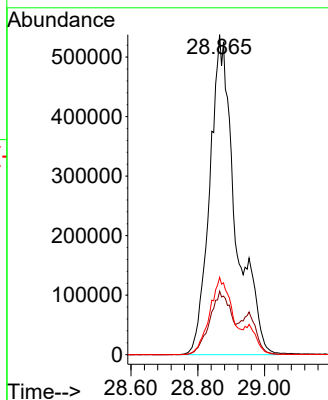
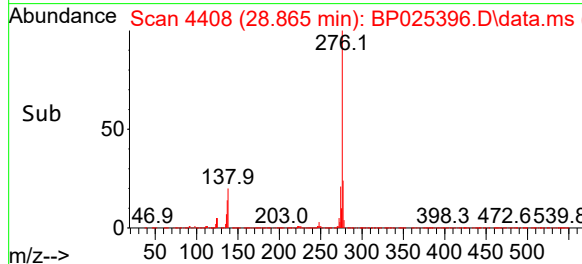
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



Tgt Ion: 276 Resp: 288471
Ion Ratio Lower Upper
276 100
138 16.1 12.9 19.3
277 21.3 17.0 25.6

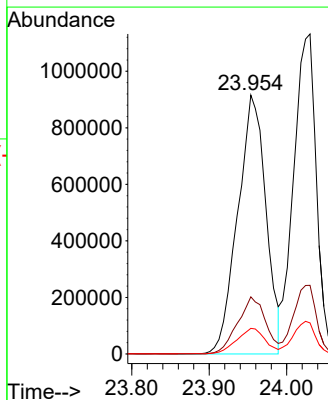
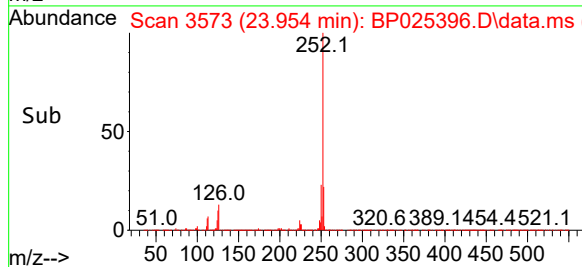
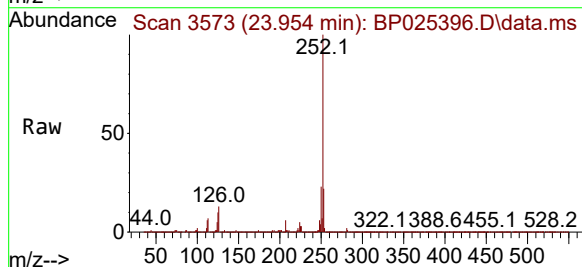
Manual Integrations
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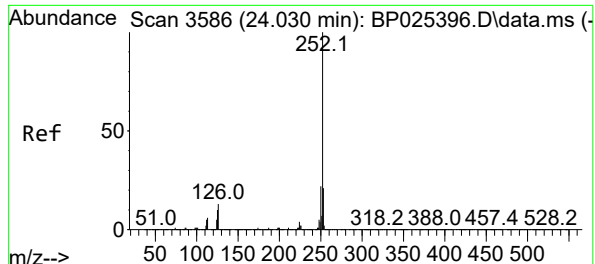
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#88
Benzo(b)fluoranthene
Concen: 38.462 ng
RT: 23.954 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 252 Resp: 2318198
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 9.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 38.285 ng

RT: 24.030 min Scan# 3586

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 230909

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

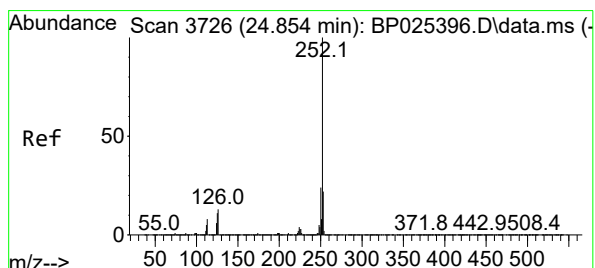
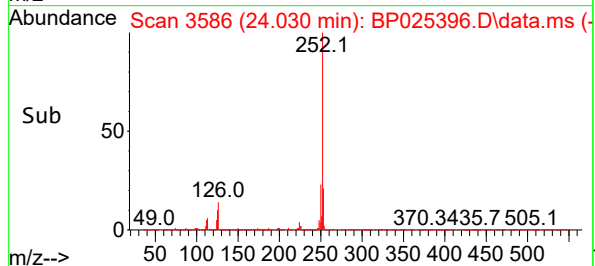
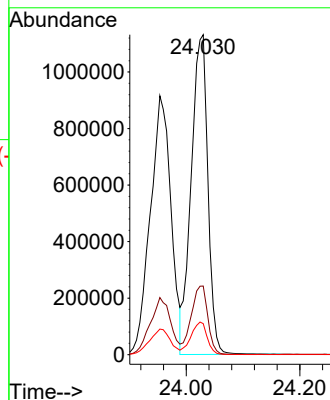
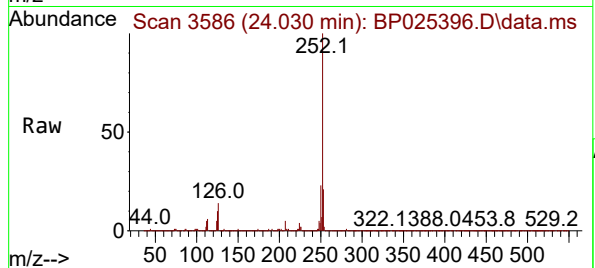
125 9.7 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 38.620 ng

RT: 24.854 min Scan# 3726

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

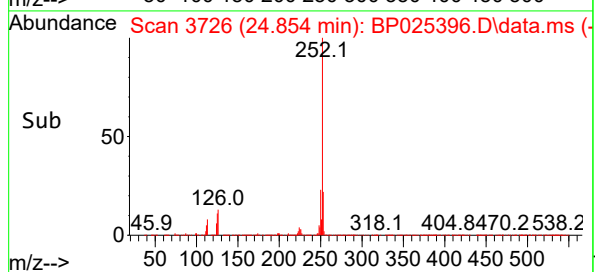
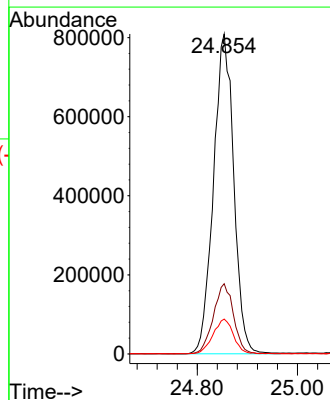
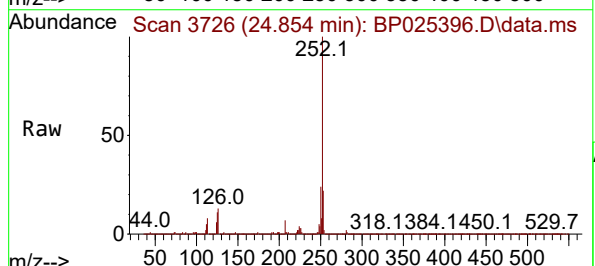
Tgt Ion:252 Resp: 2265862

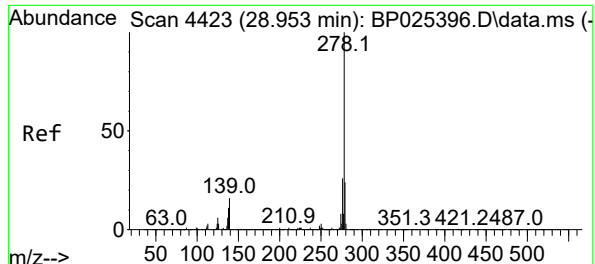
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

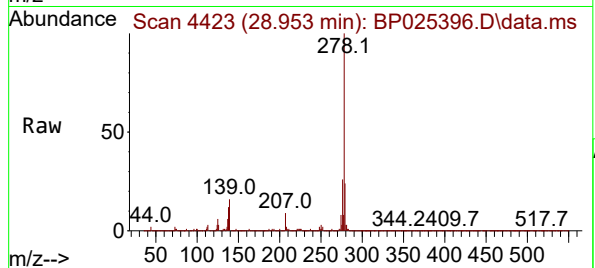
125 10.9 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 38.589 ng
RT: 28.953 min Scan# 4423
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

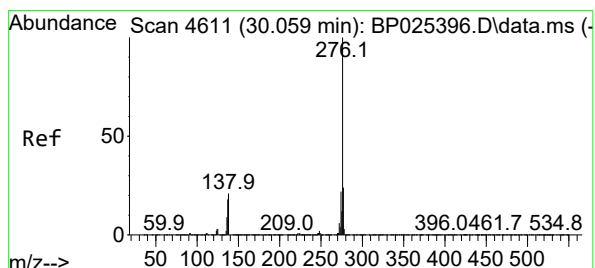
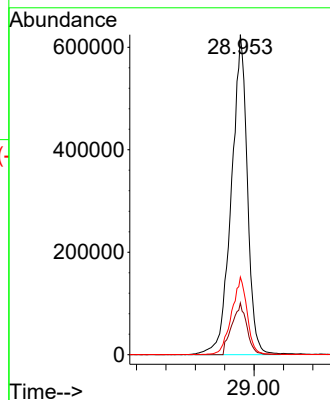
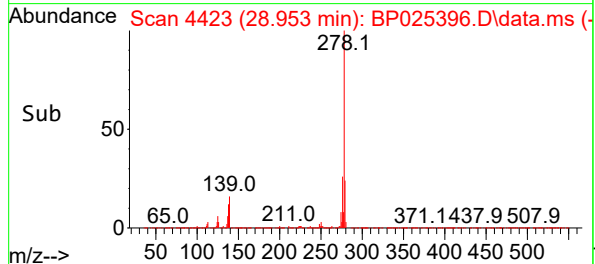
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion: 278 Resp: 2363840
Ion Ratio Lower Upper
278 100
139 16.2 13.0 19.4
279 24.3 19.4 29.2

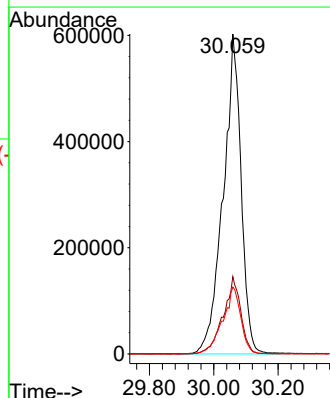
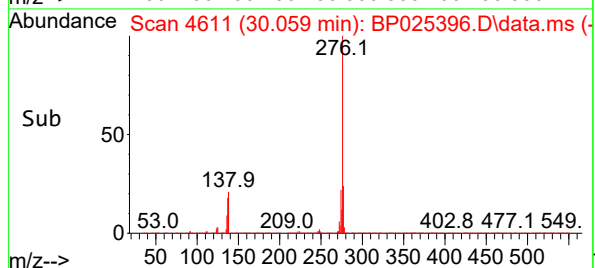
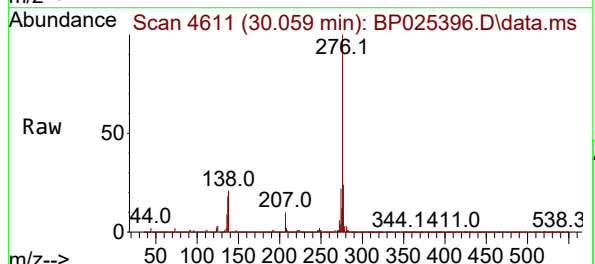
Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 38.654 ng
RT: 30.059 min Scan# 4611
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 276 Resp: 2327292
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 20.9 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:57:10 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 17:44:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137945	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	573916	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	376731	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	753705	20.000	ng	0.00
76) Chrysene-d12	21.648	240	801742	20.000	ng	0.00
86) Perylene-d12	25.036	264	918939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	855256	102.963	ng	0.00
7) Phenol-d6	6.966	99	1131869	106.283	ng	0.00
23) Nitrobenzene-d5	8.937	82	1201601	105.910	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	539295	106.352	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2856639	103.632	ng	0.00
79) Terphenyl-d14	19.925	244	4409094	100.615	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	165184	50.769	ng	98
3) Pyridine	3.725	79	454022	50.983	ng	97
4) n-Nitrosodimethylamine	3.631	42	192837	52.524	ng	99
6) Aniline	7.125	93	756782	52.743	ng	100
8) 2-Chlorophenol	7.366	128	492570	52.550	ng	99
9) Benzaldehyde	6.943	77	435174	58.325	ng	97
10) Phenol	6.996	94	588764	52.687	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	455697	52.320	ng	99
12) 1,3-Dichlorobenzene	7.684	146	536261	51.884	ng	99
13) 1,4-Dichlorobenzene	7.825	146	550541	52.113	ng	99
14) 1,2-Dichlorobenzene	8.143	146	528750	51.705	ng	99
15) Benzyl Alcohol	8.025	79	443889	52.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	603716	51.742	ng	99
17) 2-Methylphenol	8.225	107	412974	53.211	ng	98
18) Hexachloroethane	8.866	117	202672	52.178	ng	96
19) n-Nitroso-di-n-propyla...	8.590	70	363151	51.419	ng	98
20) 3+4-Methylphenols	8.549	107	565208	52.538	ng	99
22) Acetophenone	8.602	105	750308	52.131	ng	100
24) Nitrobenzene	8.978	77	537647	53.024	ng	98
25) Isophorone	9.502	82	1047736	52.182	ng	99
26) 2-Nitrophenol	9.678	139	282682	54.323	ng	98
27) 2,4-Dimethylphenol	9.737	122	481502	53.806	ng	97
28) bis(2-Chloroethoxy)met...	9.972	93	630027	51.909	ng	99
29) 2,4-Dichlorophenol	10.213	162	475406	53.478	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	507724	52.101	ng	99
31) Naphthalene	10.607	128	1560240	52.305	ng	100
32) Benzoic acid	9.884	122	357706	54.274	ng	96
33) 4-Chloroaniline	10.713	127	705562	53.548	ng	99
34) Hexachlorobutadiene	10.902	225	312163	51.436	ng	98
35) Caprolactam	11.502	113	172663	52.969	ng	94
36) 4-Chloro-3-methylphenol	11.843	107	534583	52.407	ng	100
37) 2-Methylnaphthalene	12.219	142	1003813	51.710	ng	99
38) 1-Methylnaphthalene	12.443	142	1076949	52.167	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	574152	52.769	ng	99
41) Hexachlorocyclopentadiene	12.572	237	364047	55.392	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	396440	53.971	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:57:10 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 17:44:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	430061	53.421	ng	99
46) 1,1'-Biphenyl	13.231	154	1447968	52.922	ng	99
47) 2-Chloronaphthalene	13.272	162	1114922	52.344	ng	99
48) 2-Nitroaniline	13.472	65	338939	54.613	ng	98
49) Acenaphthylene	14.125	152	1875998	53.227	ng	100
50) Dimethylphthalate	13.860	163	1424127	51.622	ng	100
51) 2,6-Dinitrotoluene	13.966	165	312149	53.683	ng	97
52) Acenaphthene	14.472	154	1087721	52.577	ng	98
53) 3-Nitroaniline	14.301	138	362030	55.339	ng	99
54) 2,4-Dinitrophenol	14.507	184	175453	56.503	ng	98
55) Dibenzofuran	14.813	168	1705630	52.147	ng	99
56) 4-Nitrophenol	14.619	139	296227	55.103	ng	98
57) 2,4-Dinitrotoluene	14.766	165	450923	54.354	ng	97
58) Fluorene	15.466	166	1332448	51.627	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.043	232	378743	53.281	ng	99
60) Diethylphthalate	15.243	149	1450033	51.728	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	650101	50.647	ng	99
62) 4-Nitroaniline	15.478	138	364030	54.278	ng	99
63) Azobenzene	15.760	77	1262576	52.602	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	262126	55.792	ng	98
66) n-Nitrosodiphenylamine	15.678	169	1195077	51.997	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	433740	52.325	ng	99
68) Hexachlorobenzene	16.495	284	497906	51.816	ng	97
69) Atrazine	16.654	200	451704	52.479	ng	98
70) Pentachlorophenol	16.842	266	332839	54.872	ng	97
71) Phenanthrene	17.248	178	2139431	51.673	ng	100
72) Anthracene	17.337	178	2214911	52.385	ng	100
73) Carbazole	17.613	167	2093175	52.559	ng	99
74) Di-n-butylphthalate	18.213	149	2589522	52.849	ng	99
75) Fluoranthene	19.325	202	2563702	51.910	ng	99
77) Benzidine	19.513	184	1330198	48.615	ng	99
78) Pyrene	19.701	202	2644850	50.754	ng	100
80) Butylbenzylphthalate	20.660	149	1231376	52.139	ng	98
81) Benzo(a)anthracene	21.630	228	2723006	51.499	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	1043476	52.357	ng	99
83) Chrysene	21.701	228	2565856	51.817	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	1805478	51.933	ng	100
85) Di-n-octyl phthalate	22.877	149	3150824	52.690	ng	100
87) Indeno(1,2,3-cd)pyrene	28.859	276	3604179m	53.463	ng	
88) Benzo(b)fluoranthene	23.960	252	2870971	52.982	ng	100
89) Benzo(k)fluoranthene	24.042	252	2817276	51.956	ng	99
90) Benzo(a)pyrene	24.877	252	2800880	53.100	ng	99
91) Dibenzo(a,h)anthracene	28.965	278	2962622	53.795	ng	98
92) Benzo(g,h,i)perylene	30.053	276	2866689m	52.960	ng	

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

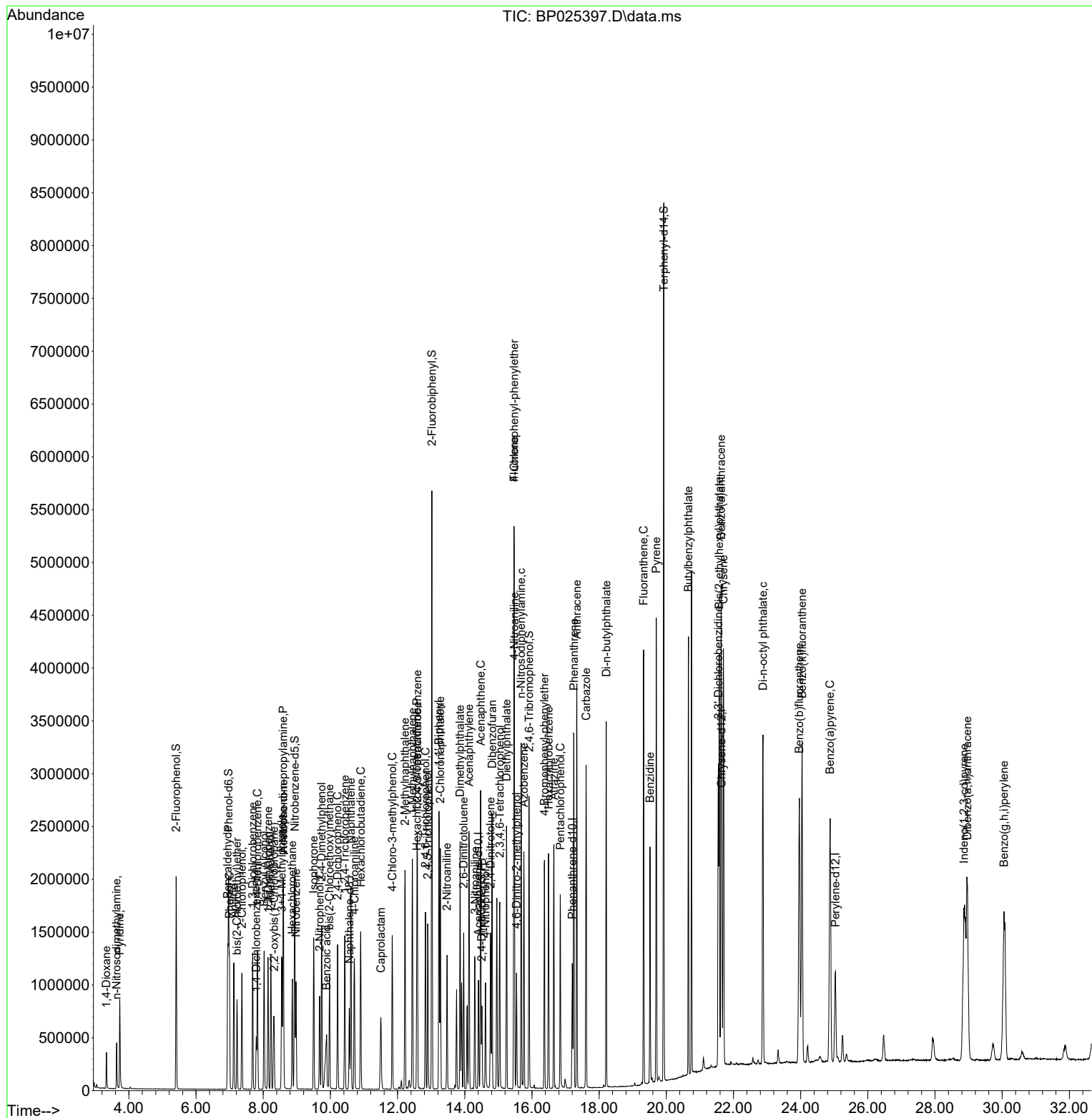
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Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

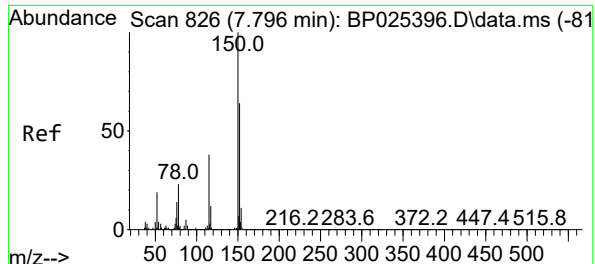
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BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:57:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration





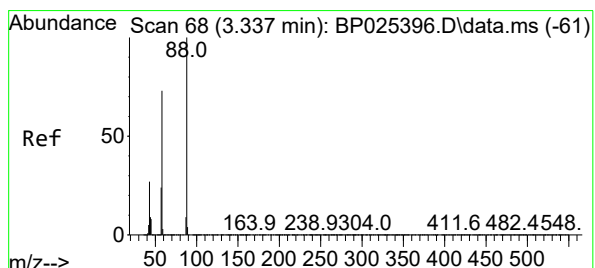
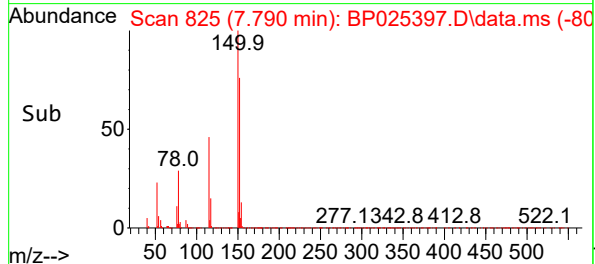
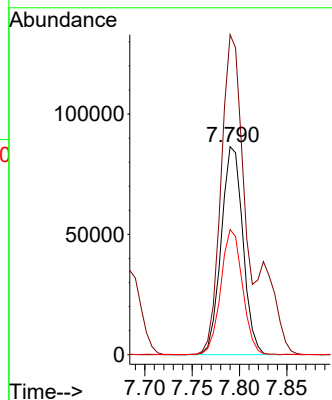
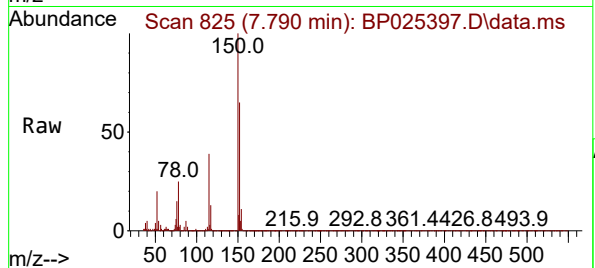
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 152 Resp: 13794
Ion Ratio Lower Upper
152 100
150 153.9 125.9 188.9
115 60.2 48.5 72.7

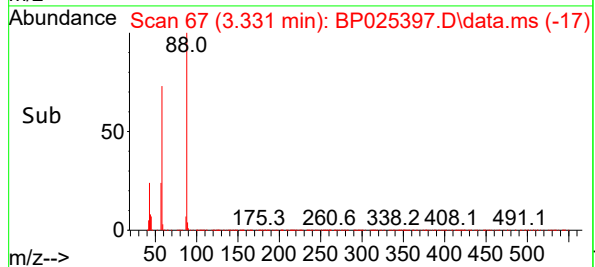
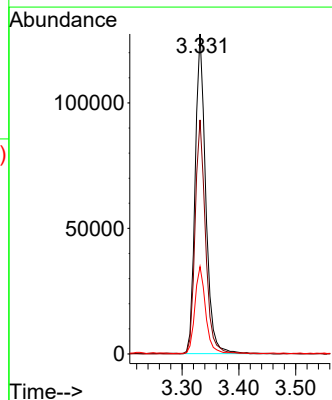
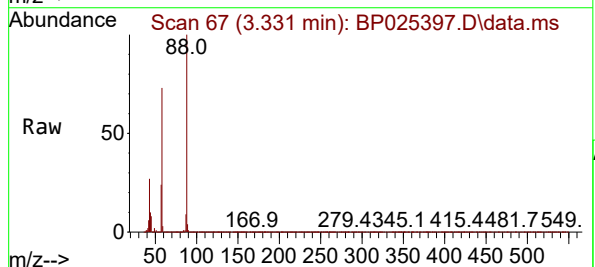
Manual Integrations
APPROVED

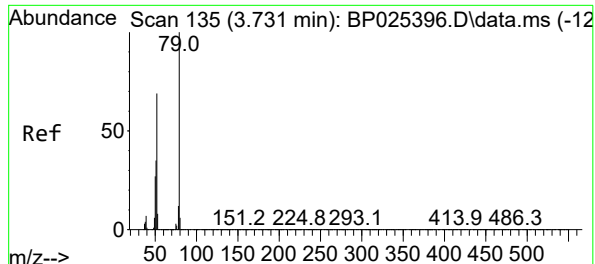
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 50.769 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

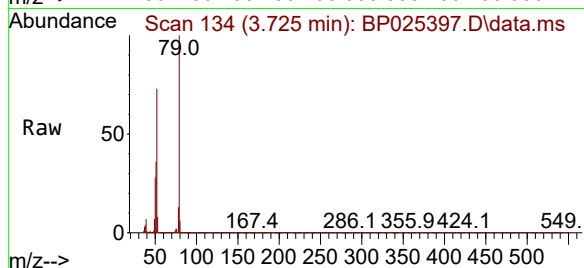
Tgt Ion: 88 Resp: 165184
Ion Ratio Lower Upper
88 100
58 72.6 59.2 88.8
43 27.8 21.7 32.5





#3
Pyridine
Concen: 50.983 ng
RT: 3.725 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

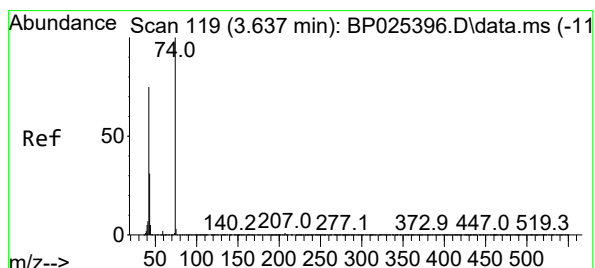
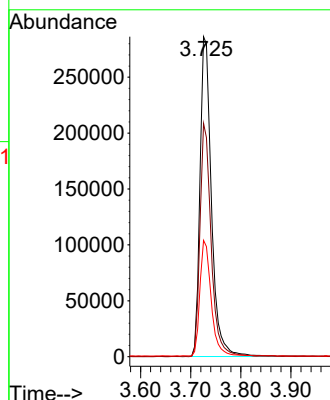
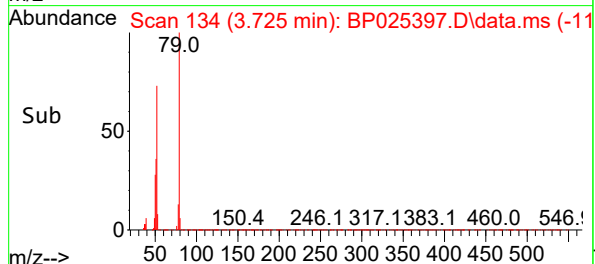
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 45402
Ion Ratio Lower Upper
79 100
52 72.9 55.5 83.3
51 36.3 28.3 42.5

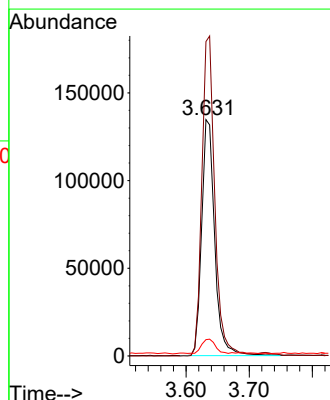
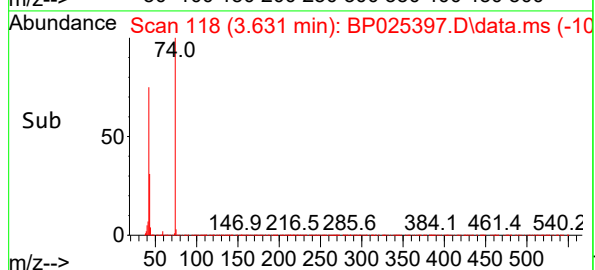
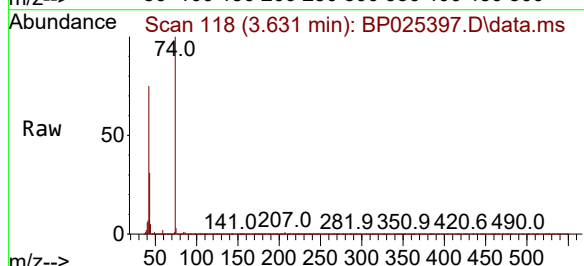
Manual Integrations
APPROVED

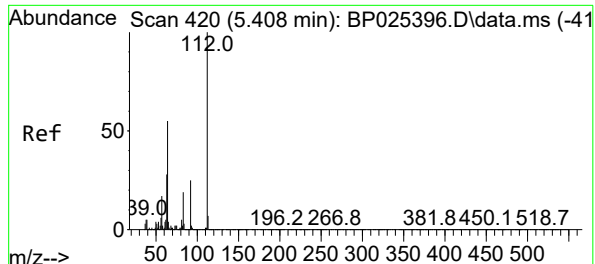
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#4
n-Nitrosodimethylamine
Concen: 52.524 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

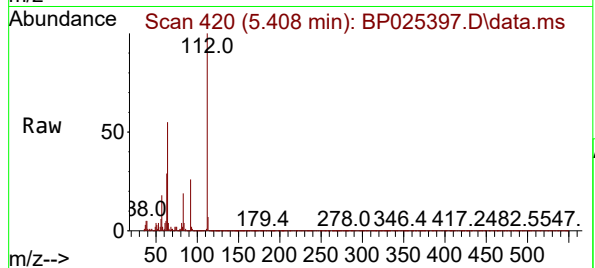
Tgt Ion: 42 Resp: 192837
Ion Ratio Lower Upper
42 100
74 133.0 107.0 160.4
44 6.9 6.2 9.4





#5
2-Fluorophenol
Concen: 102.963 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

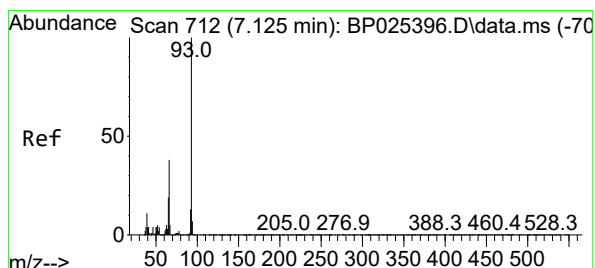
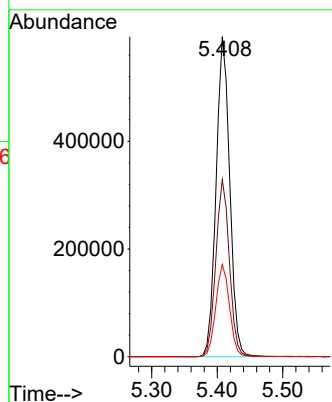
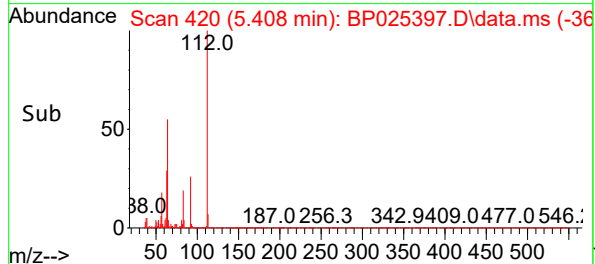
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:112 Resp: 855250
Ion Ratio Lower Upper
112 100
64 55.4 43.8 65.8
63 28.8 22.7 34.1

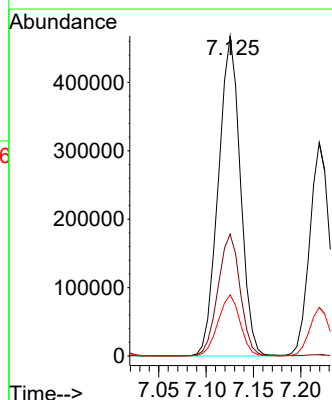
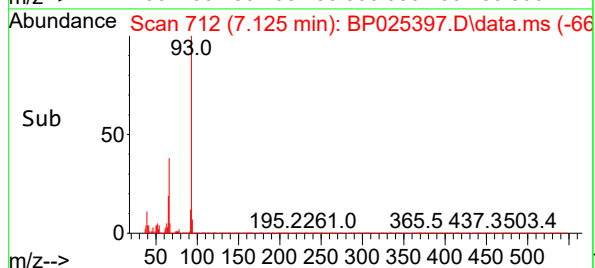
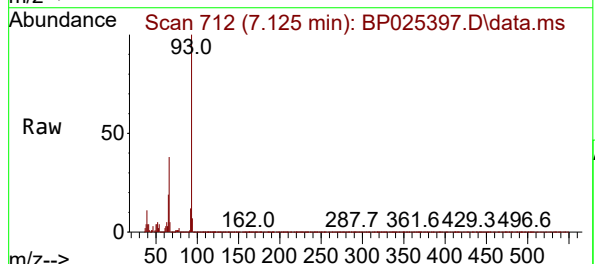
Manual Integrations
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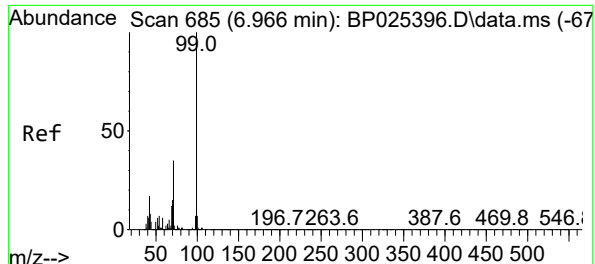
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 52.743 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 756782
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 19.1 15.3 22.9





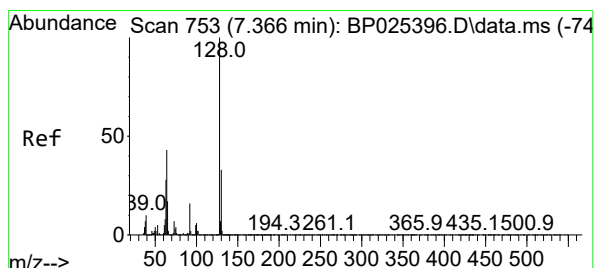
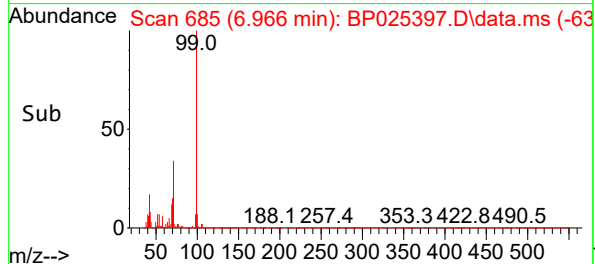
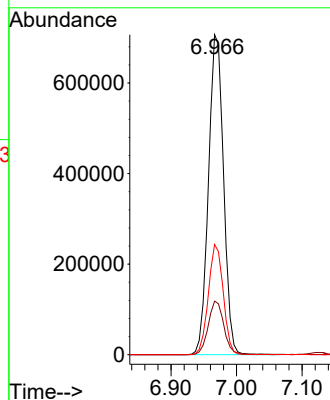
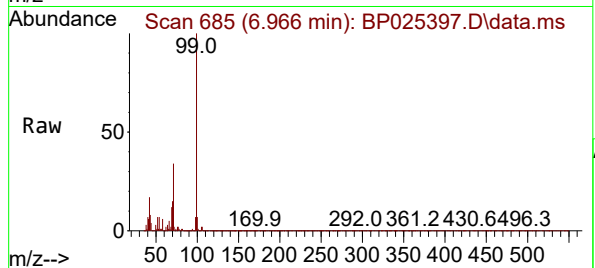
#7
Phenol-d6
Concen: 106.283 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1131869
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 34.4 28.2 42.4

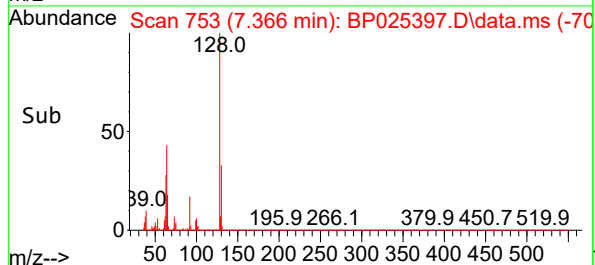
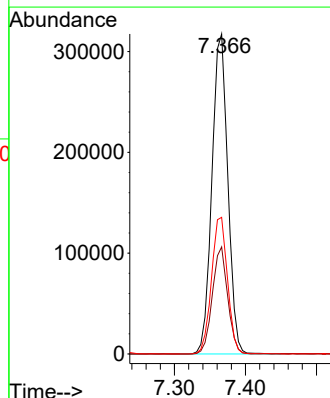
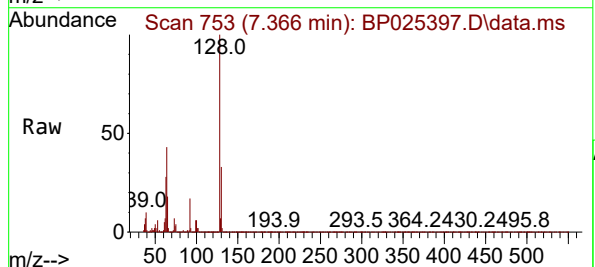
Manual Integrations
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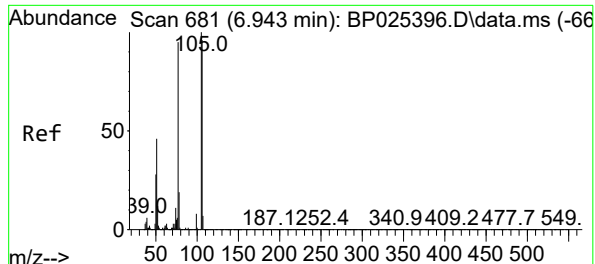
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#8
2-Chlorophenol
Concen: 52.550 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

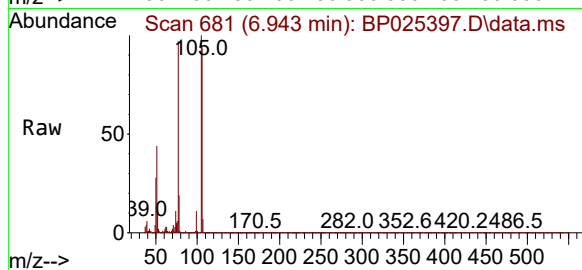
Tgt Ion:128 Resp: 492570
Ion Ratio Lower Upper
128 100
130 33.4 12.6 52.6
64 42.7 23.4 63.4





#9
Benzaldehyde
Concen: 58.325 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

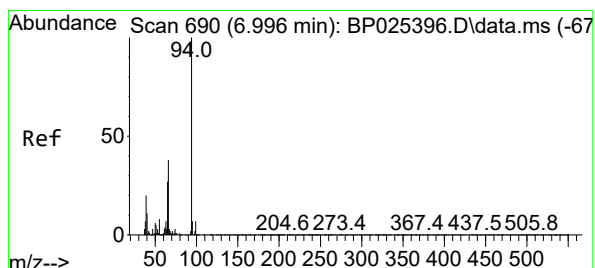
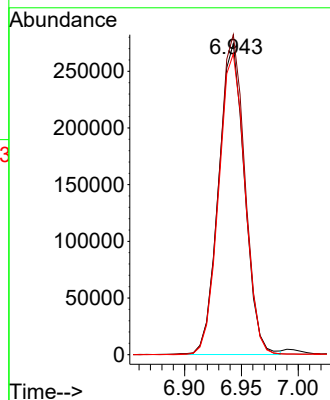
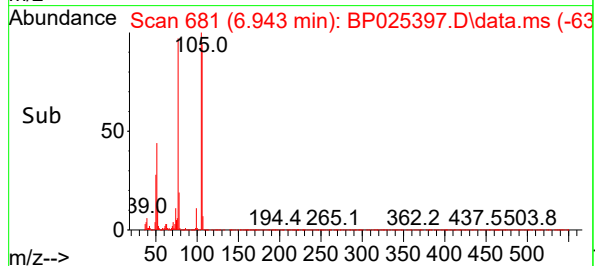
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 435174
Ion Ratio Lower Upper
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105 102.9 84.8 124.8
106 96.7 80.5 120.5

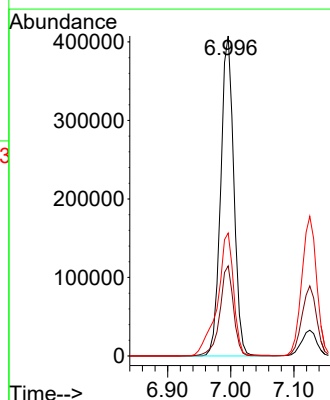
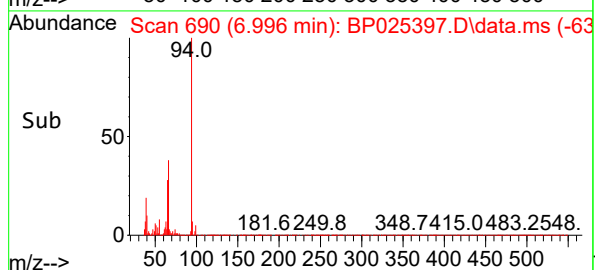
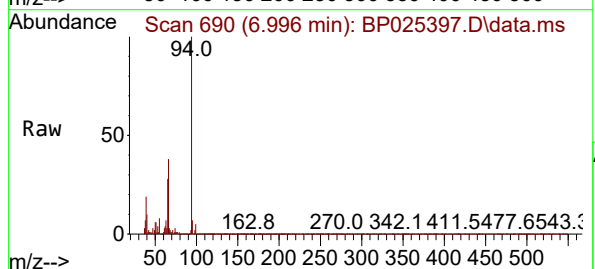
Manual Integrations
APPROVED

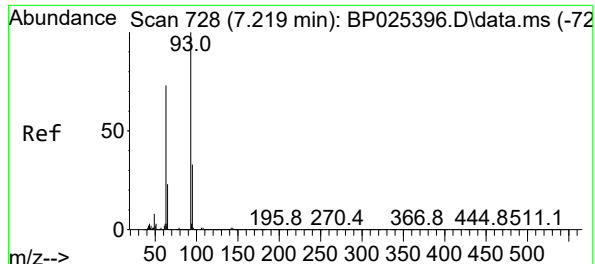
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#10
Phenol
Concen: 52.687 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 94 Resp: 588764
Ion Ratio Lower Upper
94 100
65 28.1 6.8 46.8
66 38.4 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 52.320 ng

RT: 7.219 min Scan# 728

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion: 93 Resp: 45569

Ion Ratio Lower Upper

93 100

63 73.4 52.6 92.6

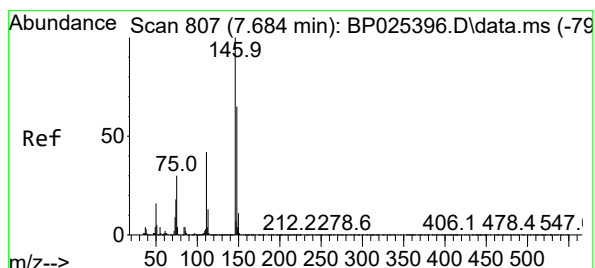
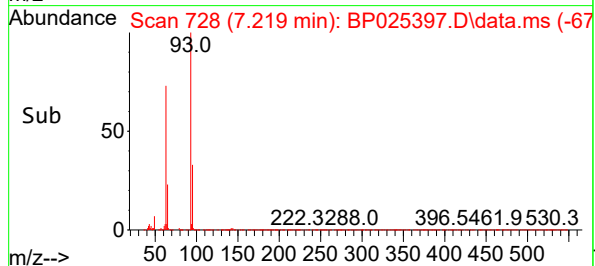
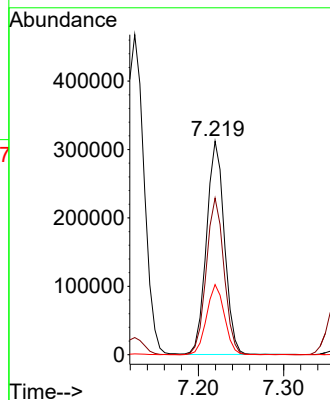
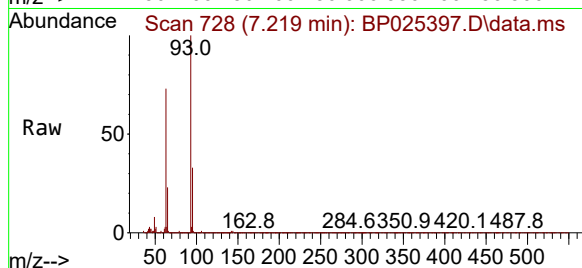
95 32.9 12.7 52.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#12

1,3-Dichlorobenzene

Concen: 51.884 ng

RT: 7.684 min Scan# 807

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

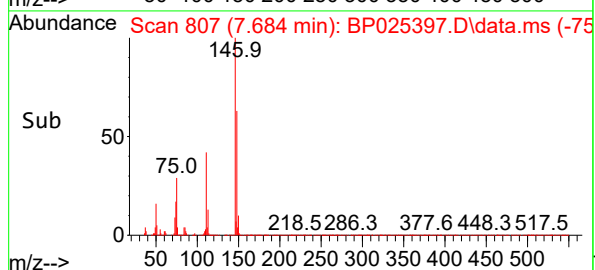
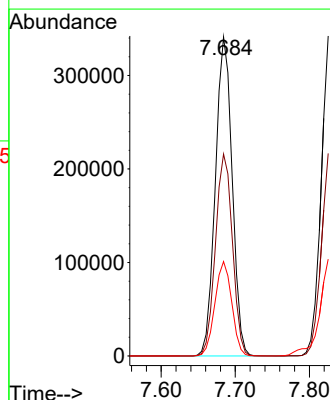
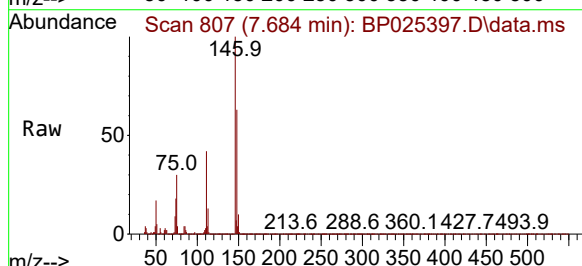
Tgt Ion:146 Resp: 536261

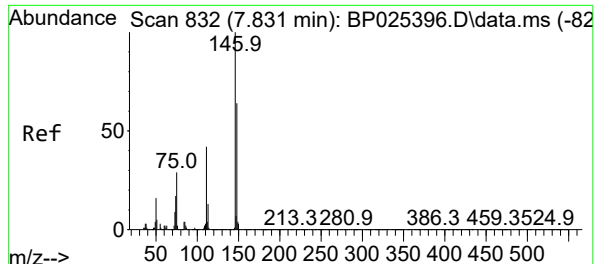
Ion Ratio Lower Upper

146 100

148 63.3 51.9 77.9

75 29.6 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 52.113 ng

RT: 7.825 min Scan# 831

Delta R.T. -0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 55054

Ion Ratio Lower Upper

146 100

148 63.3 51.6 77.4

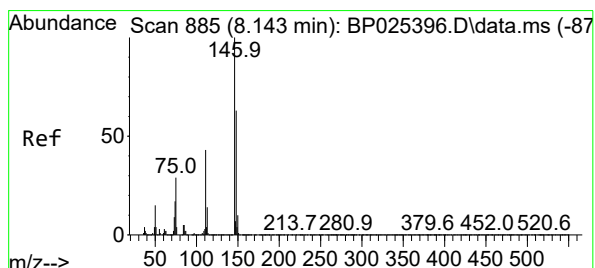
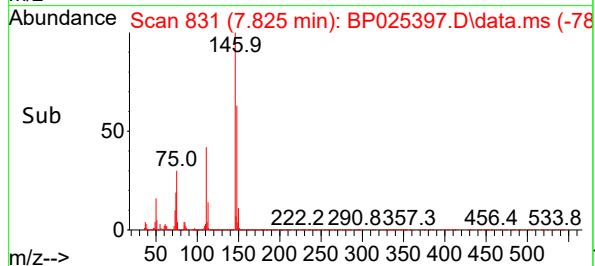
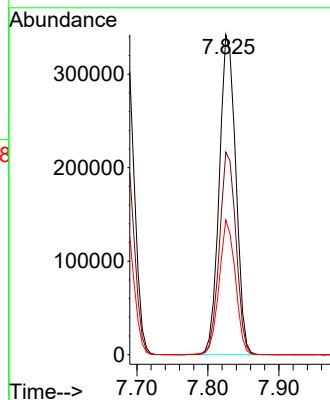
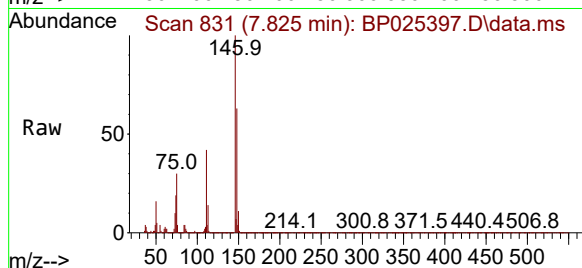
111 42.2 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#14

1,2-Dichlorobenzene

Concen: 51.705 ng

RT: 8.143 min Scan# 885

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

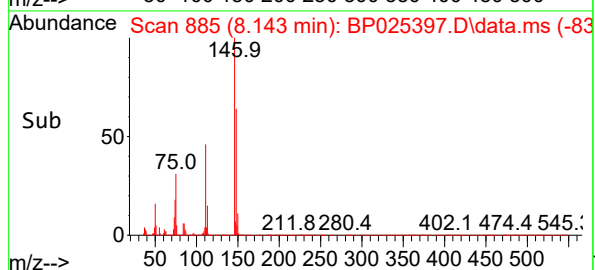
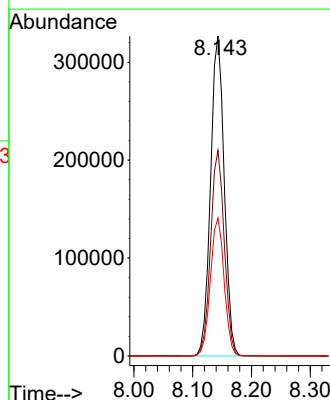
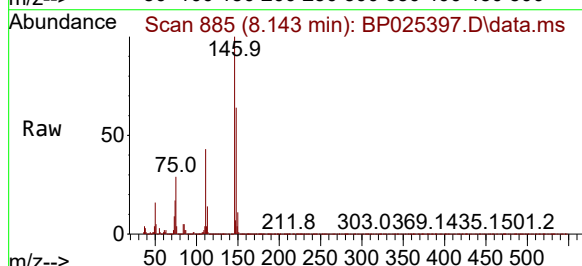
Tgt Ion:146 Resp: 528750

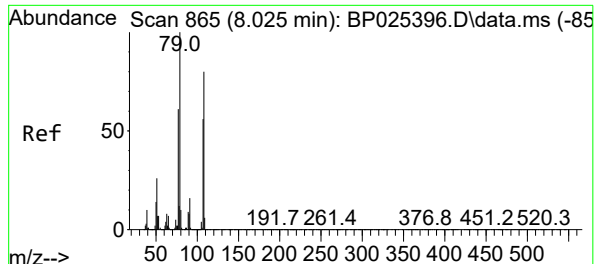
Ion Ratio Lower Upper

146 100

148 64.3 50.4 75.6

111 43.1 34.5 51.7





#15

Benzyl Alcohol

Concen: 52.458 ng

RT: 8.025 min Scan# 80

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 443889

Ion Ratio Lower Upper

79 100

108 77.9 63.8 95.6

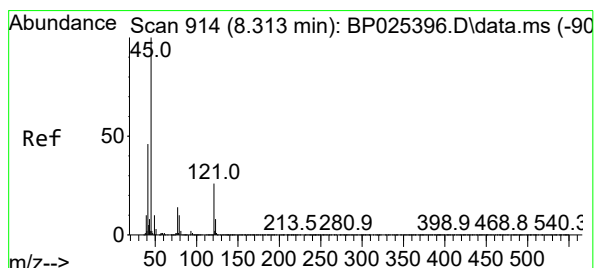
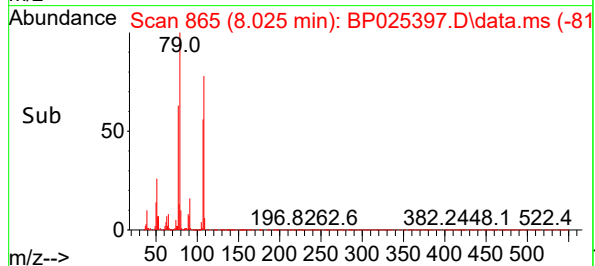
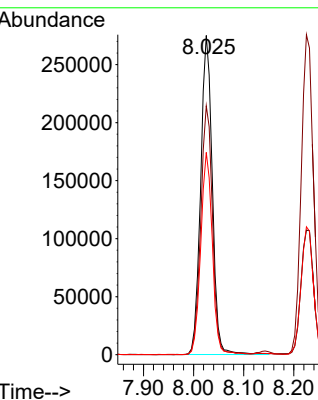
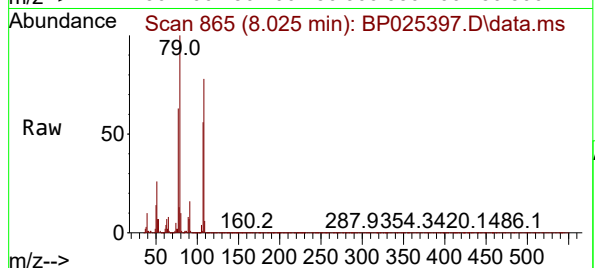
77 63.4 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.742 ng

RT: 8.319 min Scan# 915

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

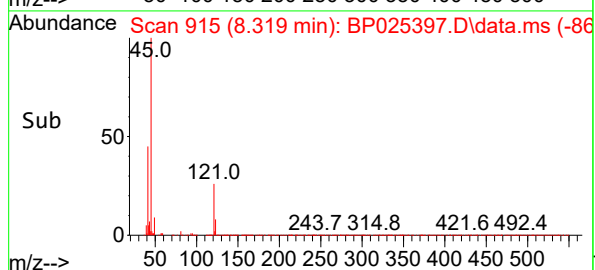
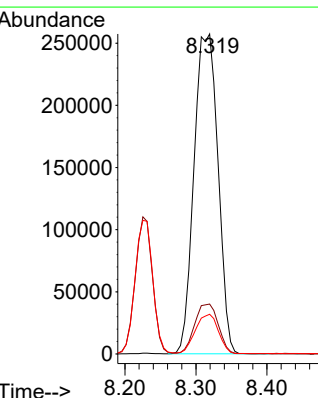
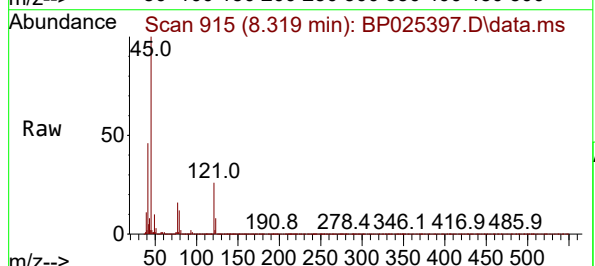
Tgt Ion: 45 Resp: 603716

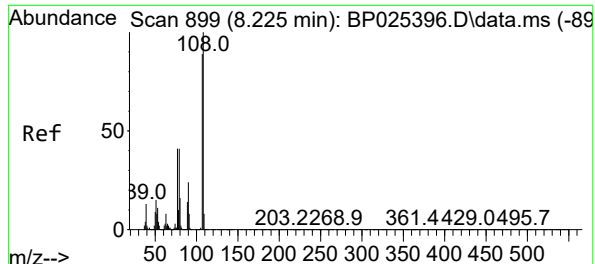
Ion Ratio Lower Upper

45 100

77 15.6 0.0 35.3

79 12.4 0.0 31.8





#17

2-Methylphenol

Concen: 53.211 ng

RT: 8.225 min Scan# 899

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:107 Resp: 412974

Ion Ratio Lower Upper

107 100

108 113.8 89.4 134.0

77 45.5 36.3 54.5

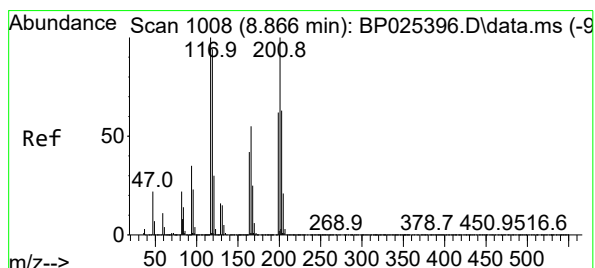
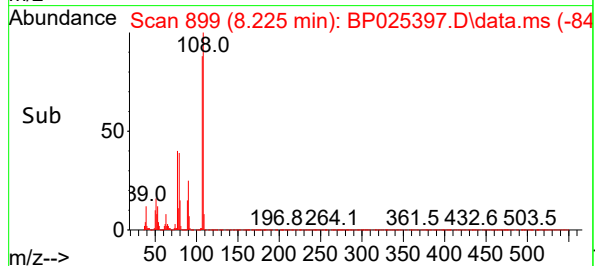
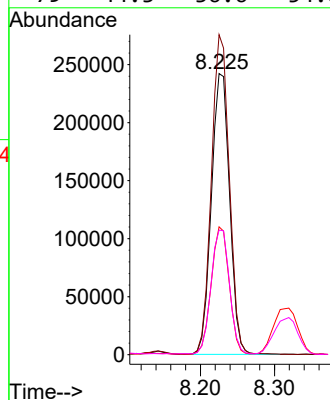
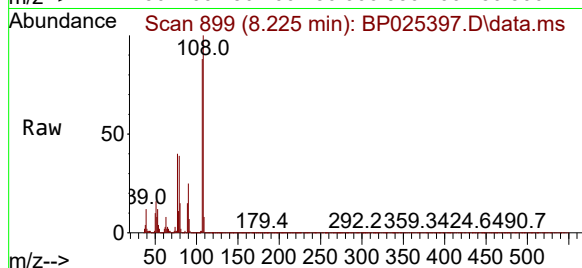
79 44.3 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#18

Hexachloroethane

Concen: 52.178 ng

RT: 8.866 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

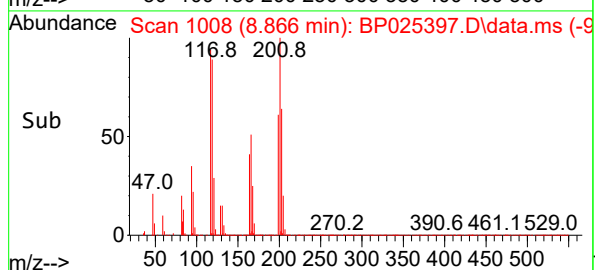
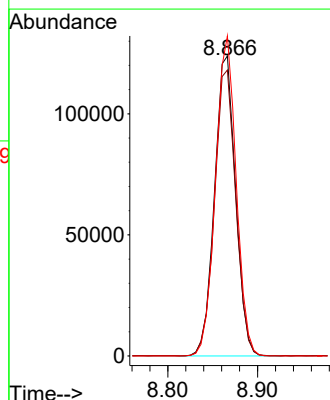
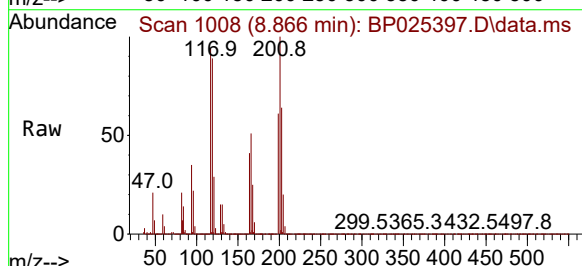
Tgt Ion:117 Resp: 202672

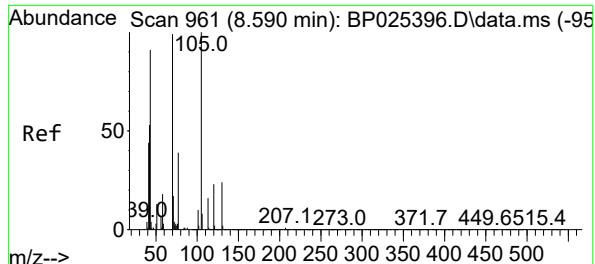
Ion Ratio Lower Upper

117 100

119 95.4 75.1 112.7

201 106.7 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 51.419 ng

RT: 8.590 min Scan# 961

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 36315

Ion Ratio Lower Upper

70 100

42 56.4 43.8 65.6

101 10.6 8.5 12.7

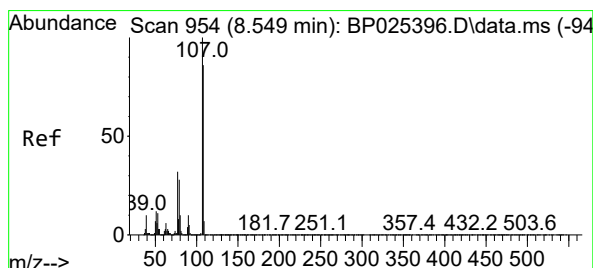
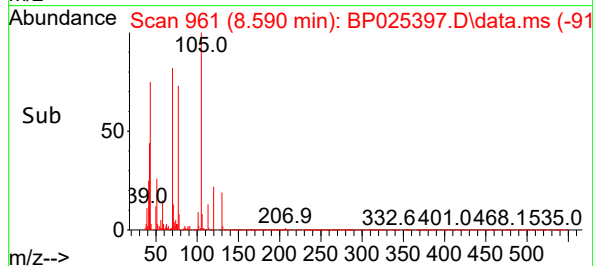
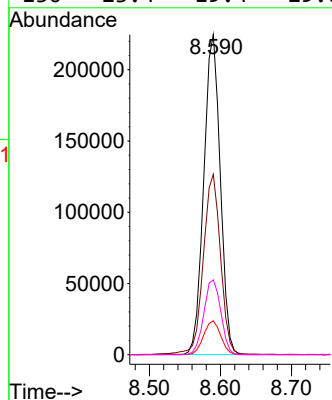
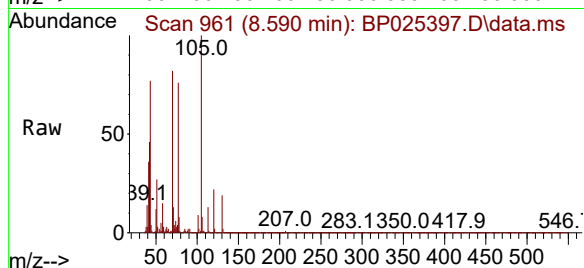
130 23.4 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#20

3+4-Methylphenols

Concen: 52.538 ng

RT: 8.549 min Scan# 954

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 565208

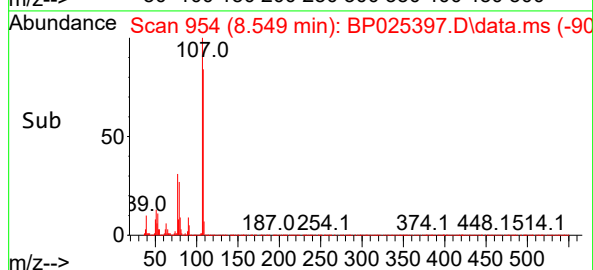
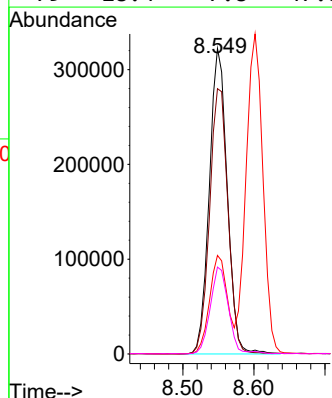
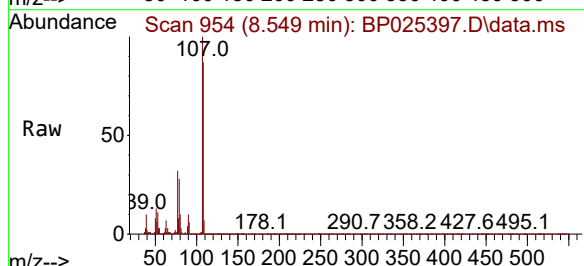
Ion Ratio Lower Upper

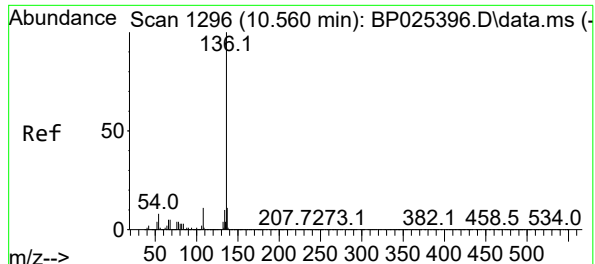
107 100

108 86.8 66.3 106.3

77 32.2 12.3 52.3

79 28.4 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.560 min Scan# 1296

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

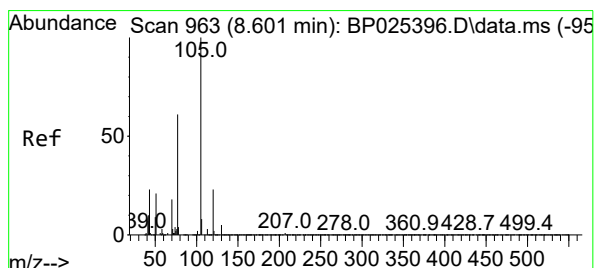
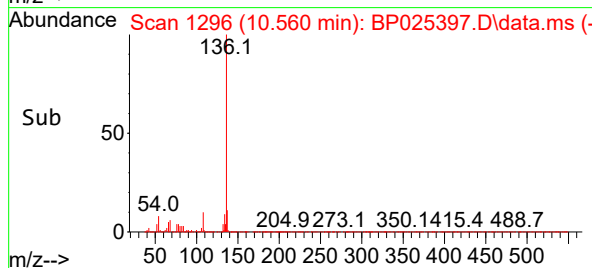
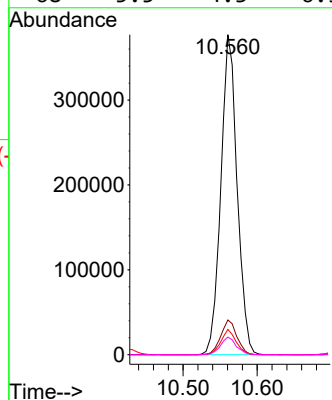
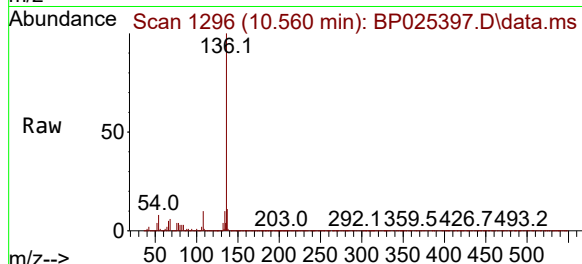
SSTDICC050

Tgt Ion:	136	Resp:	573910
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.9	6.0	9.0
68	5.5	4.3	6.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#22

Acetophenone

Concen: 52.131 ng

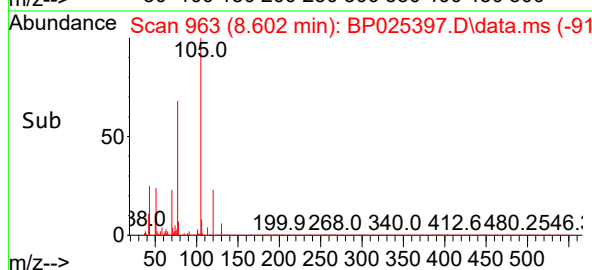
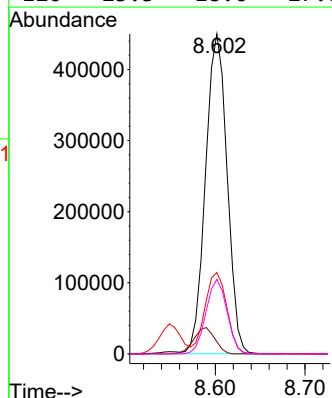
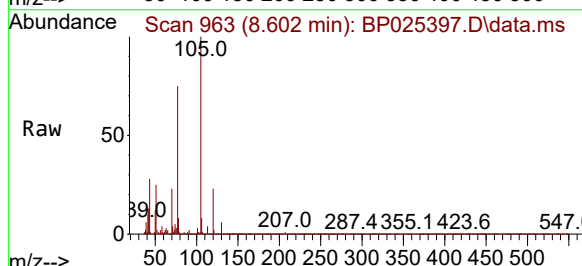
RT: 8.602 min Scan# 963

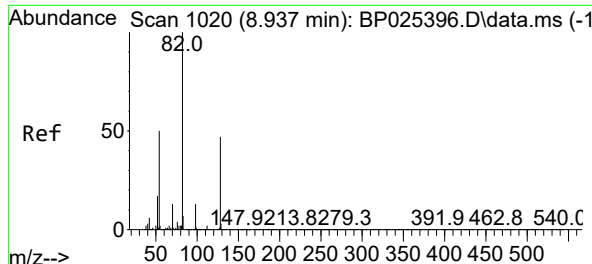
Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Tgt Ion:	105	Resp:	750308
Ion	Ratio	Lower	Upper
105	100		
71	3.9	2.6	4.0
51	25.5	20.6	30.8
120	23.3	18.6	27.8





#23

Nitrobenzene-d5

Concen: 105.910 ng

RT: 8.937 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 120160

Ion Ratio Lower Upper

82 100

128 46.2 37.7 56.5

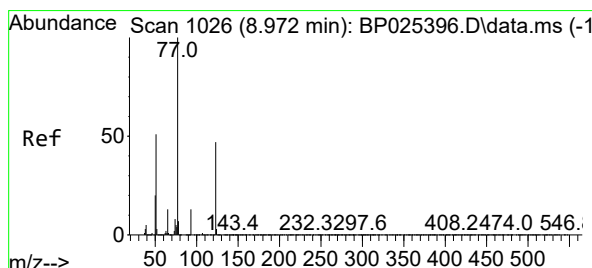
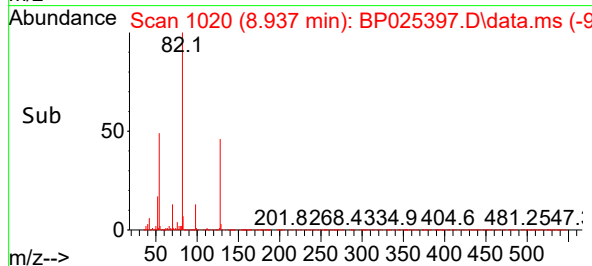
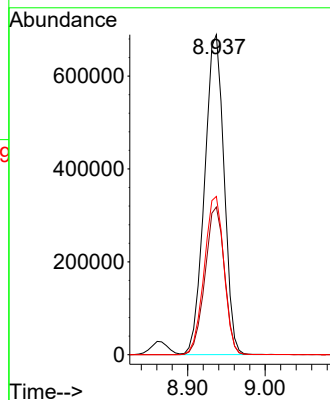
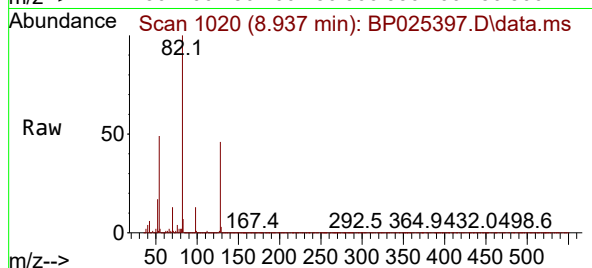
54 49.4 39.8 59.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#24

Nitrobenzene

Concen: 53.024 ng

RT: 8.978 min Scan# 1027

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

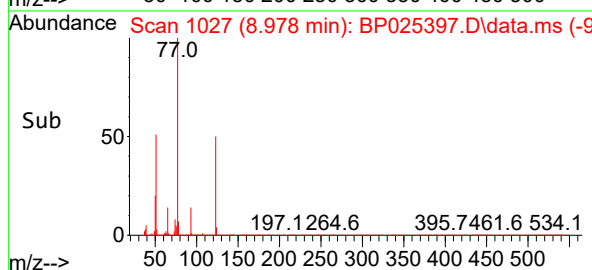
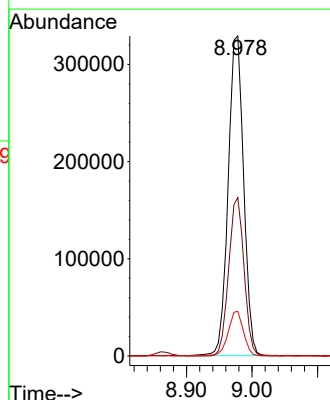
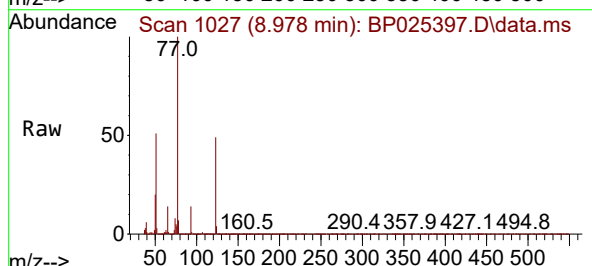
Tgt Ion: 77 Resp: 537647

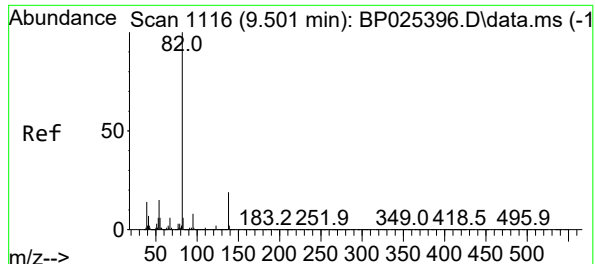
Ion Ratio Lower Upper

77 100

123 49.5 38.6 58.0

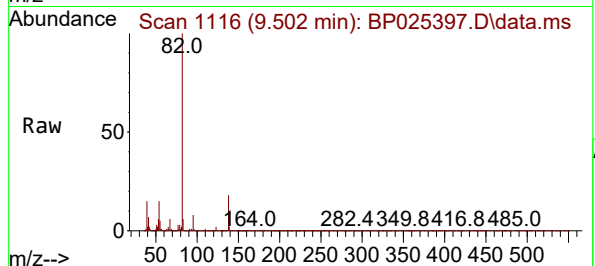
65 13.9 10.6 15.8





#25
Isophorone
Concen: 52.182 ng
RT: 9.502 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

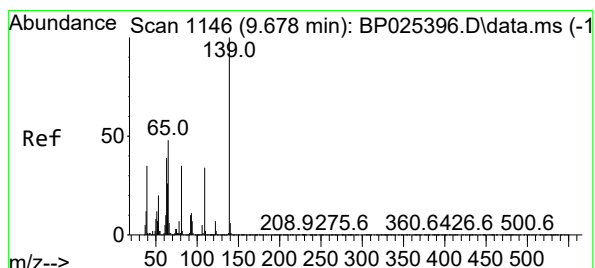
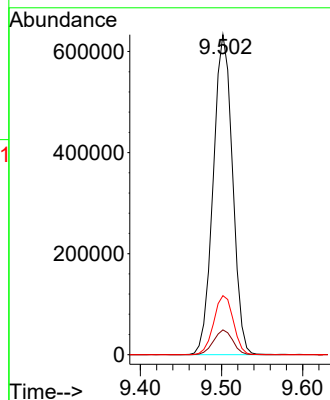
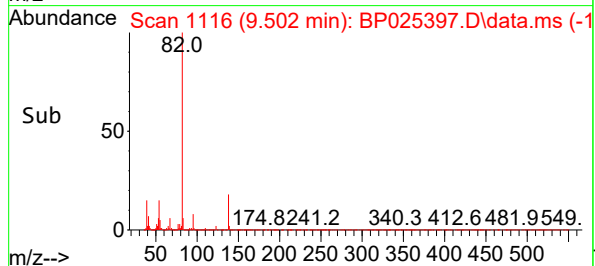
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



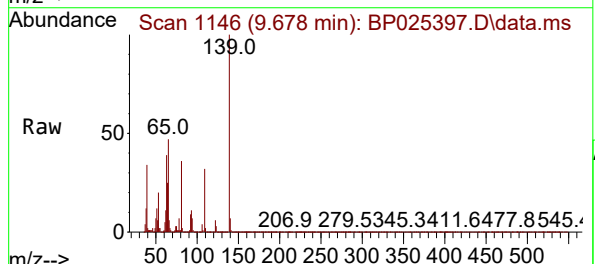
Tgt Ion: 82 Resp: 1047730
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 18.5 15.4 23.0

Manual Integrations
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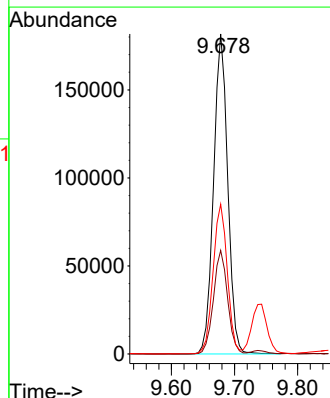
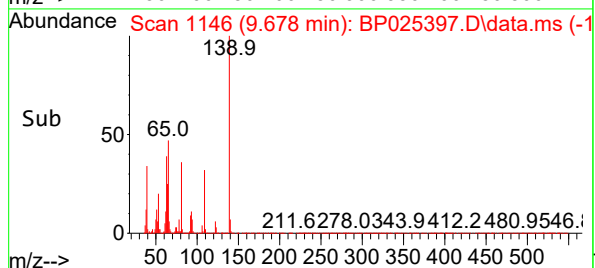
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

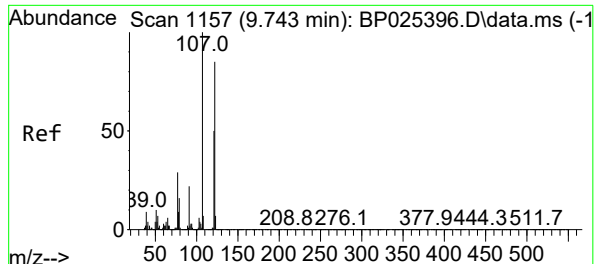


#26
2-Nitrophenol
Concen: 54.323 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion:139 Resp: 282682
Ion Ratio Lower Upper
139 100
109 32.3 26.9 40.3
65 46.8 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 53.806 ng

RT: 9.737 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:122 Resp: 48150

Ion Ratio Lower Upper

122 100

107 120.8 93.7 140.5

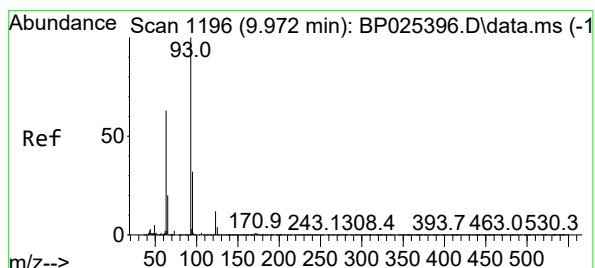
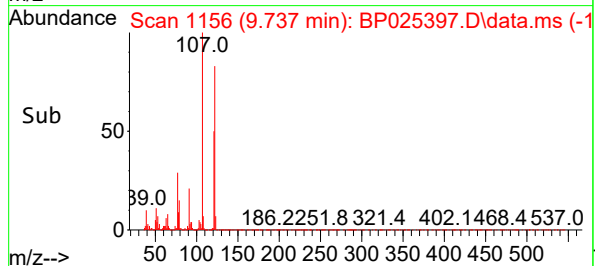
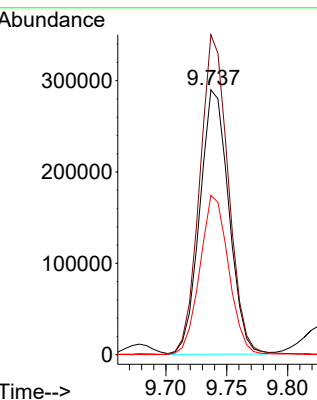
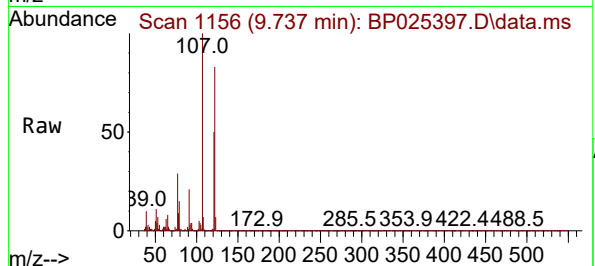
121 60.2 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 51.909 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

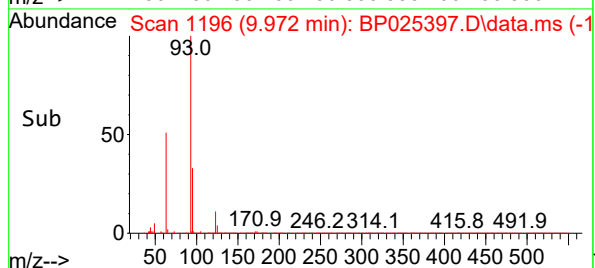
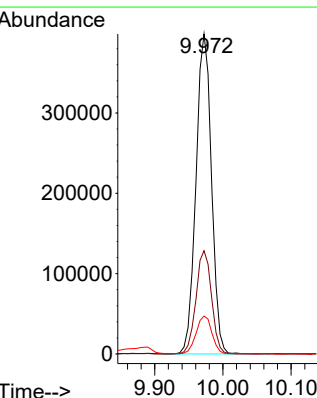
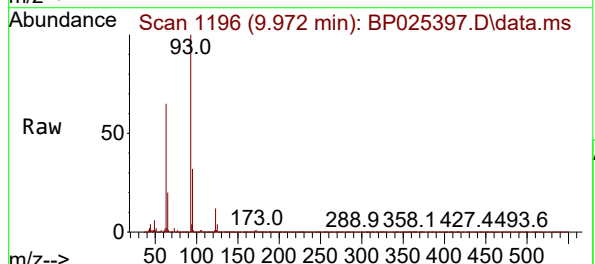
Tgt Ion: 93 Resp: 630027

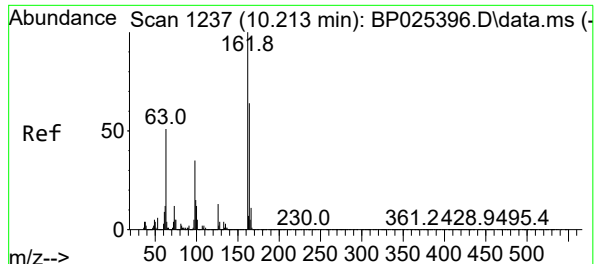
Ion Ratio Lower Upper

93 100

95 32.2 25.4 38.0

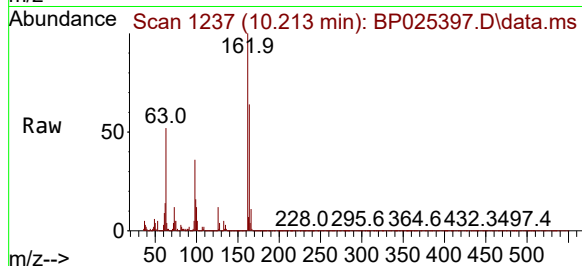
123 11.8 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 53.478 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

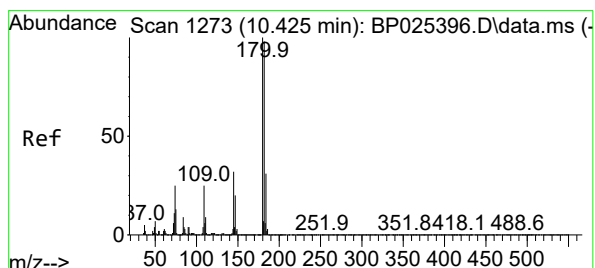
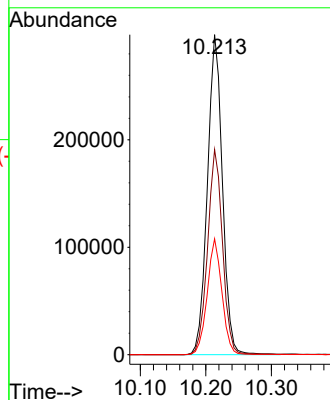
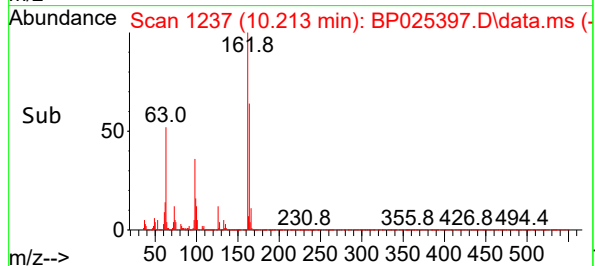
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



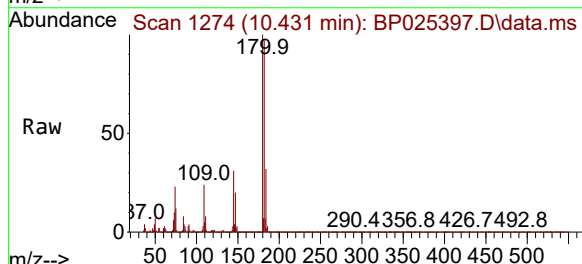
Tgt Ion:162 Resp: 475400
Ion Ratio Lower Upper
162 100
164 64.1 44.4 84.4
98 36.2 14.9 54.9

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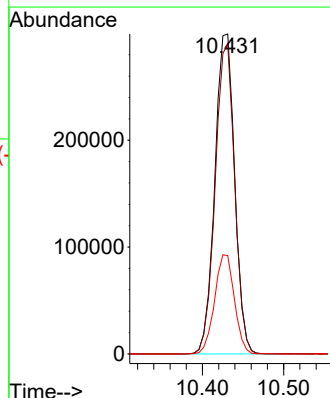
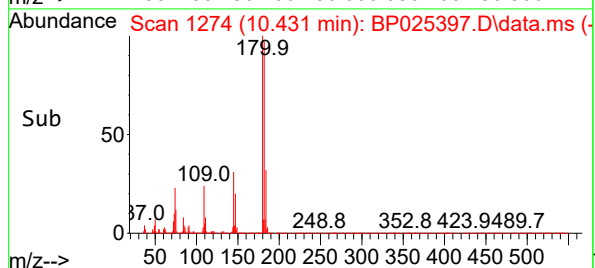
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

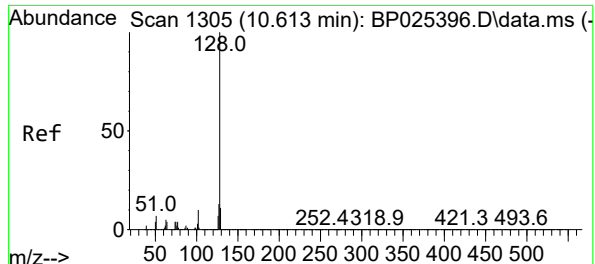


#30
1,2,4-Trichlorobenzene
Concen: 52.101 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion:180 Resp: 507724
Ion Ratio Lower Upper
180 100
182 97.0 78.0 117.0
145 30.8 25.9 38.9





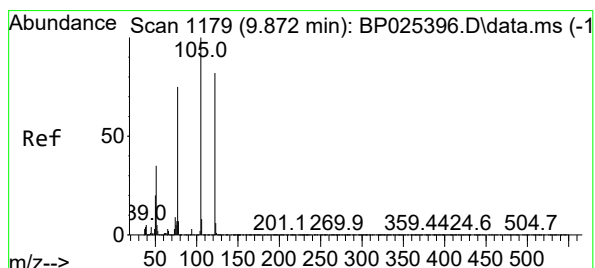
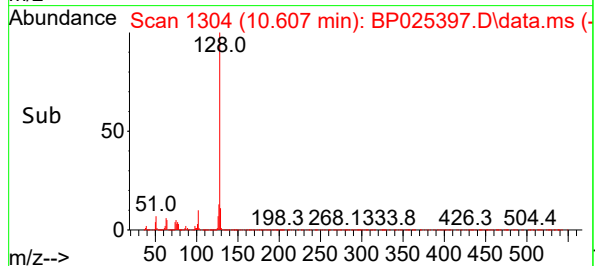
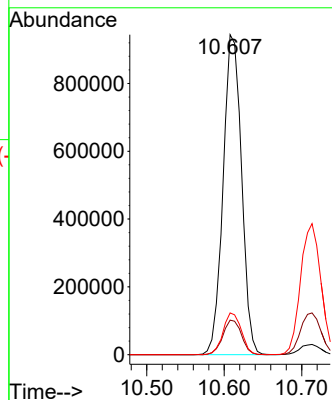
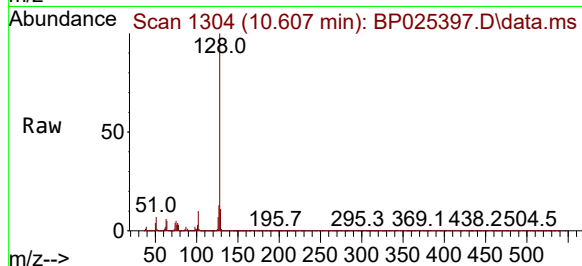
#31
Naphthalene
Concen: 52.305 ng
RT: 10.607 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1560240
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.1 10.7 16.1

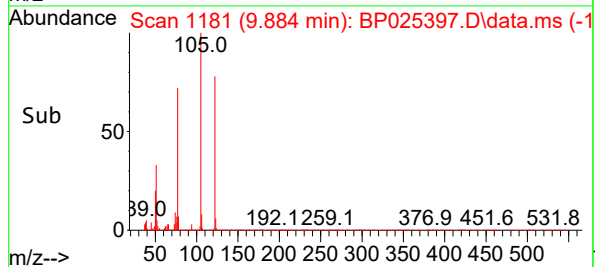
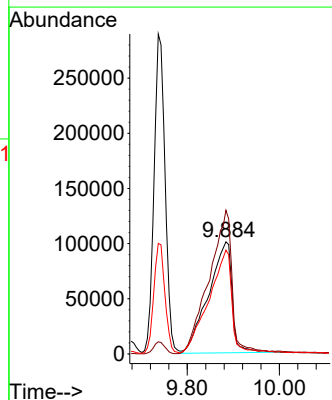
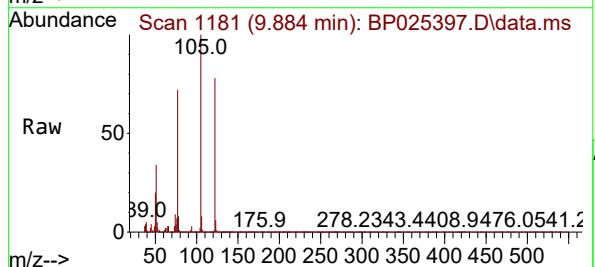
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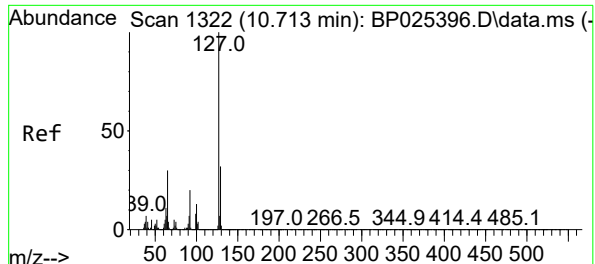
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#32
Benzoic acid
Concen: 54.274 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:122 Resp: 357706
Ion Ratio Lower Upper
122 100
105 128.1 100.6 140.6
77 92.6 71.5 111.5





#33

4-Chloroaniline

Concen: 53.548 ng

RT: 10.713 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 70556

Ion Ratio Lower Upper

127 100

129 31.9 25.4 38.2

65 28.7 23.8 35.6

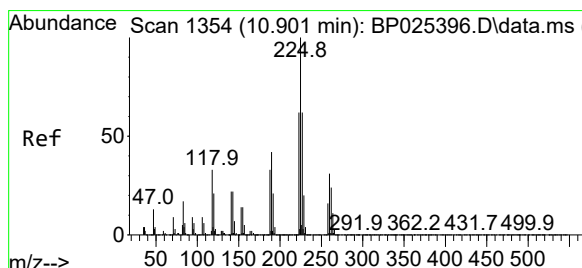
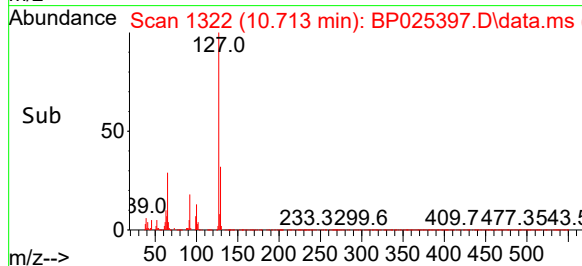
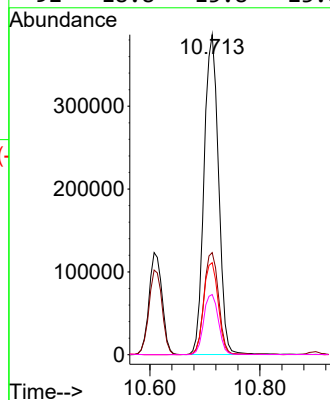
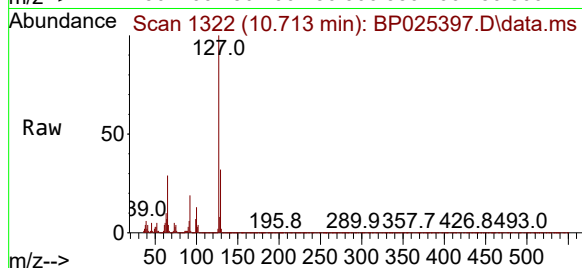
92 18.8 15.8 23.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#34

Hexachlorobutadiene

Concen: 51.436 ng

RT: 10.902 min Scan# 1354

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

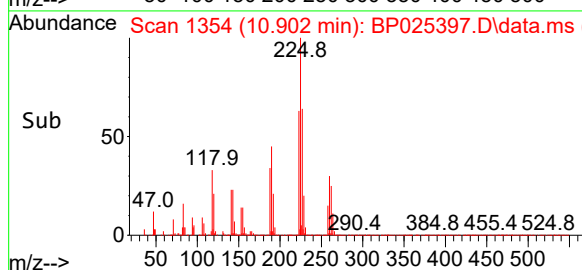
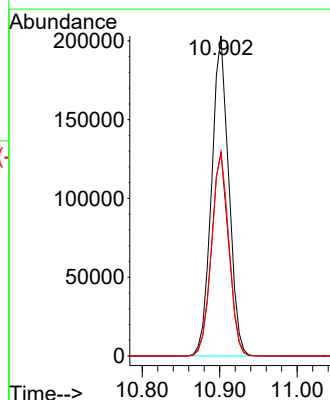
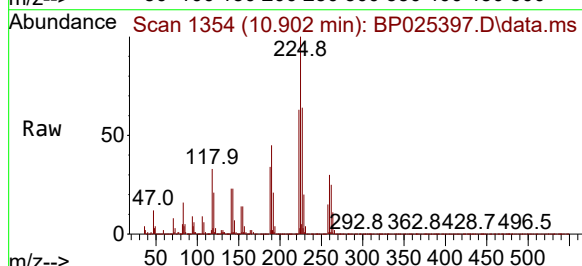
Tgt Ion:225 Resp: 312163

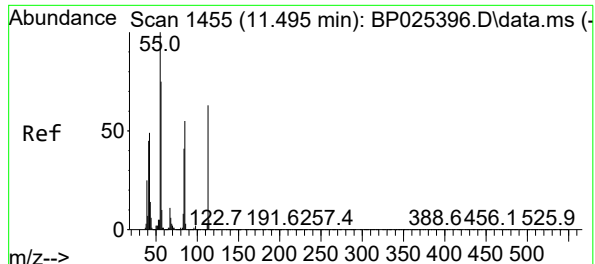
Ion Ratio Lower Upper

225 100

223 63.5 50.0 75.0

227 63.7 49.7 74.5





#35

Caprolactam

Concen: 52.969 ng

RT: 11.502 min Scan# 1455

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:113 Resp: 17266

Ion Ratio Lower Upper

113 100

55 149.6 140.0 180.0

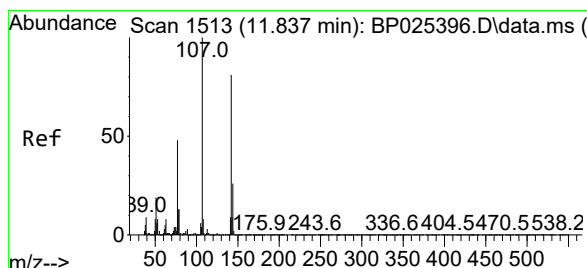
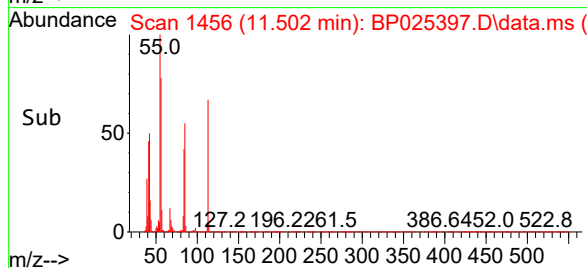
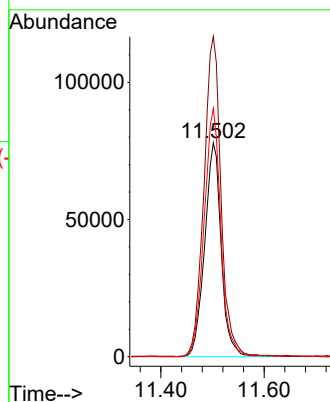
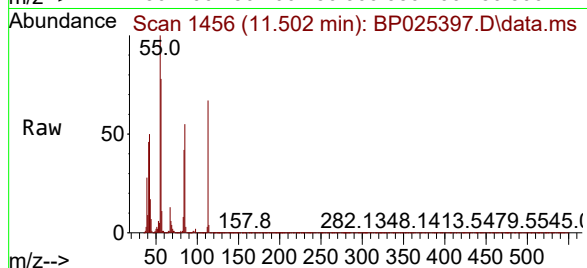
56 116.0 100.0 140.0

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#36

4-Chloro-3-methylphenol

Concen: 52.407 ng

RT: 11.843 min Scan# 1514

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

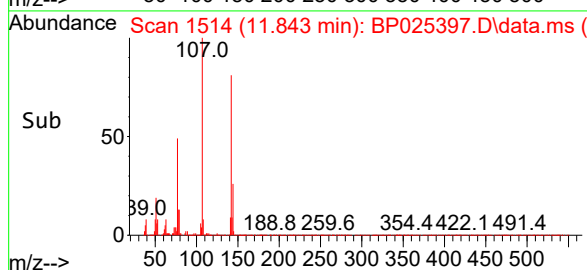
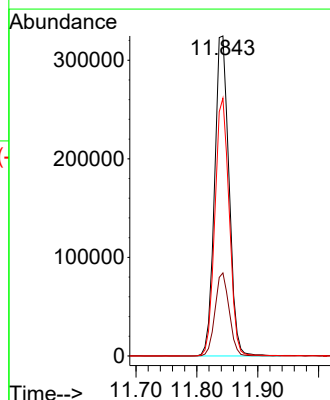
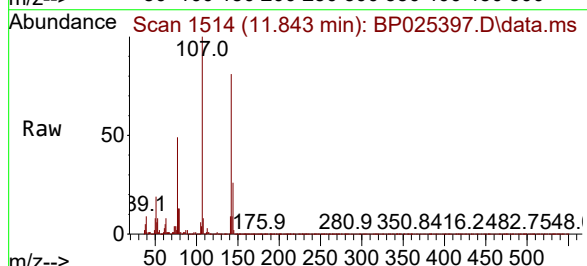
Tgt Ion:107 Resp: 534583

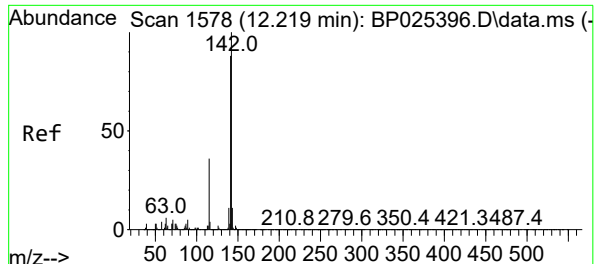
Ion Ratio Lower Upper

107 100

144 26.0 21.0 31.4

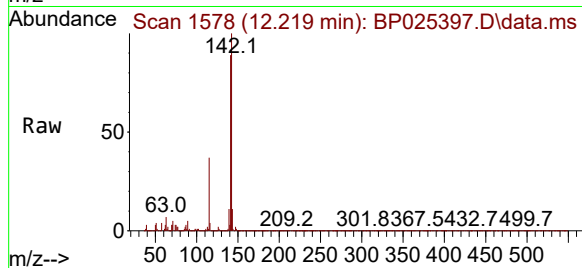
142 80.6 64.6 97.0





#37
2-Methylnaphthalene
Concen: 51.710 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

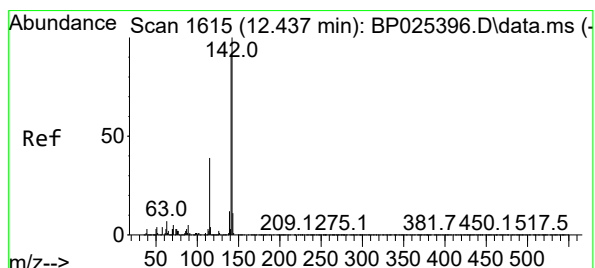
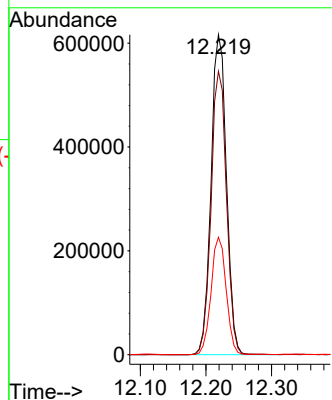
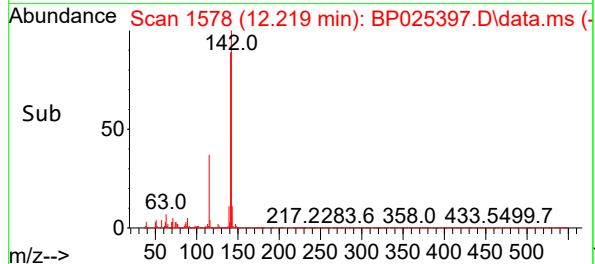
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



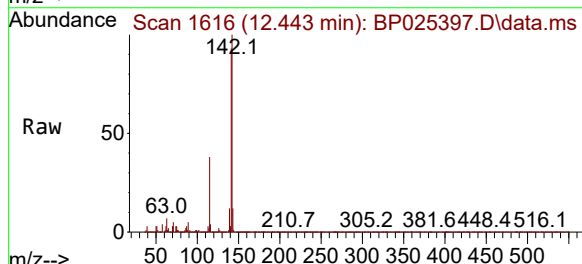
Tgt Ion:142 Resp: 100381
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5
115 36.7 28.9 43.3

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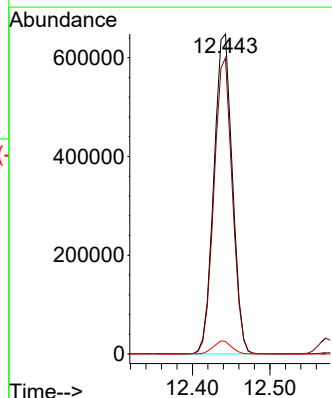
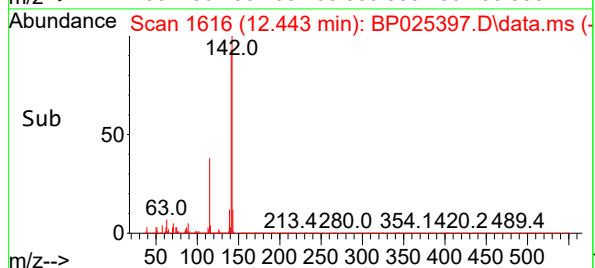
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

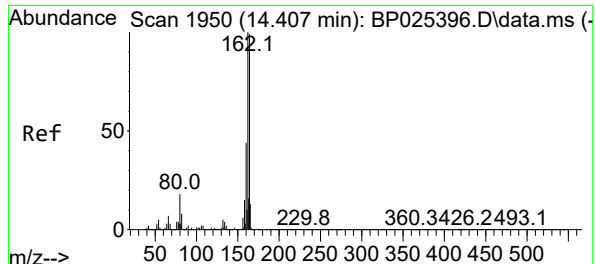


#38
1-Methylnaphthalene
Concen: 52.167 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion:142 Resp: 1076949
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7
116 3.9 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.407 min Scan# 1950

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:164 Resp: 37673

Ion Ratio Lower Upper

164 100

162 100.0 81.0 121.6

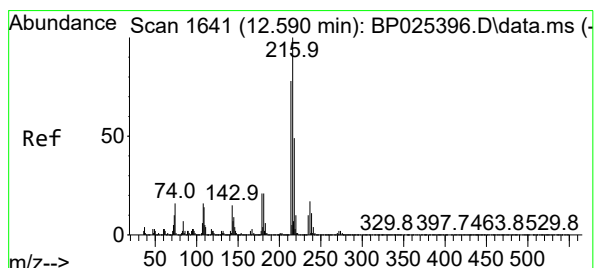
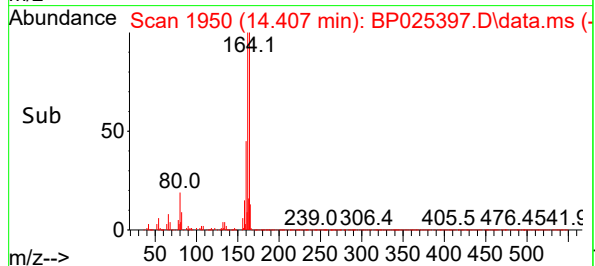
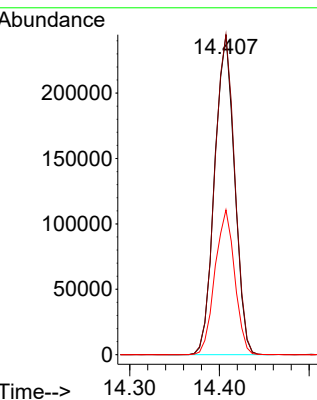
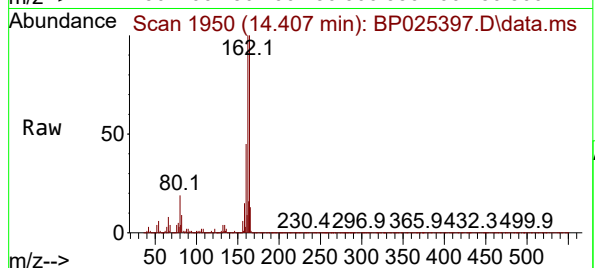
160 45.2 35.4 53.2

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.769 ng

RT: 12.590 min Scan# 1641

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Tgt Ion:216 Resp: 574152

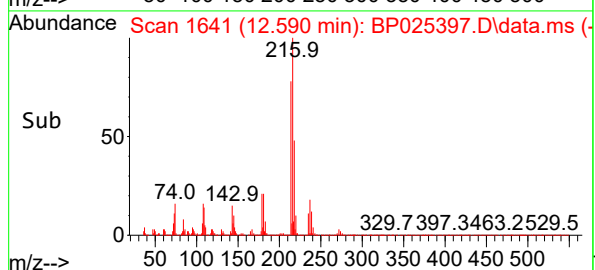
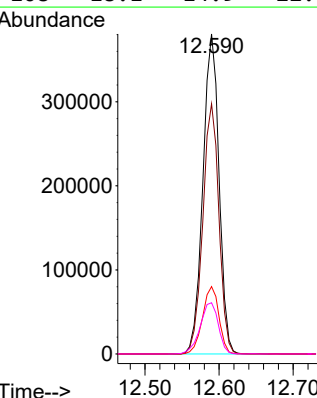
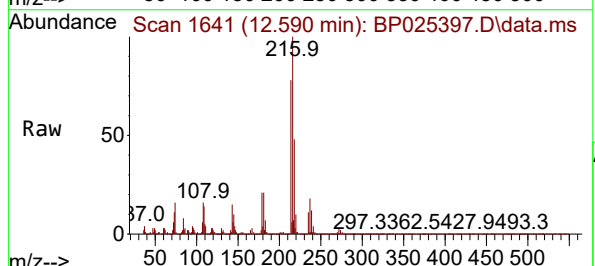
Ion Ratio Lower Upper

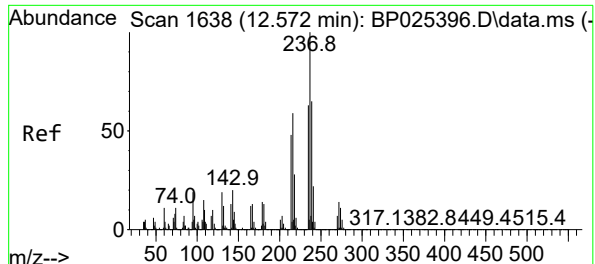
216 100

214 78.2 63.0 94.4

179 21.5 17.1 25.7

108 18.1 14.9 22.3





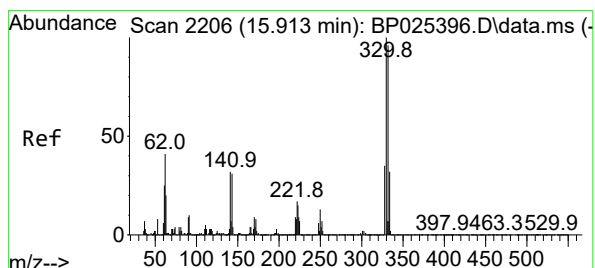
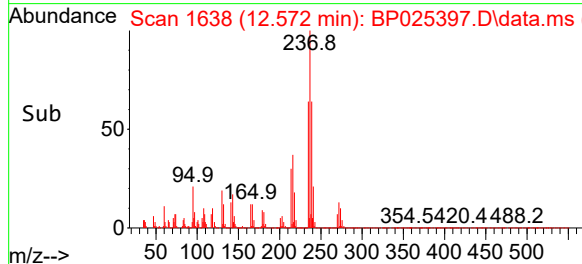
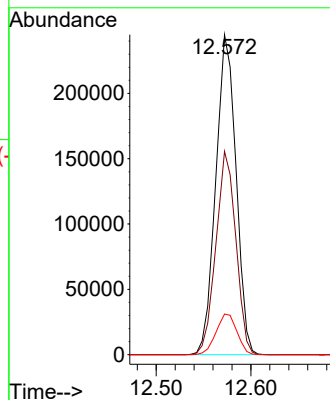
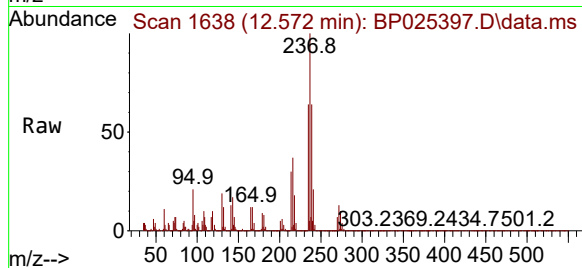
#41
Hexachlorocyclopentadiene
Concen: 55.392 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
Client Sample Id :
SSTDICC050

Tgt Ion: 237 Resp: 36404
Ion Ratio Lower Upper
237 100
235 63.6 42.7 82.7
272 12.7 0.0 34.0

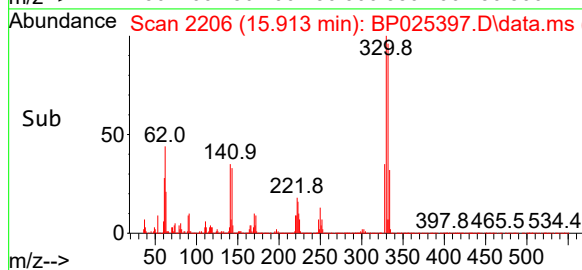
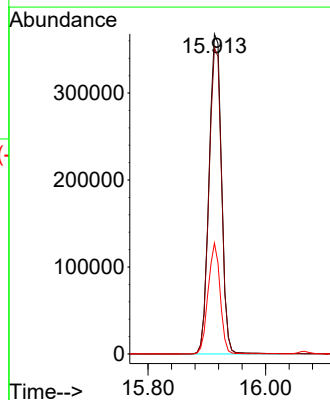
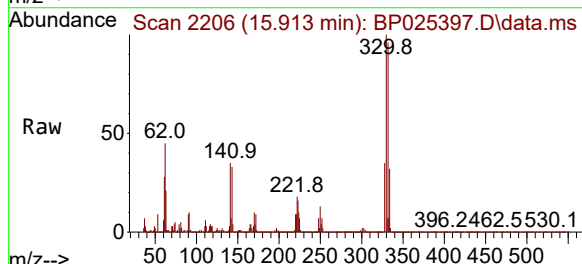
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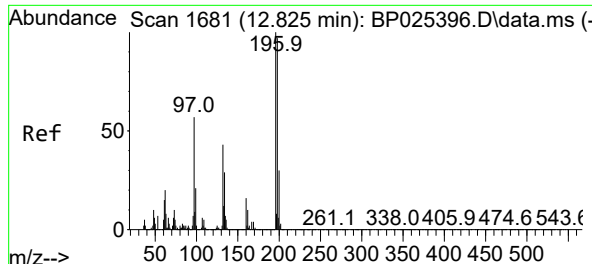
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#42
2,4,6-Tribromophenol
Concen: 106.352 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 330 Resp: 539295
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 33.5 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 53.971 ng

RT: 12.831 min Scan# 1682

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:196 Resp: 396440

Ion Ratio Lower Upper

196 100

198 96.3 77.2 115.8

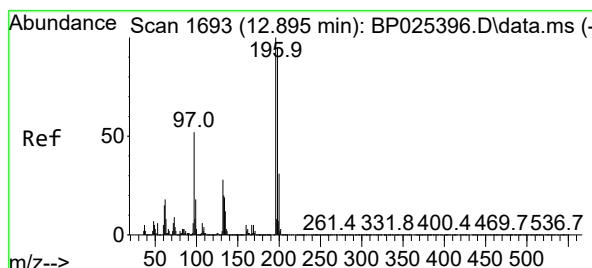
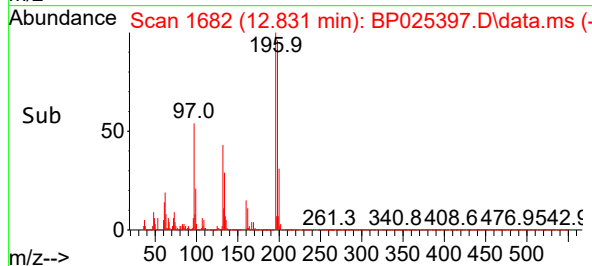
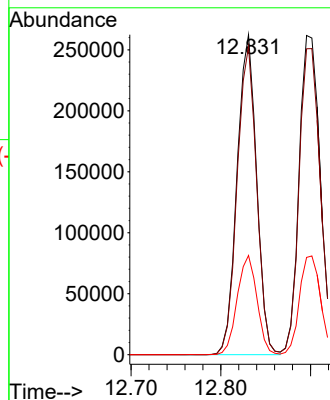
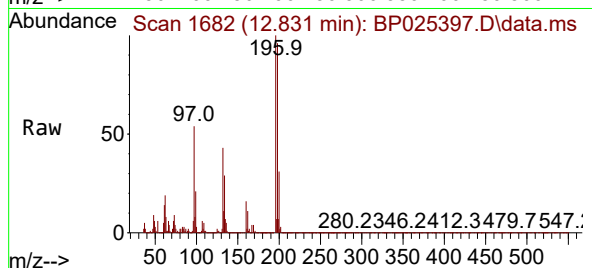
200 31.0 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#44

2,4,5-Trichlorophenol

Concen: 53.421 ng

RT: 12.896 min Scan# 1693

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Tgt Ion:196 Resp: 430061

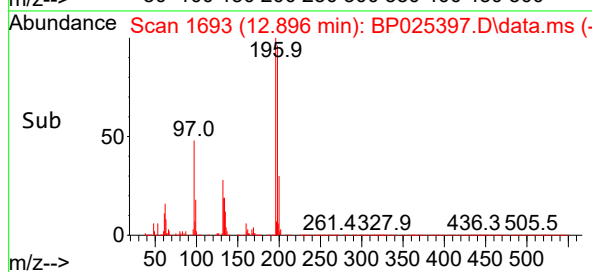
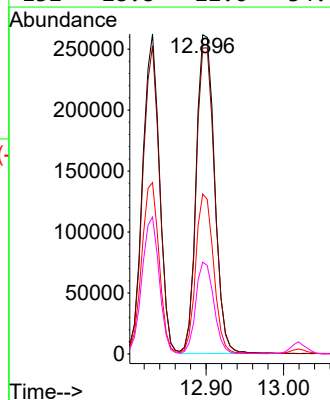
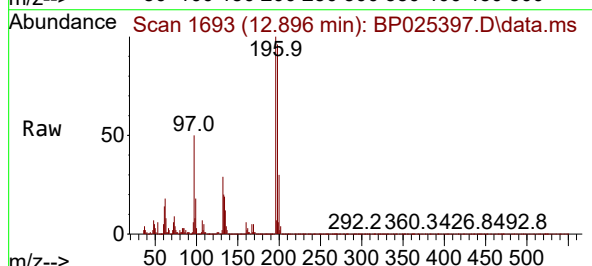
Ion Ratio Lower Upper

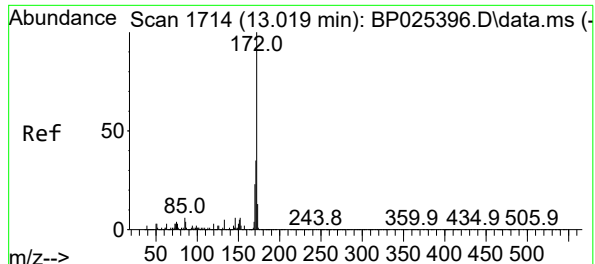
196 100

198 95.8 76.2 114.2

97 50.1 41.2 61.8

132 28.8 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 103.632 ng

RT: 13.019 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:172 Resp: 2856639

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

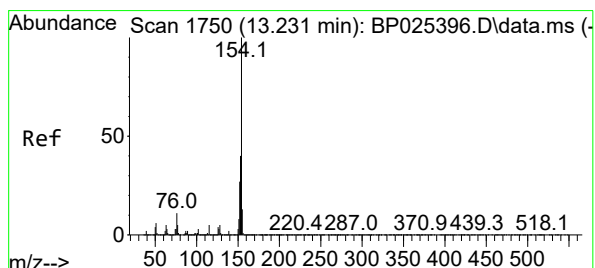
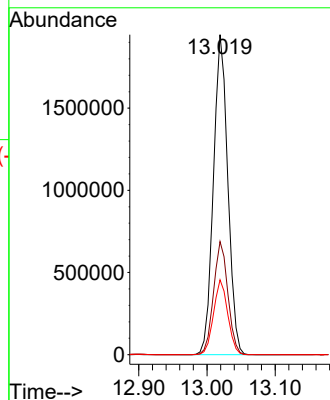
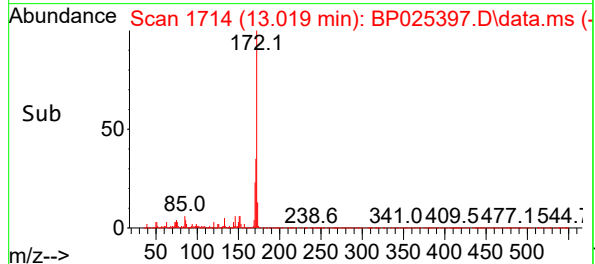
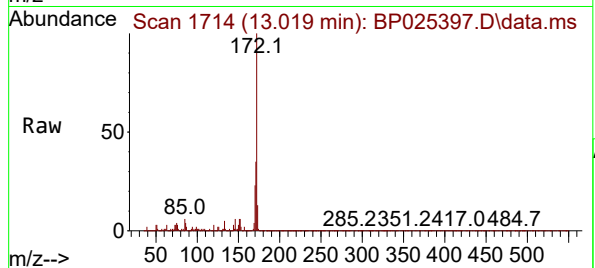
170 23.4 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#46

1,1'-Biphenyl

Concen: 52.922 ng

RT: 13.231 min Scan# 1750

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

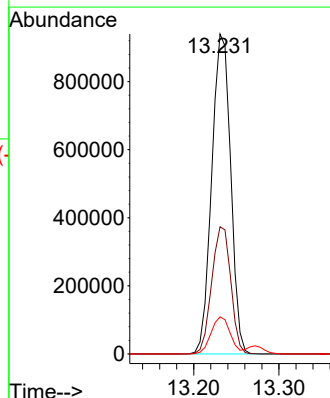
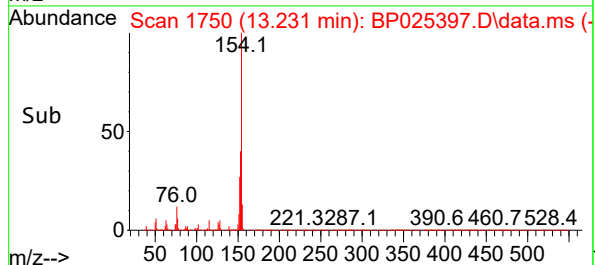
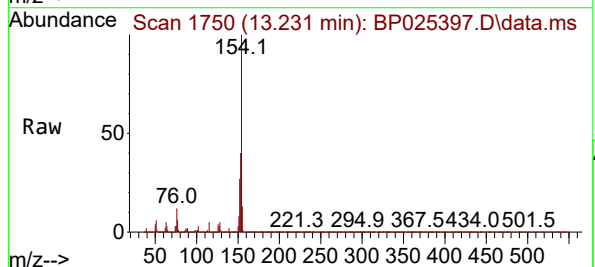
Tgt Ion:154 Resp: 1447968

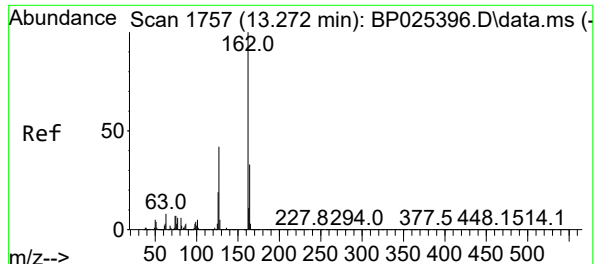
Ion Ratio Lower Upper

154 100

153 39.8 19.5 59.5

76 11.6 0.0 31.1





#47

2-Chloronaphthalene

Concen: 52.344 ng

RT: 13.272 min Scan# 1757

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 111492

Ion Ratio Lower Upper

162 100

127 41.3 33.4 50.2

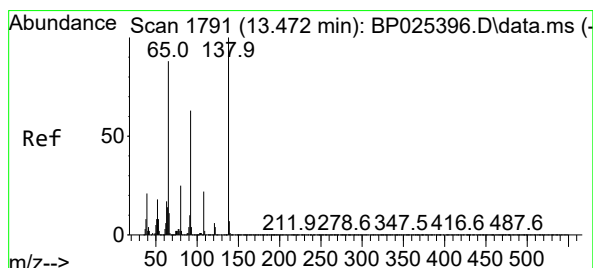
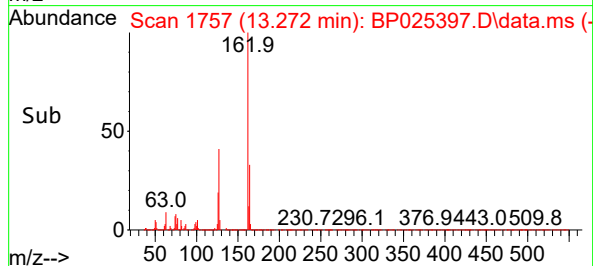
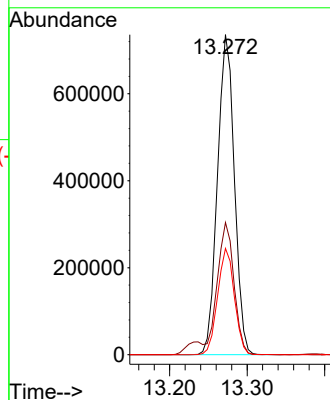
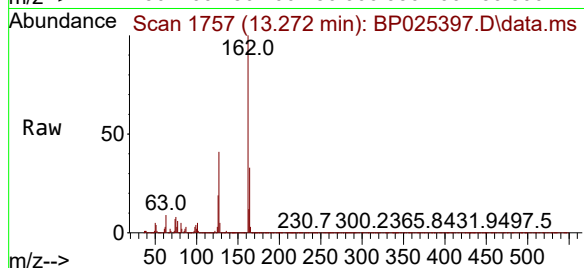
164 33.2 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#48

2-Nitroaniline

Concen: 54.613 ng

RT: 13.472 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

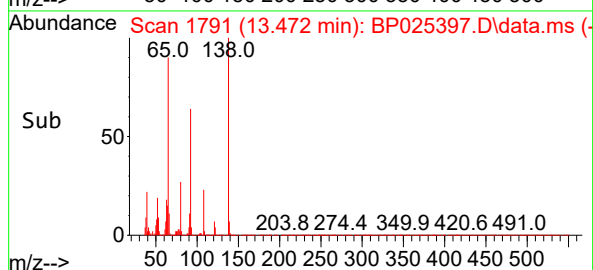
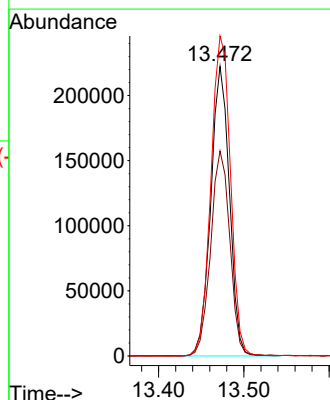
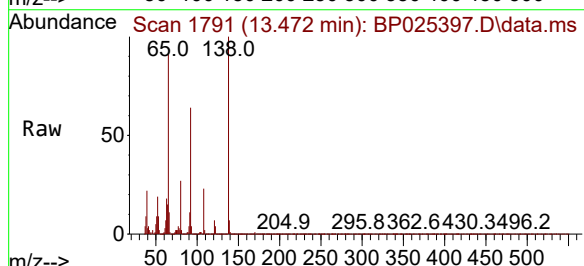
Tgt Ion: 65 Resp: 338939

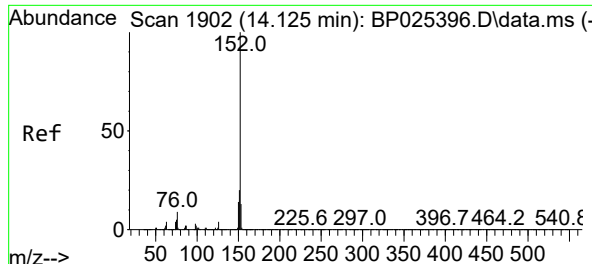
Ion Ratio Lower Upper

65 100

92 70.7 57.6 86.4

138 110.5 91.0 136.6





#49

Acenaphthylene

Concen: 53.227 ng

RT: 14.125 min Scan# 1902

Delta R.T. 0.000 min

Lab File: BP025397.D

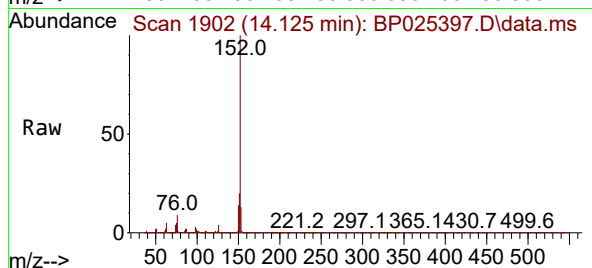
Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050



Tgt Ion:152 Resp: 1875998

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

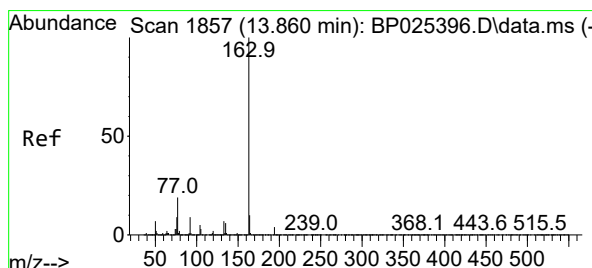
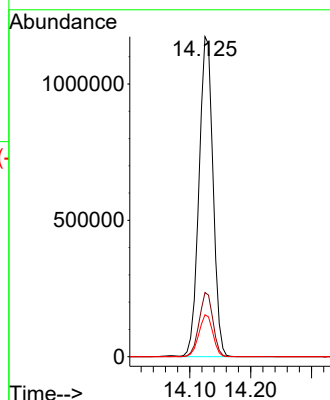
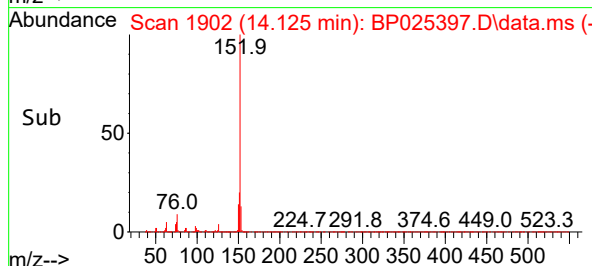
153 13.1 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#50

Dimethylphthalate

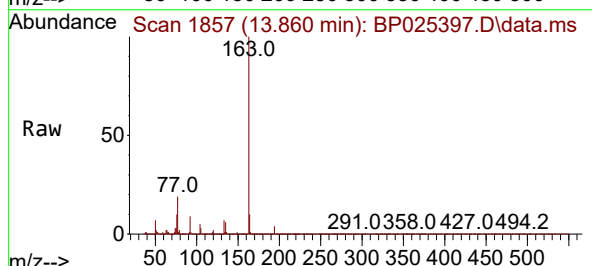
Concen: 51.622 ng

RT: 13.860 min Scan# 1857

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01



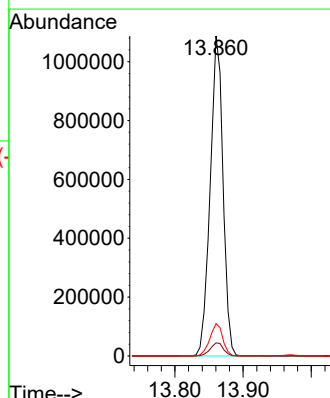
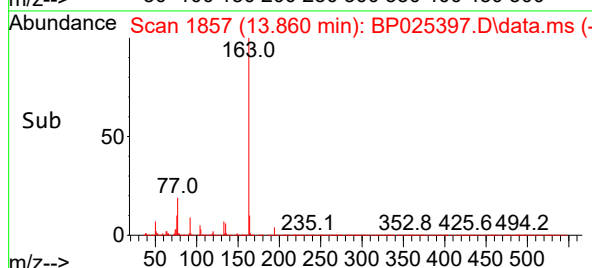
Tgt Ion:163 Resp: 1424127

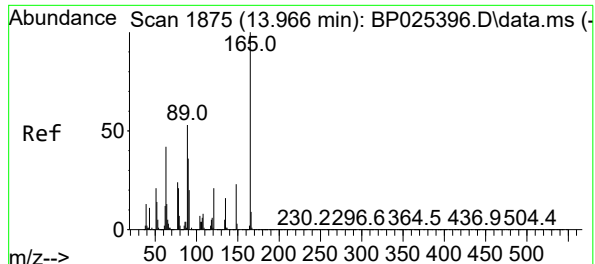
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

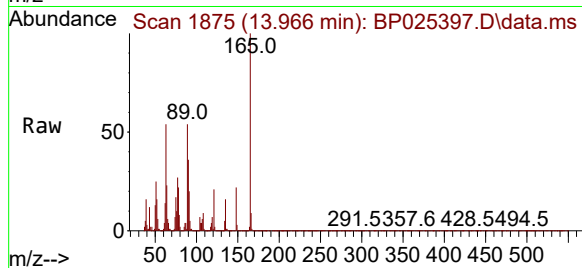
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 53.683 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

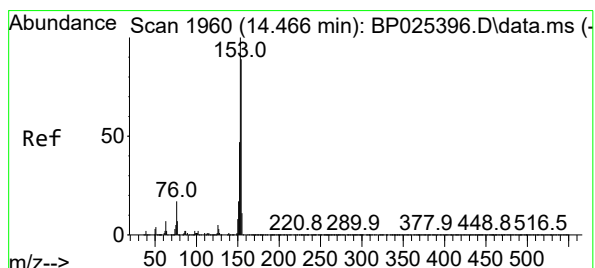
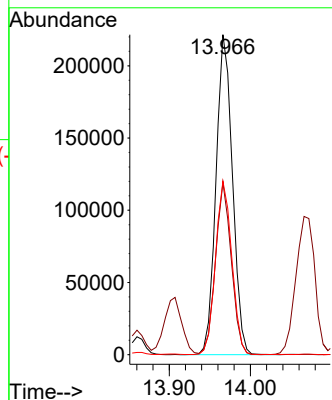
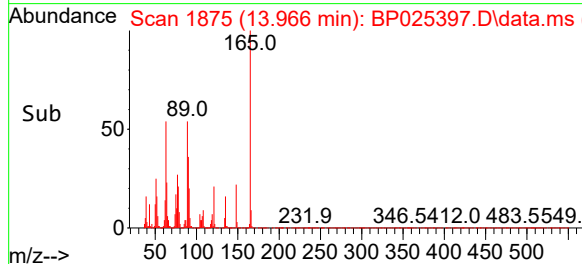
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 312149
Ion Ratio Lower Upper
165 100
63 53.8 40.9 61.3
89 54.2 42.1 63.1

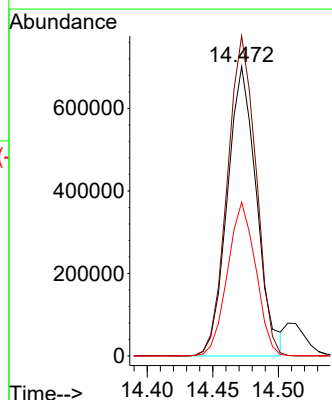
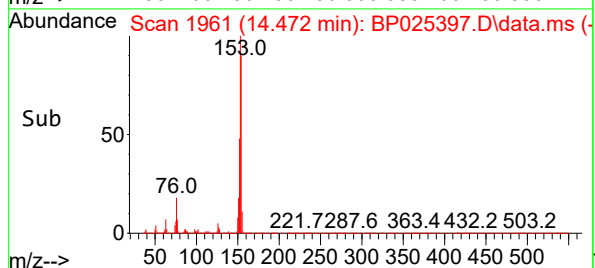
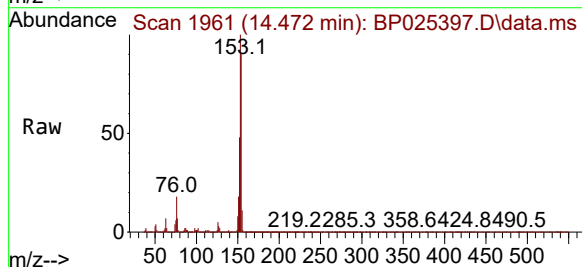
Manual Integrations
APPROVED

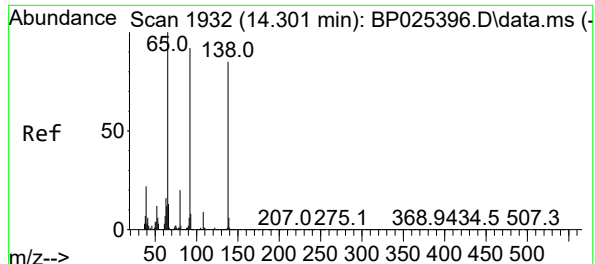
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#52
Acenaphthene
Concen: 52.577 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

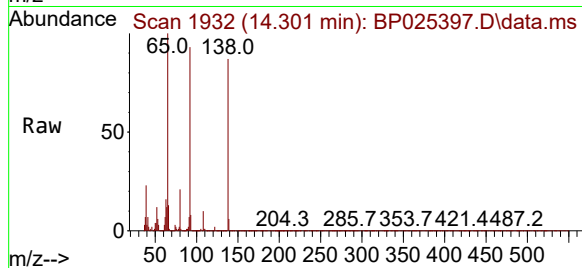
Tgt Ion:154 Resp: 1087721
Ion Ratio Lower Upper
154 100
153 110.6 90.2 135.2
152 53.1 42.1 63.1





#53
3-Nitroaniline
Concen: 55.339 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

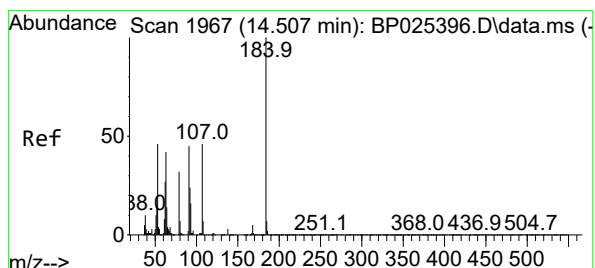
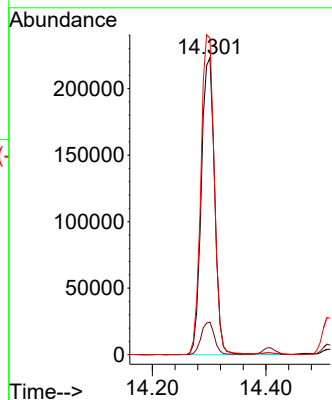
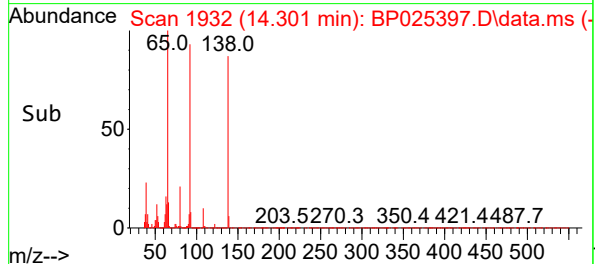
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:138 Resp: 362030
Ion Ratio Lower Upper
138 100
108 11.0 8.3 12.5
92 106.6 86.2 129.2

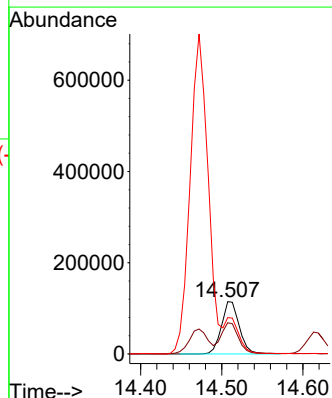
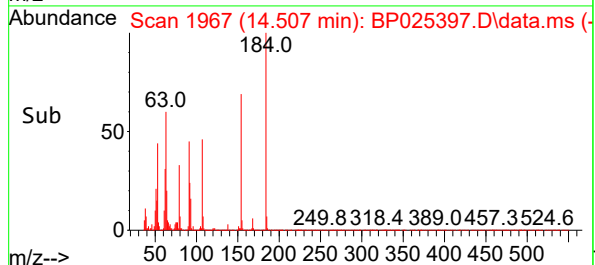
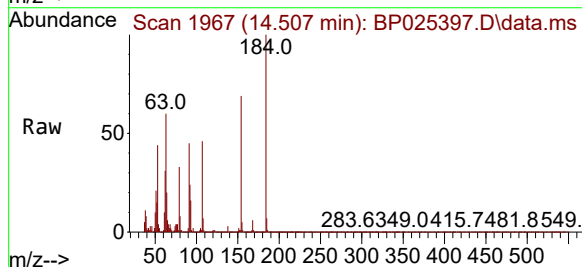
Manual Integrations
APPROVED

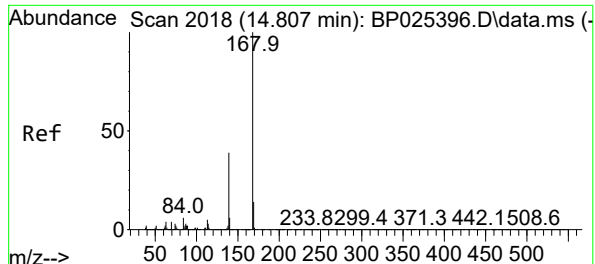
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#54
2,4-Dinitrophenol
Concen: 56.503 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

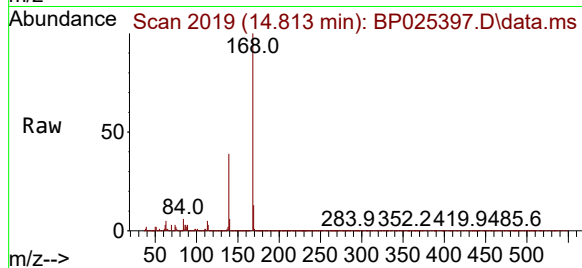
Tgt Ion:184 Resp: 175453
Ion Ratio Lower Upper
184 100
63 59.7 49.4 74.2
154 69.4 54.6 82.0





#55
Dibenzenofuran
Concen: 52.147 ng
RT: 14.813 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

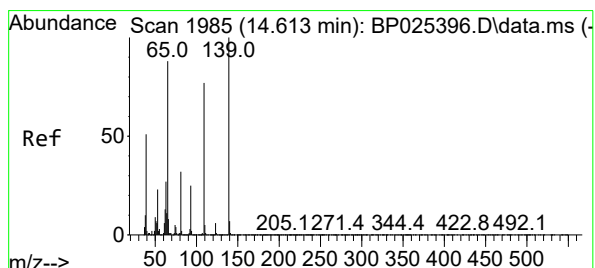
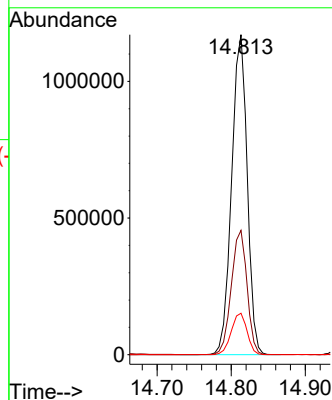
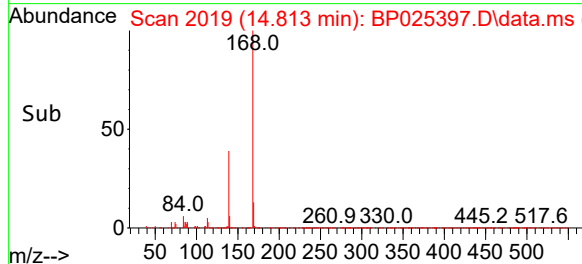
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



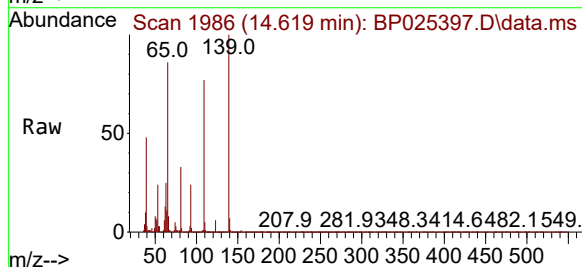
Tgt Ion:168 Resp: 1705630
Ion Ratio Lower Upper
168 100
139 38.9 31.5 47.3
169 13.0 10.9 16.3

Manual Integrations
APPROVED

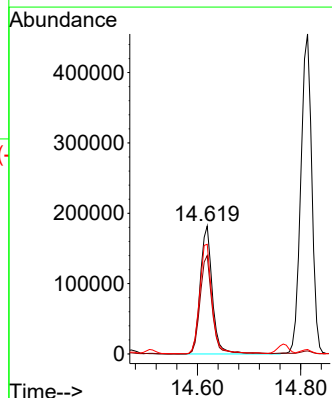
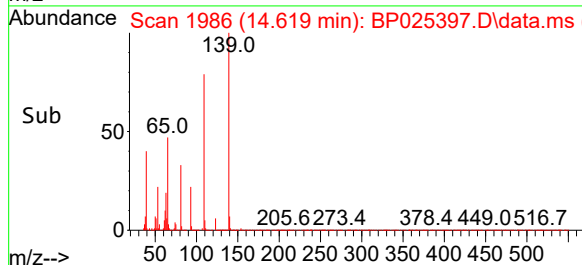
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

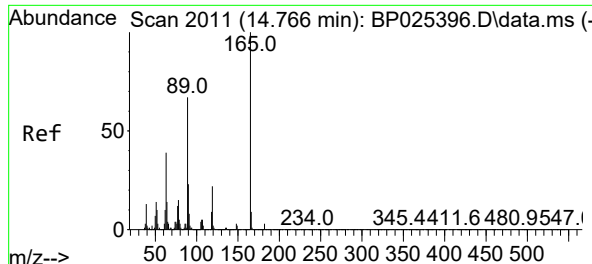


#56
4-Nitrophenol
Concen: 55.103 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion:139 Resp: 296227
Ion Ratio Lower Upper
139 100
109 76.8 56.6 96.6
65 85.5 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 54.354 ng

RT: 14.766 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:165 Resp: 45092

Ion Ratio Lower Upper

165 100

63 42.0 31.4 47.2

89 67.9 53.3 79.9

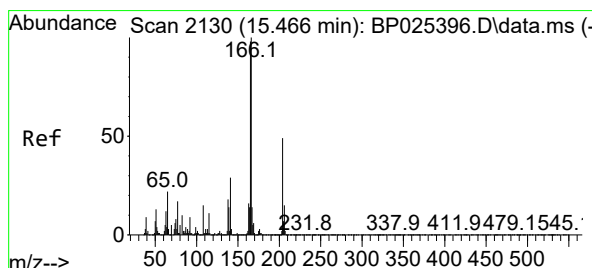
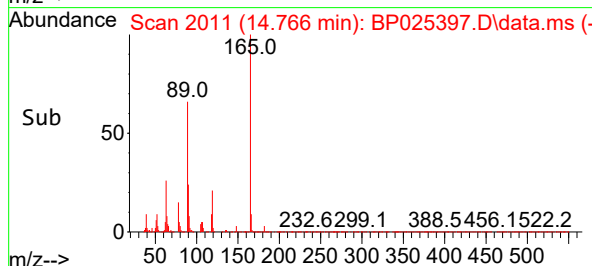
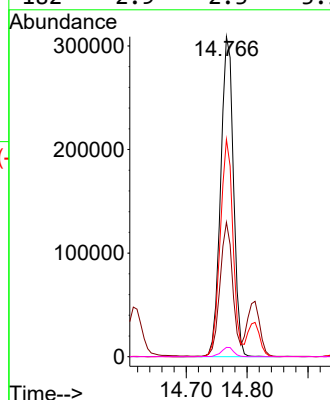
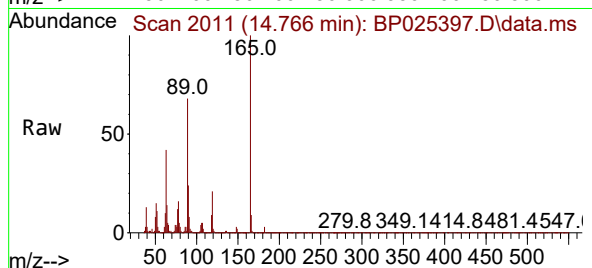
182 2.9 2.3 3.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#58

Fluorene

Concen: 51.627 ng

RT: 15.466 min Scan# 2130

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

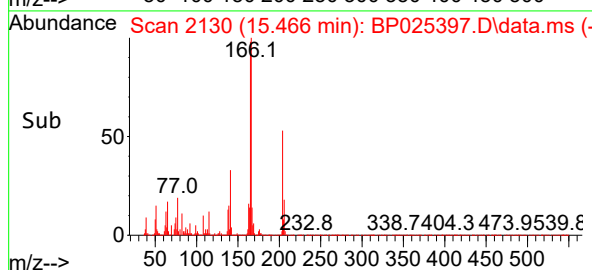
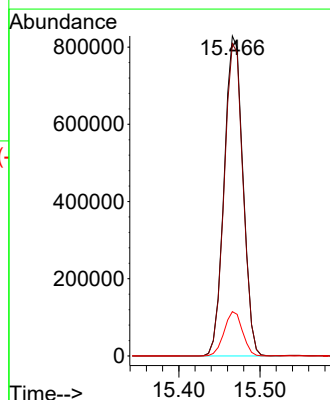
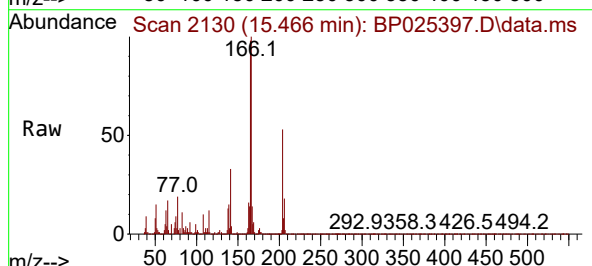
Tgt Ion:166 Resp: 1332448

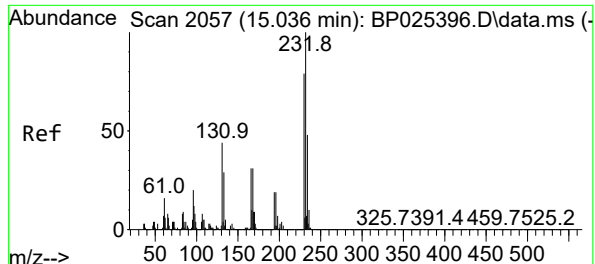
Ion Ratio Lower Upper

166 100

165 97.6 78.8 118.2

167 13.9 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 53.281 ng

RT: 15.043 min Scan# 2058

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:232 Resp: 37874

Ion Ratio Lower Upper

232 100

131 46.0 37.0 55.6

130 2.5 1.9 2.9

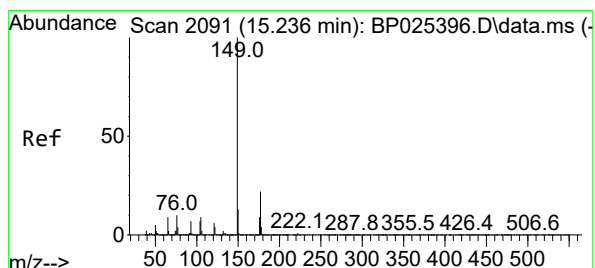
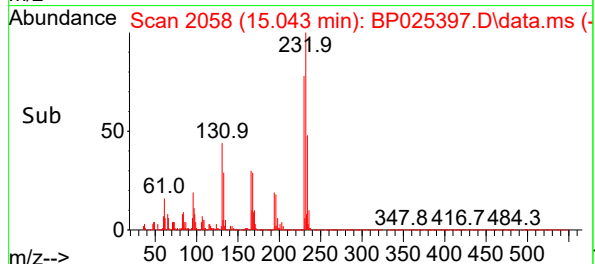
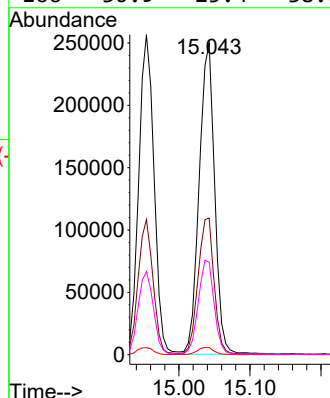
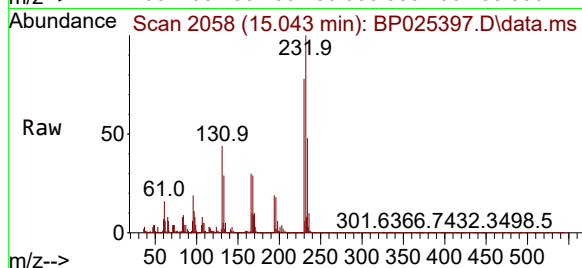
166 30.9 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#60

Diethylphthalate

Concen: 51.728 ng

RT: 15.243 min Scan# 2092

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

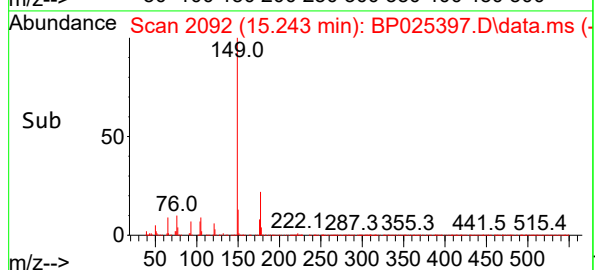
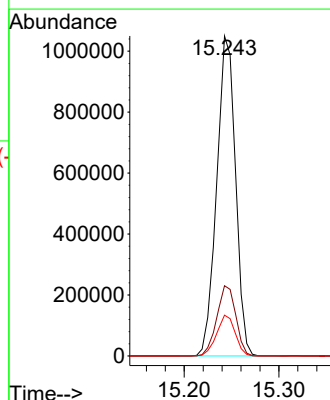
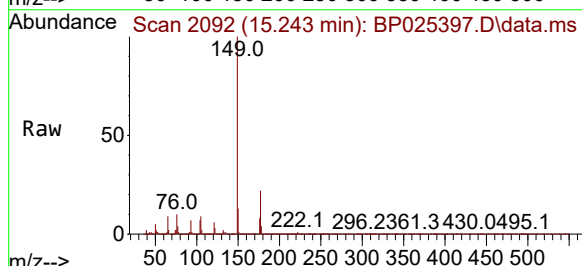
Tgt Ion:149 Resp: 1450033

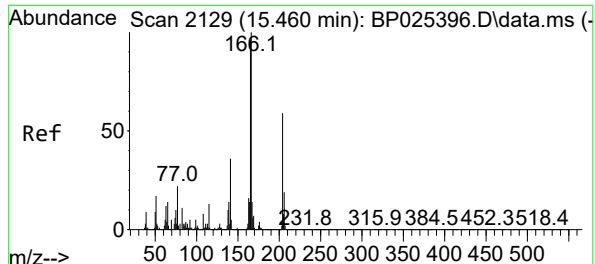
Ion Ratio Lower Upper

149 100

177 21.9 17.3 25.9

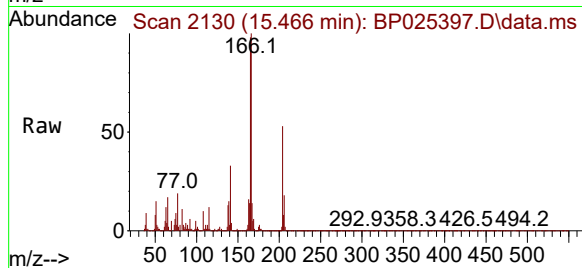
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 50.647 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

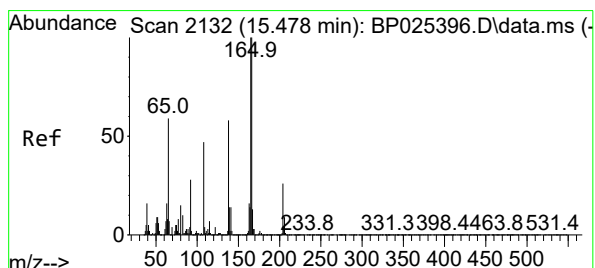
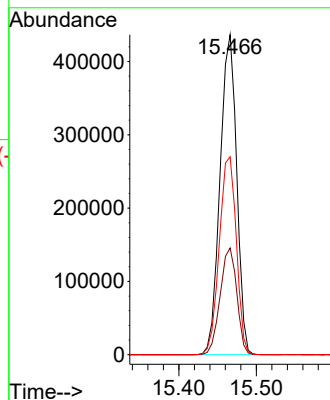
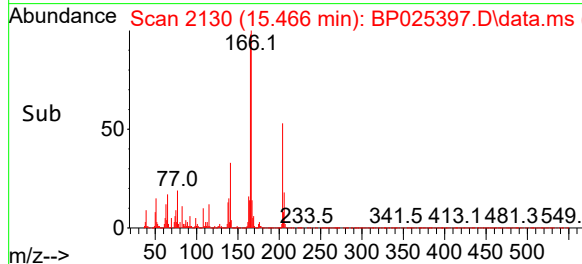
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:204 Resp: 65010
Ion Ratio Lower Upper
204 100
206 33.4 25.8 38.8
141 61.8 49.4 74.2

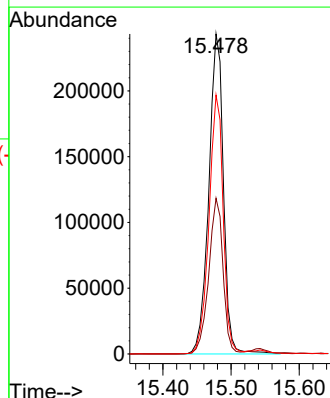
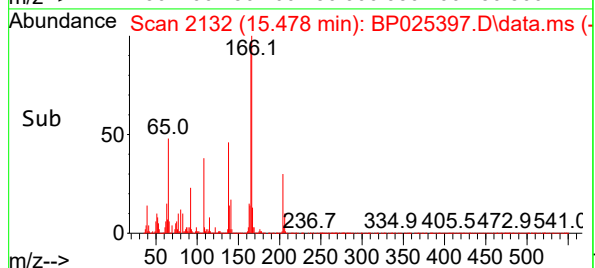
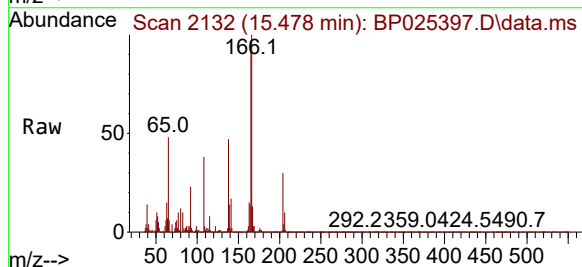
Manual Integrations
APPROVED

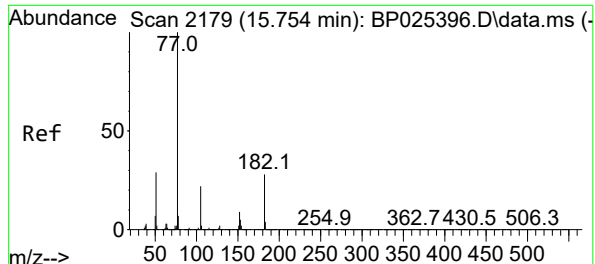
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#62
4-Nitroaniline
Concen: 54.278 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

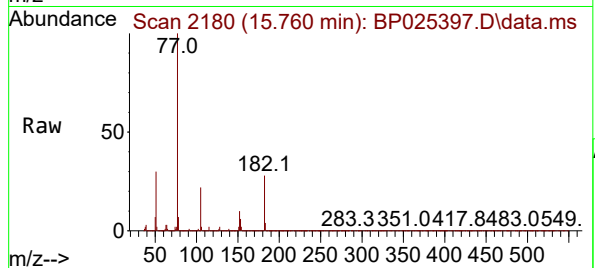
Tgt Ion:138 Resp: 364030
Ion Ratio Lower Upper
138 100
92 48.6 29.1 69.1
108 80.9 61.5 101.5





#63
Azobenzene
Concen: 52.602 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

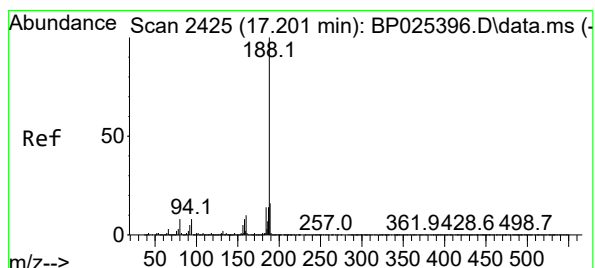
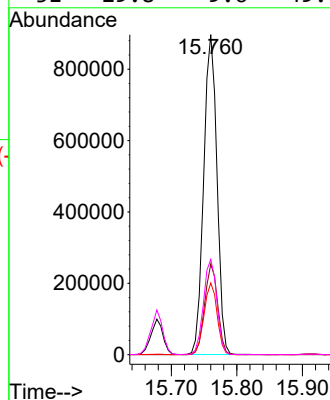
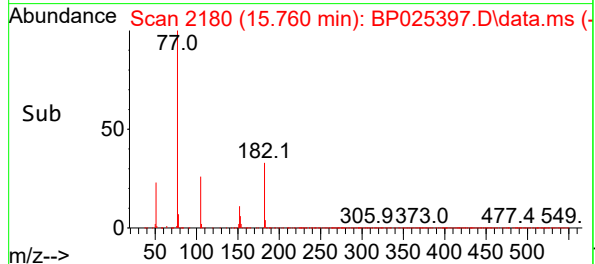
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 1262570
Ion Ratio Lower Upper
77 100
182 28.3 7.5 47.5
105 22.4 2.1 42.1
51 29.8 9.6 49.6

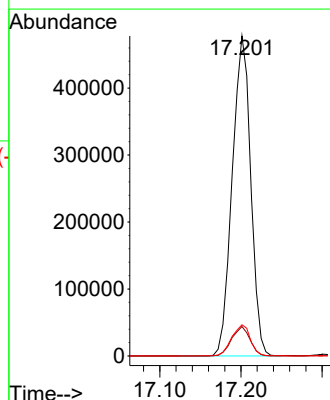
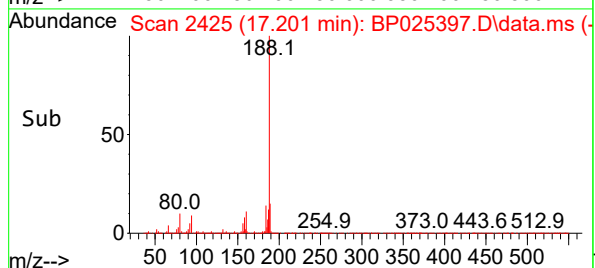
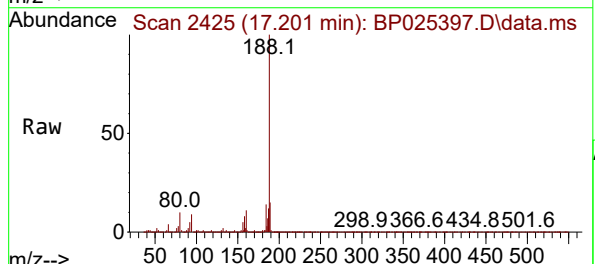
Manual Integrations
APPROVED

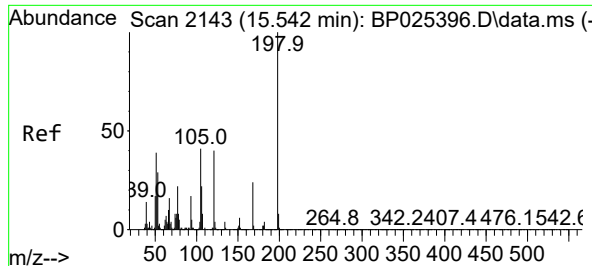
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

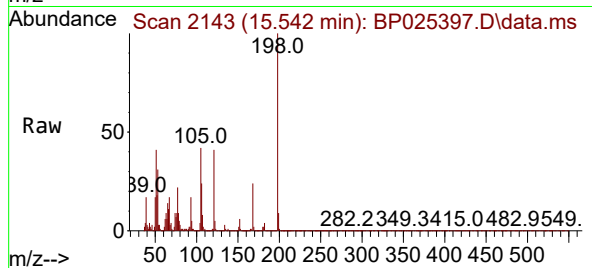
Tgt Ion:188 Resp: 753705
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.8 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 55.792 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

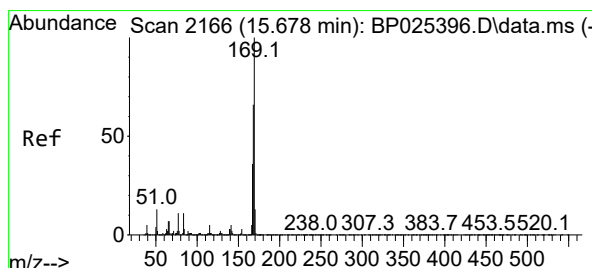
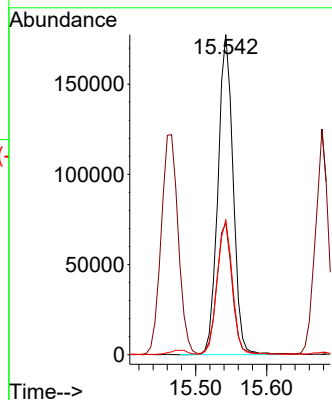
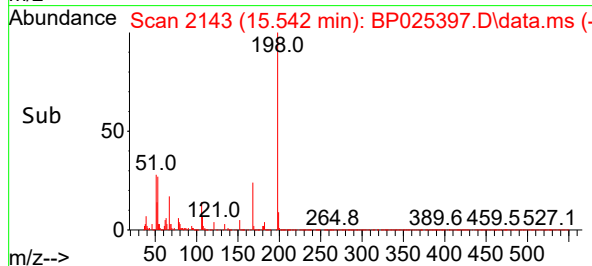
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:198 Resp: 262120
Ion Ratio Lower Upper
198 100
51 41.2 19.6 59.6
105 42.0 20.9 60.9

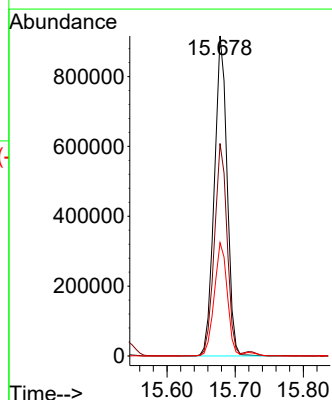
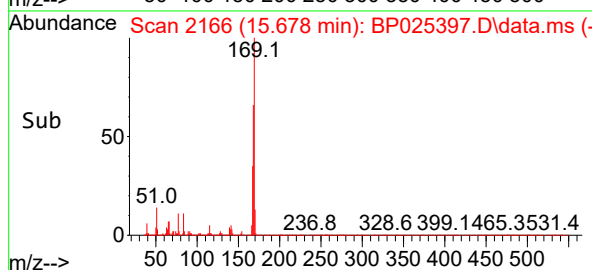
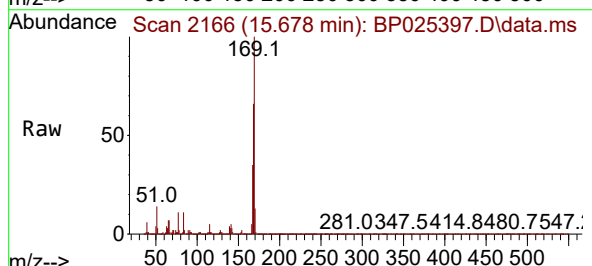
Manual Integrations
APPROVED

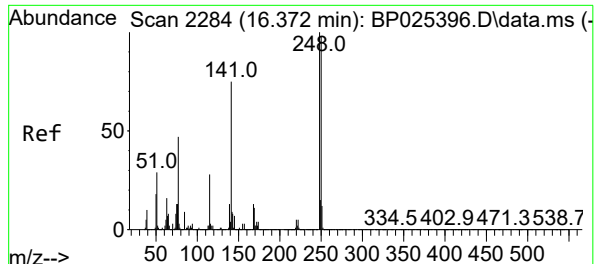
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 51.997 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:169 Resp: 1195077
Ion Ratio Lower Upper
169 100
168 66.4 53.2 79.8
167 35.4 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 52.325 ng
RT: 16.372 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

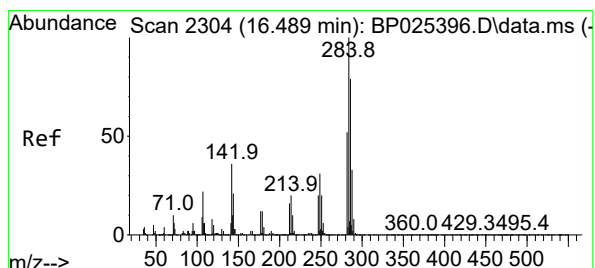
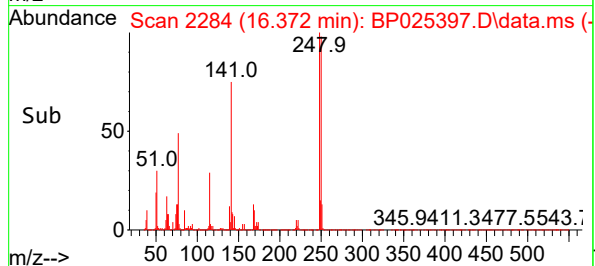
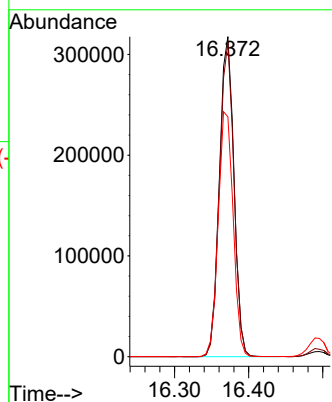
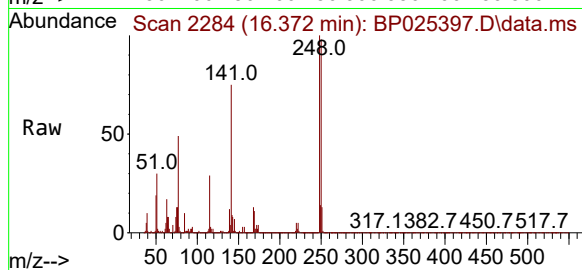
ClientSampleId :

SSTDICC050

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.2	117.2
141	75.0	59.6	89.4

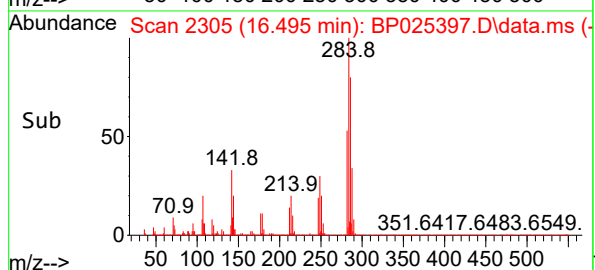
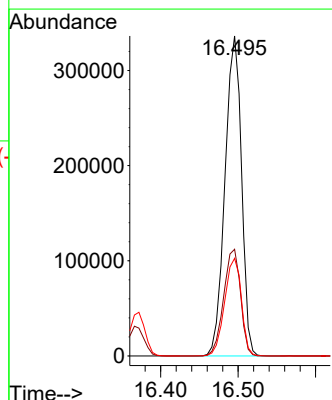
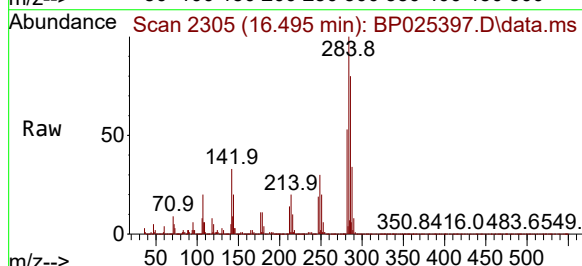
Manual Integrations
APPROVED

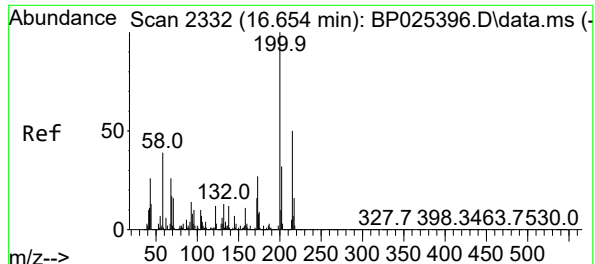
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#68
Hexachlorobenzene
Concen: 51.816 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.3	29.1	43.7
249	30.5	25.0	37.4





#69

Atrazine

Concen: 52.479 ng

RT: 16.654 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

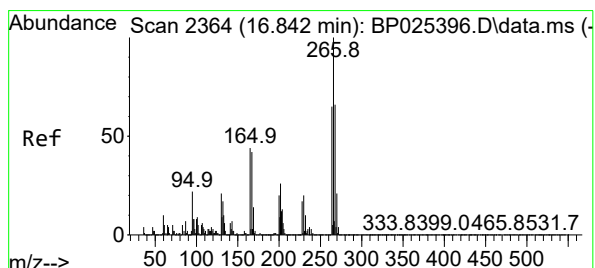
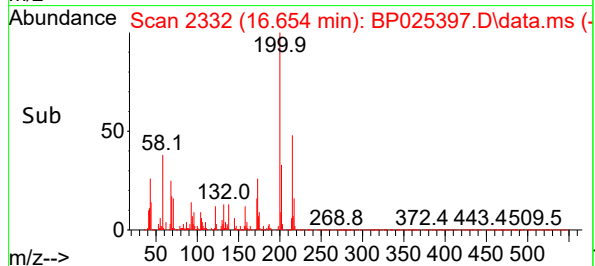
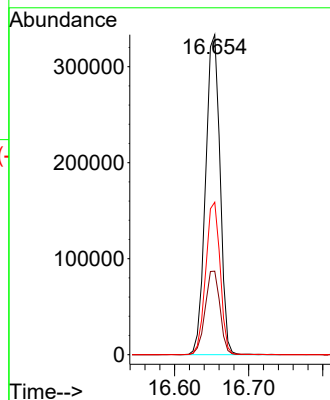
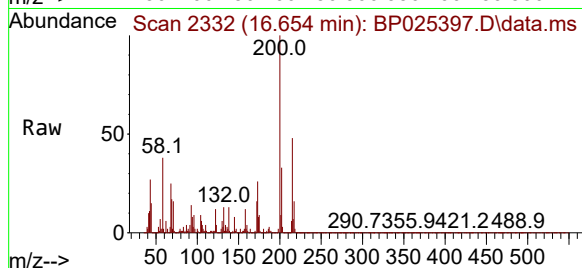
SSTDICC050

Tgt Ion:	200	Resp:	451704
Ion Ratio	Lower	Upper	
200	100		
173	26.1	6.7	46.7
215	47.7	29.7	69.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#70

Pentachlorophenol

Concen: 54.872 ng

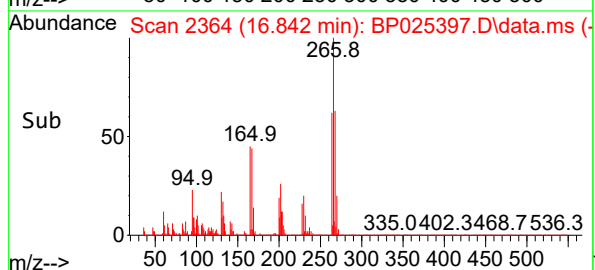
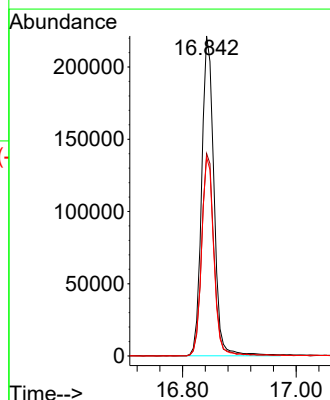
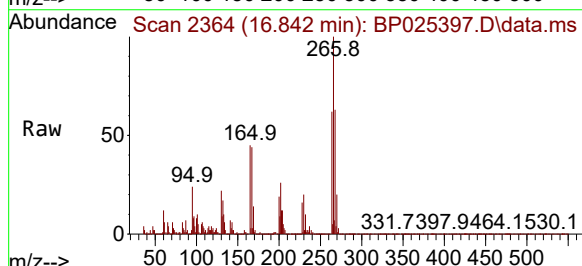
RT: 16.842 min Scan# 2364

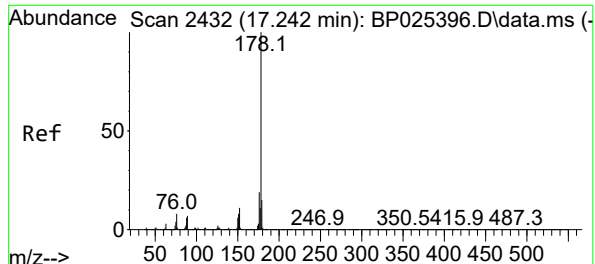
Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

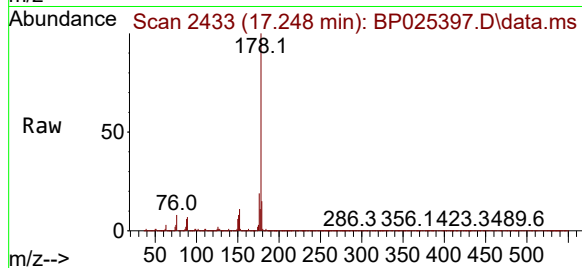
Tgt Ion:	266	Resp:	332839
Ion Ratio	Lower	Upper	
266	100		
268	63.2	52.6	79.0
264	62.1	52.0	78.0





#71
Phenanthrene
Concen: 51.673 ng
RT: 17.248 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

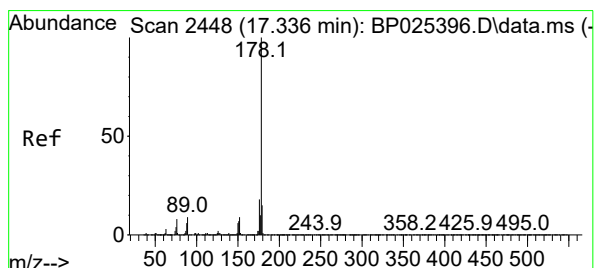
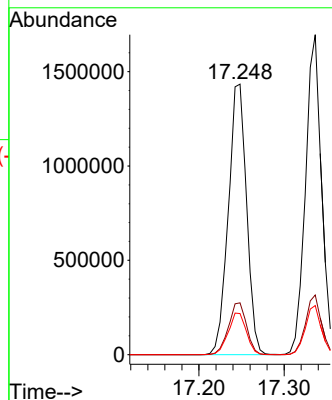
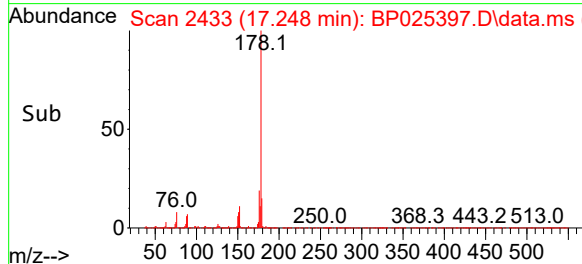
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 213943
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.2 18.4

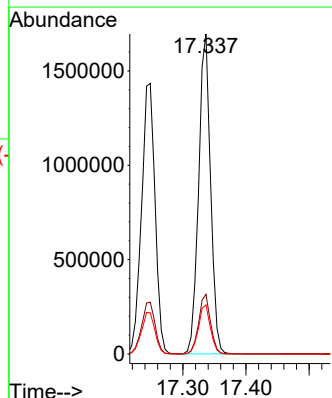
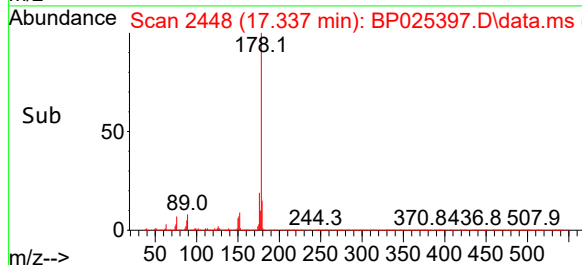
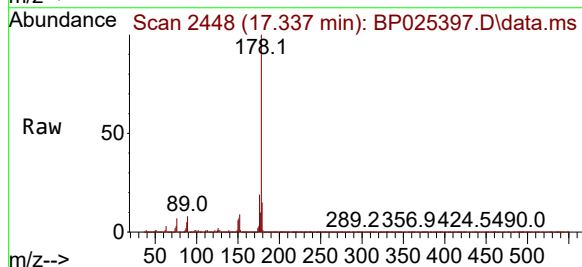
Manual Integrations
APPROVED

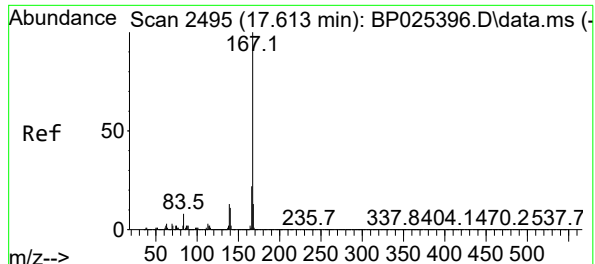
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#72
Anthracene
Concen: 52.385 ng
RT: 17.337 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

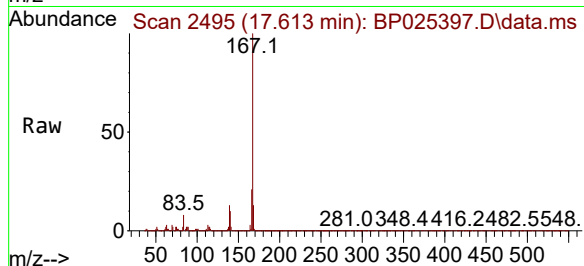
Tgt Ion:178 Resp: 2214911
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.4 12.2 18.2





#73
Carbazole
Concen: 52.559 ng
RT: 17.613 min Scan# 2495
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

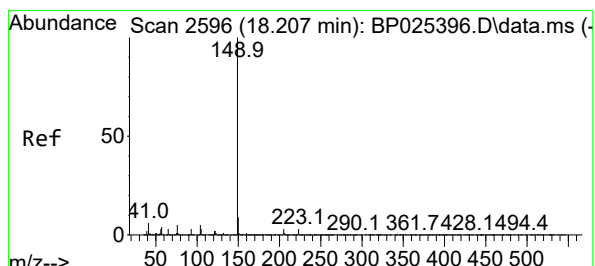
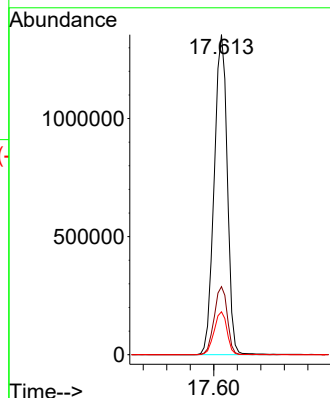
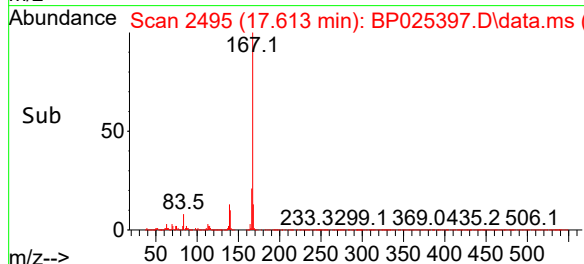
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



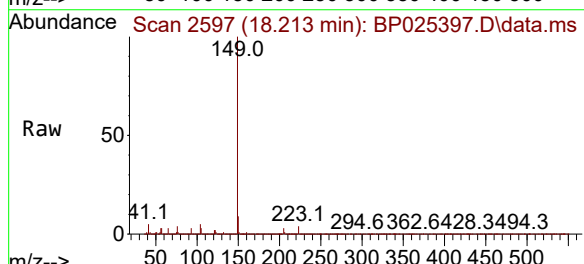
Tgt Ion:167 Resp: 209317
Ion Ratio Lower Upper
167 100
166 21.2 17.5 26.3
139 13.4 10.6 16.0

Manual Integrations
APPROVED

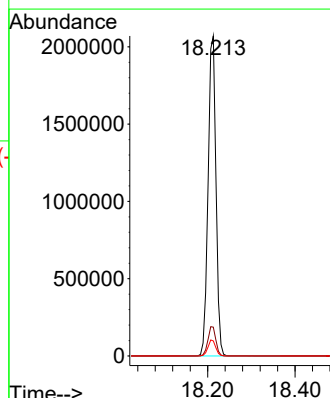
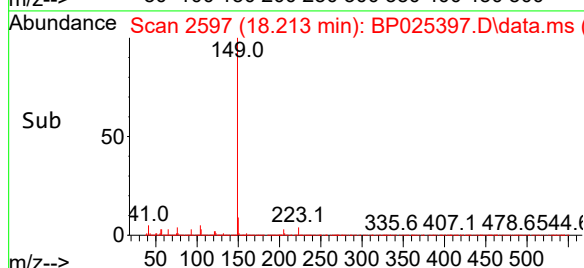
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

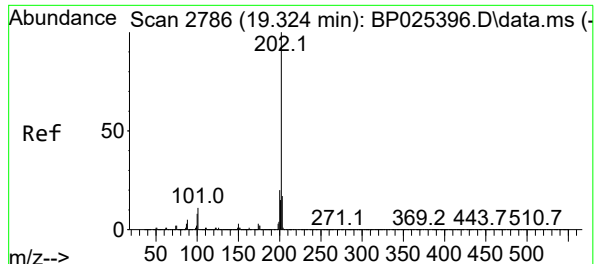


#74
Di-n-butylphthalate
Concen: 52.849 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



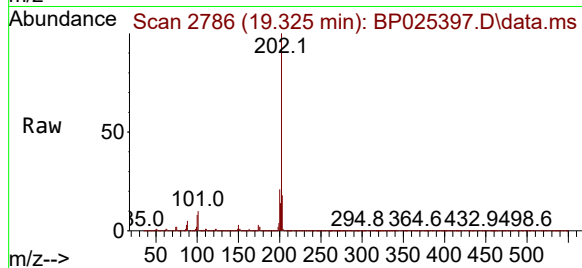
Tgt Ion:149 Resp: 2589522
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.7 4.2 6.2





#75
Fluoranthene
Concen: 51.910 ng
RT: 19.325 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

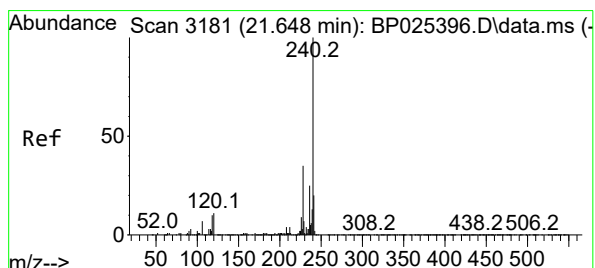
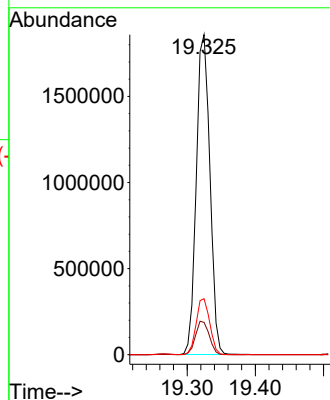
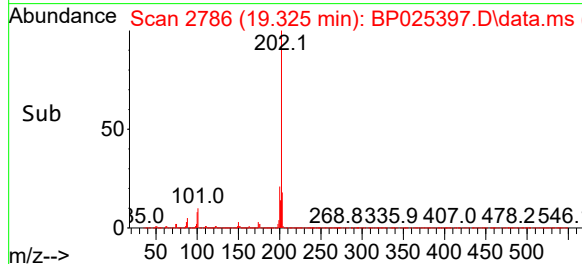
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 256370
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.1
203 17.5 0.0 37.3

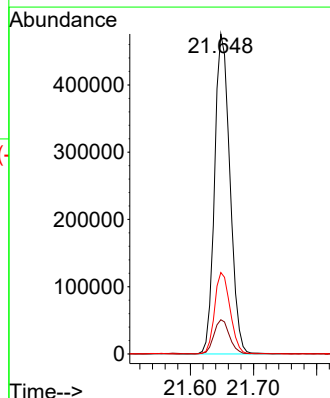
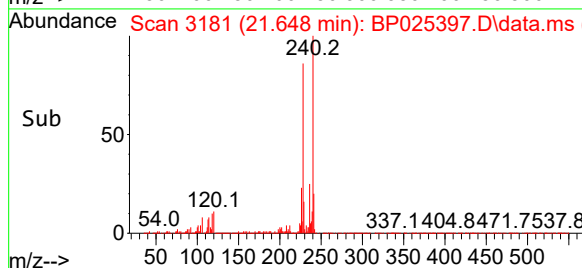
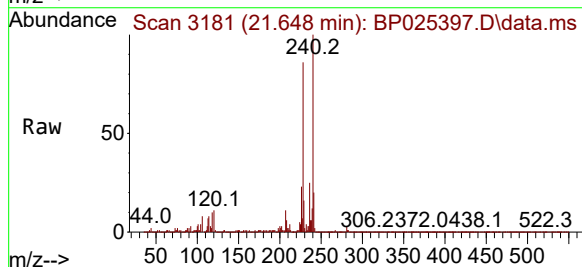
Manual Integrations
APPROVED

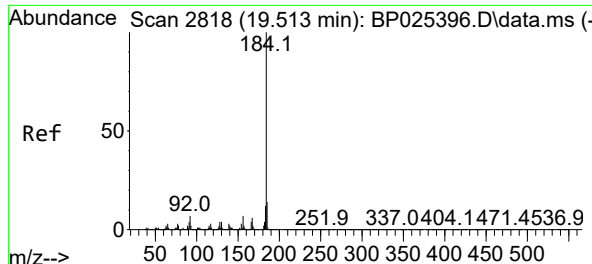
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

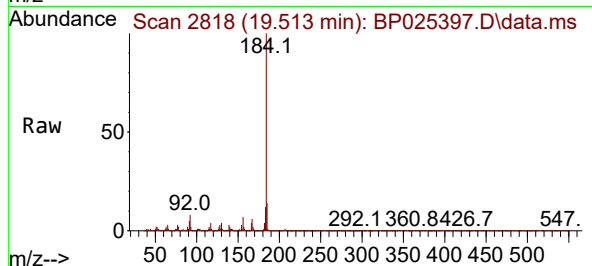
Tgt Ion:240 Resp: 801742
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.5 19.8 29.8





#77
Benzidine
Concen: 48.615 ng
RT: 19.513 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

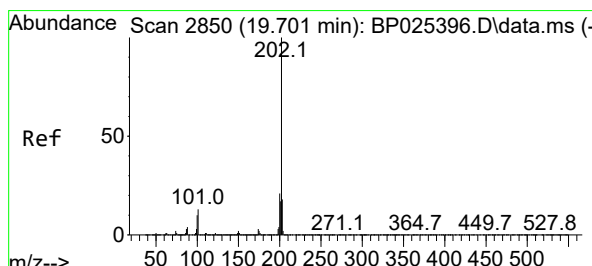
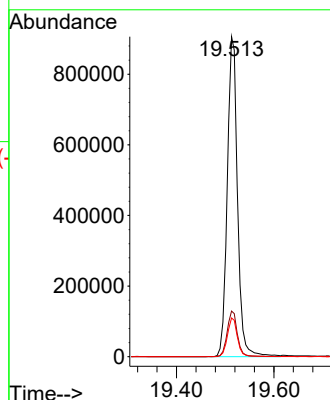
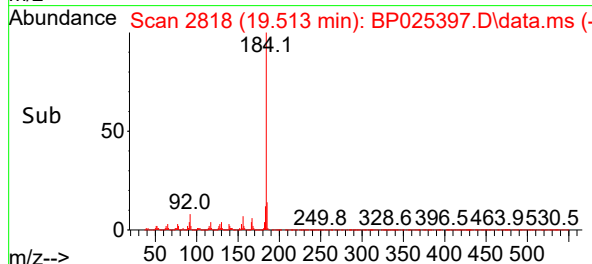
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 1330198
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 12.1 9.4 14.2

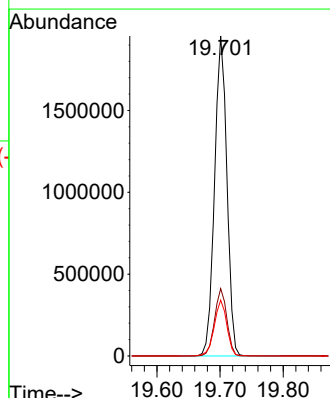
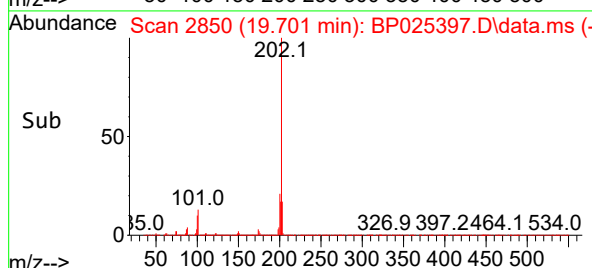
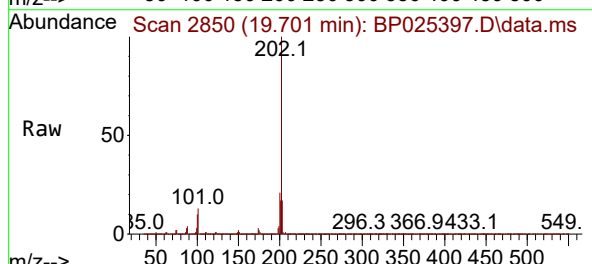
Manual Integrations
APPROVED

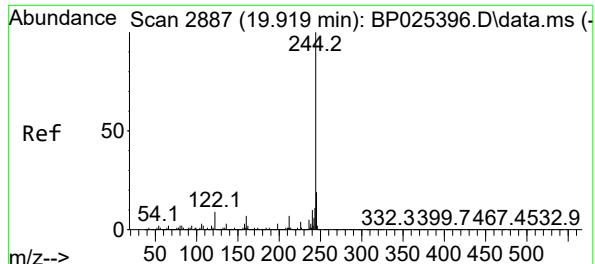
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#78
Pyrene
Concen: 50.754 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

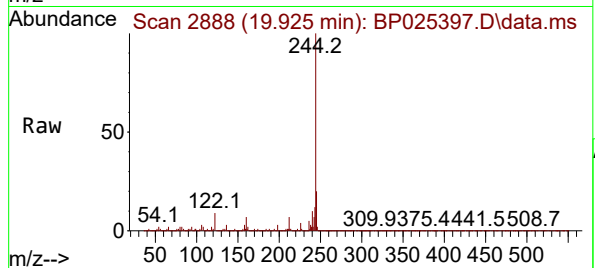
Tgt Ion:202 Resp: 2644850
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.4 14.2 21.2





#79
Terphenyl-d14
Concen: 100.615 ng
RT: 19.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

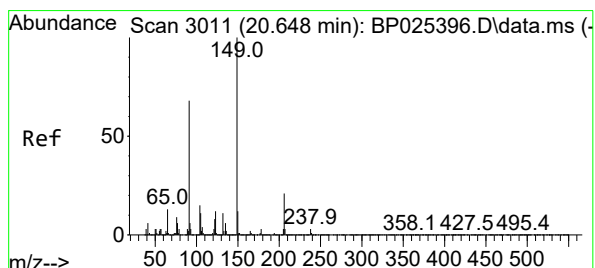
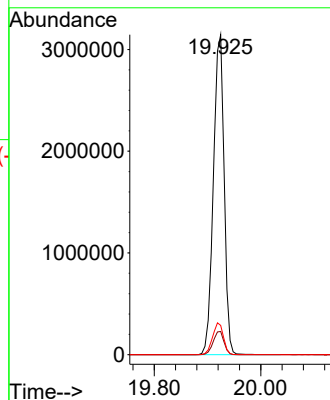
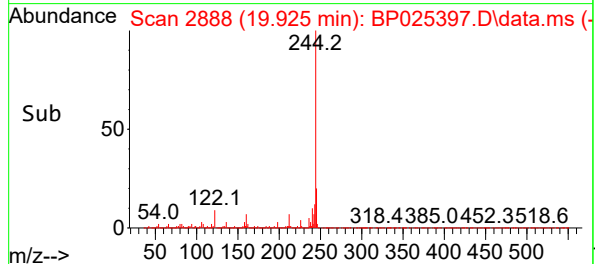
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



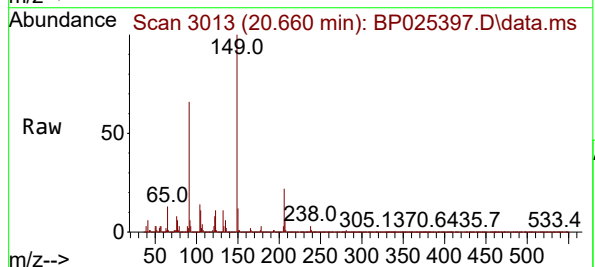
Tgt Ion:244 Resp: 4409094
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 9.2 7.4 11.2

Manual Integrations
APPROVED

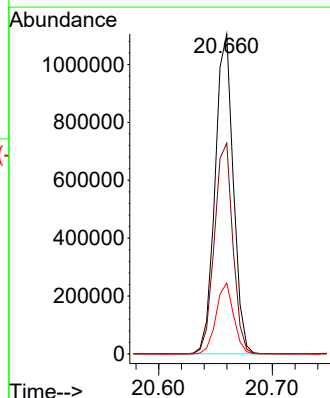
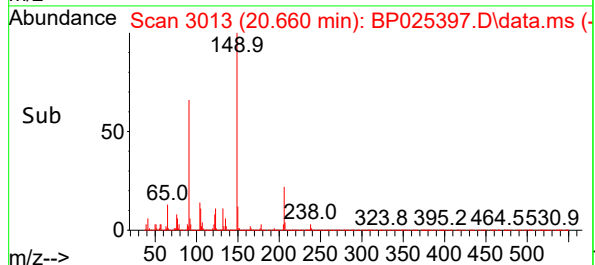
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

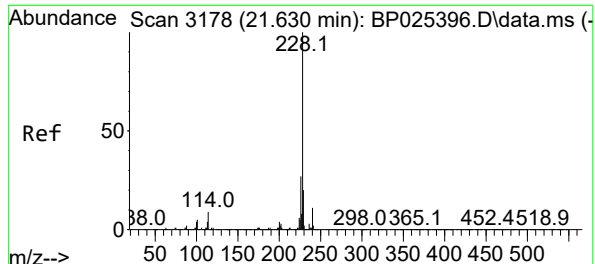


#80
Butylbenzylphthalate
Concen: 52.139 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



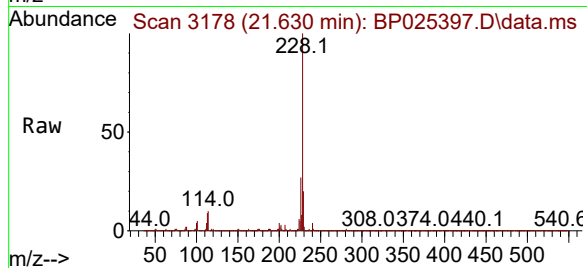
Tgt Ion:149 Resp: 1231376
Ion Ratio Lower Upper
149 100
91 65.9 54.2 81.2
206 22.2 16.6 24.8





#81
Benzo(a)anthracene
Concen: 51.499 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

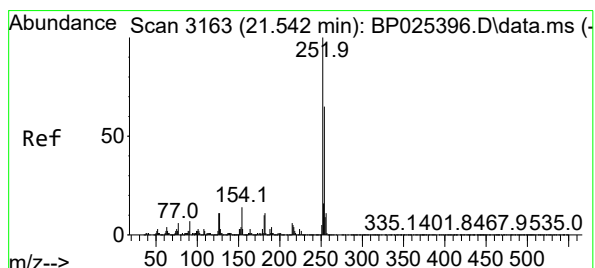
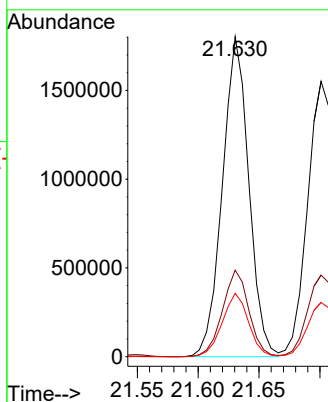
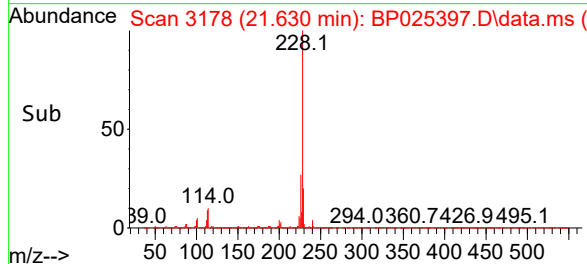
Instrument :
BNA_P
Client Sample Id :
SSTDICC050



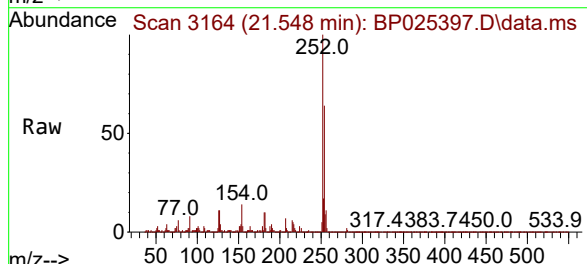
Tgt Ion: 228 Resp: 2723000
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.8 15.6 23.4

Manual Integrations
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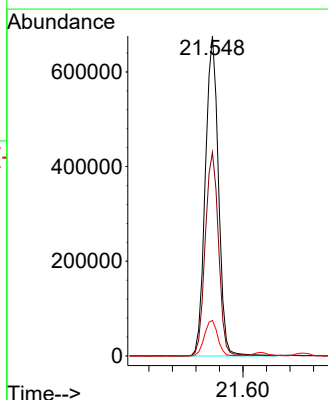
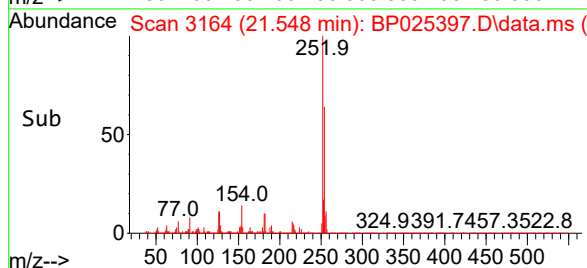
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

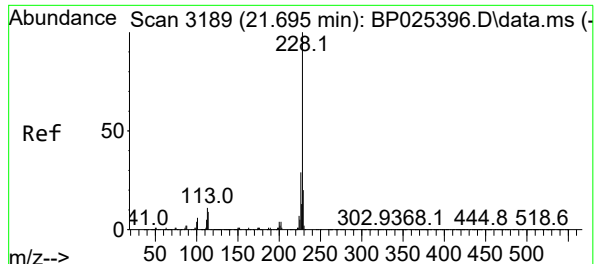


#82
3,3'-Dichlorobenzidine
Concen: 52.357 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



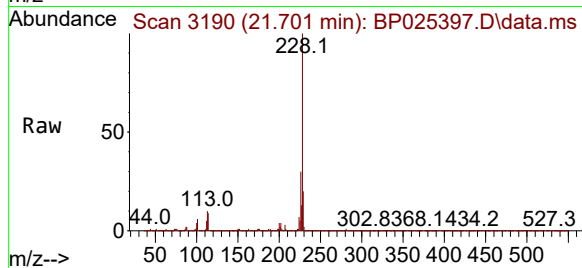
Tgt Ion: 252 Resp: 1043476
Ion Ratio Lower Upper
252 100
254 63.7 51.8 77.6
126 11.1 9.1 13.7





#83
Chrysene
Concen: 51.817 ng
RT: 21.701 min Scan# 3189
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

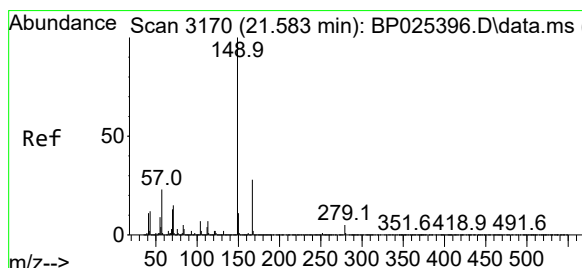
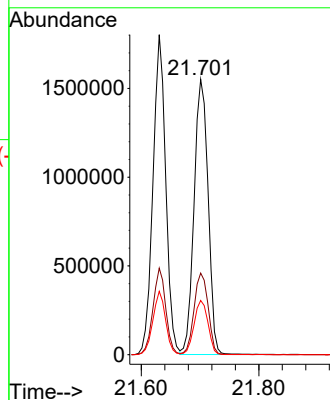
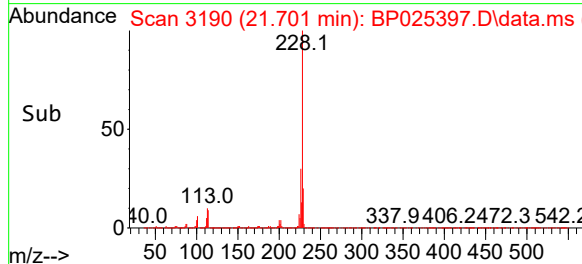
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 2565850
Ion Ratio Lower Upper
228 100
226 29.6 23.2 34.8
229 19.7 15.6 23.4

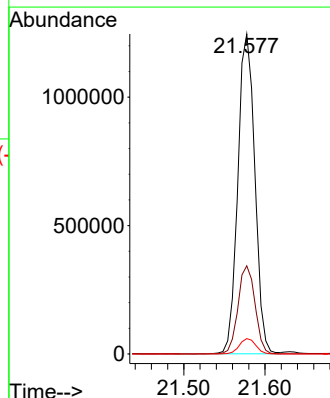
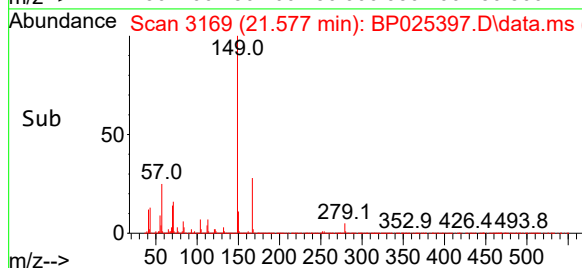
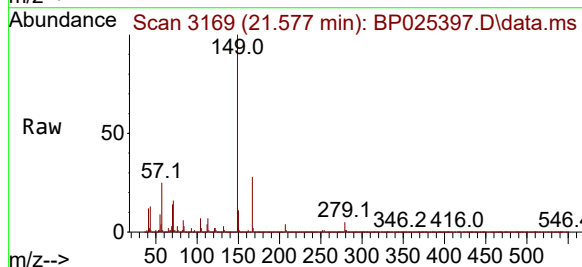
Manual Integrations
APPROVED

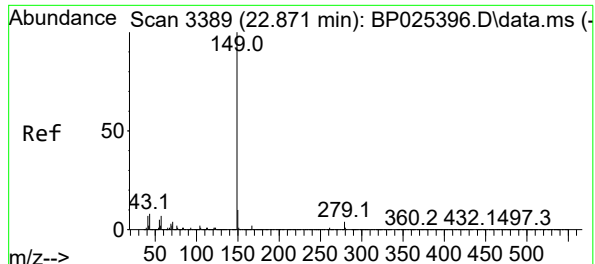
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.933 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

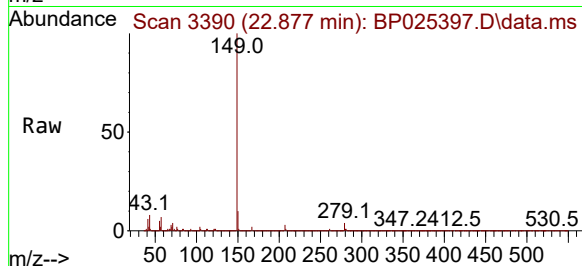
Tgt Ion:149 Resp: 1805478
Ion Ratio Lower Upper
149 100
167 27.6 22.1 33.1
279 4.8 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 52.690 ng
RT: 22.877 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

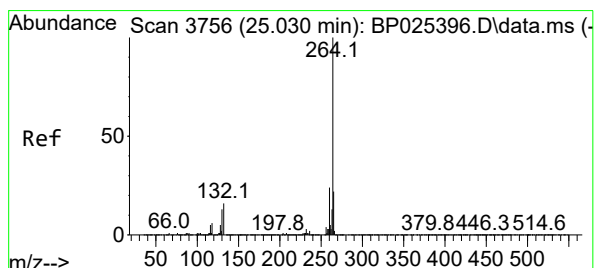
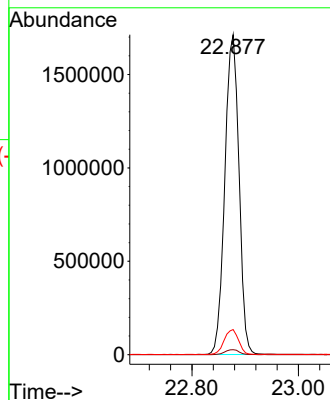
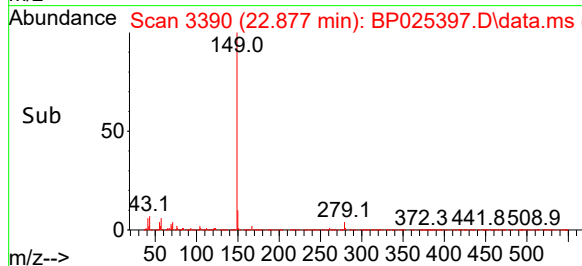
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 3150824
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.3 9.5

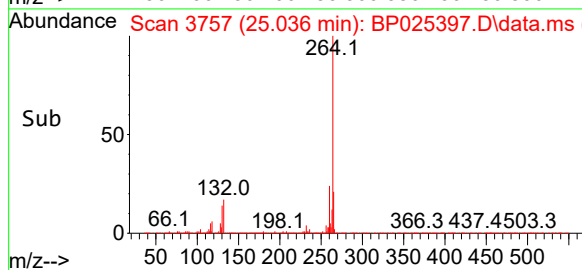
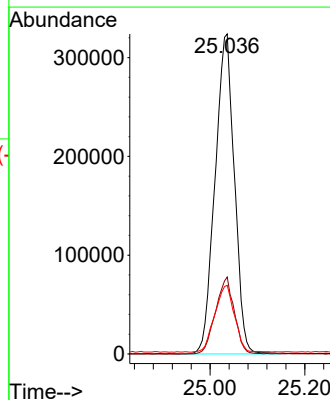
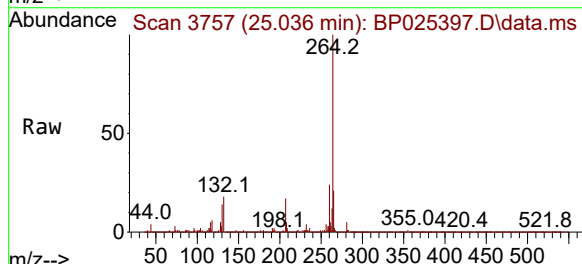
Manual Integrations
APPROVED

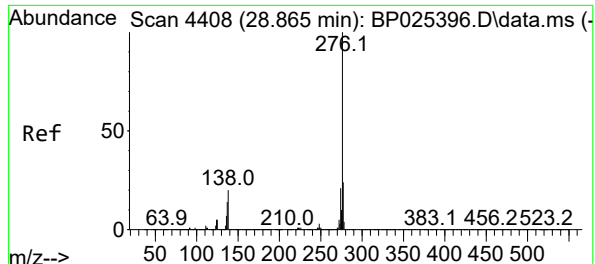
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:264 Resp: 918939
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.463 ng m

RT: 28.859 min Scan# 4408

Delta R.T. -0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:276 Resp: 3604179

Ion Ratio Lower Upper

276 100

138 8.3 12.9 19.3

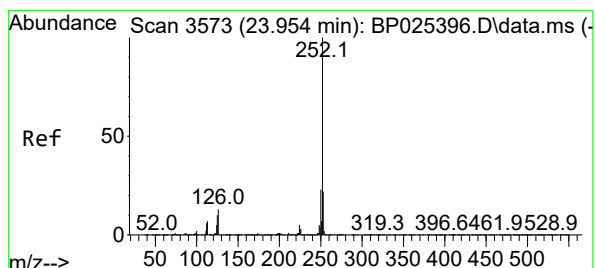
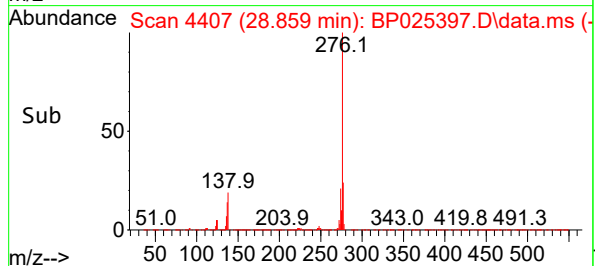
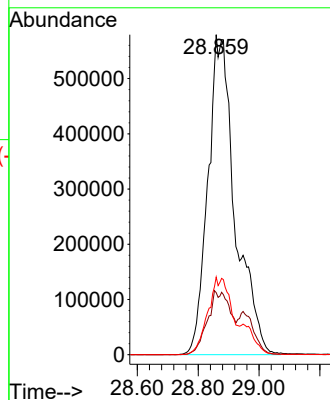
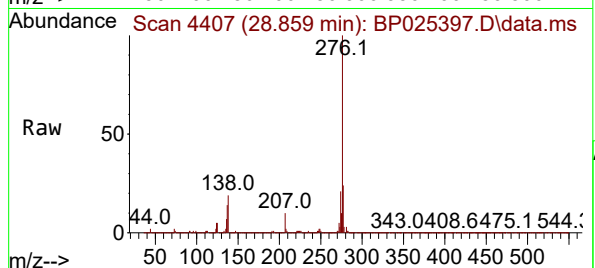
277 9.7 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 52.982 ng

RT: 23.960 min Scan# 3574

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

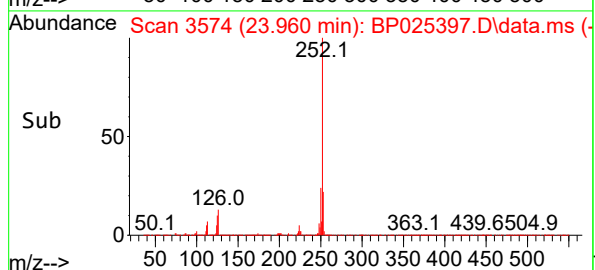
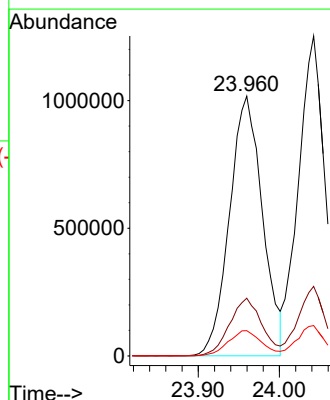
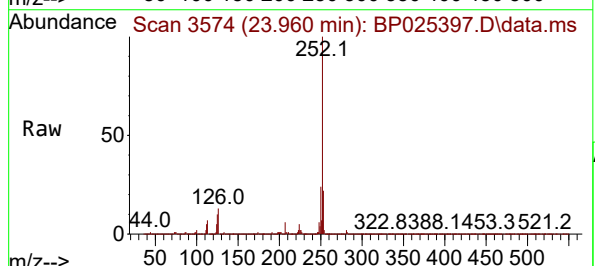
Tgt Ion:252 Resp: 2870971

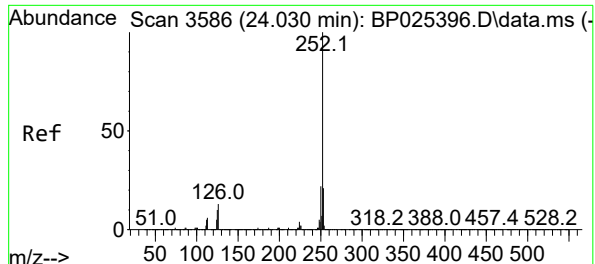
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 51.956 ng

RT: 24.042 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 2817270

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

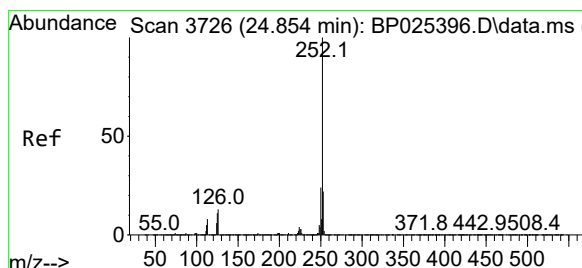
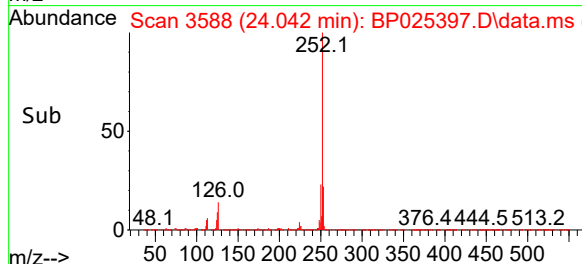
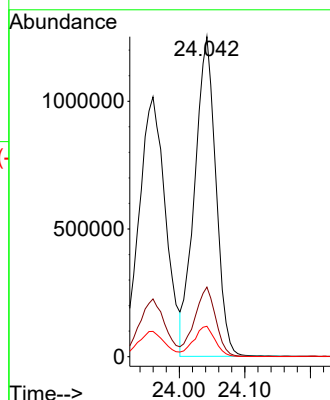
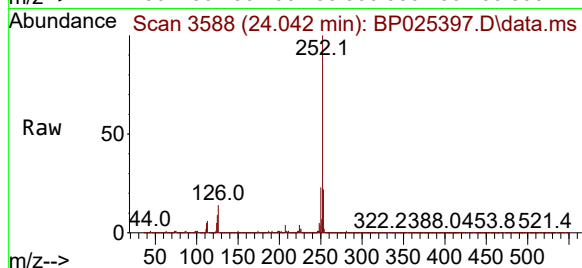
125 9.5 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 53.100 ng

RT: 24.877 min Scan# 3730

Delta R.T. 0.024 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

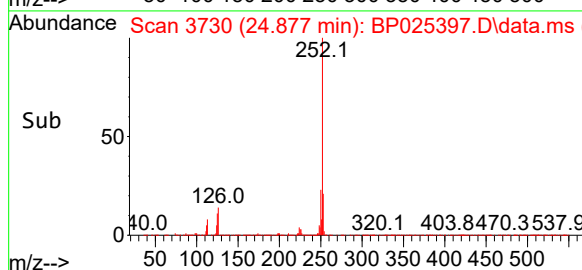
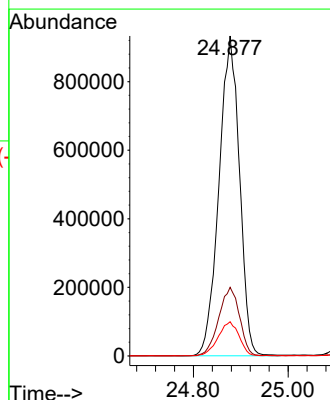
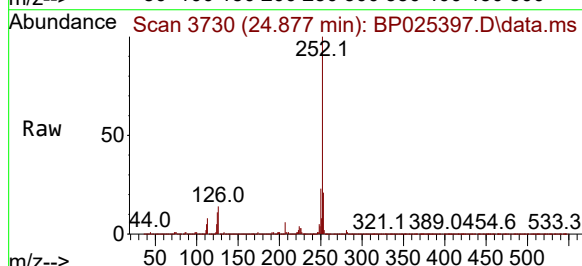
Tgt Ion:252 Resp: 2800880

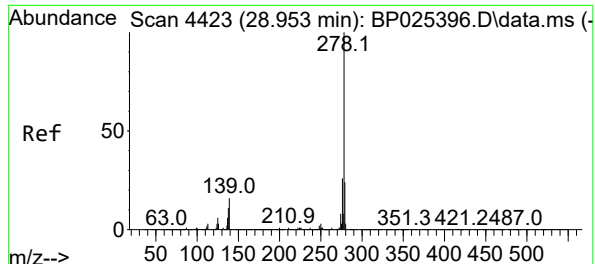
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

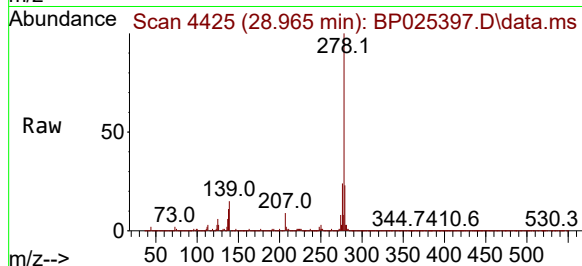
125 10.7 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 53.795 ng
RT: 28.965 min Scan# 4423
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

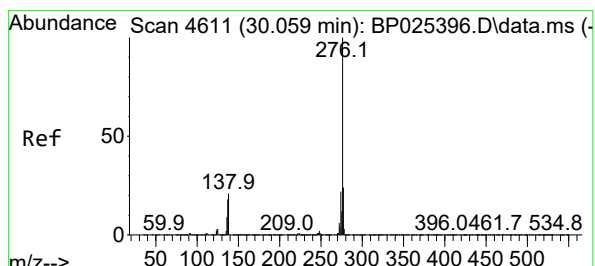
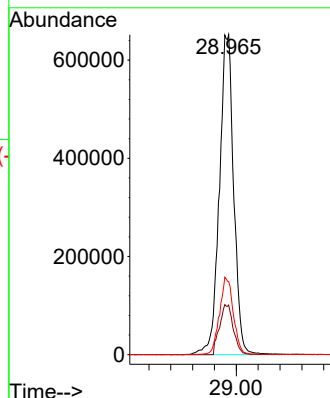
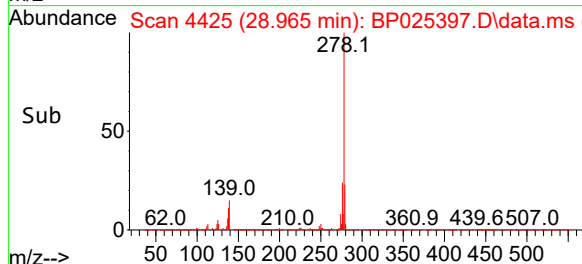
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



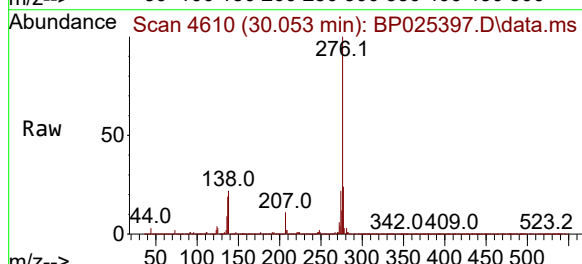
Tgt Ion: 278 Resp: 296262
Ion Ratio Lower Upper
278 100
139 15.5 13.0 19.4
279 22.9 19.4 29.2

Manual Integrations
APPROVED

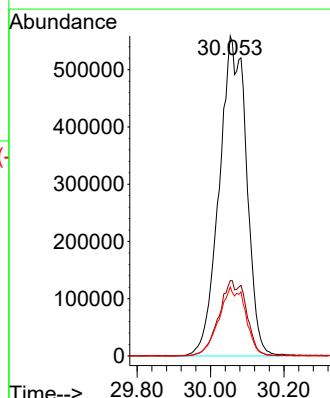
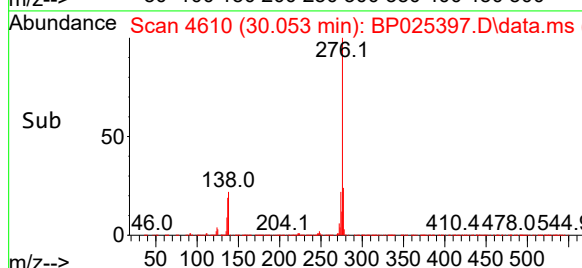
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 52.960 ng m
RT: 30.053 min Scan# 4610
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01



Tgt Ion: 276 Resp: 2866689
Ion Ratio Lower Upper
276 100
277 23.5 19.4 29.0
138 21.6 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025398.D
 Acq On : 14 Aug 2025 16:42
 Operator : CG/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

Quant Time: Aug 14 17:58:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	162248	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	693237	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	460439	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	923402	20.000	ng	0.01
76) Chrysene-d12	21.666	240	926019	20.000	ng	0.02
86) Perylene-d12	25.042	264	1081163	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1193329	122.144	ng	0.00
7) Phenol-d6	6.972	99	1566626	125.072	ng	0.00
23) Nitrobenzene-d5	8.931	82	1698557	123.944	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	760738	122.748	ng	0.01
45) 2-Fluorobiphenyl	13.025	172	3963871	117.656	ng	0.00
79) Terphenyl-d14	19.930	244	5896004	116.490	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	225015	58.799	ng	99
3) Pyridine	3.731	79	623639	59.539	ng	97
4) n-Nitrosodimethylamine	3.637	42	269971	62.518	ng	100
6) Aniline	7.125	93	1053232	62.408	ng	99
8) 2-Chlorophenol	7.366	128	688094	62.413	ng	100
9) Benzaldehyde	6.943	77	489205	55.745	ng	97
10) Phenol	7.002	94	821863	62.530	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	634374	61.925	ng	99
12) 1,3-Dichlorobenzene	7.684	146	744884	61.273	ng	99
13) 1,4-Dichlorobenzene	7.825	146	751354	60.469	ng	100
14) 1,2-Dichlorobenzene	8.143	146	723663	60.165	ng	99
15) Benzyl Alcohol	8.025	79	627198	63.019	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	846896	61.712	ng	99
17) 2-Methylphenol	8.225	107	579471	63.480	ng	99
18) Hexachloroethane	8.866	117	281129	61.535	ng	95
19) n-Nitroso-di-n-propyla...	8.590	70	507223	61.060	ng	98
20) 3+4-Methylphenols	8.555	107	798107	63.075	ng	96
22) Acetophenone	8.602	105	1051848	60.503	ng	# 99
24) Nitrobenzene	8.978	77	752762	61.461	ng	98
25) Isophorone	9.502	82	1475193	60.825	ng	99
26) 2-Nitrophenol	9.678	139	405821	64.564	ng	98
27) 2,4-Dimethylphenol	9.743	122	675186	62.463	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	894872	61.040	ng	99
29) 2,4-Dichlorophenol	10.213	162	673952	62.764	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	715954	60.823	ng	98
31) Naphthalene	10.613	128	2187912	60.722	ng	100
32) Benzoic acid	9.907	122	530609	66.651	ng	98
33) 4-Chloroaniline	10.713	127	993155	62.401	ng	99
34) Hexachlorobutadiene	10.901	225	442929	60.421	ng	100
35) Caprolactam	11.513	113	241521	61.340	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	764338	62.033	ng	98
37) 2-Methylnaphthalene	12.219	142	1418882	60.511	ng	99
38) 1-Methylnaphthalene	12.437	142	1494304	59.925	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	802737	60.365	ng	100
41) Hexachlorocyclopentadiene	12.572	237	536440	66.784	ng	99
43) 2,4,6-Trichlorophenol	12.831	196	564165	62.841	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025398.D
 Acq On : 14 Aug 2025 16:42
 Operator : CG/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

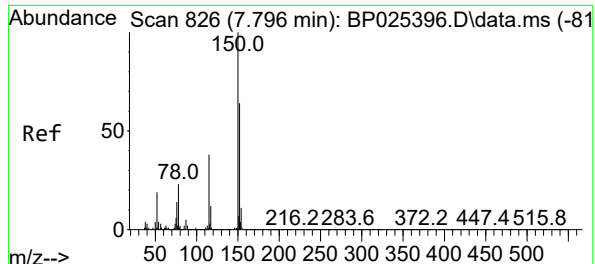
Quant Time: Aug 14 17:58:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	619246	62.937	ng	97
46) 1,1'-Biphenyl	13.237	154	1996186	59.695	ng	99
47) 2-Chloronaphthalene	13.272	162	1577577	60.600	ng	99
48) 2-Nitroaniline	13.472	65	485429	63.996	ng	100
49) Acenaphthylene	14.131	152	2634005	61.147	ng	99
50) Dimethylphthalate	13.866	163	2042324	60.572	ng	99
51) 2,6-Dinitrotoluene	13.972	165	446520	62.831	ng	100
52) Acenaphthene	14.478	154	1527191	60.399	ng	100
53) 3-Nitroaniline	14.301	138	506373	63.331	ng	96
54) 2,4-Dinitrophenol	14.519	184	265089	69.849	ng	98
55) Dibenzofuran	14.819	168	2387933	59.734	ng	100
56) 4-Nitrophenol	14.625	139	419801	63.893	ng	99
57) 2,4-Dinitrotoluene	14.778	165	650054	64.112	ng	96
58) Fluorene	15.478	166	1836972	58.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.042	232	541317	62.307	ng	100
60) Diethylphthalate	15.254	149	2015888	58.840	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	926280	59.044	ng	99
62) 4-Nitroaniline	15.489	138	510438	62.272	ng	99
63) Azobenzene	15.766	77	1796580	61.242	ng	99
65) 4,6-Dinitro-2-methylph...	15.554	198	385873	67.038	ng	98
66) n-Nitrosodiphenylamine	15.684	169	1674806	59.478	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	616767	60.731	ng	97
68) Hexachlorobenzene	16.501	284	711778	60.461	ng	100
69) Atrazine	16.666	200	633381	60.063	ng	99
70) Pentachlorophenol	16.854	266	474276	63.820	ng	97
71) Phenanthrene	17.260	178	3006132	59.263	ng	100
72) Anthracene	17.342	178	3050794	58.895	ng	99
73) Carbazole	17.625	167	2916606	59.776	ng	99
74) Di-n-butylphthalate	18.219	149	3560427	59.310	ng	100
75) Fluoranthene	19.342	202	3563798	58.899	ng	99
77) Benzidine	19.525	184	1690432	53.489	ng	99
78) Pyrene	19.713	202	3664453	60.883	ng	100
80) Butylbenzylphthalate	20.660	149	1710246	62.697	ng	99
81) Benzo(a)anthracene	21.648	228	3702064	60.619	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1405597	61.062	ng	100
83) Chrysene	21.707	228	3453736	60.387	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	2450963	61.038	ng	100
85) Di-n-octyl phthalate	22.883	149	4342211	62.869	ng	100
87) Indeno(1,2,3-cd)pyrene	28.901	276	4937235	62.248	ng	96
88) Benzo(b)fluoranthene	23.960	252	3883465	60.914	ng	99
89) Benzo(k)fluoranthene	24.036	252	3912900	61.334	ng	99
90) Benzo(a)pyrene	24.883	252	3845093	61.959	ng	99
91) Dibenzo(a,h)anthracene	28.977	278	4035414	62.280	ng	98
92) Benzo(g,h,i)perylene	30.083	276	3958545	62.159	ng	100

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

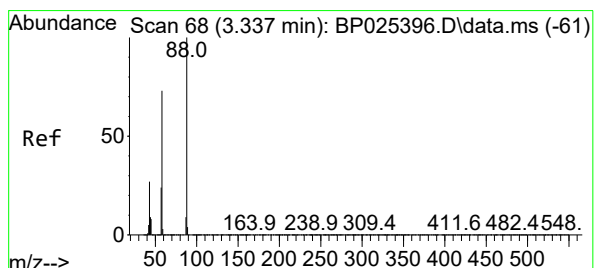
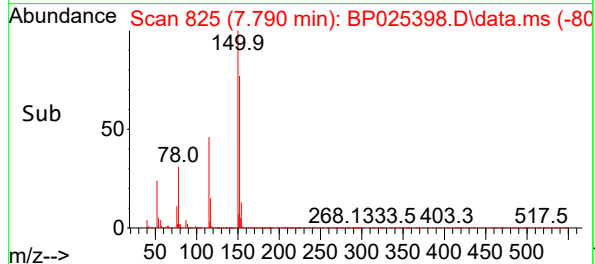
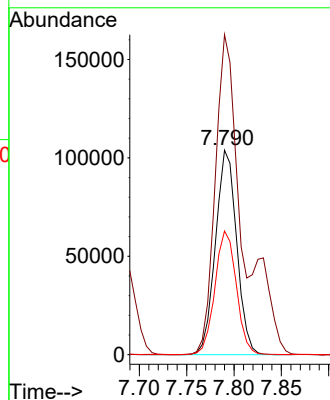
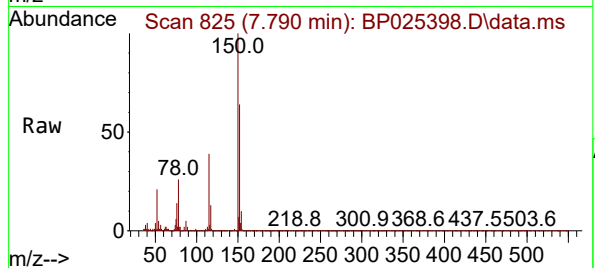
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- 2
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- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

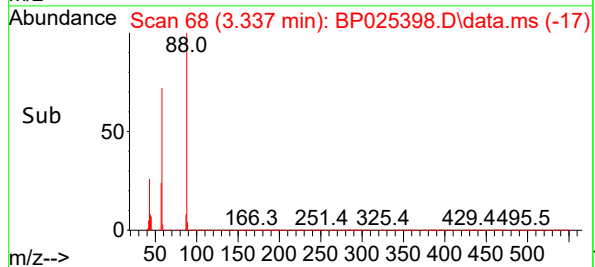
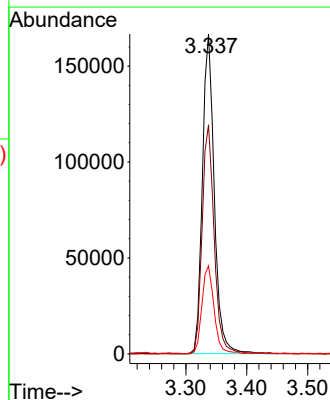
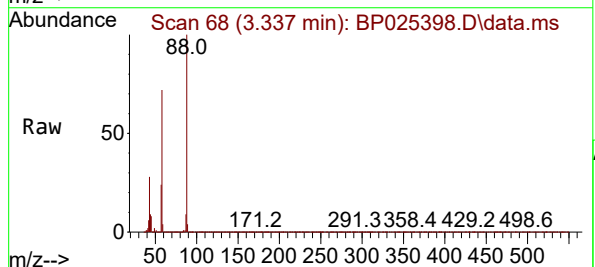
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

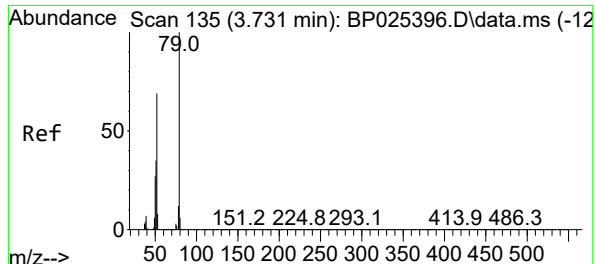
Tgt Ion:152 Resp: 162248
Ion Ratio Lower Upper
152 100
150 156.4 125.9 188.9
115 60.5 48.5 72.7



#2
1,4-Dioxane
Concen: 58.799 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 88 Resp: 225015
Ion Ratio Lower Upper
88 100
58 73.0 59.2 88.8
43 27.9 21.7 32.5





#3

Pyridine

Concen: 59.539 ng

RT: 3.731 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

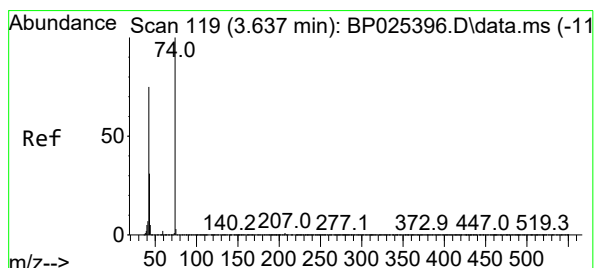
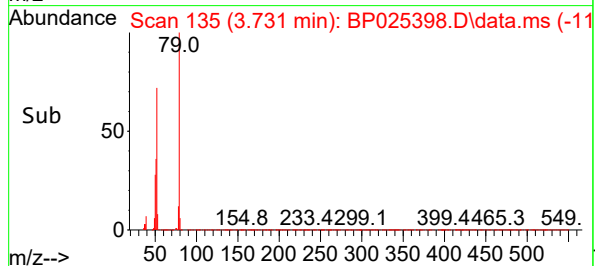
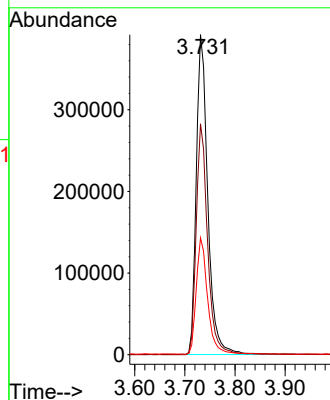
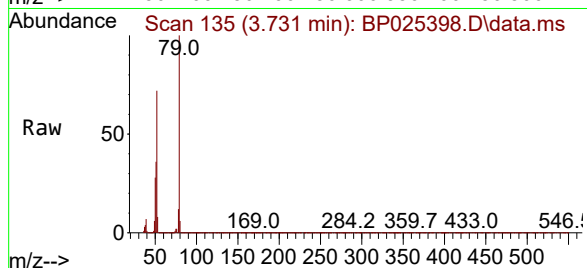
BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 623639

Ion	Ratio	Lower	Upper
79	100		
52	72.1	55.5	83.3
51	36.5	28.3	42.5



#4

n-Nitrosodimethylamine

Concen: 62.518 ng

RT: 3.637 min Scan# 119

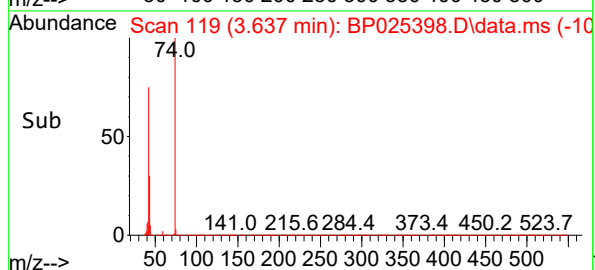
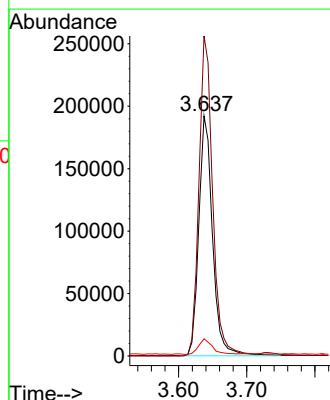
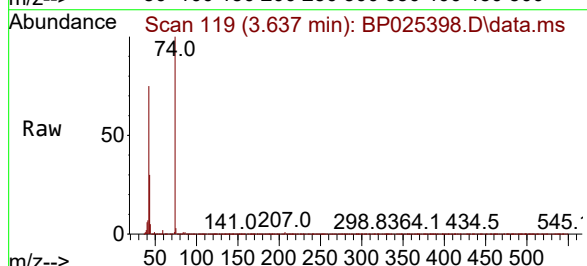
Delta R.T. 0.000 min

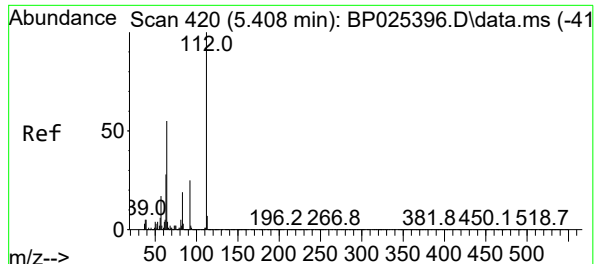
Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Tgt Ion: 42 Resp: 269971

Ion	Ratio	Lower	Upper
42	100		
74	133.4	107.0	160.4
44	7.2	6.2	9.4

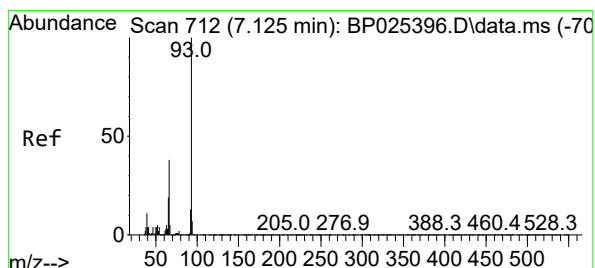
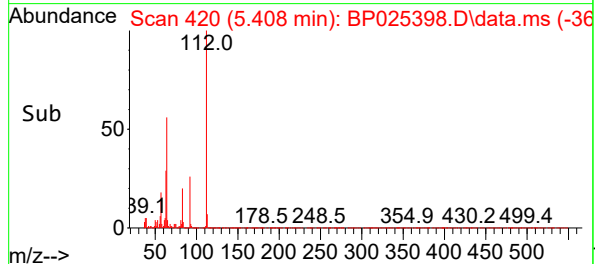
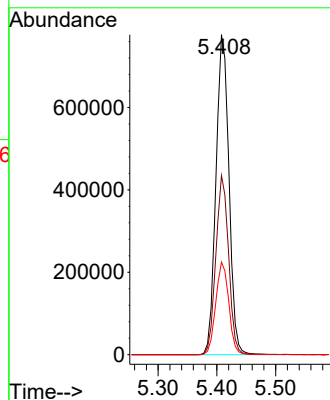
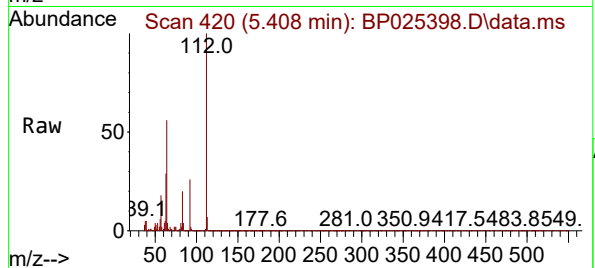




#5
2-Fluorophenol
Concen: 122.144 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

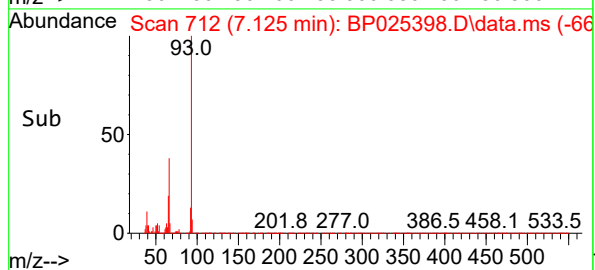
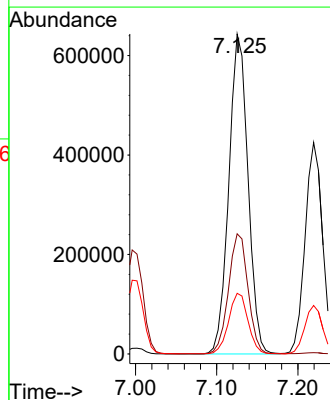
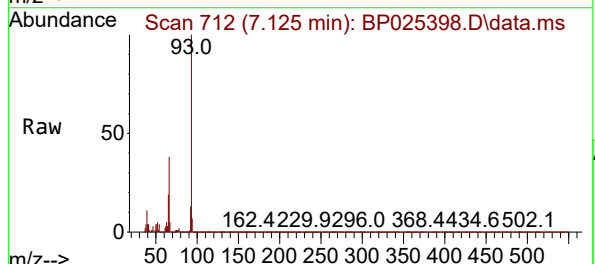
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

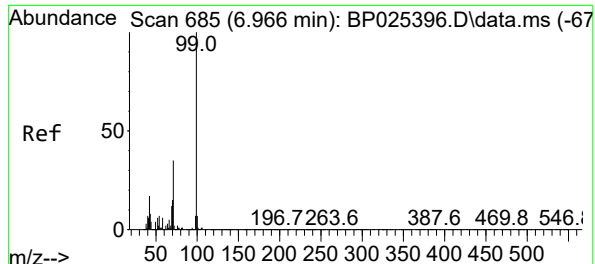
Tgt Ion:112 Resp: 1193329
Ion Ratio Lower Upper
112 100
64 56.0 43.8 65.8
63 29.0 22.7 34.1



#6
Aniline
Concen: 62.408 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 93 Resp: 1053232
Ion Ratio Lower Upper
93 100
66 37.5 30.4 45.6
65 18.9 15.3 22.9





#7

Phenol-d6

Concen: 125.072 ng

RT: 6.972 min Scan# 685

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

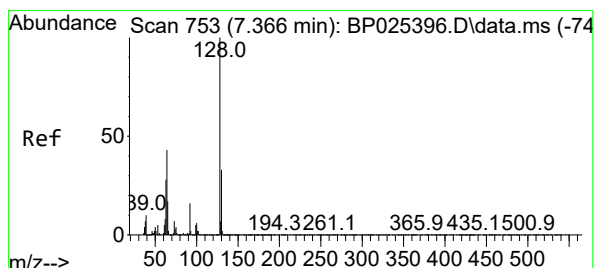
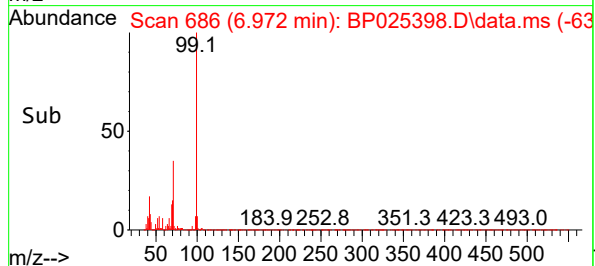
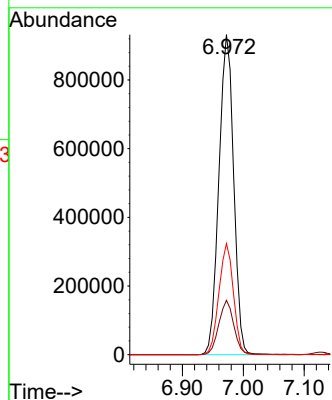
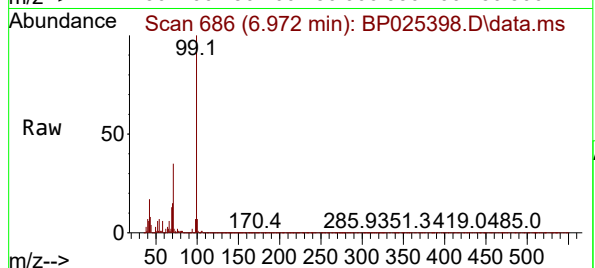
Tgt Ion: 99 Resp: 1566626

Ion Ratio Lower Upper

99 100

42 17.0 13.7 20.5

71 34.8 28.2 42.4



#8

2-Chlorophenol

Concen: 62.413 ng

RT: 7.366 min Scan# 753

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

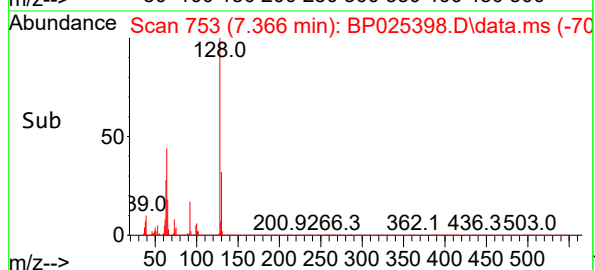
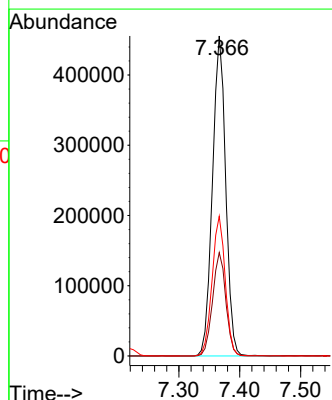
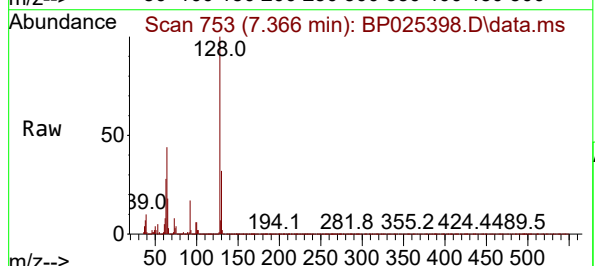
Tgt Ion:128 Resp: 688094

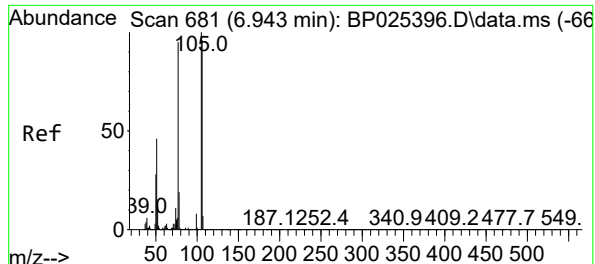
Ion Ratio Lower Upper

128 100

130 32.3 12.6 52.6

64 43.7 23.4 63.4





#9

Benzaldehyde

Concen: 55.745 ng

RT: 6.943 min Scan# 681

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

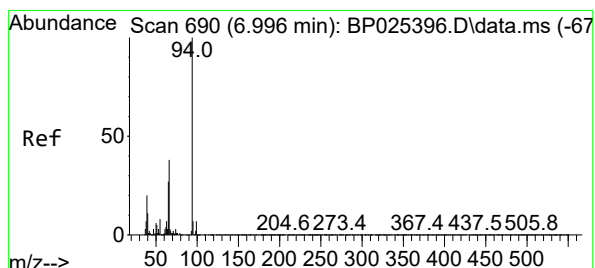
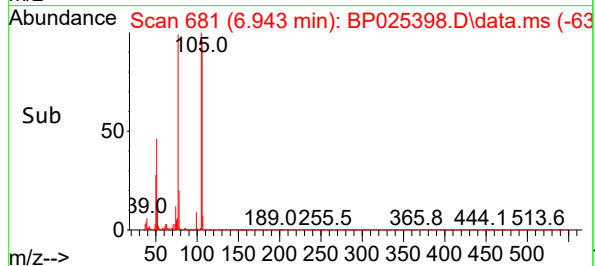
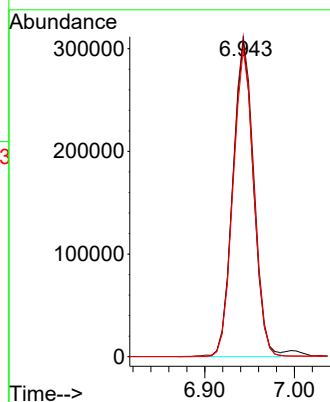
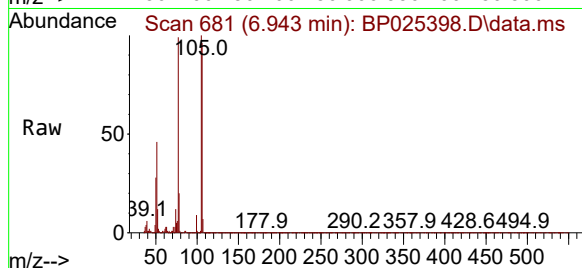
Tgt Ion: 77 Resp: 489205

Ion Ratio Lower Upper

77 100

105 101.4 84.8 124.8

106 97.4 80.5 120.5



#10

Phenol

Concen: 62.530 ng

RT: 7.002 min Scan# 691

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

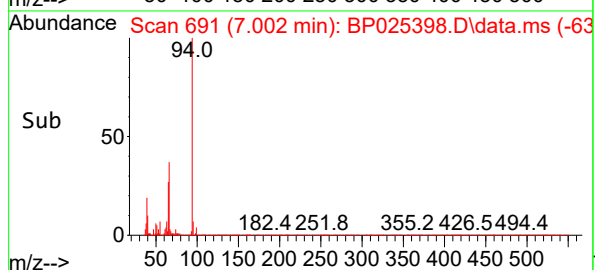
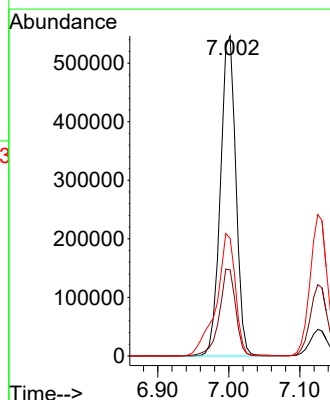
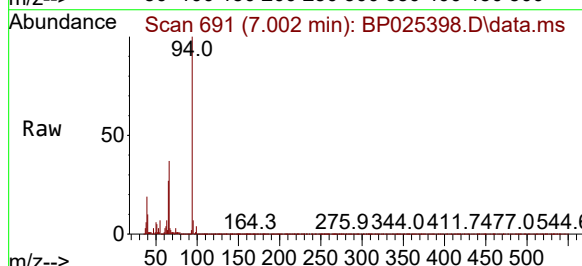
Tgt Ion: 94 Resp: 821863

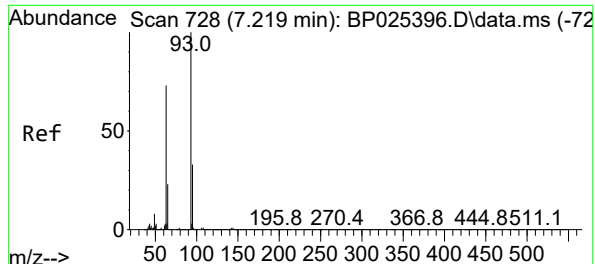
Ion Ratio Lower Upper

94 100

65 26.9 6.8 46.8

66 36.8 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 61.925 ng

RT: 7.219 min Scan# 71

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

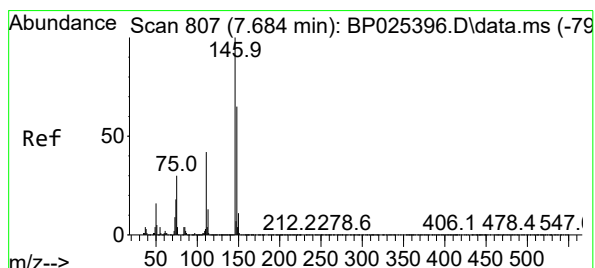
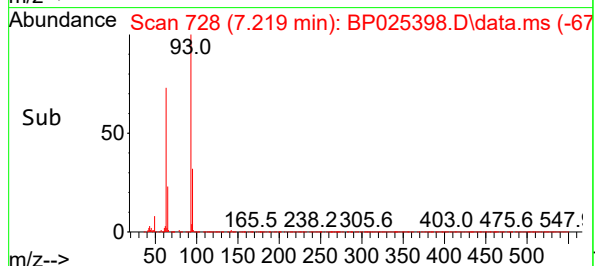
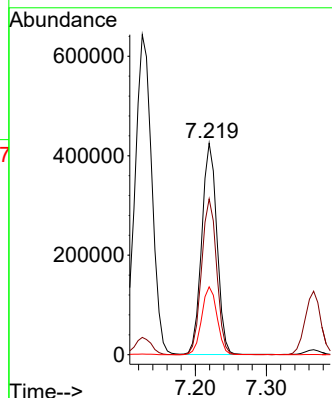
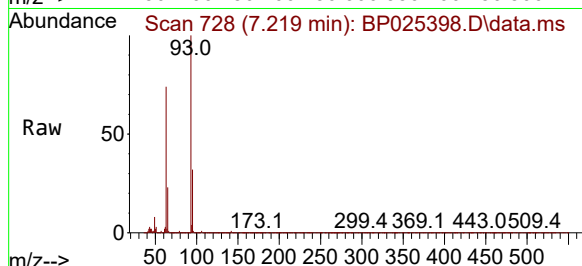
Tgt Ion: 93 Resp: 634374

Ion Ratio Lower Upper

93 100

63 73.6 52.6 92.6

95 32.0 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 61.273 ng

RT: 7.684 min Scan# 807

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

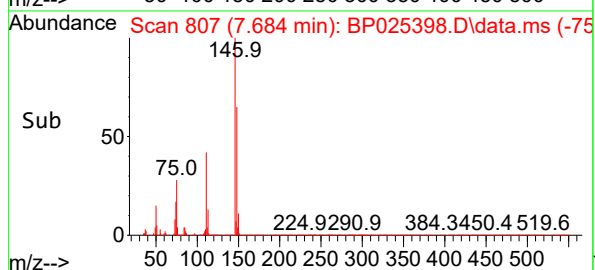
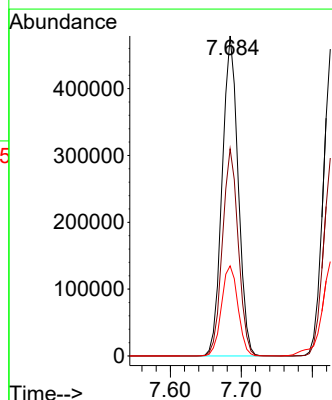
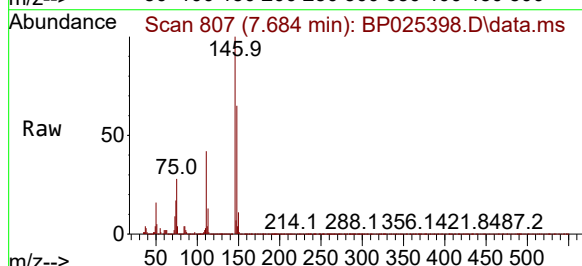
Tgt Ion: 146 Resp: 744884

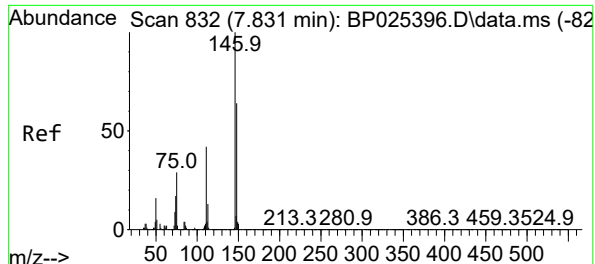
Ion Ratio Lower Upper

146 100

148 64.8 51.9 77.9

75 28.2 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 60.469 ng

RT: 7.825 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

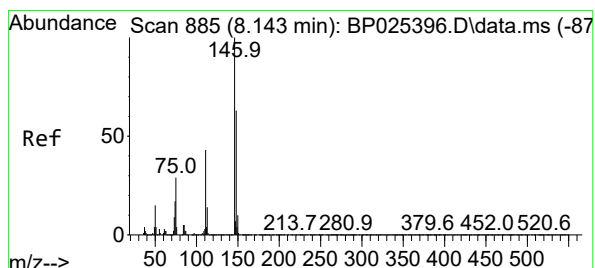
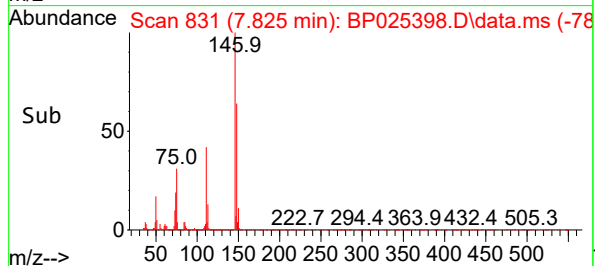
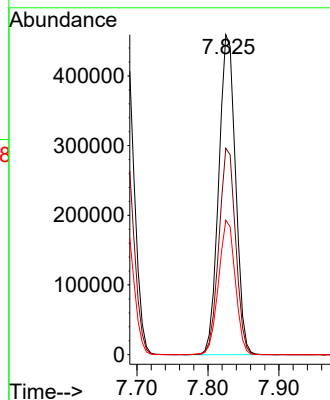
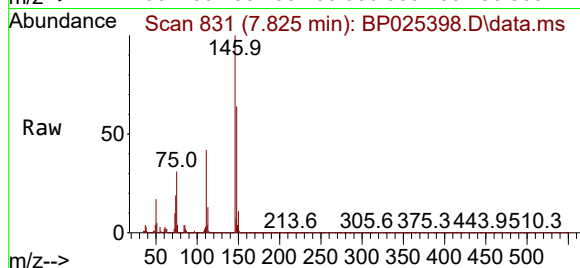
Tgt Ion:146 Resp: 751354

Ion Ratio Lower Upper

146 100

148 64.5 51.6 77.4

111 42.0 33.4 50.0



#14

1,2-Dichlorobenzene

Concen: 60.165 ng

RT: 8.143 min Scan# 885

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

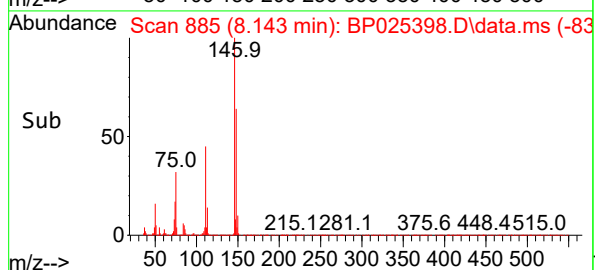
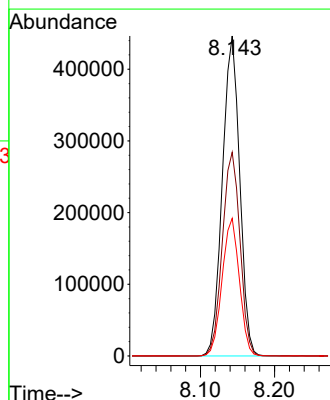
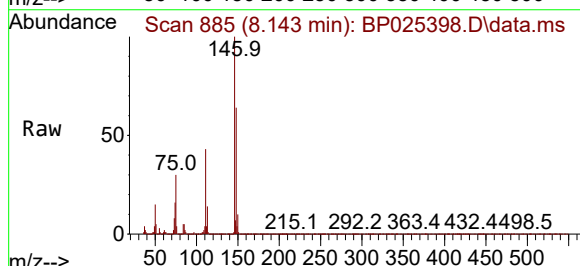
Tgt Ion:146 Resp: 723663

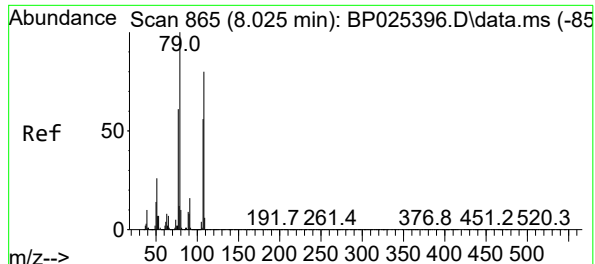
Ion Ratio Lower Upper

146 100

148 63.6 50.4 75.6

111 43.0 34.5 51.7





#15

Benzyl Alcohol

Concen: 63.019 ng

RT: 8.025 min Scan# 80

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

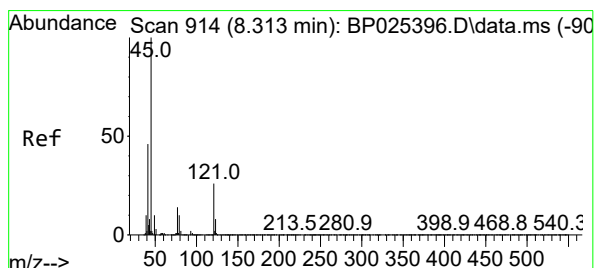
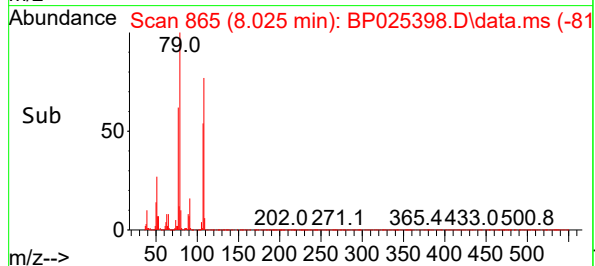
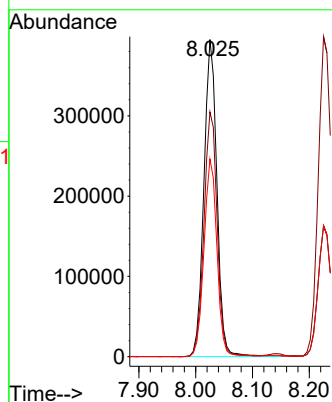
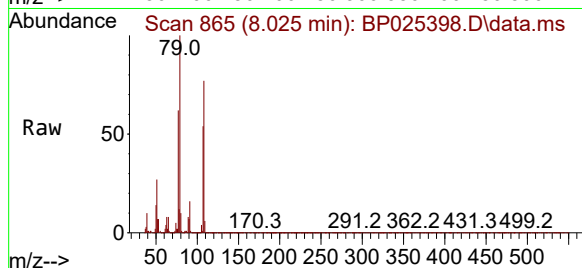
Tgt Ion: 79 Resp: 627198

Ion Ratio Lower Upper

79 100

108 77.2 63.8 95.6

77 62.3 49.0 73.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 61.712 ng

RT: 8.313 min Scan# 914

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

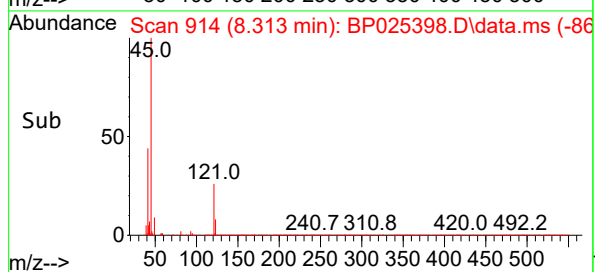
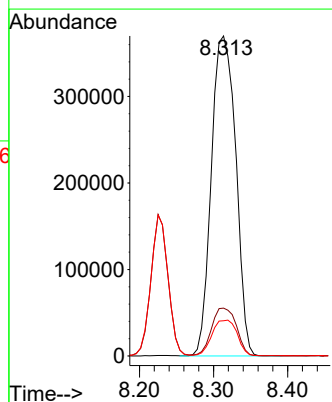
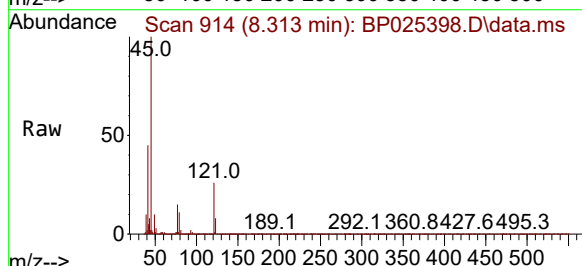
Tgt Ion: 45 Resp: 846896

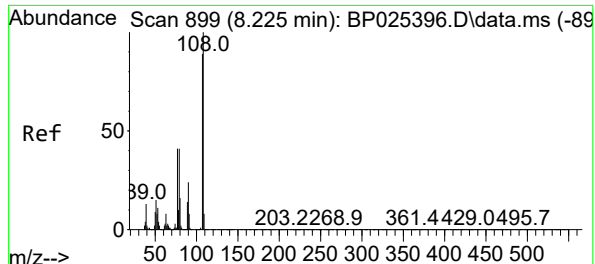
Ion Ratio Lower Upper

45 100

77 14.9 0.0 35.3

79 11.0 0.0 31.8





#17

2-Methylphenol

Concen: 63.480 ng

RT: 8.225 min Scan# 899

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:107 Resp: 579471

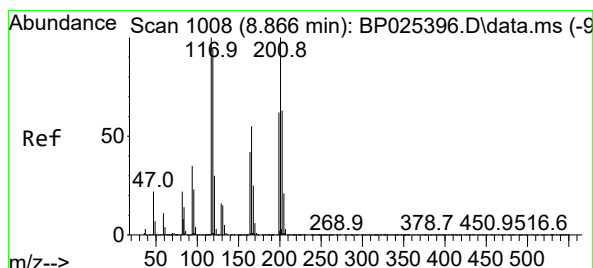
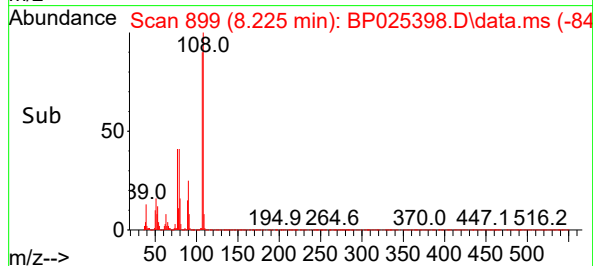
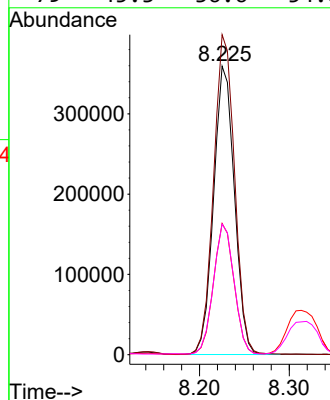
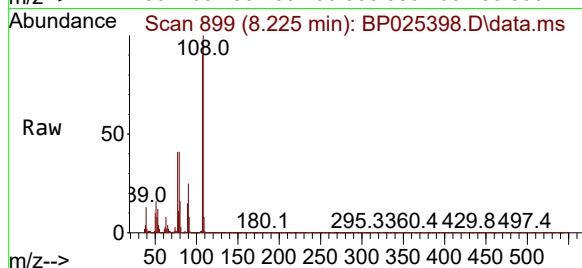
Ion Ratio Lower Upper

107 100

108 110.9 89.4 134.0

77 45.5 36.3 54.5

79 45.3 36.6 54.8



#18

Hexachloroethane

Concen: 61.535 ng

RT: 8.866 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

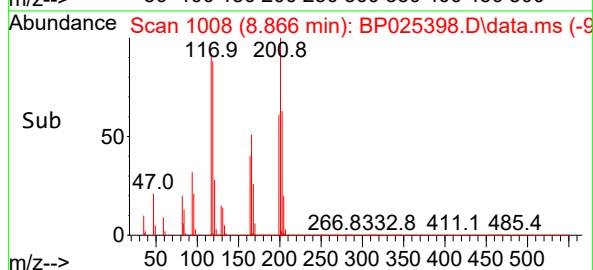
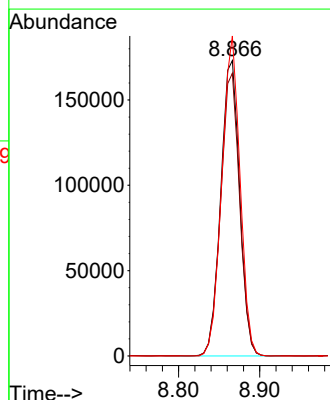
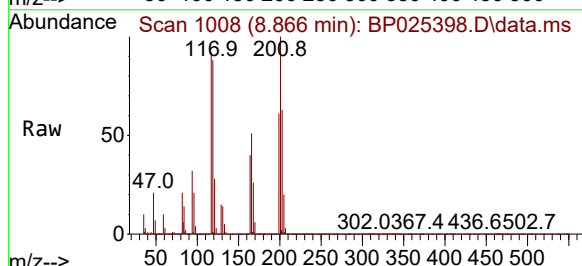
Tgt Ion:117 Resp: 281129

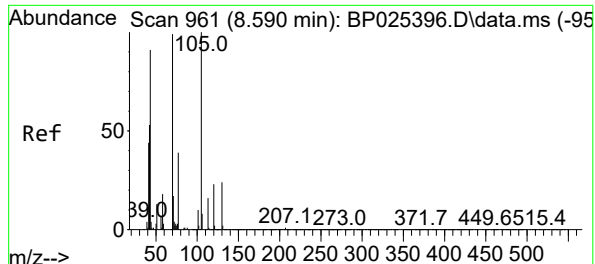
Ion Ratio Lower Upper

117 100

119 95.7 75.1 112.7

201 108.4 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 61.060 ng

RT: 8.590 min Scan# 961

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 507223

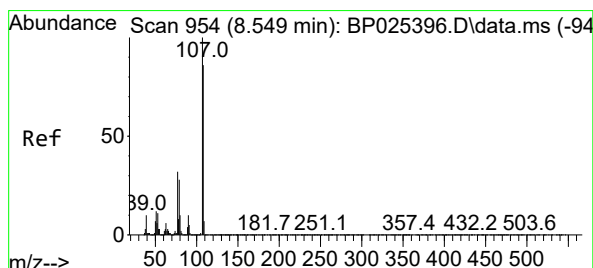
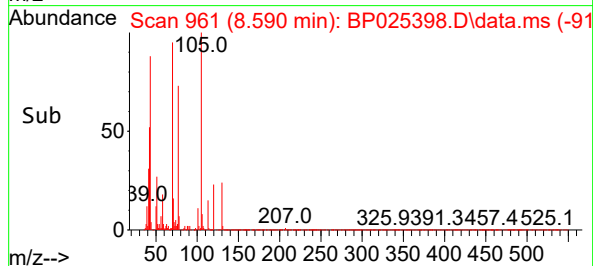
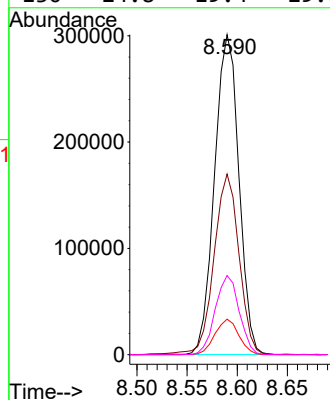
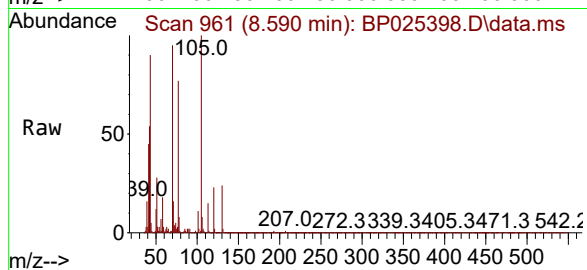
Ion Ratio Lower Upper

70 100

42 56.5 43.8 65.6

101 11.1 8.5 12.7

130 24.8 19.4 29.0



#20

3+4-Methylphenols

Concen: 63.075 ng

RT: 8.555 min Scan# 955

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Tgt Ion: 107 Resp: 798107

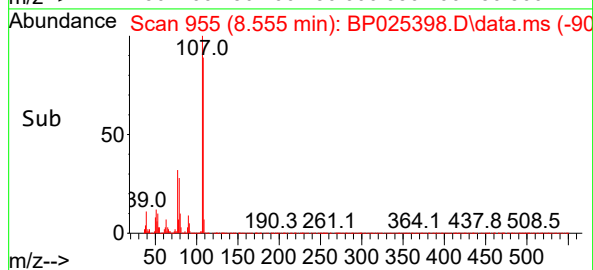
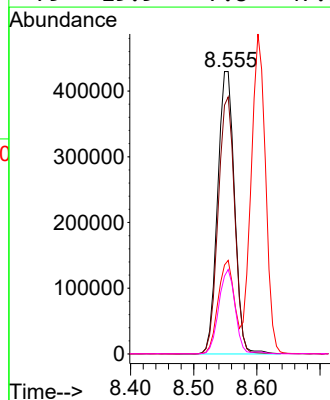
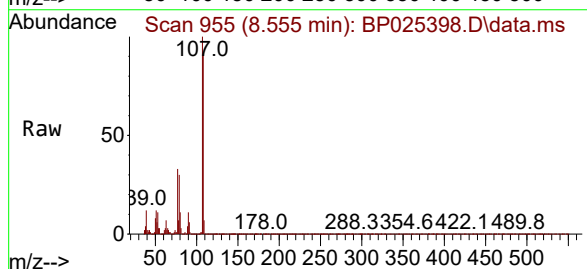
Ion Ratio Lower Upper

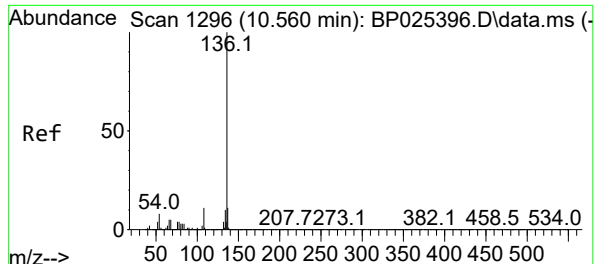
107 100

108 91.0 66.3 106.3

77 33.1 12.3 52.3

79 29.9 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.566 min Scan# 1296

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:136 Resp: 693237

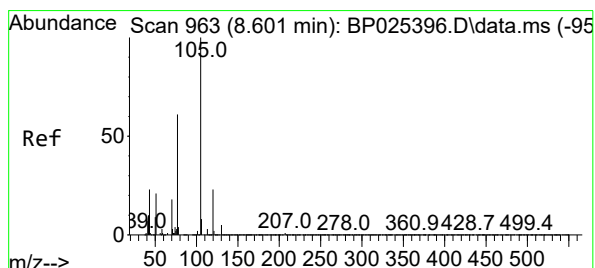
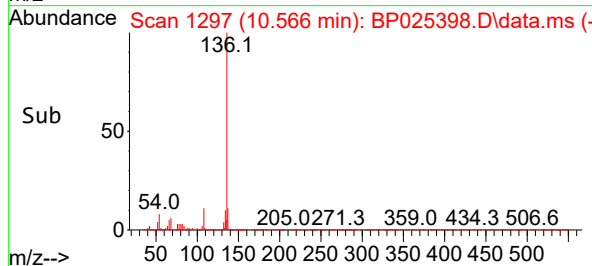
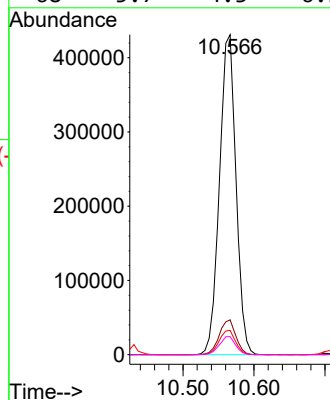
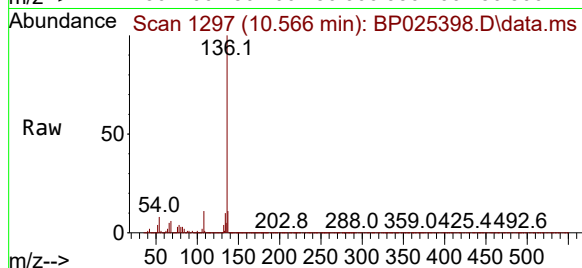
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 7.6 6.0 9.0

68 5.7 4.3 6.5



#22

Acetophenone

Concen: 60.503 ng

RT: 8.602 min Scan# 963

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Tgt Ion:105 Resp: 1051848

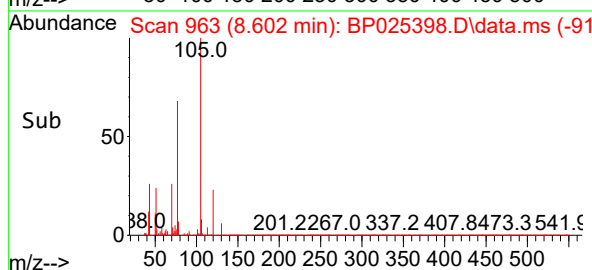
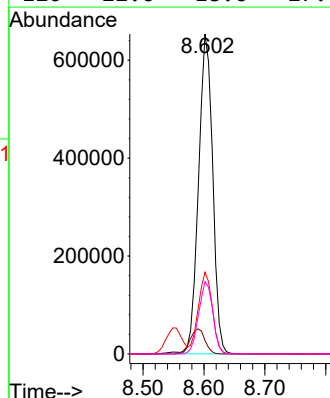
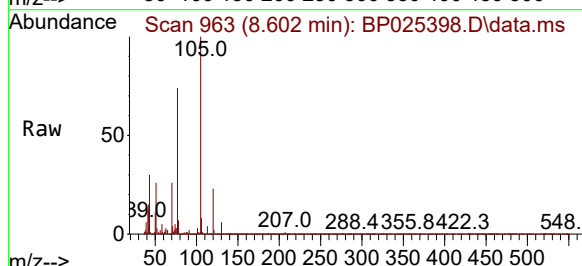
Ion Ratio Lower Upper

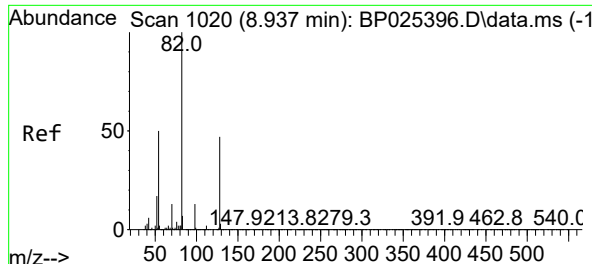
105 100

71 4.2 2.6 4.0#

51 25.5 20.6 30.8

120 22.6 18.6 27.8





#23

Nitrobenzene-d5

Concen: 123.944 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

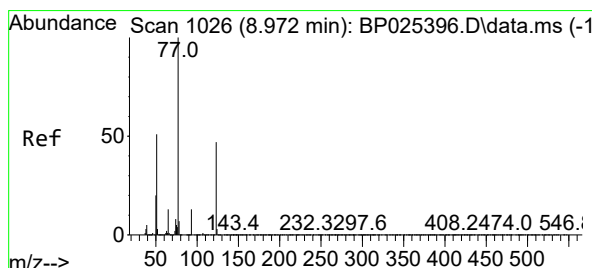
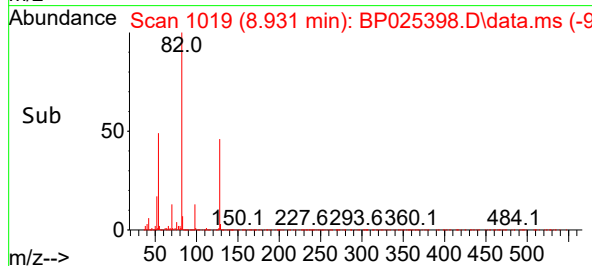
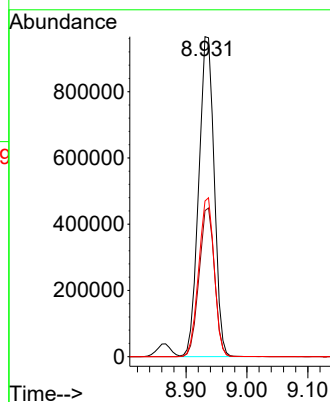
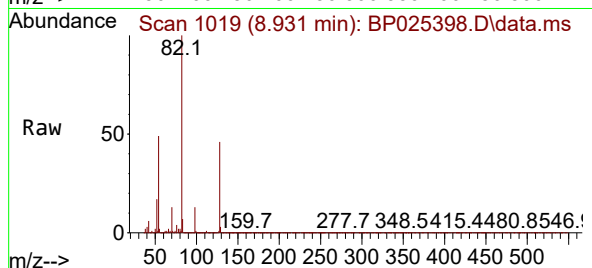
Tgt Ion: 82 Resp: 1698557

Ion Ratio Lower Upper

82 100

128 45.7 37.7 56.5

54 48.6 39.8 59.6



#24

Nitrobenzene

Concen: 61.461 ng

RT: 8.978 min Scan# 1027

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

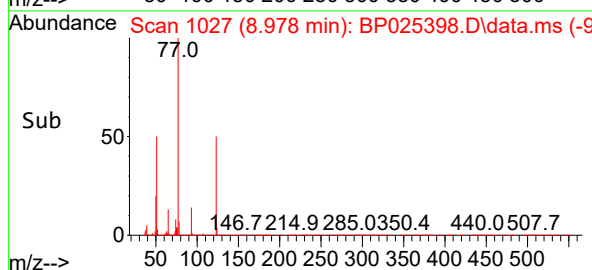
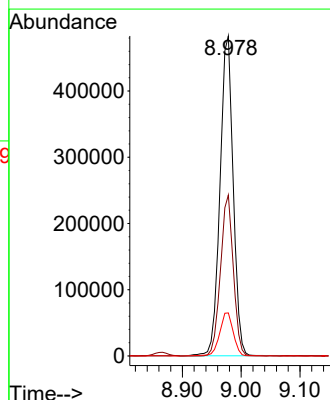
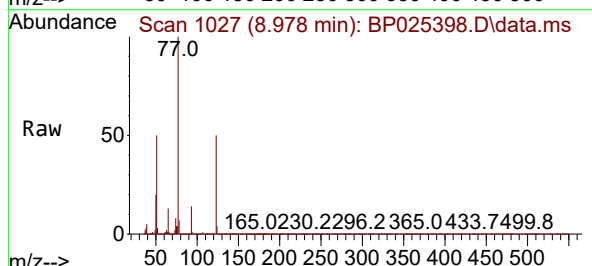
Tgt Ion: 77 Resp: 752762

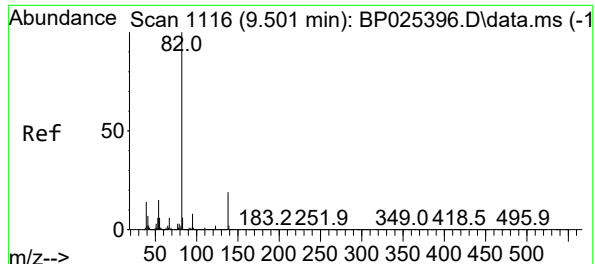
Ion Ratio Lower Upper

77 100

123 50.3 38.6 58.0

65 13.4 10.6 15.8





#25

Isophorone

Concen: 60.825 ng

RT: 9.502 min Scan# 1116

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

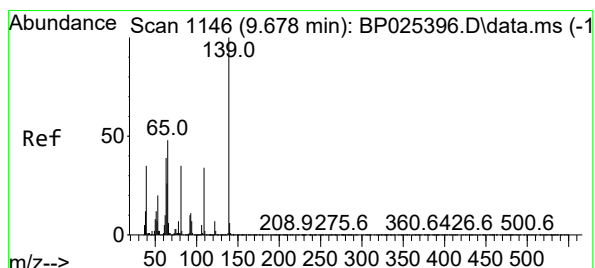
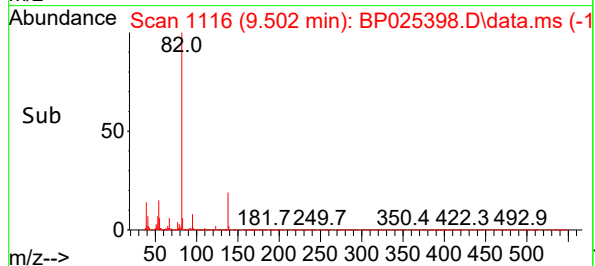
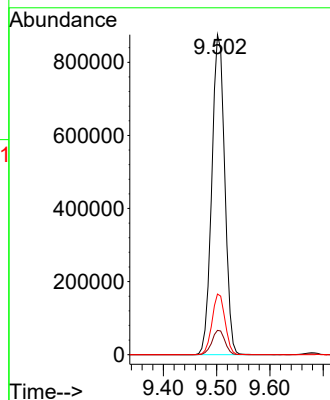
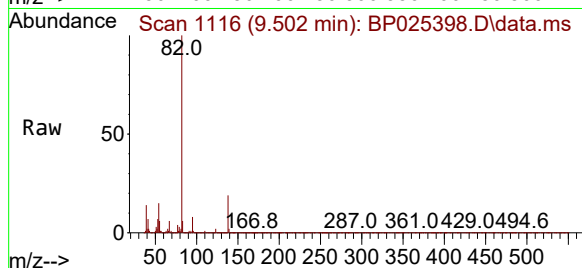
Tgt Ion: 82 Resp: 1475193

Ion Ratio Lower Upper

82 100

95 7.6 6.4 9.6

138 19.0 15.4 23.0



#26

2-Nitrophenol

Concen: 64.564 ng

RT: 9.678 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

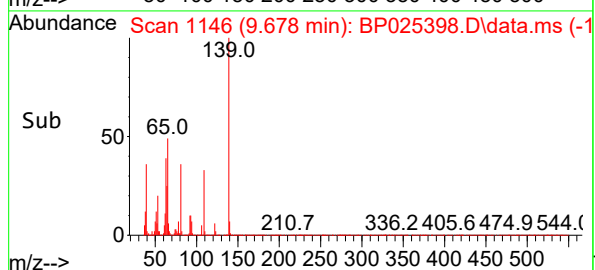
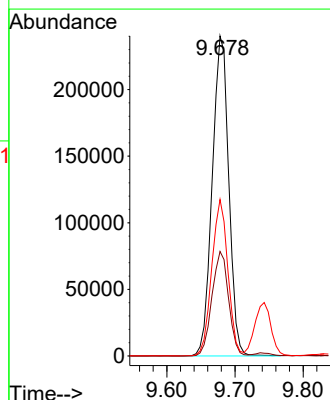
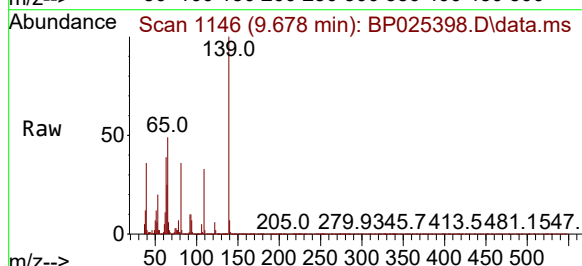
Tgt Ion: 139 Resp: 405821

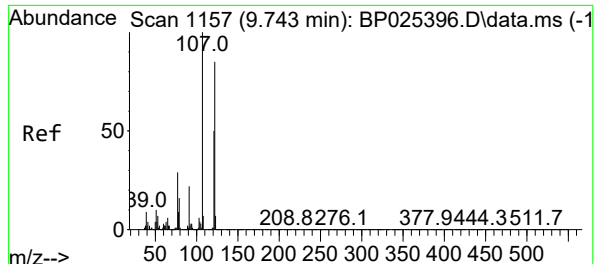
Ion Ratio Lower Upper

139 100

109 32.7 26.9 40.3

65 48.9 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 62.463 ng

RT: 9.743 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

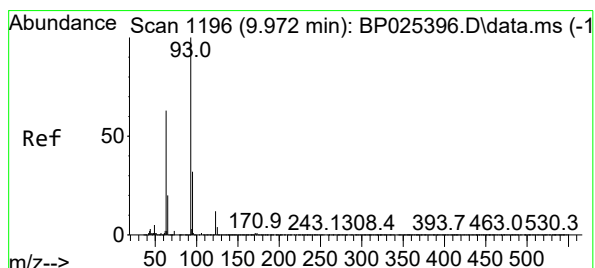
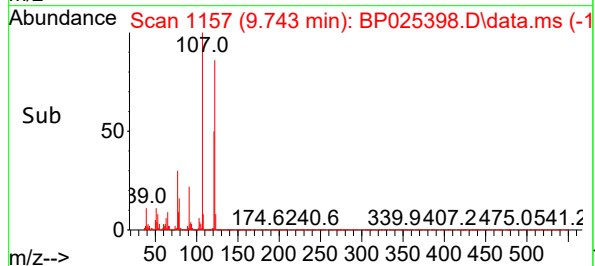
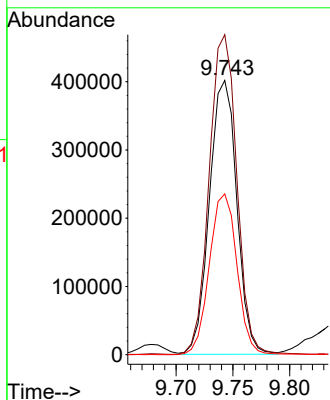
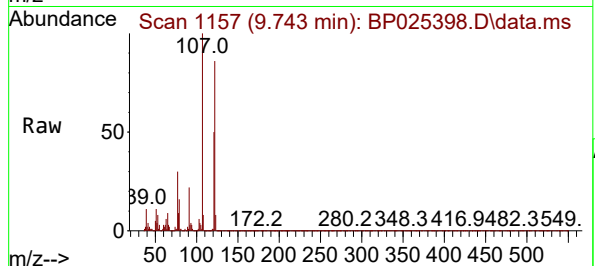
Tgt Ion:122 Resp: 675186

Ion Ratio Lower Upper

122 100

107 116.7 93.7 140.5

121 58.6 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 61.040 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

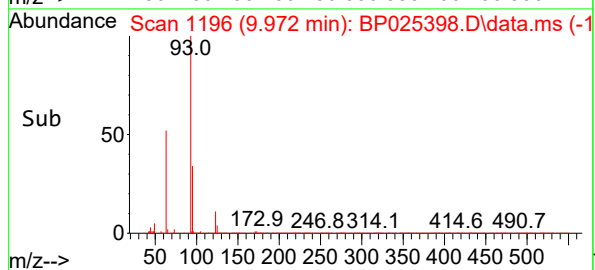
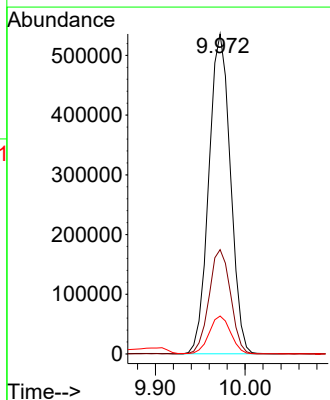
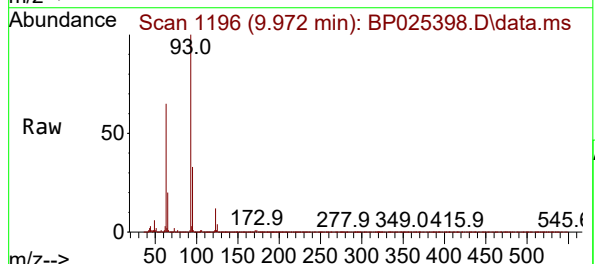
Tgt Ion: 93 Resp: 894872

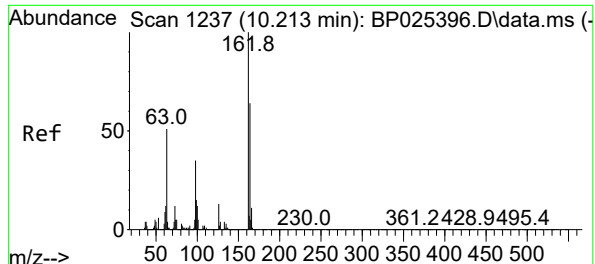
Ion Ratio Lower Upper

93 100

95 32.6 25.4 38.0

123 11.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 62.764 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

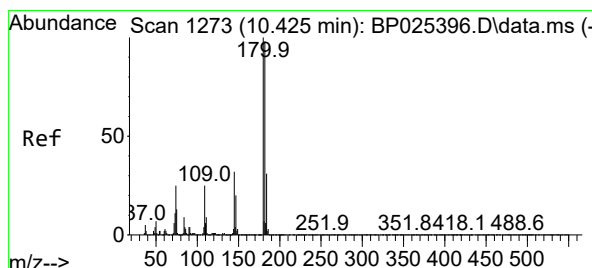
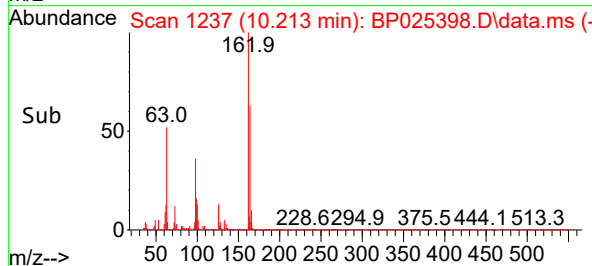
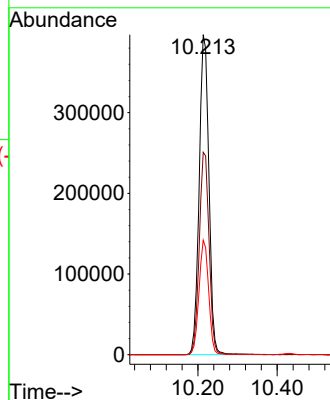
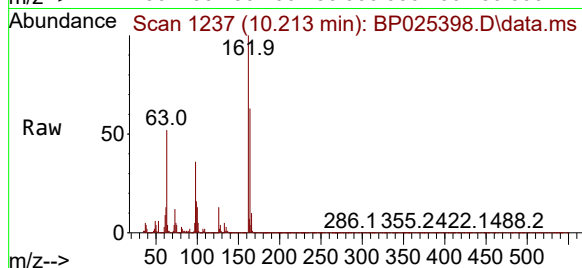
Tgt Ion:162 Resp: 673952

Ion Ratio Lower Upper

162 100

164 63.3 44.4 84.4

98 35.8 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 60.823 ng

RT: 10.425 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

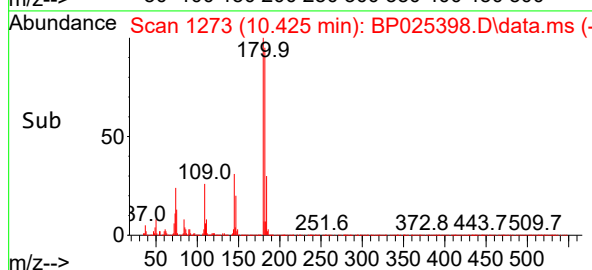
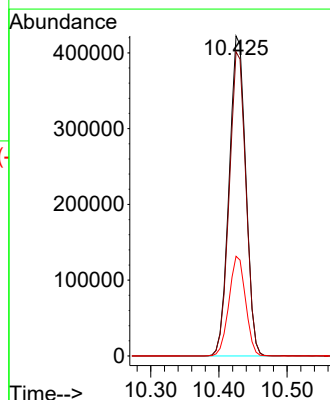
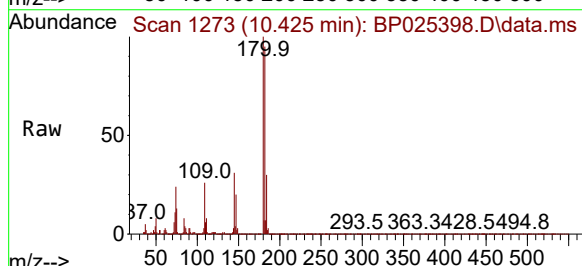
Tgt Ion:180 Resp: 715954

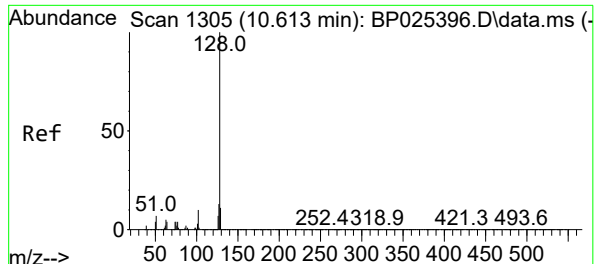
Ion Ratio Lower Upper

180 100

182 95.0 78.0 117.0

145 31.2 25.9 38.9





#31

Naphthalene

Concen: 60.722 ng

RT: 10.613 min Scan# 1185

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

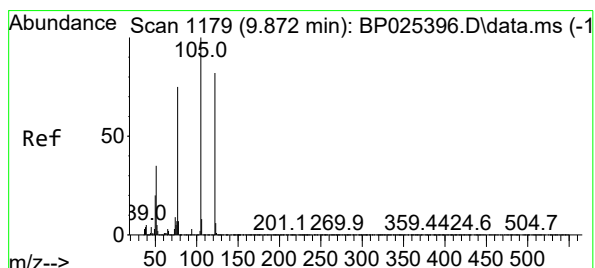
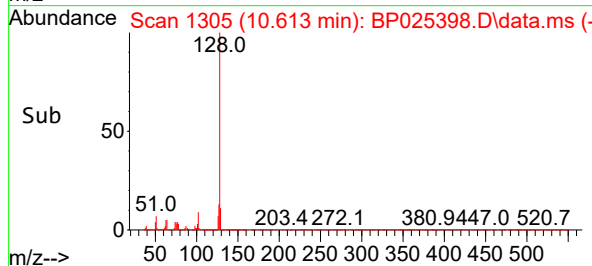
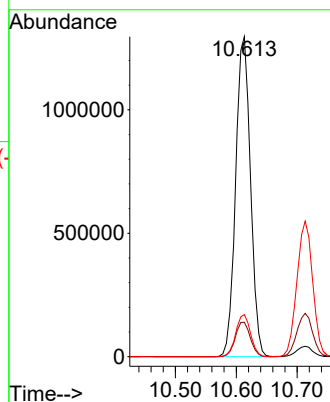
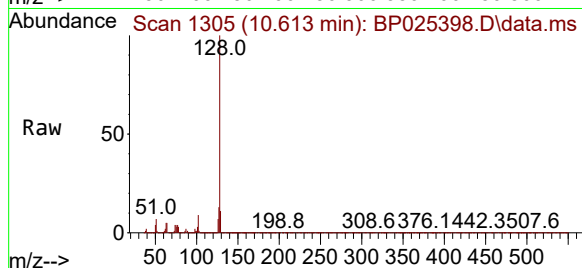
Tgt Ion:128 Resp: 2187912

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.2 10.7 16.1



#32

Benzoic acid

Concen: 66.651 ng

RT: 9.907 min Scan# 1185

Delta R.T. 0.035 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

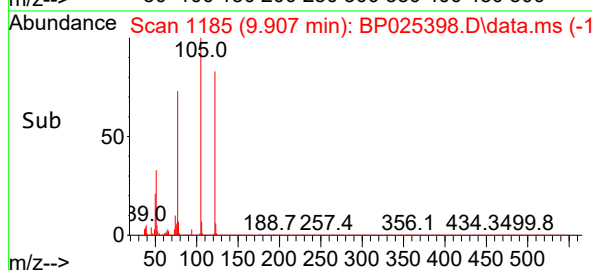
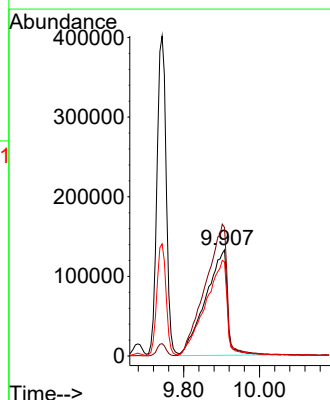
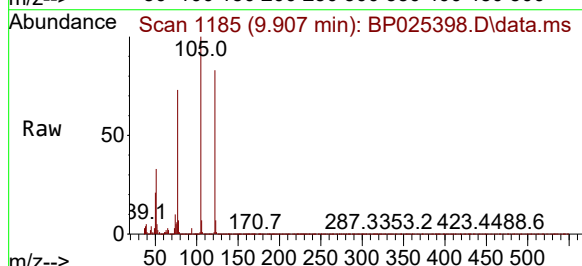
Tgt Ion:122 Resp: 530609

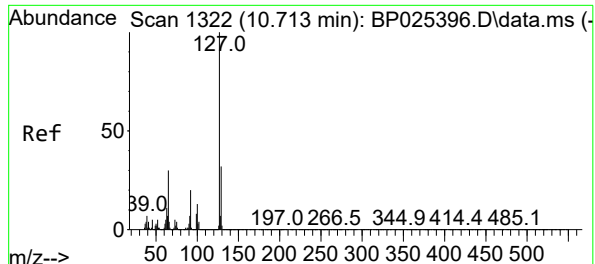
Ion Ratio Lower Upper

122 100

105 121.0 100.6 140.6

77 88.6 71.5 111.5





#33

4-Chloroaniline

Concen: 62.401 ng

RT: 10.713 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDIC060

Tgt Ion:127 Resp: 993155

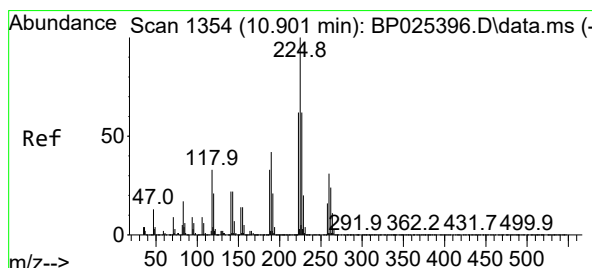
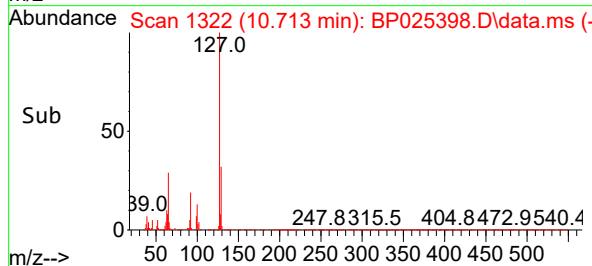
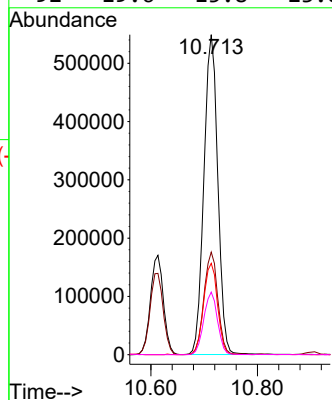
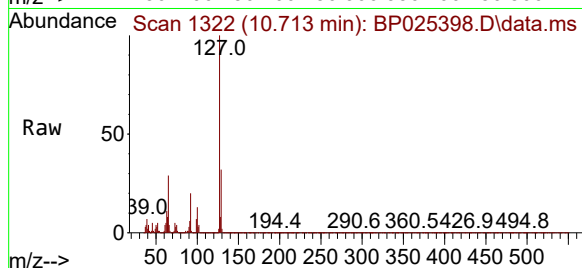
Ion Ratio Lower Upper

127 100

129 32.0 25.4 38.2

65 28.5 23.8 35.6

92 19.6 15.8 23.8



#34

Hexachlorobutadiene

Concen: 60.421 ng

RT: 10.901 min Scan# 1354

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

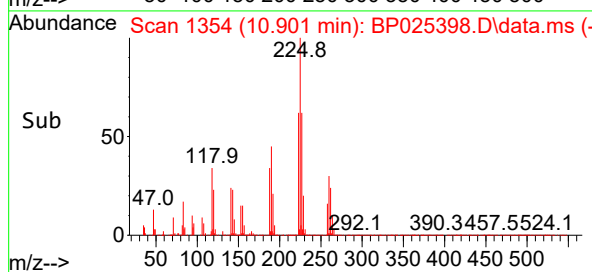
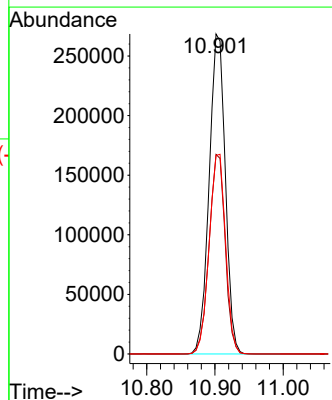
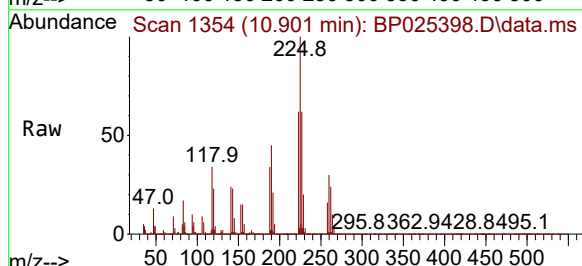
Tgt Ion:225 Resp: 442929

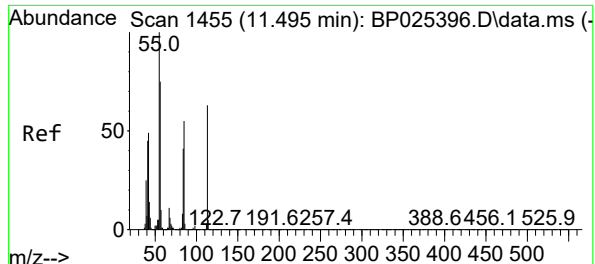
Ion Ratio Lower Upper

225 100

223 62.4 50.0 75.0

227 62.1 49.7 74.5

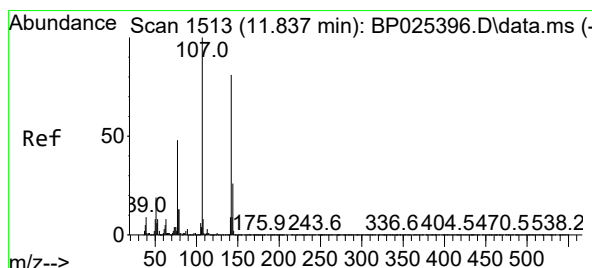
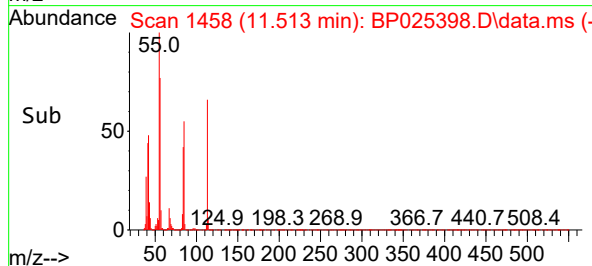
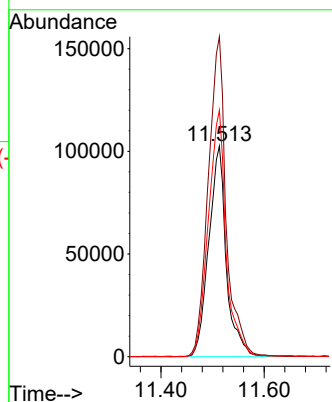
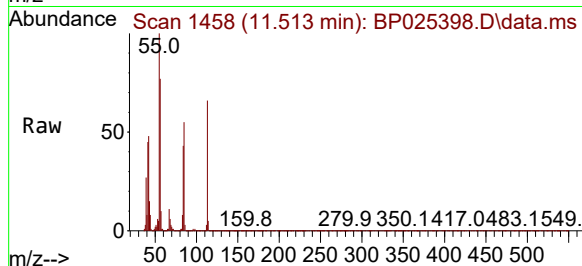




#35
Caprolactam
Concen: 61.340 ng
RT: 11.513 min Scan# 1455
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

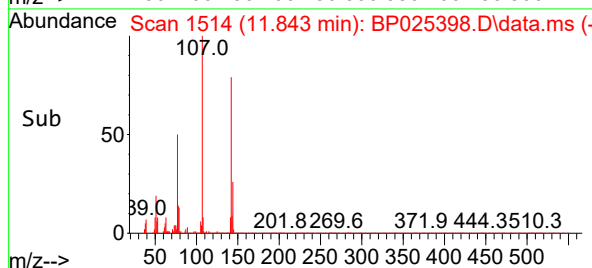
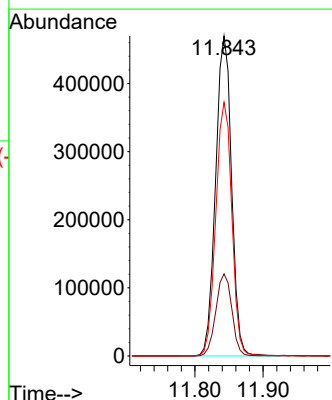
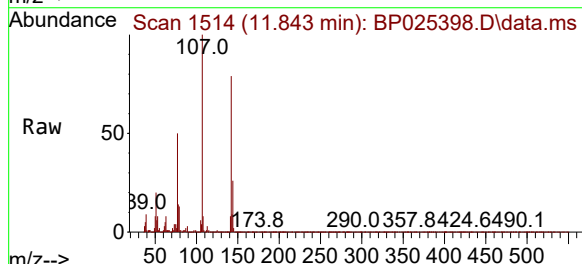
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

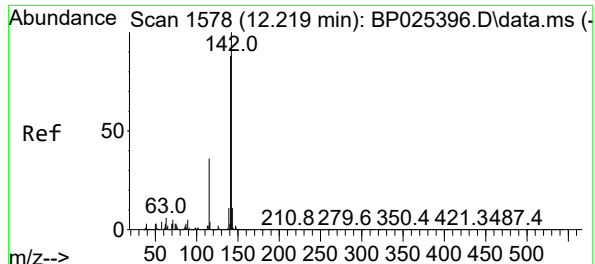
Tgt Ion:113 Resp: 241521
Ion Ratio Lower Upper
113 100
55 151.8 140.0 180.0
56 117.0 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 62.033 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:107 Resp: 764338
Ion Ratio Lower Upper
107 100
144 25.7 21.0 31.4
142 79.2 64.6 97.0

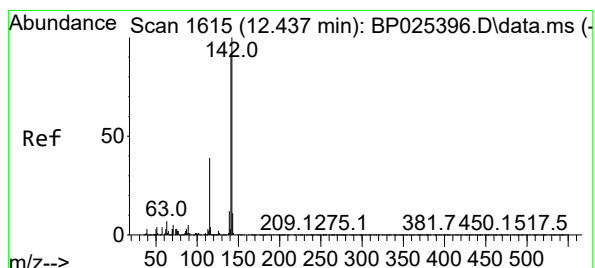
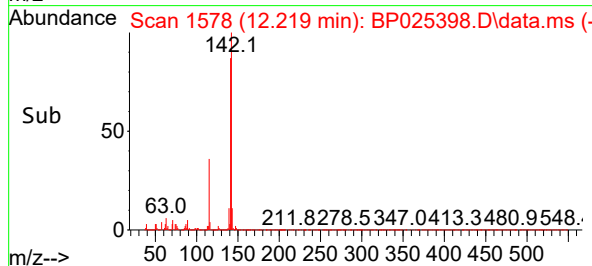
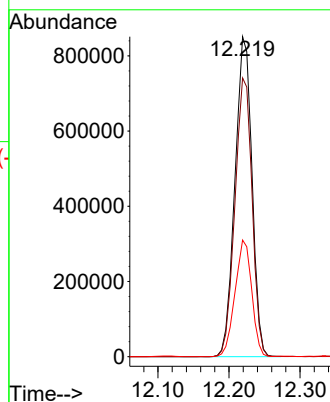
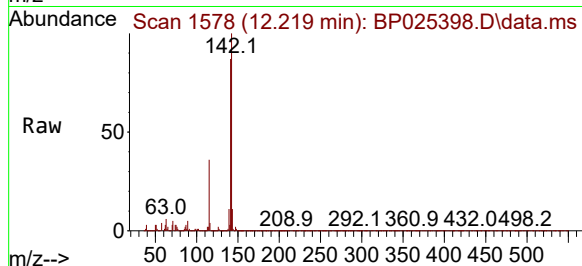




#37
2-Methylnaphthalene
Concen: 60.511 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

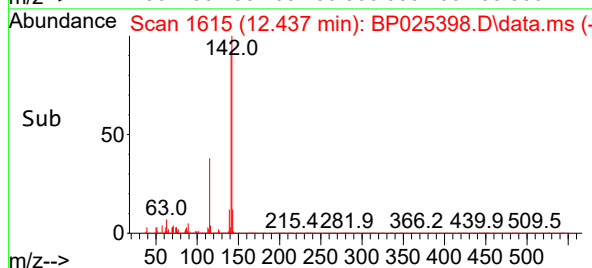
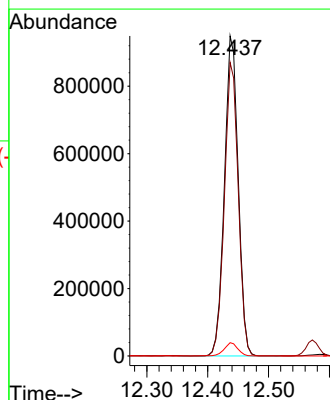
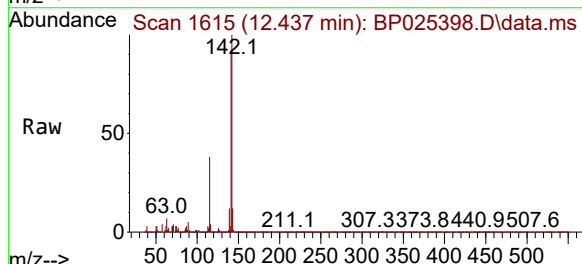
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

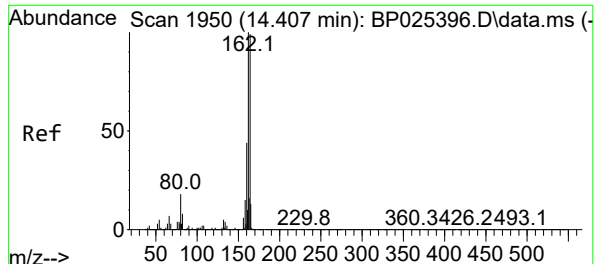
Tgt Ion:142 Resp: 1418882
Ion Ratio Lower Upper
142 100
141 87.1 70.3 105.5
115 36.5 28.9 43.3



#38
1-Methylnaphthalene
Concen: 59.925 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:142 Resp: 1494304
Ion Ratio Lower Upper
142 100
141 91.7 73.1 109.7
116 4.1 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.413 min Scan# 1951

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

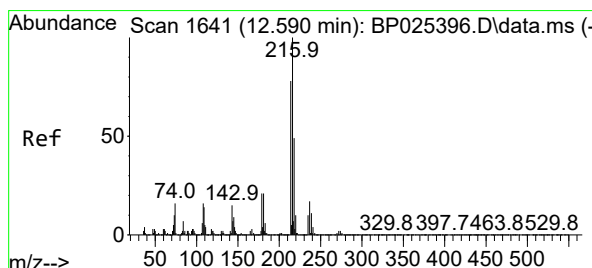
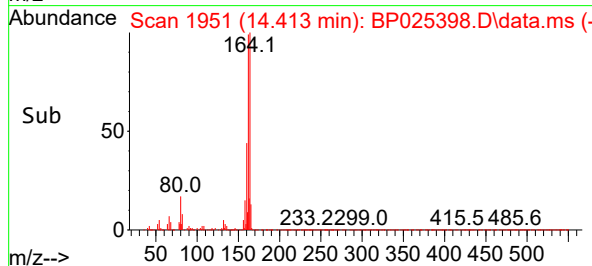
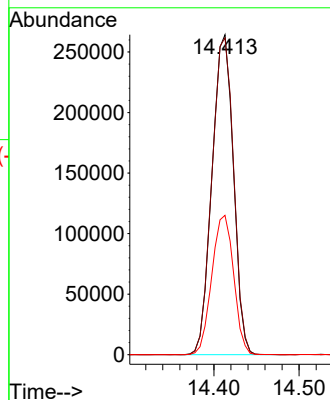
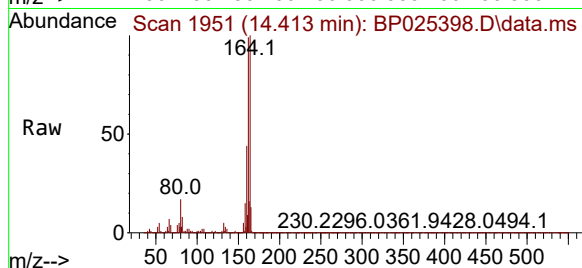
Tgt Ion:164 Resp: 460439

Ion Ratio Lower Upper

164 100

162 99.0 81.0 121.6

160 43.6 35.4 53.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 60.365 ng

RT: 12.590 min Scan# 1641

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Tgt Ion:216 Resp: 802737

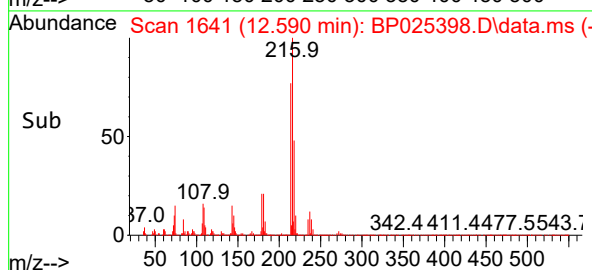
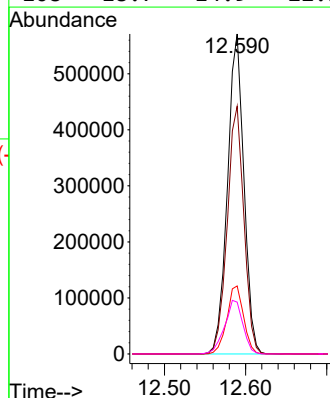
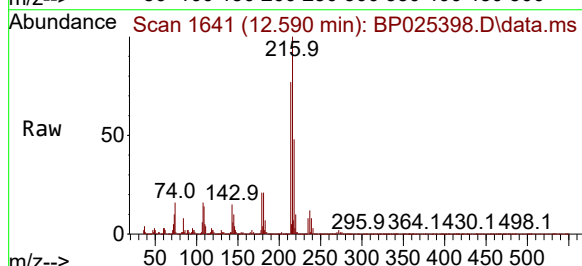
Ion Ratio Lower Upper

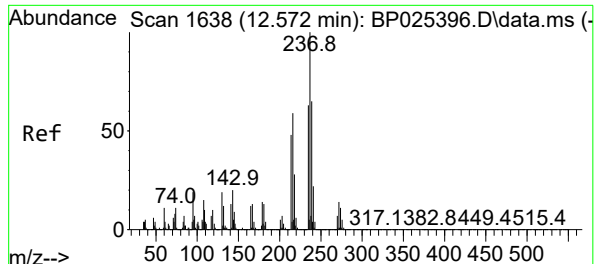
216 100

214 78.3 63.0 94.4

179 21.6 17.1 25.7

108 18.7 14.9 22.3

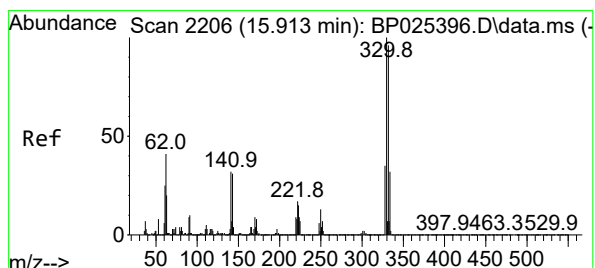
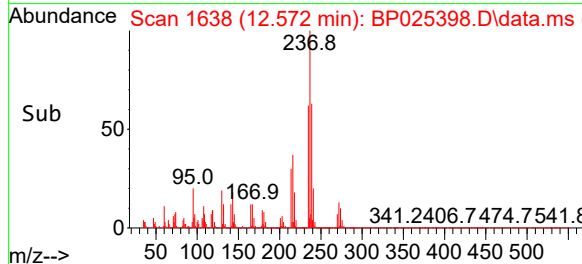
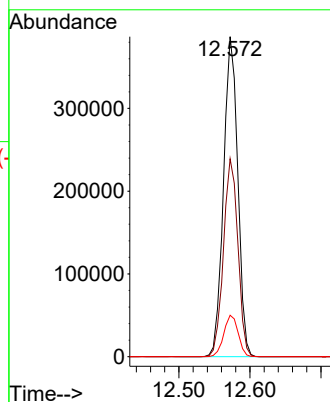
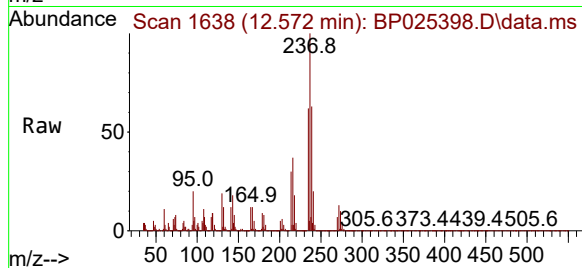




#41
Hexachlorocyclopentadiene
Concen: 66.784 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

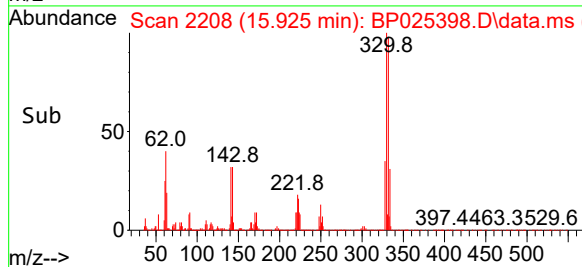
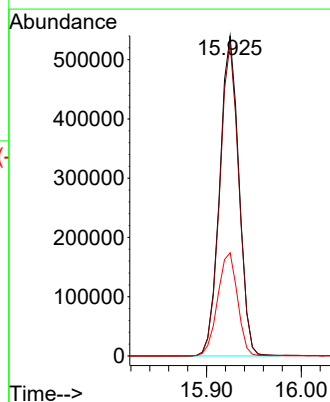
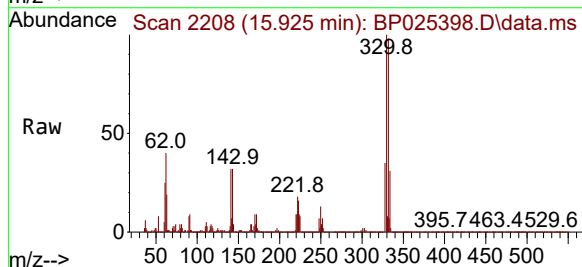
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

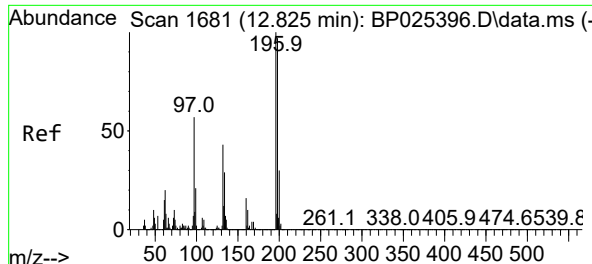
Tgt Ion:237 Resp: 536440
Ion Ratio Lower Upper
237 100
235 61.9 42.7 82.7
272 13.0 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 122.748 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:330 Resp: 760738
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 33.3 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 62.841 ng

RT: 12.831 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

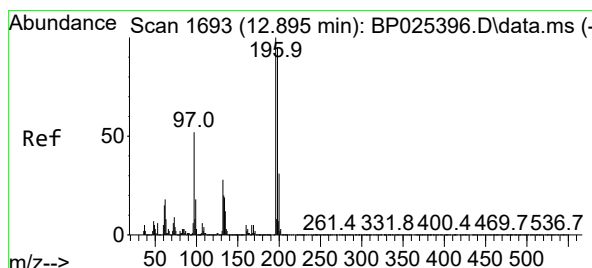
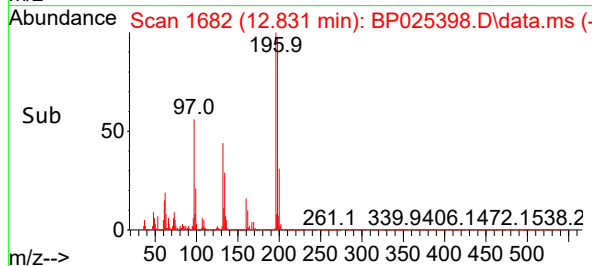
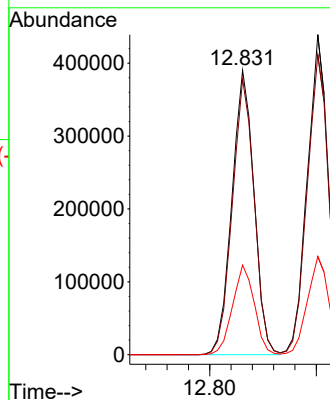
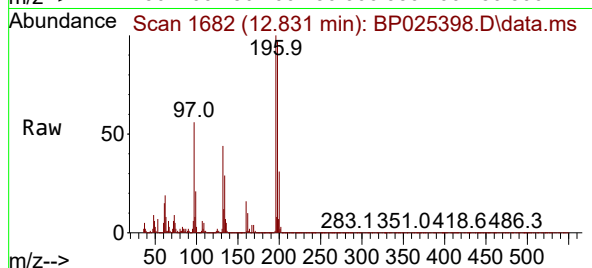
Tgt Ion:196 Resp: 564165

Ion Ratio Lower Upper

196 100

198 96.9 77.2 115.8

200 31.5 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 62.937 ng

RT: 12.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Tgt Ion:196 Resp: 619246

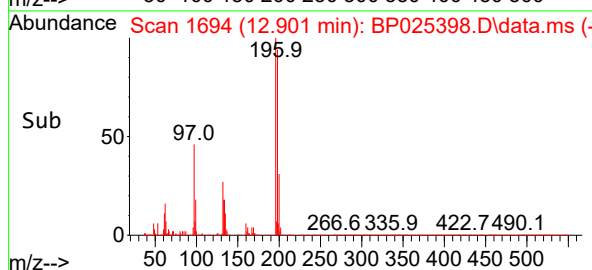
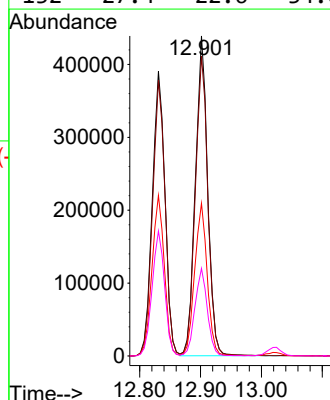
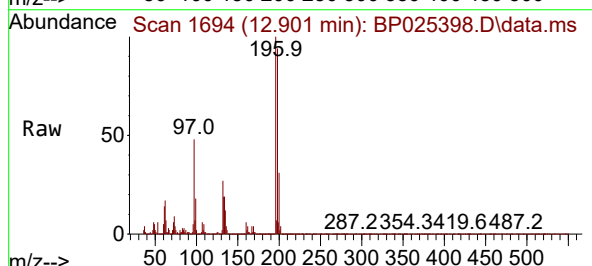
Ion Ratio Lower Upper

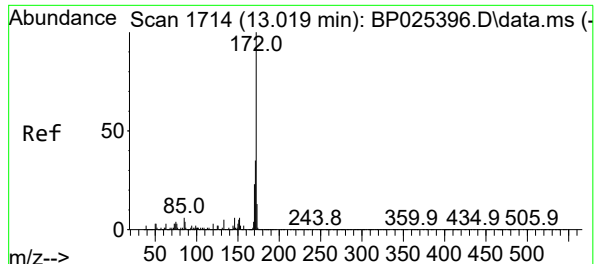
196 100

198 93.8 76.2 114.2

97 47.7 41.2 61.8

132 27.4 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 117.656 ng

RT: 13.025 min Scan# 1715

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

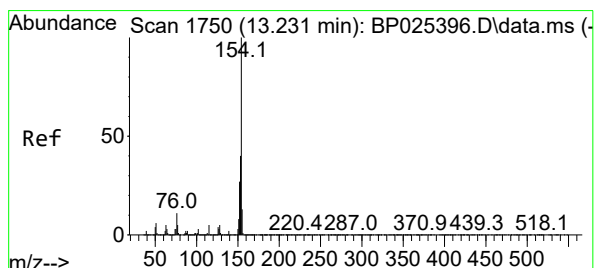
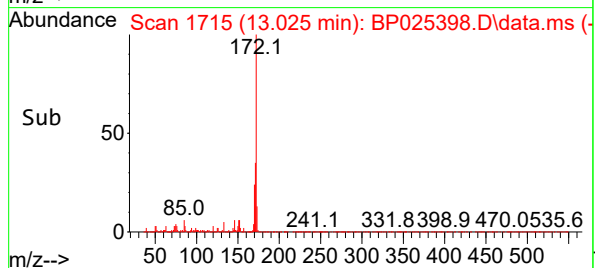
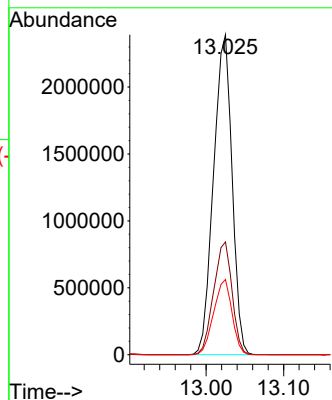
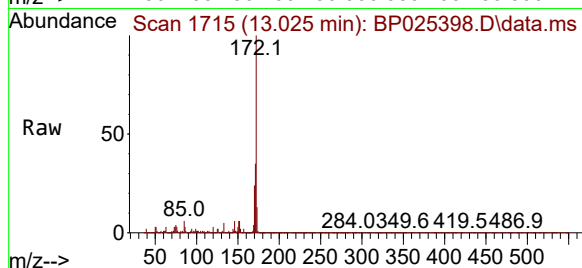
Tgt Ion:172 Resp: 3963871

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.5 18.6 28.0



#46

1,1'-Biphenyl

Concen: 59.695 ng

RT: 13.237 min Scan# 1751

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

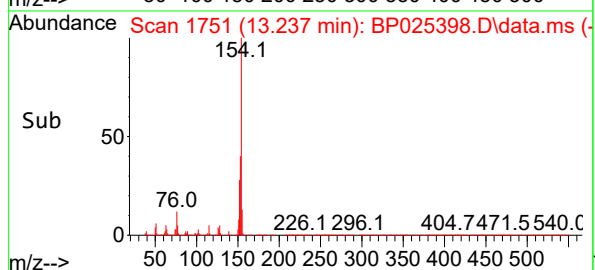
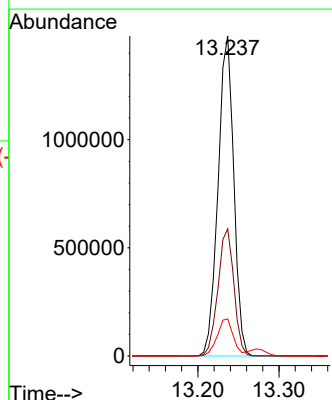
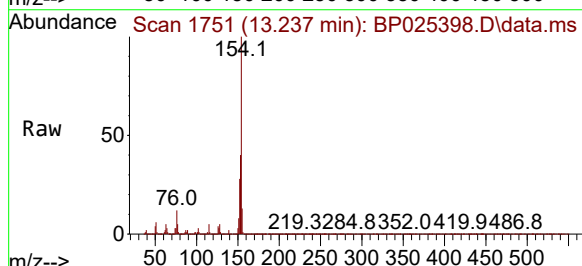
Tgt Ion:154 Resp: 1996186

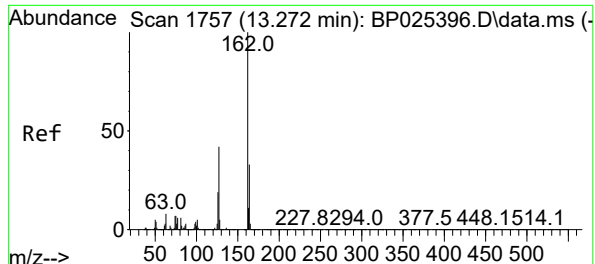
Ion Ratio Lower Upper

154 100

153 39.8 19.5 59.5

76 11.6 0.0 31.1





#47

2-Chloronaphthalene

Concen: 60.600 ng

RT: 13.272 min Scan# 1757

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

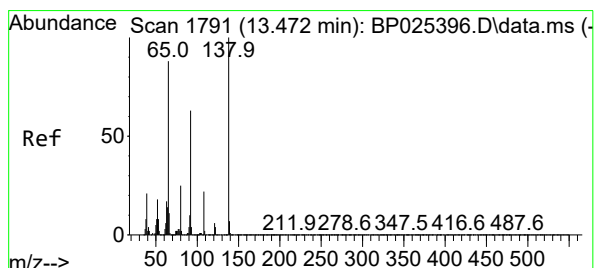
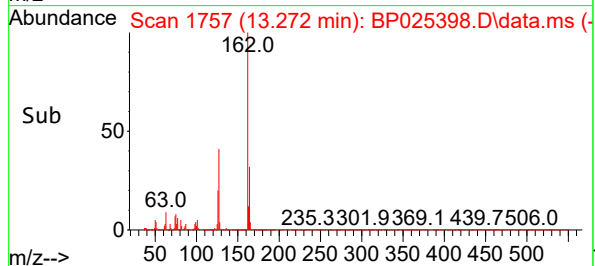
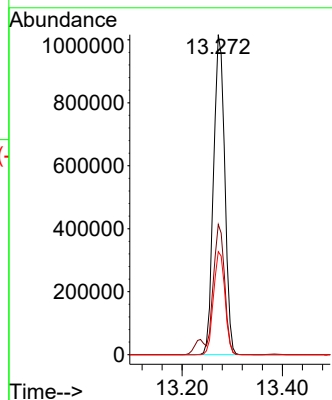
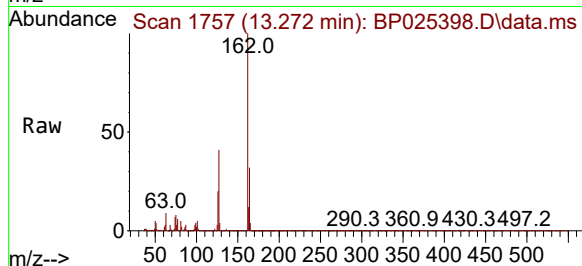
Tgt Ion:162 Resp: 1577577

Ion Ratio Lower Upper

162 100

127 40.7 33.4 50.2

164 32.2 26.2 39.2



#48

2-Nitroaniline

Concen: 63.996 ng

RT: 13.472 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

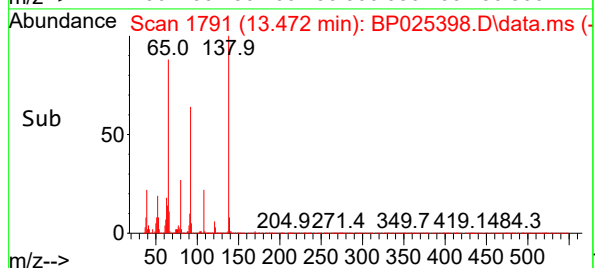
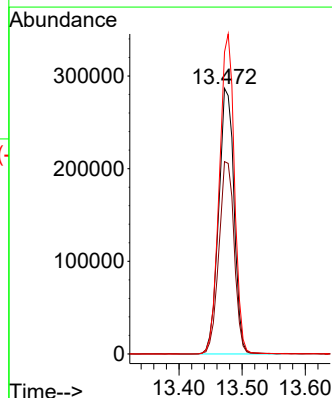
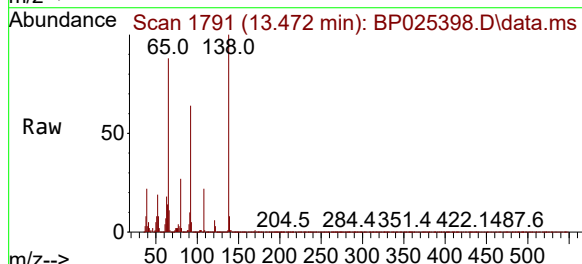
Tgt Ion: 65 Resp: 485429

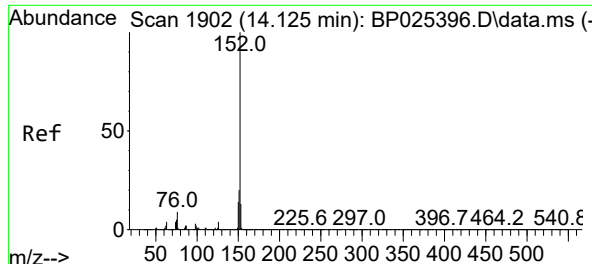
Ion Ratio Lower Upper

65 100

92 72.4 57.6 86.4

138 113.7 91.0 136.6





#49

Acenaphthylene

Concen: 61.147 ng

RT: 14.131 min Scan# 1903

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

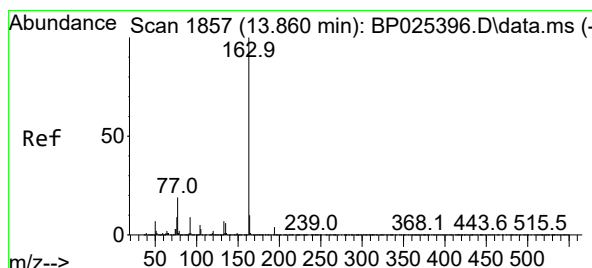
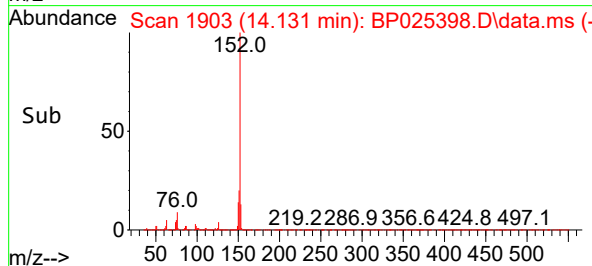
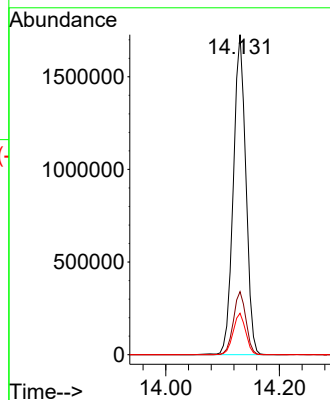
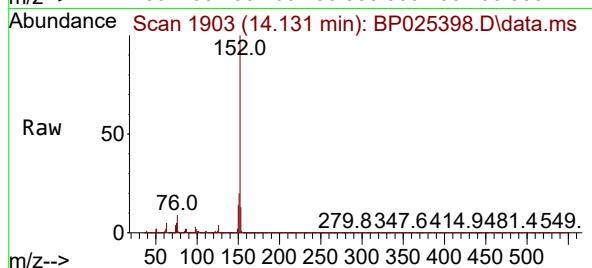
Tgt Ion:152 Resp: 2634005

Ion Ratio Lower Upper

152 100

151 19.7 16.0 24.0

153 13.0 10.6 15.8



#50

Dimethylphthalate

Concen: 60.572 ng

RT: 13.866 min Scan# 1858

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

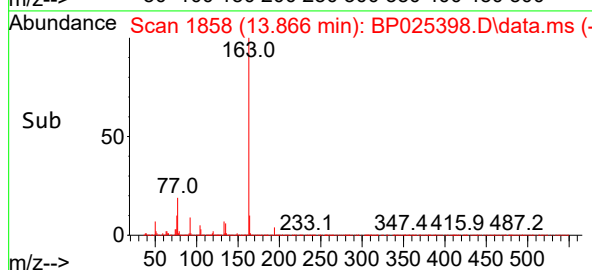
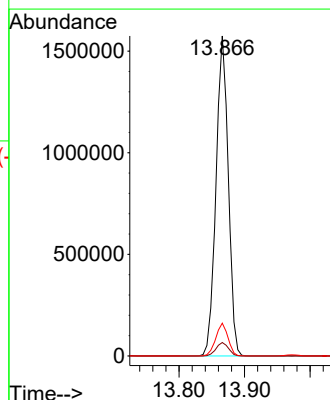
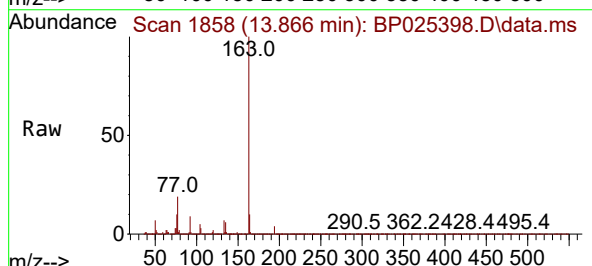
Tgt Ion:163 Resp: 2042324

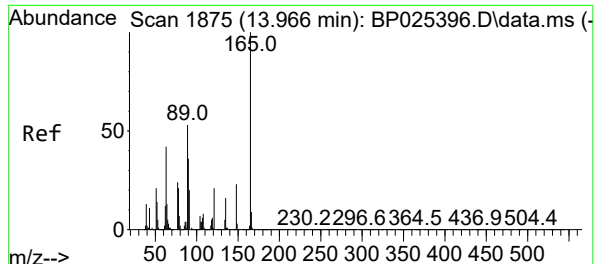
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.3 7.9 11.9

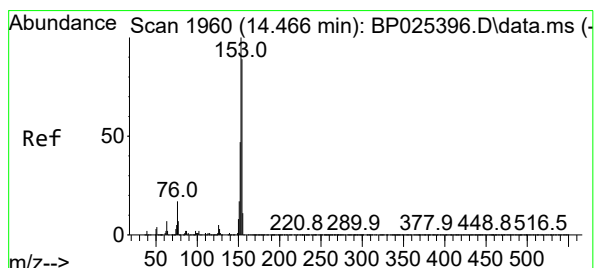
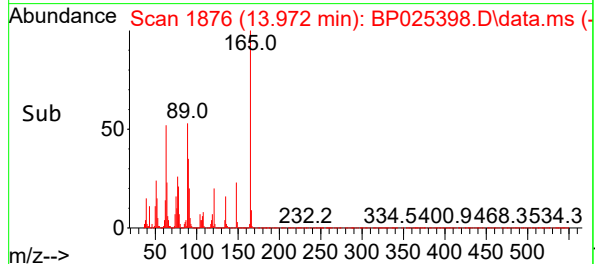
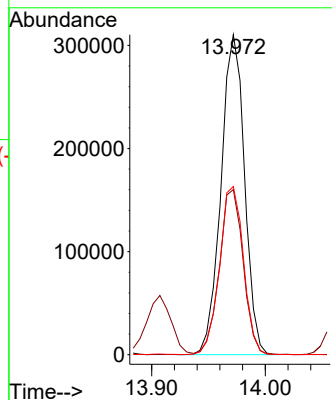
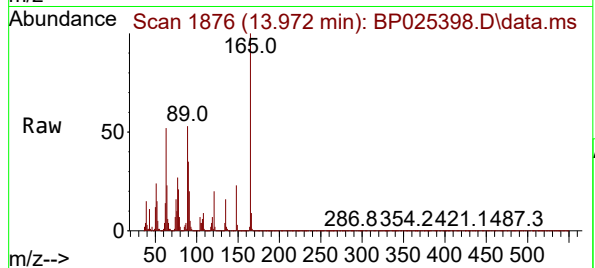




#51
2,6-Dinitrotoluene
Concen: 62.831 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

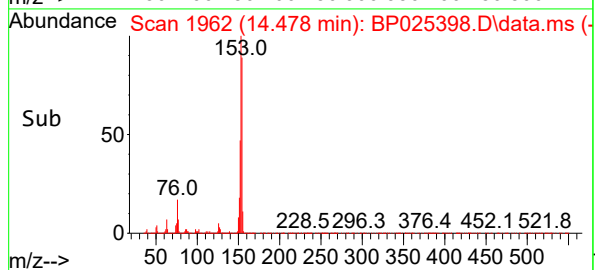
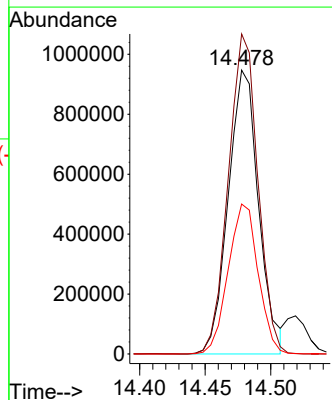
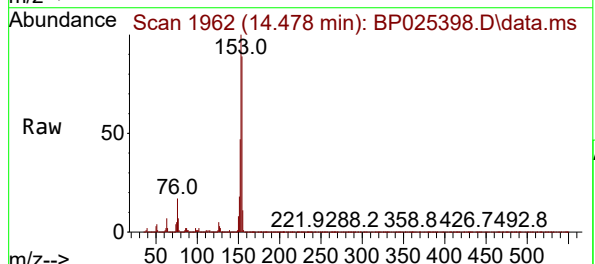
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

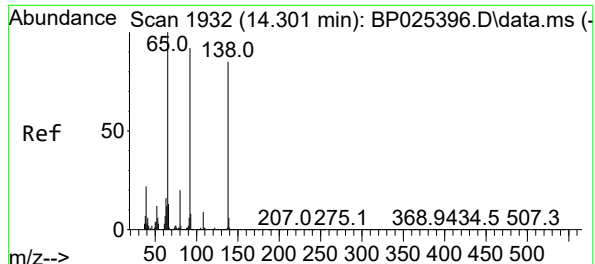
Tgt Ion:165 Resp: 446520
Ion Ratio Lower Upper
165 100
63 51.6 40.9 61.3
89 52.5 42.1 63.1



#52
Acenaphthene
Concen: 60.399 ng
RT: 14.478 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:154 Resp: 1527191
Ion Ratio Lower Upper
154 100
153 112.7 90.2 135.2
152 52.8 42.1 63.1





#53

3-Nitroaniline

Concen: 63.331 ng

RT: 14.301 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

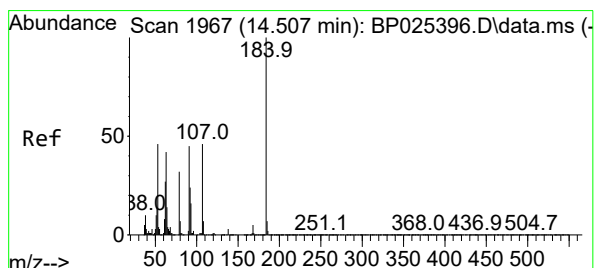
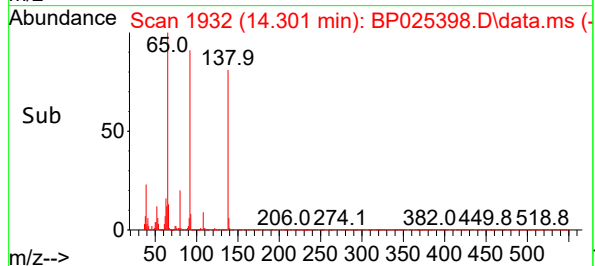
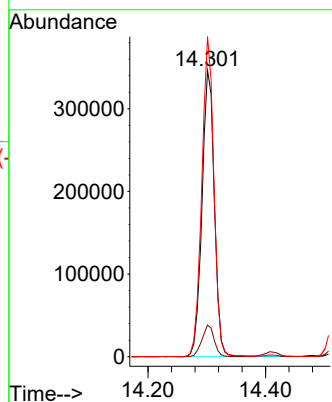
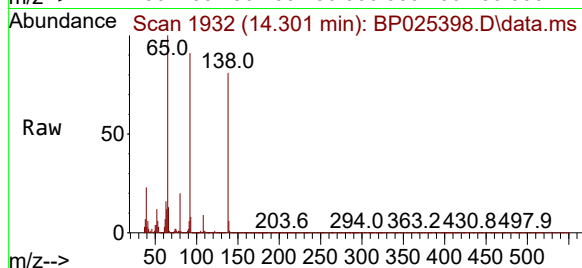
Tgt Ion:138 Resp: 506373

Ion Ratio Lower Upper

138 100

108 11.1 8.3 12.5

92 111.9 86.2 129.2



#54

2,4-Dinitrophenol

Concen: 69.849 ng

RT: 14.519 min Scan# 1969

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

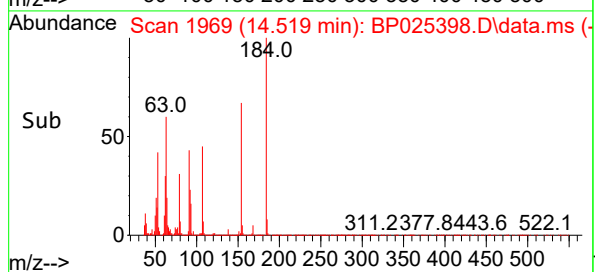
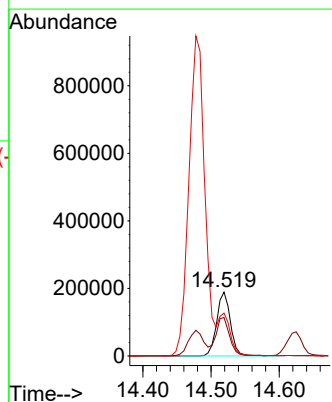
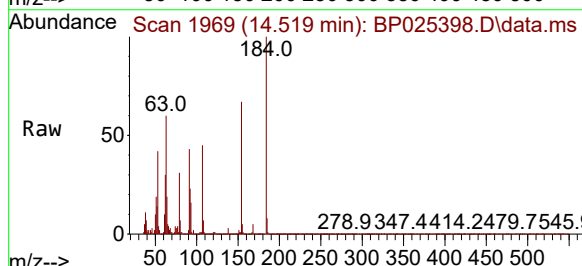
Tgt Ion:184 Resp: 265089

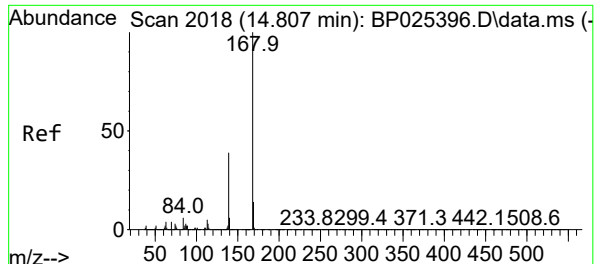
Ion Ratio Lower Upper

184 100

63 60.1 49.4 74.2

154 67.3 54.6 82.0





#55

Dibenzenofuran

Concen: 59.734 ng

RT: 14.819 min Scan# 20

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

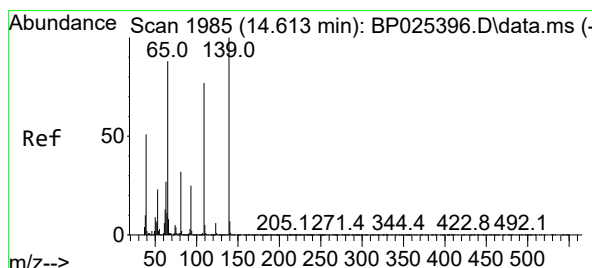
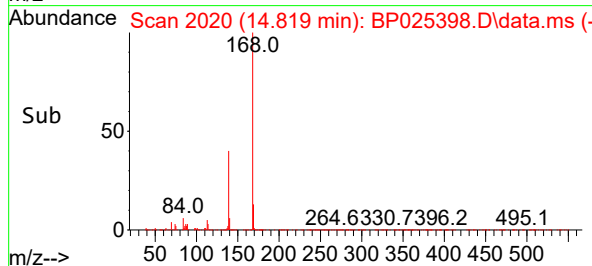
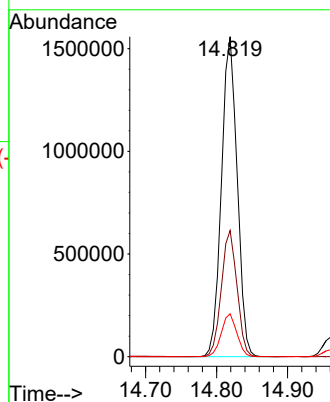
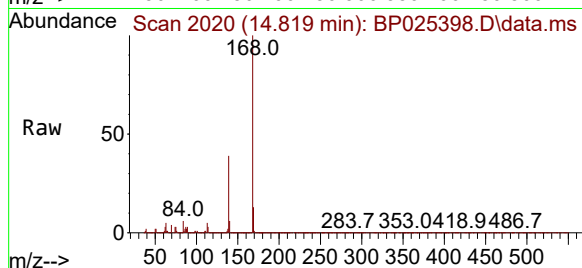
Tgt Ion:168 Resp: 2387933

Ion Ratio Lower Upper

168 100

139 39.5 31.5 47.3

169 13.4 10.9 16.3



#56

4-Nitrophenol

Concen: 63.893 ng

RT: 14.625 min Scan# 1987

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

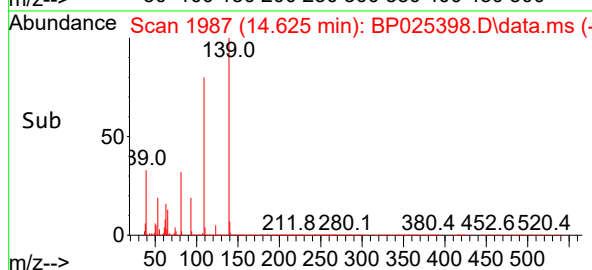
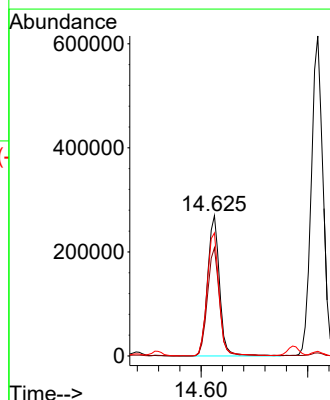
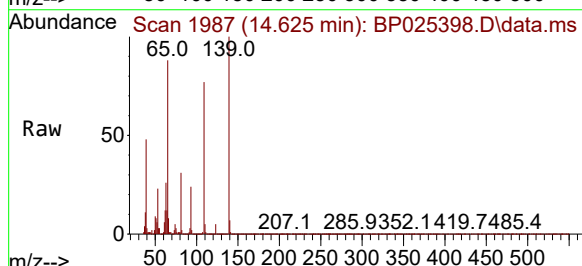
Tgt Ion:139 Resp: 419801

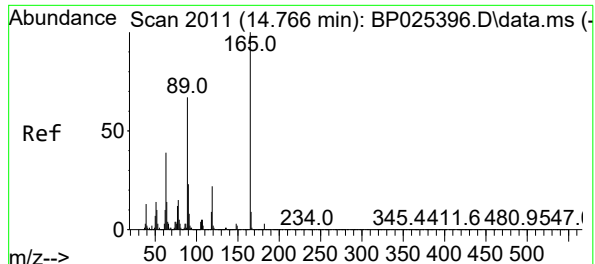
Ion Ratio Lower Upper

139 100

109 77.0 56.6 96.6

65 87.6 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 64.112 ng

RT: 14.778 min Scan# 2011

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:165 Resp: 650054

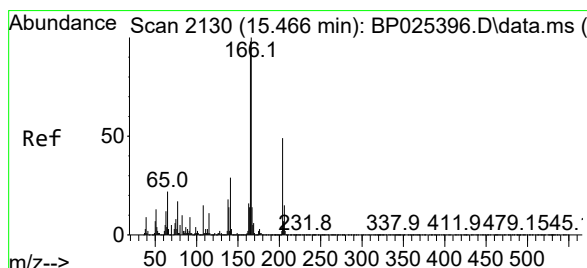
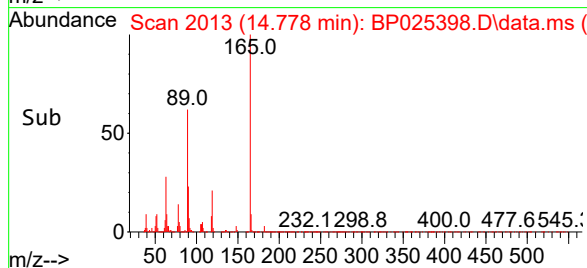
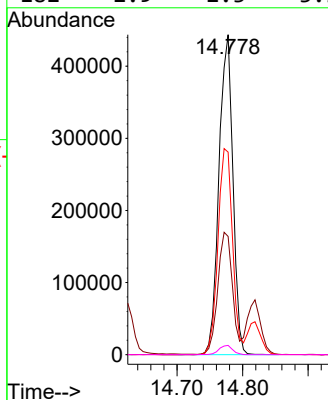
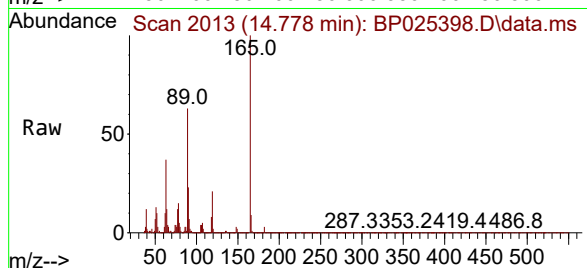
Ion Ratio Lower Upper

165 100

63 37.0 31.4 47.2

89 63.3 53.3 79.9

182 2.9 2.3 3.5



#58

Fluorene

Concen: 58.236 ng

RT: 15.478 min Scan# 2132

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

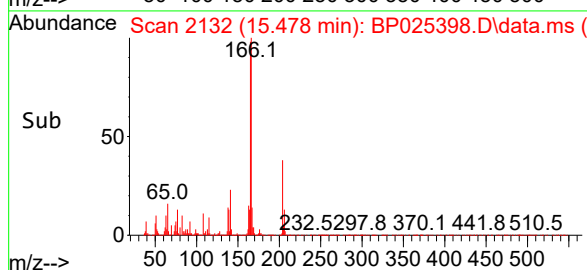
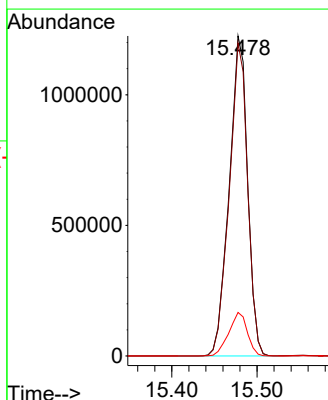
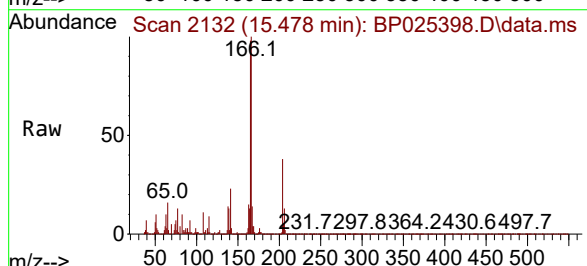
Tgt Ion:166 Resp: 1836972

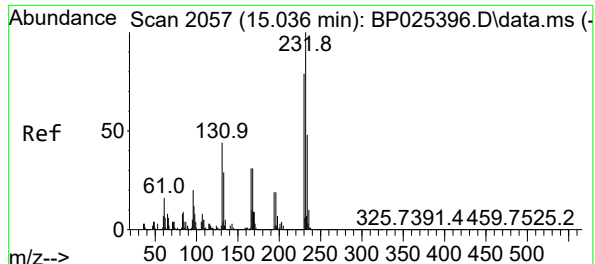
Ion Ratio Lower Upper

166 100

165 97.8 78.8 118.2

167 13.6 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 62.307 ng

RT: 15.042 min Scan# 2058

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:232 Resp: 541317

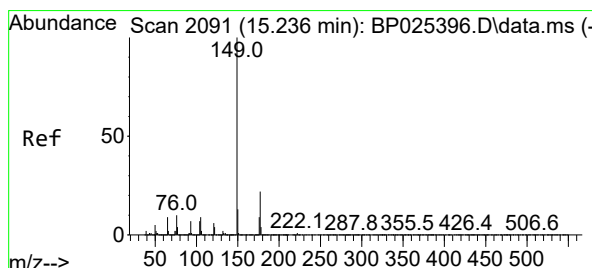
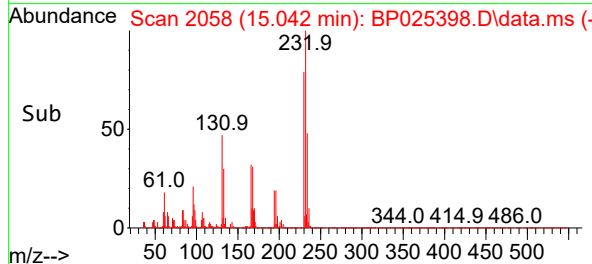
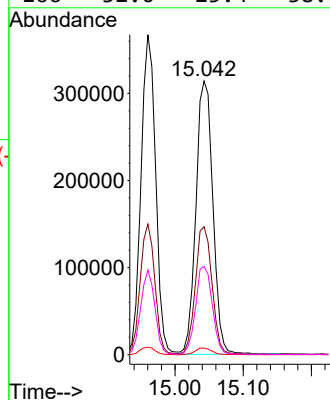
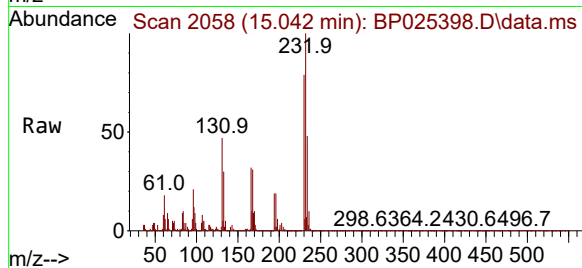
Ion Ratio Lower Upper

232 100

131 46.2 37.0 55.6

130 2.4 1.9 2.9

166 32.0 25.4 38.0



#60

Diethylphthalate

Concen: 58.840 ng

RT: 15.254 min Scan# 2094

Delta R.T. 0.018 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

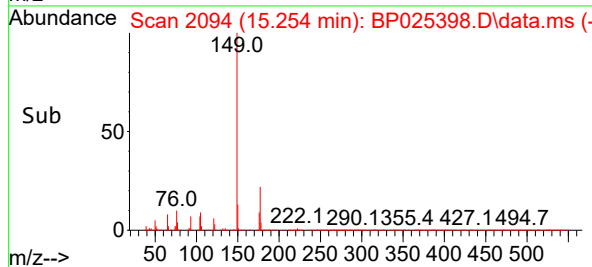
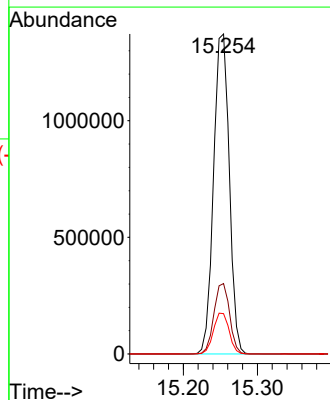
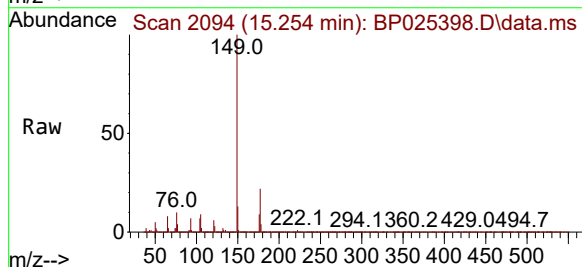
Tgt Ion:149 Resp: 2015888

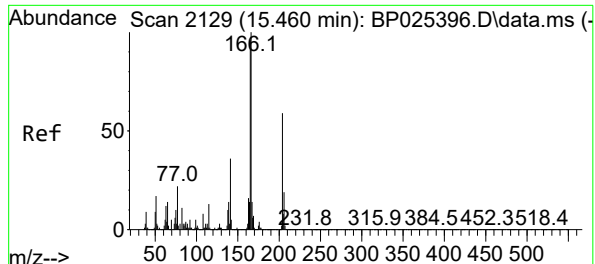
Ion Ratio Lower Upper

149 100

177 22.0 17.3 25.9

150 12.6 10.3 15.5

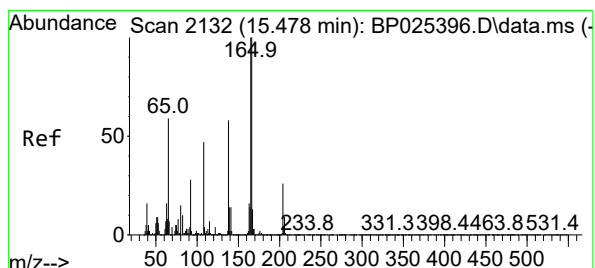
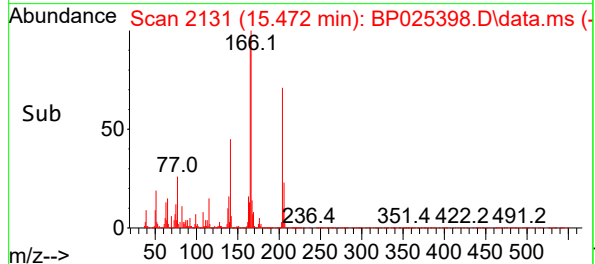
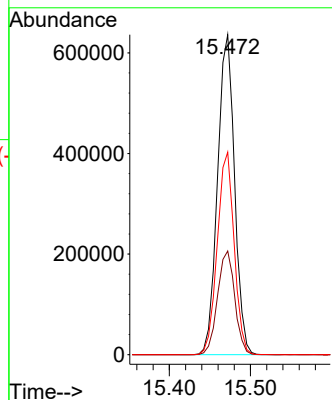
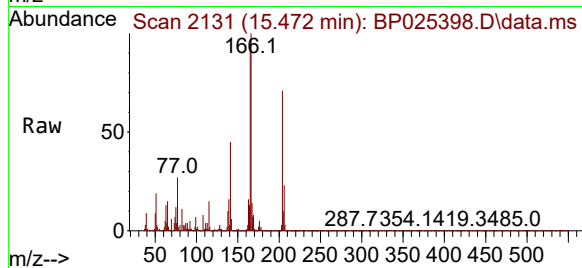




#61
4-Chlorophenyl-phenylether
Concen: 59.044 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

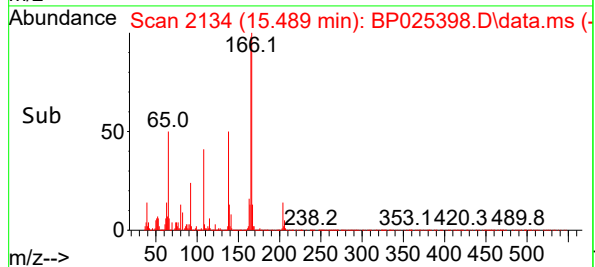
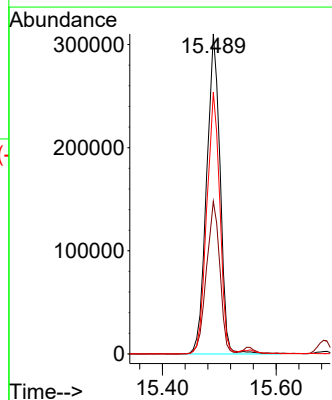
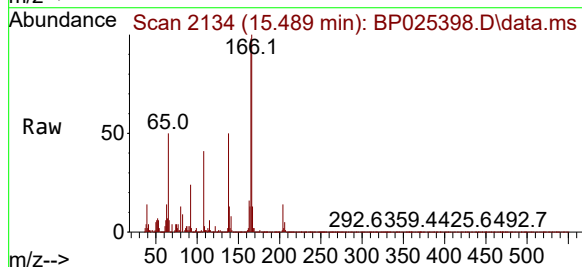
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

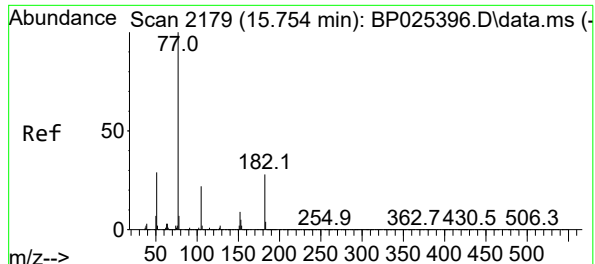
Tgt Ion:204 Resp: 926280
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 63.3 49.4 74.2



#62
4-Nitroaniline
Concen: 62.272 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:138 Resp: 510438
Ion Ratio Lower Upper
138 100
92 47.7 29.1 69.1
108 81.8 61.5 101.5





#63

Azobenzene

Concen: 61.242 ng

RT: 15.766 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 1796580

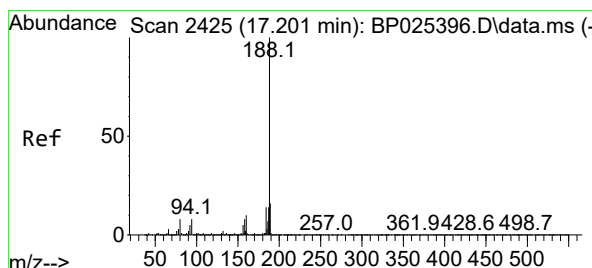
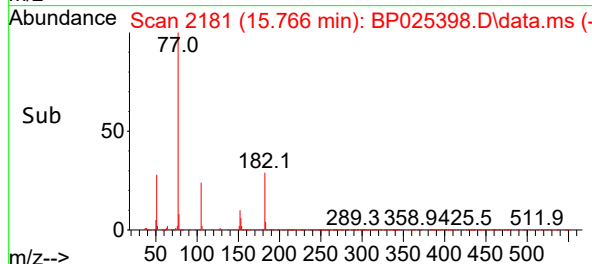
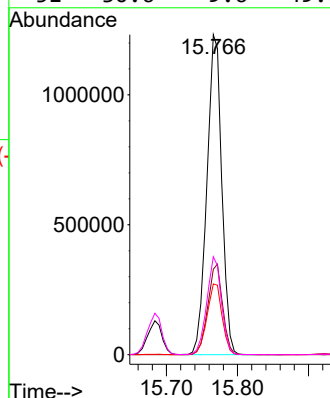
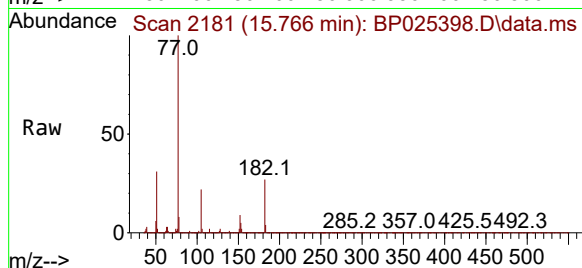
Ion Ratio Lower Upper

77 100

182 26.7 7.5 47.5

105 22.1 2.1 42.1

51 30.6 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.213 min Scan# 2427

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

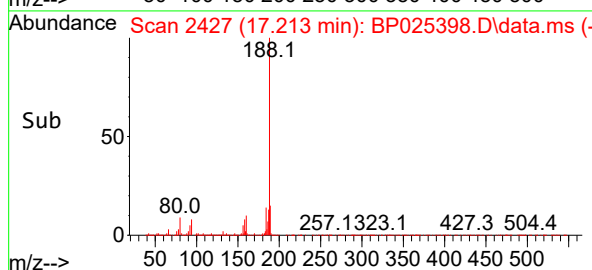
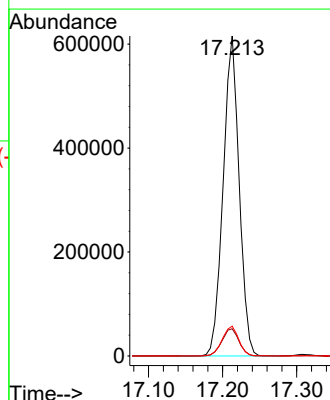
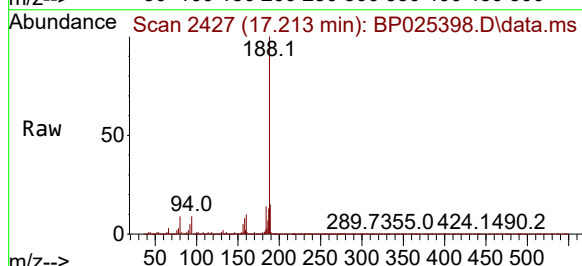
Tgt Ion: 188 Resp: 923402

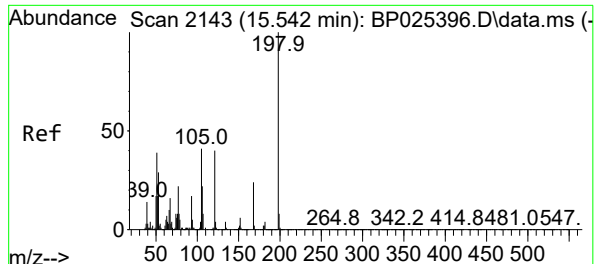
Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.3 6.7 10.1

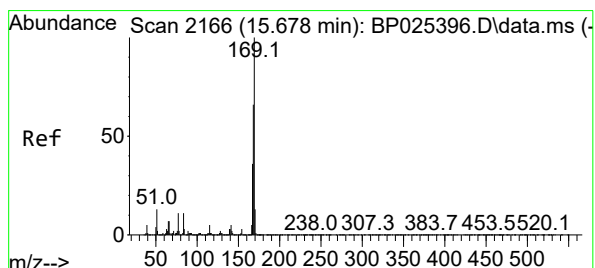
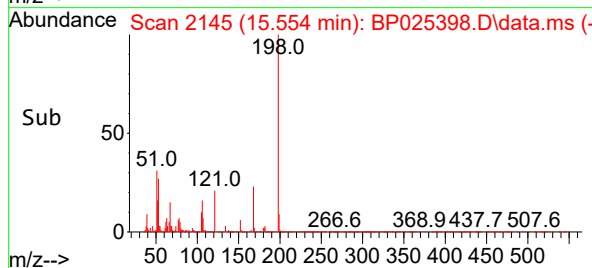
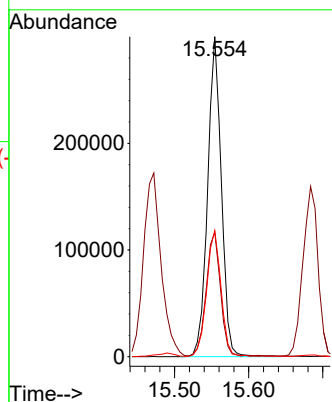
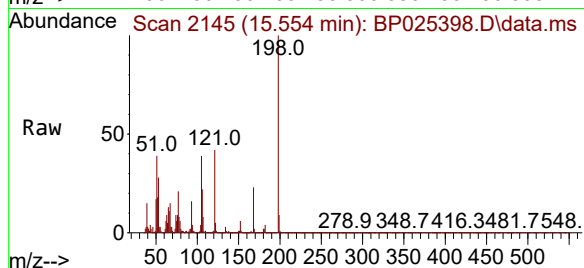




#65
4,6-Dinitro-2-methylphenol
Concen: 67.038 ng
RT: 15.554 min Scan# 2145
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

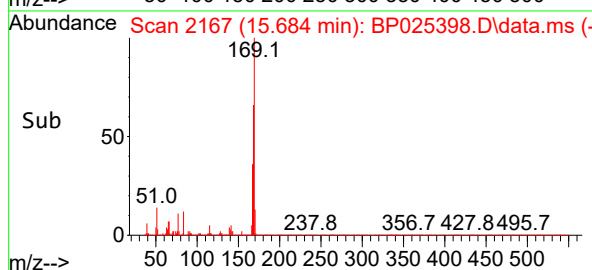
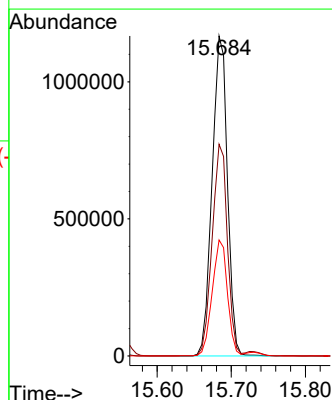
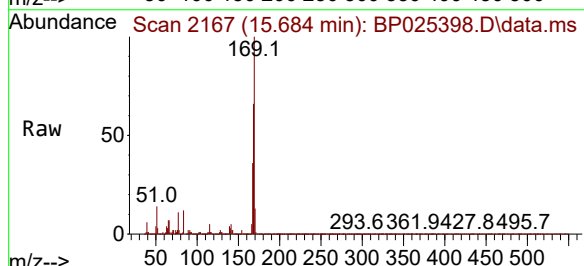
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

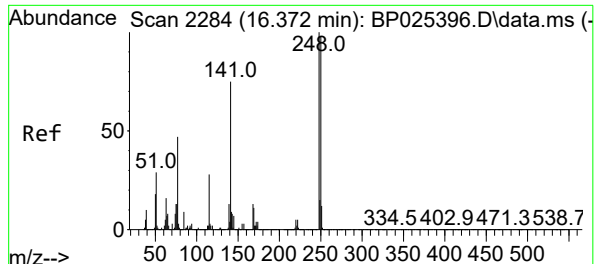
Tgt Ion:198 Resp: 385873
Ion Ratio Lower Upper
198 100
51 38.9 19.6 59.6
105 39.4 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 59.478 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:169 Resp: 1674806
Ion Ratio Lower Upper
169 100
168 66.1 53.2 79.8
167 36.3 28.7 43.1

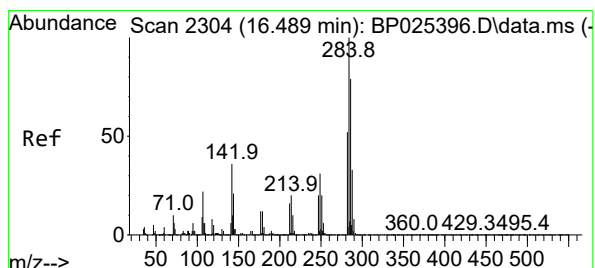
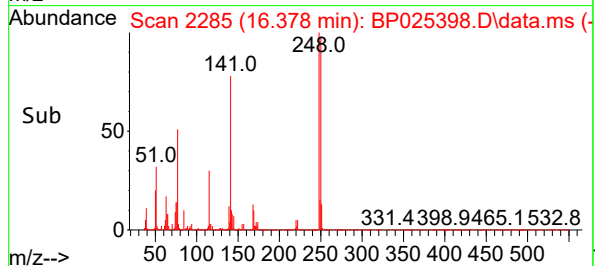
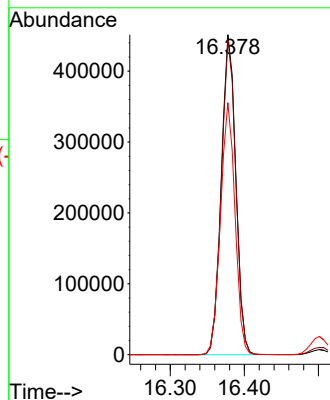
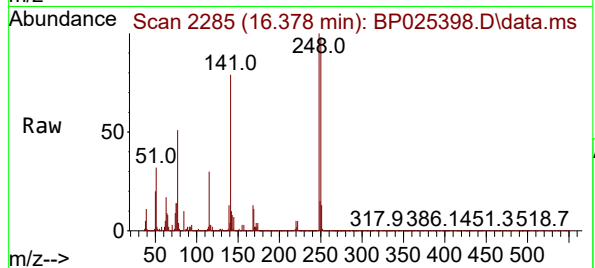




#67
4-Bromophenyl-phenylether
Concen: 60.731 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

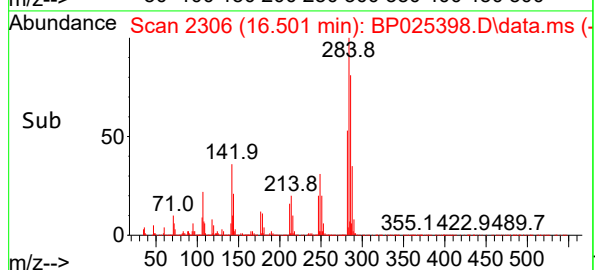
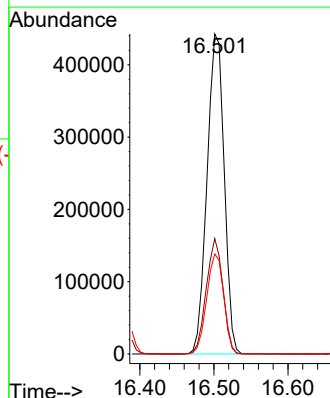
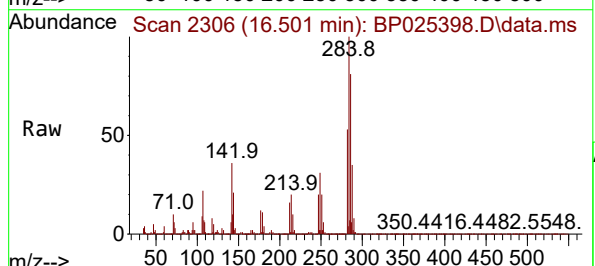
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

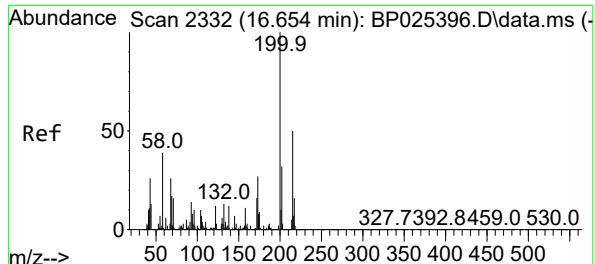
Tgt Ion:248 Resp: 616767
Ion Ratio Lower Upper
248 100
250 98.4 78.2 117.2
141 78.7 59.6 89.4



#68
Hexachlorobenzene
Concen: 60.461 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:284 Resp: 711778
Ion Ratio Lower Upper
284 100
142 36.1 29.1 43.7
249 31.3 25.0 37.4





#69

Atrazine

Concen: 60.063 ng

RT: 16.666 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

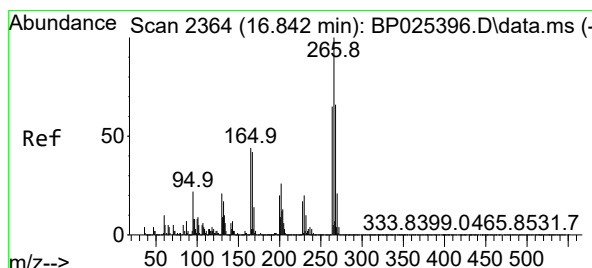
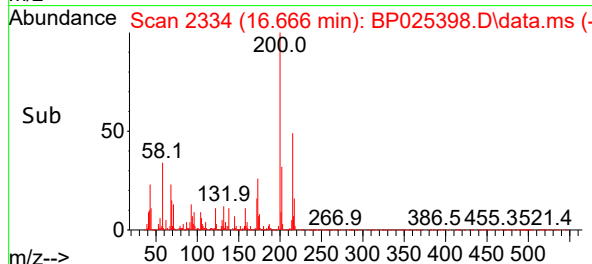
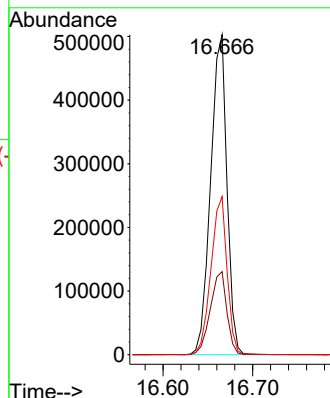
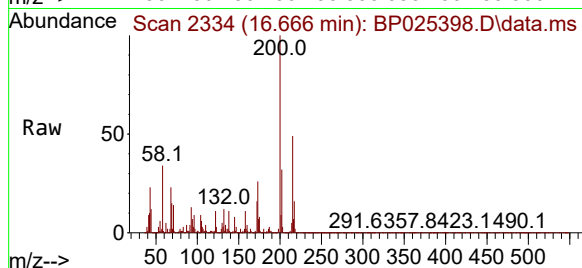
Tgt Ion:200 Resp: 633381

Ion Ratio Lower Upper

200 100

173 26.0 6.7 46.7

215 49.4 29.7 69.7



#70

Pentachlorophenol

Concen: 63.820 ng

RT: 16.854 min Scan# 2366

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

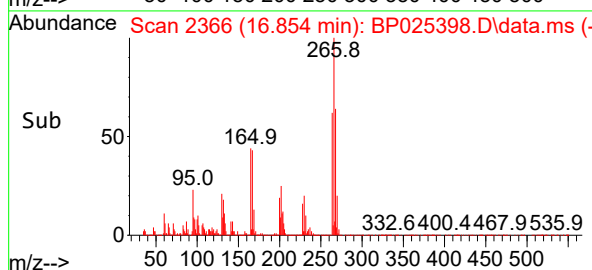
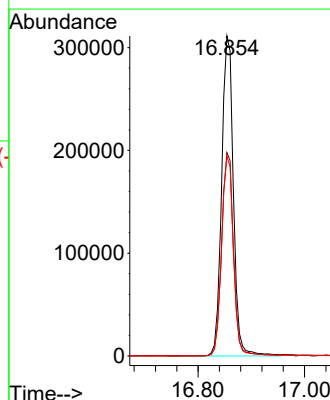
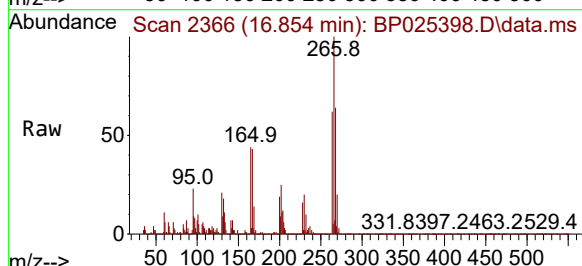
Tgt Ion:266 Resp: 474276

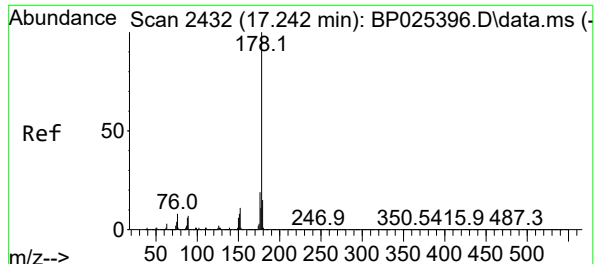
Ion Ratio Lower Upper

266 100

268 63.5 52.6 79.0

264 62.4 52.0 78.0

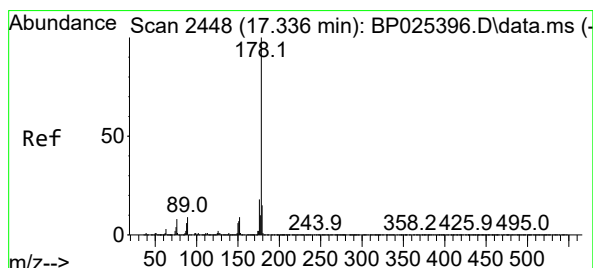
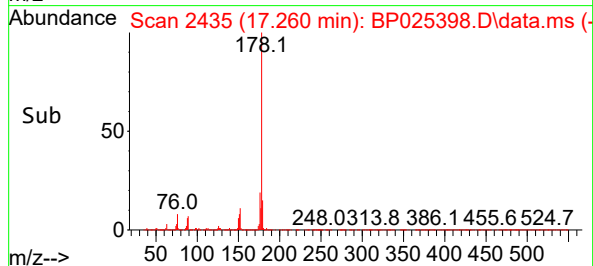
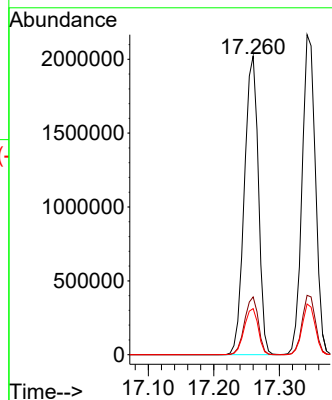
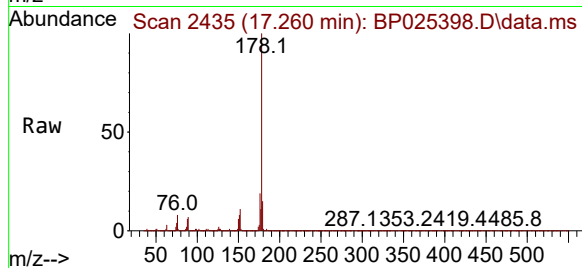




#71
Phenanthrene
Concen: 59.263 ng
RT: 17.260 min Scan# 2435
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

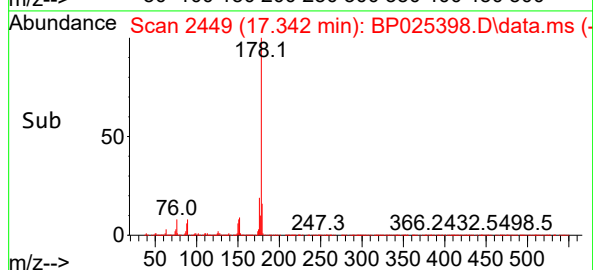
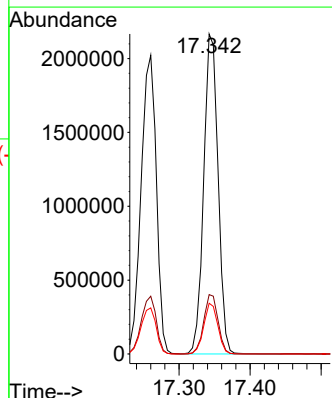
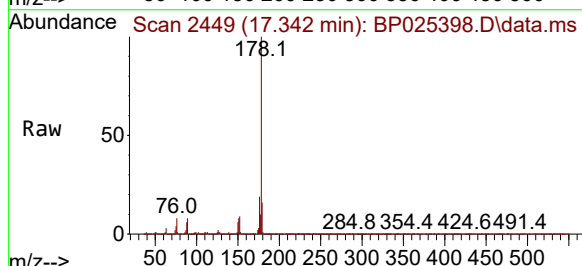
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

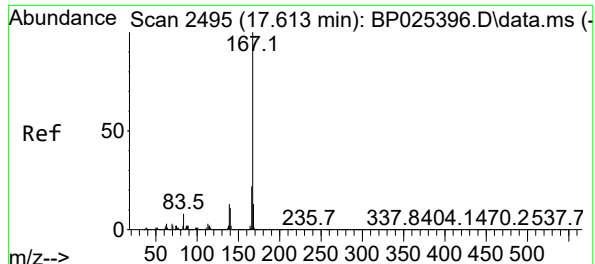
Tgt Ion:178 Resp: 3006132
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.4 12.2 18.4



#72
Anthracene
Concen: 58.895 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:178 Resp: 3050794
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.9 12.2 18.2

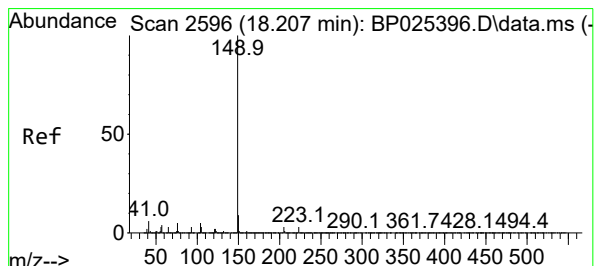
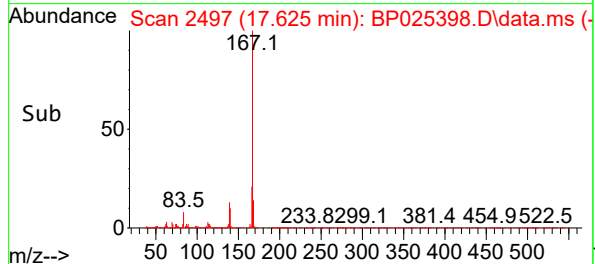
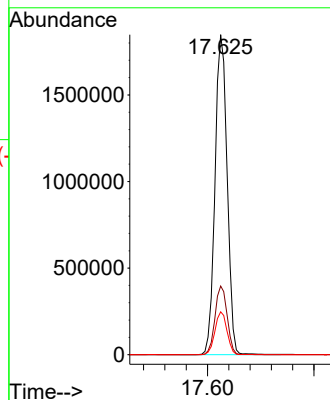
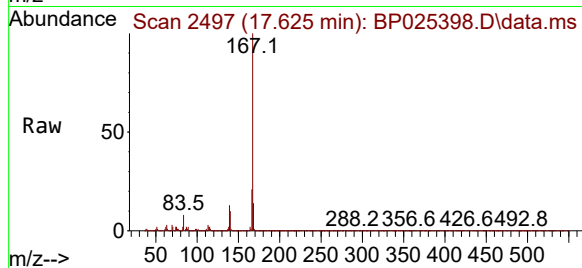




#73
Carbazole
Concen: 59.776 ng
RT: 17.625 min Scan# 2497
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

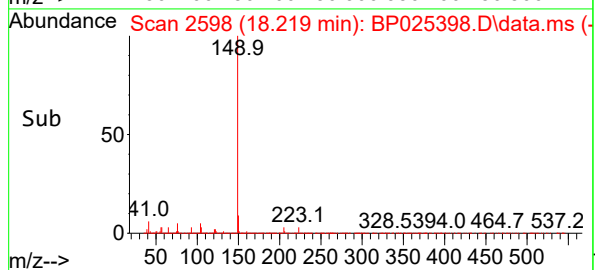
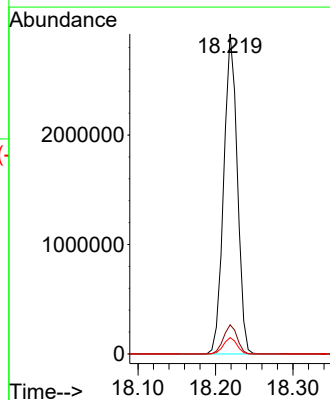
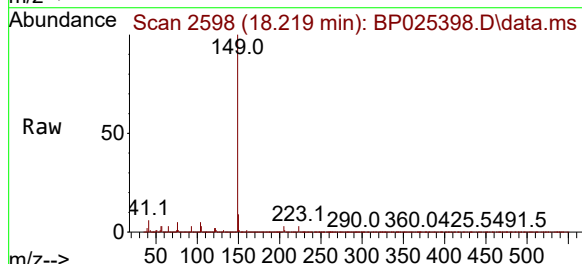
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

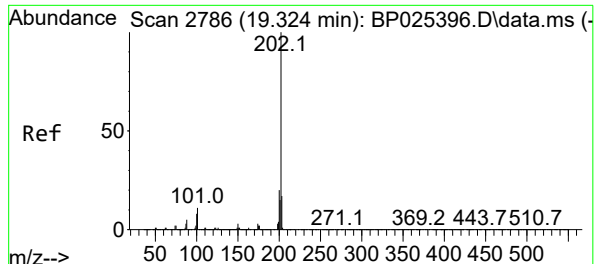
Tgt Ion:167 Resp: 2916606
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 13.4 10.6 16.0



#74
Di-n-butylphthalate
Concen: 59.310 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149 Resp: 3560427
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.1 4.2 6.2

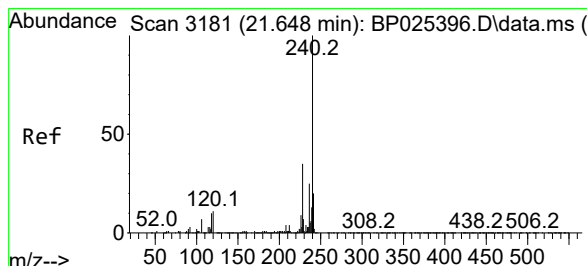
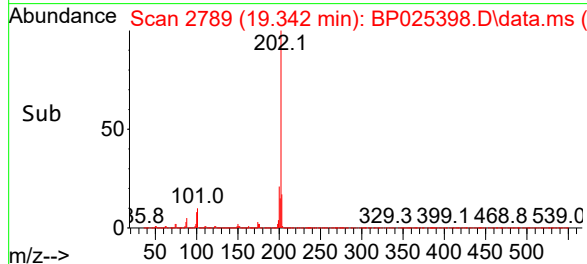
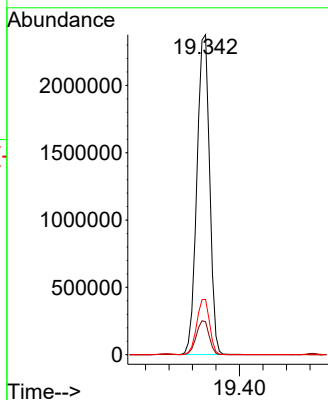
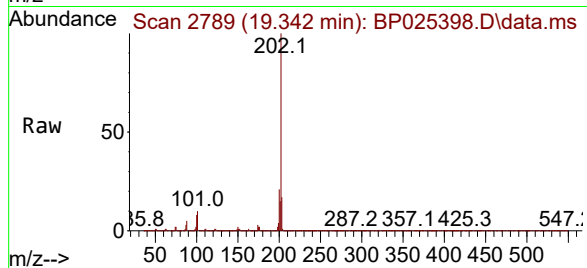




#75
Fluoranthene
Concen: 58.899 ng
RT: 19.342 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

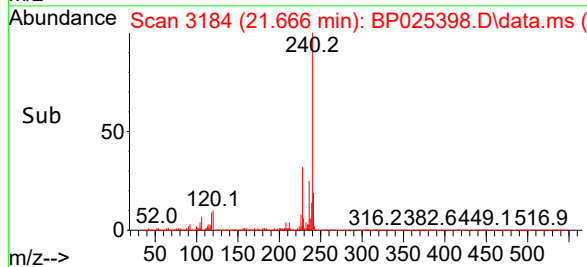
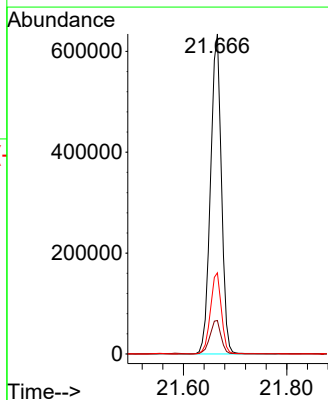
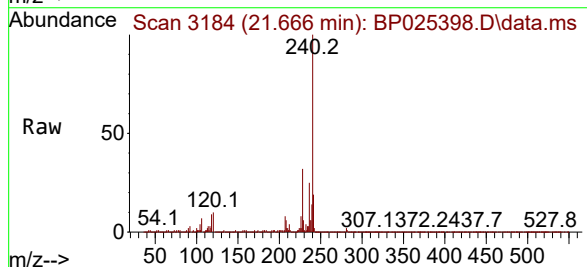
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

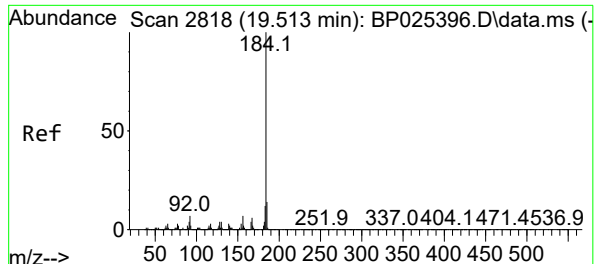
Tgt Ion:202 Resp: 3563798
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.1
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:240 Resp: 926019
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.3 19.8 29.8

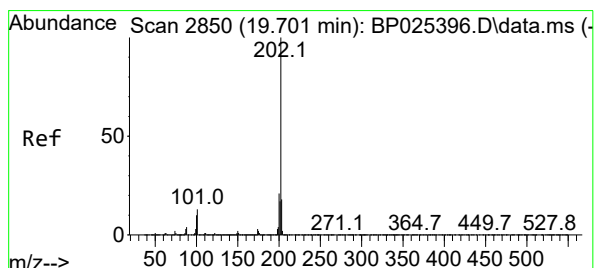
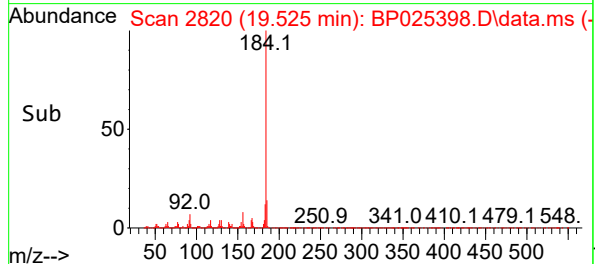
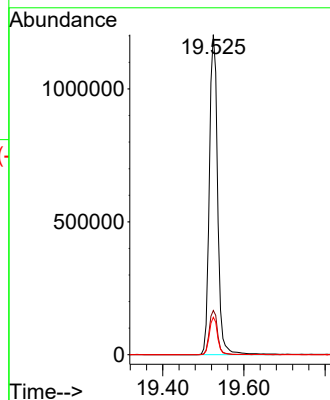
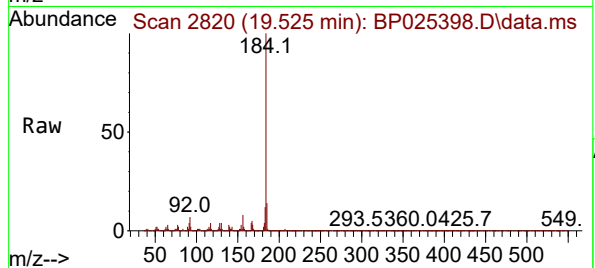




#77
Benzidine
Concen: 53.489 ng
RT: 19.525 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

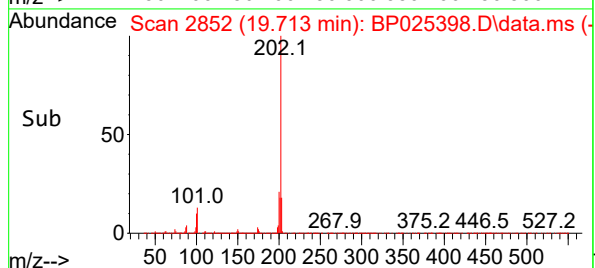
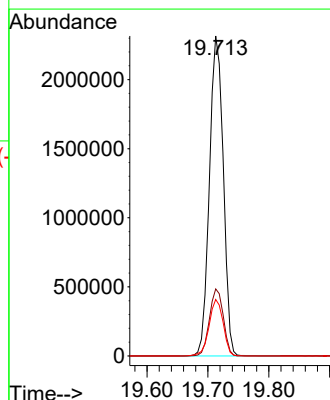
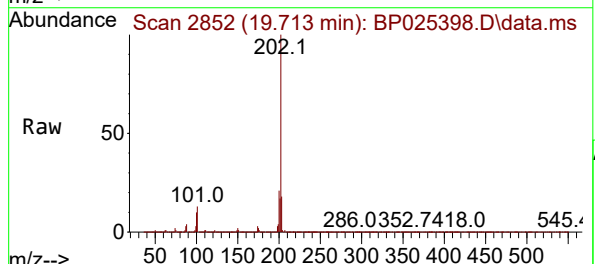
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

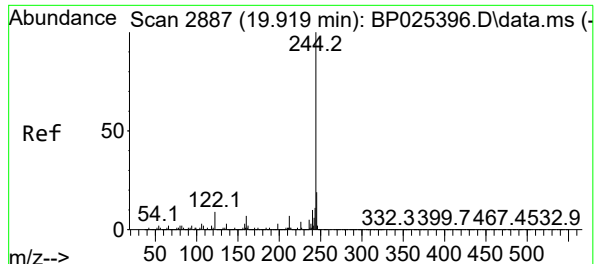
Tgt Ion:184 Resp: 1690432
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 11.7 9.4 14.2



#78
Pyrene
Concen: 60.883 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:202 Resp: 3664453
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 116.490 ng

RT: 19.930 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

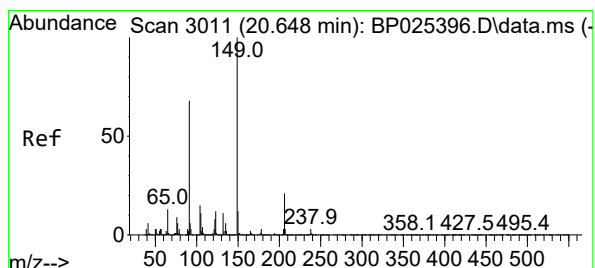
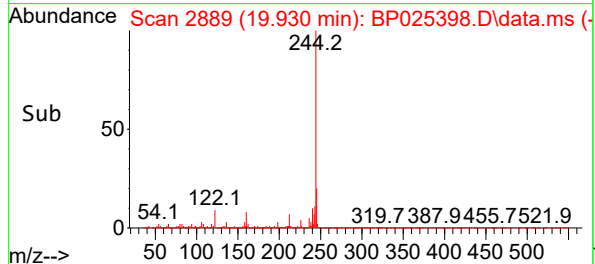
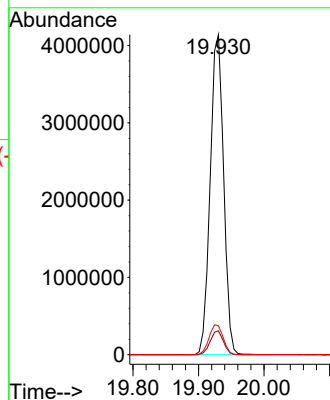
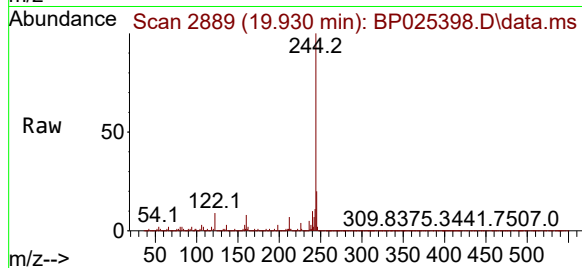
Tgt Ion:244 Resp: 5896004

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 9.0 7.4 11.2



#80

Butylbenzylphthalate

Concen: 62.697 ng

RT: 20.660 min Scan# 3013

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

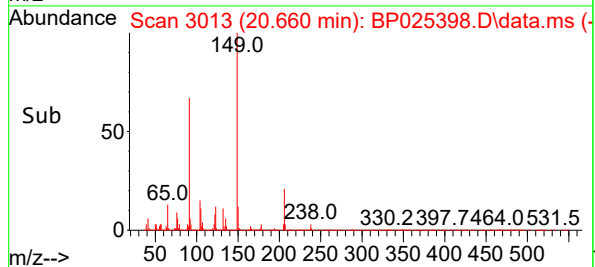
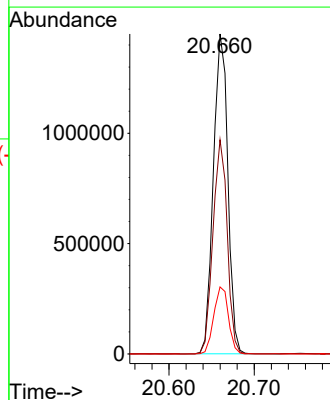
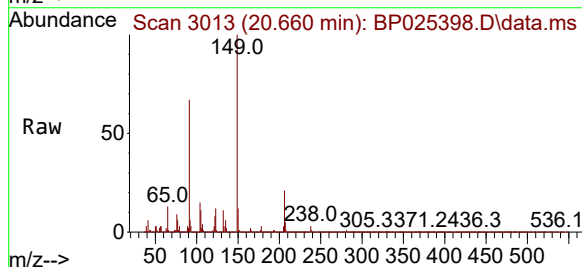
Tgt Ion:149 Resp: 1710246

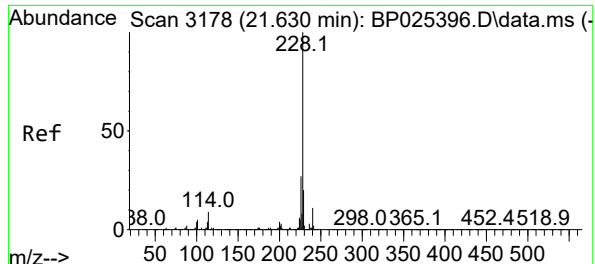
Ion Ratio Lower Upper

149 100

91 66.9 54.2 81.2

206 20.9 16.6 24.8

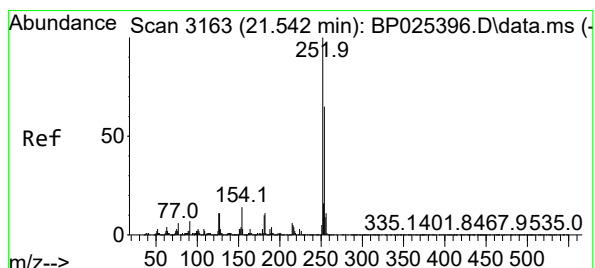
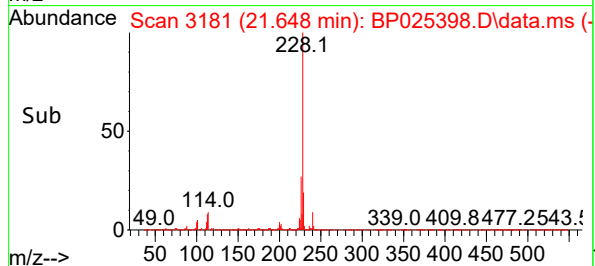
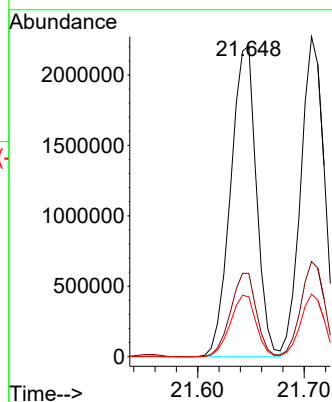
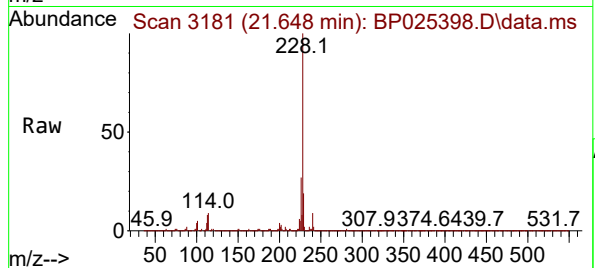




#81
Benzo(a)anthracene
Concen: 60.619 ng
RT: 21.648 min Scan# 3178
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

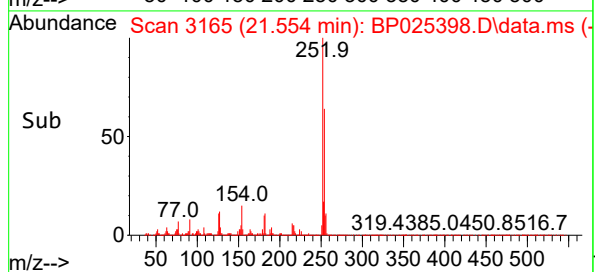
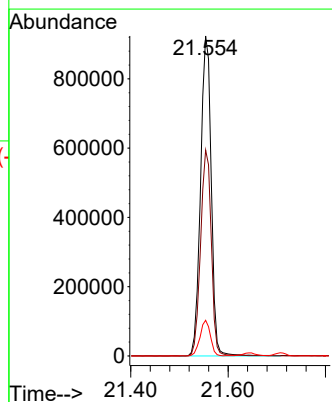
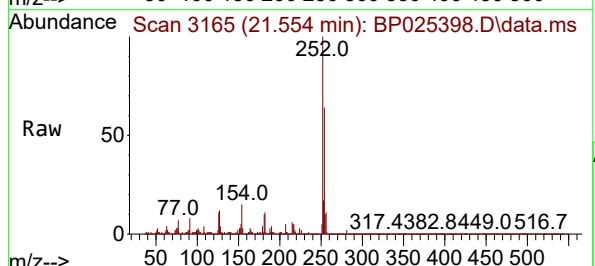
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

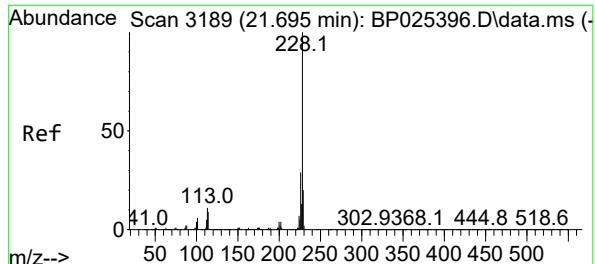
Tgt Ion:228 Resp: 3702064
Ion Ratio Lower Upper
228 100
226 26.8 21.7 32.5
229 19.2 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 61.062 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:252 Resp: 1405597
Ion Ratio Lower Upper
252 100
254 64.4 51.8 77.6
126 11.2 9.1 13.7





#83

Chrysene

Concen: 60.387 ng

RT: 21.707 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

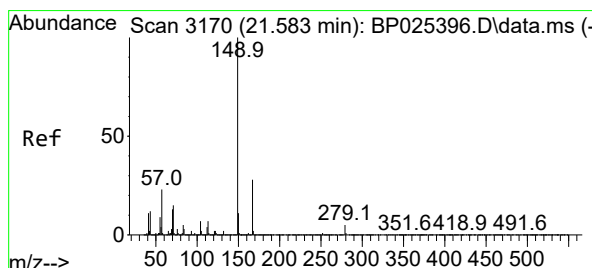
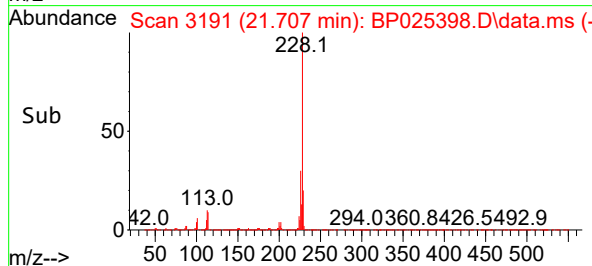
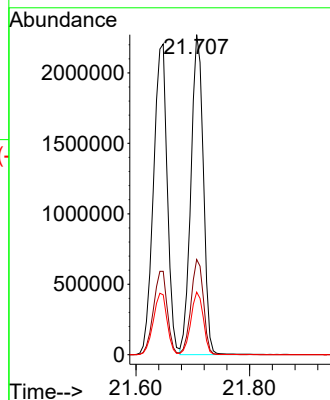
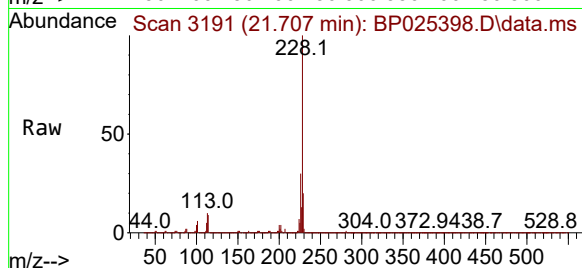
Tgt Ion:228 Resp: 3453736

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.038 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

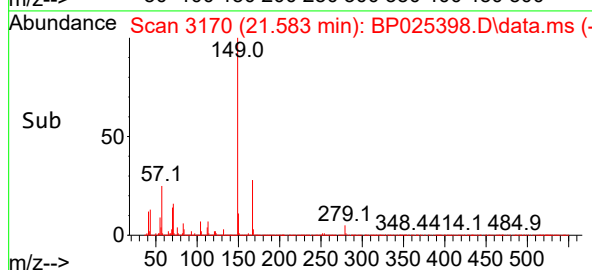
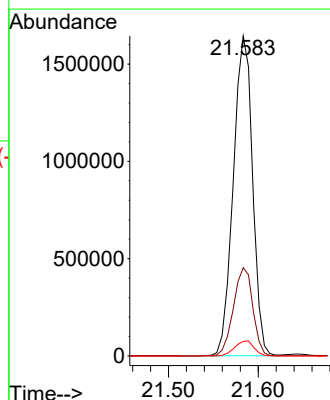
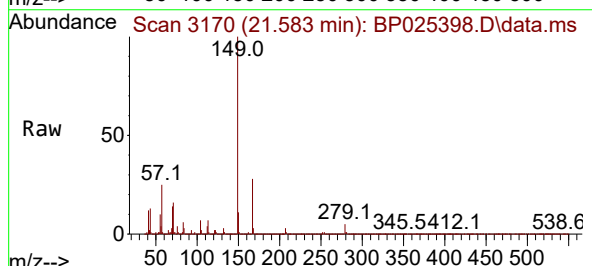
Tgt Ion:149 Resp: 2450963

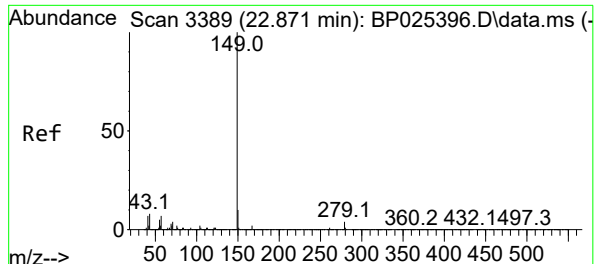
Ion Ratio Lower Upper

149 100

167 27.6 22.1 33.1

279 4.6 3.8 5.6

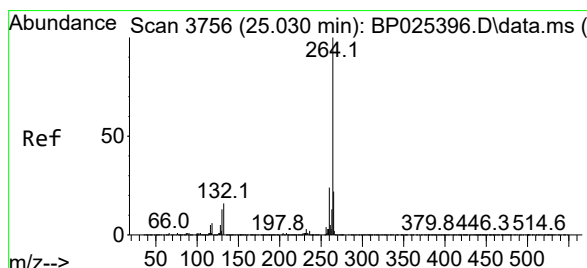
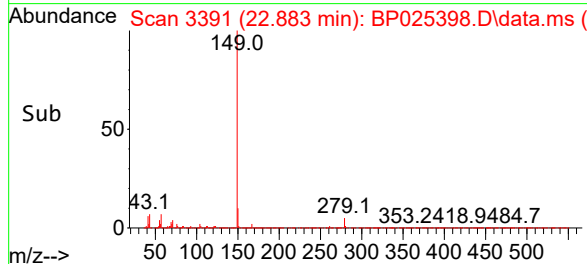
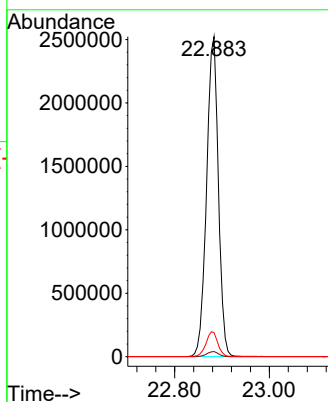
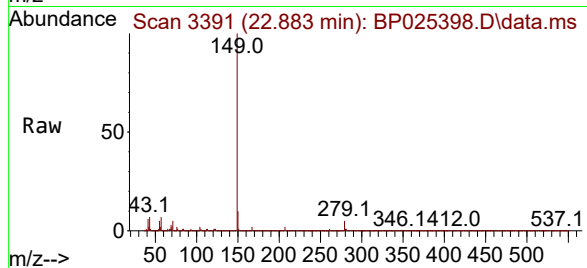




#85
Di-n-octyl phthalate
Concen: 62.869 ng
RT: 22.883 min Scan# 311
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

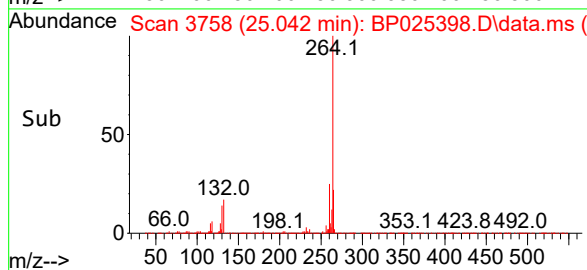
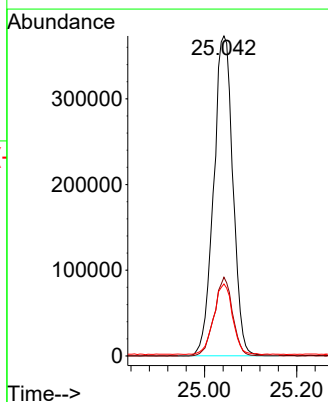
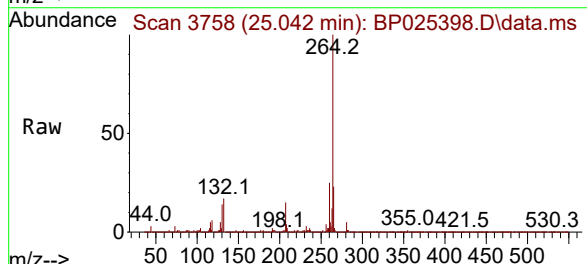
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

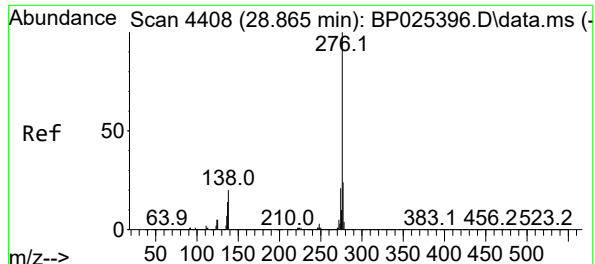
Tgt Ion:149 Resp: 4342211
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.8 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3758
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:264 Resp: 1081163
Ion Ratio Lower Upper
264 100
260 24.6 19.3 28.9
265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 62.248 ng

RT: 28.901 min Scan# 4414

Delta R.T. 0.035 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

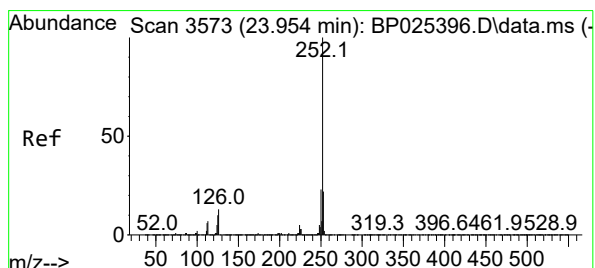
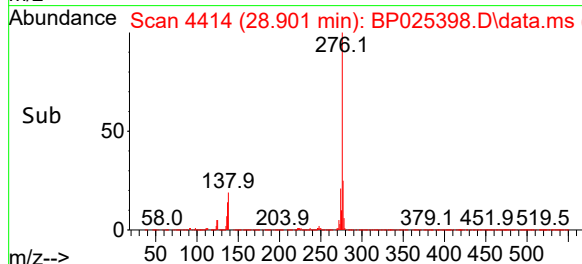
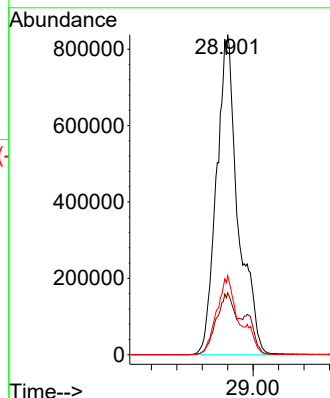
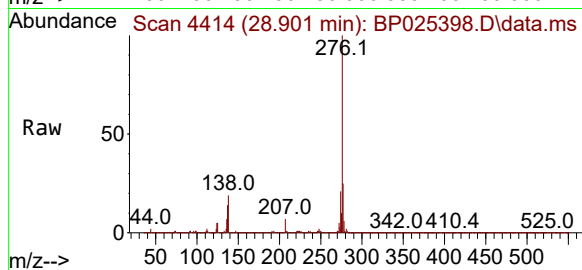
BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:276 Resp: 4937235

Ion	Ratio	Lower	Upper
276	100		
138	18.5	12.9	19.3
277	22.4	17.0	25.6



#88

Benzo(b)fluoranthene

Concen: 60.914 ng

RT: 23.960 min Scan# 3574

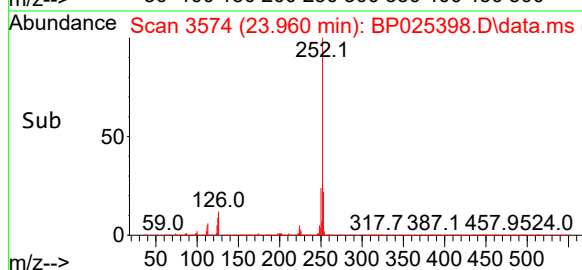
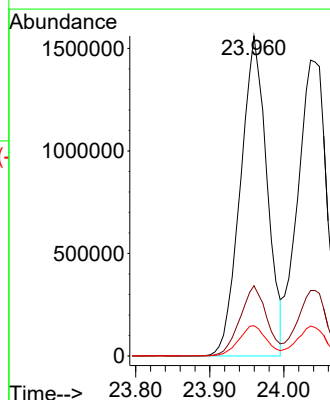
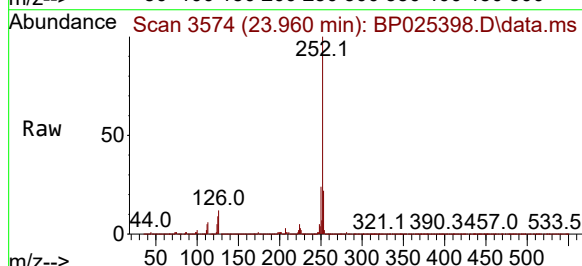
Delta R.T. 0.006 min

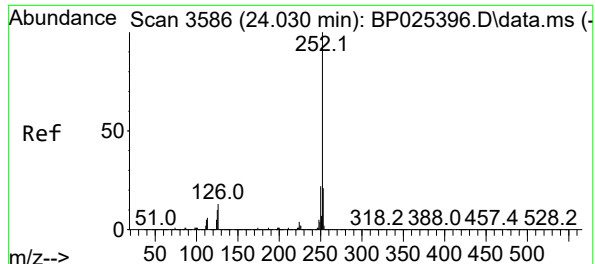
Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Tgt Ion:252 Resp: 3883465

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.4	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 61.334 ng

RT: 24.036 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

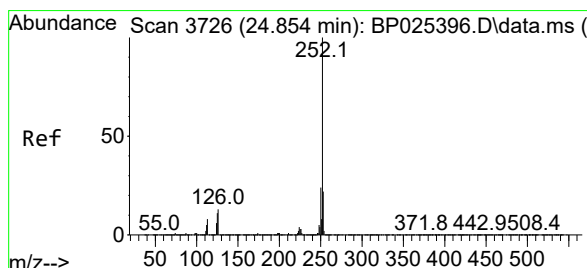
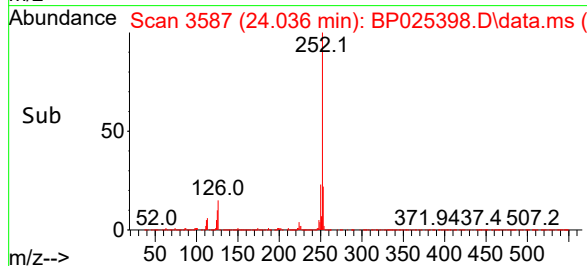
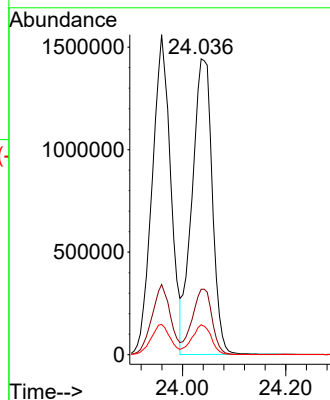
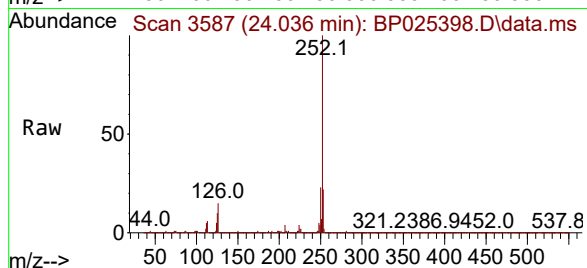
Tgt Ion:252 Resp: 3912900

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 10.1 7.8 11.6



#90

Benzo(a)pyrene

Concen: 61.959 ng

RT: 24.883 min Scan# 3731

Delta R.T. 0.030 min

Lab File: BP025398.D

Acq: 14 Aug 2025 16:42

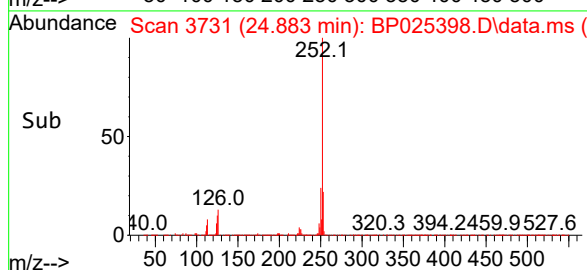
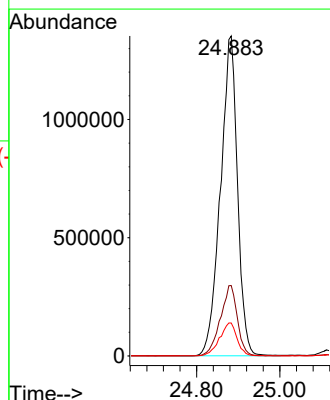
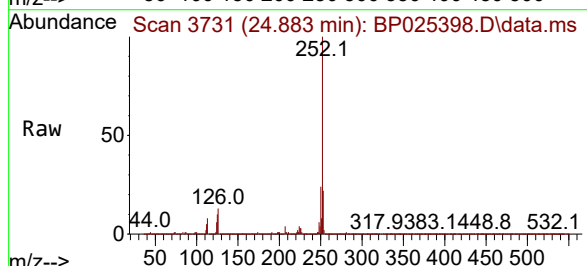
Tgt Ion:252 Resp: 3845093

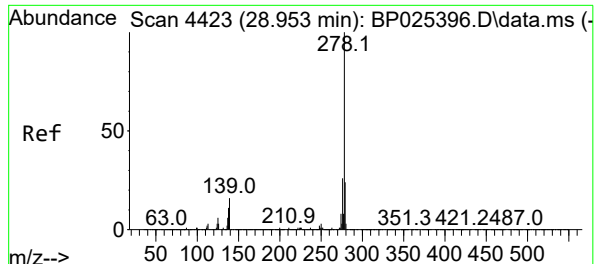
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.3 8.7 13.1

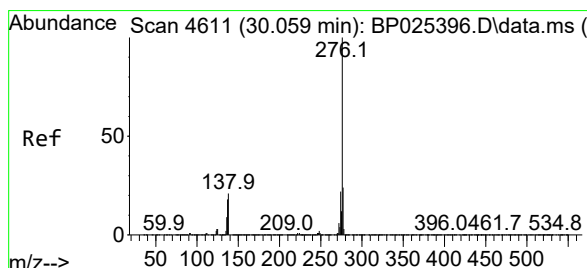
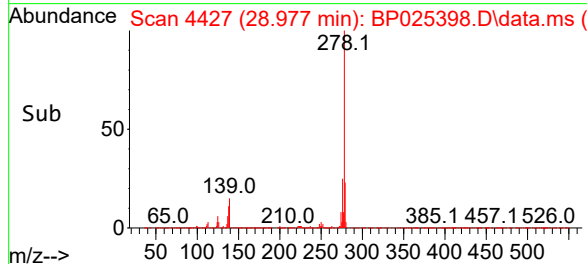
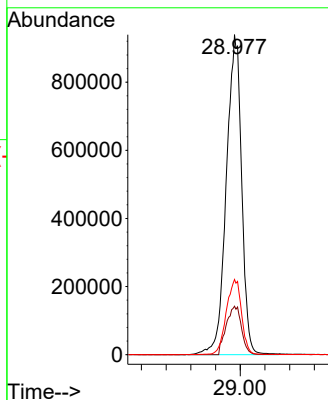
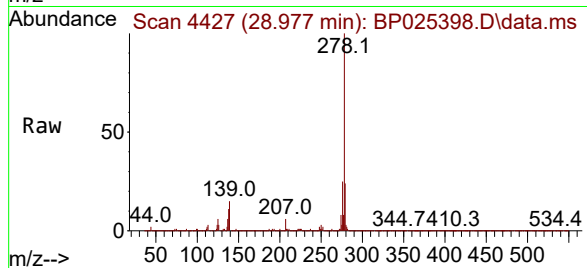




#91
Dibenzo(a,h)anthracene
Concen: 62.280 ng
RT: 28.977 min Scan# 4423
Delta R.T. 0.024 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

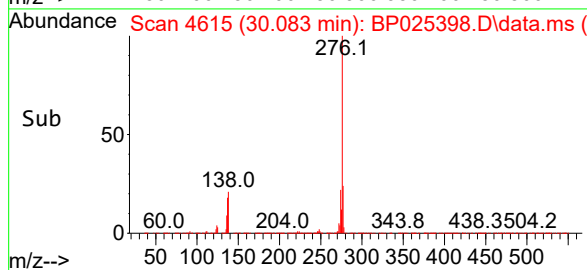
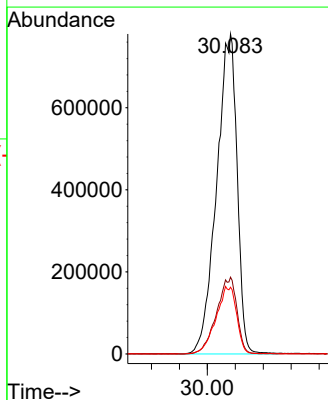
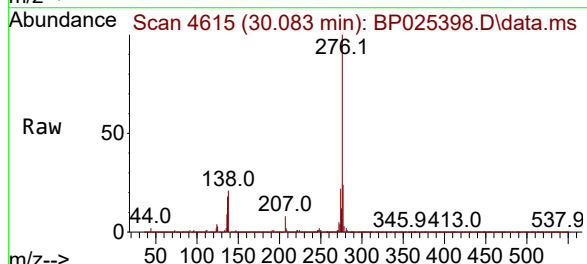
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 4035414
Ion Ratio Lower Upper
278 100
139 15.1 13.0 19.4
279 23.5 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 62.159 ng
RT: 30.083 min Scan# 4615
Delta R.T. 0.024 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:276 Resp: 3958545
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.0
138 20.8 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	159148	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	673018	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	436046	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	856946	20.000	ng	# 0.00
76) Chrysene-d12	21.660	240	888879	20.000	ng	0.01
86) Perylene-d12	25.030	264	1037707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1526166	159.254	ng	0.00
7) Phenol-d6	6.972	99	1989633	161.937	ng	0.00
23) Nitrobenzene-d5	8.937	82	2123522	159.609	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	936489	159.559	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	4712591	147.705	ng	0.00
79) Terphenyl-d14	19.930	244	7103816	146.217	ng	0.01
Target Compounds						
2) 1,4-Dioxane	3.337	88	291527	77.664	ng	Qvalue 99
3) Pyridine	3.731	79	807269	78.572	ng	97
4) n-Nitrosodimethylamine	3.637	42	344349	81.296	ng	99
6) Aniline	7.131	93	1333221	80.538	ng	100
8) 2-Chlorophenol	7.372	128	877073	81.104	ng	99
9) Benzaldehyde	6.943	77	582344	67.651	ng	98
10) Phenol	7.002	94	1040534	80.710	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	798672	79.481	ng	99
12) 1,3-Dichlorobenzene	7.684	146	950596	79.718	ng	98
13) 1,4-Dichlorobenzene	7.825	146	961421	78.882	ng	99
14) 1,2-Dichlorobenzene	8.143	146	922658	78.203	ng	99
15) Benzyl Alcohol	8.031	79	795618	81.498	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1059824	78.732	ng	99
17) 2-Methylphenol	8.225	107	734482	82.028	ng	100
18) Hexachloroethane	8.866	117	355791	79.395	ng	94
19) n-Nitroso-di-n-propyla...	8.596	70	636387	78.102	ng	99
20) 3+4-Methylphenols	8.555	107	1005632	81.023	ng	97
22) Acetophenone	8.607	105	1314548	77.886	ng	99
24) Nitrobenzene	8.978	77	947511	79.686	ng	99
25) Isophorone	9.507	82	1829675	77.708	ng	99
26) 2-Nitrophenol	9.678	139	511806	83.872	ng	99
27) 2,4-Dimethylphenol	9.743	122	842467	80.280	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	1103640	77.542	ng	99
29) 2,4-Dichlorophenol	10.213	162	844787	81.037	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	892771	78.123	ng	98
31) Naphthalene	10.613	128	2722703	77.835	ng	99
32) Benzoic acid	9.901	122	686791	88.861	ng	99
33) 4-Chloroaniline	10.713	127	1232431	79.761	ng	100
34) Hexachlorobutadiene	10.901	225	557922	78.393	ng	99
35) Caprolactam	11.519	113	302874	79.233	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	949779	79.399	ng	99
37) 2-Methylnaphthalene	12.213	142	1761325	77.372	ng	99
38) 1-Methylnaphthalene	12.437	142	1844376	76.186	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	995064	79.014	ng	100
41) Hexachlorocyclopentadiene	12.572	237	668771	87.916	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	706484	83.096	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025399.D
 Acq On : 14 Aug 2025 17:24
 Operator : CG/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	762861	81.870	ng	99
46) 1,1'-Biphenyl	13.231	154	2453536	77.476	ng	99
47) 2-Chloronaphthalene	13.272	162	1918120	77.804	ng	100
48) 2-Nitroaniline	13.472	65	594696	82.788	ng	96
49) Acenaphthylene	14.125	152	3194918	78.318	ng	100
50) Dimethylphthalate	13.860	163	2446951	76.632	ng	99
51) 2,6-Dinitrotoluene	13.972	165	542710	80.639	ng	99
52) Acenaphthene	14.472	154	1841448	76.902	ng	99
53) 3-Nitroaniline	14.301	138	618087	81.627	ng	100
54) 2,4-Dinitrophenol	14.507	184	339125	94.356	ng	100
55) Dibenzofuran	14.807	168	2915933	77.023	ng	99
56) 4-Nitrophenol	14.619	139	520294	83.618	ng	96
57) 2,4-Dinitrotoluene	14.766	165	791214	82.399	ng	99
58) Fluorene	15.466	166	2185593	73.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	661890	80.448	ng	100
60) Diethylphthalate	15.242	149	2494087	76.870	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	1105157	74.388	ng	97
62) 4-Nitroaniline	15.484	138	626525	80.710	ng	97
63) Azobenzene	15.760	77	2139674	77.017	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	472602	88.473	ng	93
66) n-Nitrosodiphenylamine	15.678	169	2034782	77.866	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	745915	79.144	ng	98
68) Hexachlorobenzene	16.495	284	860051	78.721	ng	97
69) Atrazine	16.654	200	783533	80.064	ng	98
70) Pentachlorophenol	16.842	266	589673	85.502	ng	98
71) Phenanthrene	17.242	178	3623454	76.972	ng	99
72) Anthracene	17.336	178	3702277	77.014	ng	99
73) Carbazole	17.607	167	3503273	77.368	ng	99
74) Di-n-butylphthalate	18.219	149	4336701	77.844	ng	100
75) Fluoranthene	19.330	202	4313301	76.815	ng	99
77) Benzidine	19.525	184	2036246	67.124	ng	99
78) Pyrene	19.707	202	4410693	76.343	ng	99
80) Butylbenzylphthalate	20.660	149	2054404	78.460	ng	97
81) Benzo(a)anthracene	21.642	228	4532763	77.322	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1705746	77.197	ng	100
83) Chrysene	21.707	228	4218161	76.835	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	3021891	78.400	ng	100
85) Di-n-octyl phthalate	22.877	149	5302080	79.974	ng	100
87) Indeno(1,2,3-cd)pyrene	28.895	276	6168570m	81.030	ng	
88) Benzo(b)fluoranthene	23.977	252	4876398	79.692	ng	100
89) Benzo(k)fluoranthene	24.054	252	4734637	77.323	ng	99
90) Benzo(a)pyrene	24.889	252	4735685	79.505	ng	99
91) Dibenzo(a,h)anthracene	28.983	278	5046260	81.142	ng	99
92) Benzo(g,h,i)perylene	30.106	276	4949477	80.973	ng	98

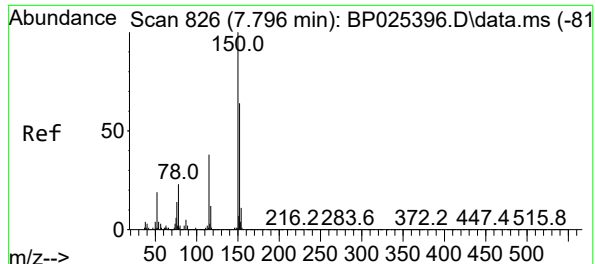
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

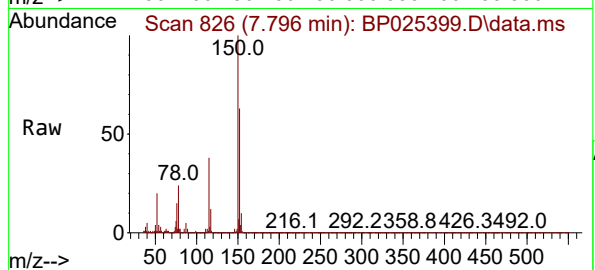
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jaagrut Upadhyay 08/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

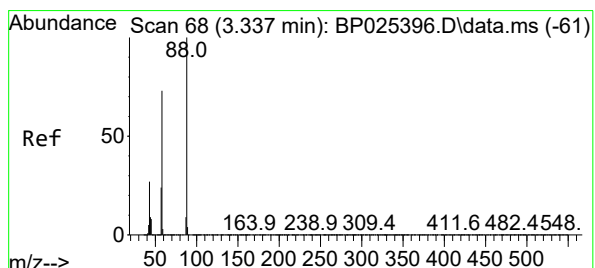
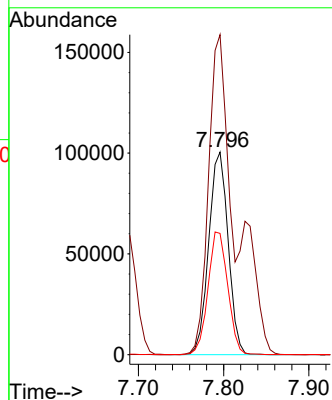
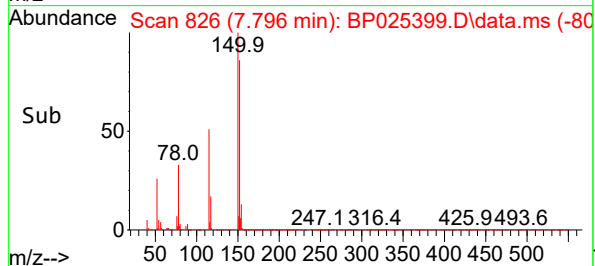
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion: 152 Resp: 15914
Ion Ratio Lower Upper
152 100
150 157.9 125.9 188.9
115 59.9 48.5 72.7

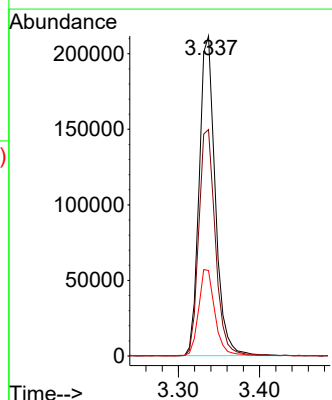
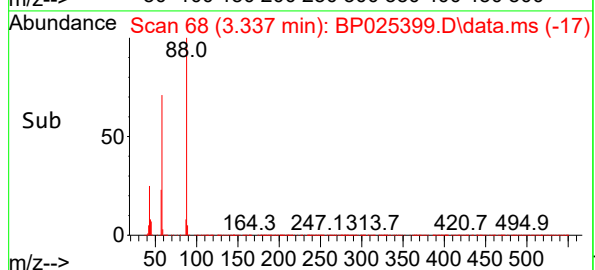
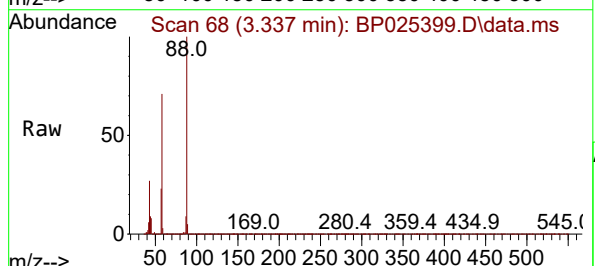
Manual Integrations
APPROVED

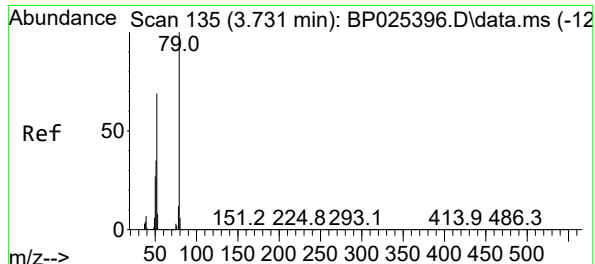
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 77.664 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 88 Resp: 291527
Ion Ratio Lower Upper
88 100
58 73.3 59.2 88.8
43 27.4 21.7 32.5





#3

Pyridine

Concen: 78.572 ng

RT: 3.731 min Scan# 119

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 807269

Ion Ratio Lower Upper

79 100

52 72.4 55.5 83.3

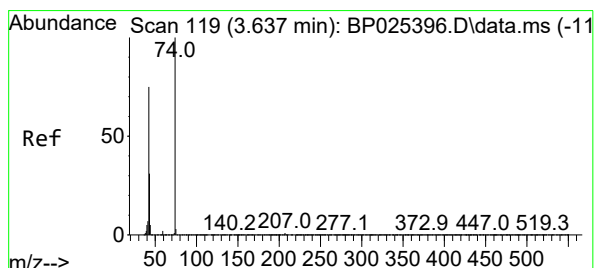
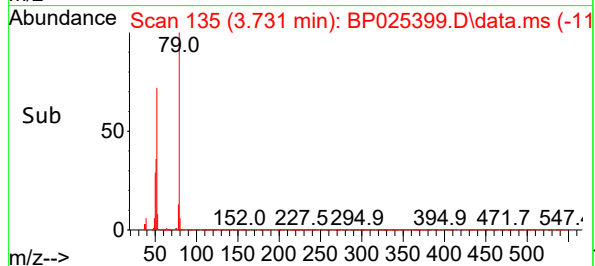
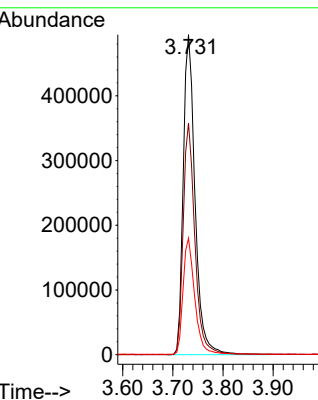
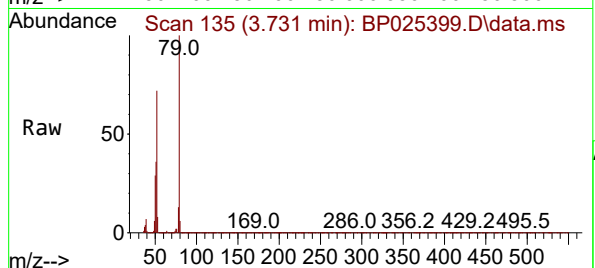
51 36.4 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#4

n-Nitrosodimethylamine

Concen: 81.296 ng

RT: 3.637 min Scan# 119

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

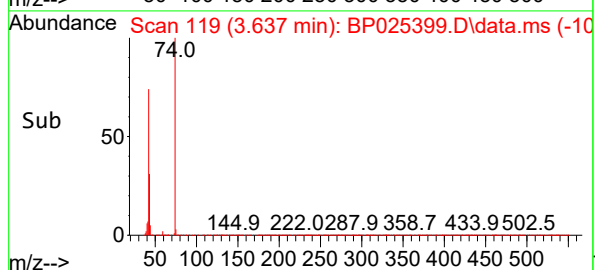
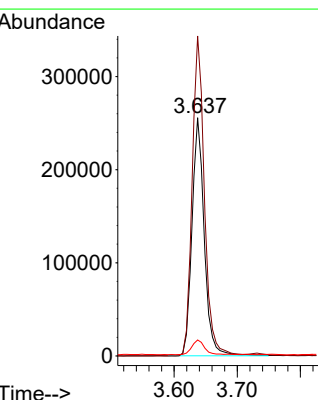
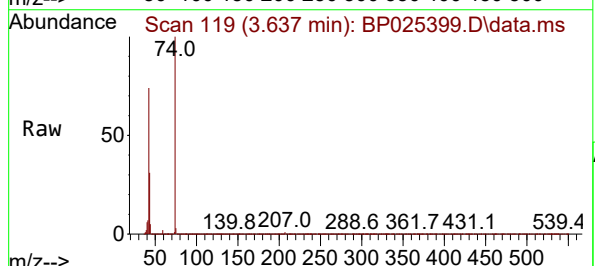
Tgt Ion: 42 Resp: 344349

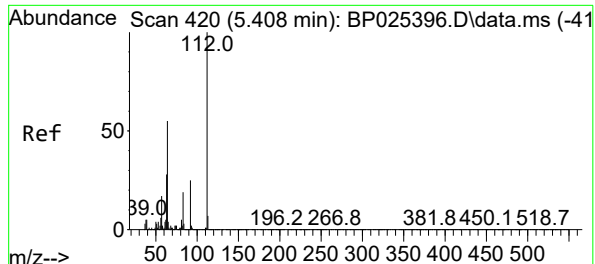
Ion Ratio Lower Upper

42 100

74 134.3 107.0 160.4

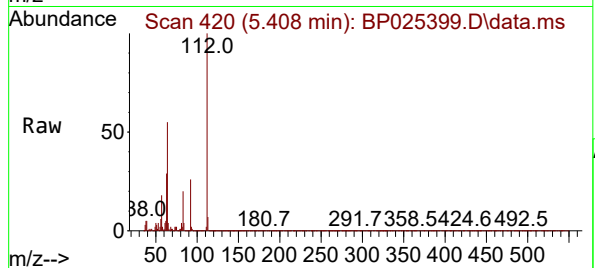
44 6.7 6.2 9.4





#5
2-Fluorophenol
Concen: 159.254 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

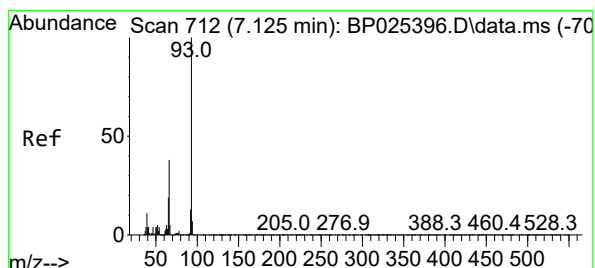
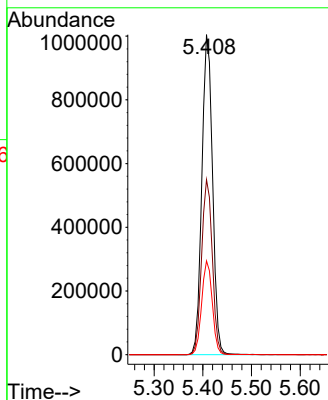
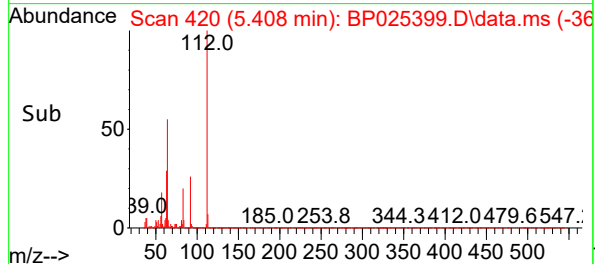
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion: 112 Resp: 152616
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 29.3 22.7 34.1

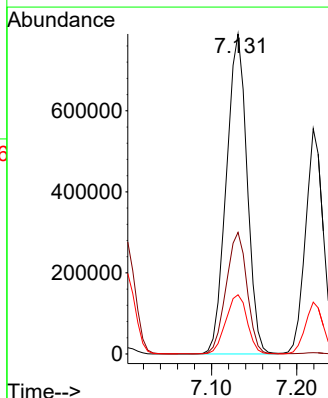
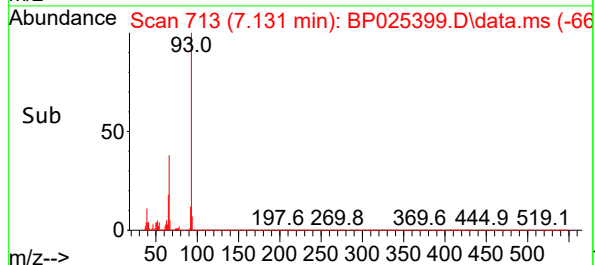
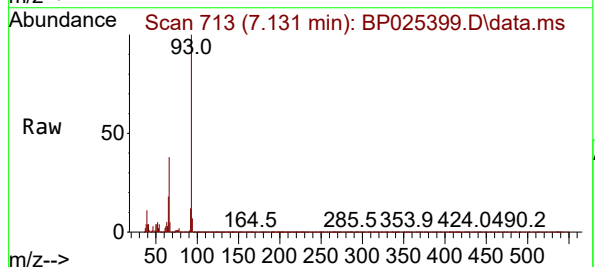
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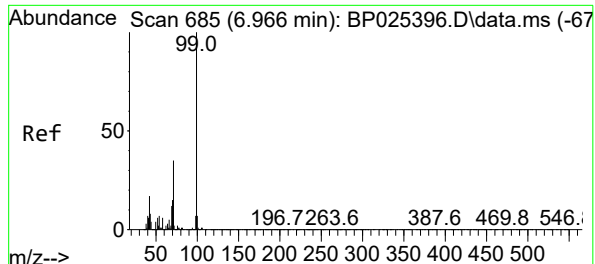
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 80.538 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1333221
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 18.5 15.3 22.9





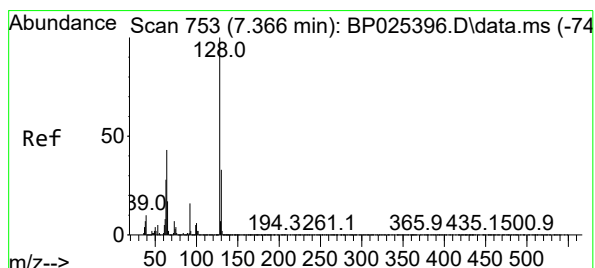
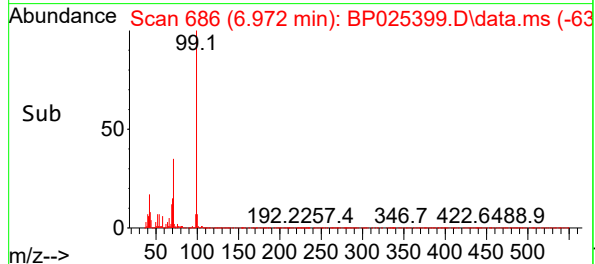
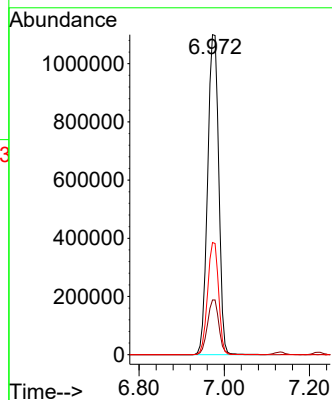
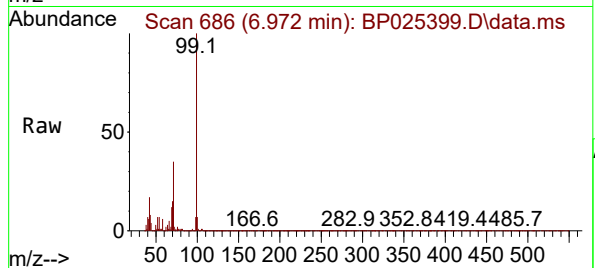
#7
Phenol-d6
Concen: 161.937 ng
RT: 6.972 min Scan# 685
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 198963
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 35.1 28.2 42.4

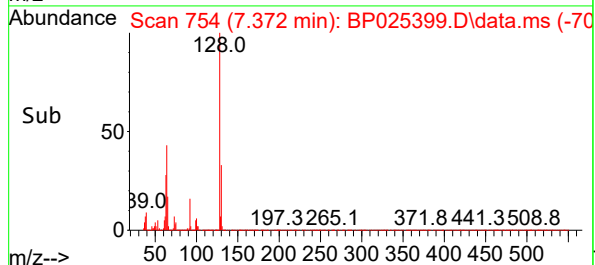
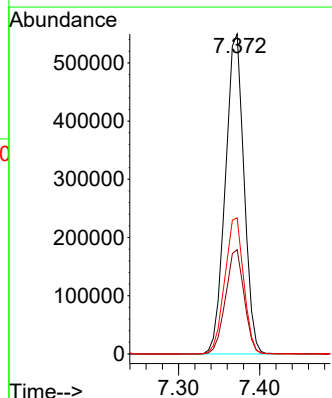
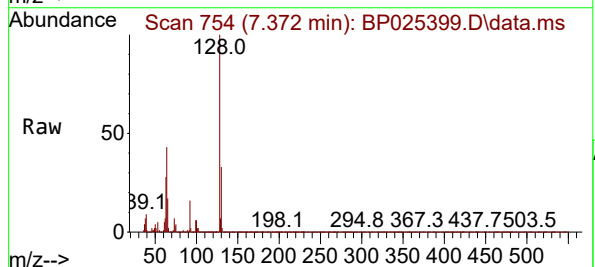
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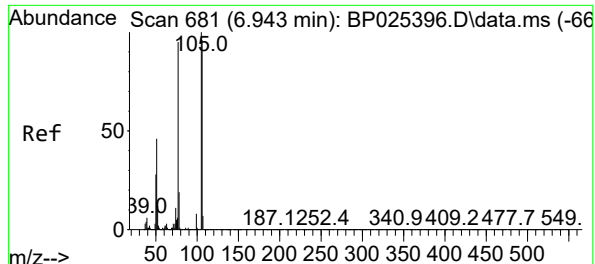
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#8
2-Chlorophenol
Concen: 81.104 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:128 Resp: 877073
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 42.5 23.4 63.4





#9

Benzaldehyde

Concen: 67.651 ng

RT: 6.943 min Scan# 681

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 58234

Ion Ratio Lower Upper

77 100

105 103.0 84.8 124.8

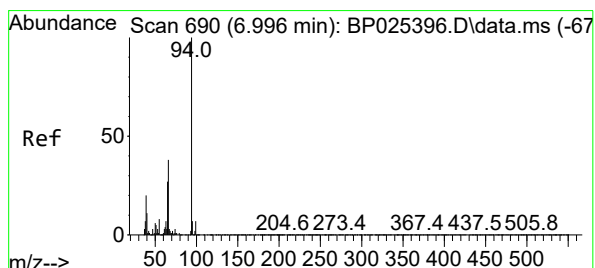
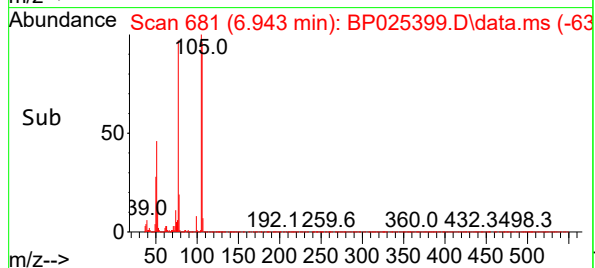
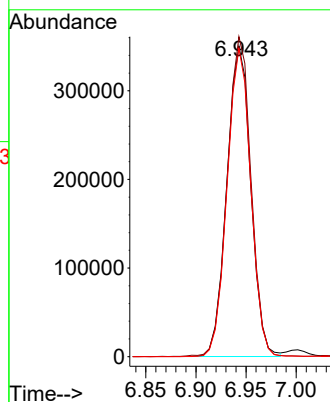
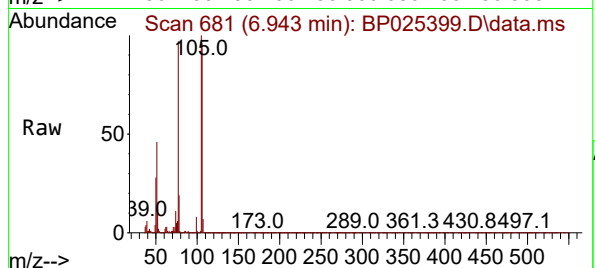
106 99.3 80.5 120.5

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#10

Phenol

Concen: 80.710 ng

RT: 7.002 min Scan# 691

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

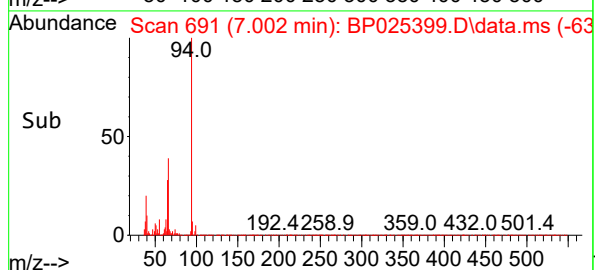
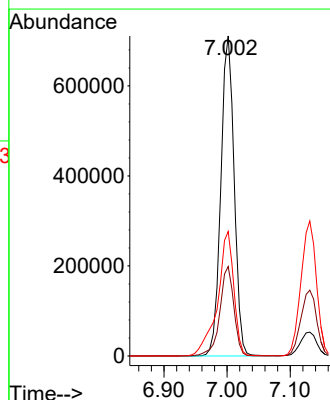
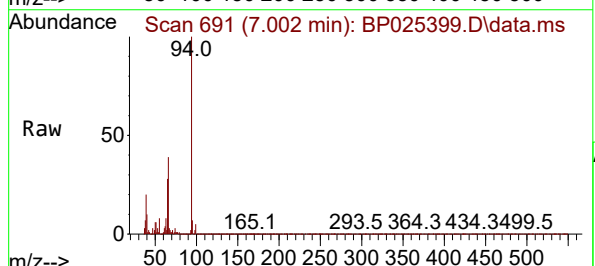
Tgt Ion: 94 Resp: 1040534

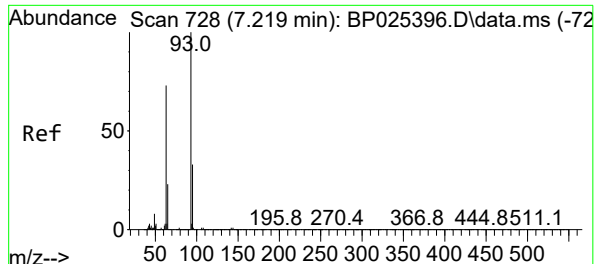
Ion Ratio Lower Upper

94 100

65 28.0 6.8 46.8

66 38.9 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 79.481 ng

RT: 7.219 min Scan# 701

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 798672

Ion Ratio Lower Upper

93 100

63 71.7 52.6 92.6

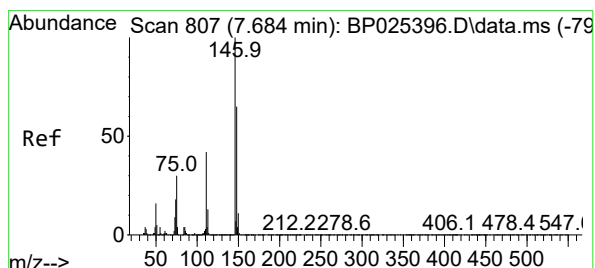
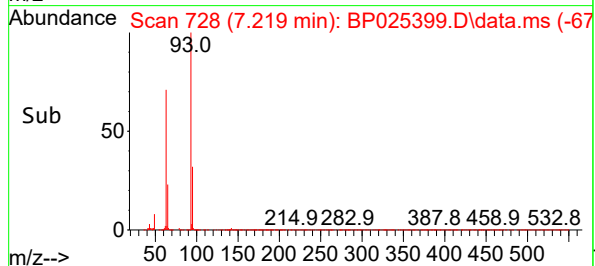
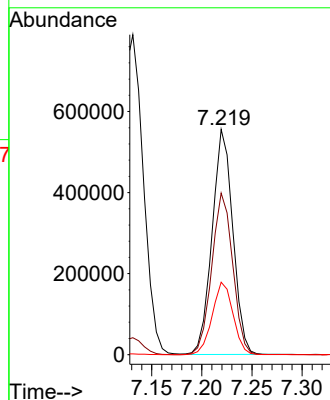
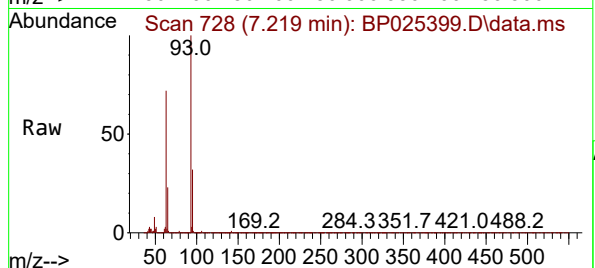
95 32.2 12.7 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#12

1,3-Dichlorobenzene

Concen: 79.718 ng

RT: 7.684 min Scan# 807

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

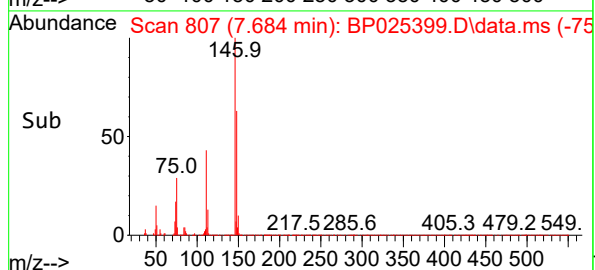
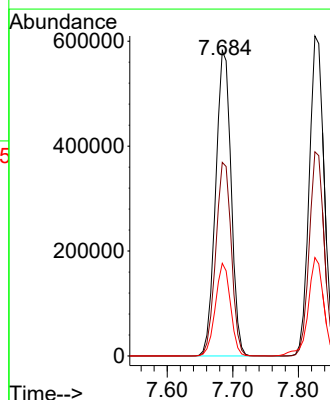
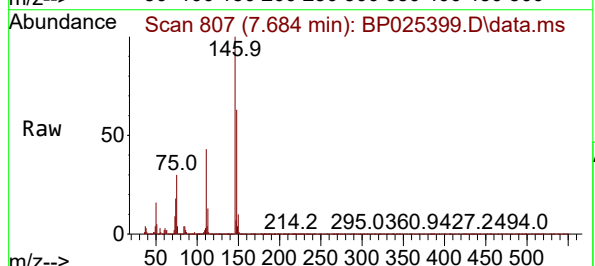
Tgt Ion:146 Resp: 950596

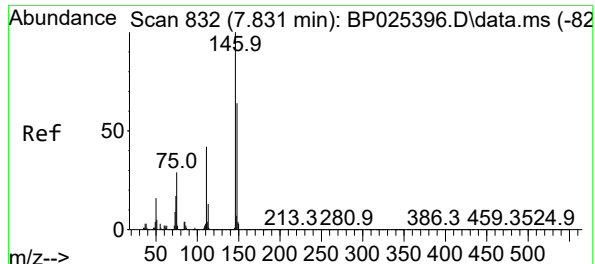
Ion Ratio Lower Upper

146 100

148 63.4 51.9 77.9

75 30.3 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 78.882 ng

RT: 7.825 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 96142

Ion Ratio Lower Upper

146 100

148 63.8 51.6 77.4

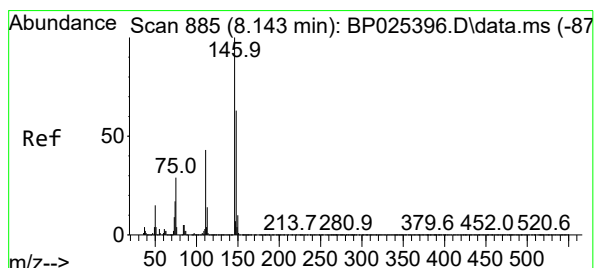
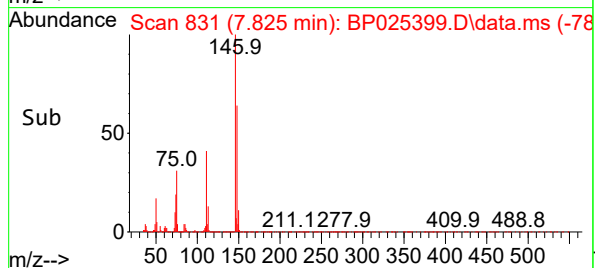
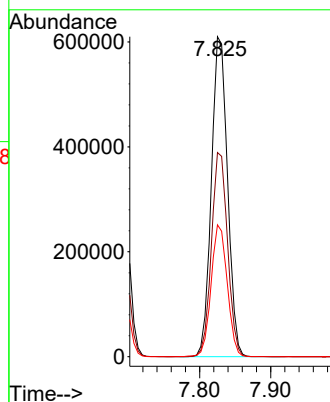
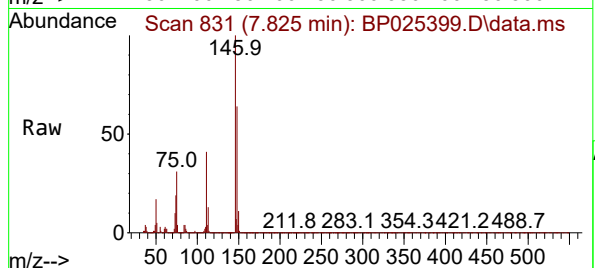
111 41.2 33.4 50.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#14

1,2-Dichlorobenzene

Concen: 78.203 ng

RT: 8.143 min Scan# 885

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

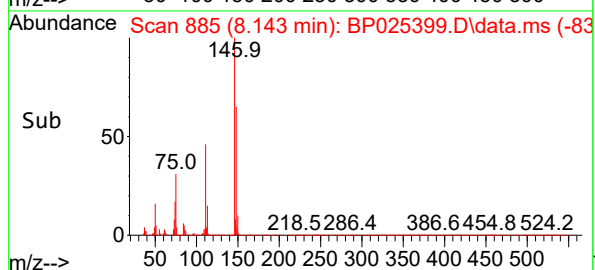
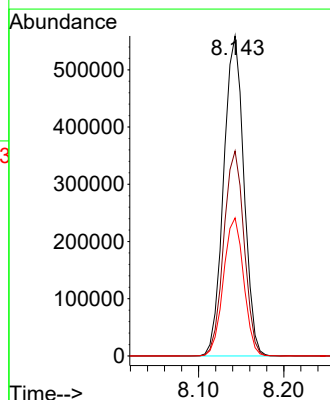
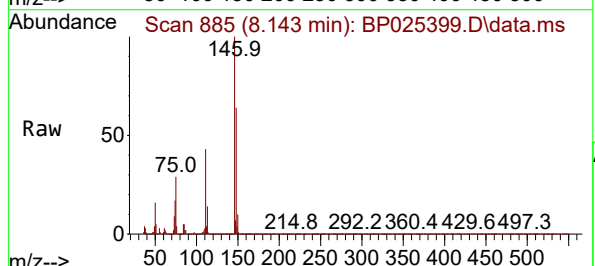
Tgt Ion:146 Resp: 922658

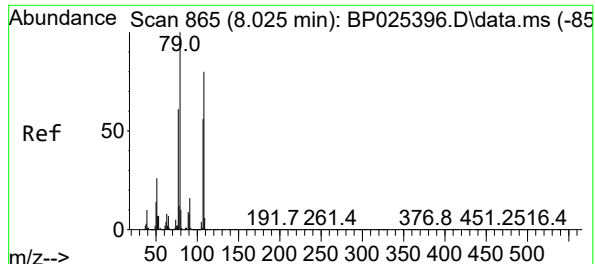
Ion Ratio Lower Upper

146 100

148 64.1 50.4 75.6

111 43.1 34.5 51.7





#15

Benzyl Alcohol

Concen: 81.498 ng

RT: 8.031 min Scan# 80

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDIC080

Tgt Ion: 79 Resp: 795618

Ion Ratio Lower Upper

79 100

108 78.3 63.8 95.6

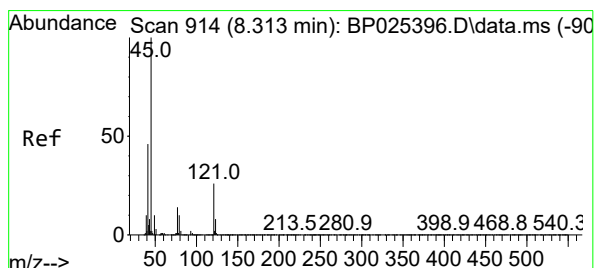
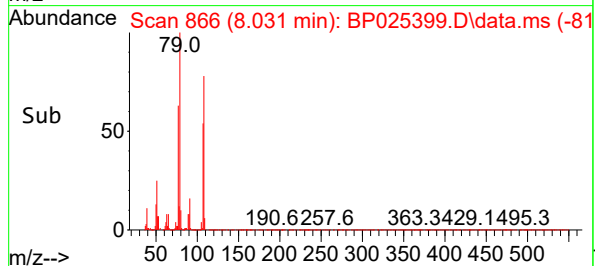
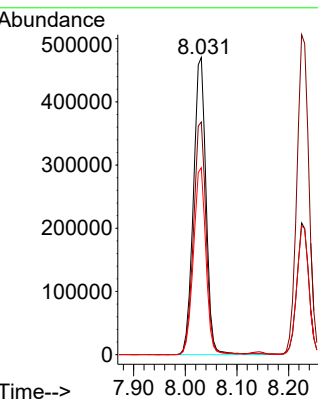
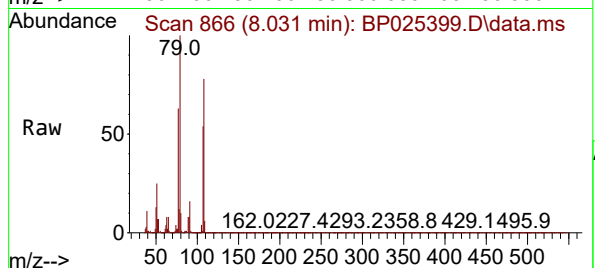
77 62.8 49.0 73.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 78.732 ng

RT: 8.319 min Scan# 915

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

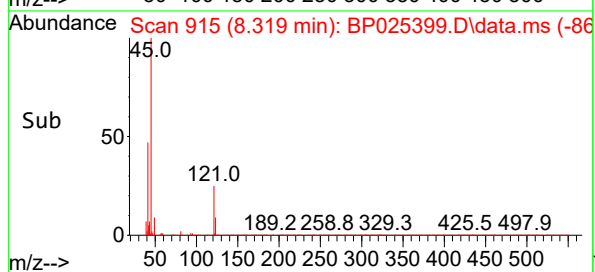
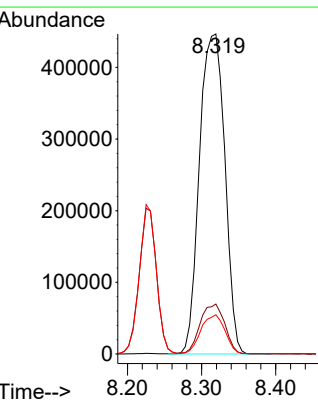
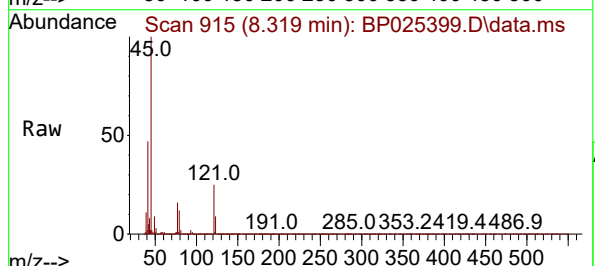
Tgt Ion: 45 Resp: 1059824

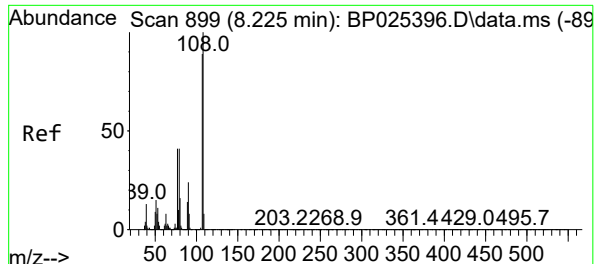
Ion Ratio Lower Upper

45 100

77 15.6 0.0 35.3

79 12.2 0.0 31.8





#17

2-Methylphenol

Concen: 82.028 ng

RT: 8.225 min Scan# 899

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:107 Resp: 73448

Ion Ratio Lower Upper

107 100

108 111.5 89.4 134.0

77 44.8 36.3 54.5

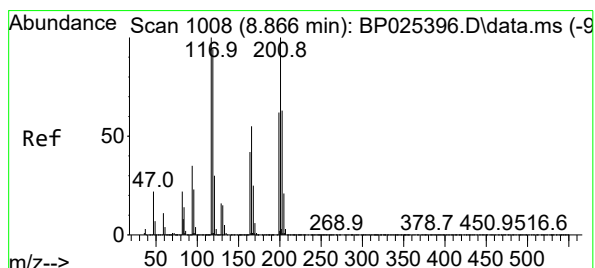
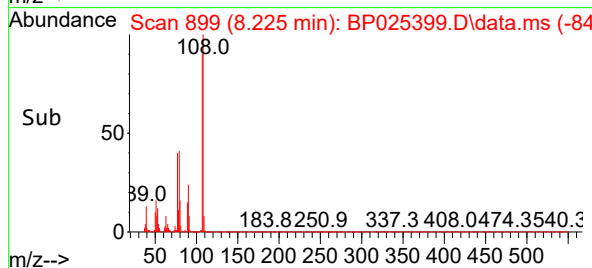
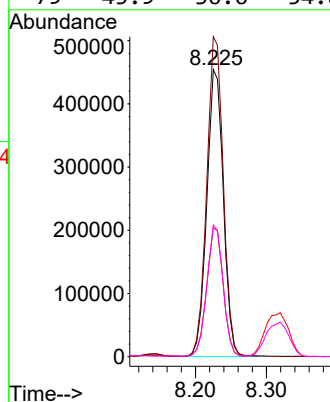
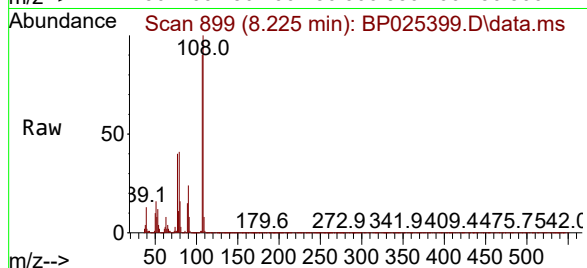
79 45.9 36.6 54.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#18

Hexachloroethane

Concen: 79.395 ng

RT: 8.866 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

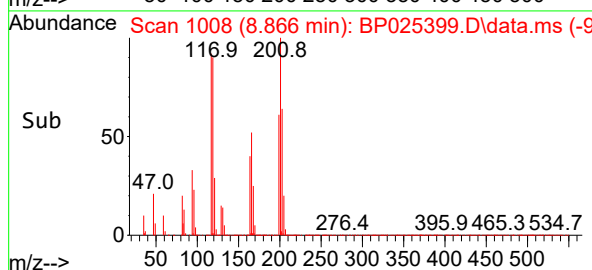
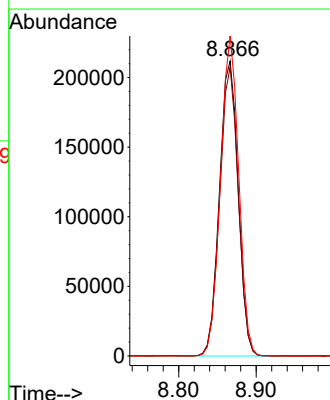
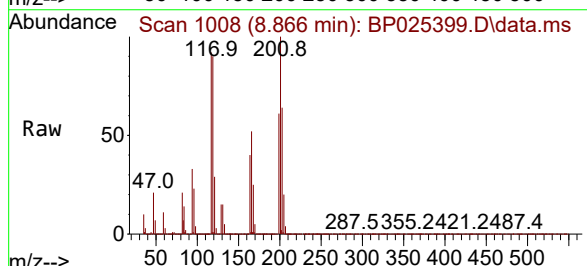
Tgt Ion:117 Resp: 355791

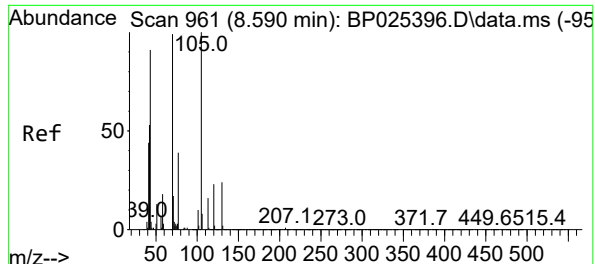
Ion Ratio Lower Upper

117 100

119 97.9 75.1 112.7

201 108.5 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 78.102 ng

RT: 8.596 min Scan# 961

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 63638

Ion Ratio Lower Upper

70 100

42 54.2 43.8 65.6

101 11.0 8.5 12.7

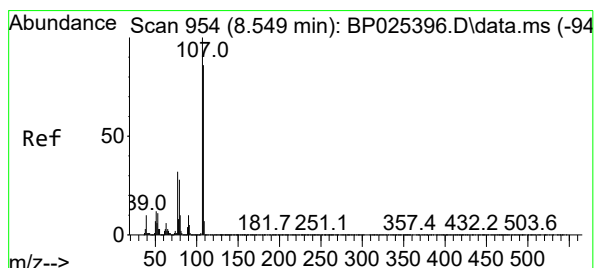
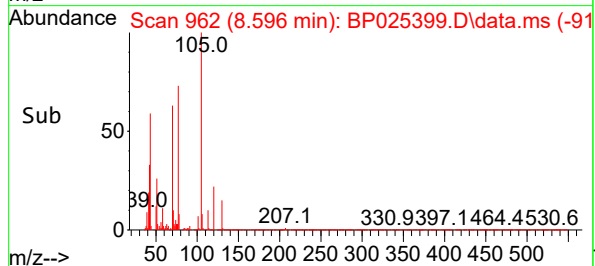
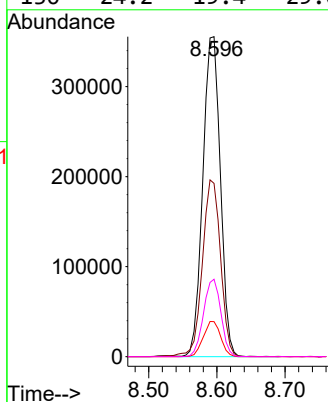
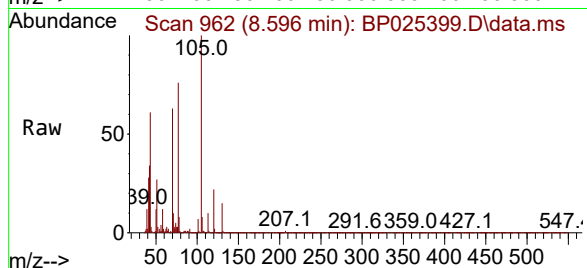
130 24.2 19.4 29.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#20

3+4-Methylphenols

Concen: 81.023 ng

RT: 8.555 min Scan# 955

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 1005632

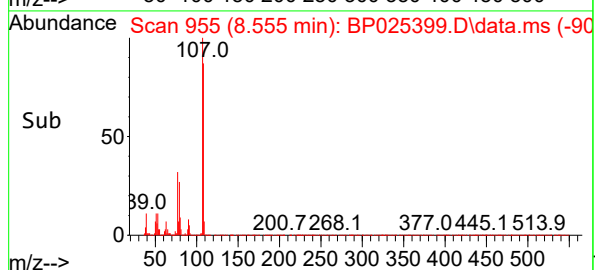
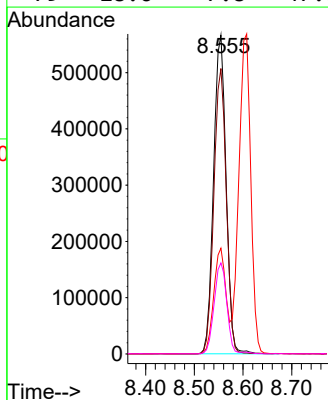
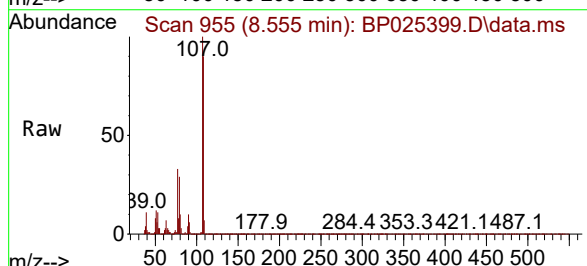
Ion Ratio Lower Upper

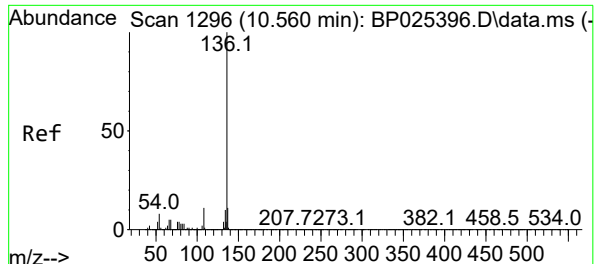
107 100

108 89.6 66.3 106.3

77 33.2 12.3 52.3

79 28.6 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.566 min Scan# 1296

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:136 Resp: 673018

Ion Ratio Lower Upper

136 100

137 10.1 9.2 13.8

54 7.8 6.0 9.0

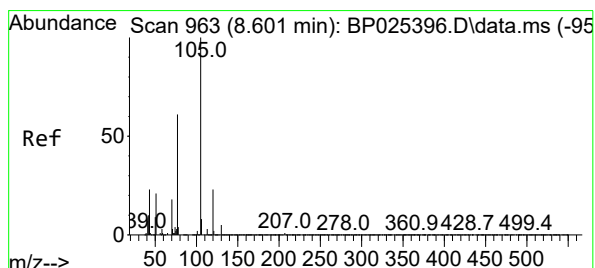
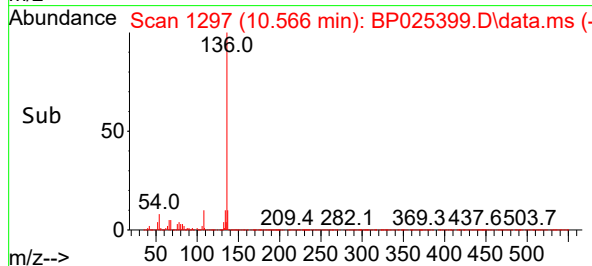
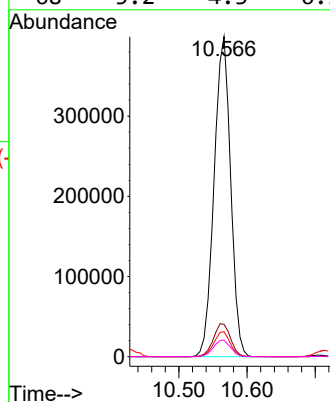
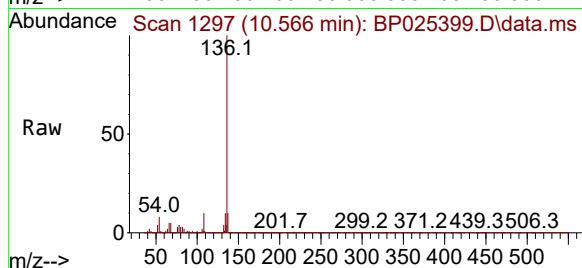
68 5.2 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#22

Acetophenone

Concen: 77.886 ng

RT: 8.607 min Scan# 964

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Tgt Ion:105 Resp: 1314548

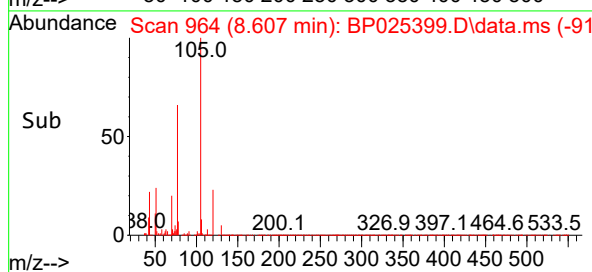
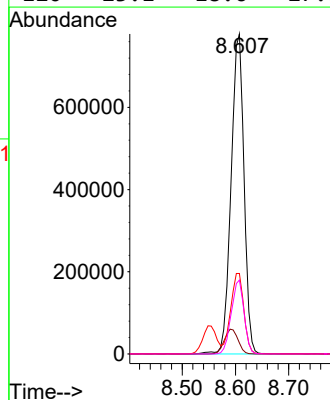
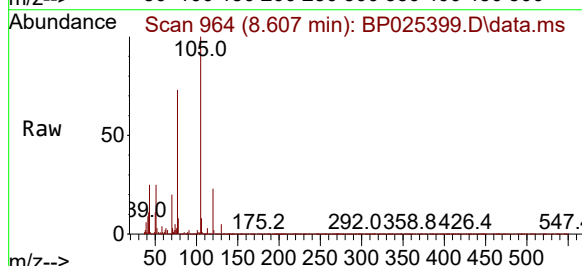
Ion Ratio Lower Upper

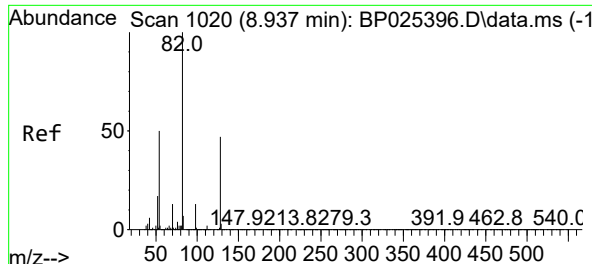
105 100

71 3.4 2.6 4.0

51 25.1 20.6 30.8

120 23.1 18.6 27.8





#23

Nitrobenzene-d5

Concen: 159.609 ng

RT: 8.937 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 212352

Ion Ratio Lower Upper

82 100

128 46.0 37.7 56.5

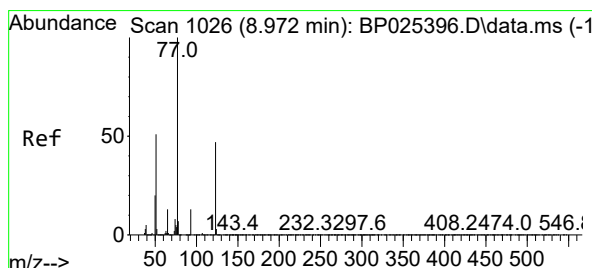
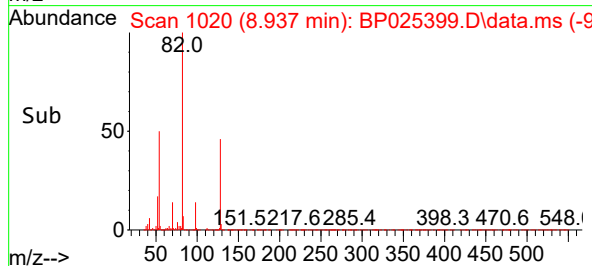
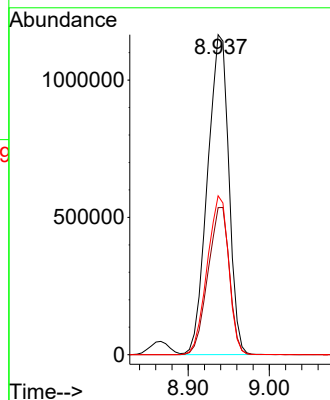
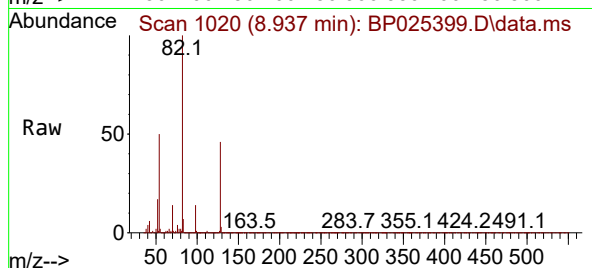
54 49.7 39.8 59.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#24

Nitrobenzene

Concen: 79.686 ng

RT: 8.978 min Scan# 1027

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

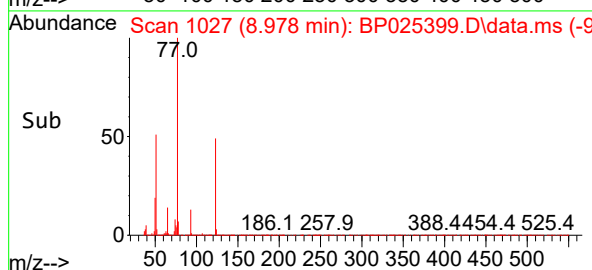
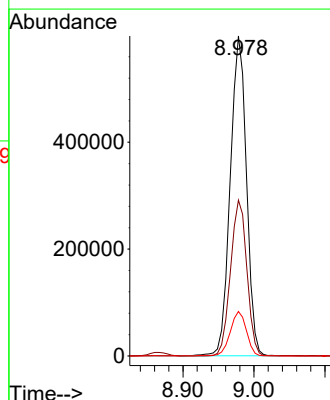
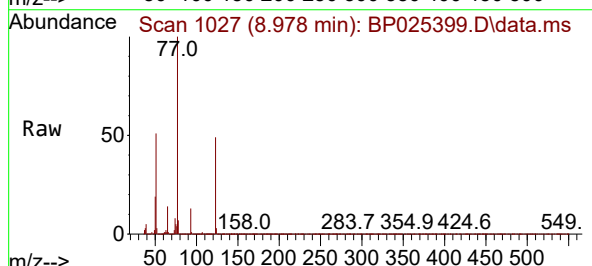
Tgt Ion: 77 Resp: 947511

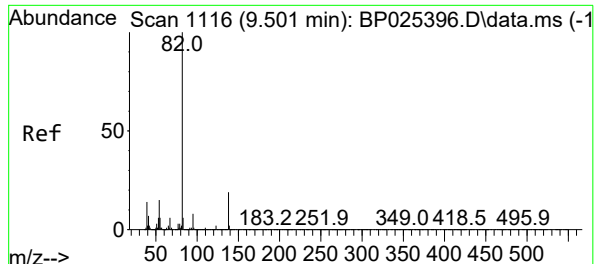
Ion Ratio Lower Upper

77 100

123 48.7 38.6 58.0

65 13.9 10.6 15.8





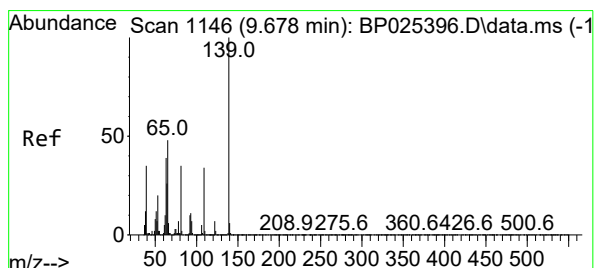
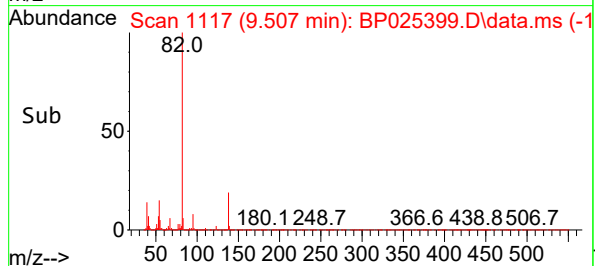
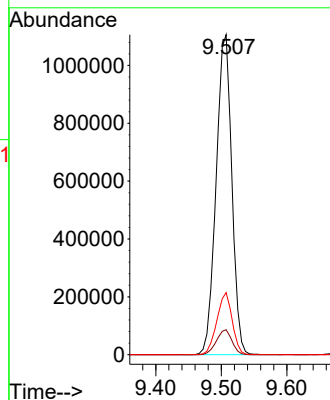
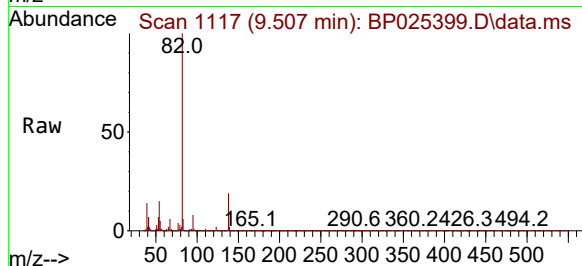
#25
Isophorone
Concen: 77.708 ng
RT: 9.507 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 182967
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 19.4 15.4 23.0

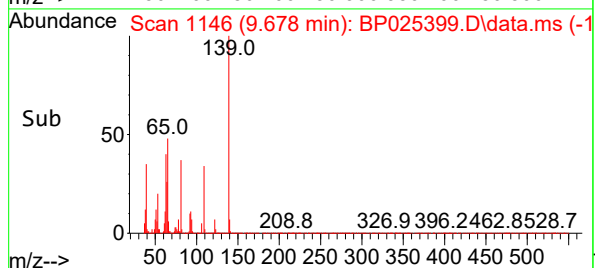
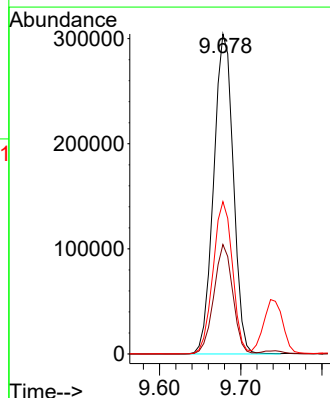
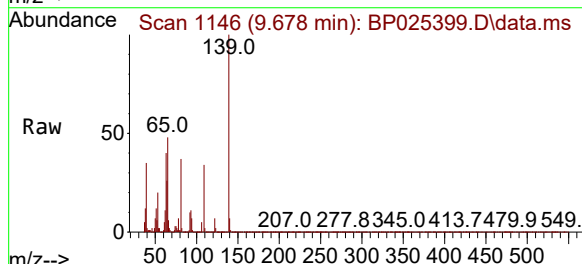
Manual Integrations
APPROVED

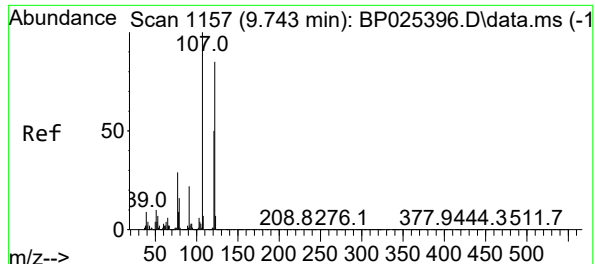
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#26
2-Nitrophenol
Concen: 83.872 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:139 Resp: 511806
Ion Ratio Lower Upper
139 100
109 34.2 26.9 40.3
65 47.6 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 80.280 ng

RT: 9.743 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 84246

Ion Ratio Lower Upper

122 100

107 116.4 93.7 140.5

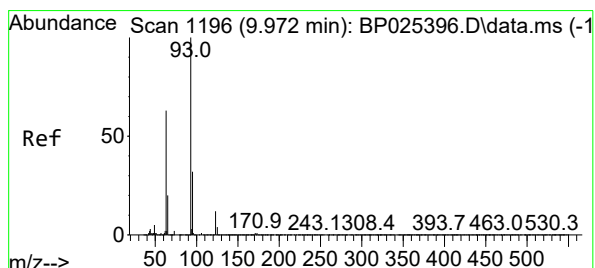
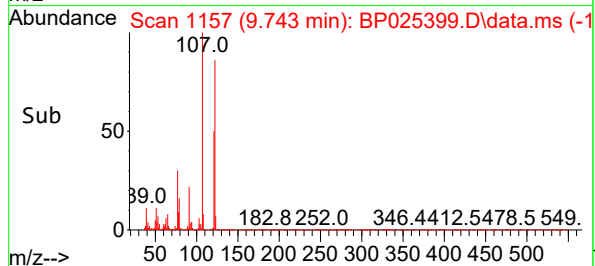
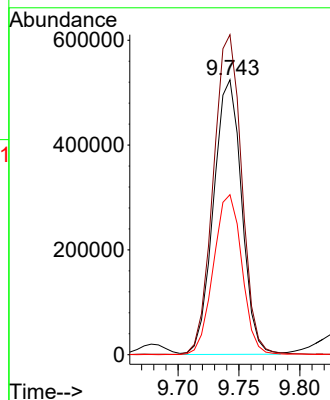
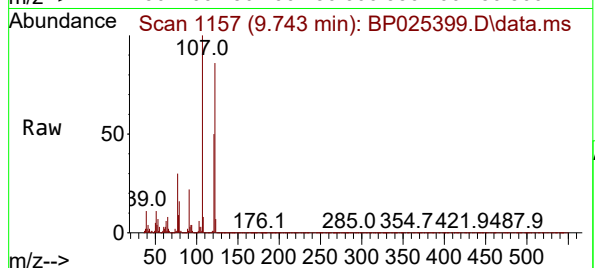
121 58.2 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 77.542 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

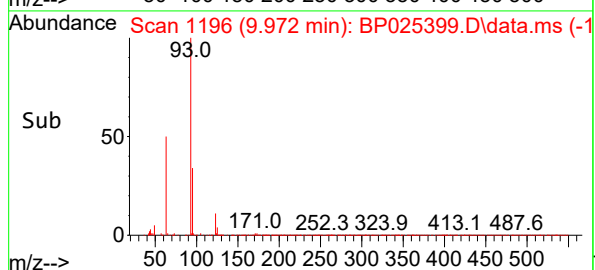
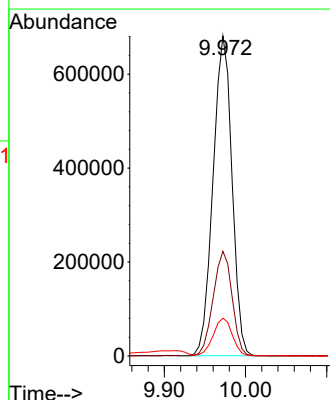
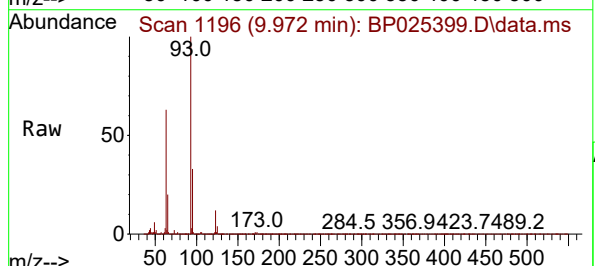
Tgt Ion: 93 Resp: 1103640

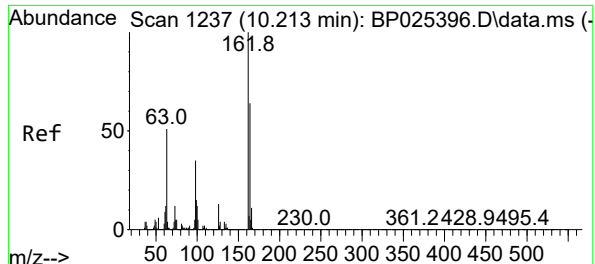
Ion Ratio Lower Upper

93 100

95 32.7 25.4 38.0

123 11.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 81.037 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 84478

Ion Ratio Lower Upper

162 100

164 64.6 44.4 84.4

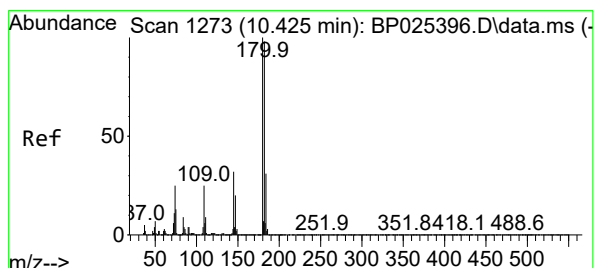
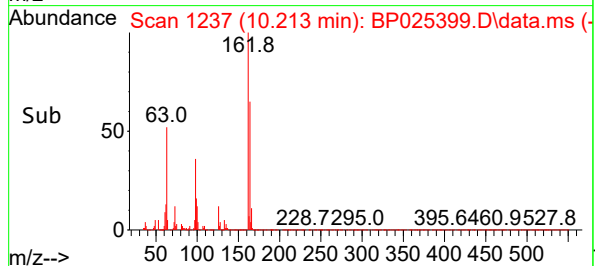
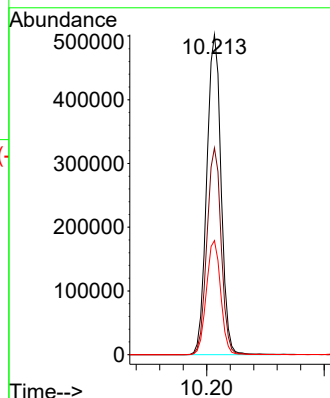
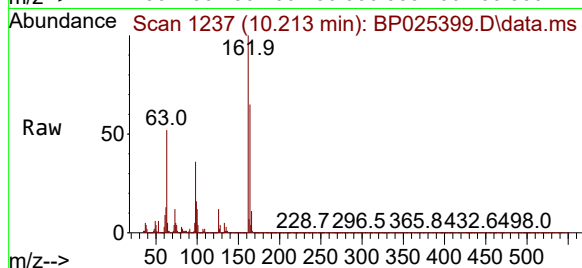
98 35.6 14.9 54.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#30

1,2,4-Trichlorobenzene

Concen: 78.123 ng

RT: 10.425 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

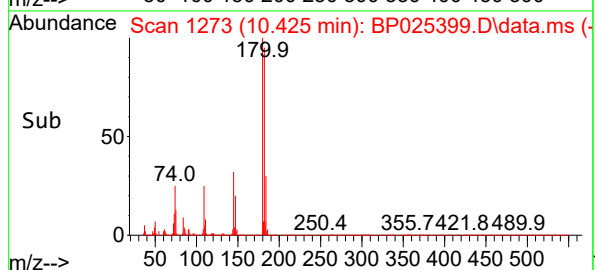
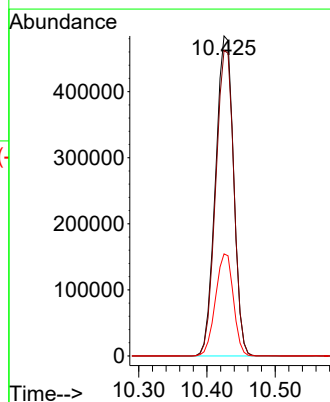
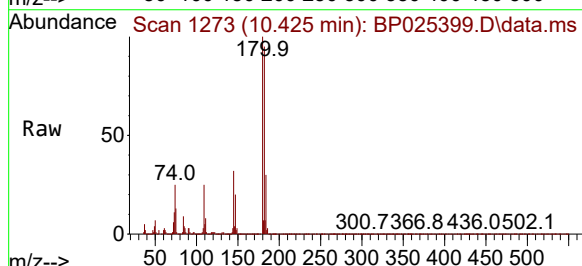
Tgt Ion:180 Resp: 892771

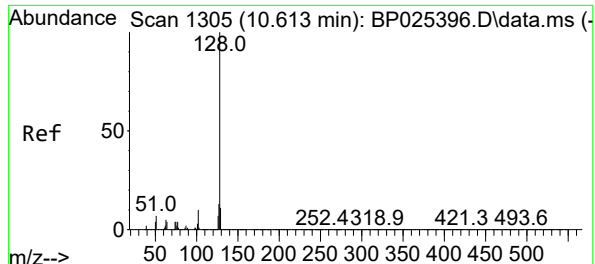
Ion Ratio Lower Upper

180 100

182 95.4 78.0 117.0

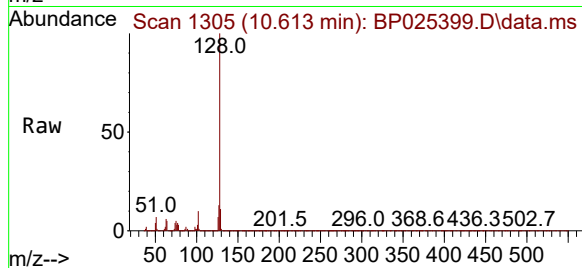
145 31.9 25.9 38.9





#31
Naphthalene
Concen: 77.835 ng
RT: 10.613 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

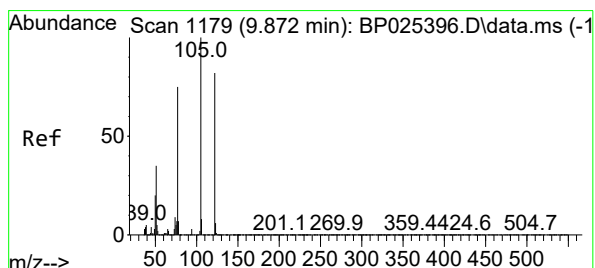
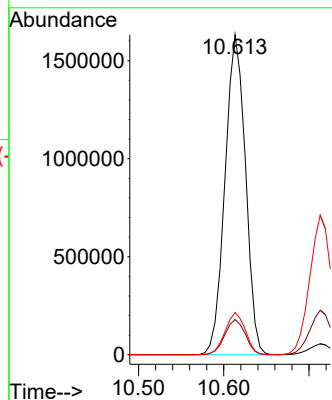
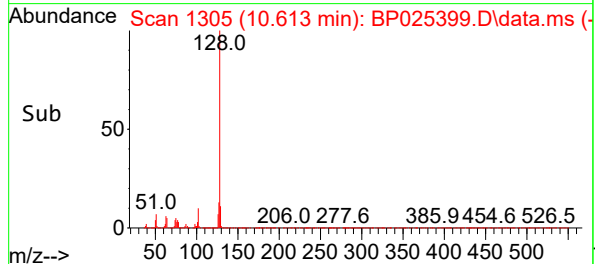
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:128 Resp: 272270
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.2 10.7 16.1

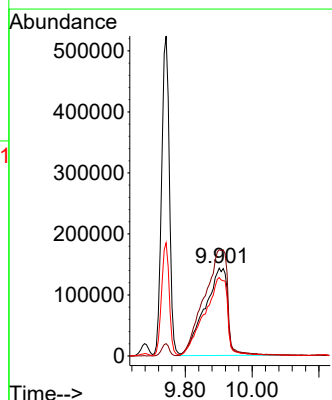
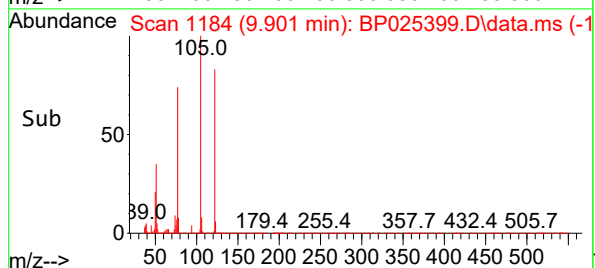
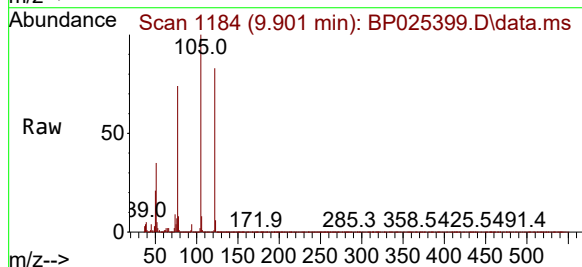
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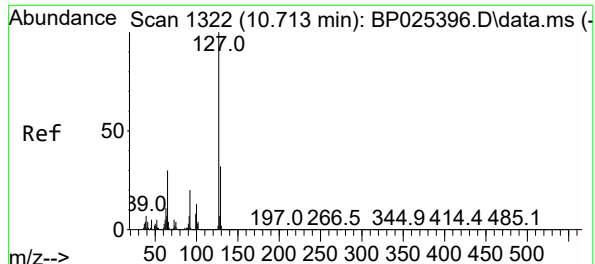
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#32
Benzoic acid
Concen: 88.861 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

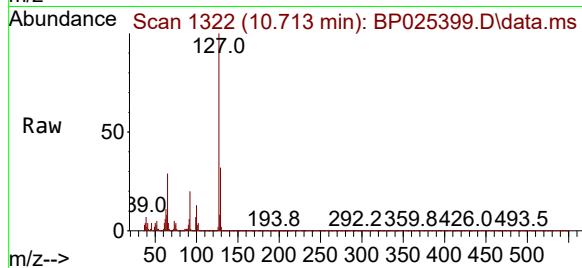
Tgt Ion:122 Resp: 686791
Ion Ratio Lower Upper
122 100
105 121.0 100.6 140.6
77 89.3 71.5 111.5





#33
4-Chloroaniline
Concen: 79.761 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

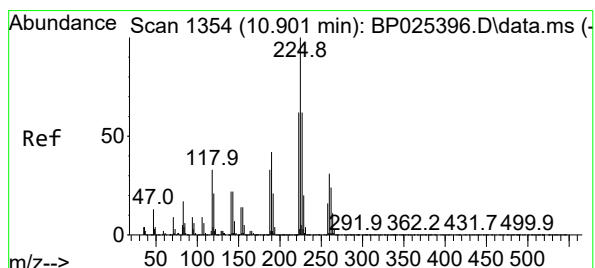
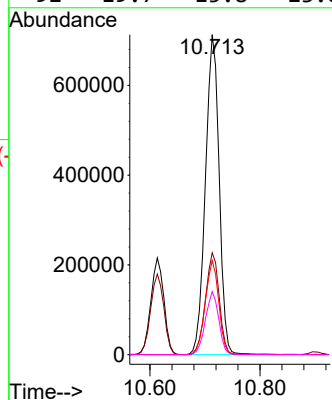
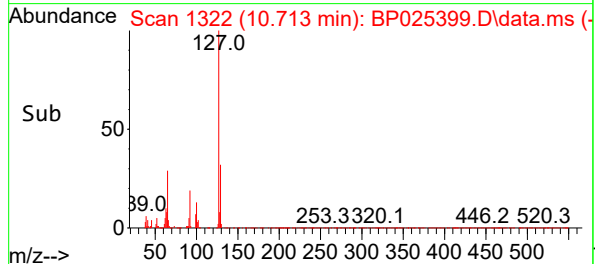
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	29.4	23.8	35.6
92	19.7	15.8	23.8

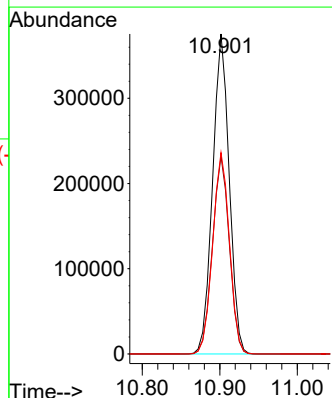
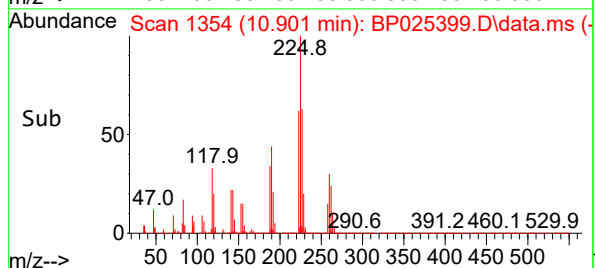
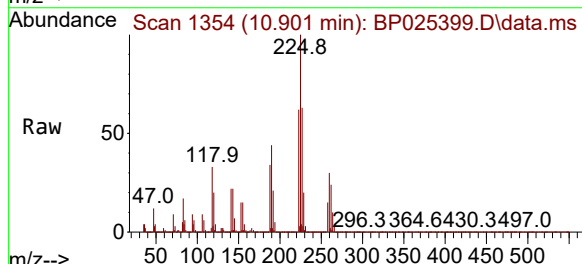
Manual Integrations
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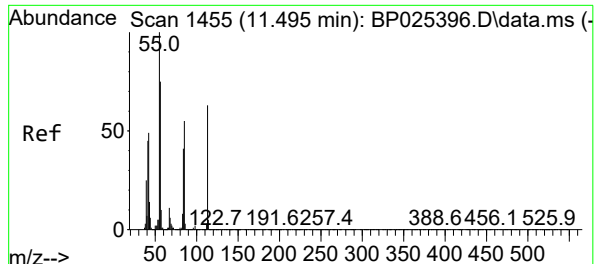
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#34
Hexachlorobutadiene
Concen: 78.393 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

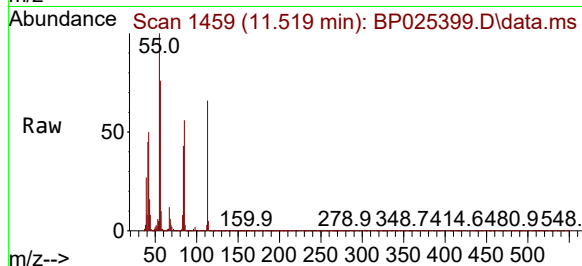
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.0	75.0
227	62.9	49.7	74.5





#35
Caprolactam
Concen: 79.233 ng
RT: 11.519 min Scan# 1455
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

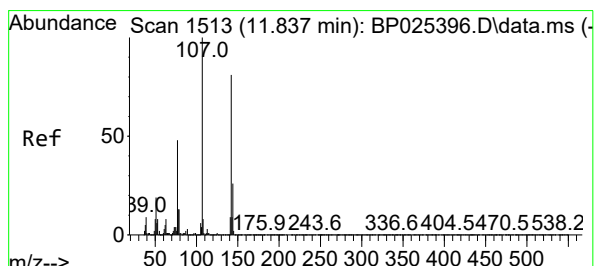
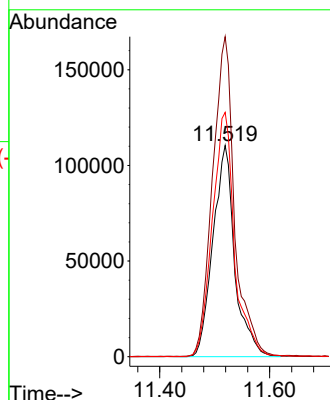
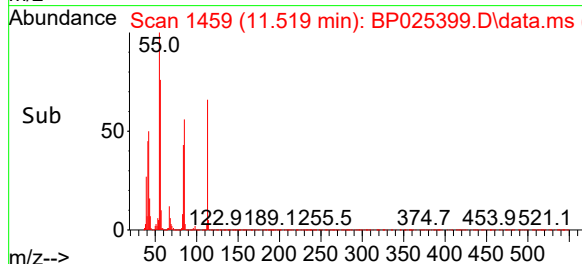
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



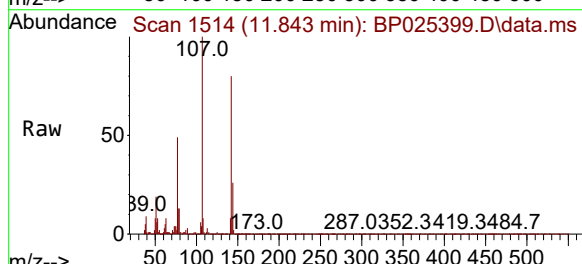
Tgt Ion:113 Resp: 302874
Ion Ratio Lower Upper
113 100
55 151.5 140.0 180.0
56 115.6 100.0 140.0

Manual Integrations
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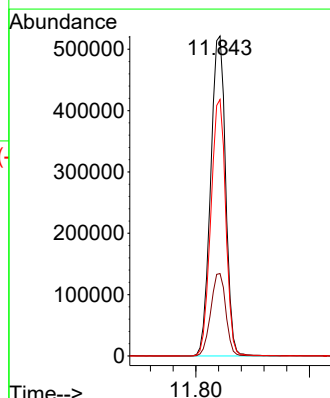
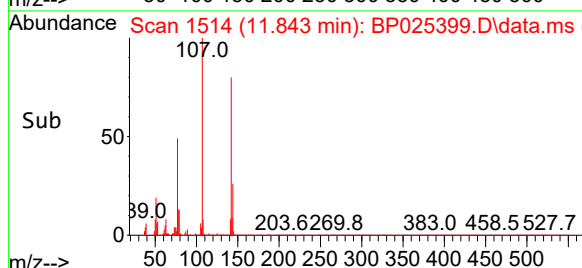
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

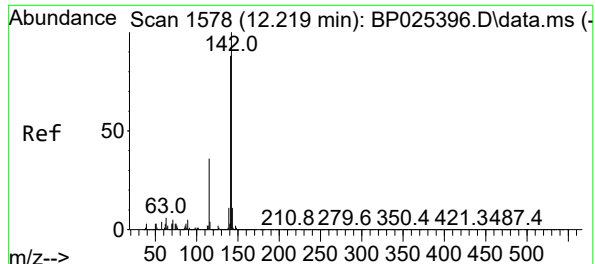


#36
4-Chloro-3-methylphenol
Concen: 79.399 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



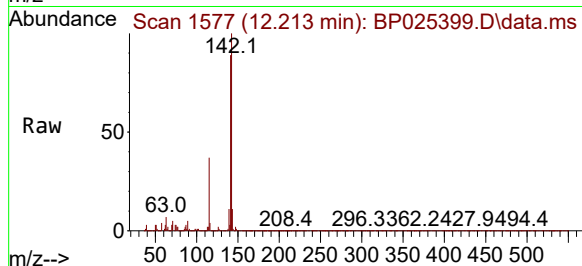
Tgt Ion:107 Resp: 949779
Ion Ratio Lower Upper
107 100
144 25.7 21.0 31.4
142 80.2 64.6 97.0





#37
2-Methylnaphthalene
Concen: 77.372 ng
RT: 12.213 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

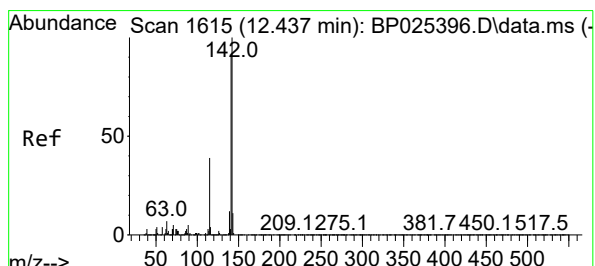
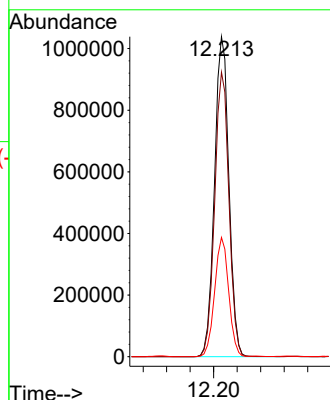
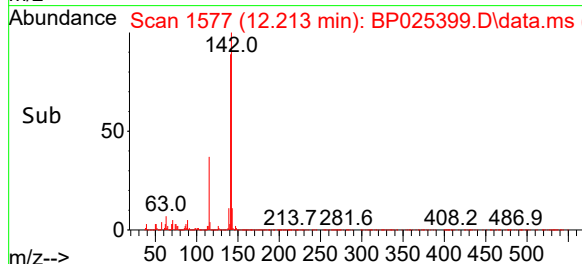
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



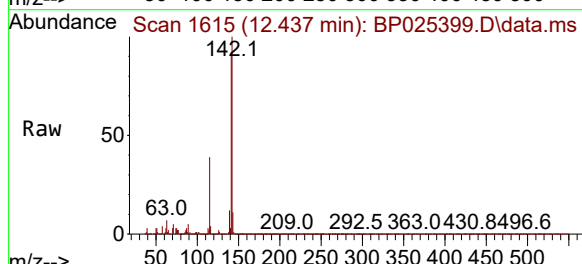
Tgt Ion:142 Resp: 1761325
Ion Ratio Lower Upper
142 100
141 88.9 70.3 105.5
115 37.2 28.9 43.3

Manual Integrations
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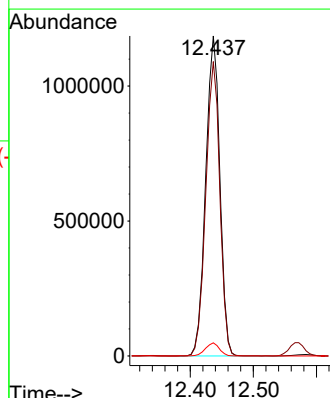
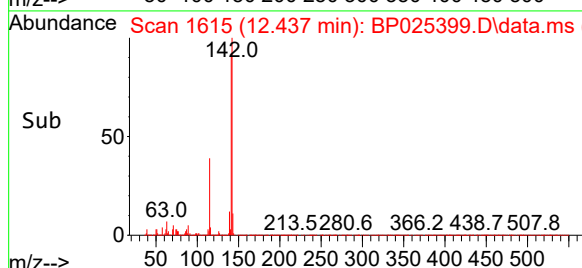
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

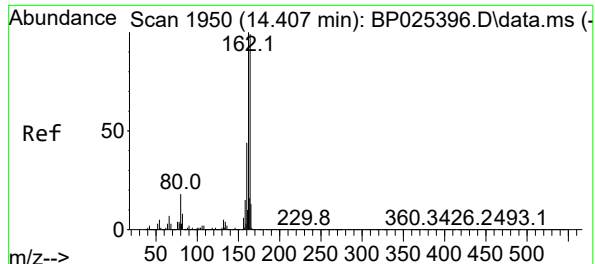


#38
1-Methylnaphthalene
Concen: 76.186 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



Tgt Ion:142 Resp: 1844376
Ion Ratio Lower Upper
142 100
141 92.0 73.1 109.7
116 4.1 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDIC080

Tgt Ion:164 Resp: 436040

Ion Ratio Lower Upper

164 100

162 98.6 81.0 121.6

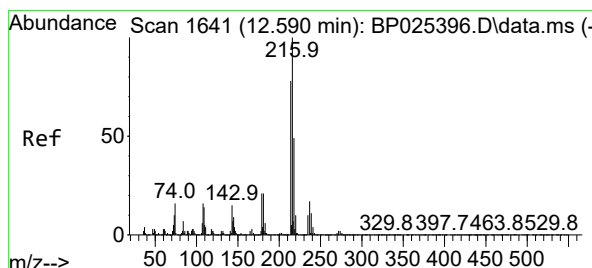
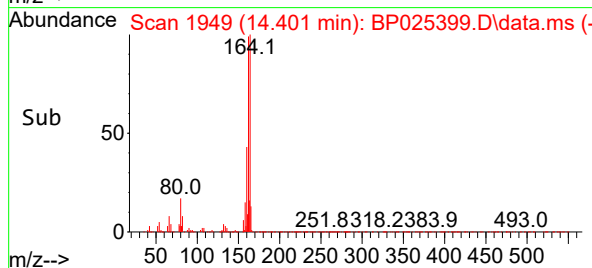
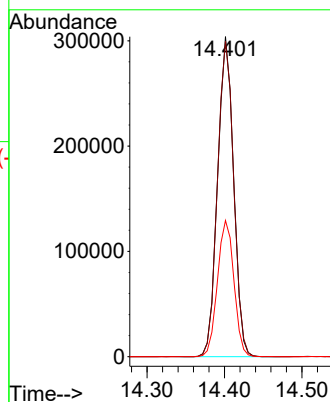
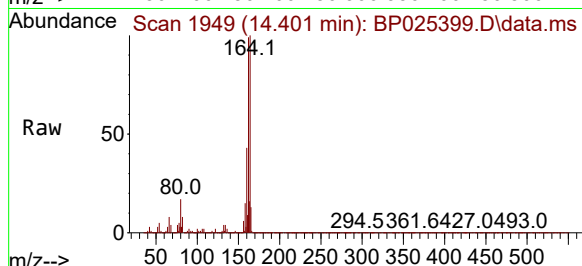
160 42.6 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 79.014 ng

RT: 12.584 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Tgt Ion:216 Resp: 995064

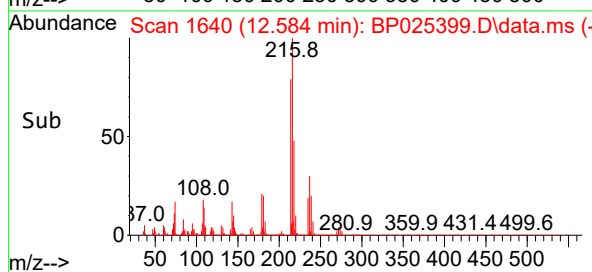
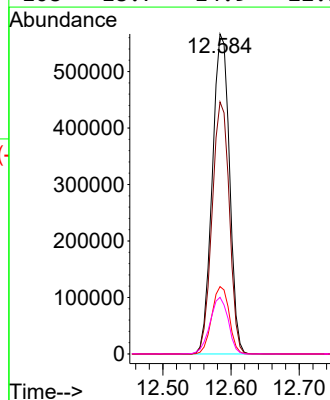
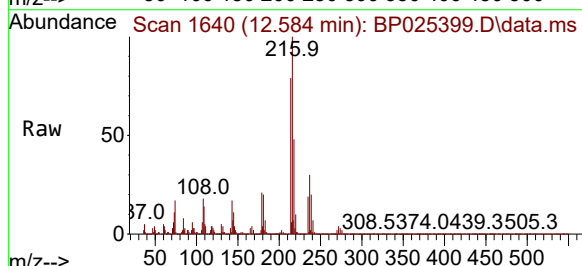
Ion Ratio Lower Upper

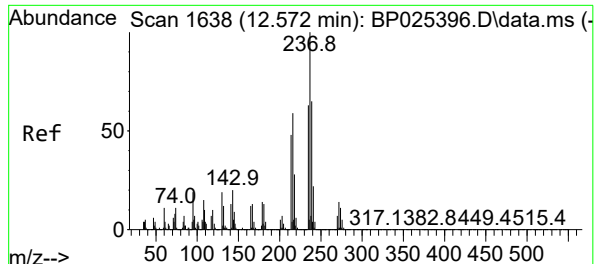
216 100

214 78.8 63.0 94.4

179 21.2 17.1 25.7

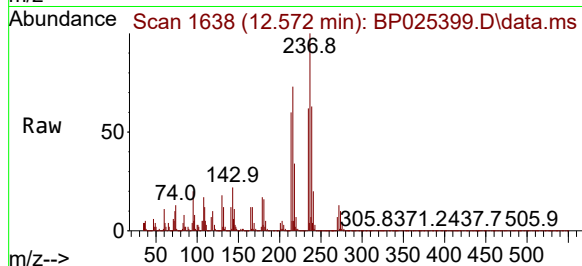
108 18.7 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 87.916 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

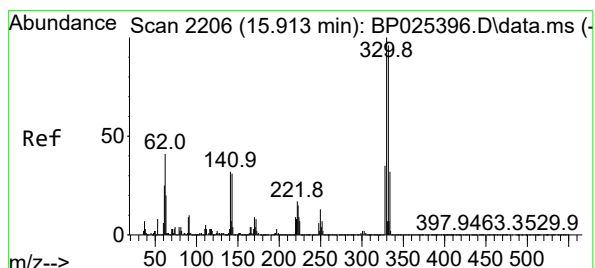
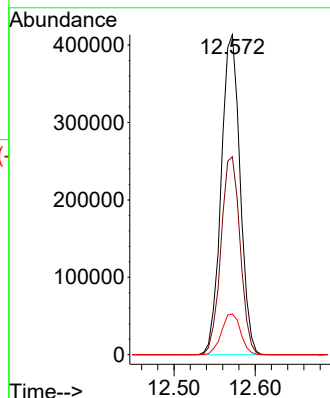
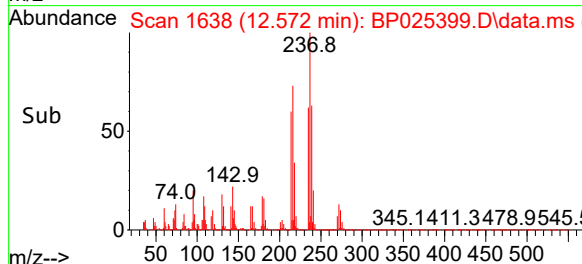
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion: 237 Resp: 66877
Ion Ratio Lower Upper
237 100
235 61.9 42.7 82.7
272 12.7 0.0 34.0

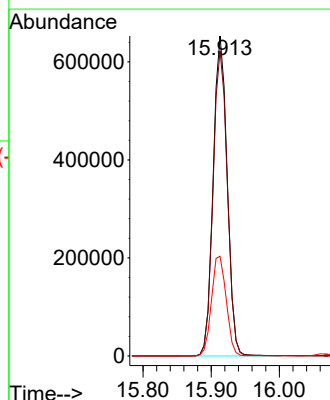
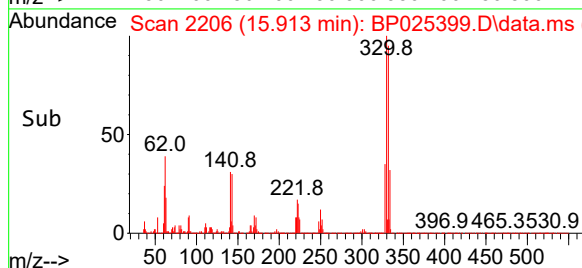
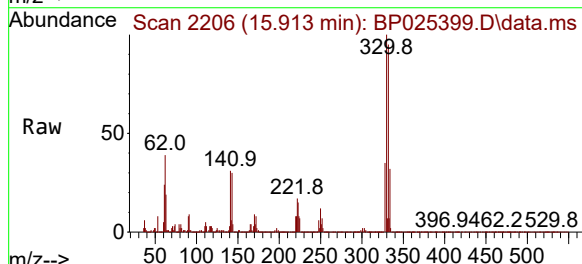
Manual Integrations
APPROVED

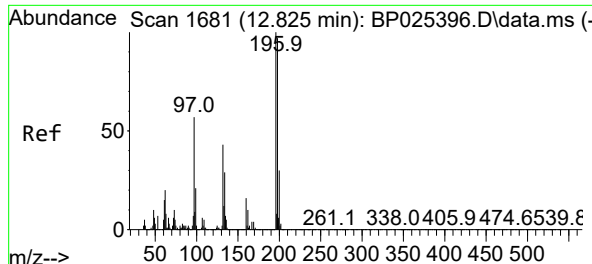
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#42
2,4,6-Tribromophenol
Concen: 159.559 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

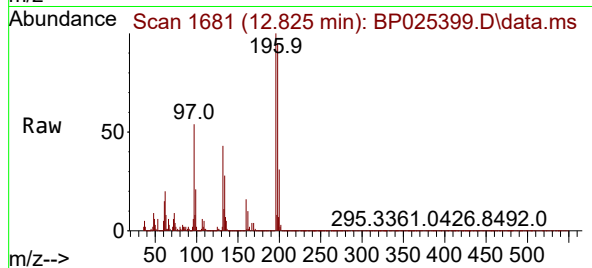
Tgt Ion: 330 Resp: 936489
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 32.8 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 83.096 ng
RT: 12.825 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

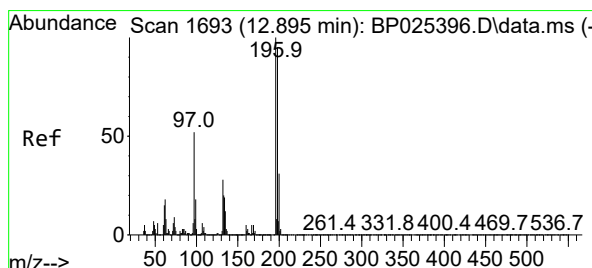
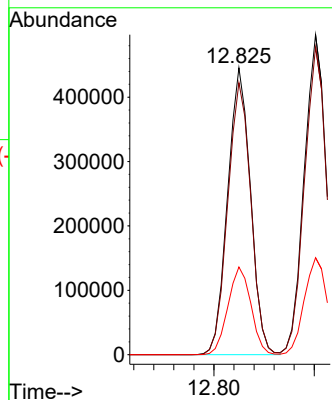
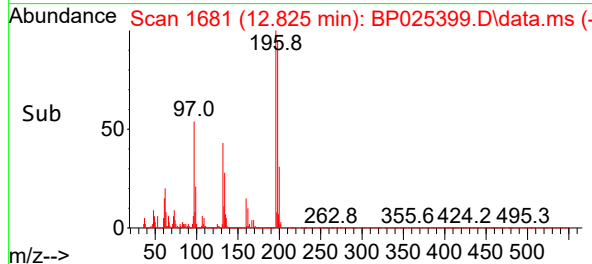
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



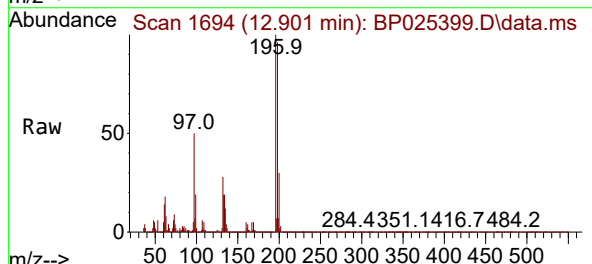
Tgt Ion:196 Resp: 706484
Ion Ratio Lower Upper
196 100
198 94.8 77.2 115.8
200 30.5 23.9 35.9

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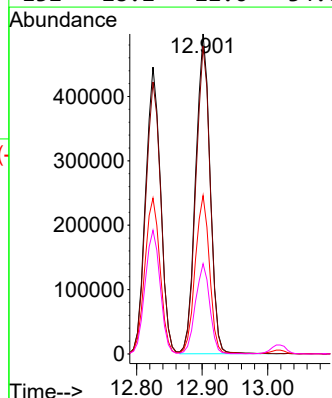
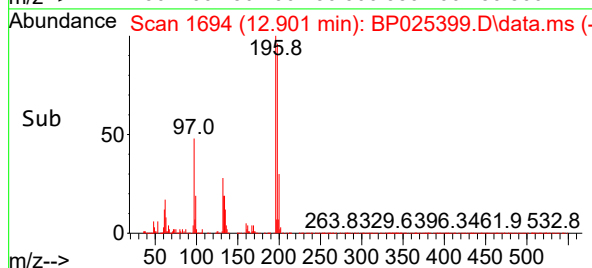
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

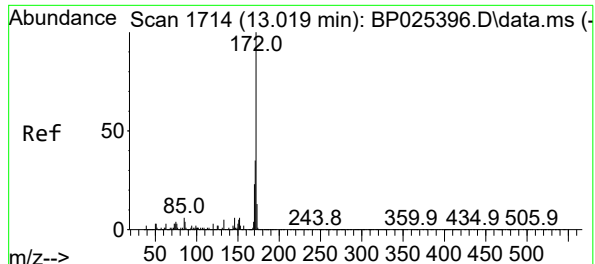


#44
2,4,5-Trichlorophenol
Concen: 81.870 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



Tgt Ion:196 Resp: 762861
Ion Ratio Lower Upper
196 100
198 96.1 76.2 114.2
97 49.5 41.2 61.8
132 28.2 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 147.705 ng

RT: 13.019 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:172 Resp: 471259

Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

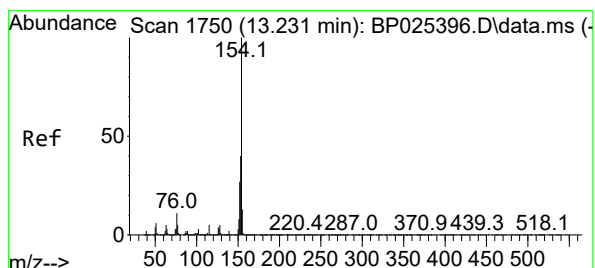
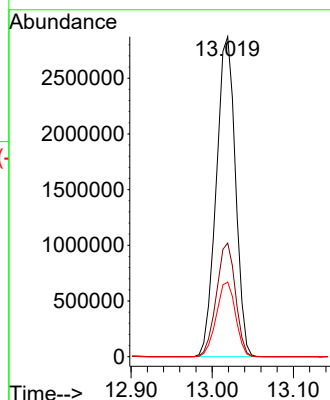
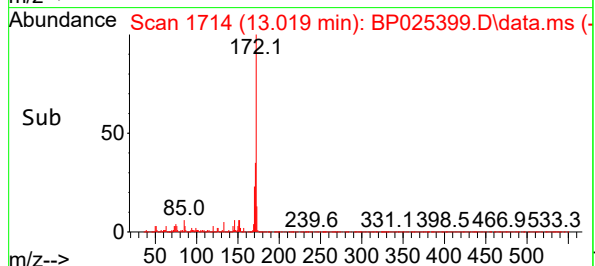
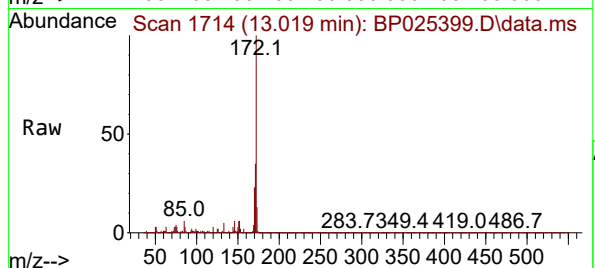
170 23.3 18.6 28.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#46

1,1'-Biphenyl

Concen: 77.476 ng

RT: 13.231 min Scan# 1750

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

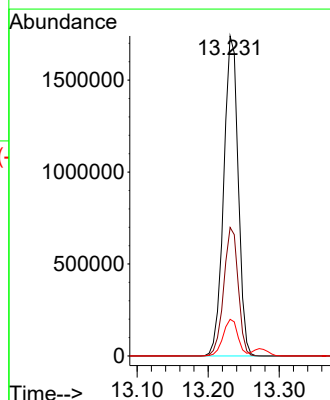
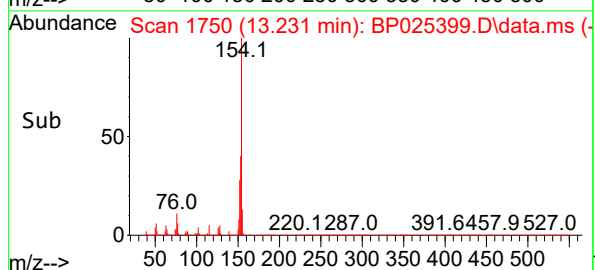
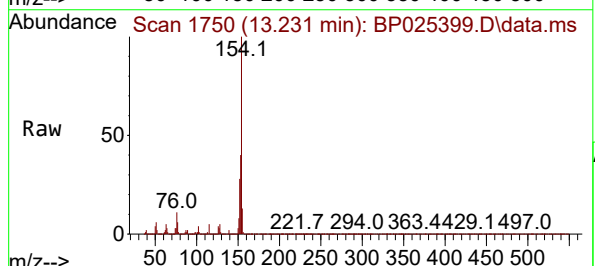
Tgt Ion:154 Resp: 2453536

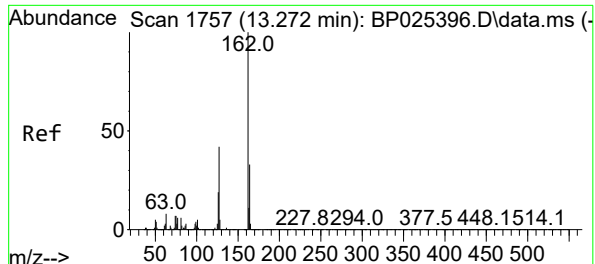
Ion Ratio Lower Upper

154 100

153 40.2 19.5 59.5

76 11.5 0.0 31.1





#47

2-Chloronaphthalene

Concen: 77.804 ng

RT: 13.272 min Scan# 1757

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 1918120

Ion Ratio Lower Upper

162 100

127 41.9 33.4 50.2

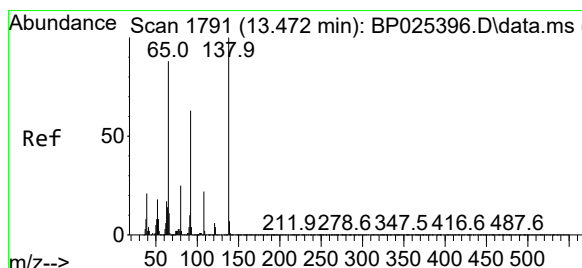
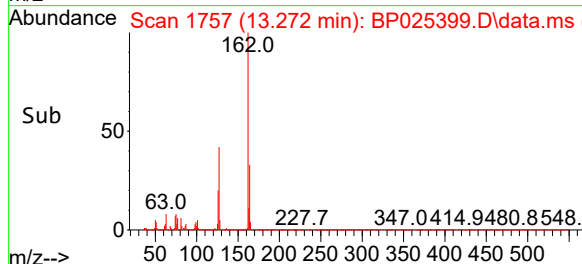
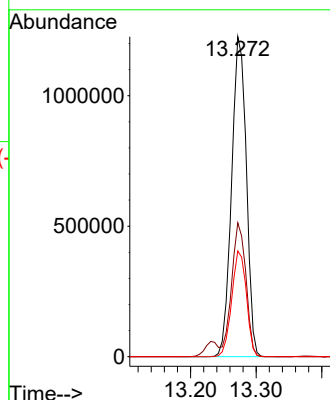
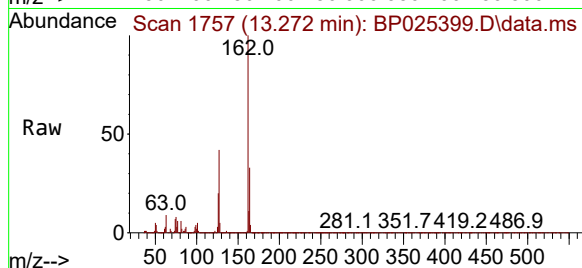
164 33.0 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#48

2-Nitroaniline

Concen: 82.788 ng

RT: 13.472 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

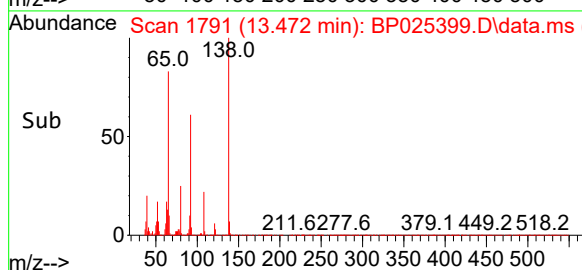
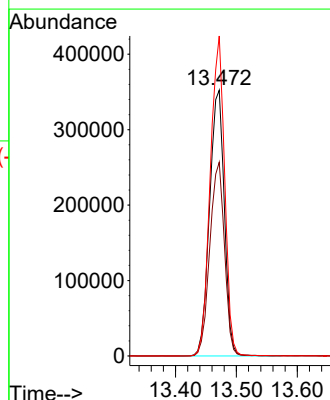
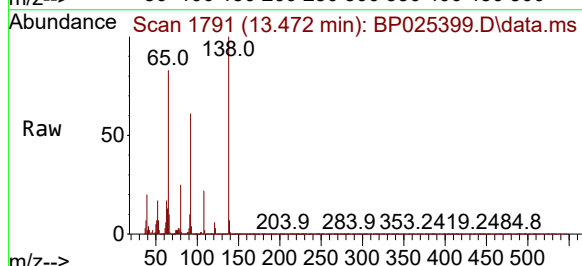
Tgt Ion: 65 Resp: 594696

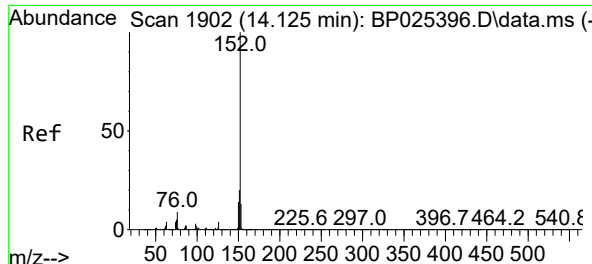
Ion Ratio Lower Upper

65 100

92 72.9 57.6 86.4

138 120.4 91.0 136.6





#49

Acenaphthylene

Concen: 78.318 ng

RT: 14.125 min Scan# 1902

Delta R.T. 0.000 min

Lab File: BP025399.D

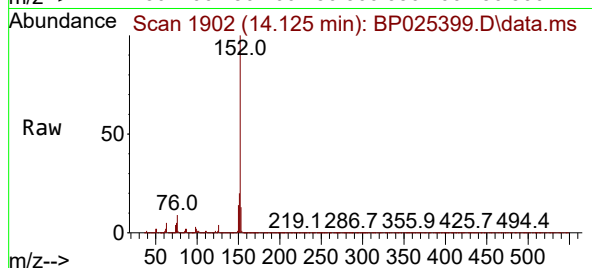
Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080



Tgt Ion:152 Resp: 3194918

Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

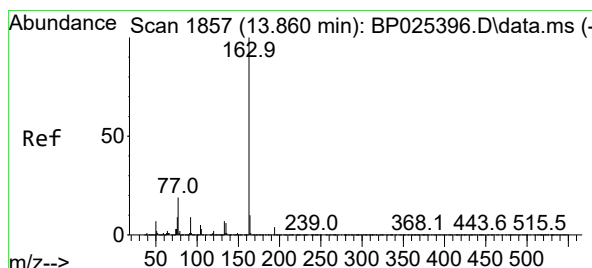
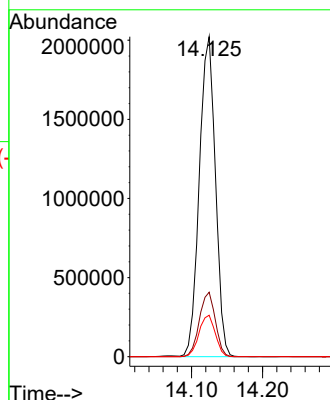
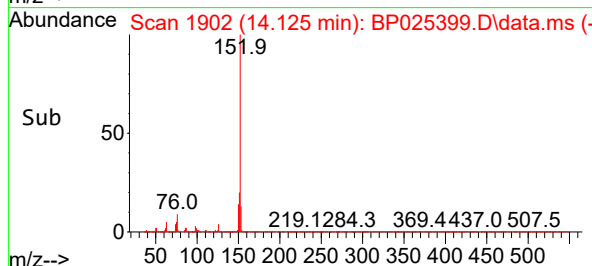
153 13.0 10.6 15.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#50

Dimethylphthalate

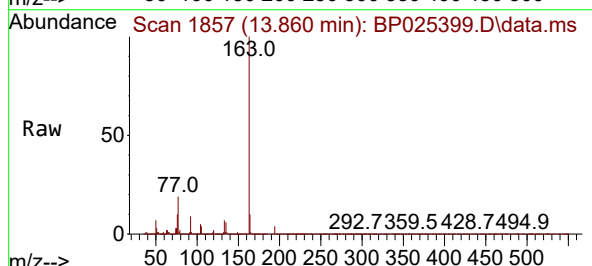
Concen: 76.632 ng

RT: 13.860 min Scan# 1857

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24



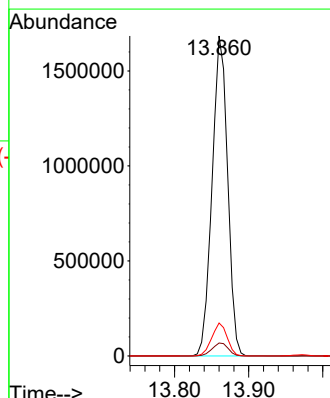
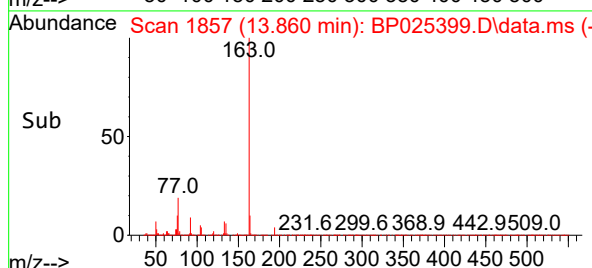
Tgt Ion:163 Resp: 2446951

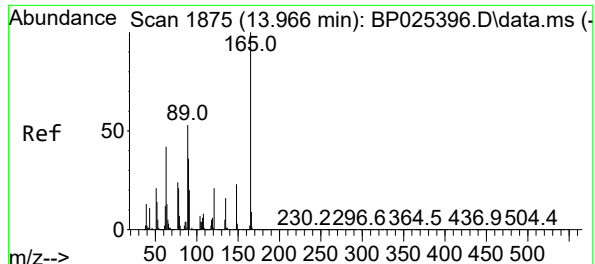
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.3 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 80.639 ng

RT: 13.972 min Scan# 1876

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:165 Resp: 542710

Ion Ratio Lower Upper

165 100

63 51.0 40.9 61.3

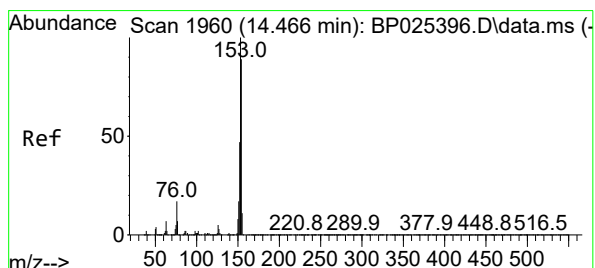
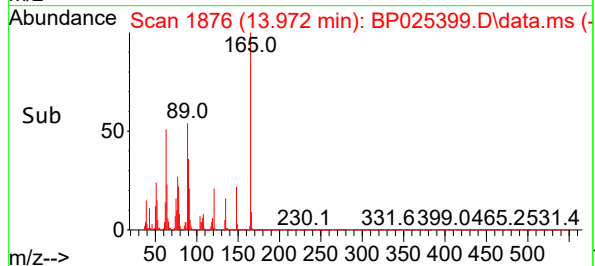
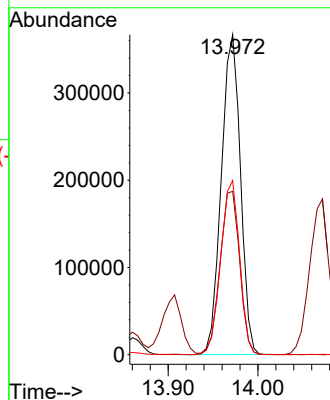
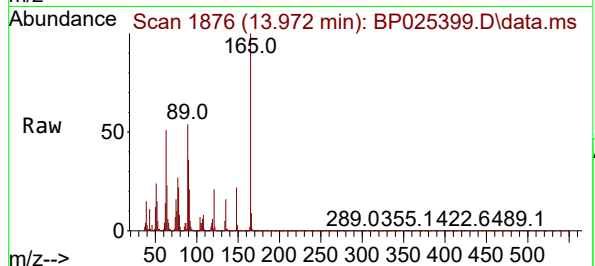
89 54.4 42.1 63.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#52

Acenaphthene

Concen: 76.902 ng

RT: 14.472 min Scan# 1961

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

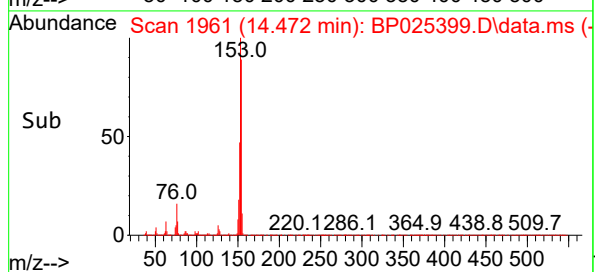
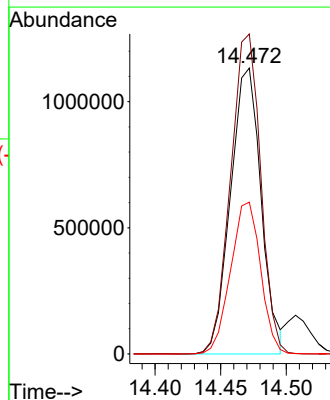
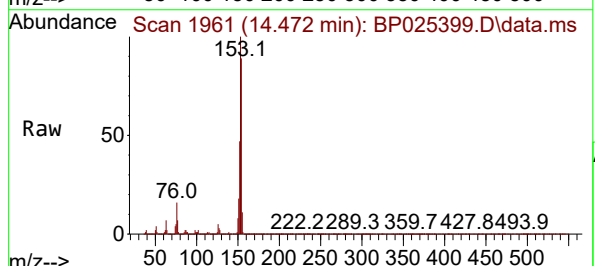
Tgt Ion:154 Resp: 1841448

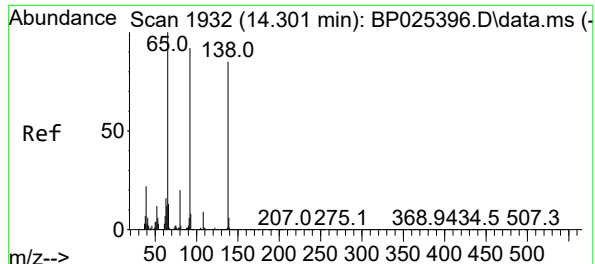
Ion Ratio Lower Upper

154 100

153 111.9 90.2 135.2

152 53.1 42.1 63.1





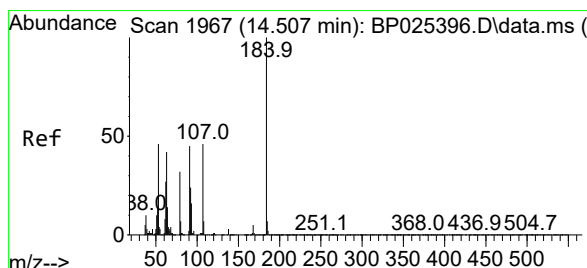
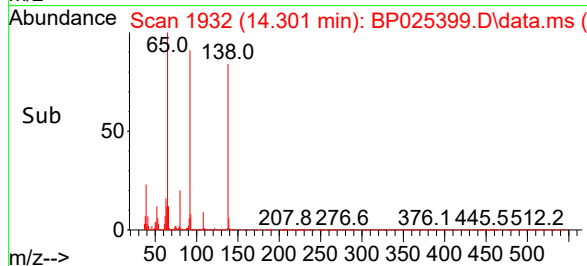
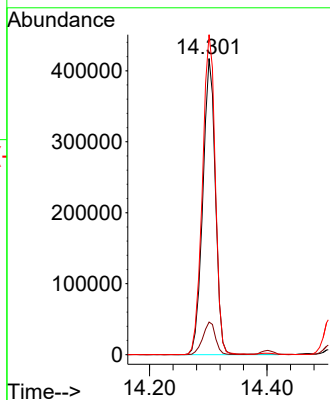
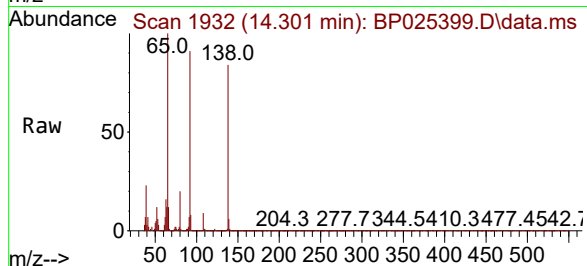
#53
3-Nitroaniline
Concen: 81.627 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 61808
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 108.1 86.2 129.2

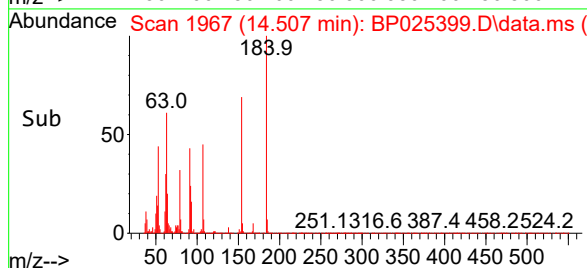
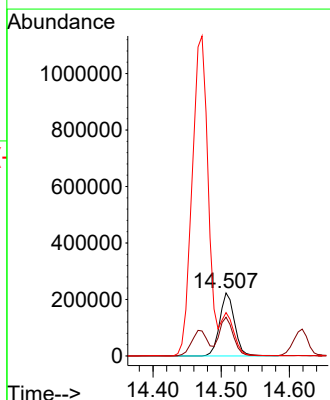
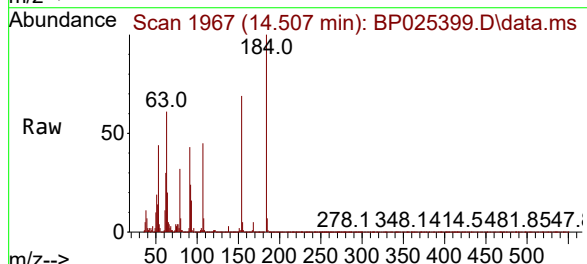
Manual Integrations
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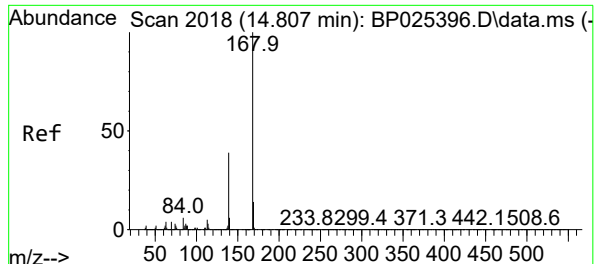
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#54
2,4-Dinitrophenol
Concen: 94.356 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:184 Resp: 339125
Ion Ratio Lower Upper
184 100
63 61.4 49.4 74.2
154 68.6 54.6 82.0





#55

Dibenzenofuran

Concen: 77.023 ng

RT: 14.807 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:168 Resp: 291593

Ion Ratio Lower Upper

168 100

139 39.7 31.5 47.3

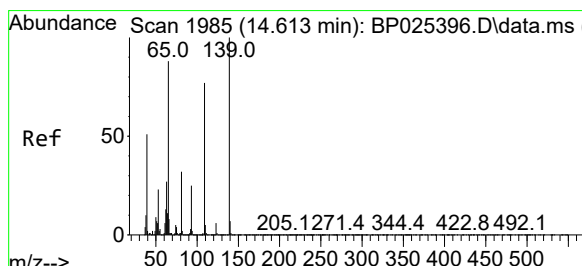
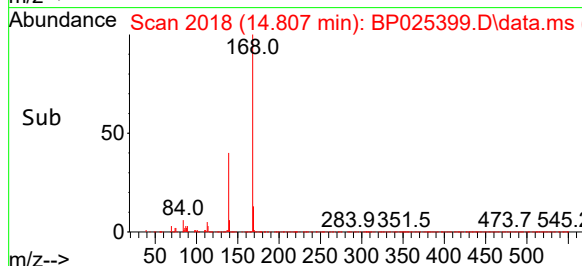
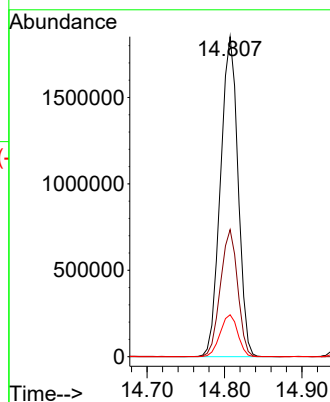
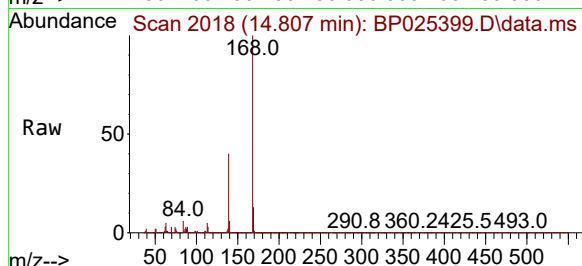
169 13.1 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#56

4-Nitrophenol

Concen: 83.618 ng

RT: 14.619 min Scan# 1986

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

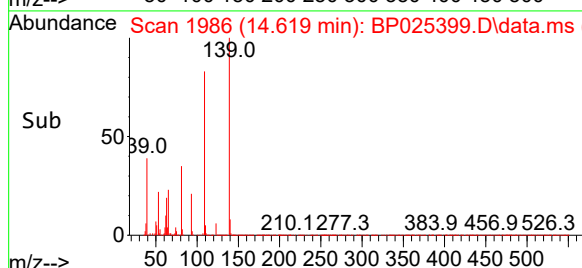
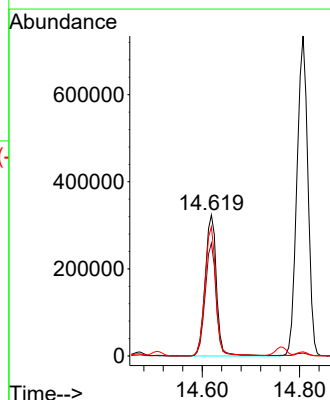
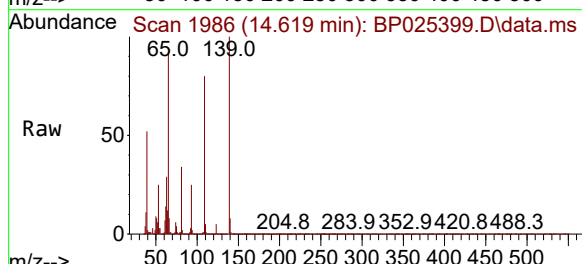
Tgt Ion:139 Resp: 520294

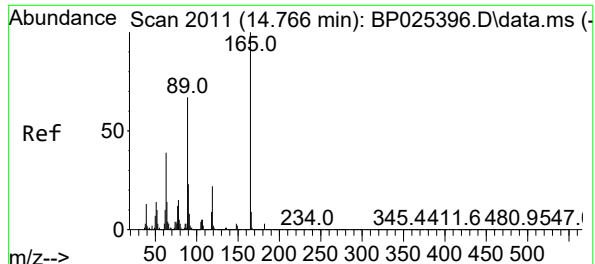
Ion Ratio Lower Upper

139 100

109 80.0 56.6 96.6

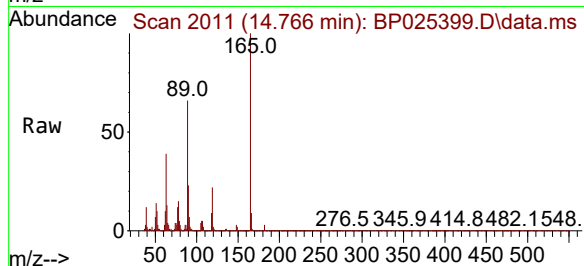
65 91.5 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 82.399 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

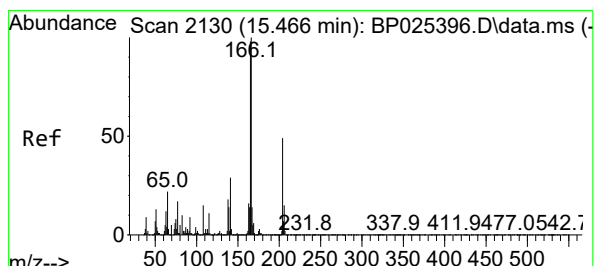
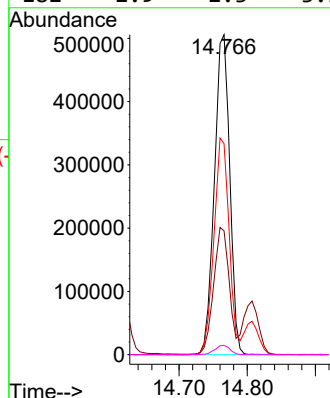
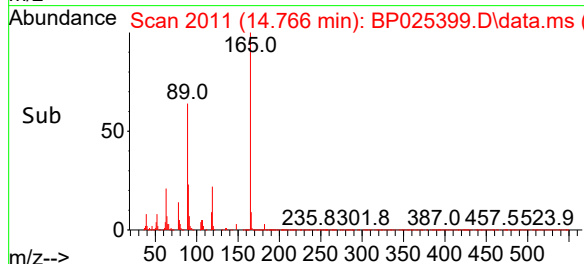
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 791214
Ion Ratio Lower Upper
165 100
63 38.7 31.4 47.2
89 66.0 53.3 79.9
182 2.9 2.3 3.5

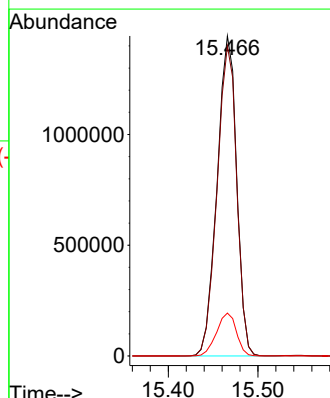
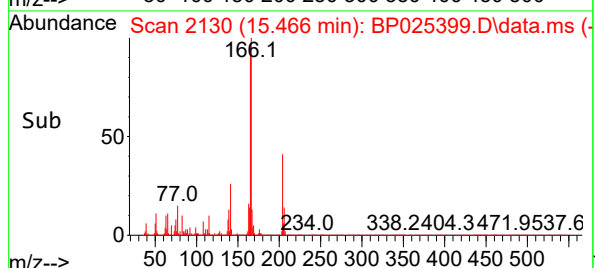
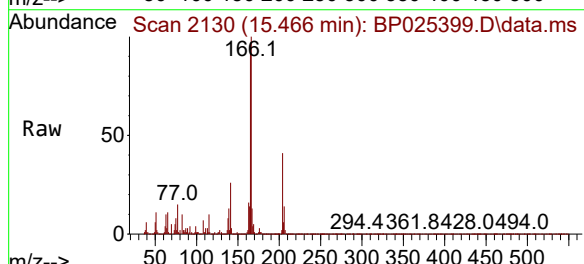
Manual Integrations
APPROVED

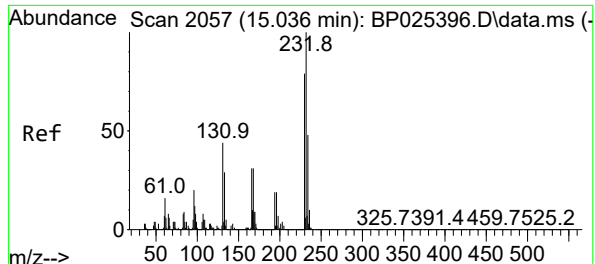
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#58
Fluorene
Concen: 73.164 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:166 Resp: 2185593
Ion Ratio Lower Upper
166 100
165 96.8 78.8 118.2
167 13.4 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 80.448 ng

RT: 15.031 min Scan# 2057

Delta R.T. -0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:232 Resp: 661890

Ion Ratio Lower Upper

232 100

131 45.9 37.0 55.6

130 2.5 1.9 2.9

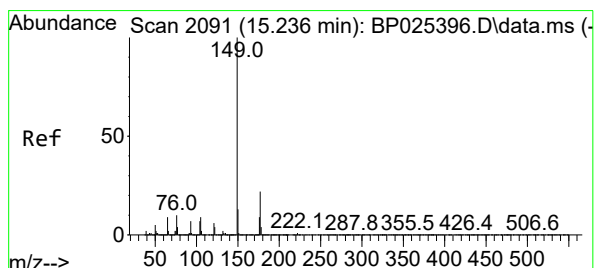
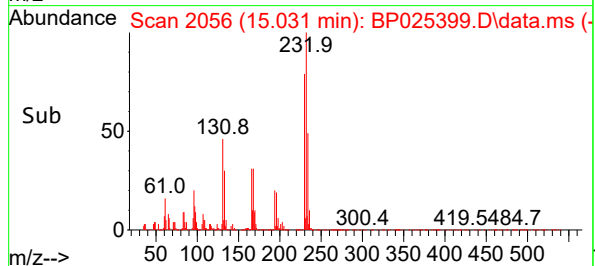
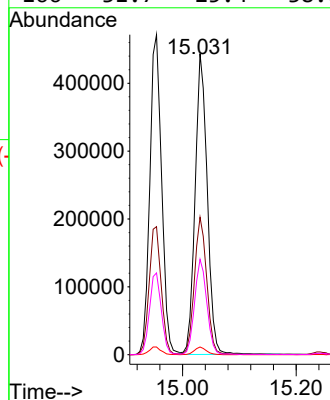
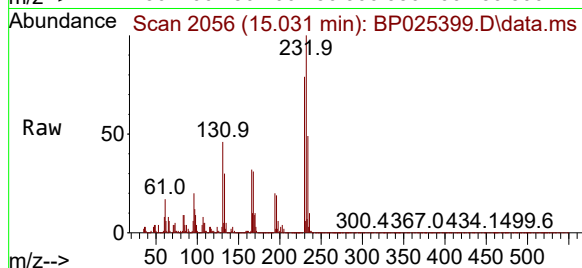
166 31.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#60

Diethylphthalate

Concen: 76.870 ng

RT: 15.242 min Scan# 2092

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

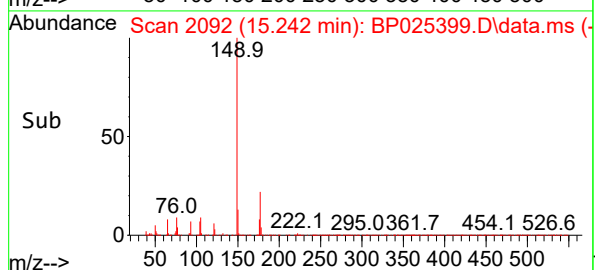
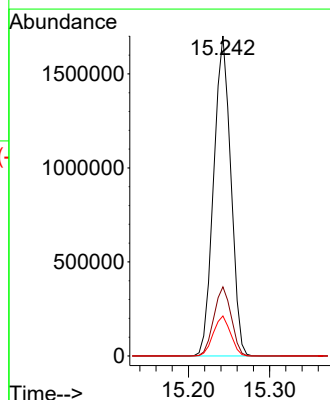
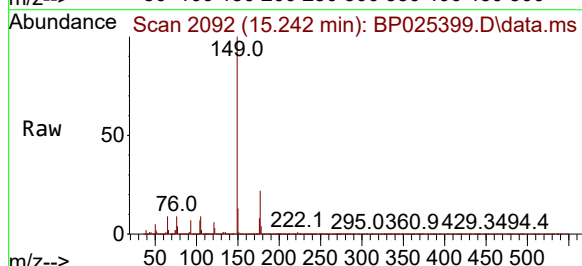
Tgt Ion:149 Resp: 2494087

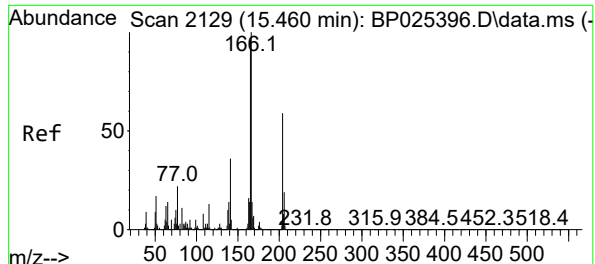
Ion Ratio Lower Upper

149 100

177 21.6 17.3 25.9

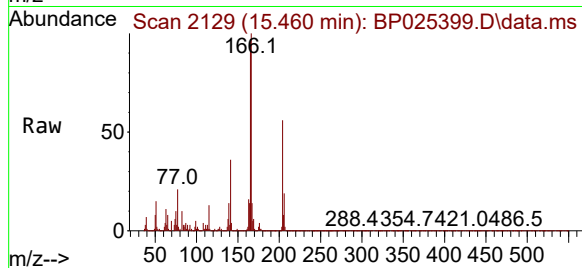
150 12.5 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 74.388 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

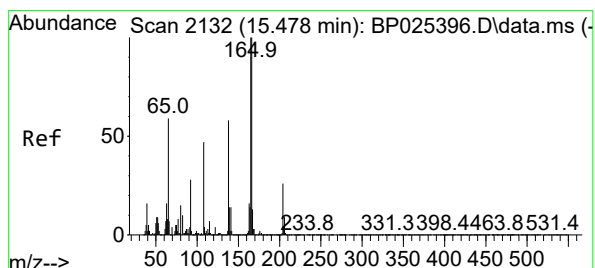
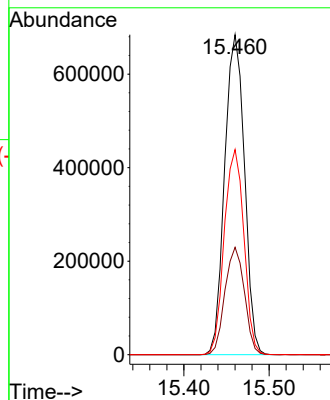
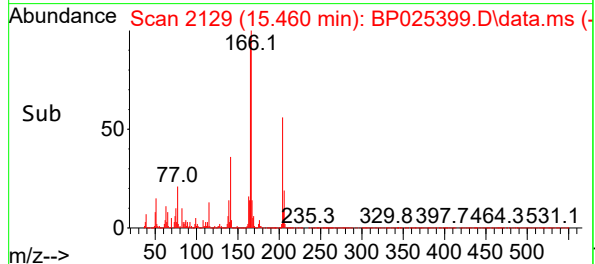
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:204 Resp: 110515
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 64.1 49.4 74.2

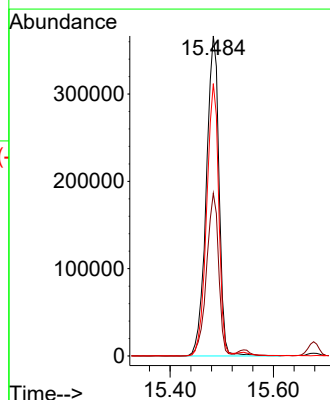
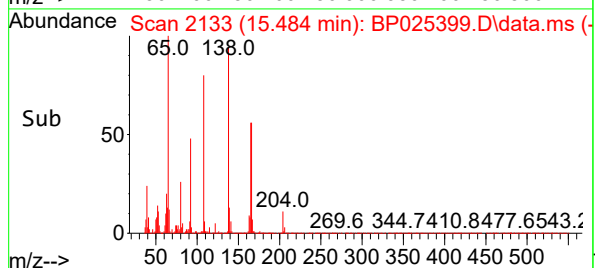
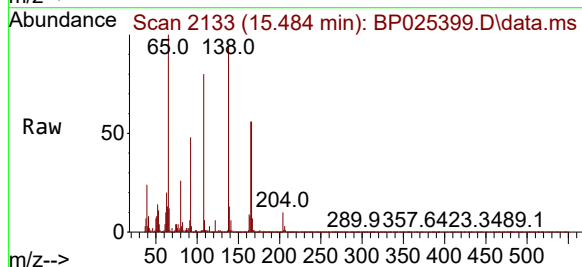
Manual Integrations
APPROVED

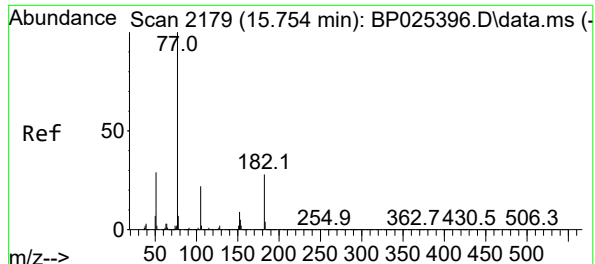
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#62
4-Nitroaniline
Concen: 80.710 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

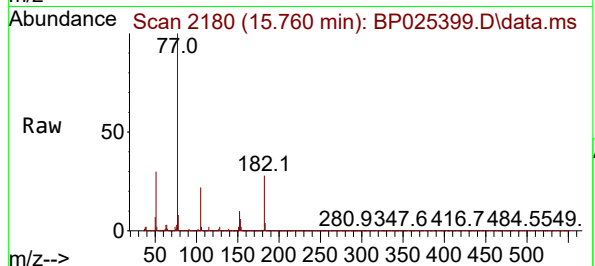
Tgt Ion:138 Resp: 626525
Ion Ratio Lower Upper
138 100
92 50.8 29.1 69.1
108 85.1 61.5 101.5





#63
Azobenzene
Concen: 77.017 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

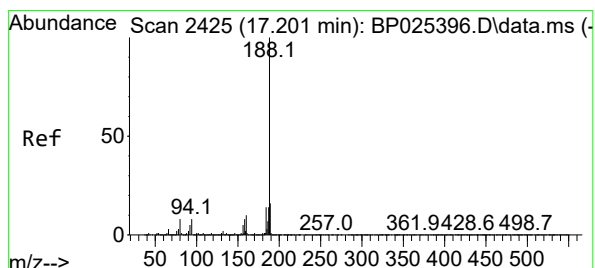
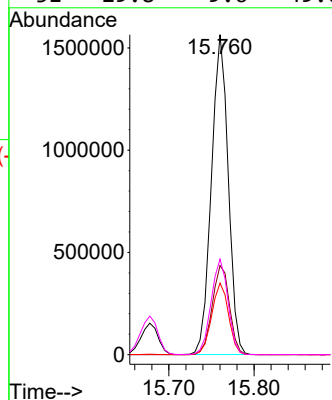
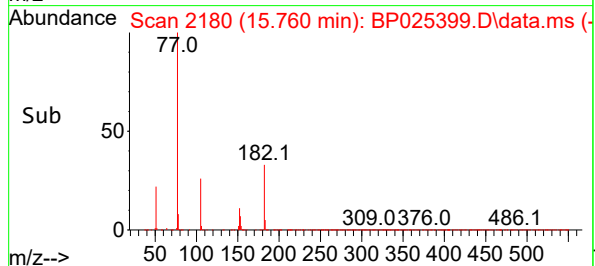
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 2139674
Ion Ratio Lower Upper
77 100
182 27.9 7.5 47.5
105 22.3 2.1 42.1
51 29.8 9.6 49.6

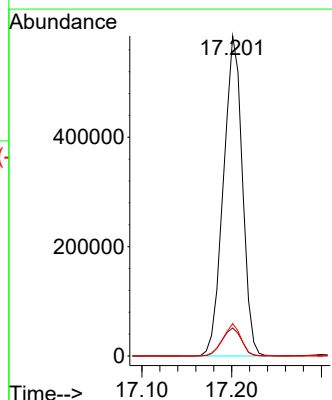
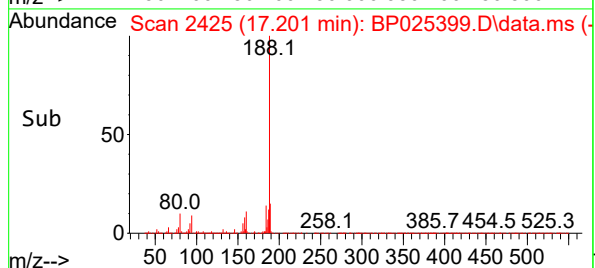
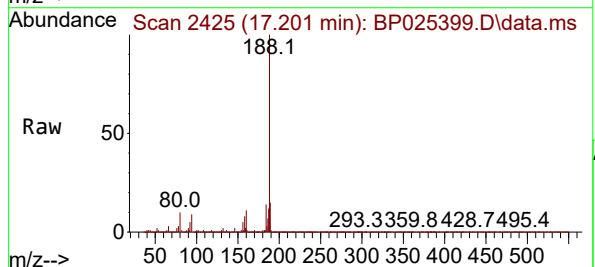
Manual Integrations
APPROVED

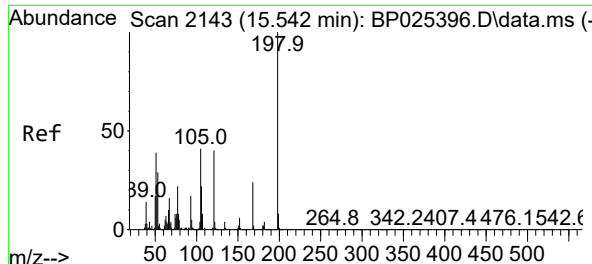
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

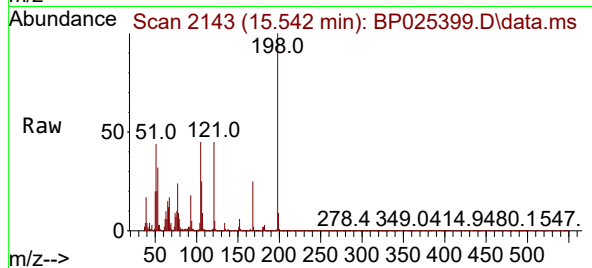
Tgt Ion:188 Resp: 856946
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 10.1 6.7 10.1#





#65
4,6-Dinitro-2-methylphenol
Concen: 88.473 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

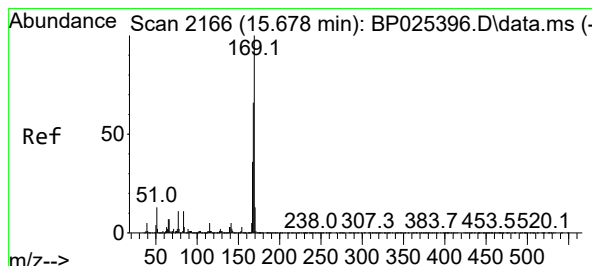
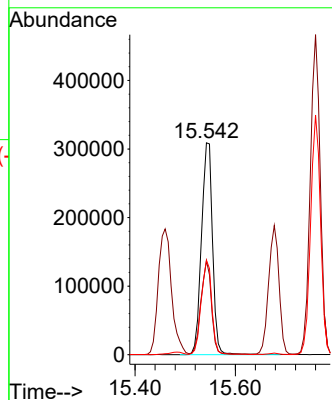
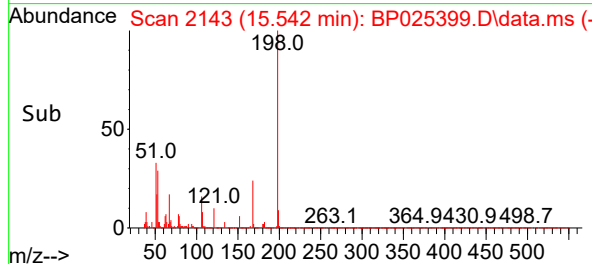
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:198 Resp: 472602
Ion Ratio Lower Upper
198 100
51 44.3 19.6 59.6
105 44.6 20.9 60.9

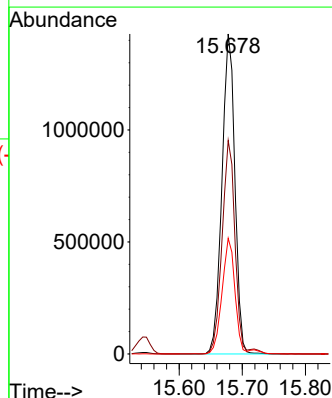
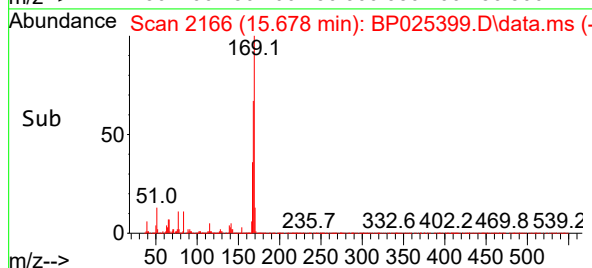
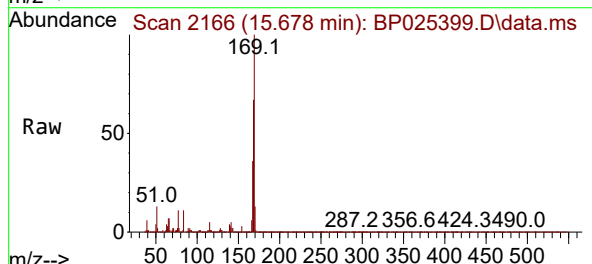
Manual Integrations
APPROVED

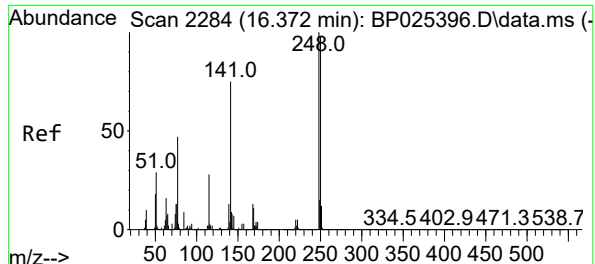
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 77.866 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:169 Resp: 2034782
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 36.2 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 79.144 ng

RT: 16.372 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

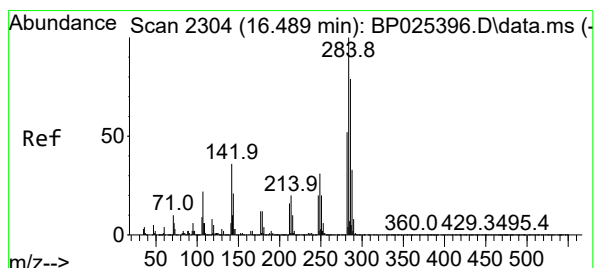
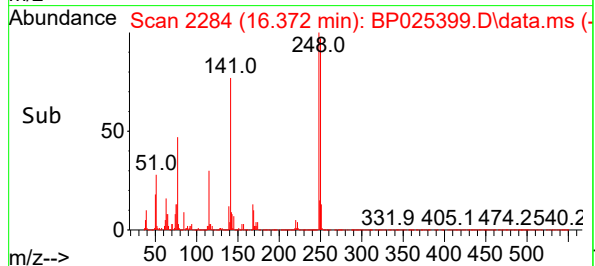
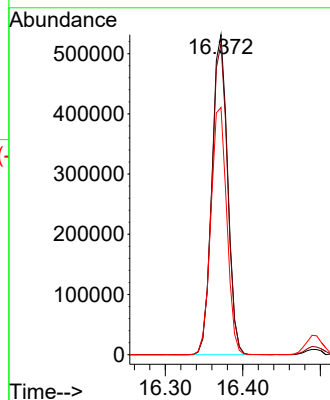
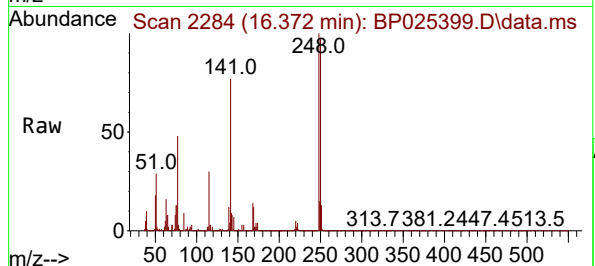
Tgt Ion:	248	Resp:	74591
Ion Ratio	Lower	Upper	
248	100		
250	97.2	78.2	117.2
141	77.2	59.6	89.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#68

Hexachlorobenzene

Concen: 78.721 ng

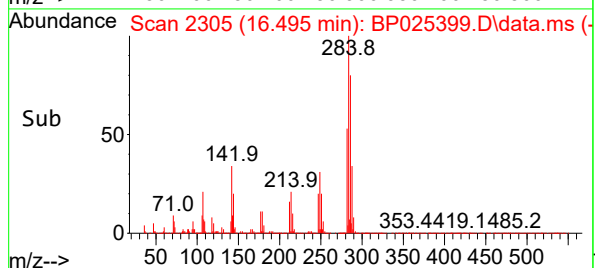
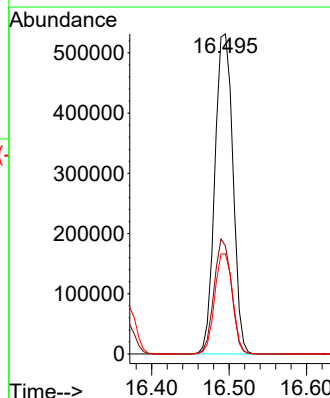
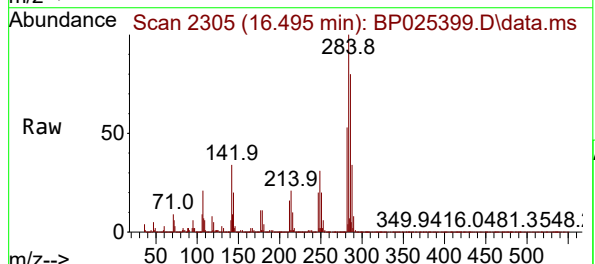
RT: 16.495 min Scan# 2305

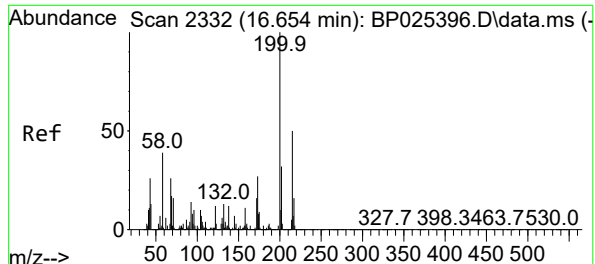
Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Tgt Ion:	284	Resp:	860051
Ion Ratio	Lower	Upper	
284	100		
142	33.7	29.1	43.7
249	31.3	25.0	37.4





#69

Atrazine

Concen: 80.064 ng

RT: 16.654 min Scan# 2332

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

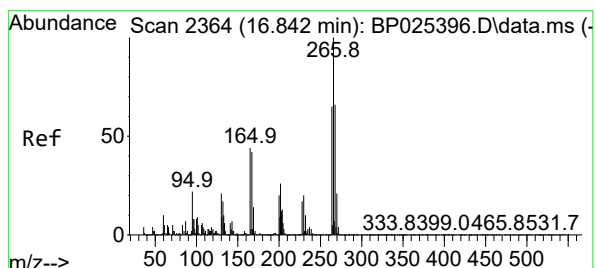
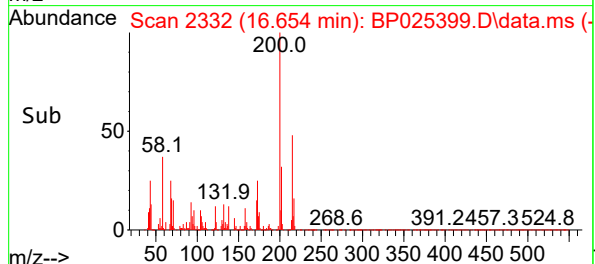
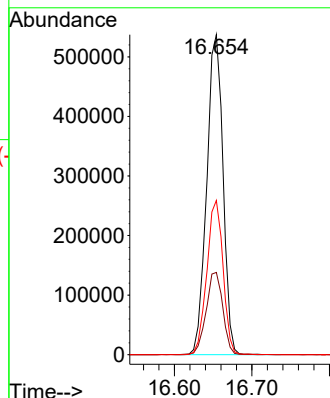
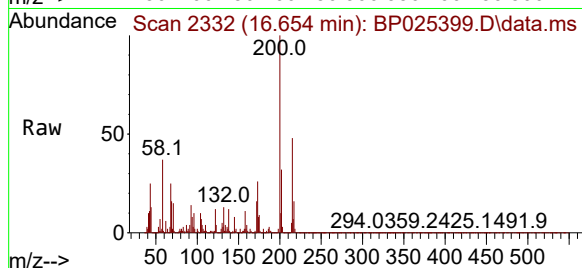
SSTDICC080

Tgt Ion:200 Resp: 78353
Ion Ratio Lower Upper
200 100
173 25.7 6.7 46.7
215 48.2 29.7 69.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#70

Pentachlorophenol

Concen: 85.502 ng

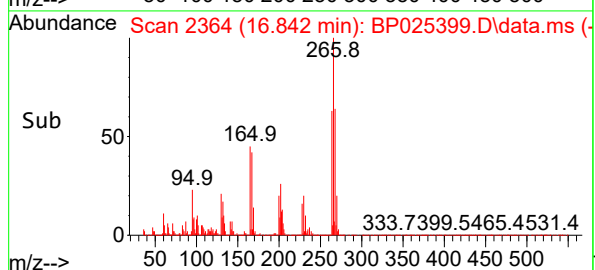
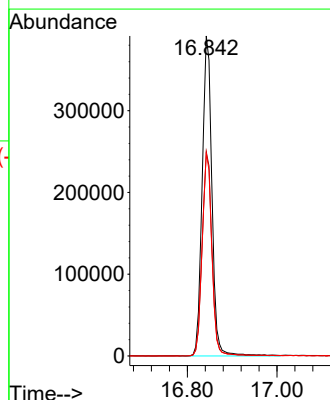
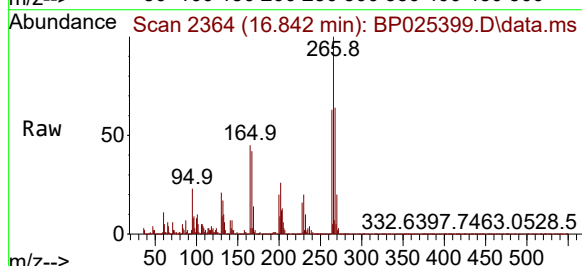
RT: 16.842 min Scan# 2364

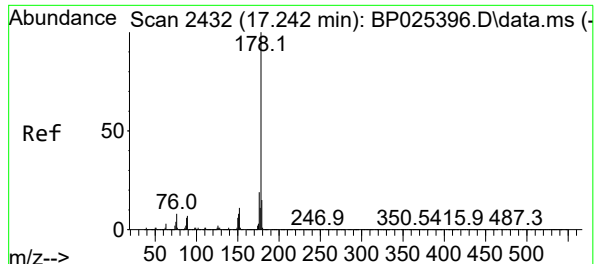
Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

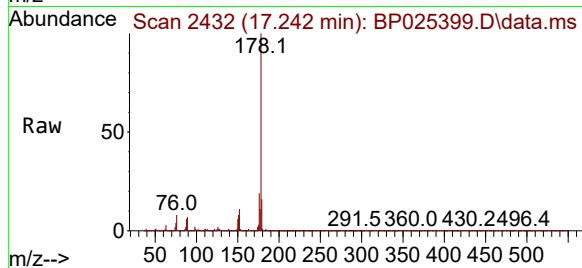
Tgt Ion:266 Resp: 589673
Ion Ratio Lower Upper
266 100
268 63.8 52.6 79.0
264 63.4 52.0 78.0





#71
Phenanthrene
Concen: 76.972 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

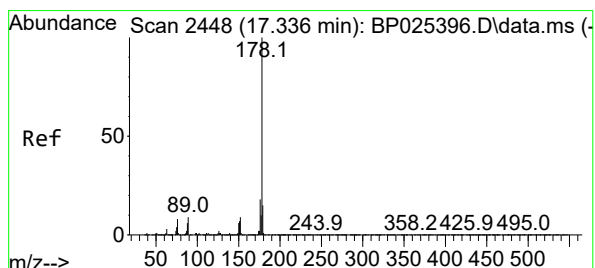
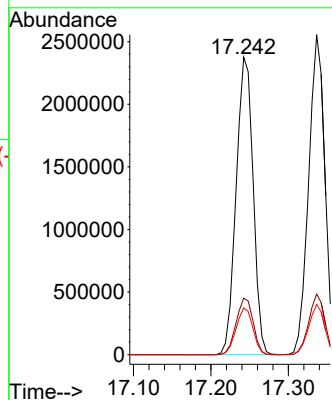
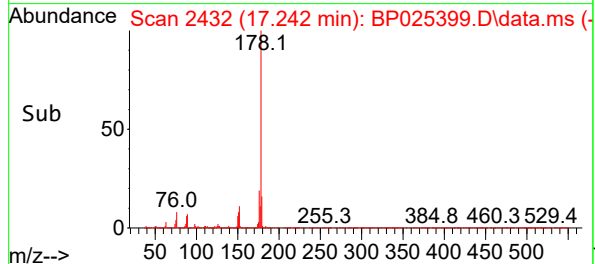
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 3623454
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.7 12.2 18.4

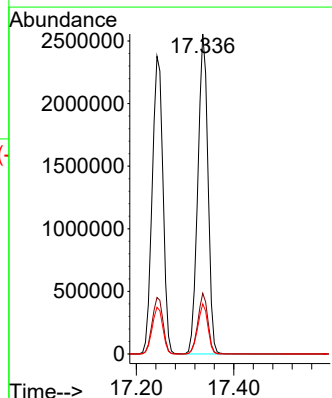
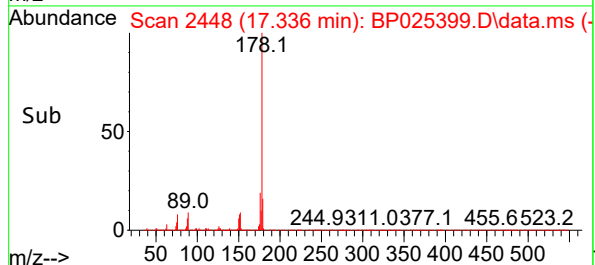
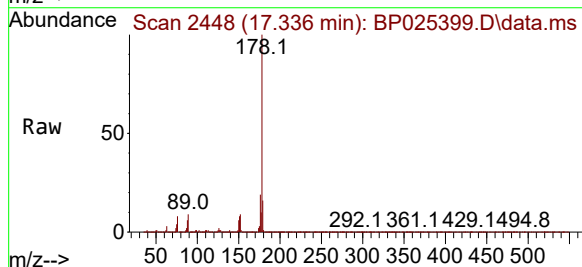
Manual Integrations
APPROVED

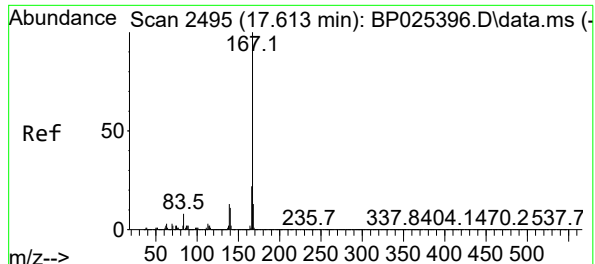
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#72
Anthracene
Concen: 77.014 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

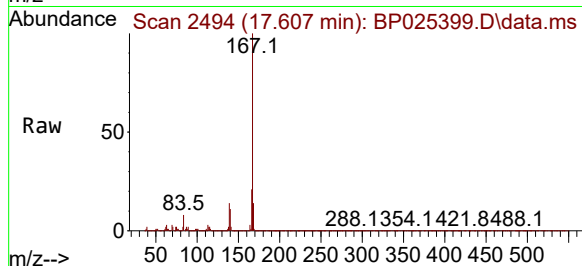
Tgt Ion:178 Resp: 3702277
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.7 12.2 18.2





#73
Carbazole
Concen: 77.368 ng
RT: 17.607 min Scan# 2494
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

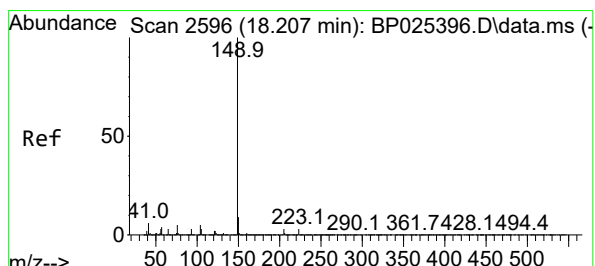
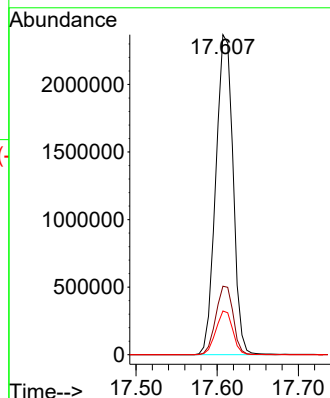
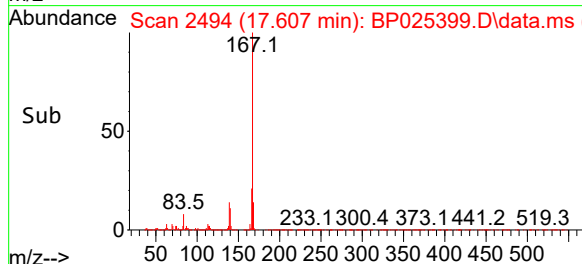
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



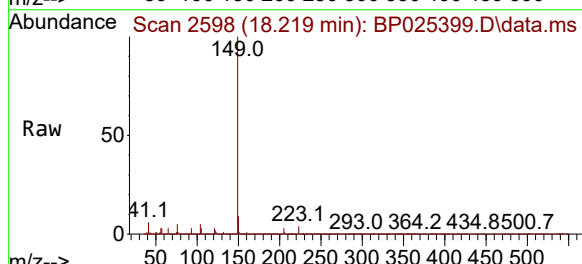
Tgt Ion:167 Resp: 350327
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 13.7 10.6 16.0

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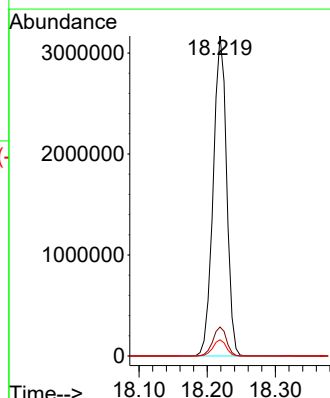
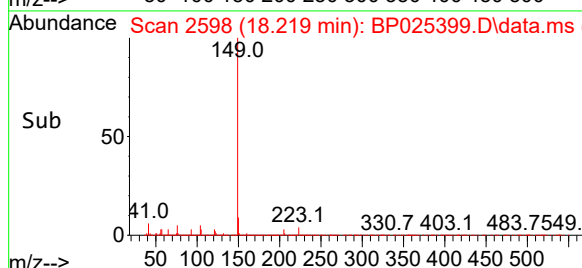
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

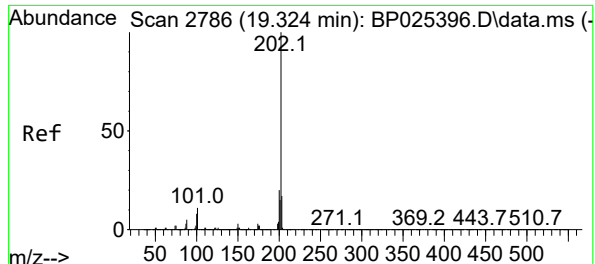


#74
Di-n-butylphthalate
Concen: 77.844 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



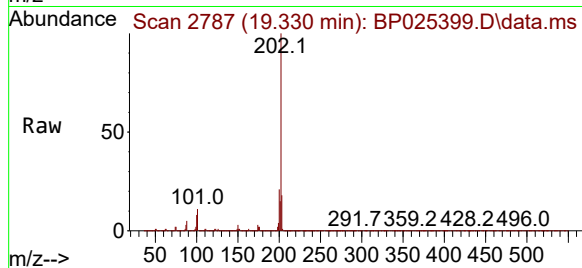
Tgt Ion:149 Resp: 4336701
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.0 4.2 6.2





#75
Fluoranthene
Concen: 76.815 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

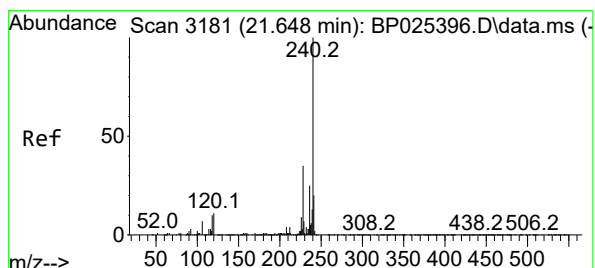
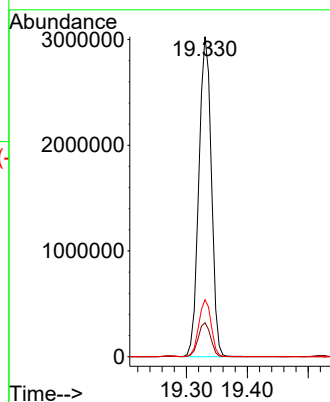
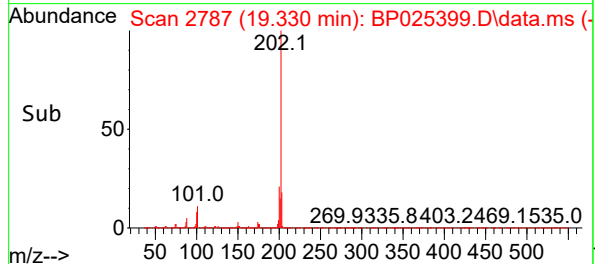
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



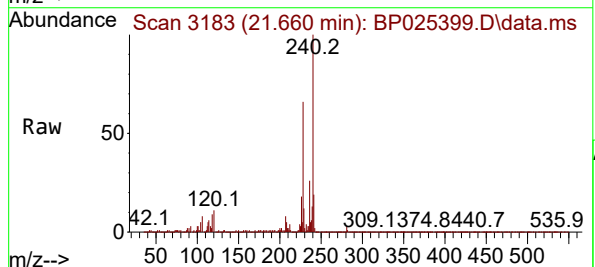
Tgt Ion: 202 Resp: 431330
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.1
203 17.8 0.0 37.3

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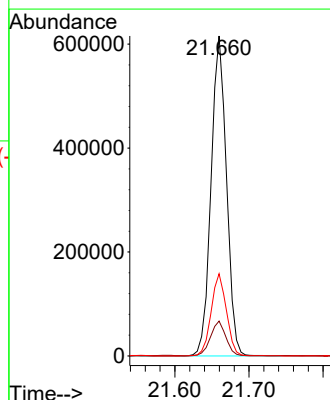
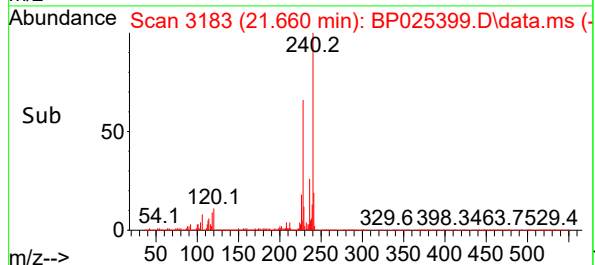
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

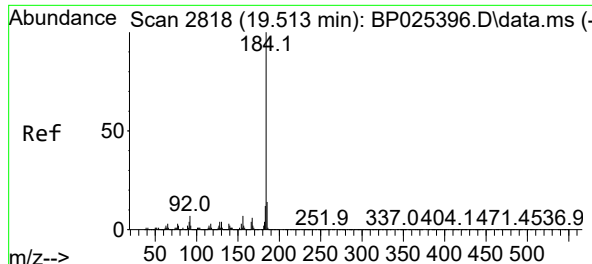


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



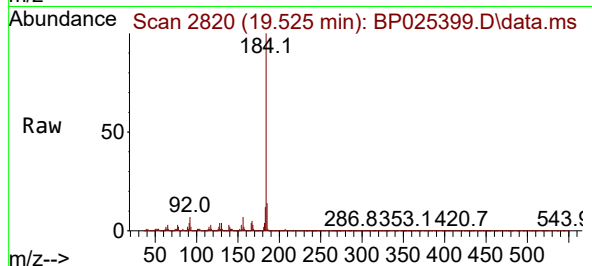
Tgt Ion: 240 Resp: 888879
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 25.7 19.8 29.8





#77
Benzidine
Concen: 67.124 ng
RT: 19.525 min Scan# 2820
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

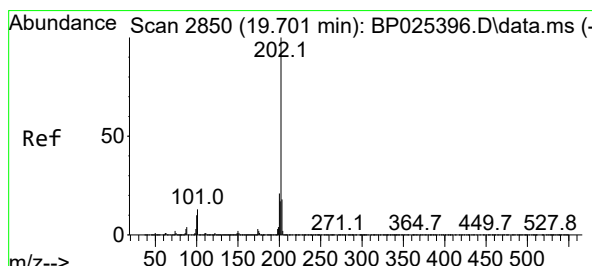
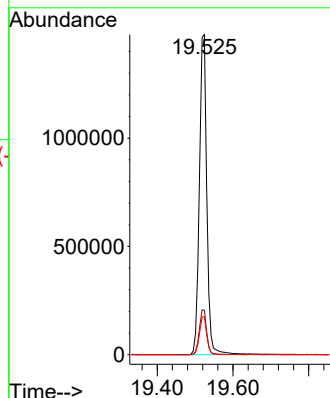
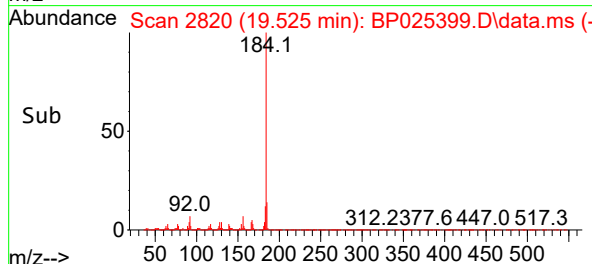
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:184 Resp: 2036240
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 11.9 9.4 14.2

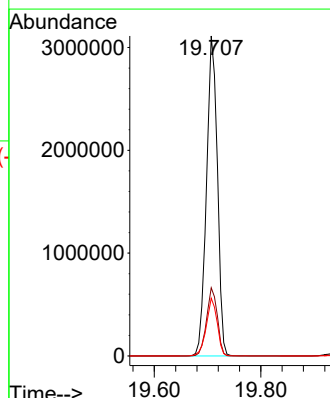
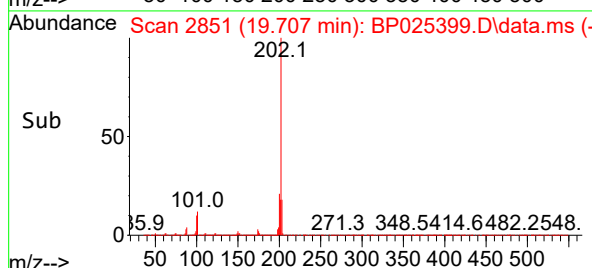
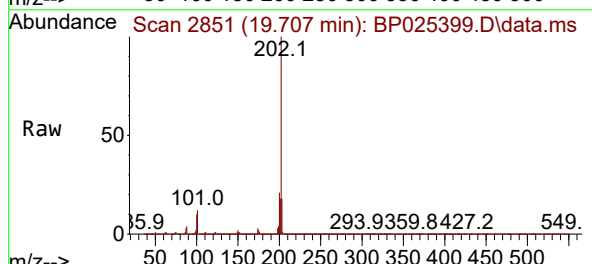
Manual Integrations
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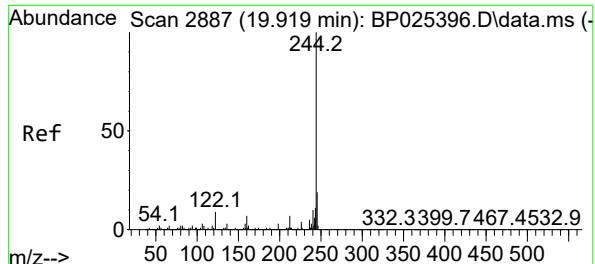
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#78
Pyrene
Concen: 76.343 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:202 Resp: 4410693
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 18.1 14.2 21.2





#79

Terphenyl-d14

Concen: 146.217 ng

RT: 19.930 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:244 Resp: 7103810

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

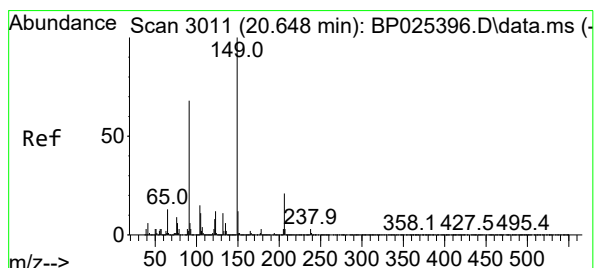
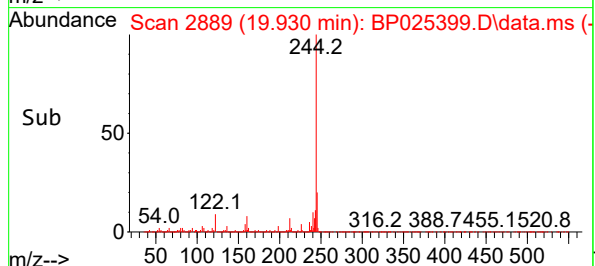
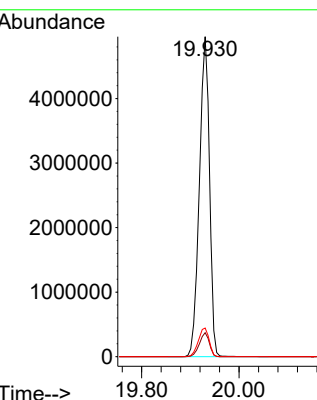
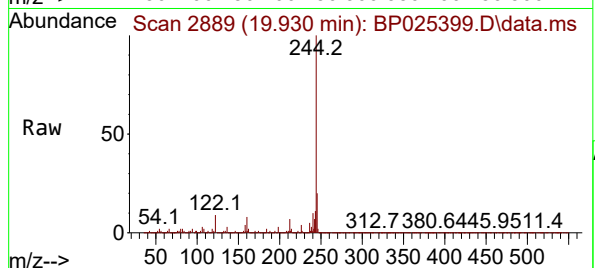
122 9.0 7.4 11.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#80

Butylbenzylphthalate

Concen: 78.460 ng

RT: 20.660 min Scan# 3013

Delta R.T. 0.012 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

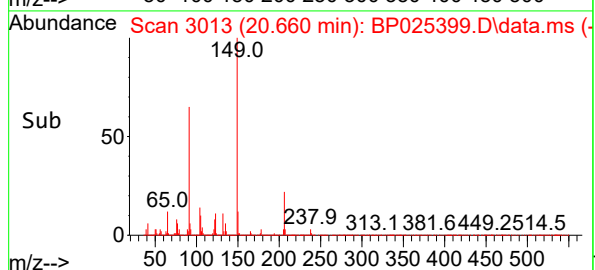
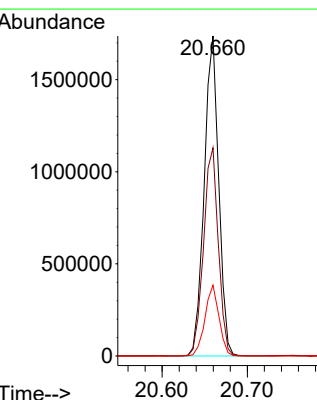
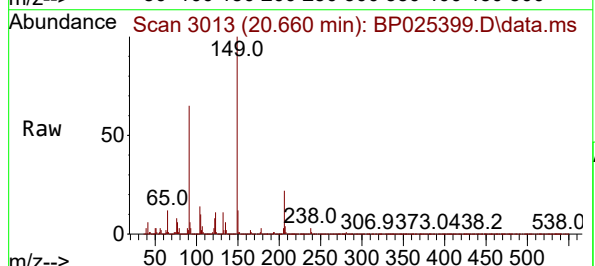
Tgt Ion:149 Resp: 2054404

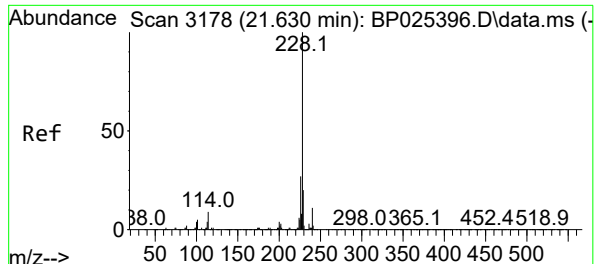
Ion Ratio Lower Upper

149 100

91 65.0 54.2 81.2

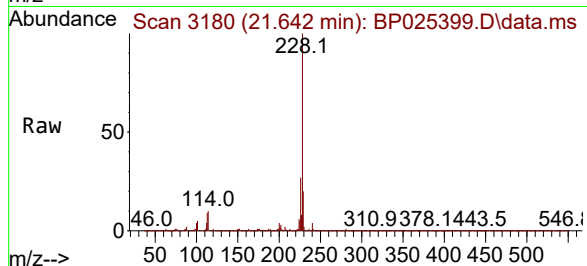
206 22.1 16.6 24.8





#81
Benzo(a)anthracene
Concen: 77.322 ng
RT: 21.642 min Scan# 3180
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

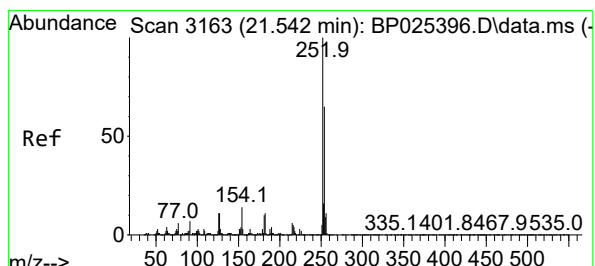
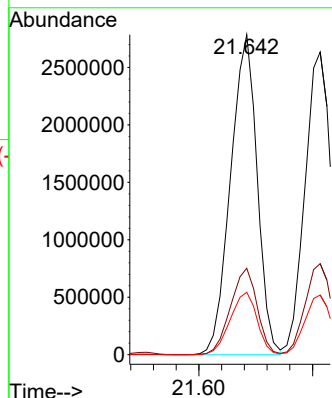
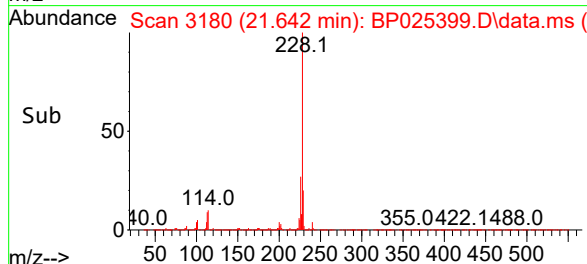
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



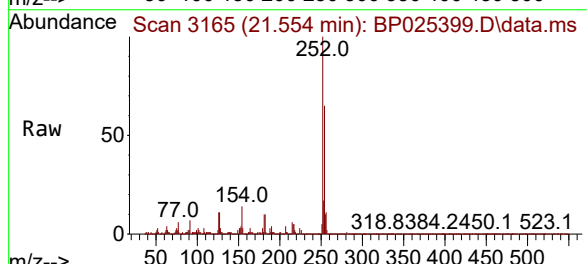
Tgt Ion:228 Resp: 453276
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.5 15.6 23.4

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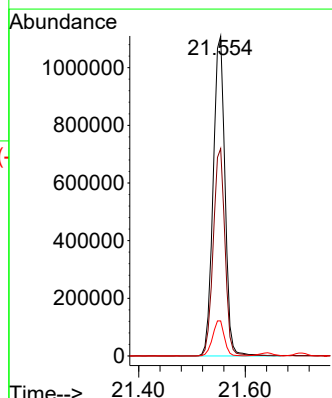
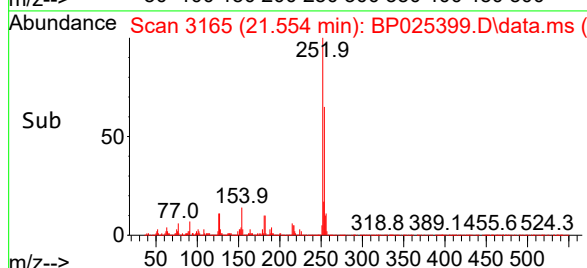
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

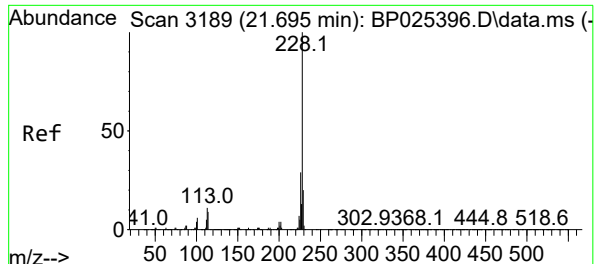


#82
3,3'-Dichlorobenzidine
Concen: 77.197 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



Tgt Ion:252 Resp: 1705746
Ion Ratio Lower Upper
252 100
254 64.8 51.8 77.6
126 11.0 9.1 13.7





#83

Chrysene

Concen: 76.835 ng

RT: 21.707 min Scan# 3189

Delta R.T. 0.012 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:228 Resp: 421816

Ion Ratio Lower Upper

228 100

226 30.1 23.2 34.8

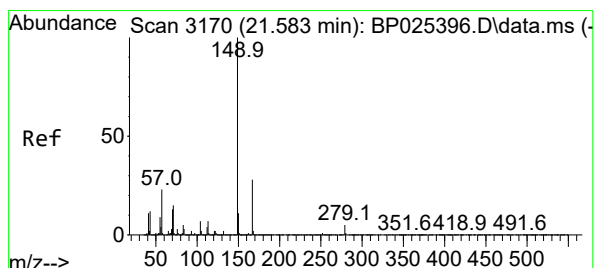
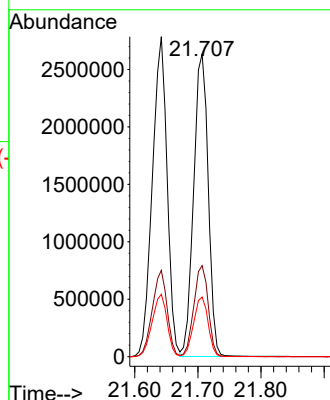
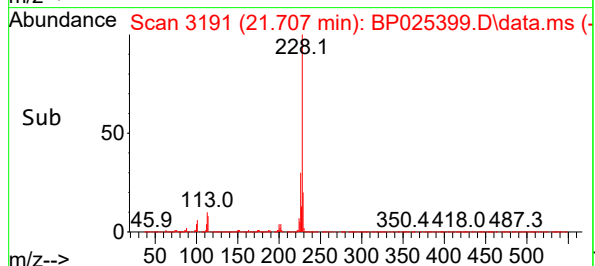
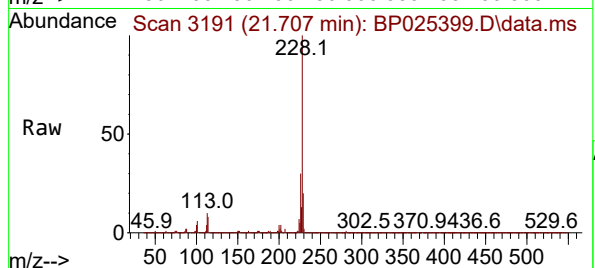
229 19.7 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 78.400 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

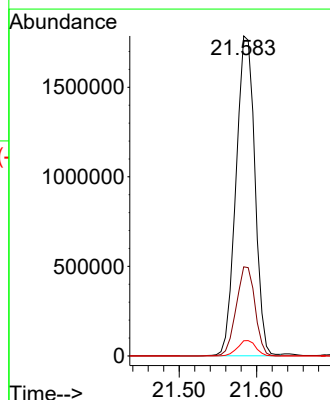
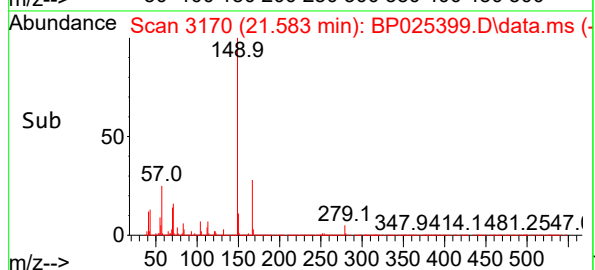
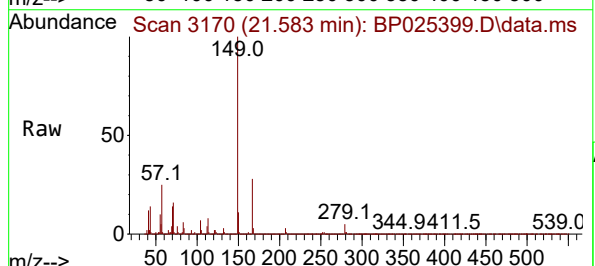
Tgt Ion:149 Resp: 3021891

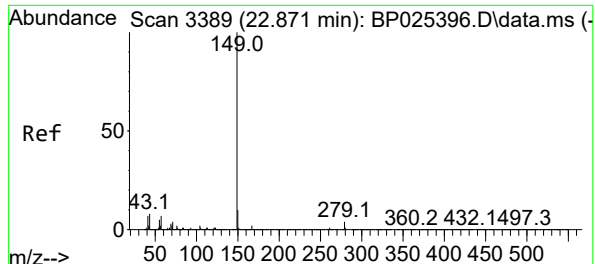
Ion Ratio Lower Upper

149 100

167 27.8 22.1 33.1

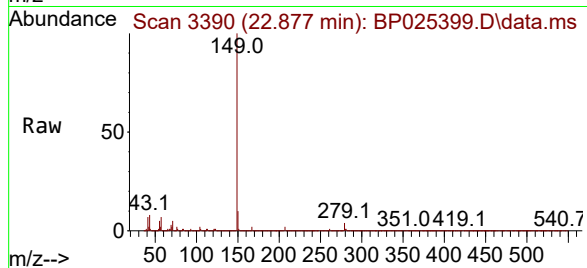
279 4.8 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 79.974 ng
RT: 22.877 min Scan# 3389
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

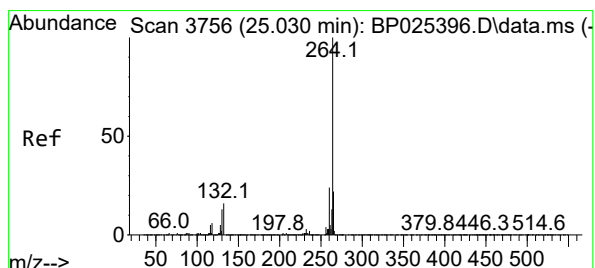
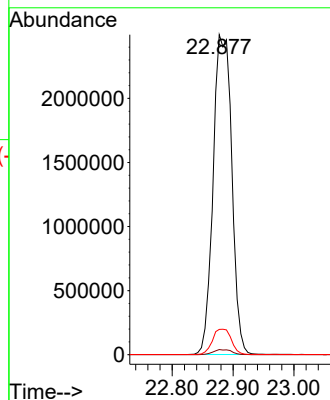
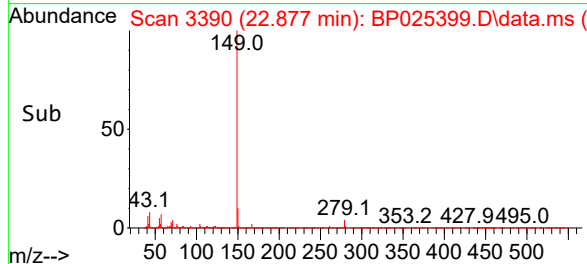
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



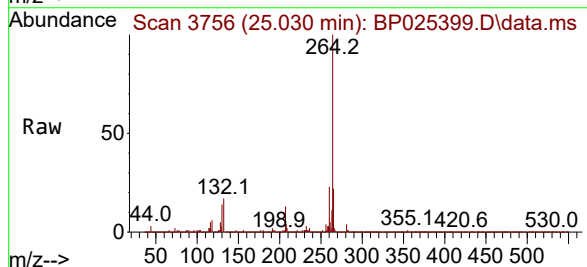
Tgt Ion:149 Resp: 5302080
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 6.3 9.5

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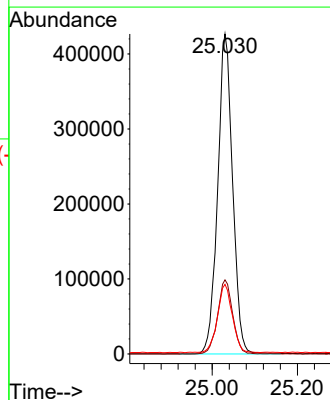
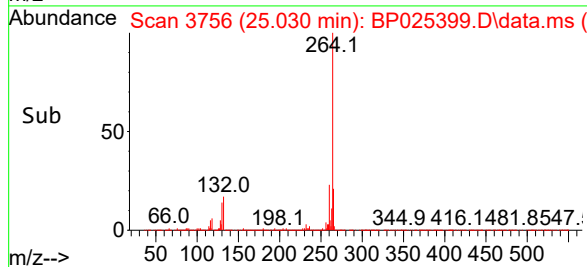
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

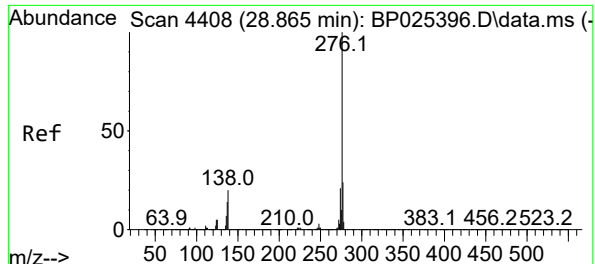


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24



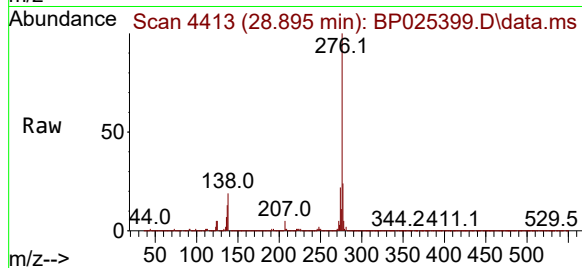
Tgt Ion:264 Resp: 1037707
Ion Ratio Lower Upper
264 100
260 23.2 19.3 28.9
265 21.8 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 81.030 ng m
RT: 28.895 min Scan# 4408
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

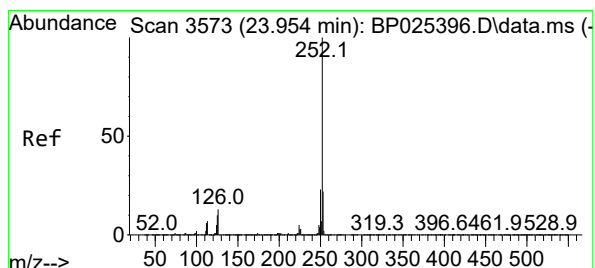
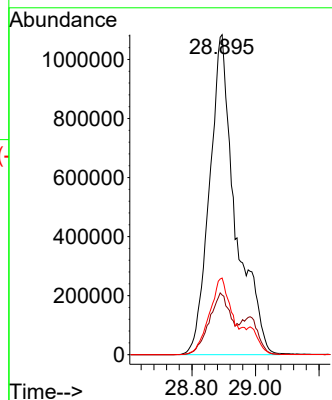
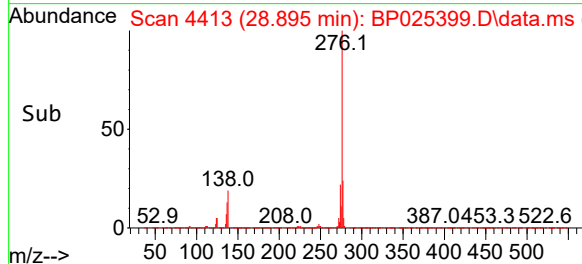
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion: 276 Resp: 6168570
Ion Ratio Lower Upper
276 100
138 16.9 12.9 19.3
277 20.5 17.0 25.6

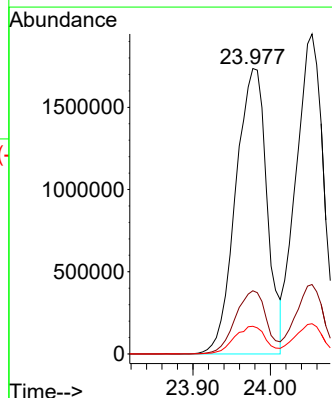
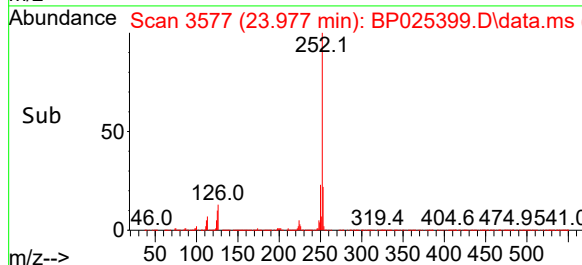
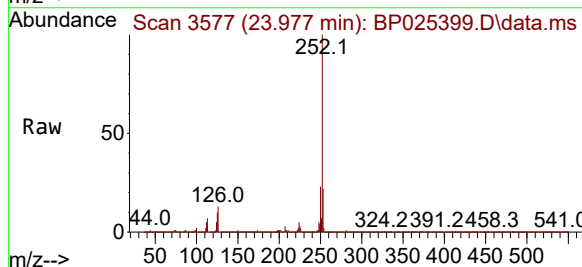
Manual Integrations
APPROVED

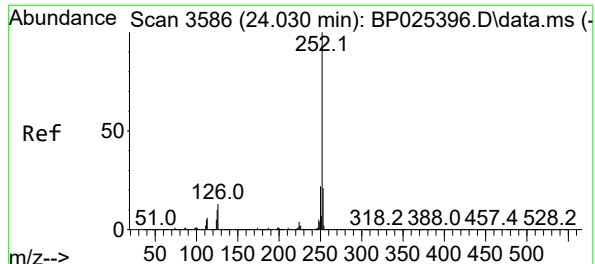
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#88
Benzo(b)fluoranthene
Concen: 79.692 ng
RT: 23.977 min Scan# 3577
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 252 Resp: 4876398
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 9.7 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 77.323 ng

RT: 24.054 min Scan# 31

Delta R.T. 0.024 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 473463

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

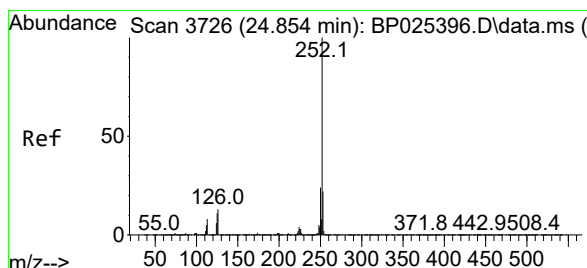
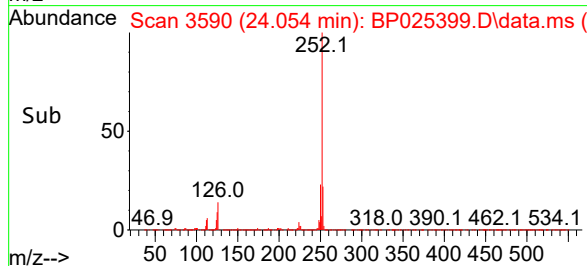
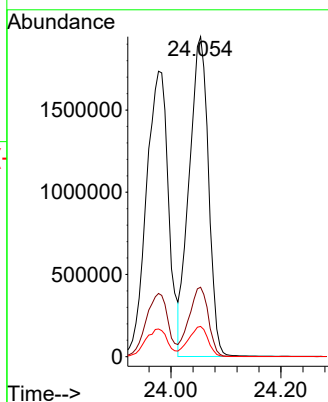
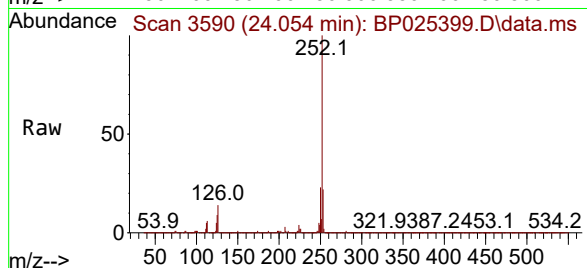
125 9.5 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 79.505 ng

RT: 24.889 min Scan# 3732

Delta R.T. 0.035 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

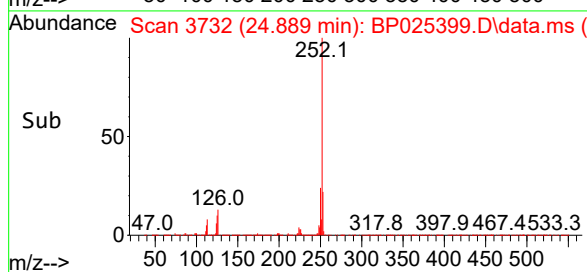
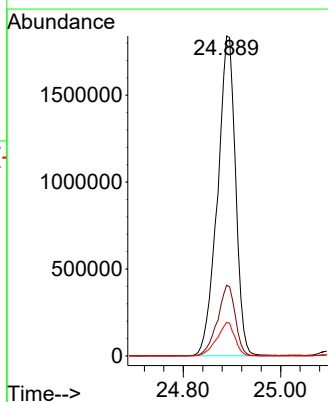
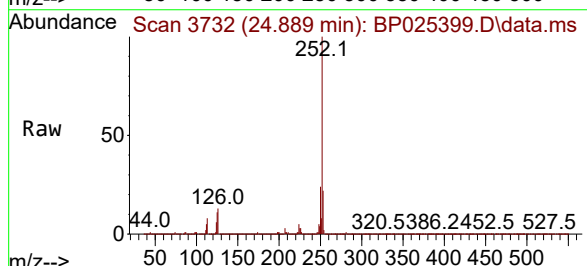
Tgt Ion:252 Resp: 4735685

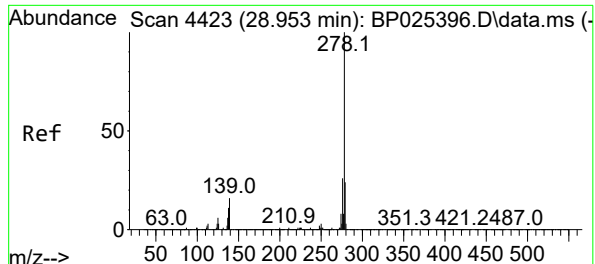
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

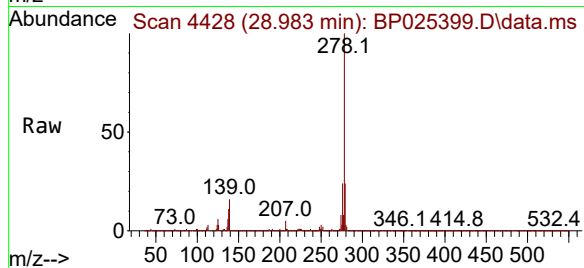
125 10.5 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 81.142 ng
RT: 28.983 min Scan# 4423
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

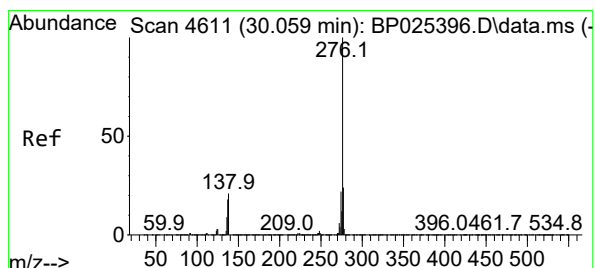
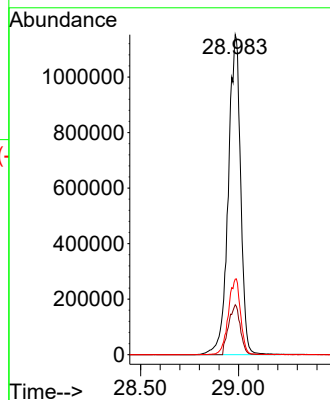
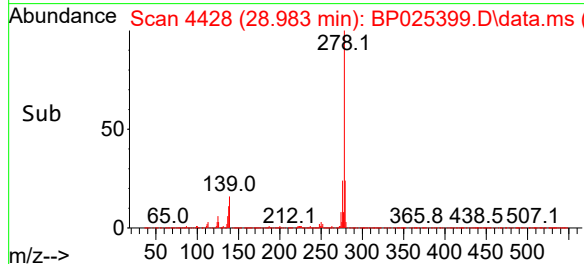
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion: 278 Resp: 5046260
Ion Ratio Lower Upper
278 100
139 15.6 13.0 19.4
279 23.6 19.4 29.2

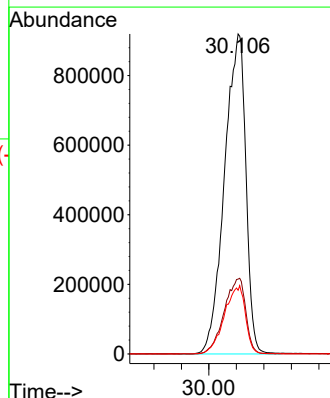
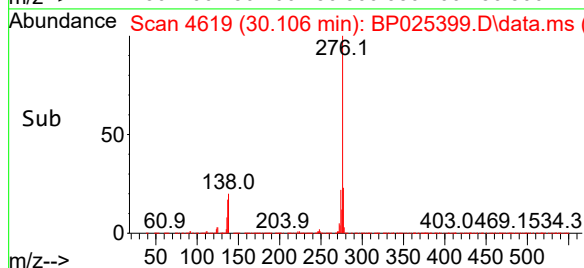
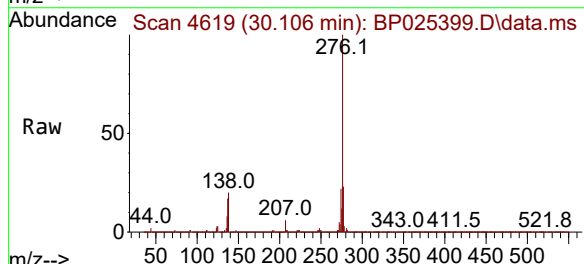
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 80.973 ng
RT: 30.106 min Scan# 4619
Delta R.T. 0.047 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 276 Resp: 4949477
Ion Ratio Lower Upper
276 100
277 23.4 19.4 29.0
138 19.9 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 18:24:25 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 18:14:31 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	174007	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	750079	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	503239	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1034378	20.000	ng	0.01
76) Chrysene-d12	21.654	240	1060337	20.000	ng	0.00
86) Perylene-d12	25.024	264	1200519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	727486	69.430	ng	0.00
7) Phenol-d6	6.966	99	962695	71.663	ng	0.00
23) Nitrobenzene-d5	8.937	82	984441	66.391	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	484870	71.582	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	2430828	66.016	ng	0.00
79) Terphenyl-d14	19.936	244	3848160	66.399	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	138687	33.792	ng	99
3) Pyridine	3.731	79	403298	35.901	ng	98
4) n-Nitrosodimethylamine	3.631	42	176521	38.115	ng	98
6) Aniline	7.125	93	690437	38.147	ng	99
8) 2-Chlorophenol	7.366	128	455230	38.501	ng	99
9) Benzaldehyde	6.943	77	321335	34.142	ng	96
10) Phenol	6.996	94	541123	38.388	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	421318	38.348	ng	99
12) 1,3-Dichlorobenzene	7.684	146	492014	37.738	ng	100
13) 1,4-Dichlorobenzene	7.825	146	504919	37.890	ng	97
14) 1,2-Dichlorobenzene	8.143	146	487845	37.818	ng	99
15) Benzyl Alcohol	8.025	79	416544	39.025	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	563276	38.271	ng	99
17) 2-Methylphenol	8.225	107	380608	38.877	ng	100
18) Hexachloroethane	8.866	117	186691	38.103	ng	97
19) n-Nitroso-di-n-propyla...	8.590	70	340533	38.270	ng	99
20) 3+4-Methylphenols	8.549	107	524095	38.620	ng	99
22) Acetophenone	8.602	105	718869	38.216	ng	# 99
24) Nitrobenzene	8.978	77	494466	37.313	ng	98
25) Isophorone	9.501	82	993378	37.855	ng	99
26) 2-Nitrophenol	9.678	139	263348	38.722	ng	97
27) 2,4-Dimethylphenol	9.743	122	455078	38.910	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	599862	37.816	ng	99
29) 2,4-Dichlorophenol	10.213	162	449034	38.649	ng	98
30) 1,2,4-Trichlorobenzene	10.431	180	474183	37.231	ng	98
31) Naphthalene	10.613	128	1459279	37.431	ng	99
32) Benzoic acid	9.884	122	330207	38.242	ng	96
33) 4-Chloroaniline	10.713	127	655135	38.043	ng	99
34) Hexachlorobutadiene	10.901	225	293728	37.031	ng	98
35) Caprolactam	11.501	113	163211	38.310	ng	98
36) 4-Chloro-3-methylphenol	11.837	107	517126	38.789	ng	98
37) 2-Methylnaphthalene	12.219	142	960146	37.845	ng	99
38) 1-Methylnaphthalene	12.443	142	1012844	37.539	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	550777	37.895	ng	100
41) Hexachlorocyclopentadiene	12.572	237	351819	40.074	ng	100
43) 2,4,6-Trichlorophenol	12.831	196	382393	38.972	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	420565	39.108	ng	99
46) 1,1'-Biphenyl	13.237	154	1376834	37.672	ng	99
47) 2-Chloronaphthalene	13.272	162	1072147	37.682	ng	99
48) 2-Nitroaniline	13.472	65	323995	39.081	ng	99
49) Acenaphthylene	14.125	152	1775899	37.720	ng	100
50) Dimethylphthalate	13.860	163	1406620	38.170	ng	100
51) 2,6-Dinitrotoluene	13.972	165	304562	39.211	ng	98
52) Acenaphthene	14.472	154	1018011m	36.837	ng	
53) 3-Nitroaniline	14.301	138	349791	40.027	ng	98
54) 2,4-Dinitrophenol	14.507	184	172743	41.646	ng	100
55) Dibenzofuran	14.813	168	1630744	37.324	ng	100
56) 4-Nitrophenol	14.619	139	284585	39.630	ng	99
57) 2,4-Dinitrotoluene	14.772	165	448143	40.439	ng	98
58) Fluorene	15.478	166	1275341	36.992	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	371715	39.147	ng	99
60) Diethylphthalate	15.242	149	1415787	37.810	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	627477	36.596	ng	99
62) 4-Nitroaniline	15.484	138	346865	38.717	ng	99
63) Azobenzene	15.766	77	1235242	38.526	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	256111	39.721	ng	99
66) n-Nitrosodiphenylamine	15.684	169	1174244	37.227	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	422072	37.101	ng	96
68) Hexachlorobenzene	16.501	284	488749	37.062	ng	98
69) Atrazine	16.660	200	449555	38.057	ng	100
70) Pentachlorophenol	16.854	266	322435	38.733	ng	98
71) Phenanthrene	17.254	178	2070873	36.445	ng	99
72) Anthracene	17.342	178	2179669	37.563	ng	100
73) Carbazole	17.619	167	2028595	37.116	ng	100
74) Di-n-butylphthalate	18.225	149	2528547	37.602	ng	100
75) Fluoranthene	19.342	202	2540417	37.481	ng	99
77) Benzidine	19.519	184	1529656	42.271	ng	99
78) Pyrene	19.713	202	2577810	37.404	ng	99
80) Butylbenzylphthalate	20.660	149	1199445	38.401	ng	98
81) Benzo(a)anthracene	21.636	228	2583866	36.950	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1002597	38.038	ng	99
83) Chrysene	21.701	228	2446197	37.353	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1780746	38.729	ng	100
85) Di-n-octyl phthalate	22.877	149	2998528	37.915	ng	100
87) Indeno(1,2,3-cd)pyrene	28.877	276	3267965	37.119	ng	94
88) Benzo(b)fluoranthene	23.971	252	2616701	36.964	ng	100
89) Benzo(k)fluoranthene	24.042	252	2653905	37.464	ng	99
90) Benzo(a)pyrene	24.871	252	2560692	37.160	ng	100
91) Dibenzo(a,h)anthracene	28.948	278	2697336	37.490	ng	99
92) Benzo(g,h,i)perylene	30.089	276	2632085	37.216	ng	98

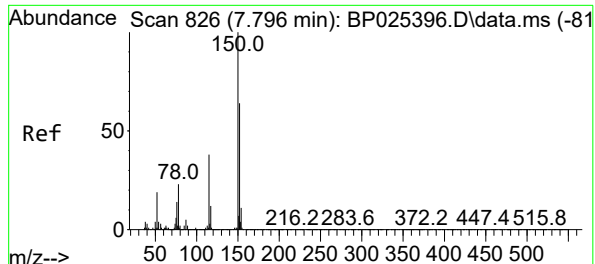
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jaagrut Upadhyay 08/15/2025





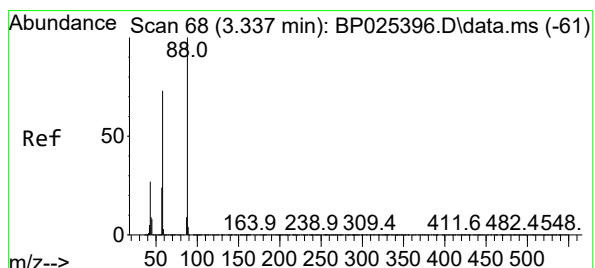
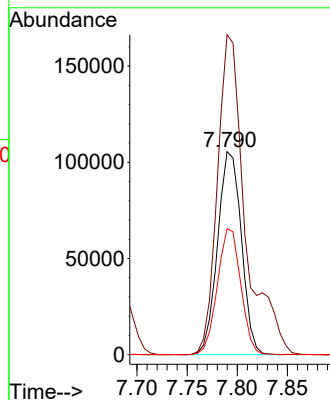
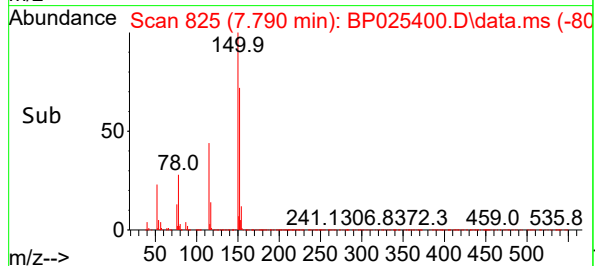
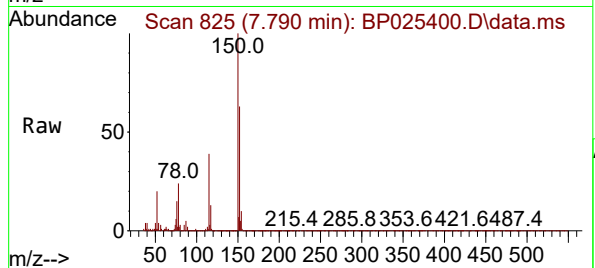
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
Client Sample Id :
ICVBP081425

Tgt Ion: 152 Resp: 17400
Ion Ratio Lower Upper
152 100
150 157.6 125.9 188.9
115 62.0 48.5 72.7

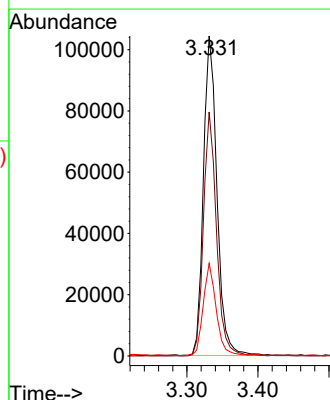
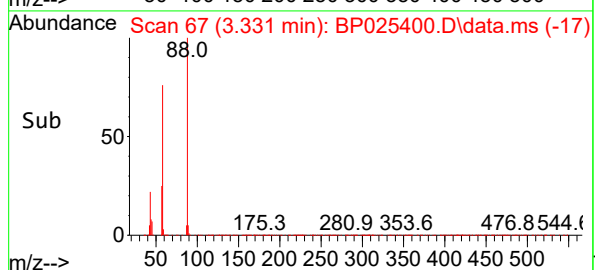
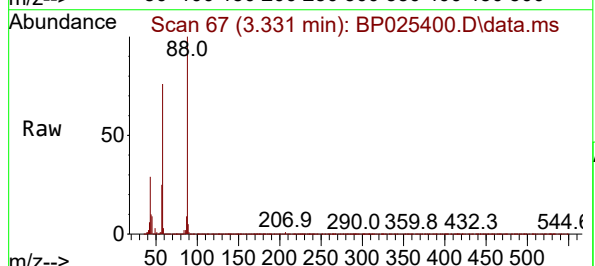
Manual Integrations
APPROVED

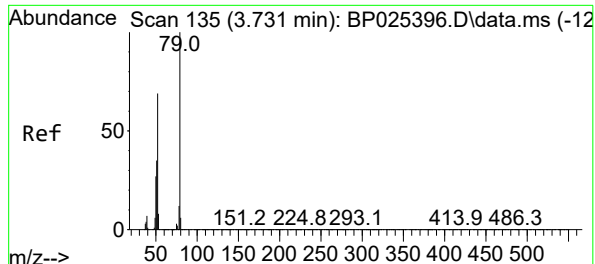
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 33.792 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

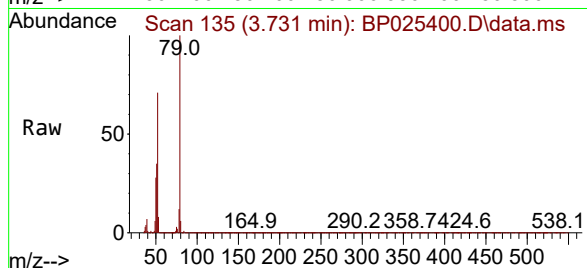
Tgt Ion: 88 Resp: 138687
Ion Ratio Lower Upper
88 100
58 73.7 59.2 88.8
43 27.9 21.7 32.5





#3
Pyridine
Concen: 35.901 ng
RT: 3.731 min Scan# 118
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

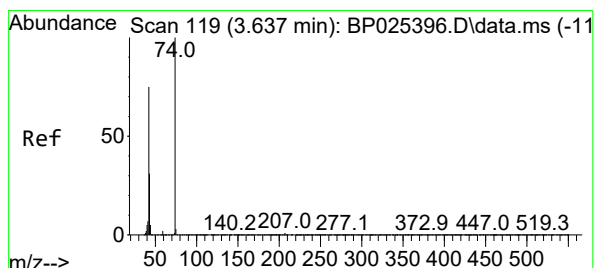
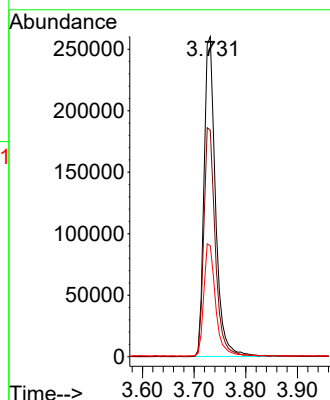
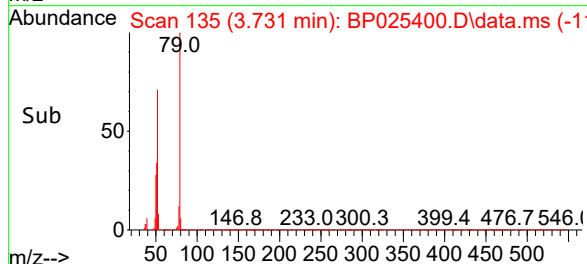
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



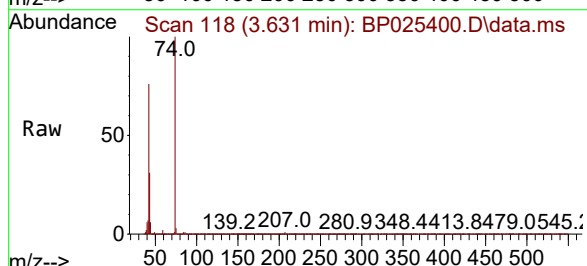
Tgt Ion: 79 Resp: 403298
Ion Ratio Lower Upper
79 100
52 70.8 55.5 83.3
51 34.7 28.3 42.5

Manual Integrations
APPROVED

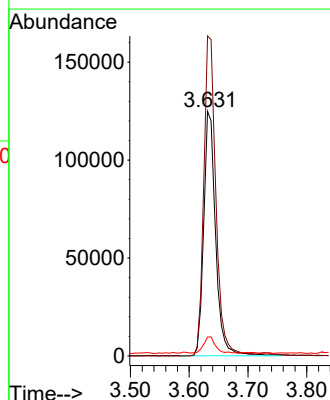
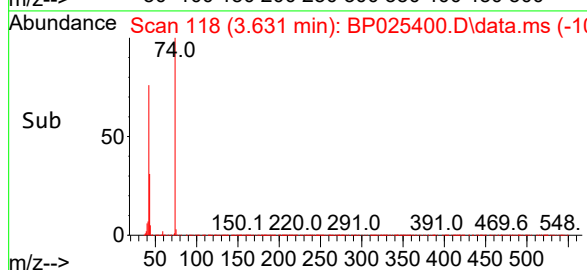
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

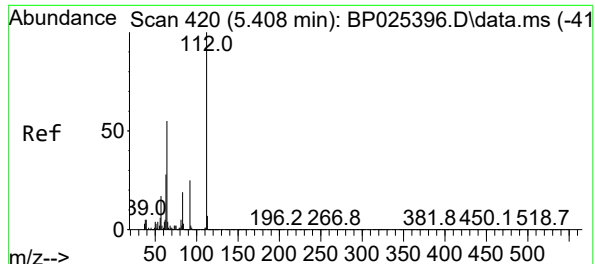


#4
n-Nitrosodimethylamine
Concen: 38.115 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



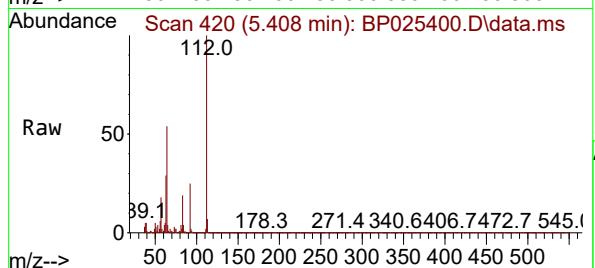
Tgt Ion: 42 Resp: 176521
Ion Ratio Lower Upper
42 100
74 130.8 107.0 160.4
44 7.7 6.2 9.4





#5
2-Fluorophenol
Concen: 69.430 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

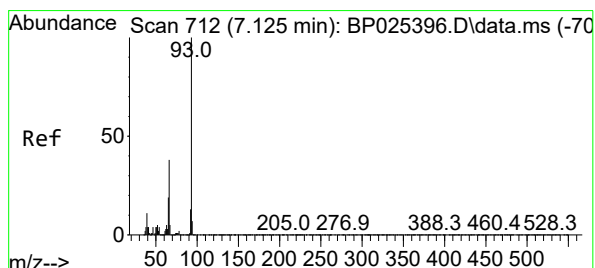
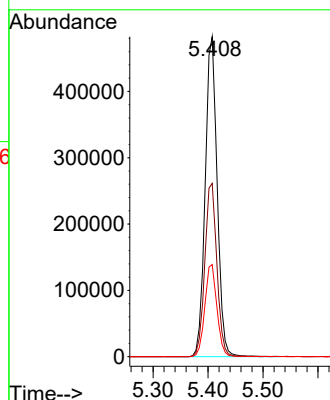
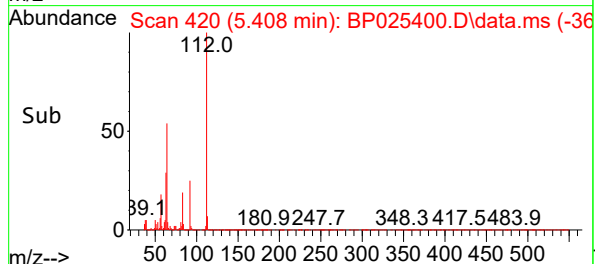
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



Tgt Ion: 112 Resp: 727480
Ion Ratio Lower Upper
112 100
64 54.2 43.8 65.8
63 28.8 22.7 34.1

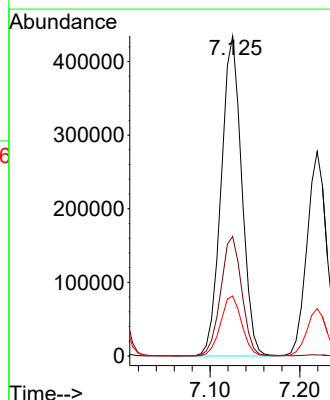
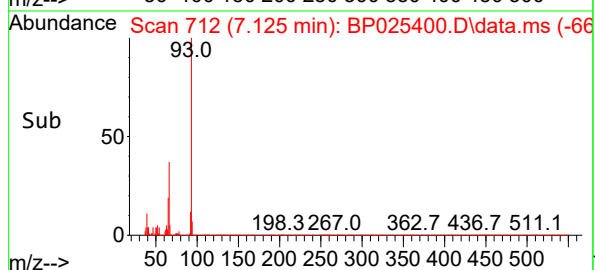
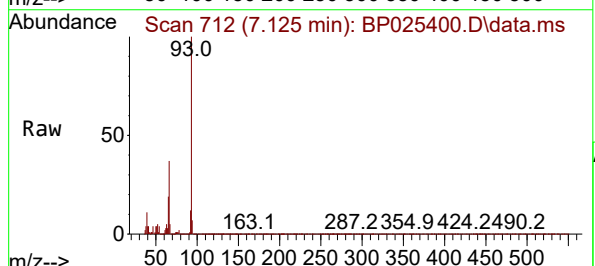
Manual Integrations
APPROVED

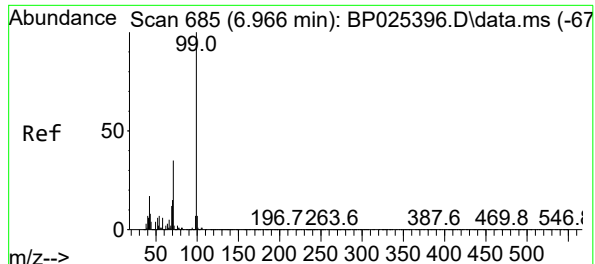
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 38.147 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 690437
Ion Ratio Lower Upper
93 100
66 37.3 30.4 45.6
65 18.7 15.3 22.9





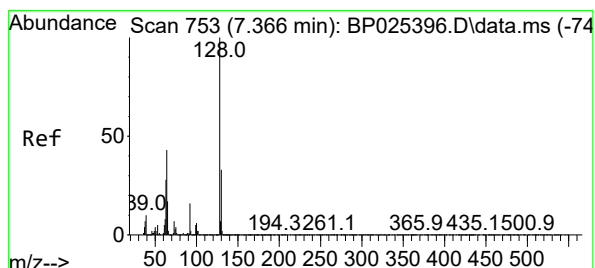
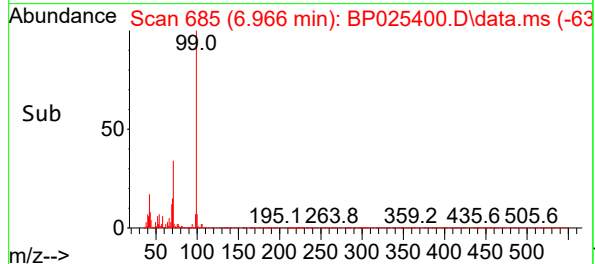
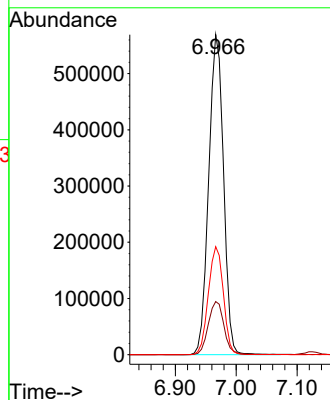
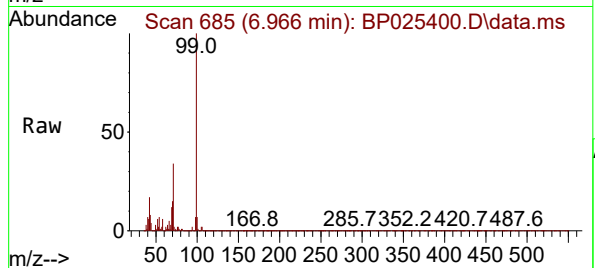
#7
Phenol-d6
Concen: 71.663 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 99 Resp: 96269
Ion Ratio Lower Upper
99 100
42 16.6 13.7 20.5
71 33.7 28.2 42.4

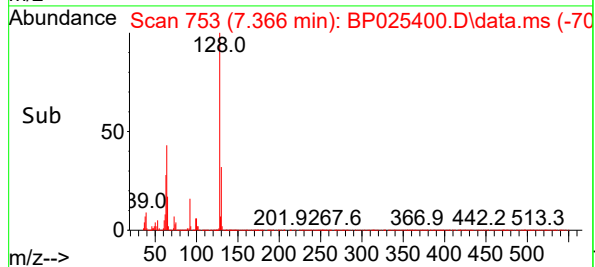
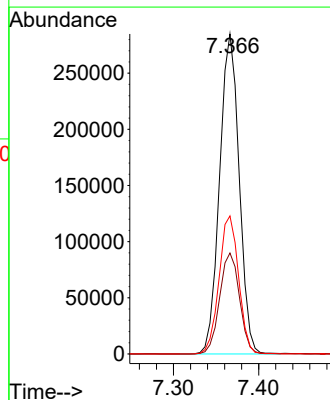
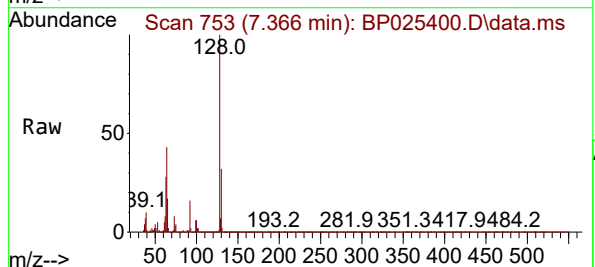
Manual Integrations
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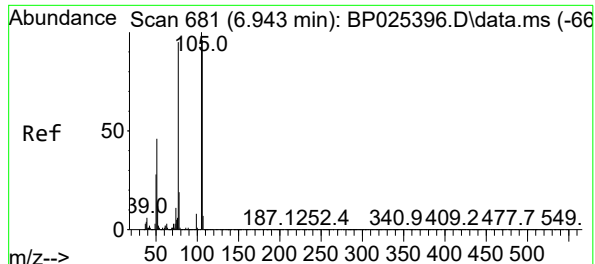
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#8
2-Chlorophenol
Concen: 38.501 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:128 Resp: 455230
Ion Ratio Lower Upper
128 100
130 31.6 12.6 52.6
64 43.2 23.4 63.4





#9

Benzaldehyde

Concen: 34.142 ng

RT: 6.943 min Scan# 681

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

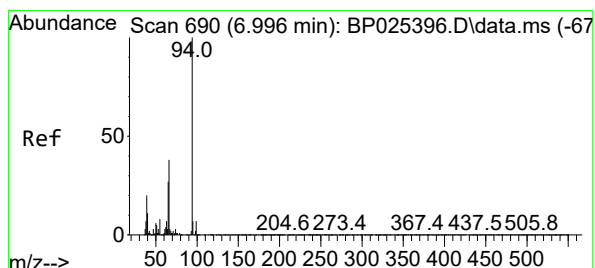
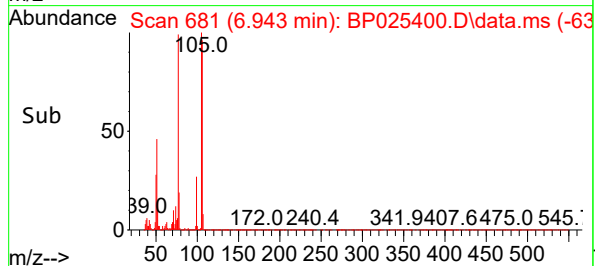
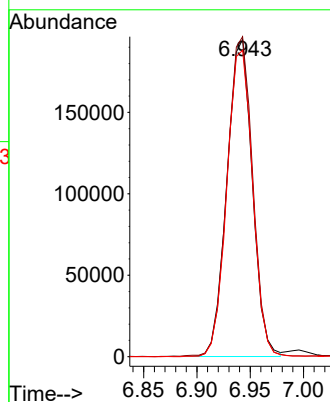
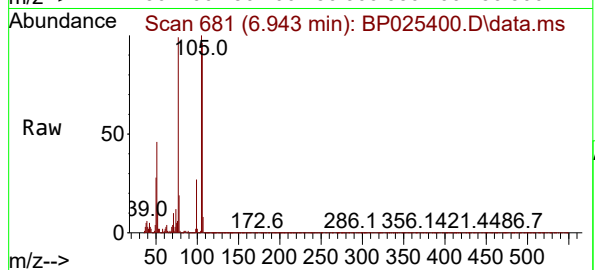
ICVBP081425

Tgt Ion:	77	Resp:	32133
Ion	Ratio	Lower	Upper
77	100		
105	100.9	84.8	124.8
106	96.6	80.5	120.5

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#10

Phenol

Concen: 38.388 ng

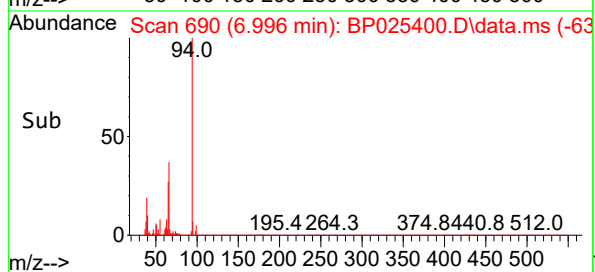
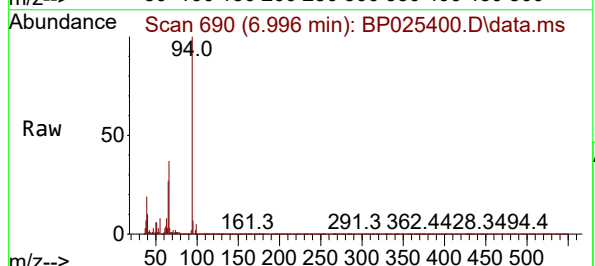
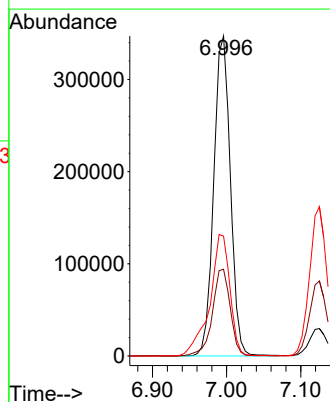
RT: 6.996 min Scan# 690

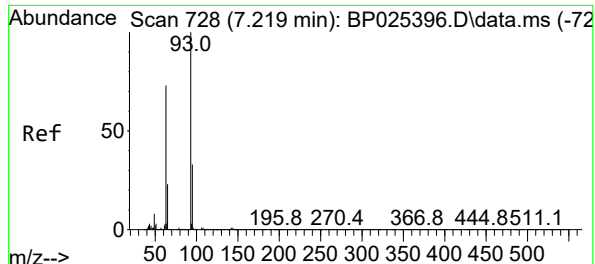
Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Tgt Ion:	94	Resp:	541123
Ion	Ratio	Lower	Upper
94	100		
65	27.1	6.8	46.8
66	37.5	18.2	58.2





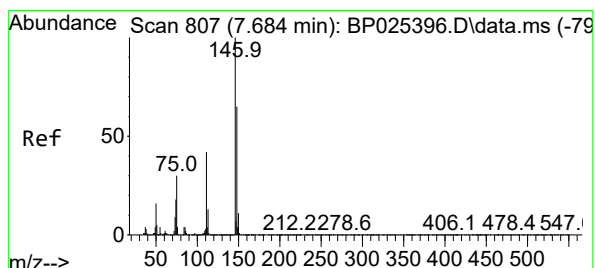
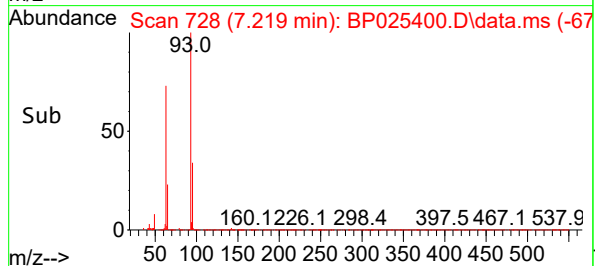
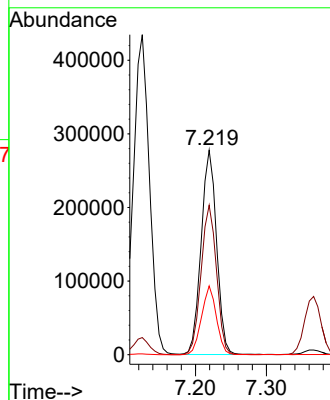
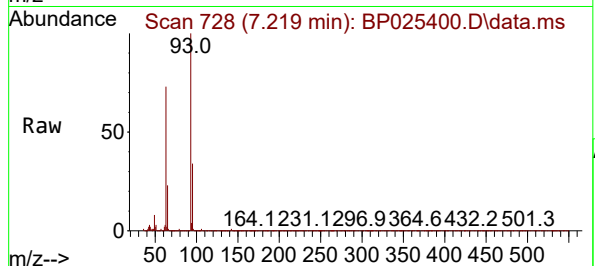
#11
bis(2-Chloroethyl)ether
Concen: 38.348 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 93 Resp: 421318
Ion Ratio Lower Upper
93 100
63 73.1 52.6 92.6
95 33.6 12.7 52.7

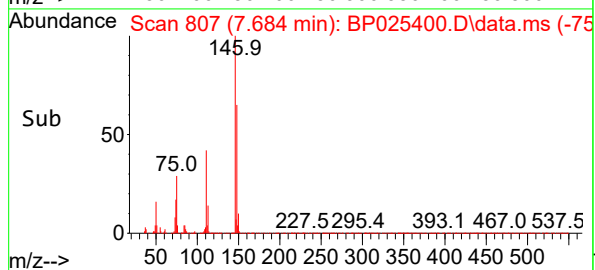
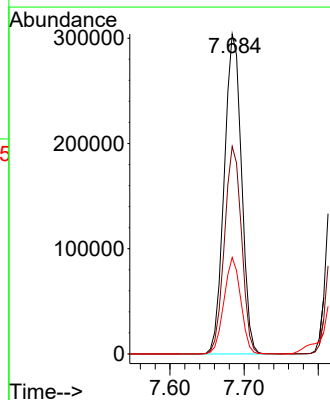
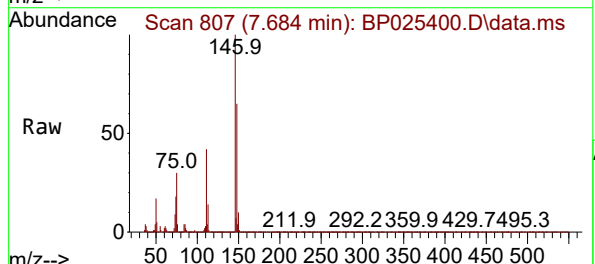
Manual Integrations
APPROVED

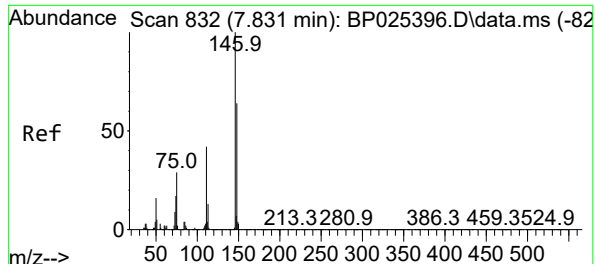
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#12
1,3-Dichlorobenzene
Concen: 37.738 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 492014
Ion Ratio Lower Upper
146 100
148 64.8 51.9 77.9
75 30.1 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 37.890 ng

RT: 7.825 min Scan# 831

Delta R.T. -0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:146 Resp: 504919

Ion Ratio Lower Upper

146 100

148 62.3 51.6 77.4

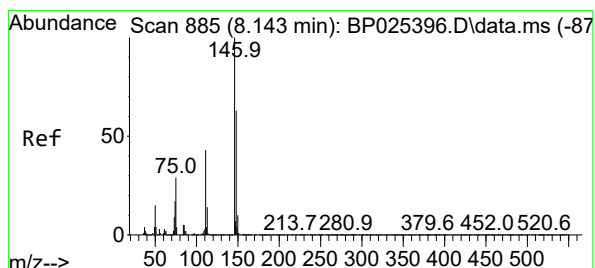
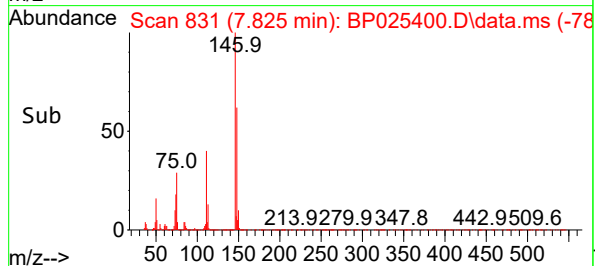
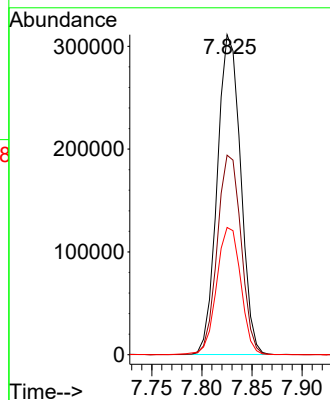
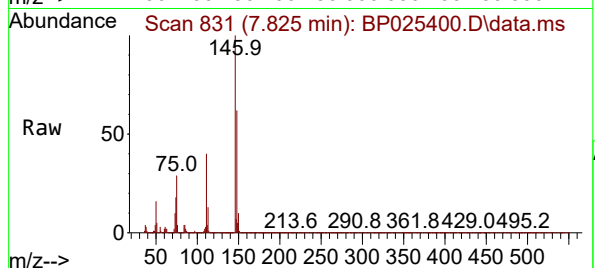
111 39.8 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#14

1,2-Dichlorobenzene

Concen: 37.818 ng

RT: 8.143 min Scan# 885

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

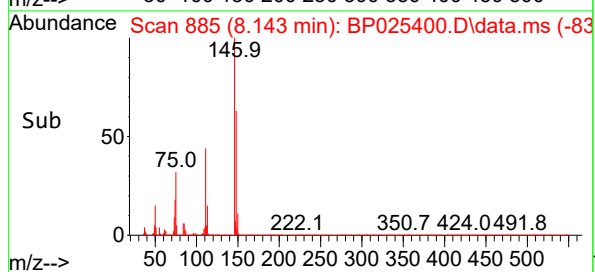
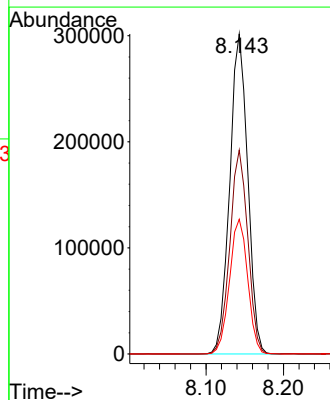
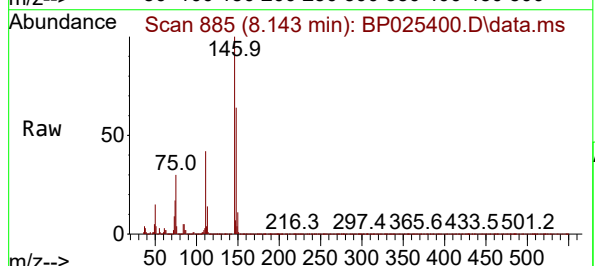
Tgt Ion:146 Resp: 487845

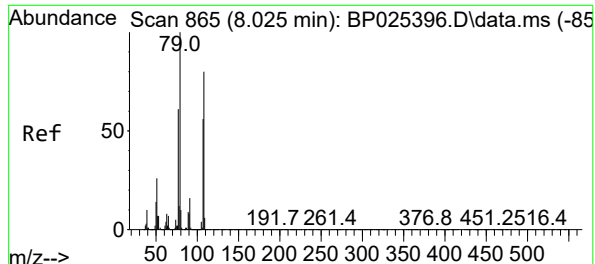
Ion Ratio Lower Upper

146 100

148 63.7 50.4 75.6

111 42.1 34.5 51.7





#15

Benzyl Alcohol

Concen: 39.025 ng

RT: 8.025 min Scan# 80

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion: 79 Resp: 416544

Ion Ratio Lower Upper

79 100

108 78.5 63.8 95.6

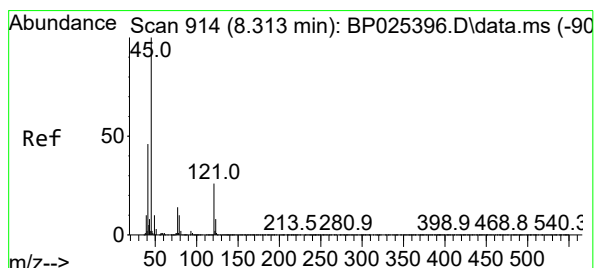
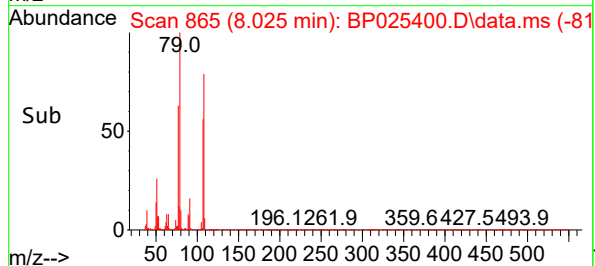
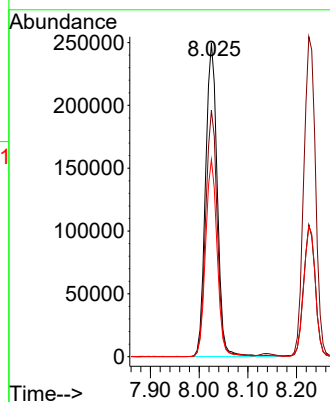
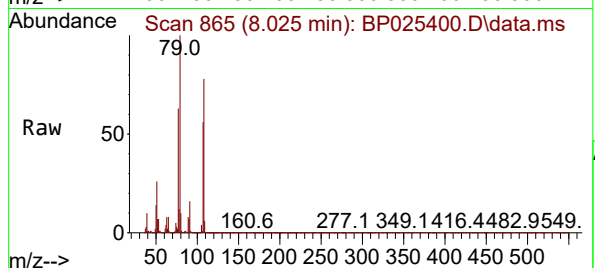
77 62.8 49.0 73.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.271 ng

RT: 8.319 min Scan# 915

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

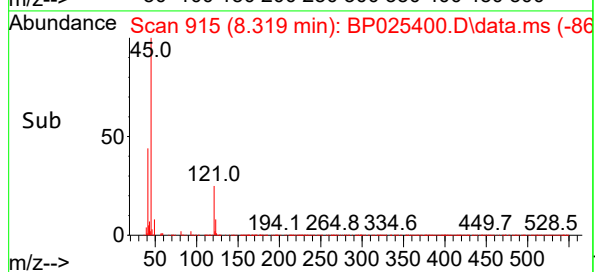
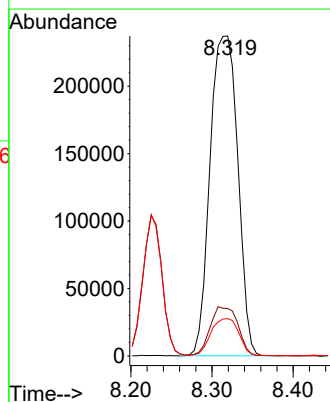
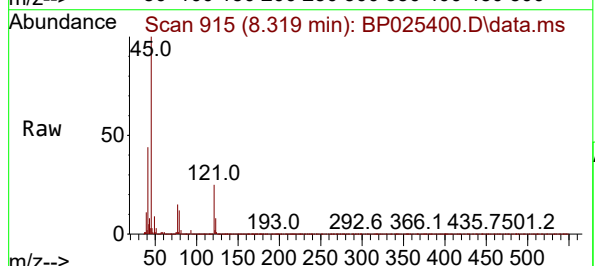
Tgt Ion: 45 Resp: 563276

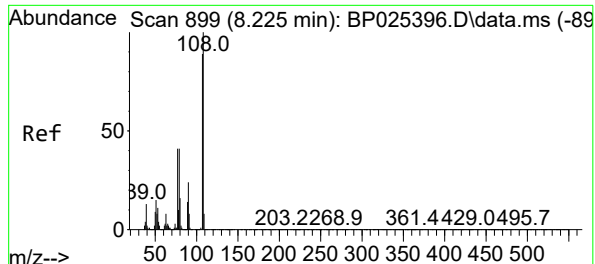
Ion Ratio Lower Upper

45 100

77 14.8 0.0 35.3

79 11.7 0.0 31.8





#17

2-Methylphenol

Concen: 38.877 ng

RT: 8.225 min Scan# 899

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:107 Resp: 380608

Ion Ratio Lower Upper

107 100

108 111.0 89.4 134.0

77 45.3 36.3 54.5

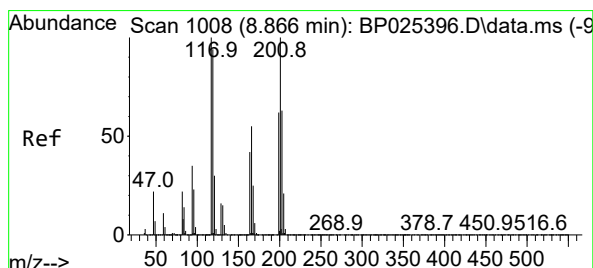
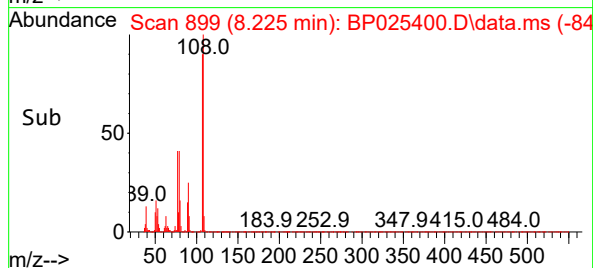
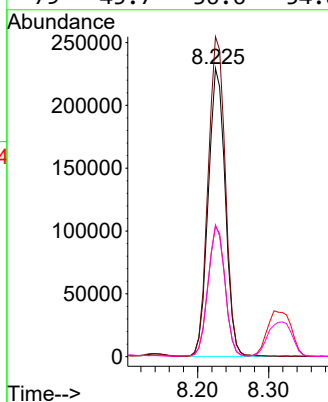
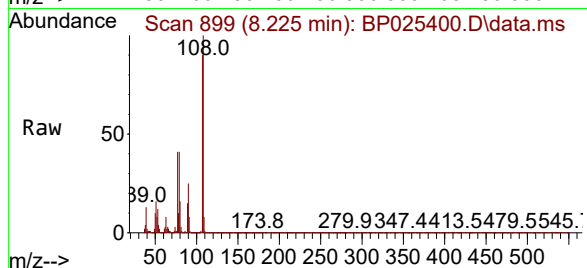
79 45.7 36.6 54.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#18

Hexachloroethane

Concen: 38.103 ng

RT: 8.866 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

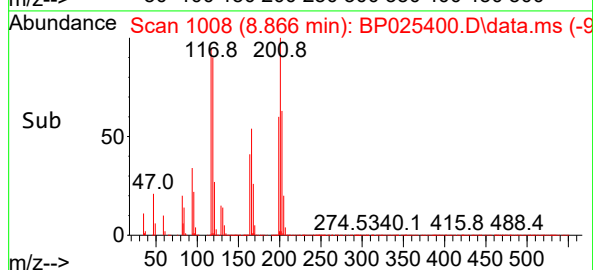
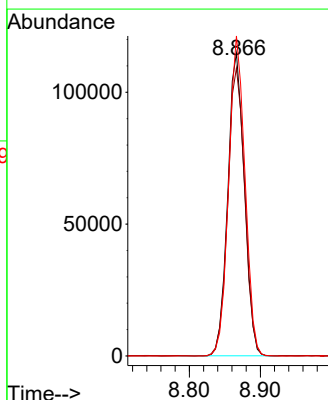
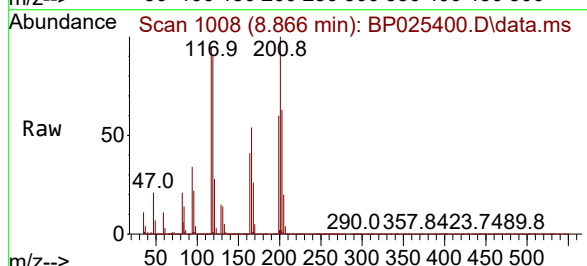
Tgt Ion:117 Resp: 186691

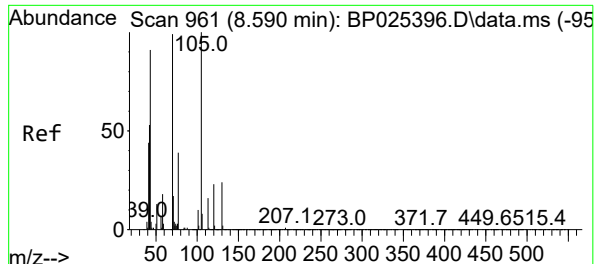
Ion Ratio Lower Upper

117 100

119 95.0 75.1 112.7

201 105.6 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 38.270 ng

RT: 8.590 min Scan# 961

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion: 70 Resp: 34053

Ion Ratio Lower Upper

70 100

42 55.7 43.8 65.6

101 10.7 8.5 12.7

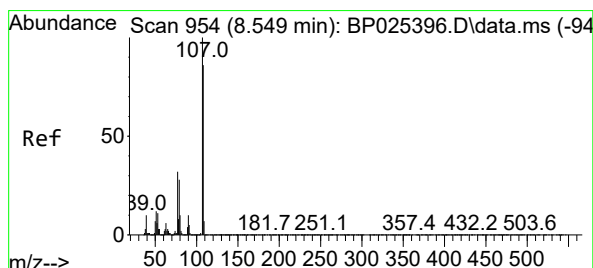
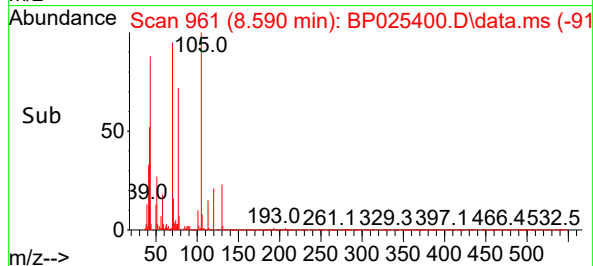
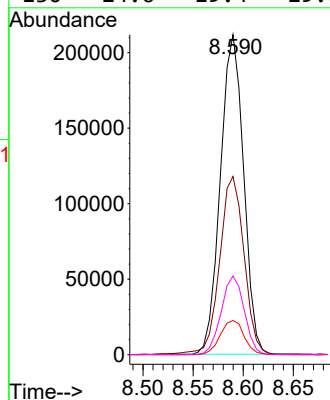
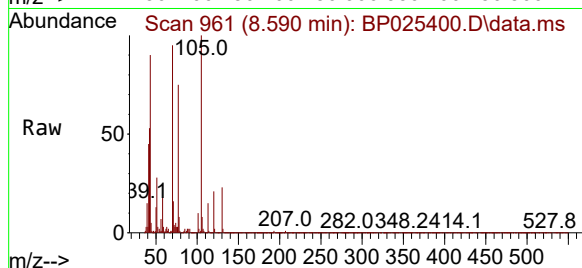
130 24.6 19.4 29.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#20

3+4-Methylphenols

Concen: 38.620 ng

RT: 8.549 min Scan# 954

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 524095

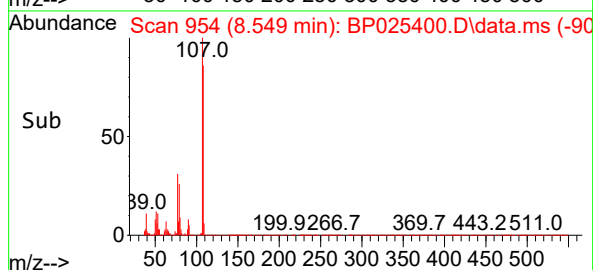
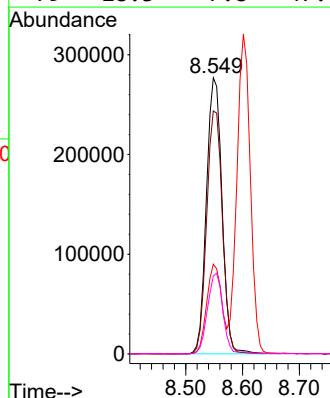
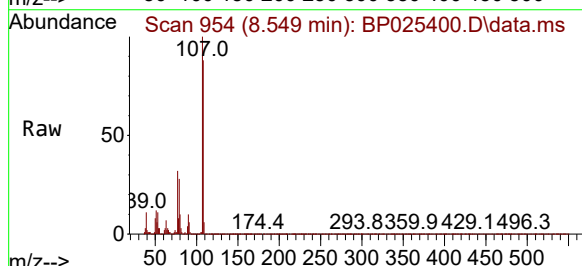
Ion Ratio Lower Upper

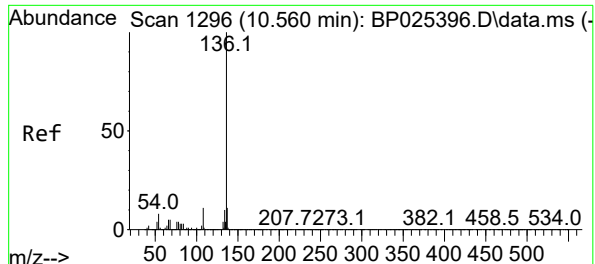
107 100

108 88.0 66.3 106.3

77 32.5 12.3 52.3

79 28.3 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

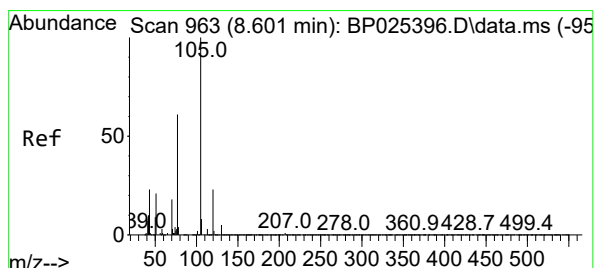
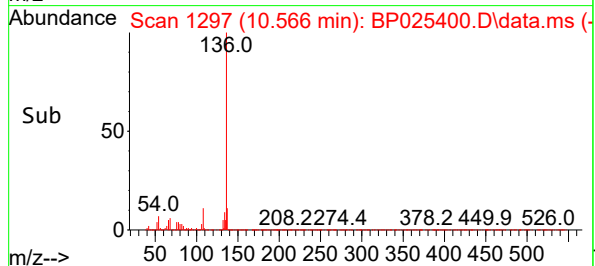
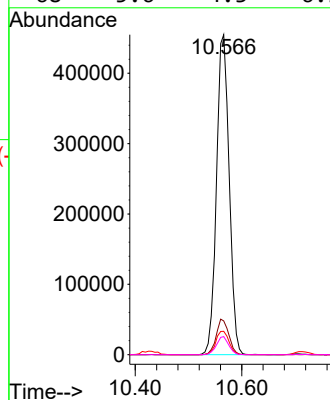
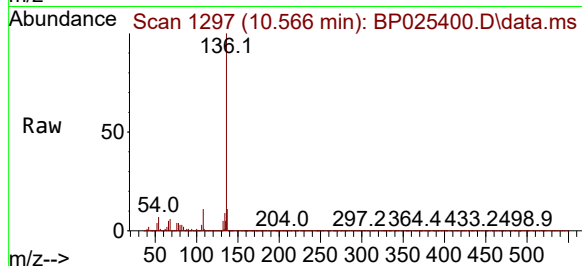
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.3	6.0	9.0
68	5.6	4.3	6.5

Manual Integrations

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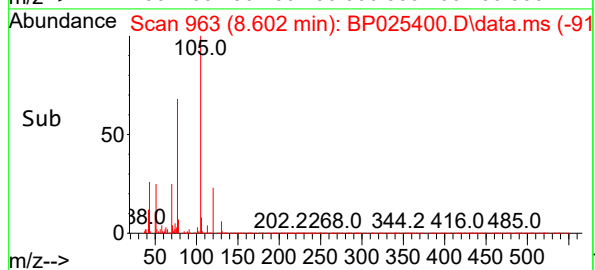
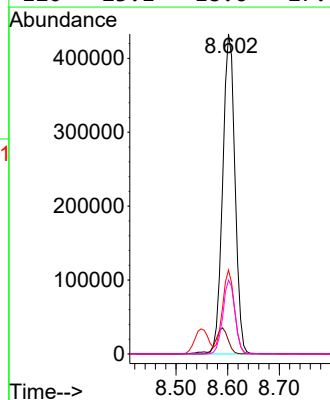
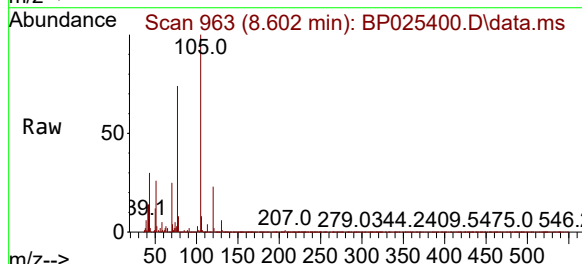
Reviewed By :Rahul Chavli 08/15/2025

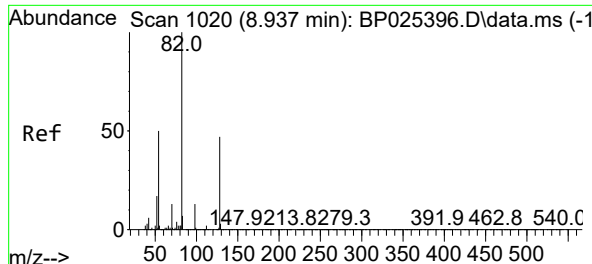
Supervised By :Jagrut Upadhyay 08/15/2025



#22
Acetophenone
Concen: 38.216 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	26.2	20.6	30.8
120	23.1	18.6	27.8





#23

Nitrobenzene-d5

Concen: 66.391 ng

RT: 8.937 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BP025400.D

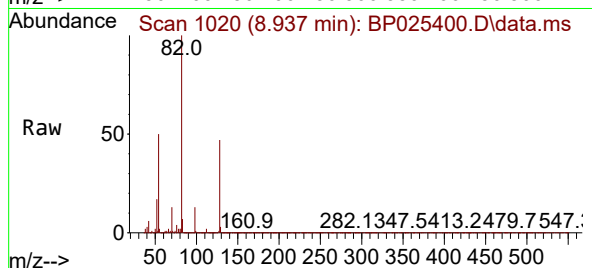
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

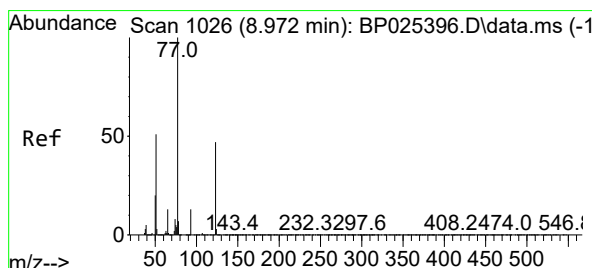
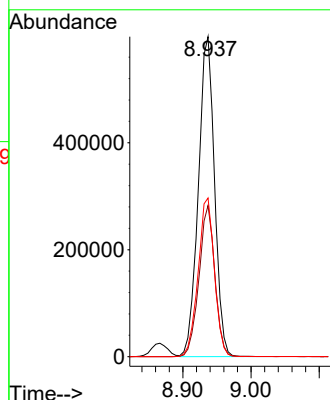
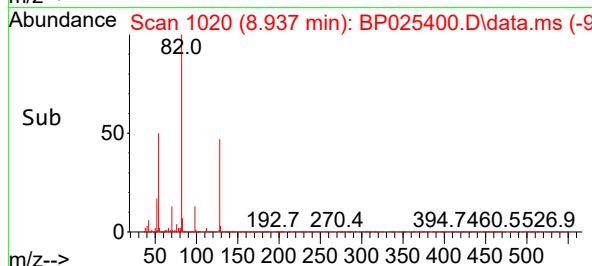


Tgt Ion:	82	Resp:	98444
Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	49.6	39.8	59.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#24

Nitrobenzene

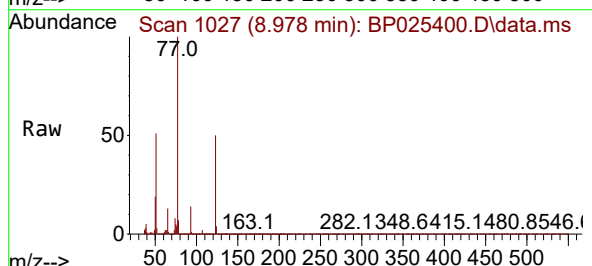
Concen: 37.313 ng

RT: 8.978 min Scan# 1027

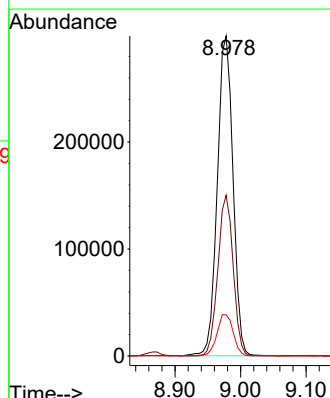
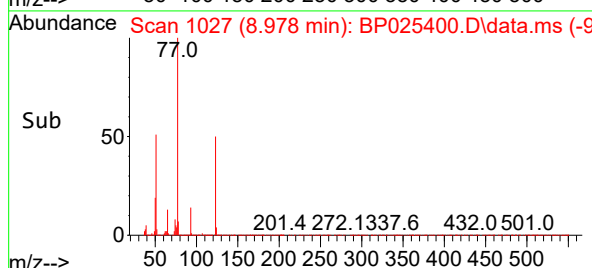
Delta R.T. 0.006 min

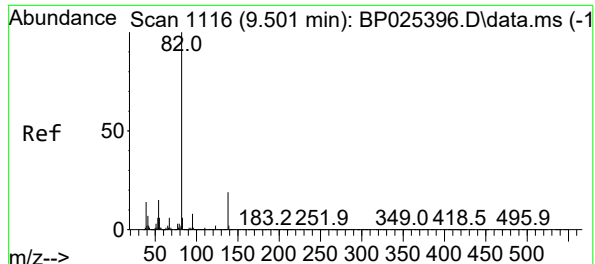
Lab File: BP025400.D

Acq: 14 Aug 2025 18:05



Tgt Ion:	77	Resp:	494466
Ion	Ratio	Lower	Upper
77	100		
123	50.3	38.6	58.0
65	12.9	10.6	15.8





#25

Isophorone

Concen: 37.855 ng

RT: 9.501 min Scan# 1116

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

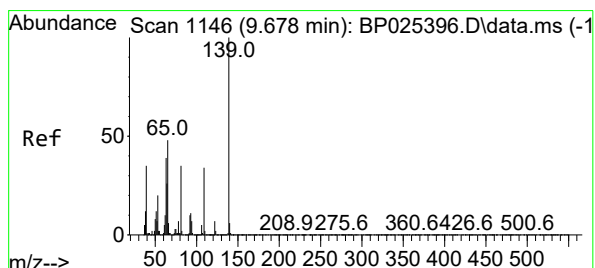
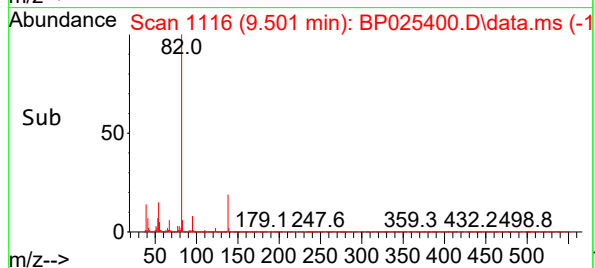
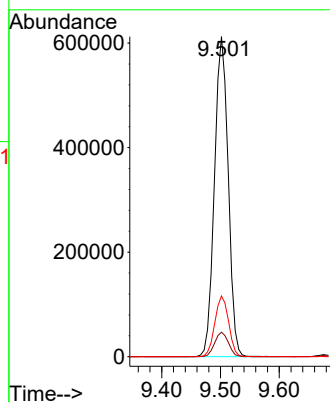
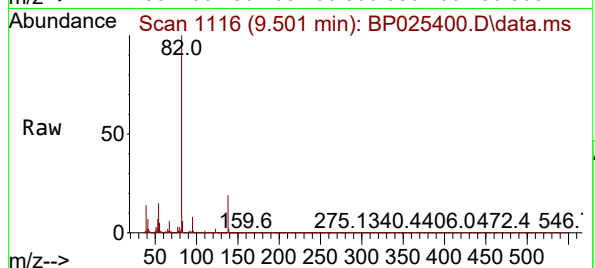
ICVBP081425

Tgt Ion:	82	Resp:	993378
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.9	15.4	23.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#26

2-Nitrophenol

Concen: 38.722 ng

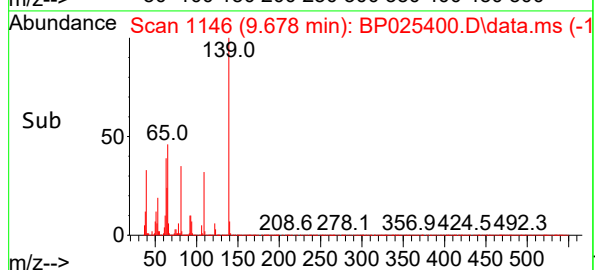
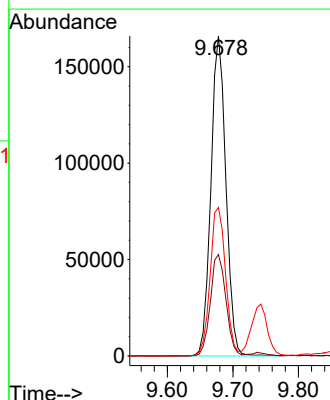
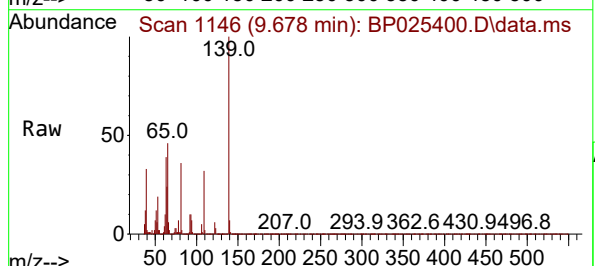
RT: 9.678 min Scan# 1146

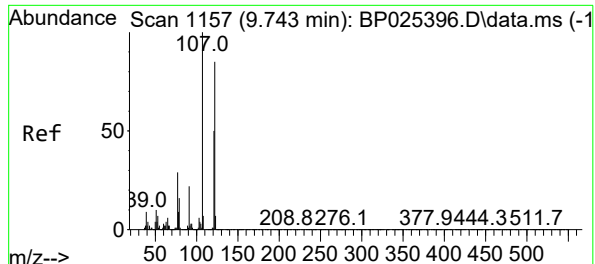
Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Tgt Ion:	139	Resp:	263348
Ion	Ratio	Lower	Upper
139	100		
109	31.7	26.9	40.3
65	46.4	38.3	57.5





#27

2,4-Dimethylphenol

Concen: 38.910 ng

RT: 9.743 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

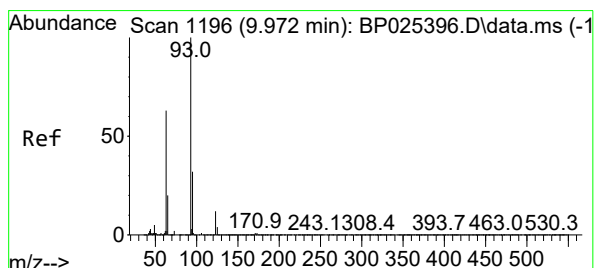
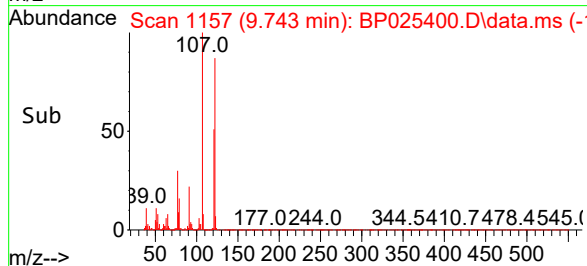
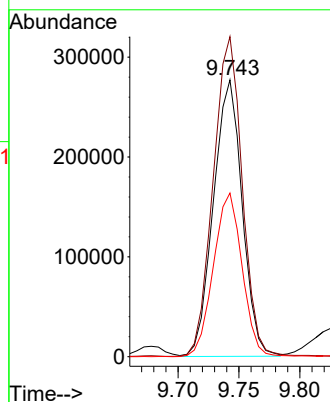
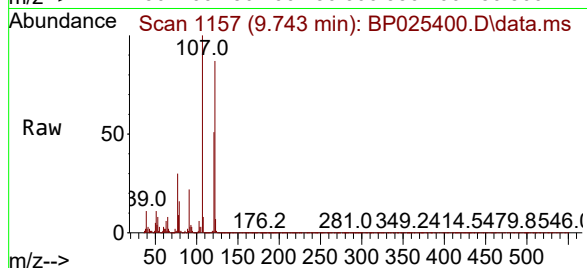
Tgt Ion:	122	Resp:	455078
Ion	Ratio	Lower	Upper
122	100		
107	115.6	93.7	140.5
121	59.1	46.6	69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 37.816 ng

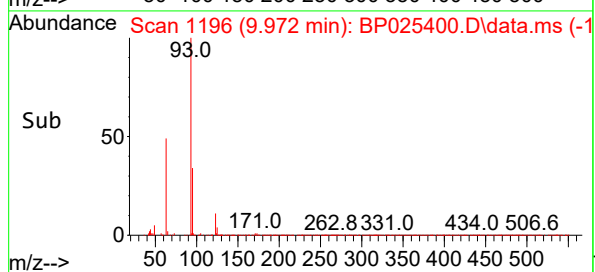
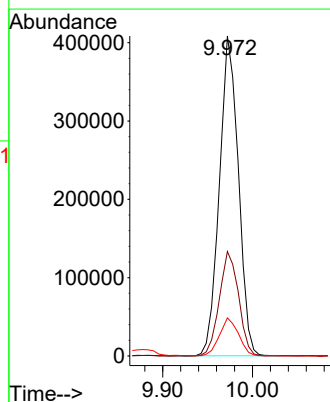
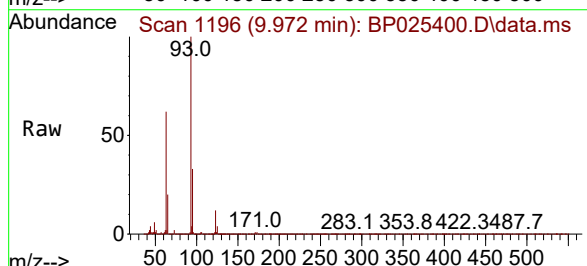
RT: 9.972 min Scan# 1196

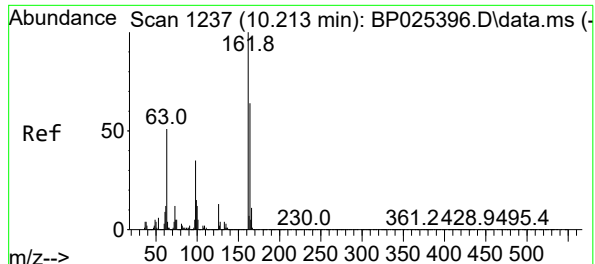
Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Tgt Ion:	93	Resp:	599862
Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	11.9	9.4	14.0





#29

2,4-Dichlorophenol

Concen: 38.649 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

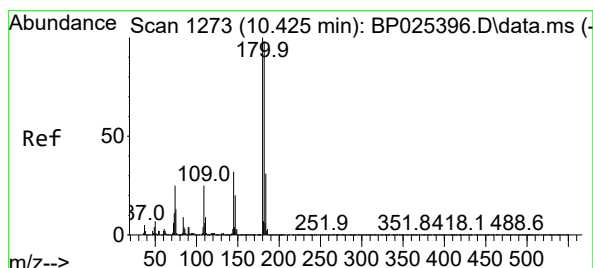
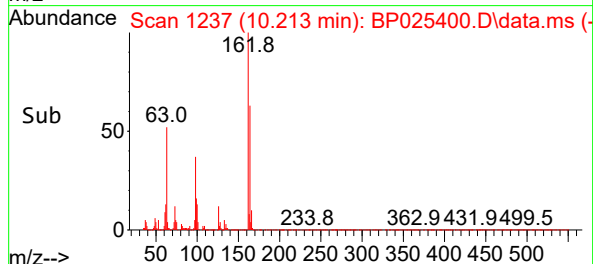
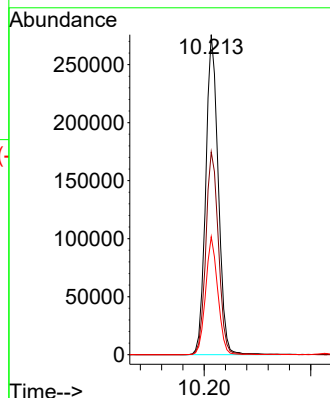
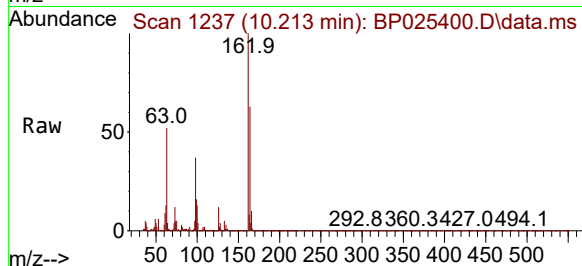
ICVBP081425

Tgt Ion:	162	Resp:	449034
Ion Ratio	Lower	Upper	
162	100		
164	63.3	44.4	84.4
98	36.9	14.9	54.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#30

1,2,4-Trichlorobenzene

Concen: 37.231 ng

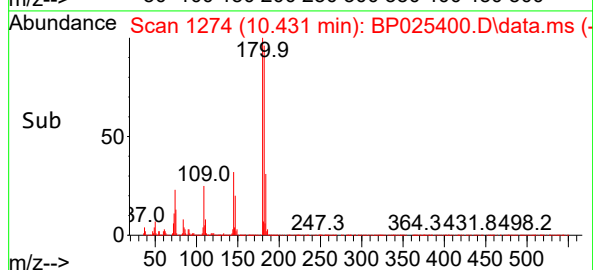
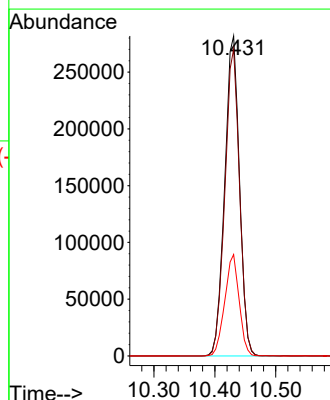
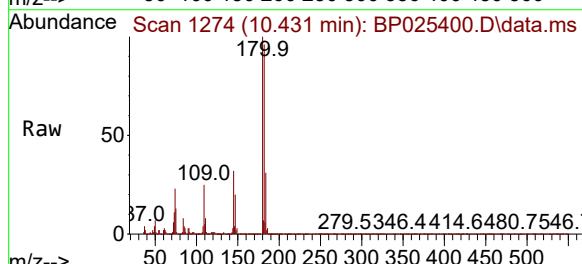
RT: 10.431 min Scan# 1274

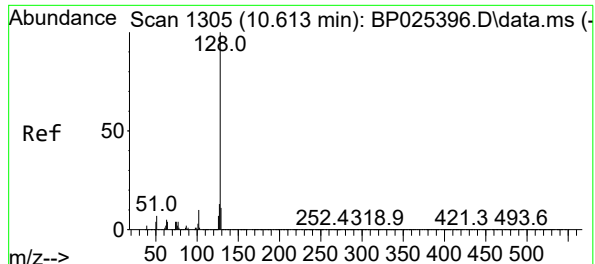
Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Tgt Ion:	180	Resp:	474183
Ion Ratio	Lower	Upper	
180	100		
182	95.9	78.0	117.0
145	31.7	25.9	38.9





#31

Naphthalene

Concen: 37.431 ng

RT: 10.613 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:128 Resp: 1459279

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

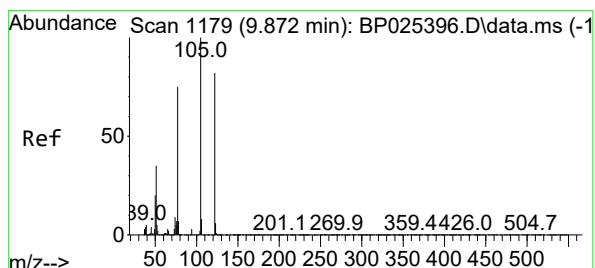
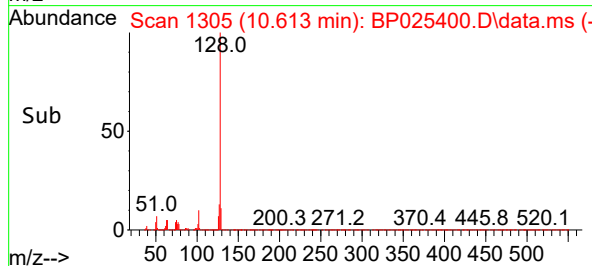
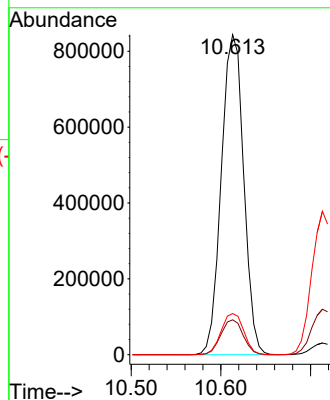
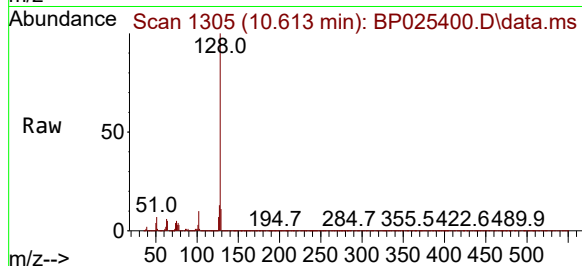
127 12.8 10.7 16.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#32

Benzoic acid

Concen: 38.242 ng

RT: 9.884 min Scan# 1181

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

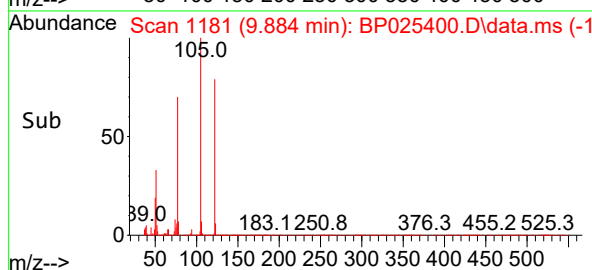
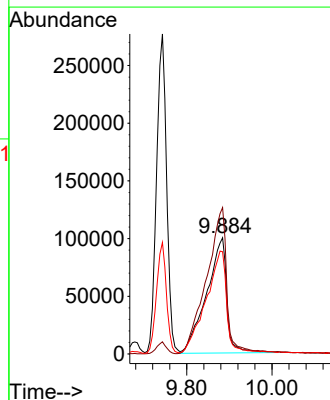
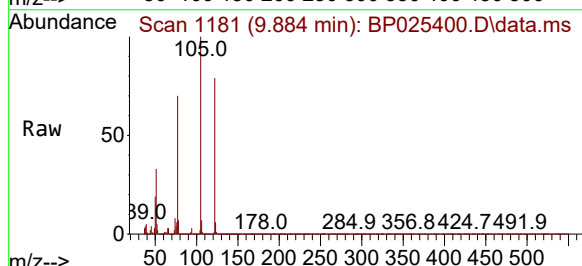
Tgt Ion:122 Resp: 330207

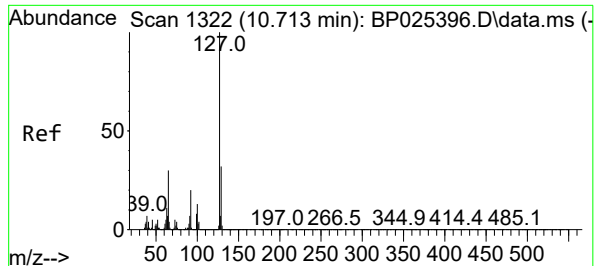
Ion Ratio Lower Upper

122 100

105 126.0 100.6 140.6

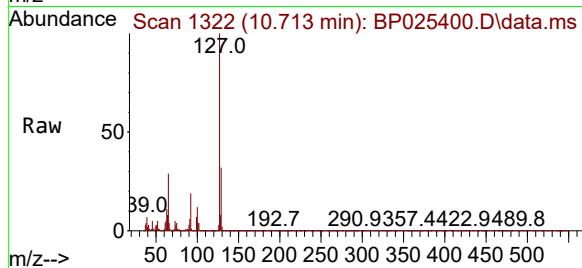
77 88.0 71.5 111.5





#33
4-Chloroaniline
Concen: 38.043 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

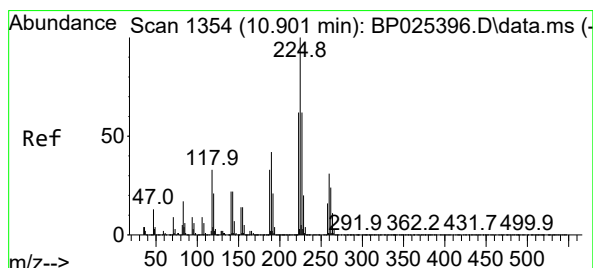
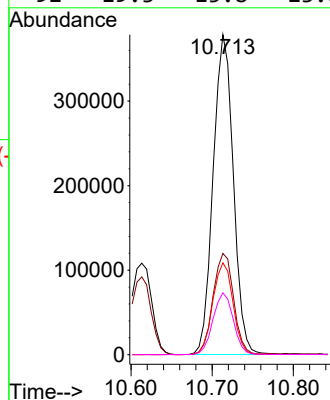
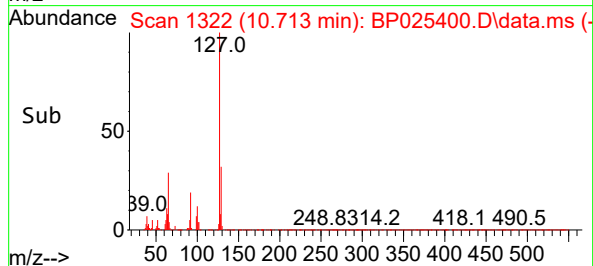
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



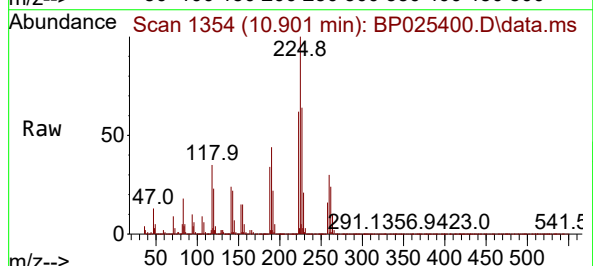
Tgt Ion:127 Resp: 65513
Ion Ratio Lower Upper
127 100
129 31.7 25.4 38.2
65 28.7 23.8 35.6
92 19.3 15.8 23.8

Manual Integrations
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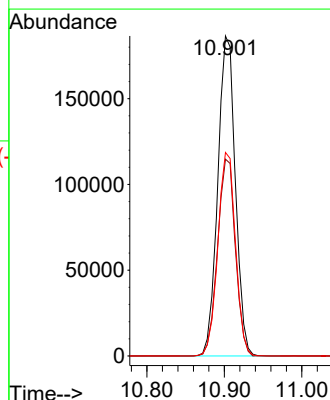
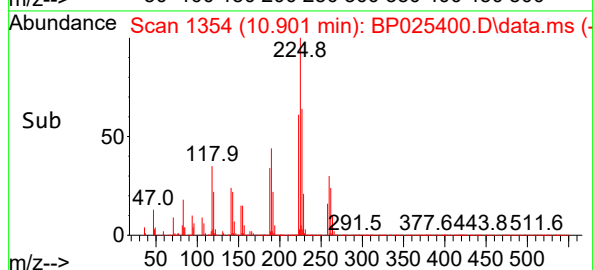
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

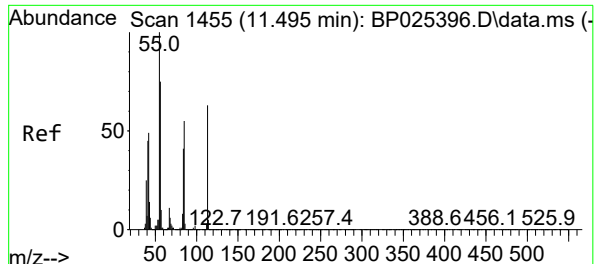


#34
Hexachlorobutadiene
Concen: 37.031 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



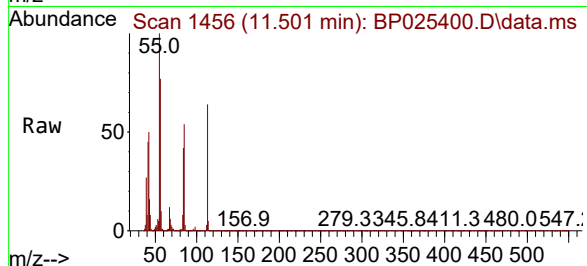
Tgt Ion:225 Resp: 293728
Ion Ratio Lower Upper
225 100
223 61.5 50.0 75.0
227 63.6 49.7 74.5





#35
Caprolactam
Concen: 38.310 ng
RT: 11.501 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

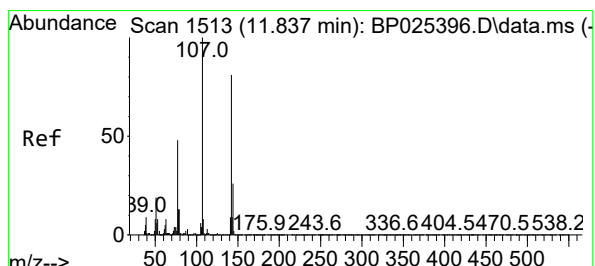
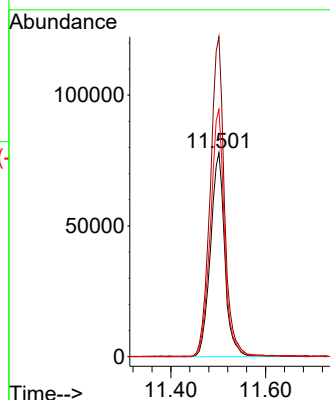
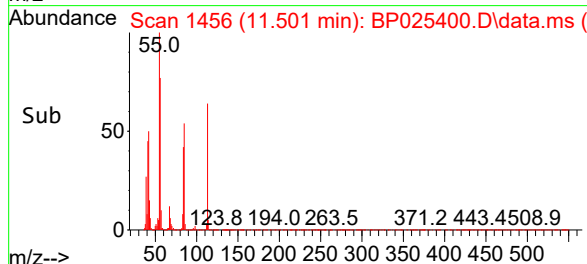
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



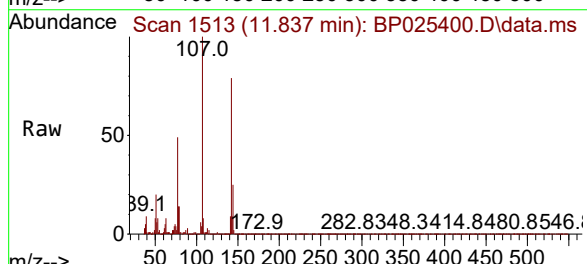
Tgt Ion:113 Resp: 16321
Ion Ratio Lower Upper
113 100
55 156.9 140.0 180.0
56 121.2 100.0 140.0

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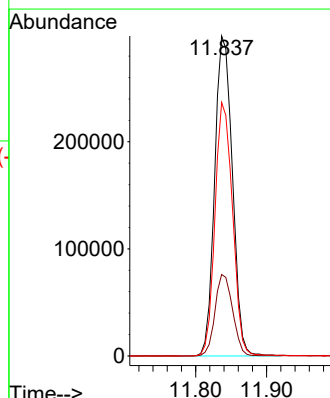
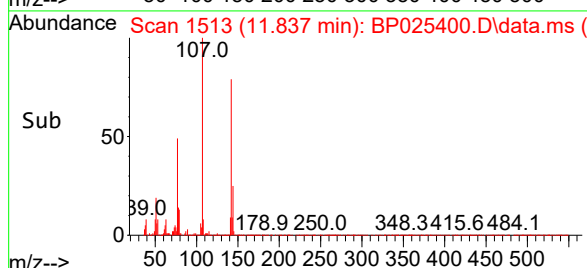
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

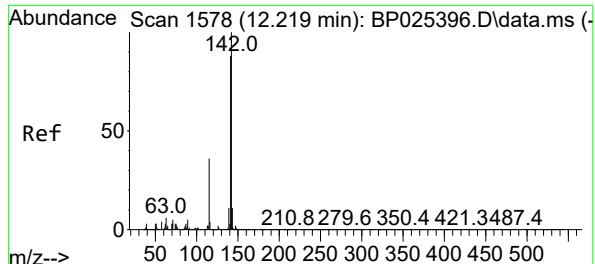


#36
4-Chloro-3-methylphenol
Concen: 38.789 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



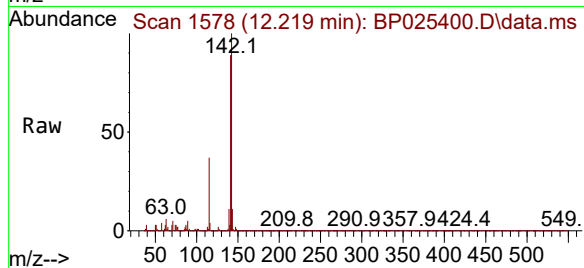
Tgt Ion:107 Resp: 517126
Ion Ratio Lower Upper
107 100
144 25.4 21.0 31.4
142 79.2 64.6 97.0





#37
2-Methylnaphthalene
Concen: 37.845 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

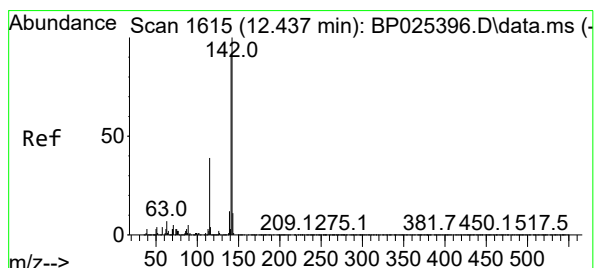
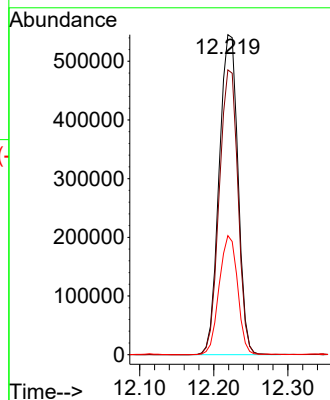
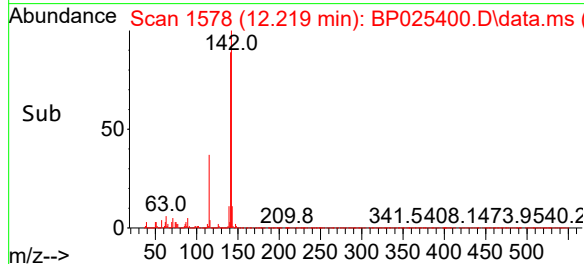
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



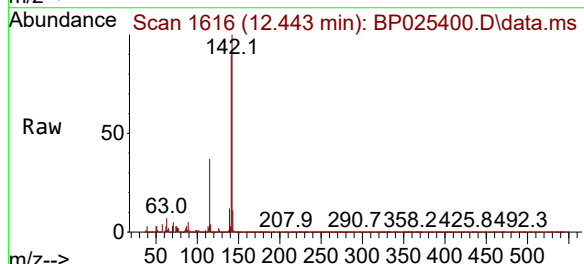
Tgt Ion:142 Resp: 960140
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 37.2 28.9 43.3

Manual Integrations
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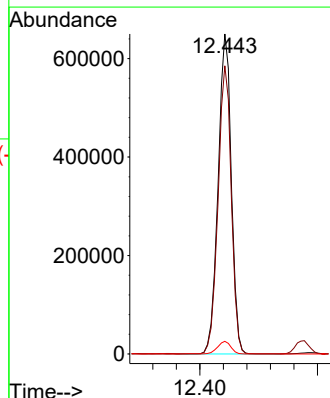
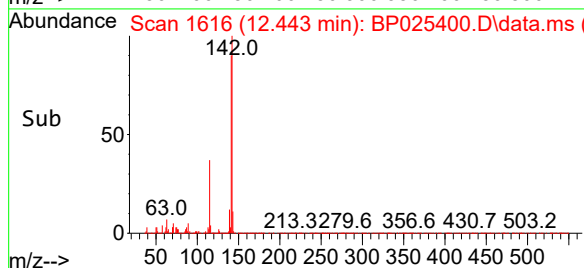
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

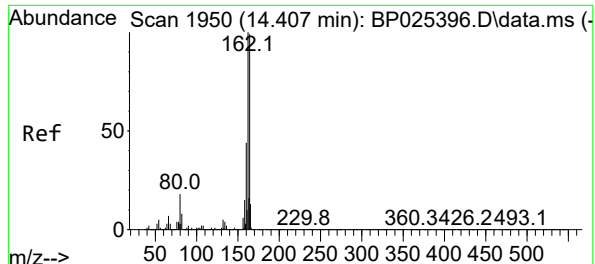


#38
1-Methylnaphthalene
Concen: 37.539 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:142 Resp: 1012844
Ion Ratio Lower Upper
142 100
141 90.0 73.1 109.7
116 3.9 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.407 min Scan# 1950

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

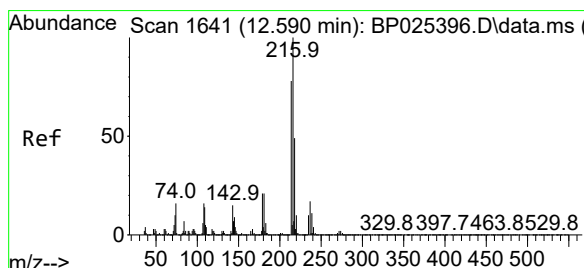
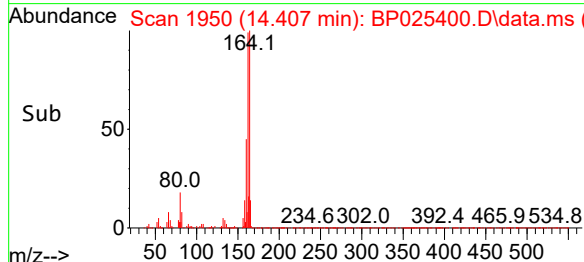
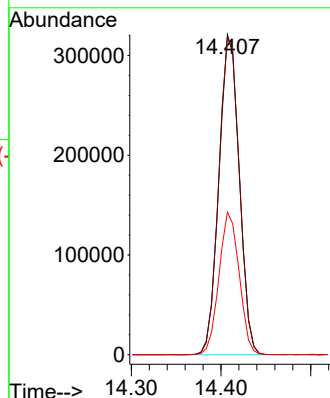
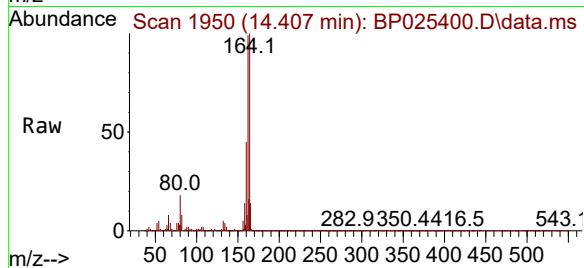
ICVBP081425

Tgt Ion:	164	Resp:	503239
Ion Ratio	Lower	Upper	
164	100		
162	99.1	81.0	121.6
160	44.5	35.4	53.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.895 ng

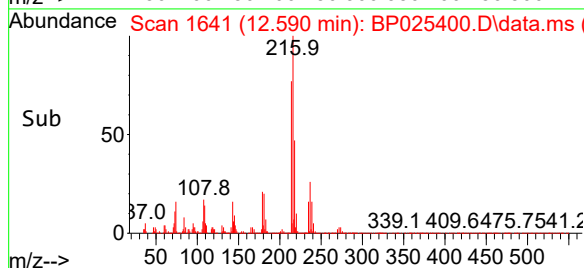
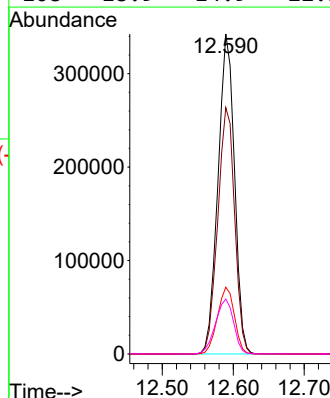
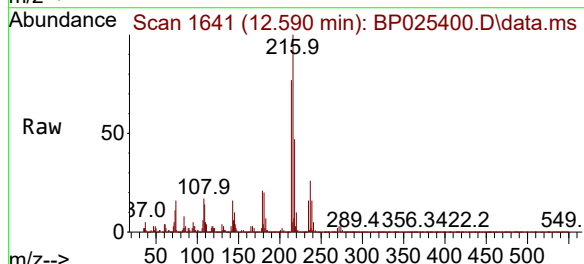
RT: 12.590 min Scan# 1641

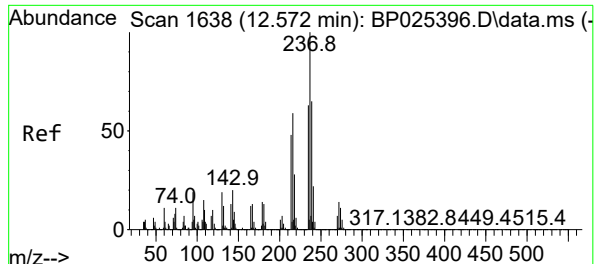
Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

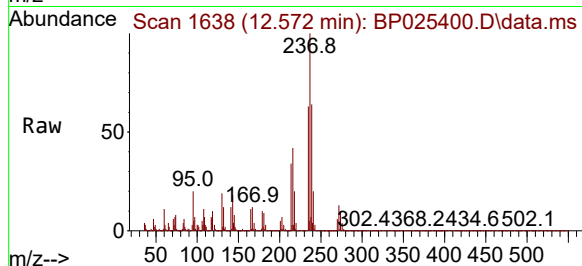
Tgt Ion:	216	Resp:	550777
Ion Ratio	Lower	Upper	
216	100		
214	78.8	63.0	94.4
179	21.4	17.1	25.7
108	18.9	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 40.074 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

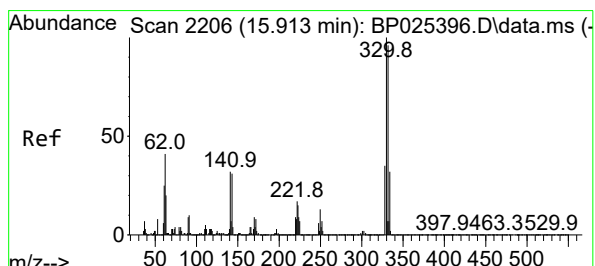
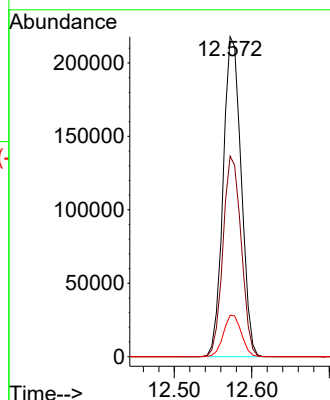
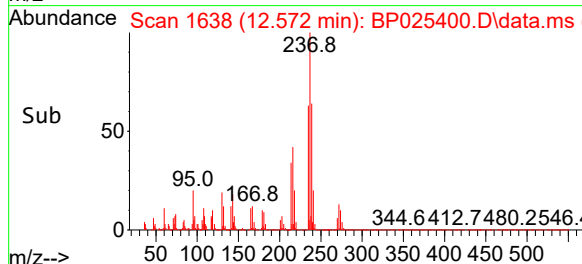
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



Tgt Ion: 237 Resp: 351819
Ion Ratio Lower Upper
237 100
235 62.7 42.7 82.7
272 13.0 0.0 34.0

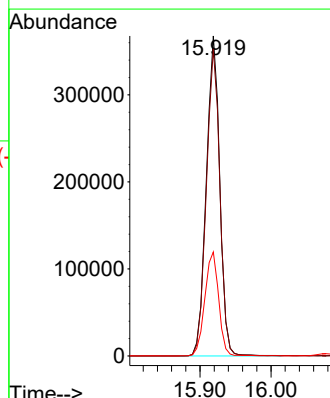
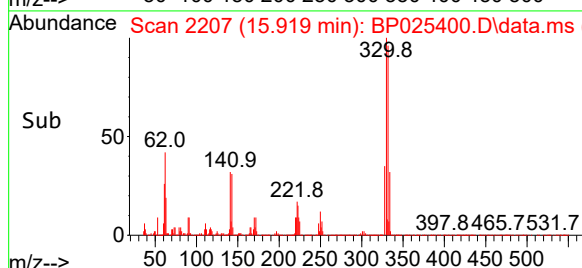
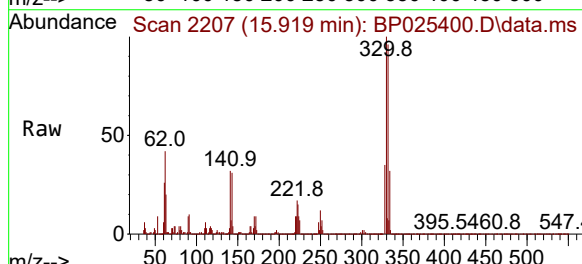
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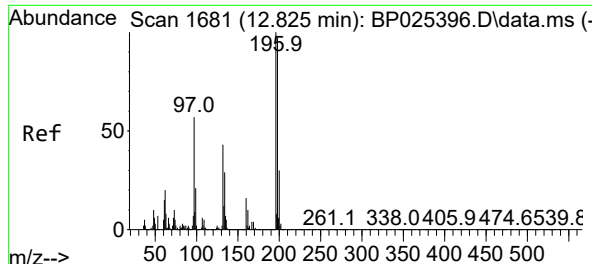
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#42
2,4,6-Tribromophenol
Concen: 71.582 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 330 Resp: 484870
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 33.4 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 38.972 ng

RT: 12.831 min Scan# 1682

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

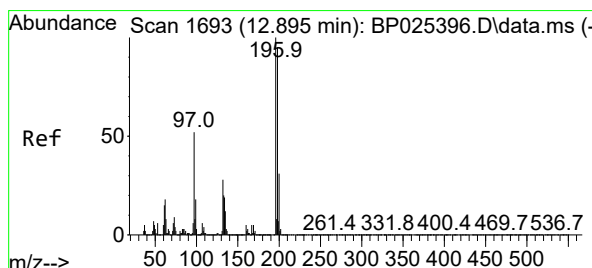
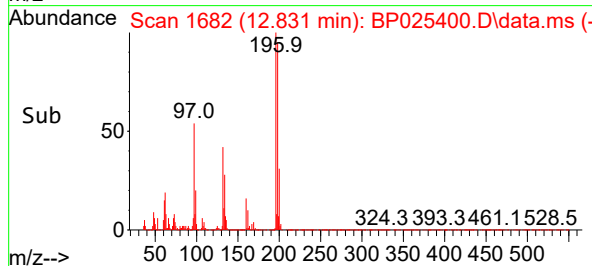
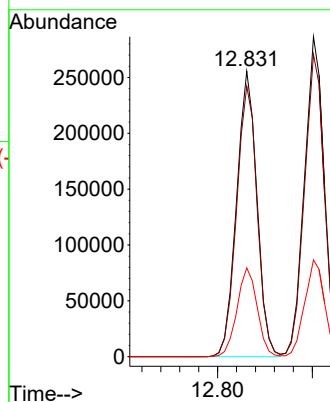
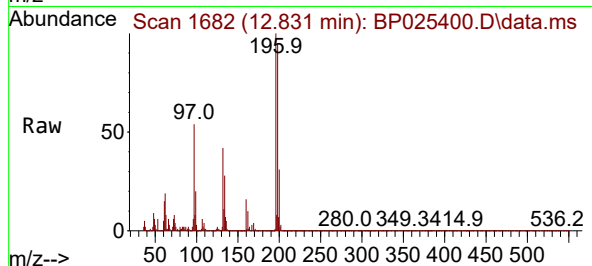
Tgt Ion:	196	Resp:	38239
Ion Ratio	Lower	Upper	
196	100		
198	94.8	77.2	115.8
200	31.1	23.9	35.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#44

2,4,5-Trichlorophenol

Concen: 39.108 ng

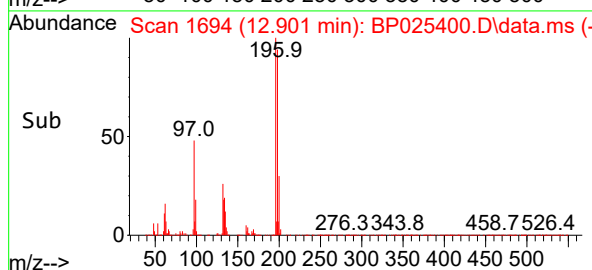
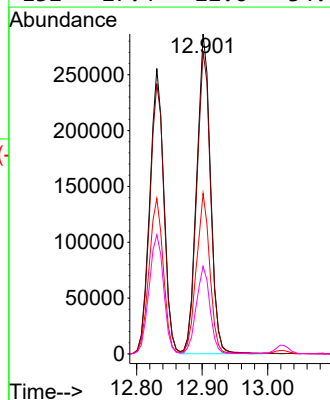
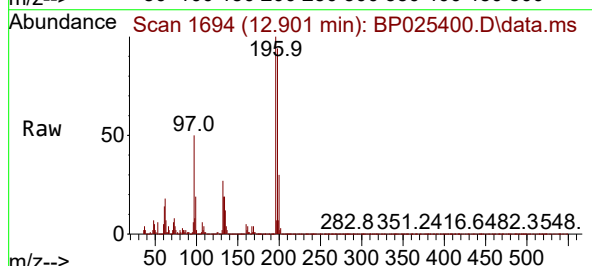
RT: 12.901 min Scan# 1694

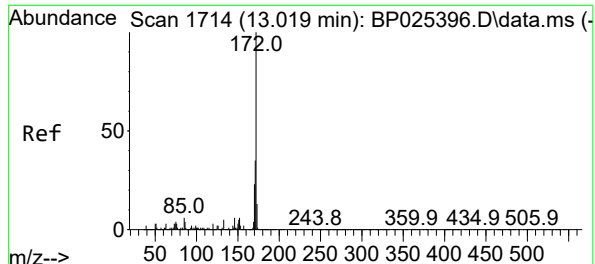
Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Tgt Ion:	196	Resp:	420565
Ion Ratio	Lower	Upper	
196	100		
198	94.5	76.2	114.2
97	50.2	41.2	61.8
132	27.4	22.6	34.0





#45

2-Fluorobiphenyl

Concen: 66.016 ng

RT: 13.025 min Scan# 1715

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:172 Resp: 2430828

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

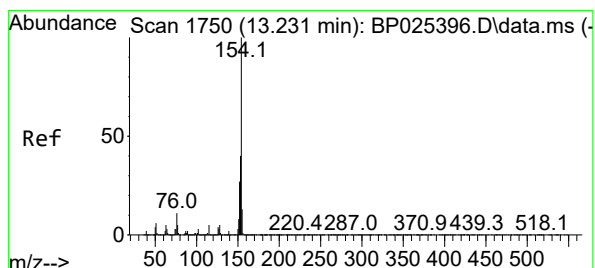
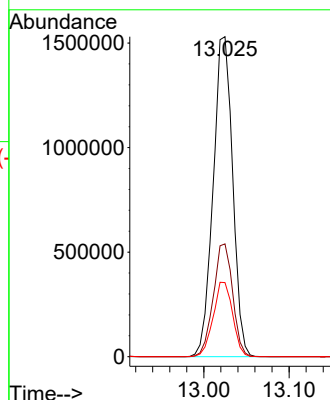
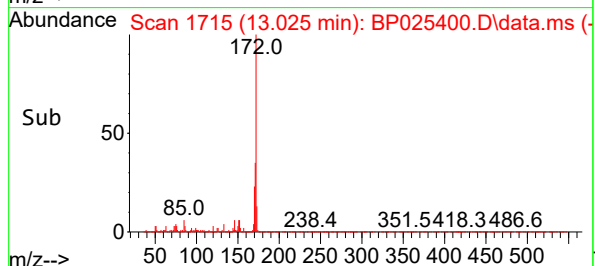
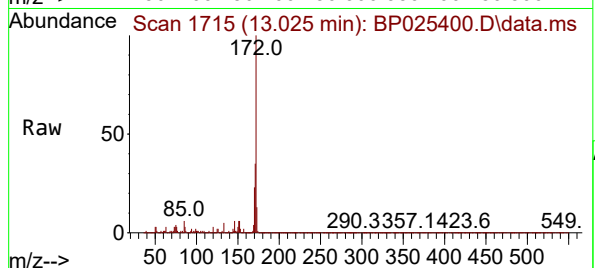
170 23.1 18.6 28.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#46

1,1'-Biphenyl

Concen: 37.672 ng

RT: 13.237 min Scan# 1751

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

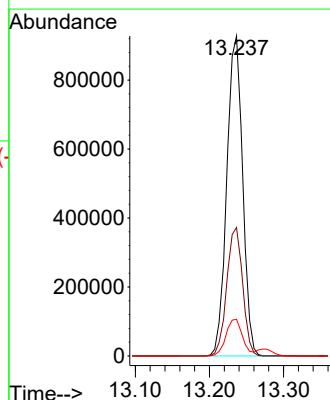
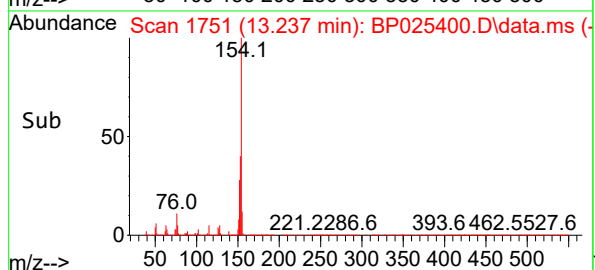
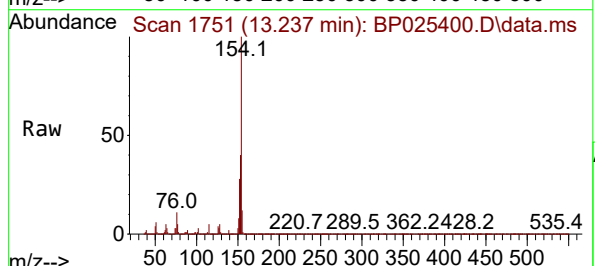
Tgt Ion:154 Resp: 1376834

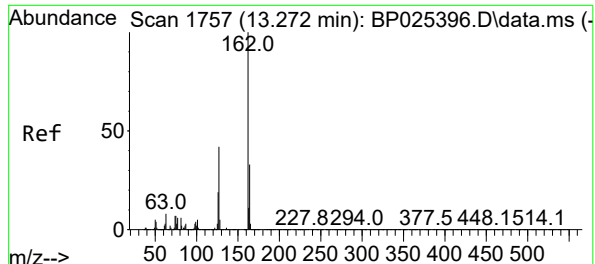
Ion Ratio Lower Upper

154 100

153 40.2 19.5 59.5

76 11.4 0.0 31.1





#47

2-Chloronaphthalene

Concen: 37.682 ng

RT: 13.272 min Scan# 1757

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:162 Resp: 107214

Ion Ratio Lower Upper

162 100

127 40.5 33.4 50.2

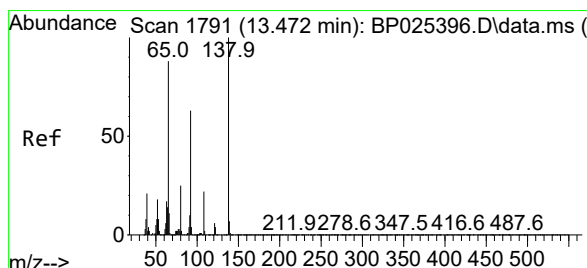
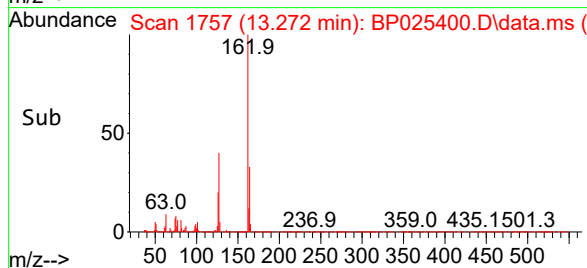
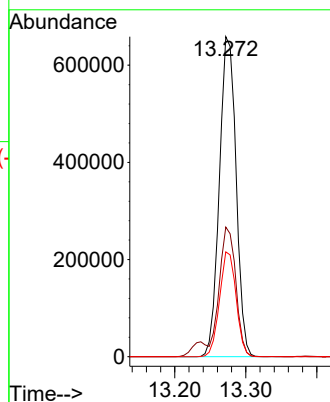
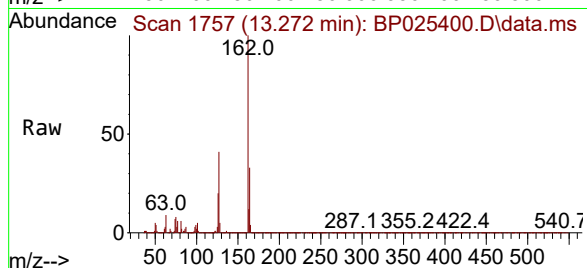
164 32.8 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#48

2-Nitroaniline

Concen: 39.081 ng

RT: 13.472 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

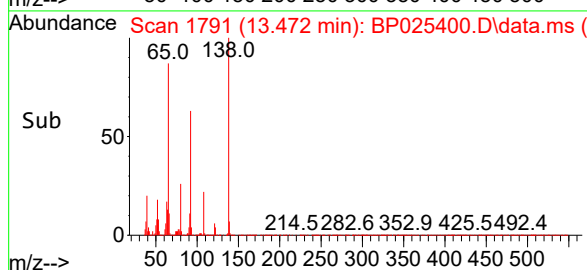
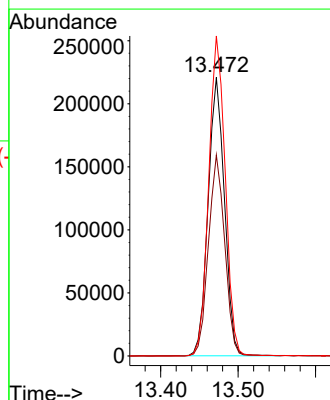
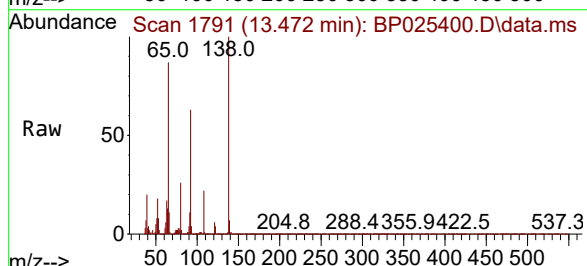
Tgt Ion: 65 Resp: 323995

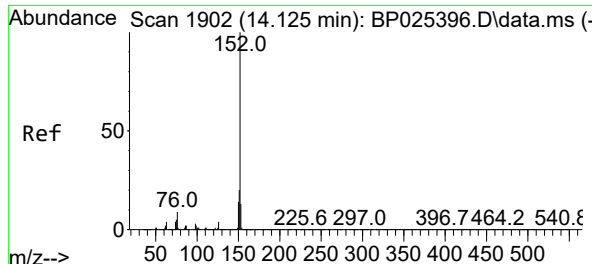
Ion Ratio Lower Upper

65 100

92 72.2 57.6 86.4

138 114.9 91.0 136.6





#49

Acenaphthylene

Concen: 37.720 ng

RT: 14.125 min Scan# 1902

Delta R.T. 0.000 min

Lab File: BP025400.D

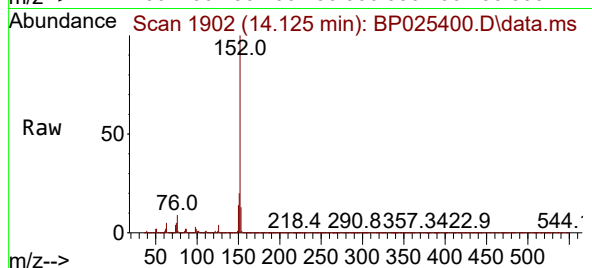
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425



Tgt Ion:152 Resp: 177589

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

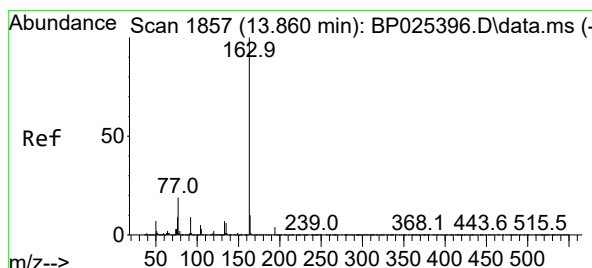
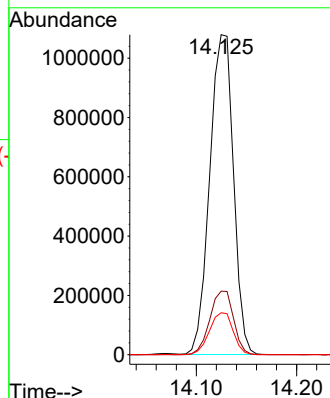
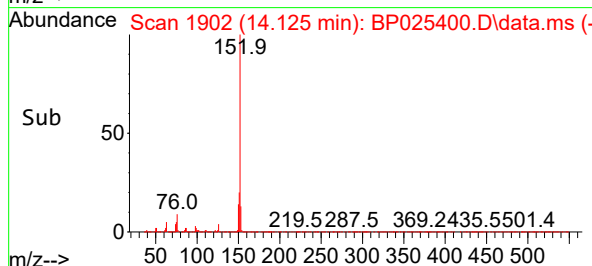
153 13.1 10.6 15.8

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#50

Dimethylphthalate

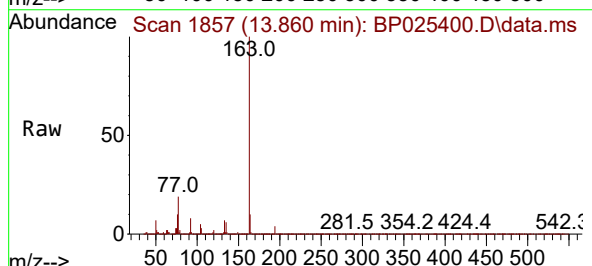
Concen: 38.170 ng

RT: 13.860 min Scan# 1857

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05



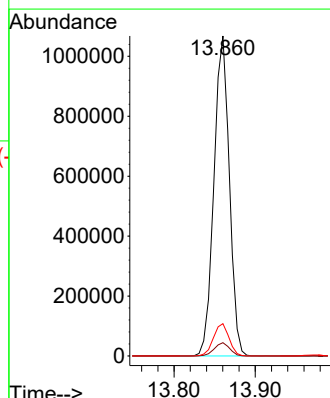
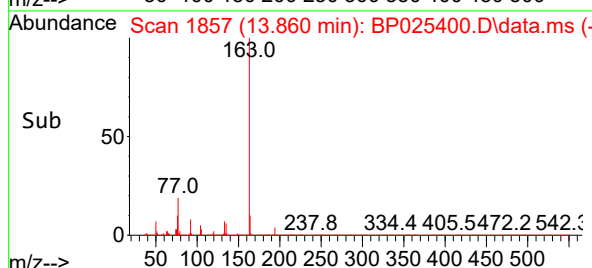
Tgt Ion:163 Resp: 1406620

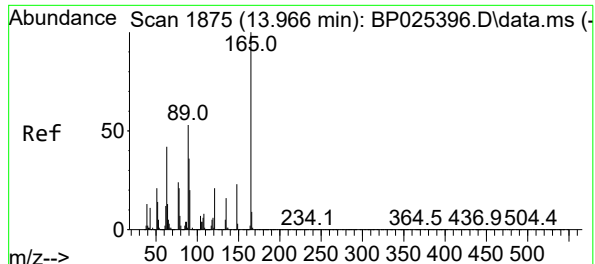
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

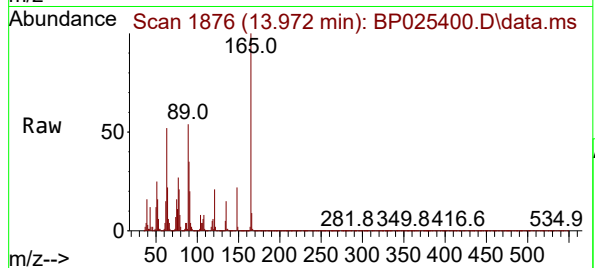
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 39.211 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

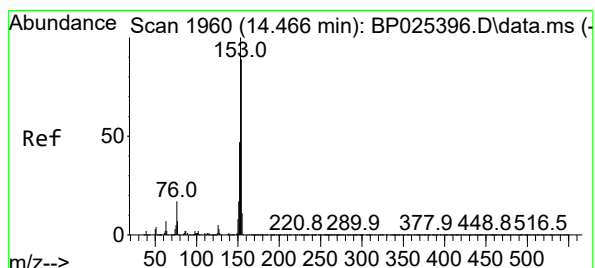
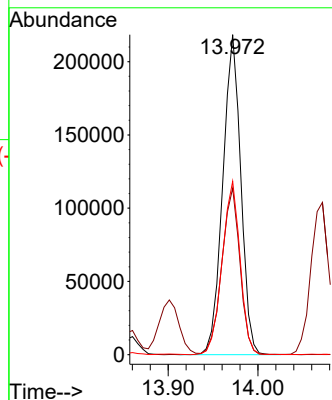
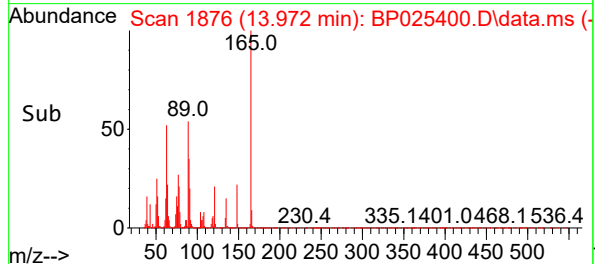
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



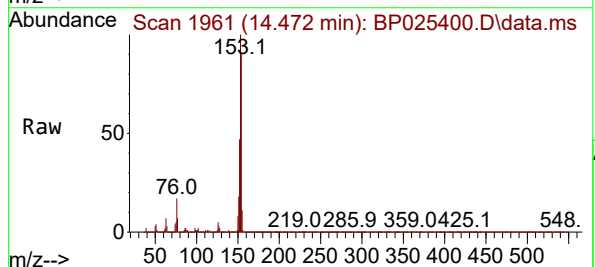
Tgt Ion:165 Resp: 304562
Ion Ratio Lower Upper
165 100
63 52.1 40.9 61.3
89 54.2 42.1 63.1

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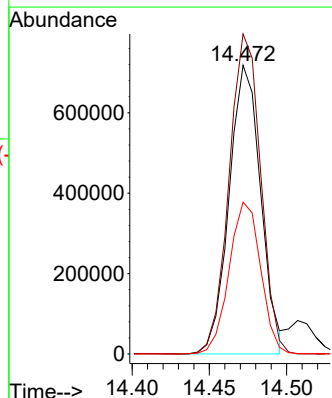
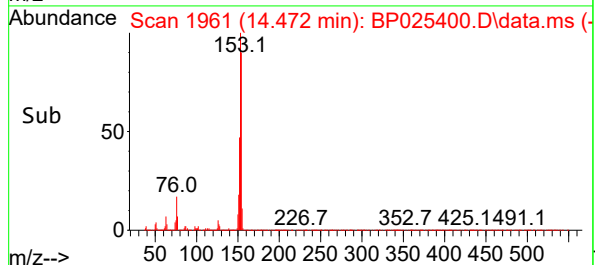
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

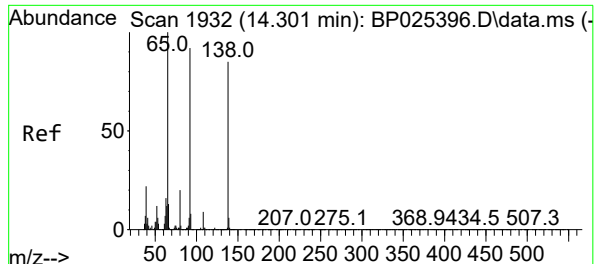


#52
Acenaphthene
Concen: 36.837 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



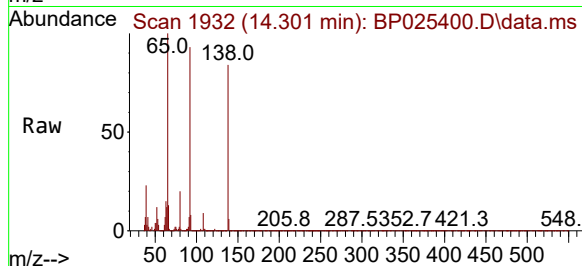
Tgt Ion:154 Resp: 1018011
Ion Ratio Lower Upper
154 100
153 110.9 90.2 135.2
152 52.6 42.1 63.1





#53
3-Nitroaniline
Concen: 40.027 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

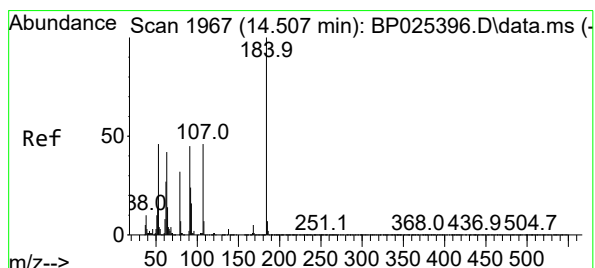
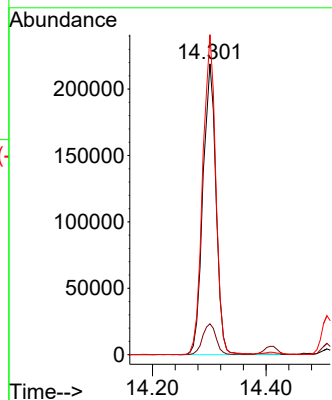
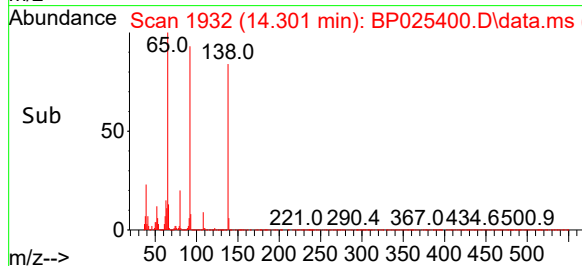
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



Tgt Ion:138 Resp: 34979
Ion Ratio Lower Upper
138 100
108 10.6 8.3 12.5
92 110.0 86.2 129.2

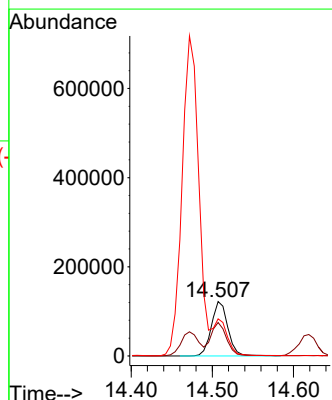
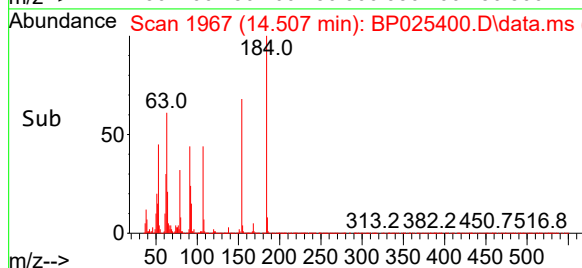
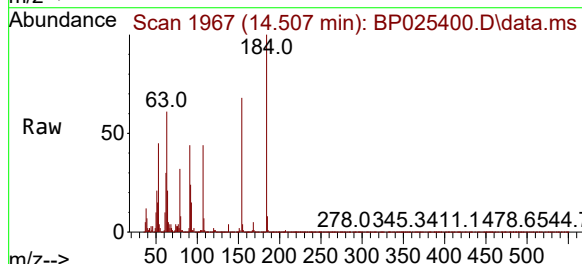
Manual Integrations
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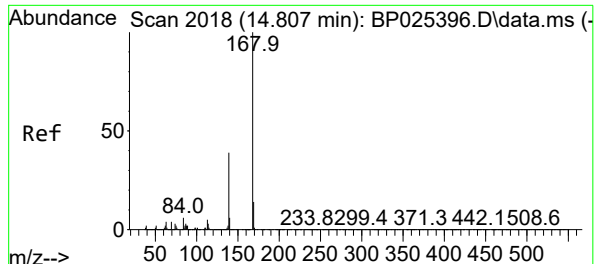
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#54
2,4-Dinitrophenol
Concen: 41.646 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:184 Resp: 172743
Ion Ratio Lower Upper
184 100
63 61.3 49.4 74.2
154 68.1 54.6 82.0





#55

Dibenzenofuran

Concen: 37.324 ng

RT: 14.813 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:168 Resp: 163074

Ion Ratio Lower Upper

168 100

139 39.8 31.5 47.3

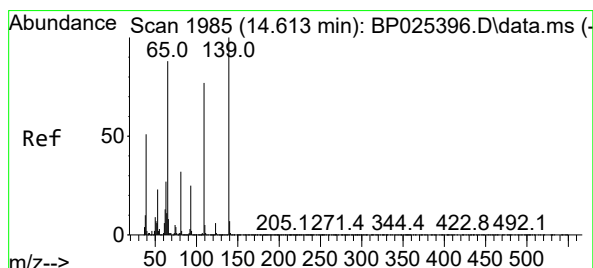
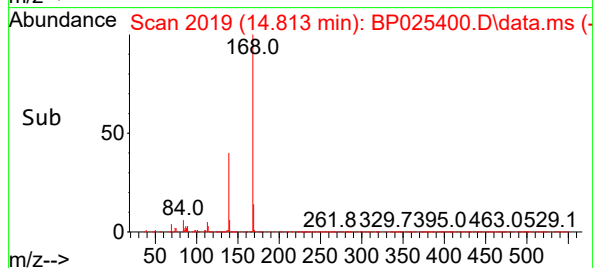
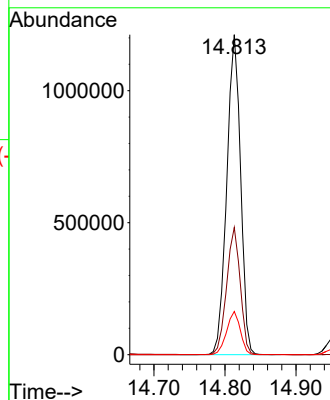
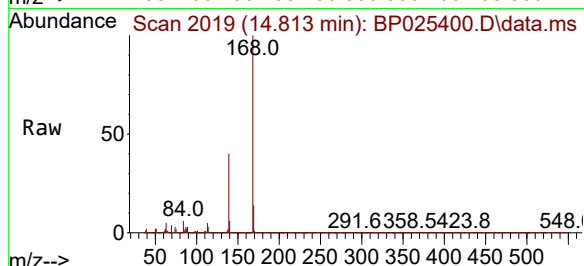
169 13.5 10.9 16.3

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#56

4-Nitrophenol

Concen: 39.630 ng

RT: 14.619 min Scan# 1986

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

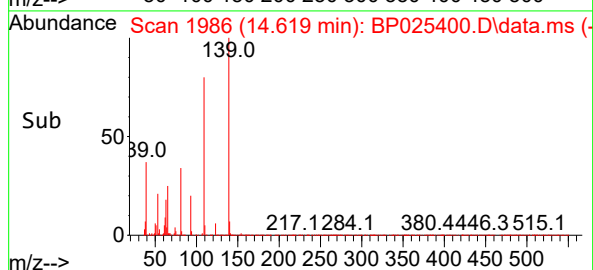
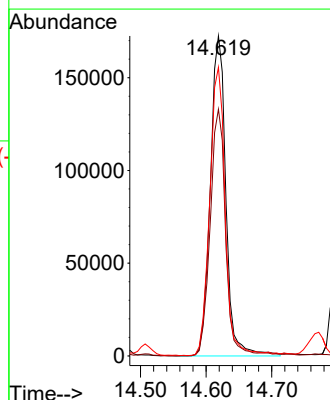
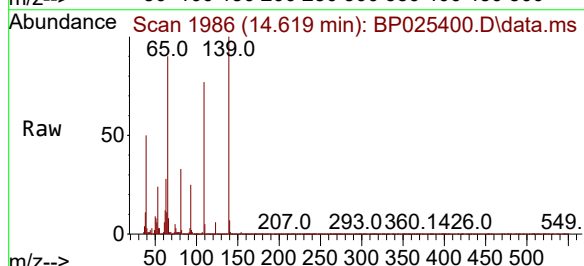
Tgt Ion:139 Resp: 284585

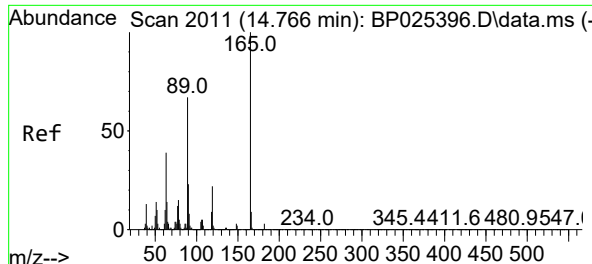
Ion Ratio Lower Upper

139 100

109 77.1 56.6 96.6

65 90.2 68.2 108.2





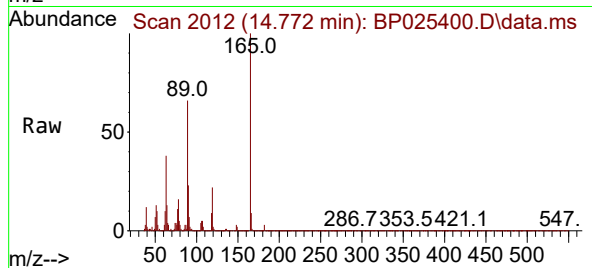
#57
2,4-Dinitrotoluene
Concen: 40.439 ng
RT: 14.772 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

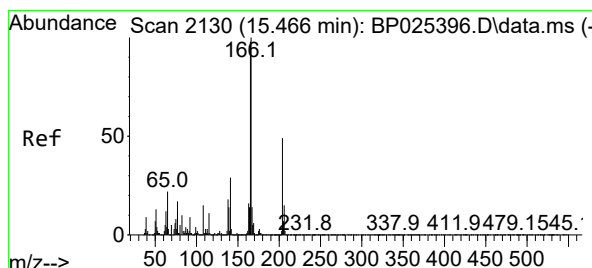
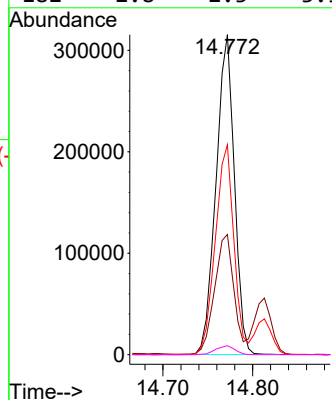
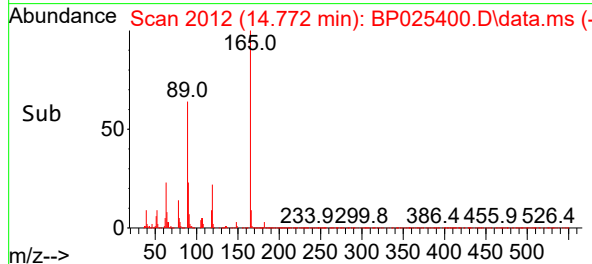
ICVBP081425



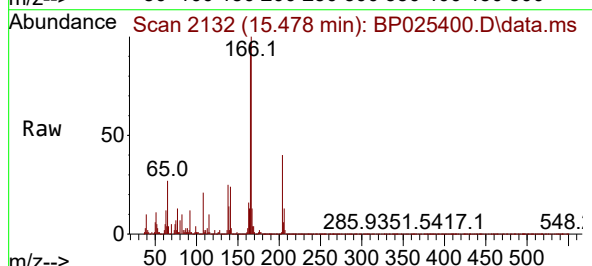
Tgt Ion:165 Resp: 44814
Ion Ratio Lower Upper
165 100
63 37.5 31.4 47.2
89 65.6 53.3 79.9
182 2.8 2.3 3.5

Manual Integrations
APPROVED

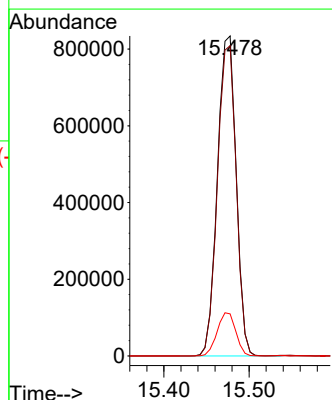
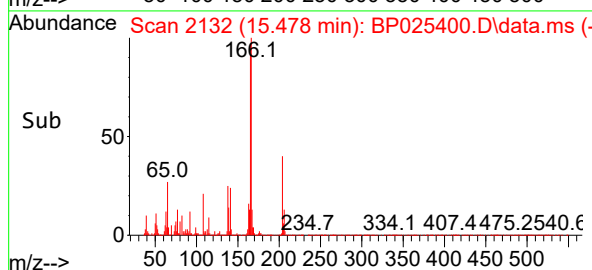
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

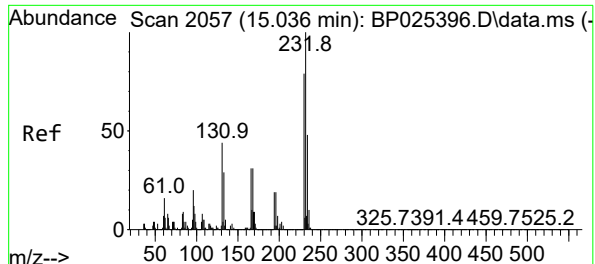


#58
Fluorene
Concen: 36.992 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:166 Resp: 1275341
Ion Ratio Lower Upper
166 100
165 97.0 78.8 118.2
167 13.2 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 39.147 ng

RT: 15.036 min Scan# 2057

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:232 Resp: 37171

Ion Ratio Lower Upper

232 100

131 45.3 37.0 55.6

130 2.6 1.9 2.9

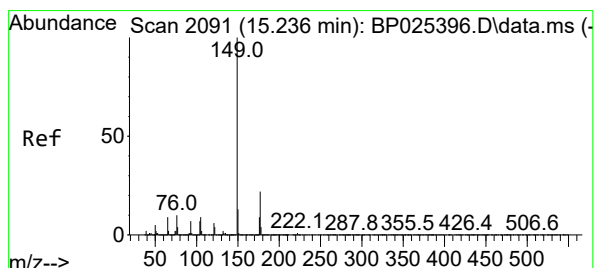
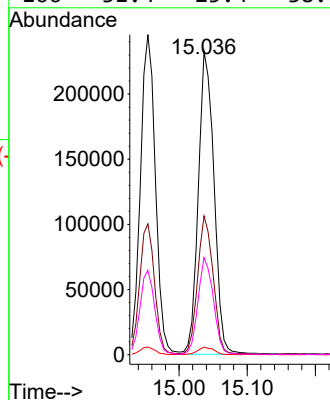
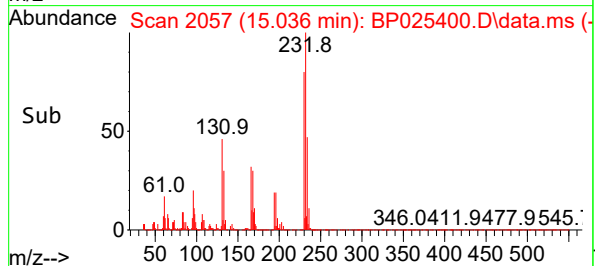
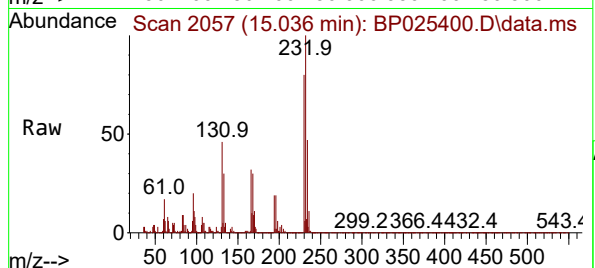
166 31.4 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#60

Diethylphthalate

Concen: 37.810 ng

RT: 15.242 min Scan# 2092

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

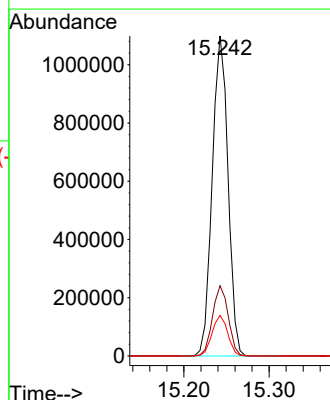
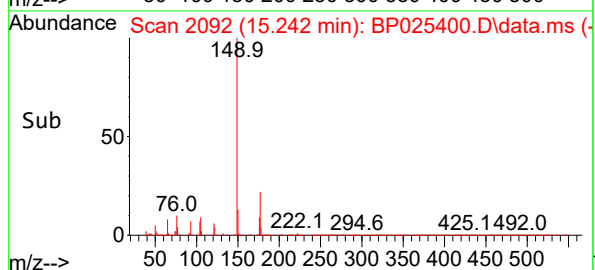
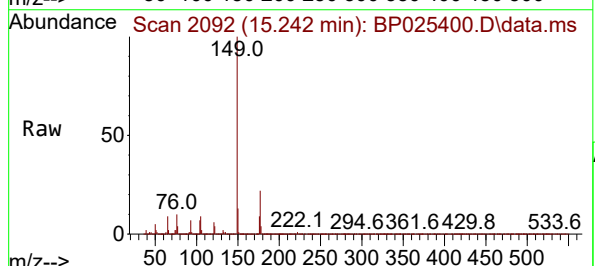
Tgt Ion:149 Resp: 1415787

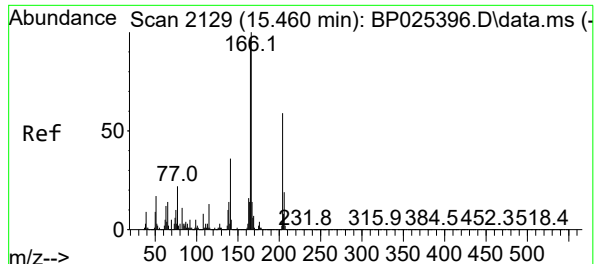
Ion Ratio Lower Upper

149 100

177 22.0 17.3 25.9

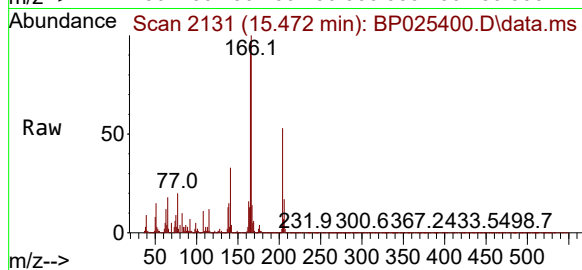
150 12.7 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 36.596 ng
RT: 15.472 min Scan# 2129
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

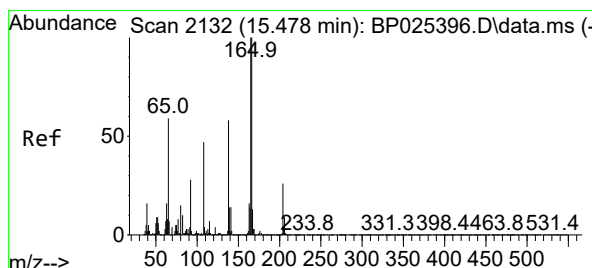
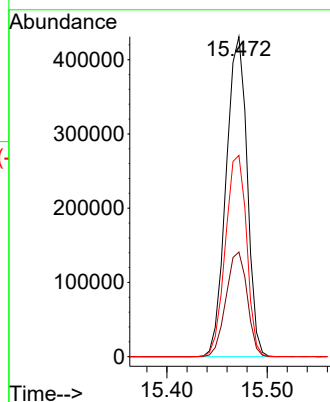
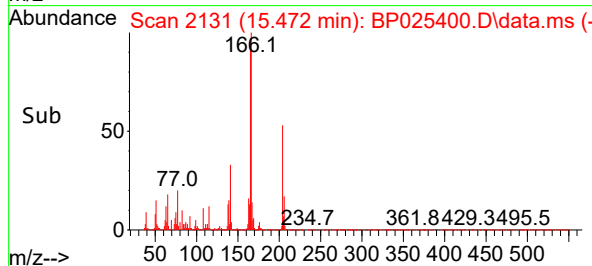
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



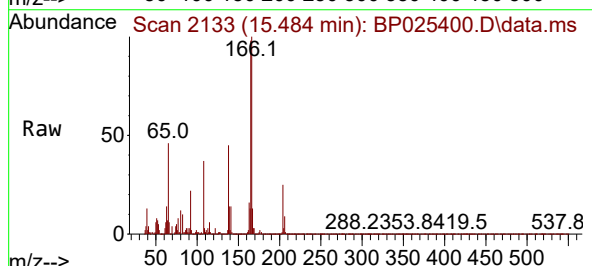
Tgt Ion:204 Resp: 62747
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.8
141 62.9 49.4 74.2

Manual Integrations
APPROVED

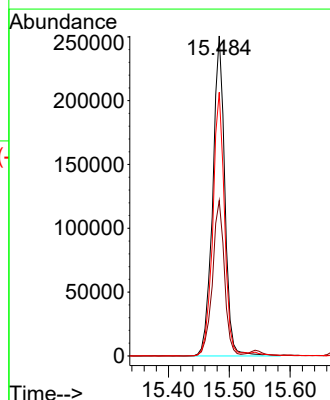
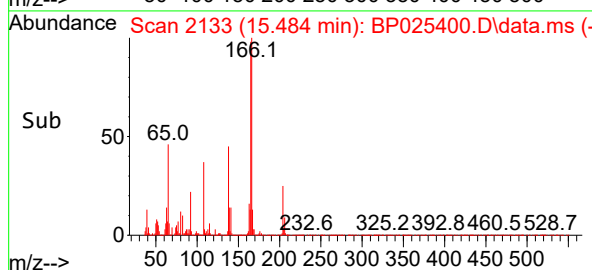
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

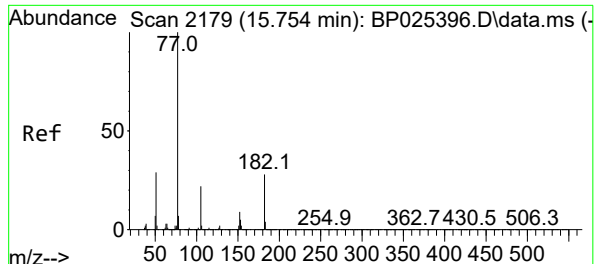


#62
4-Nitroaniline
Concen: 38.717 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



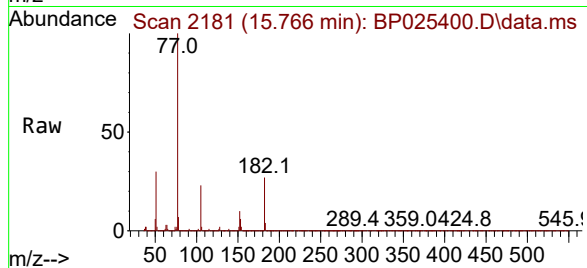
Tgt Ion:138 Resp: 346865
Ion Ratio Lower Upper
138 100
92 48.5 29.1 69.1
108 82.4 61.5 101.5





#63
Azobenzene
Concen: 38.526 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

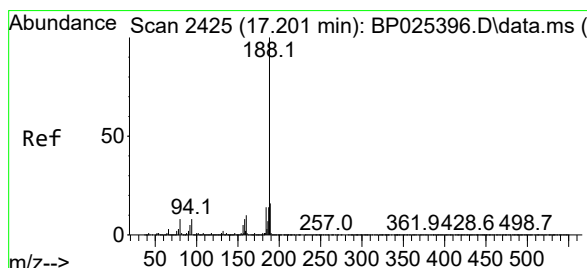
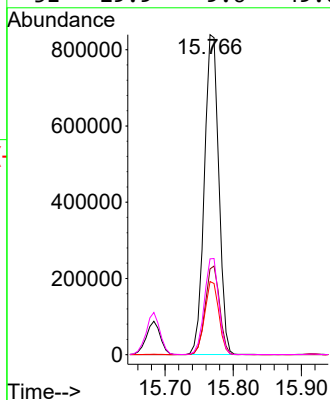
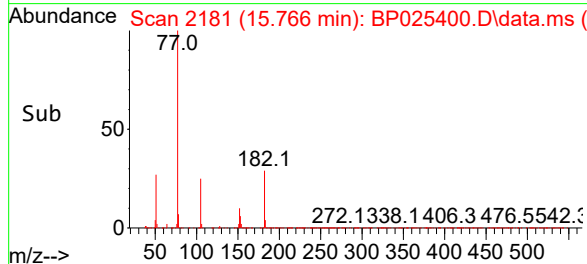
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



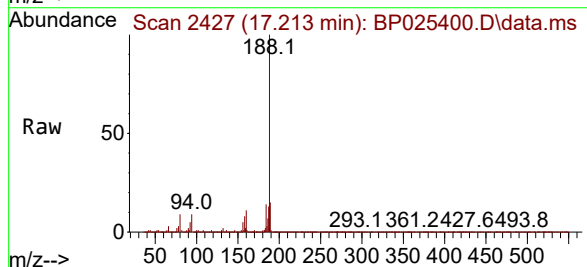
Tgt Ion: 77 Resp: 123524
Ion Ratio Lower Upper
77 100
182 26.8 7.5 47.5
105 22.8 2.1 42.1
51 29.9 9.6 49.6

Manual Integrations
APPROVED

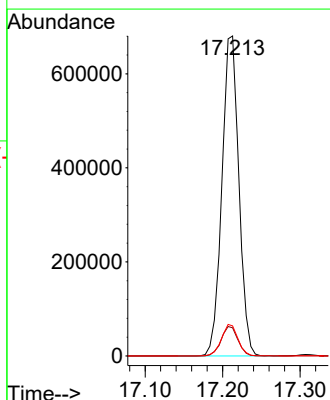
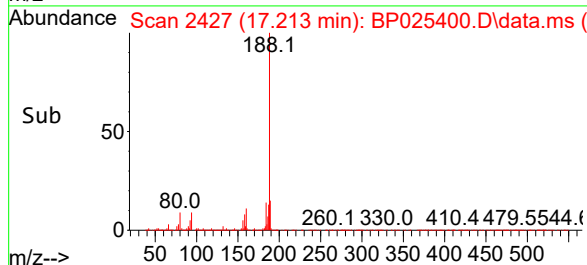
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

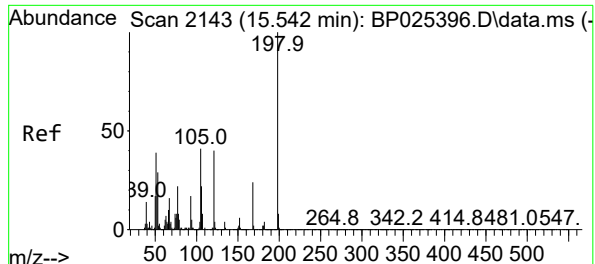


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:188 Resp: 1034378
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.4 6.7 10.1





#65

4,6-Dinitro-2-methylphenol

Concen: 39.721 ng

RT: 15.548 min Scan# 2143

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:198 Resp: 25611

Ion Ratio Lower Upper

198 100

51 40.6 19.6 59.6

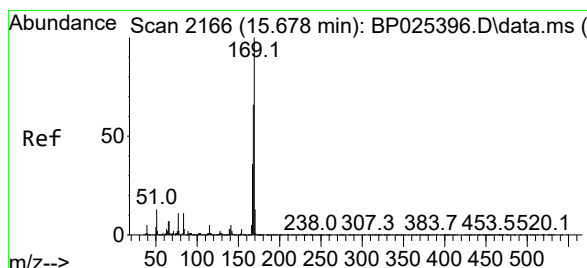
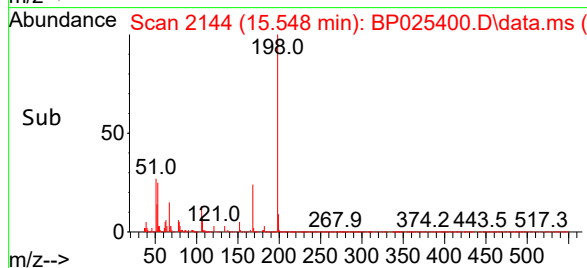
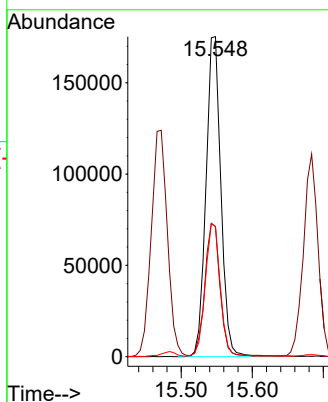
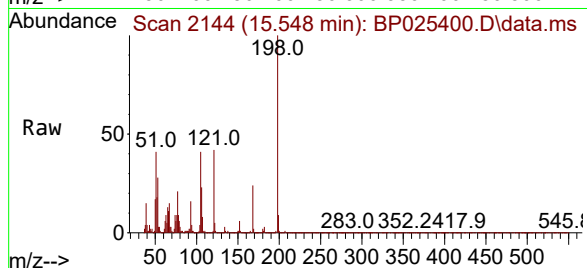
105 40.7 20.9 60.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#66

n-Nitrosodiphenylamine

Concen: 37.227 ng

RT: 15.684 min Scan# 2167

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

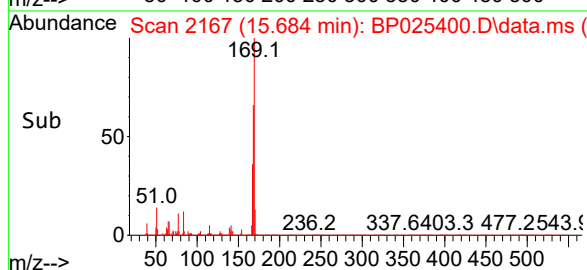
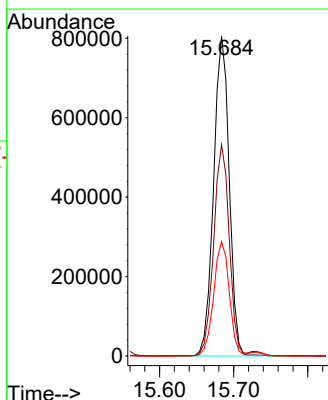
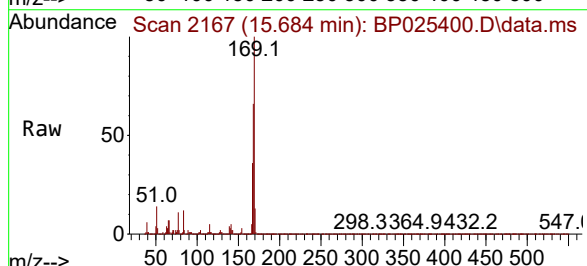
Tgt Ion:169 Resp: 1174244

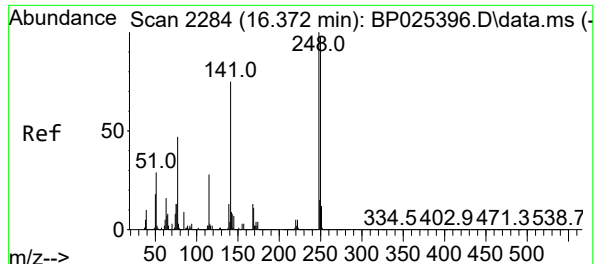
Ion Ratio Lower Upper

169 100

168 66.0 53.2 79.8

167 35.7 28.7 43.1





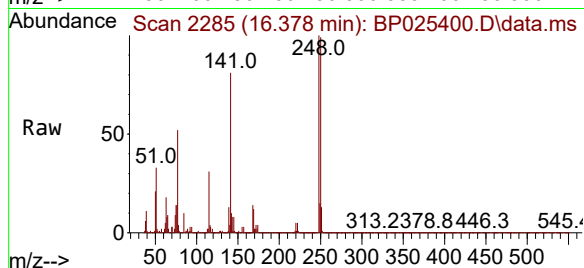
#67
4-Bromophenyl-phenylether
Concen: 37.101 ng
RT: 16.378 min Scan# 210
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

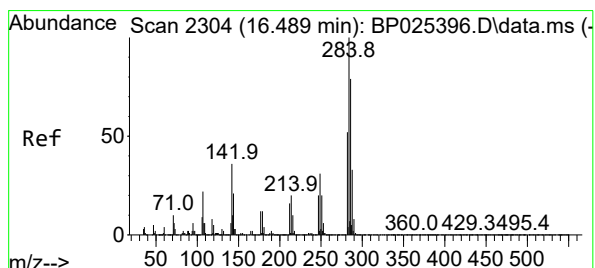
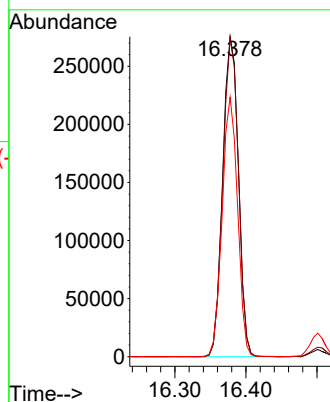
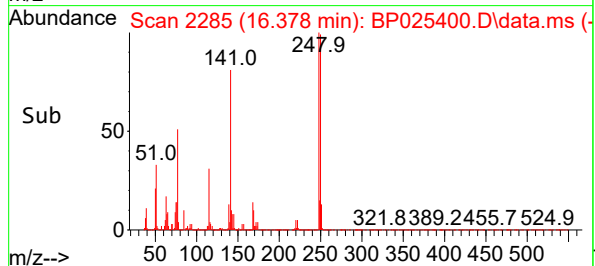
ICVBP081425



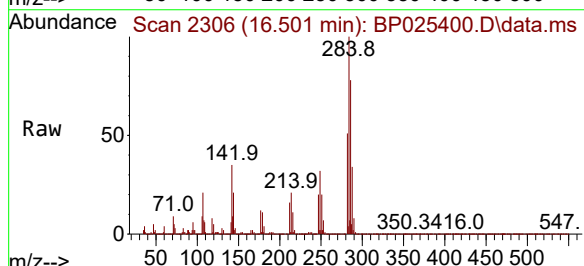
Tgt Ion:248 Resp: 422072
Ion Ratio Lower Upper
248 100
250 99.4 78.2 117.2
141 81.1 59.6 89.4

Manual Integrations
APPROVED

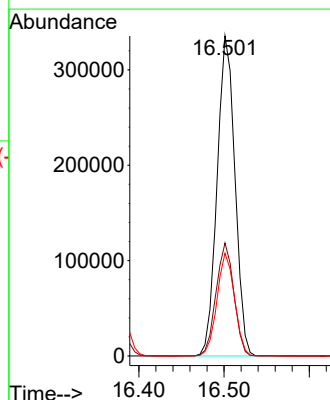
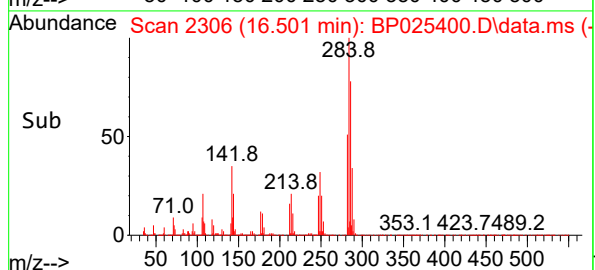
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

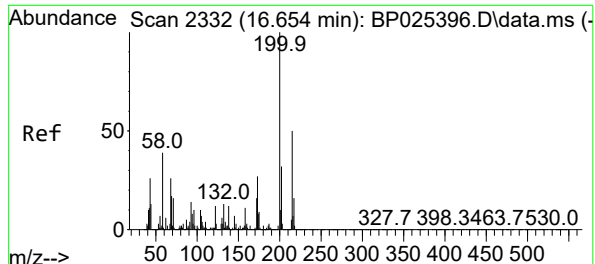


#68
Hexachlorobenzene
Concen: 37.062 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



Tgt Ion:284 Resp: 488749
Ion Ratio Lower Upper
284 100
142 35.3 29.1 43.7
249 32.1 25.0 37.4





#69
Atrazine
Concen: 38.057 ng
RT: 16.660 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

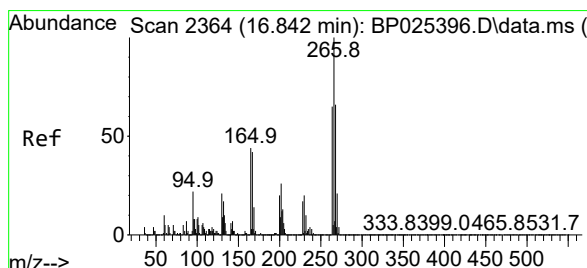
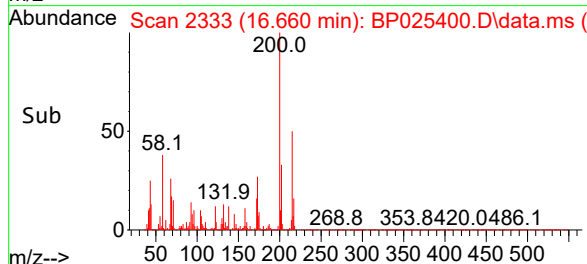
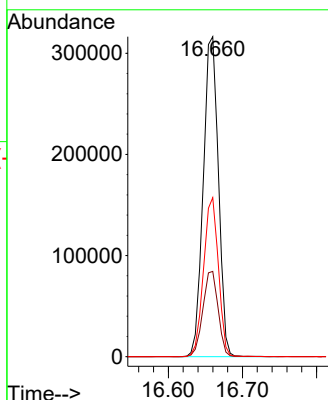
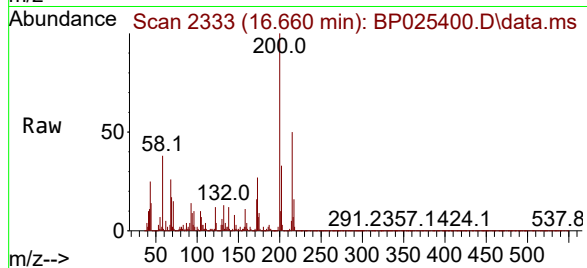
ClientSampleId :

ICVBP081425

Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.7	46.7
215	49.7	29.7	69.7

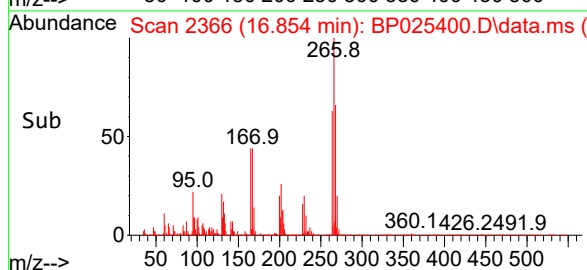
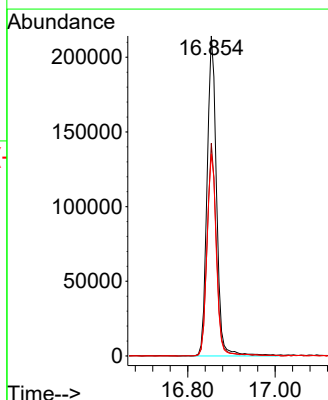
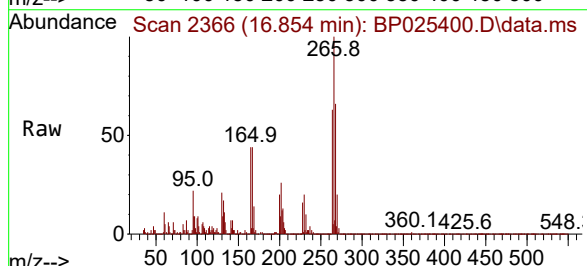
Manual Integrations
APPROVED

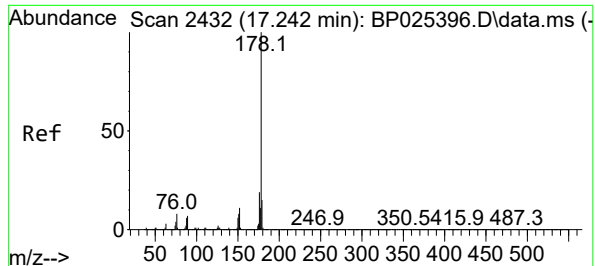
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#70
Pentachlorophenol
Concen: 38.733 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

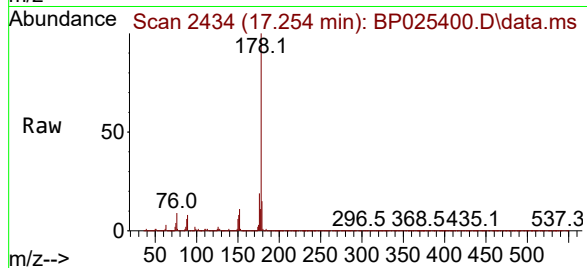
Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.4	52.6	79.0
264	63.2	52.0	78.0





#71
Phenanthrene
Concen: 36.445 ng
RT: 17.254 min Scan# 2432
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

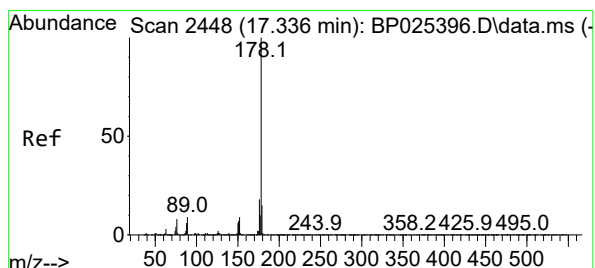
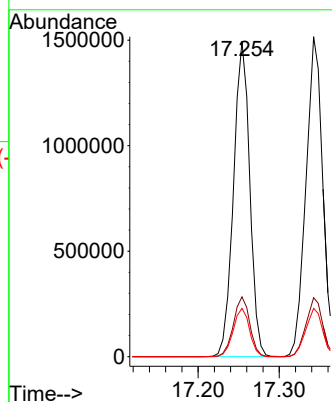
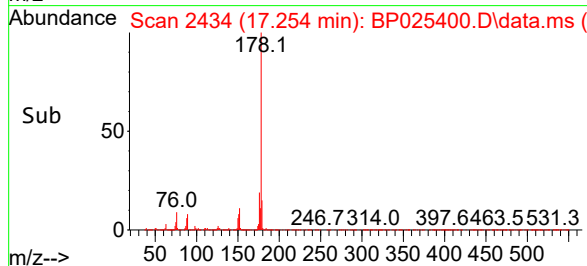
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



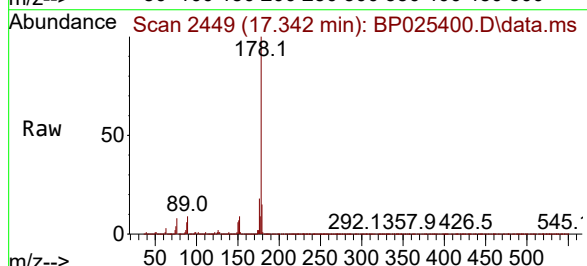
Tgt Ion:178 Resp: 207087
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.2 18.4

Manual Integrations
APPROVED

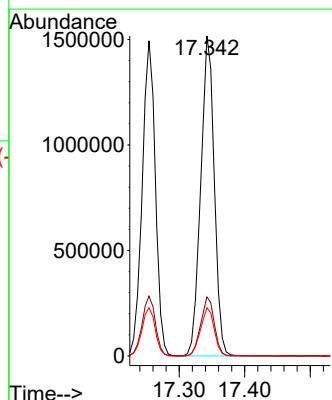
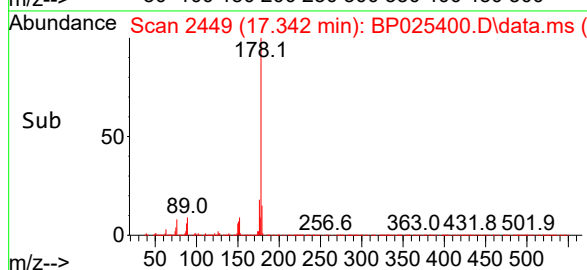
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

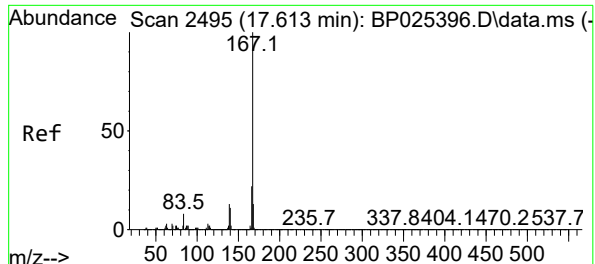


#72
Anthracene
Concen: 37.563 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



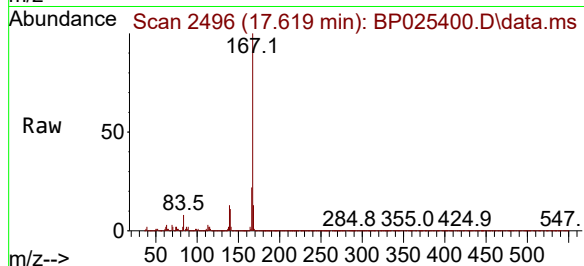
Tgt Ion:178 Resp: 2179669
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.1 12.2 18.2





#73
Carbazole
Concen: 37.116 ng
RT: 17.619 min Scan# 2495
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

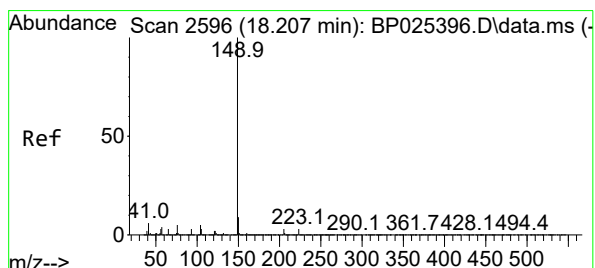
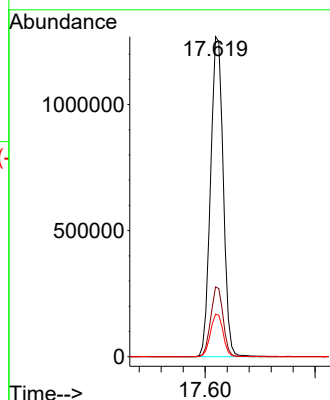
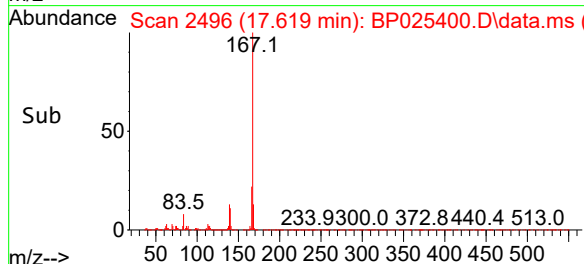
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



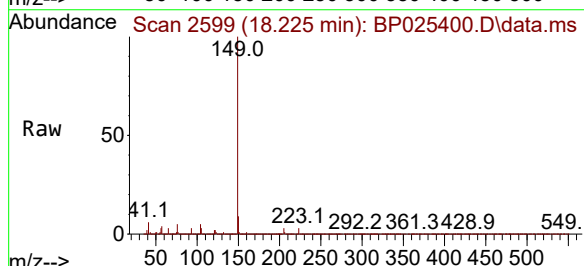
Tgt Ion:167 Resp: 202859
Ion Ratio Lower Upper
167 100
166 21.8 17.5 26.3
139 13.3 10.6 16.0

Manual Integrations
APPROVED

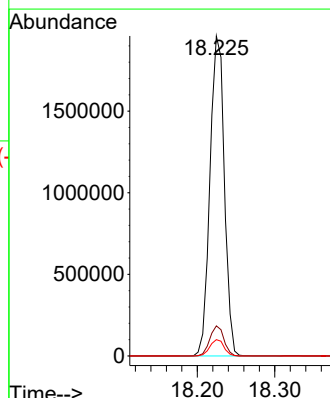
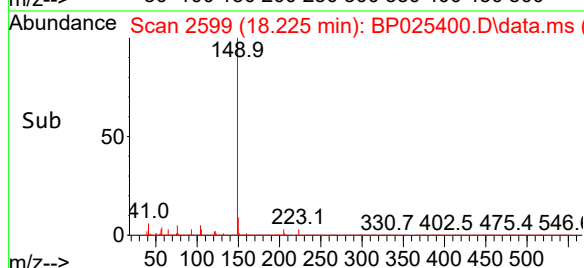
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

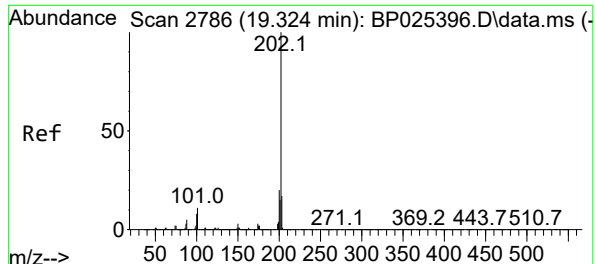


#74
Di-n-butylphthalate
Concen: 37.602 ng
RT: 18.225 min Scan# 2599
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



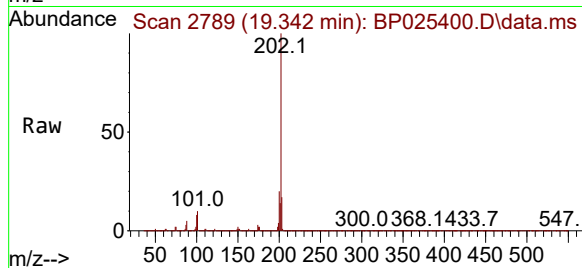
Tgt Ion:149 Resp: 2528547
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.0
104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 37.481 ng
RT: 19.342 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

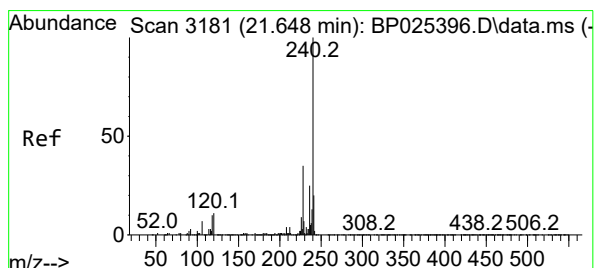
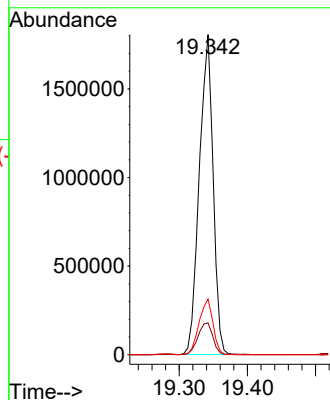
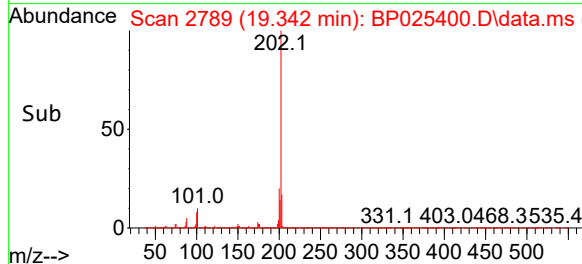
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



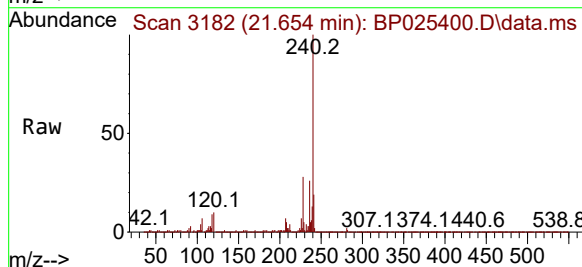
Tgt Ion:202 Resp: 254041
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 17.4 0.0 37.3

Manual Integrations
APPROVED

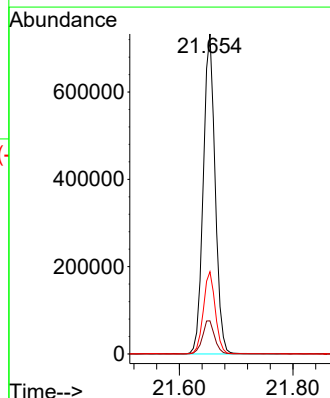
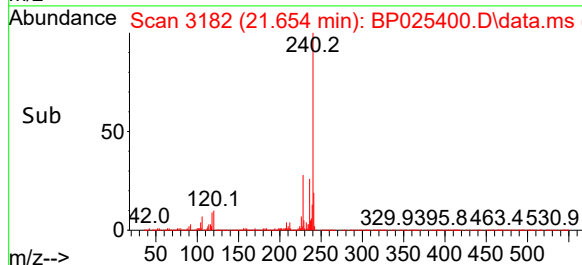
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

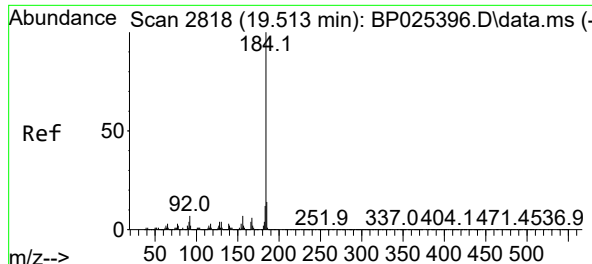


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



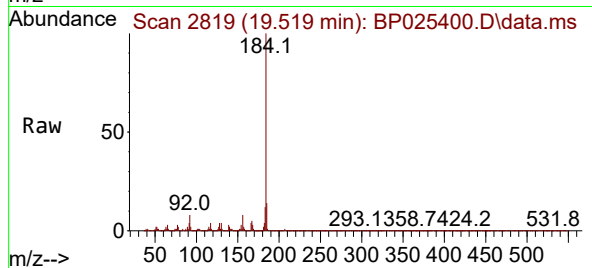
Tgt Ion:240 Resp: 1060337
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.7 19.8 29.8





#77
Benzidine
Concen: 42.271 ng
RT: 19.519 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

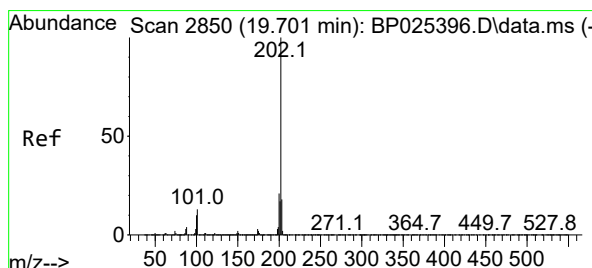
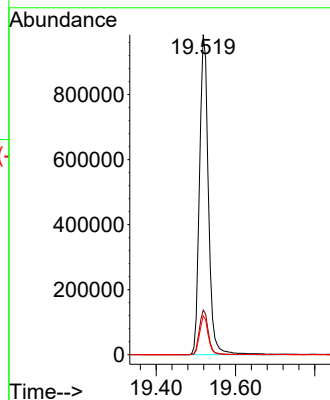
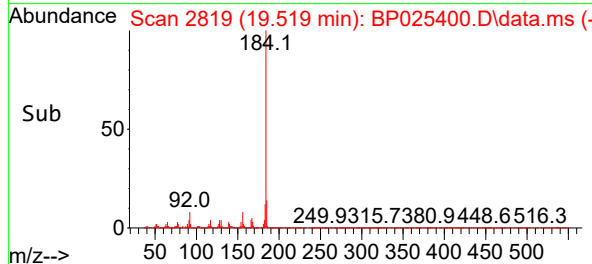
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



Tgt Ion:184 Resp: 1529650
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 12.1 9.4 14.2

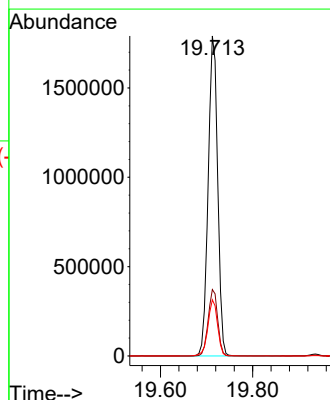
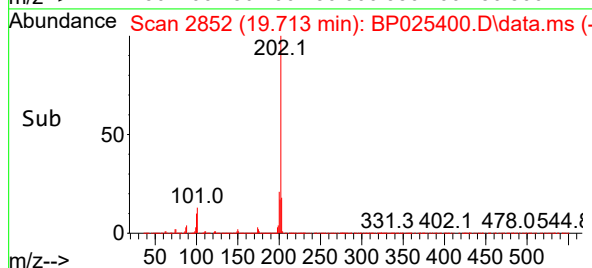
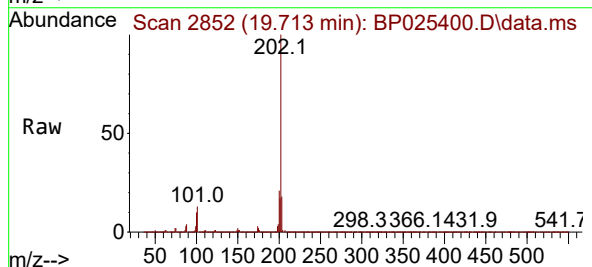
Manual Integrations
APPROVED

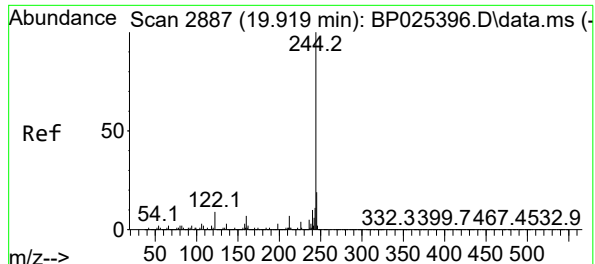
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#78
Pyrene
Concen: 37.404 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:202 Resp: 2577810
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 66.399 ng

RT: 19.936 min Scan# 2887

Delta R.T. 0.018 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:244 Resp: 3848160

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

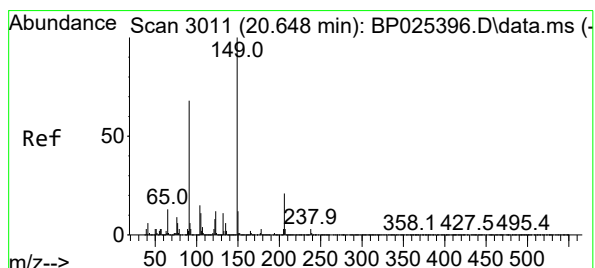
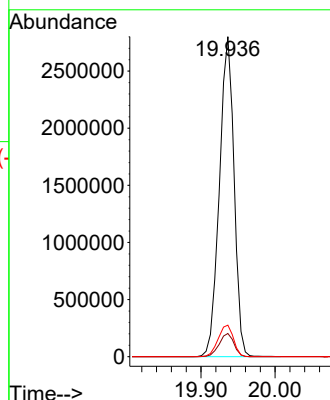
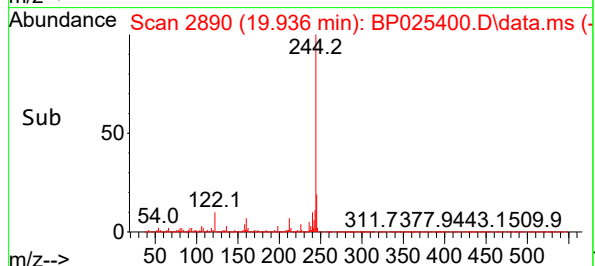
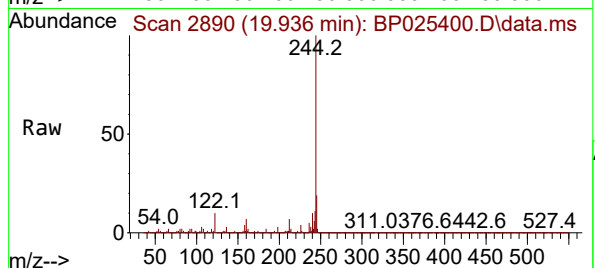
122 9.9 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#80

Butylbenzylphthalate

Concen: 38.401 ng

RT: 20.660 min Scan# 3013

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

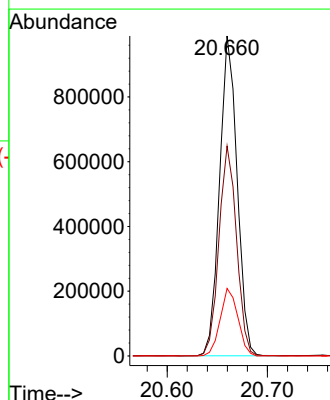
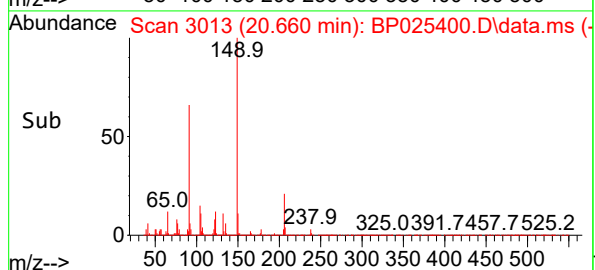
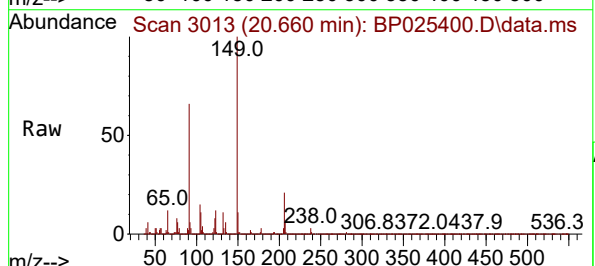
Tgt Ion:149 Resp: 1199445

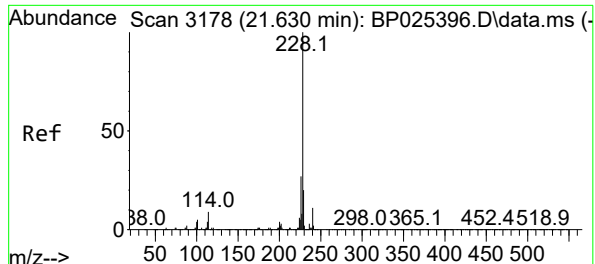
Ion Ratio Lower Upper

149 100

91 65.6 54.2 81.2

206 21.1 16.6 24.8





#81

Benzo(a)anthracene

Concen: 36.950 ng

RT: 21.636 min Scan# 3178

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:228 Resp: 258386

Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

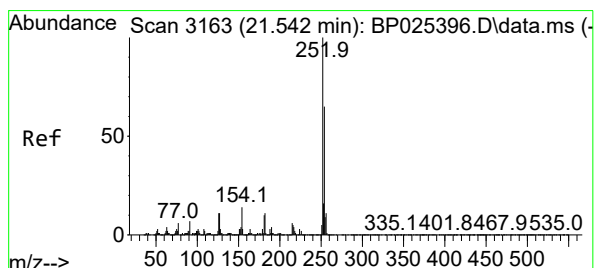
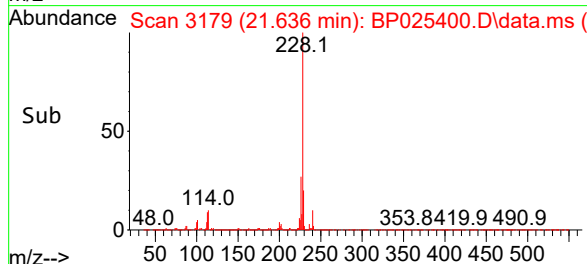
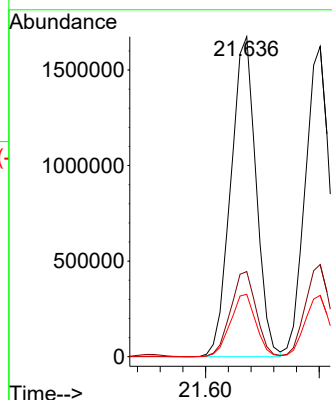
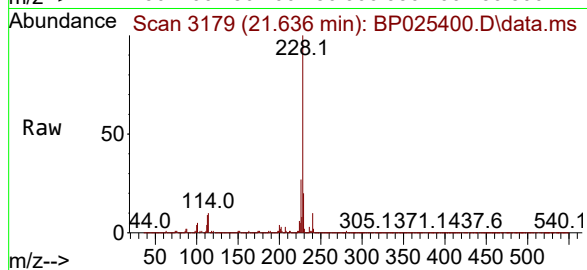
229 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 38.038 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

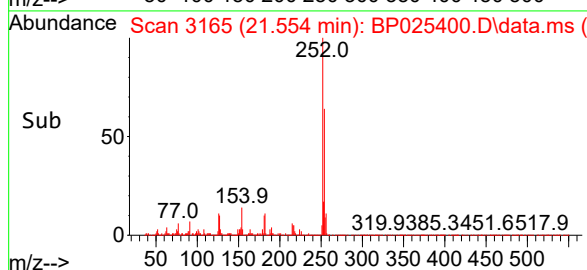
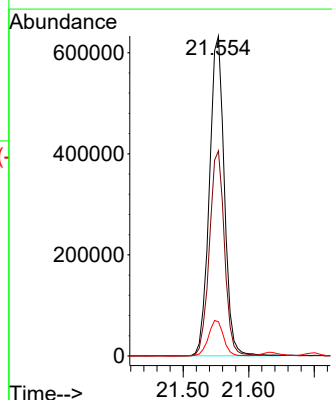
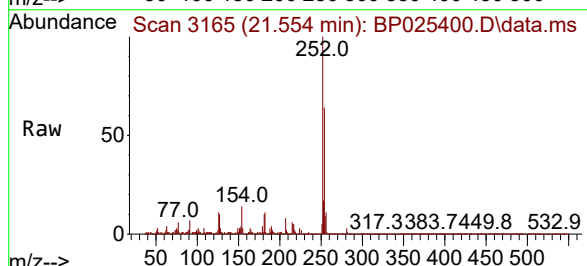
Tgt Ion:252 Resp: 1002597

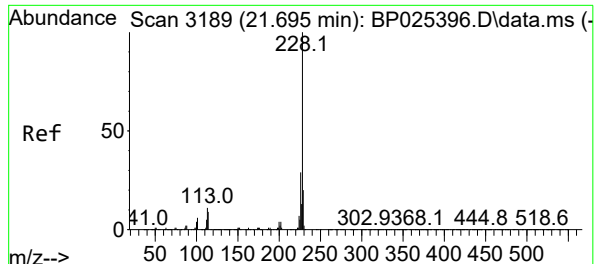
Ion Ratio Lower Upper

252 100

254 64.1 51.8 77.6

126 10.7 9.1 13.7





#83

Chrysene

Concen: 37.353 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

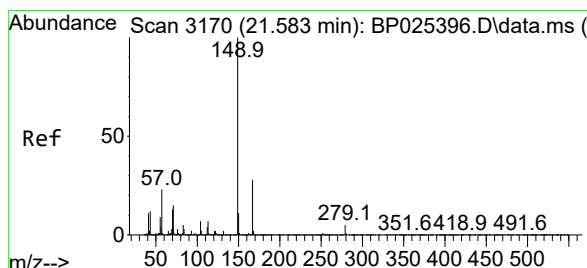
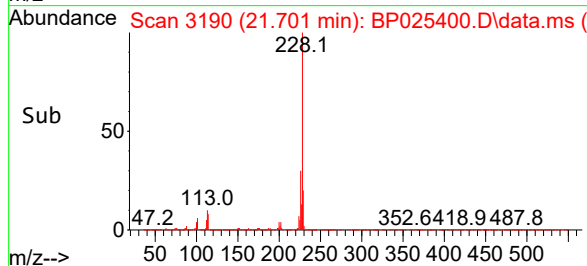
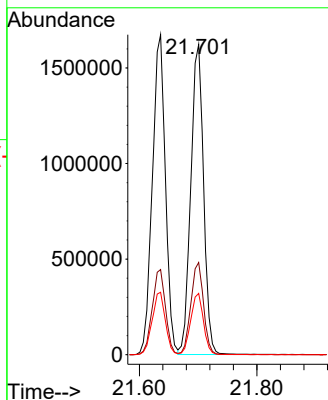
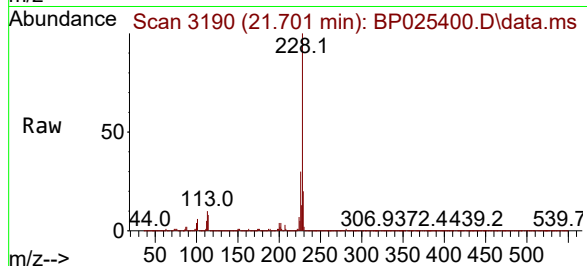
Tgt Ion:228	Resp: 244619
Ion Ratio	Lower Upper
228 100	
226 29.7	23.2 34.8
229 19.7	15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.729 ng

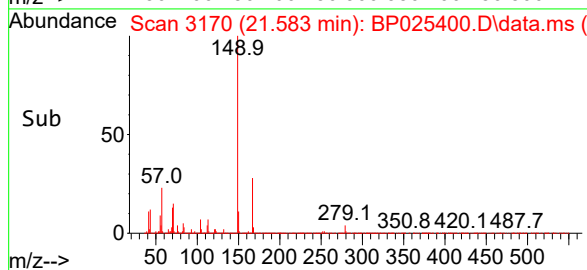
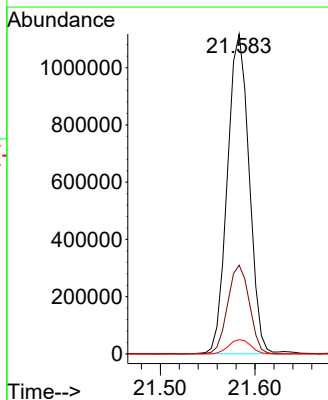
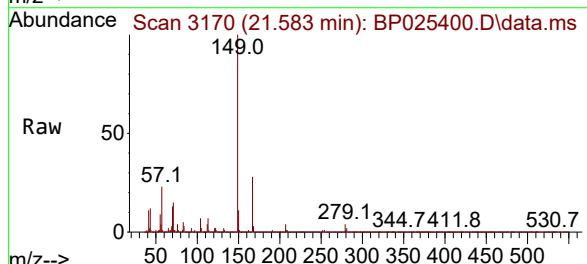
RT: 21.583 min Scan# 3170

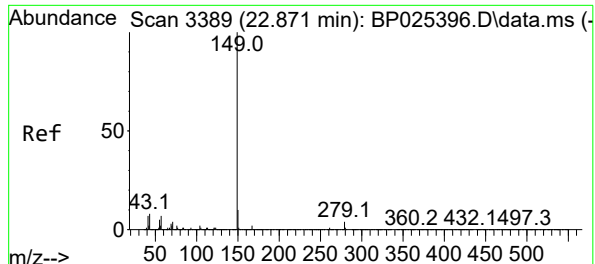
Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

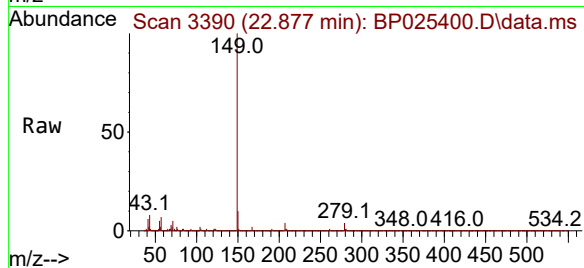
Tgt Ion:149	Resp: 1780746
Ion Ratio	Lower Upper
149 100	
167 27.8	22.1 33.1
279 4.5	3.8 5.6





#85
Di-n-octyl phthalate
Concen: 37.915 ng
RT: 22.877 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

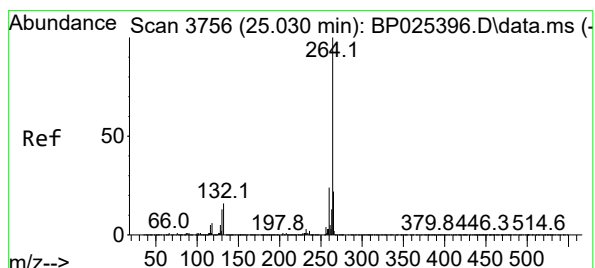
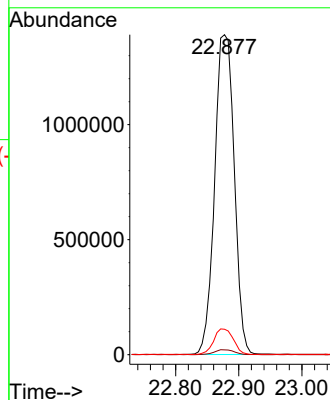
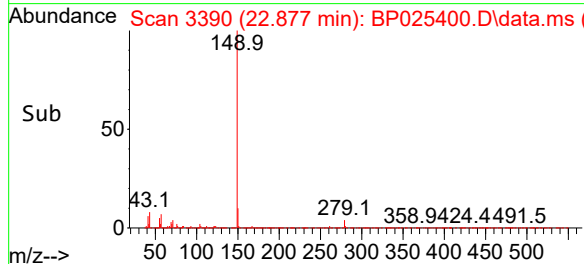
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



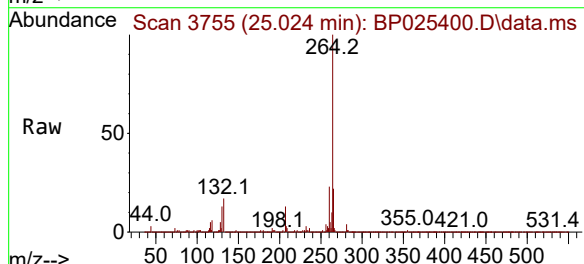
Tgt Ion:149 Resp: 2998528
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 6.3 9.5

Manual Integrations
APPROVED

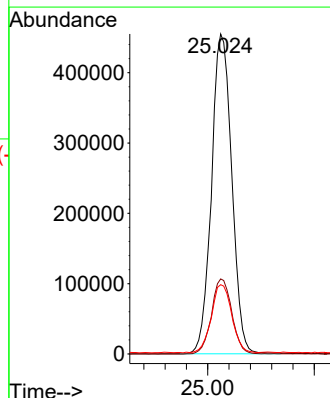
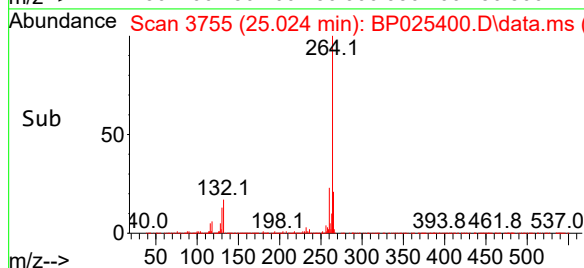
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

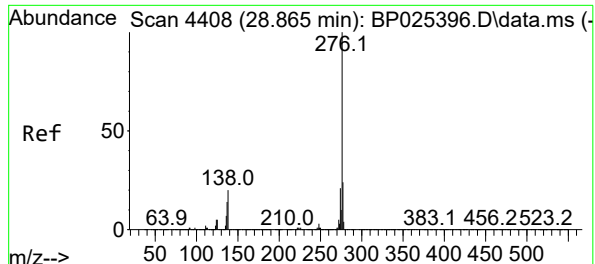


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05



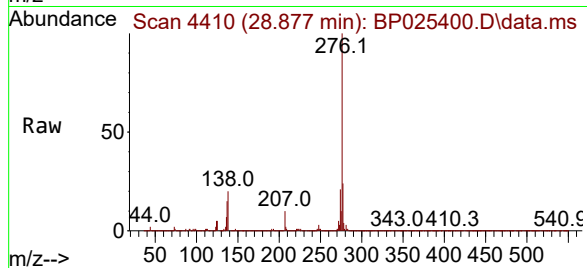
Tgt Ion:264 Resp: 1200519
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 21.6 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 37.119 ng
RT: 28.877 min Scan# 4408
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

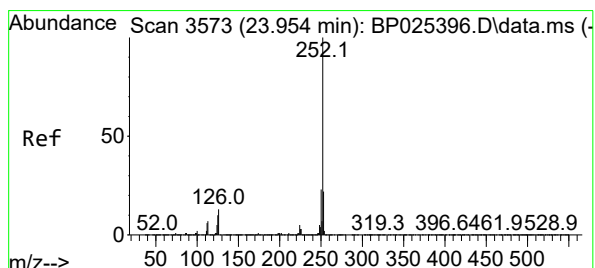
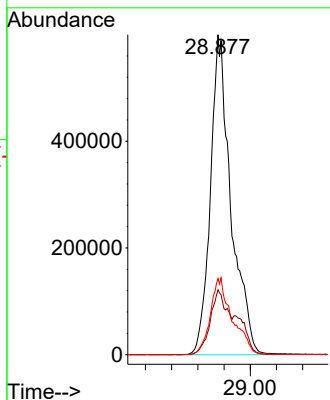
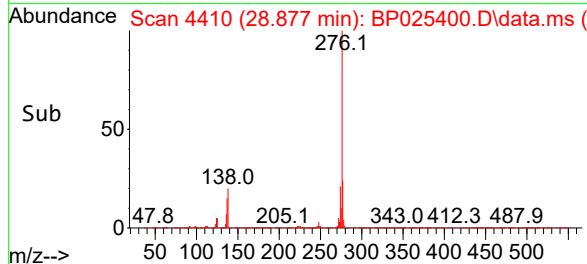
Instrument :
BNA_P
ClientSampleId :
ICVBP081425



Tgt Ion: 276 Resp: 326796
Ion Ratio Lower Upper
276 100
138 17.0 12.9 19.3
277 25.5 17.0 25.6

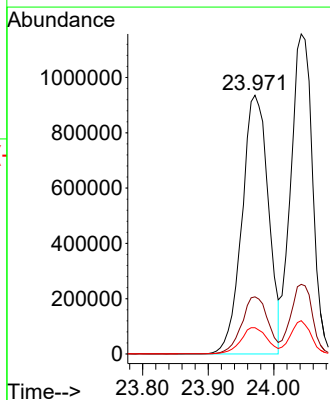
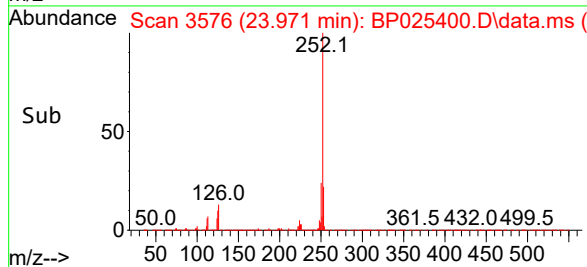
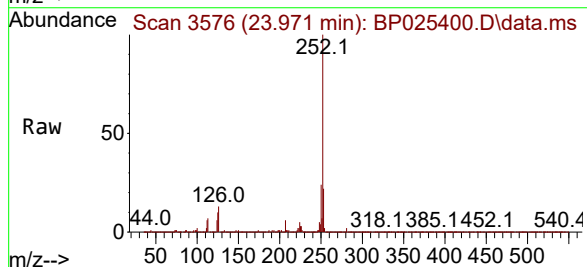
Manual Integrations
APPROVED

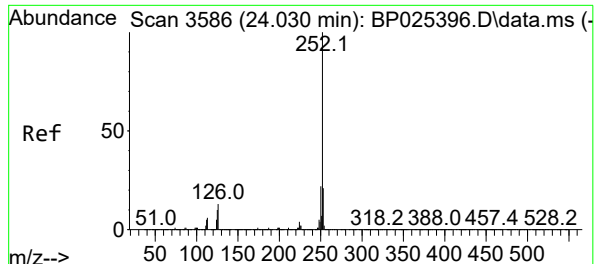
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#88
Benzo(b)fluoranthene
Concen: 36.964 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 252 Resp: 2616701
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 10.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 37.464 ng

RT: 24.042 min Scan# 3586

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:252 Resp: 265390

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

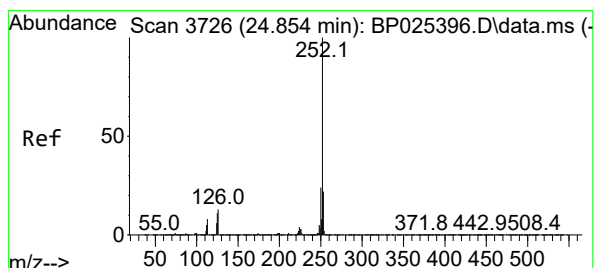
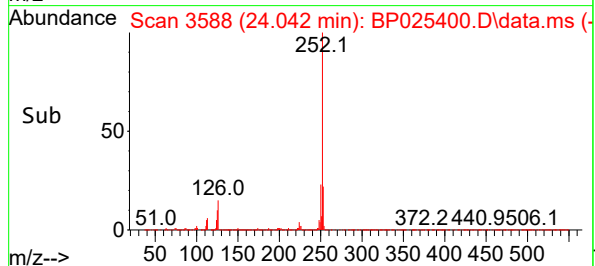
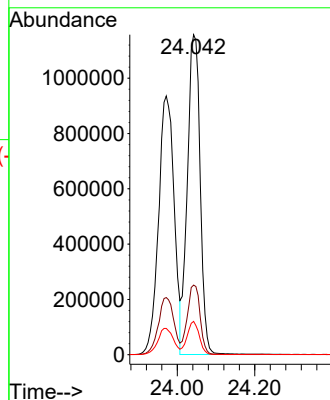
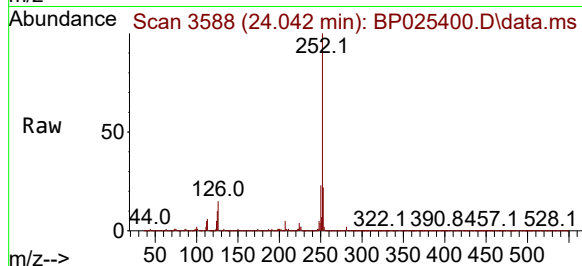
125 10.4 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 37.160 ng

RT: 24.871 min Scan# 3729

Delta R.T. 0.018 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

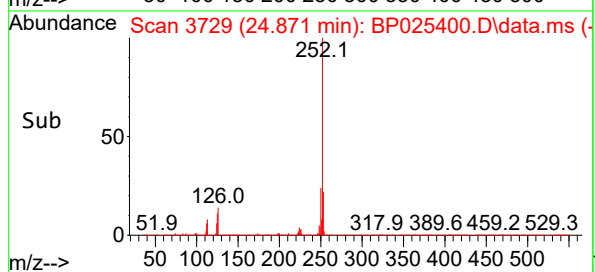
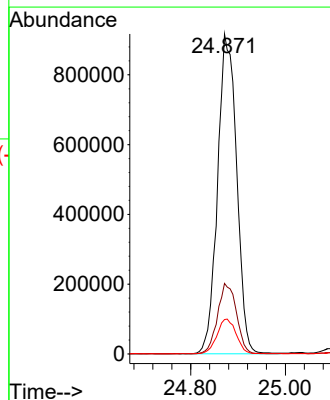
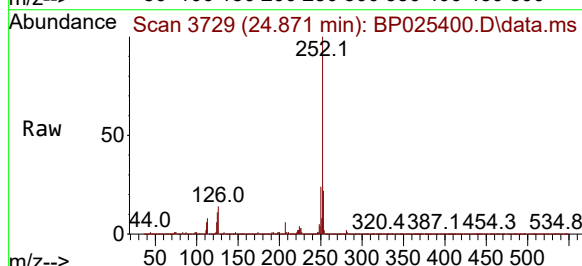
Tgt Ion:252 Resp: 2560692

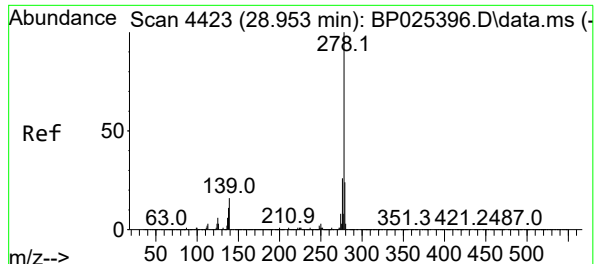
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.7 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 37.490 ng

RT: 28.948 min Scan# 4423

Delta R.T. -0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:278 Resp: 2697330

Ion Ratio Lower Upper

278 100

139 15.4 13.0 19.4

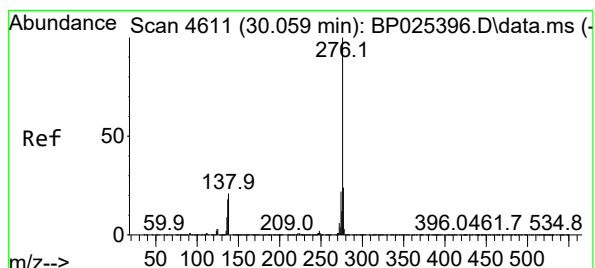
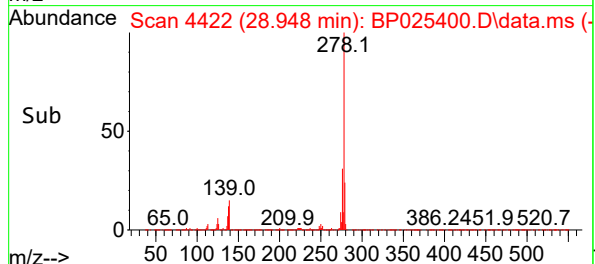
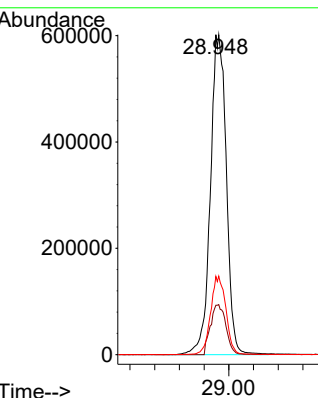
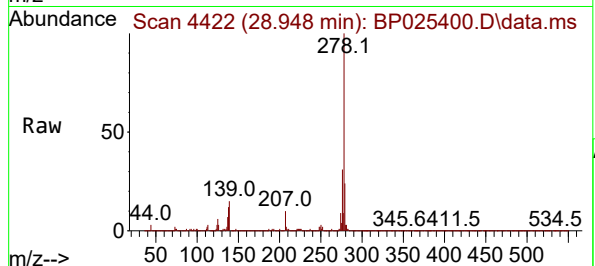
279 24.4 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#92

Benzo(g,h,i)perylene

Concen: 37.216 ng

RT: 30.089 min Scan# 4616

Delta R.T. 0.029 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

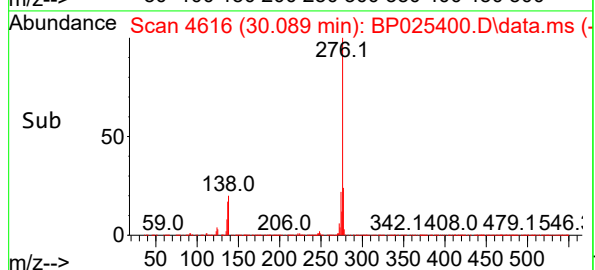
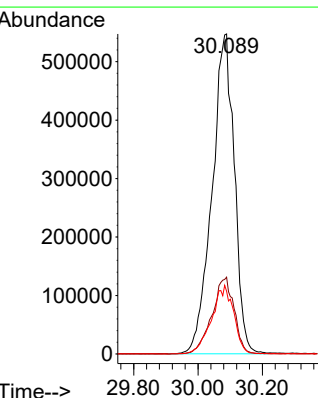
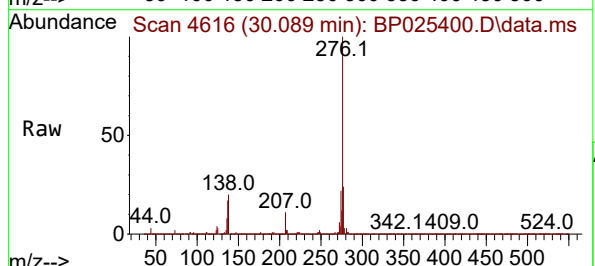
Tgt Ion:276 Resp: 2632085

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.0

138 19.6 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
2	1,4-Dioxane	0.472	0.399	15.5	99	0.00
3	Pyridine	1.291	1.159	10.2	105	0.00
4	n-Nitrosodimethylamine	0.532	0.507	4.7	109	0.00
5 S	2-Fluorophenol	1.204	1.045	13.2	99	0.00
6	Aniline	2.080	1.984	4.6	108	0.00
7 S	Phenol-d6	1.544	1.383	10.4	101	0.00
8	2-Chlorophenol	1.359	1.308	3.8	110	0.00
9	Benzaldehyde	1.082	0.923	14.7	75	0.00
10 C	Phenol	1.620	1.555	4.0	109	0.00
11	bis(2-Chloroethyl)ether	1.263	1.211	4.1	109	0.00
12	1,3-Dichlorobenzene	1.499	1.414	5.7	108	0.00
13 C	1,4-Dichlorobenzene	1.532	1.451	5.3	109	0.00
14	1,2-Dichlorobenzene	1.483	1.402	5.5	108	0.00
15	Benzyl Alcohol	1.227	1.197	2.4	111	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.619	4.3	110	0.00
17	2-Methylphenol	1.125	1.094	2.8	109	0.00
18	Hexachloroethane	0.563	0.536	4.8	109	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	0.979	4.3	109	0.00
20	3+4-Methylphenols	1.560	1.506	3.5	109	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	113	0.00
22	Acetophenone	0.502	0.479	4.6	112	0.00
23 S	Nitrobenzene-d5	0.395	0.328	17.0	97	0.00
24	Nitrobenzene	0.353	0.330	6.5	108	0.00
25	Isophorone	0.700	0.662	5.4	111	0.00
26 C	2-Nitrophenol	0.181	0.176	2.8	110	0.00
27	2,4-Dimethylphenol	0.312	0.303	2.9	111	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.400	5.4	111	0.00
29 C	2,4-Dichlorophenol	0.310	0.299	3.5	111	0.00
30	1,2,4-Trichlorobenzene	0.340	0.316	7.1	109	0.00
31	Naphthalene	1.040	0.973	6.4	110	0.00
32	Benzoic acid	0.230	0.220	4.3	110	0.01
33	4-Chloroaniline	0.459	0.437	4.8	109	0.00
34 C	Hexachlorobutadiene	0.211	0.196	7.1	108	0.00
35	Caprolactam	0.114	0.109	4.4	112	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.345	2.8	113	0.00
37	2-Methylnaphthalene	0.676	0.640	5.3	111	0.00
38	1-Methylnaphthalene	0.719	0.675	6.1	111	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.547	5.4	111	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.350	-0.3	115	0.00
42 S	2,4,6-Tribromophenol	0.269	0.241	10.4	105	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.380	2.6	113	0.00
44	2,4,5-Trichlorophenol	0.427	0.418	2.1	112	0.00
45 S	2-Fluorobiphenyl	1.463	1.208	17.4	99	0.00
46	1,1'-Biphenyl	1.453	1.368	5.8	111	0.00
47	2-Chloronaphthalene	1.131	1.065	5.8	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.322	2.1	111	0.00
49	Acenaphthylene	1.871	1.764	5.7	111	0.00
50	Dimethylphthalate	1.465	1.398	4.6	114	0.00
51	2,6-Dinitrotoluene	0.309	0.303	1.9	112	0.00
52 C	Acenaphthene	1.098	1.011	7.9	111	0.00
53	3-Nitroaniline	0.347	0.348	-0.3	116	0.00
54 P	2,4-Dinitrophenol	0.165	0.172	-4.2	120	0.00
55	Dibenzofuran	1.736	1.620	6.7	110	0.00
56 P	4-Nitrophenol	0.285	0.283	0.7	115	0.00
57	2,4-Dinitrotoluene	0.440	0.445	-1.1	116	0.00
58	Fluorene	1.370	1.267	7.5	111	0.01
59	2,3,4,6-Tetrachlorophenol	0.377	0.369	2.1	115	0.00
60	Diethylphthalate	1.488	1.407	5.4	112	0.00
61	4-Chlorophenyl-phenylether	0.681	0.623	8.5	109	0.01
62	4-Nitroaniline	0.356	0.345	3.1	112	0.00
63	Azobenzene	1.274	1.227	3.7	113	0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	117	0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.124	0.8	118	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.568	6.9	112	0.00
67	4-Bromophenyl-phenylether	0.220	0.204	7.3	112	0.00
68	Hexachlorobenzene	0.255	0.236	7.5	114	0.01
69	Atrazine	0.228	0.217	4.8	116	0.00
70 C	Pentachlorophenol	0.161	0.156	3.1	116	0.01
71	Phenanthrene	1.099	1.001	8.9	113	0.01
72	Anthracene	1.122	1.054	6.1	114	0.00
73	Carbazole	1.057	0.981	7.2	114	0.00
74	Di-n-butylphthalate	1.300	1.222	6.0	115	0.02
75 C	Fluoranthene	1.311	1.228	6.3	117	0.02
76 I	Chrysene-d12	1.000	1.000	0.0	118	0.00
77	Benzidine	0.683	0.721	-5.6	88	0.00
78	Pyrene	1.300	1.216	6.5	113	0.01
79 S	Terphenyl-d14	1.093	0.907	17.0	102	0.02
80	Butylbenzylphthalate	0.589	0.566	3.9	115	0.01
81	Benzo(a)anthracene	1.319	1.218	7.7	113	0.00
82	3,3'-Dichlorobenzidine	0.497	0.473	4.8	114	0.01
83	Chrysene	1.235	1.153	6.6	115	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.840	3.1	119	0.00
85 c	Di-n-octyl phthalate	1.492	1.414	5.2	115	0.00
86 I	Perylene-d12	1.000	1.000	0.0	117	0.00
87	Indeno(1,2,3-cd)pyrene	1.467	1.361	7.2	113	0.01
88	Benzo(b)fluoranthene	1.179	1.090	7.5	113	0.02
89	Benzo(k)fluoranthene	1.180	1.105	6.4	115	0.01
90 C	Benzo(a)pyrene	1.148	1.066	7.1	113	0.02
91	Dibenzo(a,h)anthracene	1.199	1.123	6.3	114	0.00
92	Benzo(g,h,i)perylene	1.178	1.096	7.0	113	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	110	0.00
2	1,4-Dioxane	40.000	33.792	15.5	99	0.00
3	Pyridine	40.000	35.901	10.2	105	0.00
4	n-Nitrosodimethylamine	40.000	38.115	4.7	109	0.00
5 S	2-Fluorophenol	80.000	69.430	13.2	99	0.00
6	Aniline	40.000	38.147	4.6	108	0.00
7 S	Phenol-d6	80.000	71.663	10.4	101	0.00
8	2-Chlorophenol	40.000	38.501	3.7	110	0.00
9	Benzaldehyde	40.000	34.142	14.6	75	0.00
10 C	Phenol	40.000	38.388	4.0	109	0.00
11	bis(2-Chloroethyl)ether	40.000	38.348	4.1	109	0.00
12	1,3-Dichlorobenzene	40.000	37.738	5.7	108	0.00
13 C	1,4-Dichlorobenzene	40.000	37.890	5.3	109	0.00
14	1,2-Dichlorobenzene	40.000	37.818	5.5	108	0.00
15	Benzyl Alcohol	40.000	39.025	2.4	111	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.271	4.3	110	0.00
17	2-Methylphenol	40.000	38.877	2.8	109	0.00
18	Hexachloroethane	40.000	38.103	4.7	109	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.270	4.3	109	0.00
20	3+4-Methylphenols	40.000	38.620	3.5	109	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	113	0.00
22	Acetophenone	40.000	38.216	4.5	112	0.00
23 S	Nitrobenzene-d5	80.000	66.391	17.0	97	0.00
24	Nitrobenzene	40.000	37.313	6.7	108	0.00
25	Isophorone	40.000	37.855	5.4	111	0.00
26 C	2-Nitrophenol	40.000	38.722	3.2	110	0.00
27	2,4-Dimethylphenol	40.000	38.910	2.7	111	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.816	5.5	111	0.00
29 C	2,4-Dichlorophenol	40.000	38.649	3.4	111	0.00
30	1,2,4-Trichlorobenzene	40.000	37.231	6.9	109	0.00
31	Naphthalene	40.000	37.431	6.4	110	0.00
32	Benzoic acid	40.000	38.242	4.4	110	0.01
33	4-Chloroaniline	40.000	38.043	4.9	109	0.00
34 C	Hexachlorobutadiene	40.000	37.031	7.4	108	0.00
35	Caprolactam	40.000	38.310	4.2	112	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.789	3.0	113	0.00
37	2-Methylnaphthalene	40.000	37.845	5.4	111	0.00
38	1-Methylnaphthalene	40.000	37.539	6.2	111	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.895	5.3	111	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.074	-0.2	115	0.00
42 S	2,4,6-Tribromophenol	80.000	71.582	10.5	105	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.972	2.6	113	0.00
44	2,4,5-Trichlorophenol	40.000	39.108	2.2	112	0.00
45 S	2-Fluorobiphenyl	80.000	66.016	17.5	99	0.00
46	1,1'-Biphenyl	40.000	37.672	5.8	111	0.00
47	2-Chloronaphthalene	40.000	37.682	5.8	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	39.081	2.3	111	0.00
49	Acenaphthylene	40.000	37.720	5.7	111	0.00
50	Dimethylphthalate	40.000	38.170	4.6	114	0.00
51	2,6-Dinitrotoluene	40.000	39.211	2.0	112	0.00
52 C	Acenaphthene	40.000	36.837	7.9	111	0.00
53	3-Nitroaniline	40.000	40.027	-0.1	116	0.00
54 P	2,4-Dinitrophenol	40.000	41.646	-4.1	120	0.00
55	Dibenzofuran	40.000	37.324	6.7	110	0.00
56 P	4-Nitrophenol	40.000	39.630	0.9	115	0.00
57	2,4-Dinitrotoluene	40.000	40.439	-1.1	116	0.00
58	Fluorene	40.000	36.992	7.5	111	0.01
59	2,3,4,6-Tetrachlorophenol	40.000	39.147	2.1	115	0.00
60	Diethylphthalate	40.000	37.810	5.5	112	0.00
61	4-Chlorophenyl-phenylether	40.000	36.596	8.5	109	0.01
62	4-Nitroaniline	40.000	38.717	3.2	112	0.00
63	Azobenzene	40.000	38.526	3.7	113	0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	117	0.01
65	4,6-Dinitro-2-methylphenol	40.000	39.721	0.7	118	0.00
66 c	n-Nitrosodiphenylamine	40.000	37.227	6.9	112	0.00
67	4-Bromophenyl-phenylether	40.000	37.101	7.2	112	0.00
68	Hexachlorobenzene	40.000	37.062	7.3	114	0.01
69	Atrazine	40.000	38.057	4.9	116	0.00
70 C	Pentachlorophenol	40.000	38.733	3.2	116	0.01
71	Phenanthrene	40.000	36.445	8.9	113	0.01
72	Anthracene	40.000	37.563	6.1	114	0.00
73	Carbazole	40.000	37.116	7.2	114	0.00
74	Di-n-butylphthalate	40.000	37.602	6.0	115	0.02
75 C	Fluoranthene	40.000	37.481	6.3	117	0.02
76 I	Chrysene-d12	20.000	20.000	0.0	118	0.00
77	Benzydine	40.000	42.271	-5.7	88	0.00
78	Pyrene	40.000	37.404	6.5	113	0.01
79 S	Terphenyl-d14	80.000	66.399	17.0	102	0.02
80	Butylbenzylphthalate	40.000	38.401	4.0	115	0.01
81	Benzo(a)anthracene	40.000	36.950	7.6	113	0.00
82	3,3'-Dichlorobenzidine	40.000	38.038	4.9	114	0.01
83	Chrysene	40.000	37.353	6.6	115	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.729	3.2	119	0.00
85 c	Di-n-octyl phthalate	40.000	37.915	5.2	115	0.00
86 I	Perylene-d12	20.000	20.000	0.0	117	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	37.119	7.2	113	0.01
88	Benzo(b)fluoranthene	40.000	36.964	7.6	113	0.02
89	Benzo(k)fluoranthene	40.000	37.464	6.3	115	0.01
90 C	Benzo(a)pyrene	40.000	37.160	7.1	113	0.02
91	Dibenzo(a,h)anthracene	40.000	37.490	6.3	114	0.00
92	Benzo(g,h,i)perylene	40.000	37.216	7.0	113	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
----------	--------	-------	------	-------	----------

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/15/2025</u> <u>03:54</u>
Lab File ID:	<u>BF143399.D</u>	Init. Calib. Date(s):	<u>08/12/2025</u> <u>08/12/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:03</u> <u>12:38</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.157	1.081		-6.6	
Benzaldehyde	0.980	0.803		-18.1	
Phenol-d6	1.483	1.325		-10.7	
Phenol	1.757	1.562		-11.1	20.0
bis(2-Chloroethyl)ether	1.295	1.165		-10.0	
2-Chlorophenol	1.236	1.194		-3.4	
2-Methylphenol	1.043	0.969		-7.1	
2,2-oxybis(1-Chloropropane)	2.312	1.961		-15.2	
Acetophenone	0.441	0.385		-12.7	
3+4-Methylphenols	1.262	1.138		-9.8	
n-Nitroso-di-n-propylamine	0.916	0.781	0.050	-14.7	
Nitrobenzene-d5	0.321	0.315		-1.9	
Hexachloroethane	0.449	0.446		-0.7	
Nitrobenzene	0.349	0.335		-4.0	
Isophorone	0.656	0.580		-11.6	
2-Nitrophenol	0.118	0.162		37.3	20.0
2,4-Dimethylphenol	0.274	0.260		-5.1	
bis(2-Chloroethoxy)methane	0.400	0.364		-9.0	
2,4-Dichlorophenol	0.267	0.264		-1.1	20.0
Naphthalene	0.962	0.867		-9.9	
4-Chloroaniline	0.347	0.315		-9.2	
Hexachlorobutadiene	0.175	0.169		-3.4	20.0
Caprolactam	0.075	0.074		-1.3	
4-Chloro-3-methylphenol	0.280	0.259		-7.5	20.0
2-Methylnaphthalene	0.633	0.571		-9.8	
Hexachlorocyclopentadiene	0.158	0.243	0.050	53.8	
2,4,6-Trichlorophenol	0.311	0.321		3.2	20.0
2-Fluorobiphenyl	1.179	1.063		-9.8	
2,4,5-Trichlorophenol	0.351	0.348		-0.9	
1,1-Biphenyl	1.414	1.278		-9.6	
2-Chloronaphthalene	1.114	1.021		-8.3	
2-Nitroaniline	0.284	0.309		8.8	
Dimethylphthalate	1.169	1.109		-5.1	
Acenaphthylene	1.608	1.460		-9.2	
2,6-Dinitrotoluene	0.193	0.236		22.3	
3-Nitroaniline	0.239	0.256		7.1	
Acenaphthene	1.069	0.973		-9.0	20.0
2,4-Dinitrophenol	0.065	0.097	0.050	49.2	
4-Nitrophenol	0.163	0.187	0.050	14.7	



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/15/2025</u> <u>03:54</u>
Lab File ID:	<u>BF143399.D</u>	Init. Calib. Date(s):	<u>08/12/2025</u> <u>08/12/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:03</u> <u>12:38</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.376		-10.6	
2,4-Dinitrotoluene	0.256	0.308		20.3	
Diethylphthalate	1.047	1.011		-3.4	
4-Chlorophenyl-phenylether	0.568	0.521		-8.3	
Fluorene	1.175	1.025		-12.8	
4-Nitroaniline	0.232	0.232		0.0	
4,6-Dinitro-2-methylphenol	0.069	0.098		42.0	
n-Nitrosodiphenylamine	0.659	0.607		-7.9	20.0
2,4,6-Tribromophenol	0.146	0.158		8.2	
4-Bromophenyl-phenylether	0.229	0.221		-3.5	
Hexachlorobenzene	0.247	0.231		-6.5	
Atrazine	0.172	0.183		6.4	
Pentachlorophenol	0.101	0.288		185.1	20.0
Phenanthrene	1.091	0.975		-10.6	
Anthracene	1.107	0.977		-11.7	
Carbazole	0.942	0.826		-12.3	
Di-n-butylphthalate	0.798	0.904		13.3	
Fluoranthene	0.956	0.865		-9.5	20.0
Pyrene	1.678	1.335		-20.4	
Terphenyl-d14	1.120	0.924		-17.5	
Butylbenzylphthalate	0.284	0.448		57.7	
3,3-Dichlorobenzidine	0.343	0.379		10.5	
Benzo (a) anthracene	1.271	1.124		-11.6	
Chrysene	1.185	1.108		-6.5	
Bis (2-ethylhexyl) phthalate	0.403	0.630		56.3	
Di-n-octyl phthalate	0.860	1.156		34.4	20.0
Benzo (b) fluoranthene	1.094	1.059		-3.2	
Benzo (k) fluoranthene	1.063	0.910		-14.4	
Benzo (a) pyrene	1.030	0.949		-7.9	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.295		-9.6	
Dibenzo (a,h) anthracene	1.145	1.020		-10.9	
Benzo (g,h,i) perylene	1.153	1.014		-12.1	
1,2,4,5-Tetrachlorobenzene	0.547	0.510		-6.8	
1,4-Dioxane	0.598	0.580		-3.0	20.0
2,3,4,6-Tetrachlorophenol	0.236	0.257		8.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143399.D
 Acq On : 15 Aug 2025 03:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 15 13:04:24 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 12 13:25:39 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	154119	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	585558	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	307669	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	448323	20.000	ng	0.00
76) Chrysene-d12	14.098	240	298922	20.000	ng	0.00
86) Perylene-d12	15.592	264	377299	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	666444	74.777	ng	0.00
7) Phenol-d6	6.563	99	816901	71.476	ng	0.00
23) Nitrobenzene-d5	7.493	82	737761	78.460	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	193949	86.257	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1308576	72.124	ng	0.00
79) Terphenyl-d14	13.039	244	1104297	65.955	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.740	88	178884	38.788	ng	97
3) Pyridine	3.516	79	440108	35.812	ng	98
4) n-Nitrosodimethylamine	3.458	42	199433	34.837	ng	98
6) Aniline	6.598	93	562376	34.903	ng	98
8) 2-Chlorophenol	6.722	128	368039	38.646	ng	96
9) Benzaldehyde	6.487	77	247585	32.775	ng	97
10) Phenol	6.581	94	481619	35.572	ng	96
11) bis(2-Chloroethyl)ether	6.663	93	359103	35.987	ng	99
12) 1,3-Dichlorobenzene	6.875	146	399589	36.378	ng	99
13) 1,4-Dichlorobenzene	6.951	146	401173	36.389	ng	100
14) 1,2-Dichlorobenzene	7.104	146	380149	36.325	ng	100
15) Benzyl Alcohol	7.075	79	303375	37.031	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	604495	33.932	ng	100
17) 2-Methylphenol	7.187	107	298798	37.170	ng	99
18) Hexachloroethane	7.451	117	137360	39.741	ng	94
19) n-Nitroso-di-n-propyla...	7.345	70	240660	34.078	ng	99
20) 3+4-Methylphenols	7.340	107	350891	36.093	ng	98
22) Acetophenone	7.340	105	450772	34.939	ng	97
24) Nitrobenzene	7.510	77	391763	38.363	ng	99
25) Isophorone	7.751	82	679055	35.375	ng	100
26) 2-Nitrophenol	7.828	139	189734	46.487	ng	99
27) 2,4-Dimethylphenol	7.863	122	304951m	38.079	ng	
28) bis(2-Chloroethoxy)met...	7.957	93	426215	36.367	ng	99
29) 2,4-Dichlorophenol	8.075	162	308637	39.458	ng	98
30) 1,2,4-Trichlorobenzene	8.157	180	309994	37.571	ng	100
31) Naphthalene	8.240	128	1015616	36.045	ng	99
32) Benzoic acid	7.981	122	148637	44.034	ng	97
33) 4-Chloroaniline	8.281	127	369334	36.342	ng	100
34) Hexachlorobutadiene	8.357	225	197920	38.562	ng	99
35) Caprolactam	8.645	113	86672	39.416	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	303083	36.961	ng	98
37) 2-Methylnaphthalene	8.928	142	668140	36.070	ng	99
38) 1-Methylnaphthalene	9.028	142	640396	35.896	ng	100
40) 1,2,4,5-Tetrachloroben...	9.098	216	313835	37.276	ng	99
41) Hexachlorocyclopentadiene	9.087	237	149463	52.784	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	197297	41.302	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143399.D
 Acq On : 15 Aug 2025 03:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 15 13:04:24 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 12 13:25:39 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	214438	39.752	ng	97
46) 1,1'-Biphenyl	9.392	154	786326	36.146	ng	99
47) 2-Chloronaphthalene	9.416	162	628536	36.686	ng	99
48) 2-Nitroaniline	9.510	65	190071	39.015	ng	94
49) Acenaphthylene	9.828	152	898622	36.320	ng	99
50) Dimethylphthalate	9.681	163	682495	37.964	ng	100
51) 2,6-Dinitrotoluene	9.745	165	145324	43.044	ng	95
52) Acenaphthene	10.004	154	598801	36.404	ng	99
53) 3-Nitroaniline	9.916	138	157424	42.759	ng	97
54) 2,4-Dinitrophenol	10.028	184	59555	51.347	ng	# 82
55) Dibenzofuran	10.175	168	846919	35.775	ng	99
56) 4-Nitrophenol	10.081	139	114908	41.856	ng	96
57) 2,4-Dinitrotoluene	10.151	165	189688	42.395	ng	89
58) Fluorene	10.516	166	630662	34.878	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.298	232	158397	43.560	ng	97
60) Diethylphthalate	10.386	149	622164	38.637	ng	99
61) 4-Chlorophenyl-phenyle...	10.510	204	320765	36.713	ng	98
62) 4-Nitroaniline	10.528	138	142815	40.094	ng	98
63) Azobenzene	10.669	77	633989	34.469	ng	97
65) 4,6-Dinitro-2-methylph...	10.563	198	88176	48.521	ng	91
66) n-Nitrosodiphenylamine	10.628	169	544301	36.871	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	197816	38.580	ng	98
68) Hexachlorobenzene	11.069	284	206818	37.421	ng	98
69) Atrazine	11.151	200	163775	42.535	ng	99
70) Pentachlorophenol	11.269	266	258266	94.322	ng	96
71) Phenanthrene	11.480	178	874214	35.740	ng	100
72) Anthracene	11.533	178	876126	35.318	ng	100
73) Carbazole	11.686	167	740341	35.043	ng	99
74) Di-n-butylphthalate	12.010	149	810616	45.343	ng	100
75) Fluoranthene	12.669	202	775610	36.199	ng	99
77) Benzidine	12.786	184	322181	39.424	ng	98
78) Pyrene	12.898	202	798173	31.829	ng	99
80) Butylbenzylphthalate	13.510	149	267587	53.579	ng	97
81) Benzo(a)anthracene	14.086	228	672240	35.382	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	226457	44.142	ng	99
83) Chrysene	14.127	228	662658	37.405	ng	99
84) Bis(2-ethylhexyl)phtha...	14.069	149	376483	51.348	ng	98
85) Di-n-octyl phthalate	14.686	149	690916	47.658	ng	95
87) Indeno(1,2,3-cd)pyrene	17.121	276	977103	36.148	ng	99
88) Benzo(b)fluoranthene	15.151	252	799255	38.730	ng	99
89) Benzo(k)fluoranthene	15.180	252	687057	34.263	ng	99
90) Benzo(a)pyrene	15.527	252	716381	36.858	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	769353	35.627	ng	99
92) Benzo(g,h,i)perylene	17.580	276	765398	35.184	ng	99

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

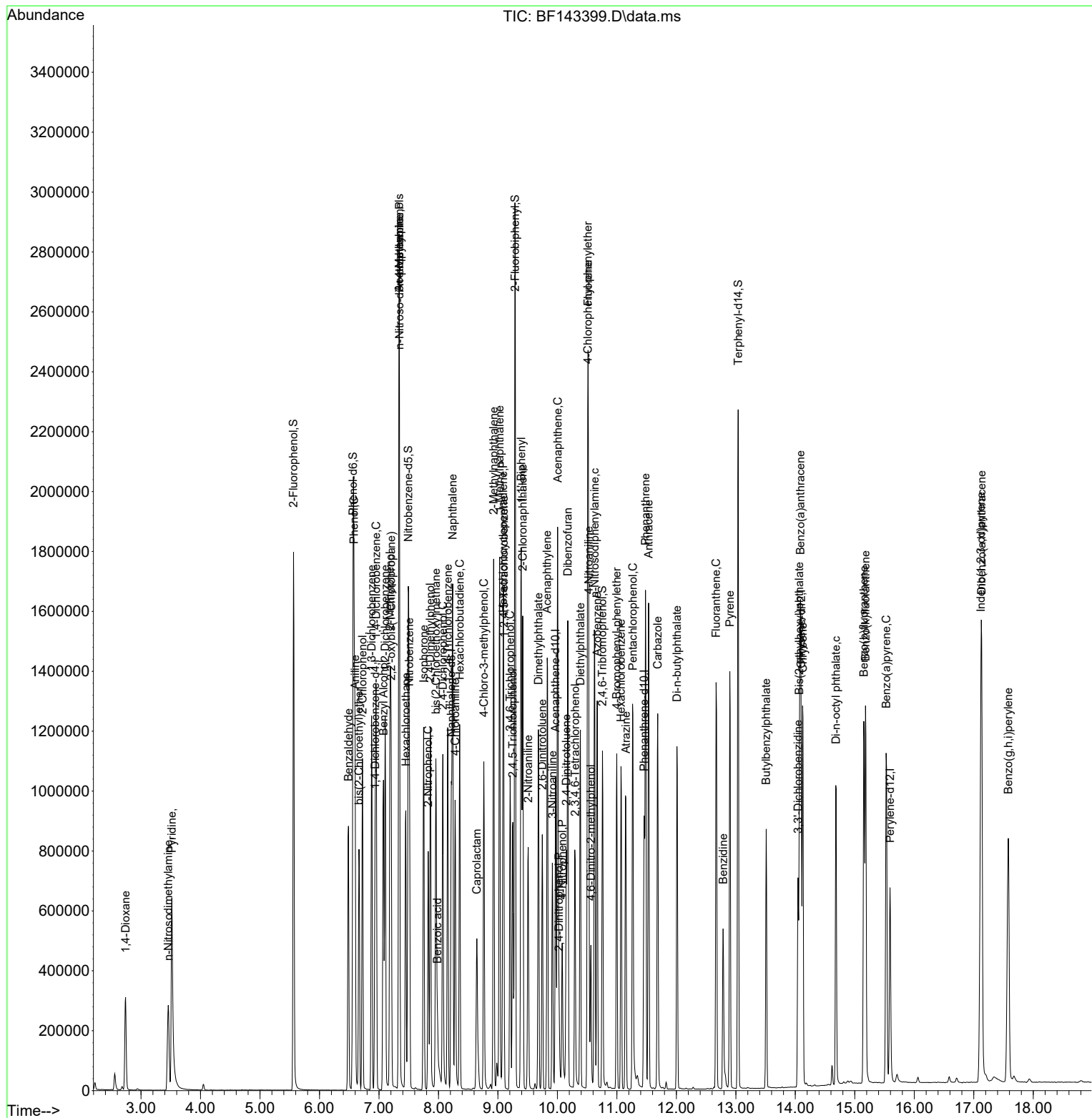
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Data File : BF143399.D
Acq On : 15 Aug 2025 03:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 43 Sample Multiplier: 1

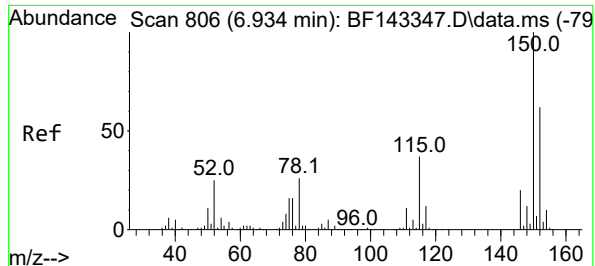
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

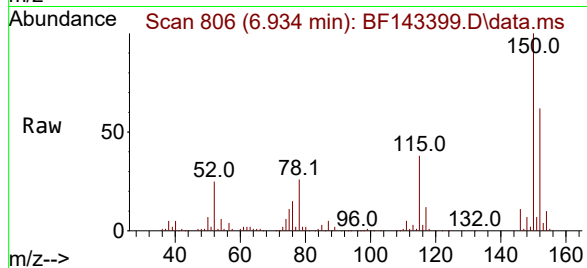
Quant Time: Aug 15 13:04:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

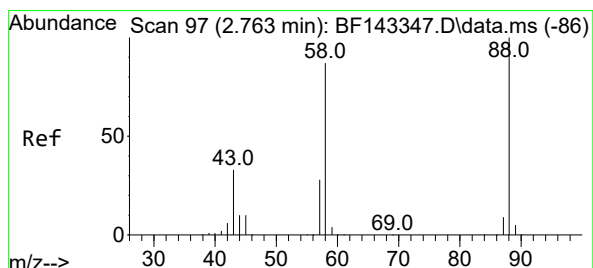
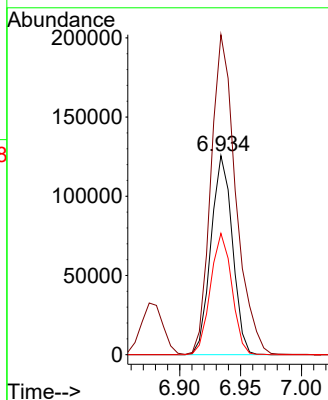
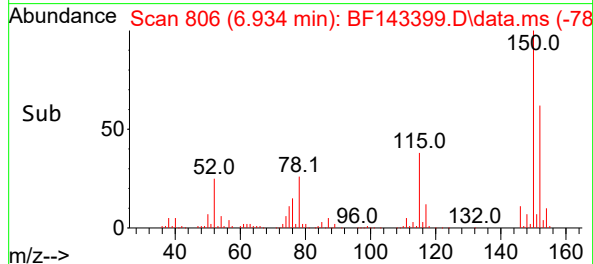
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 154119
Ion Ratio Lower Upper
152 100
150 160.8 129.8 194.8
115 60.9 47.8 71.8

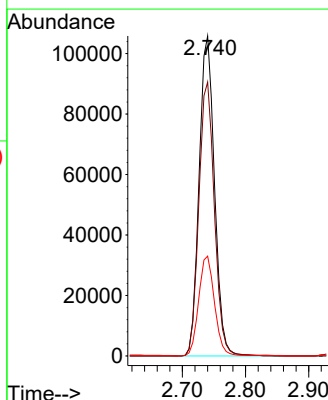
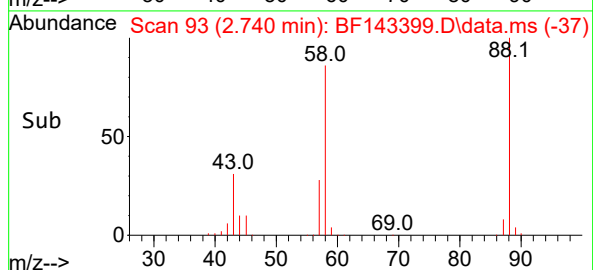
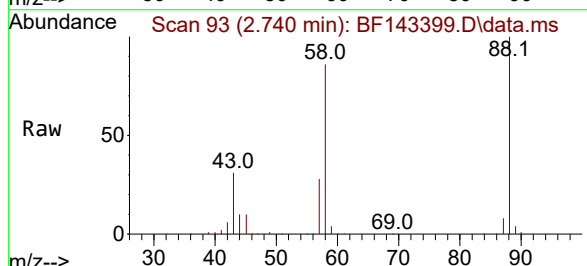
Manual Integrations
APPROVED

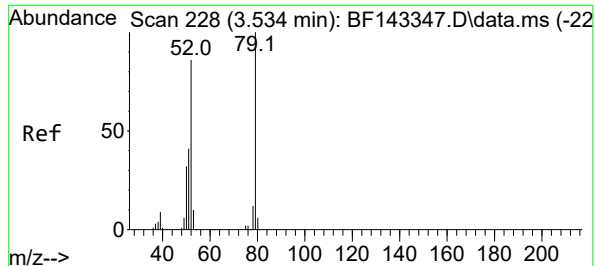
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 38.788 ng
RT: 2.740 min Scan# 93
Delta R.T. -0.023 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion: 88 Resp: 178884
Ion Ratio Lower Upper
88 100
58 86.5 71.0 106.6
43 32.2 27.0 40.6





#3

Pyridine

Concen: 35.812 ng

RT: 3.516 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 440108

Ion Ratio Lower Upper

79 100

52 83.8 68.7 103.1

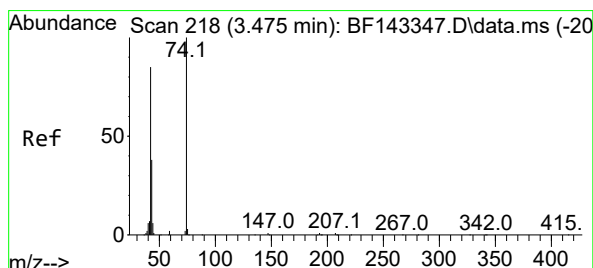
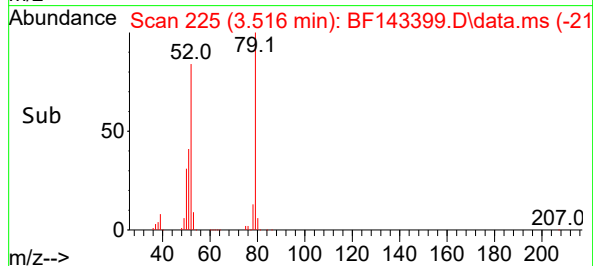
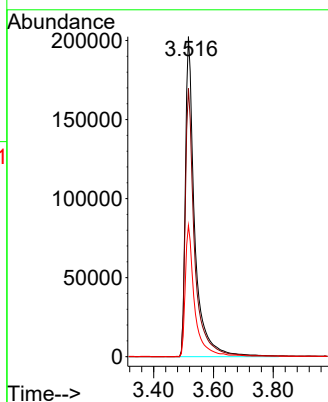
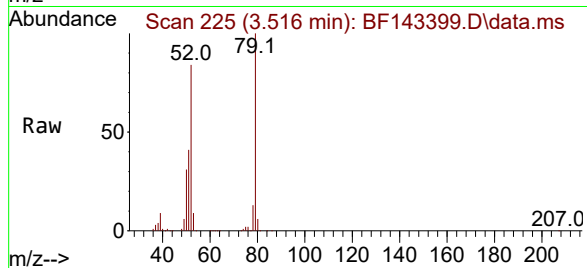
51 41.0 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#4

n-Nitrosodimethylamine

Concen: 34.837 ng

RT: 3.458 min Scan# 215

Delta R.T. -0.018 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

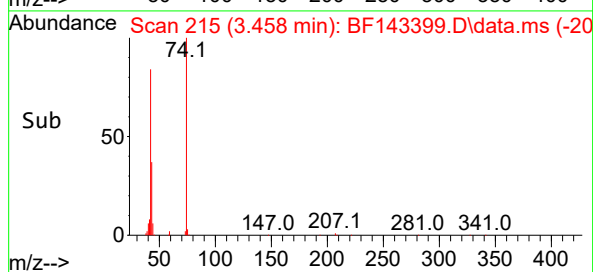
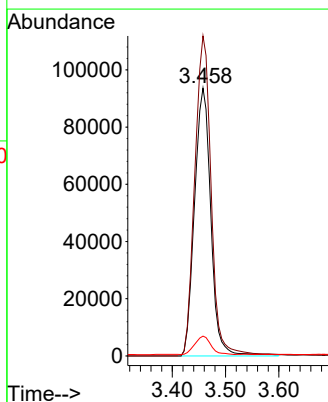
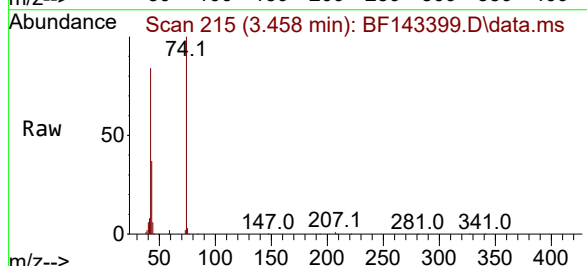
Tgt Ion: 42 Resp: 199433

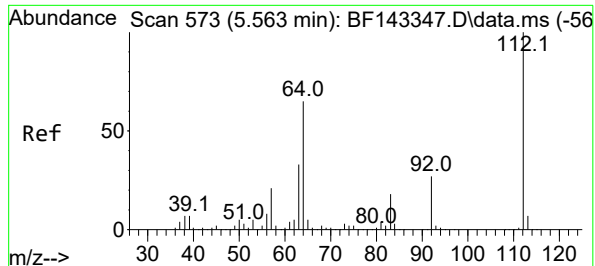
Ion Ratio Lower Upper

42 100

74 119.4 94.1 141.1

44 7.4 6.5 9.7





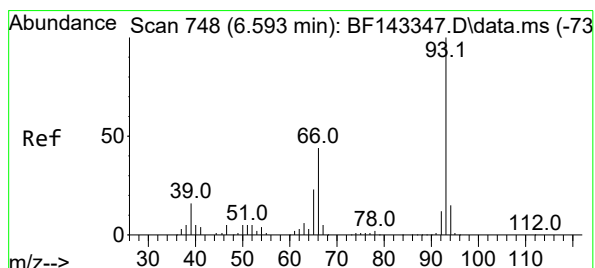
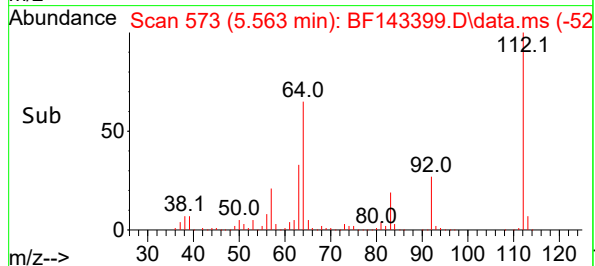
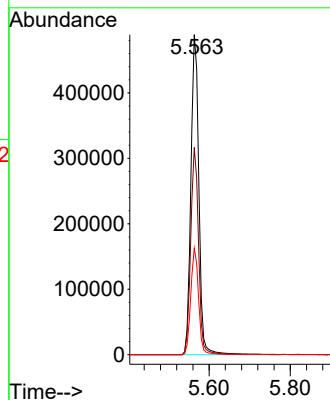
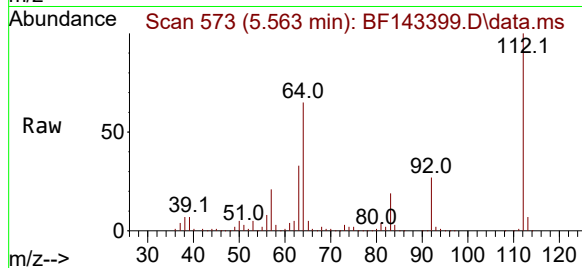
#5
2-Fluorophenol
Concen: 74.777 ng
RT: 5.563 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 666444
Ion Ratio Lower Upper
112 100
64 64.8 52.1 78.1
63 33.3 26.6 39.8

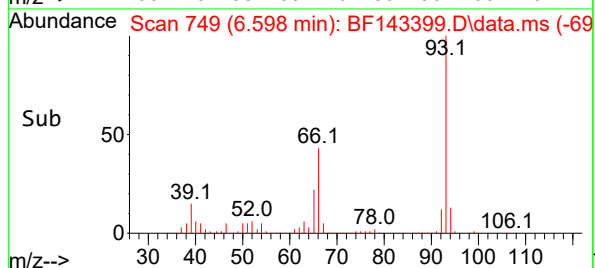
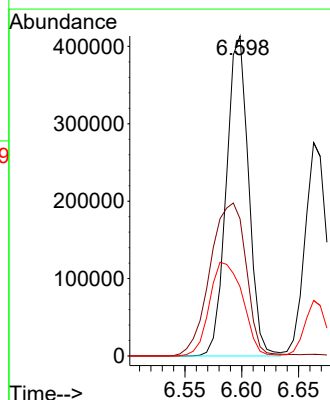
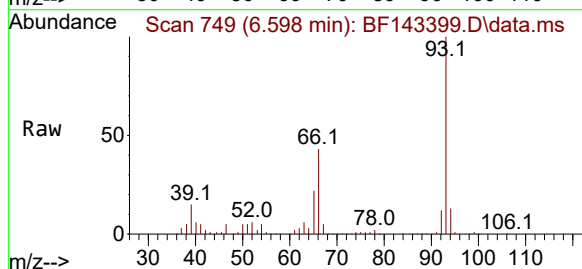
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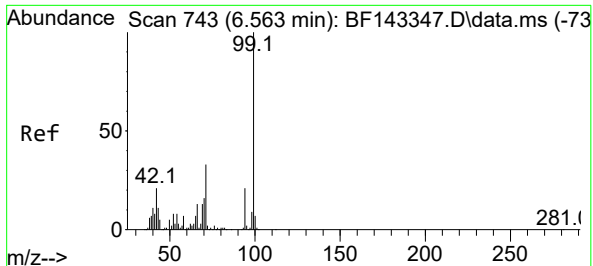
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#6
Aniline
Concen: 34.903 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

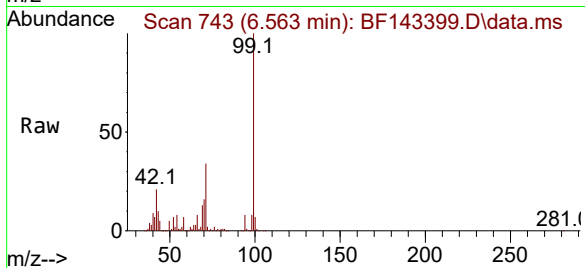
Tgt Ion: 93 Resp: 562376
Ion Ratio Lower Upper
93 100
66 42.8 35.3 52.9
65 21.6 18.2 27.4





#7
Phenol-d6
Concen: 71.476 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

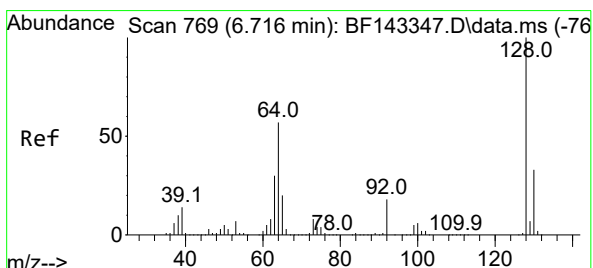
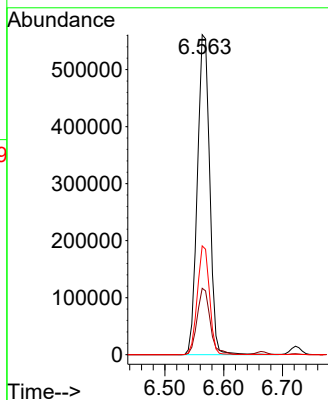
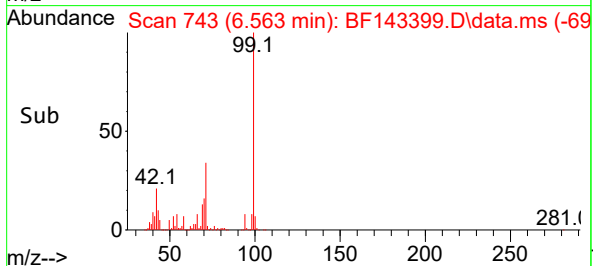
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



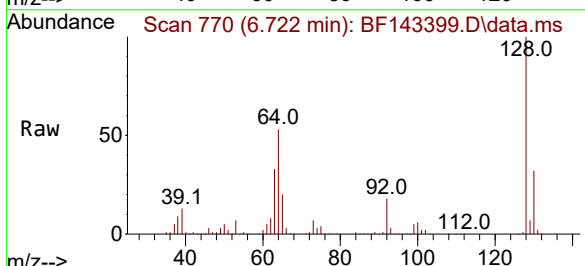
Tgt Ion: 99 Resp: 81690
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 34.0 26.2 39.2

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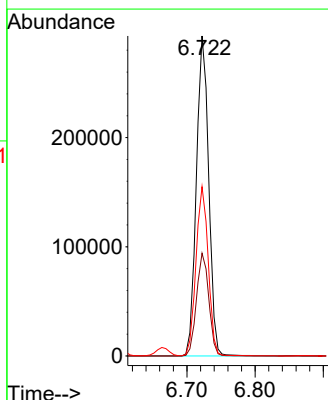
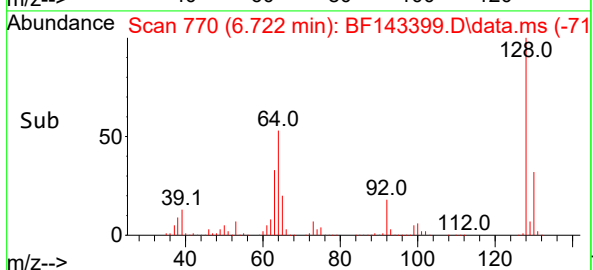
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

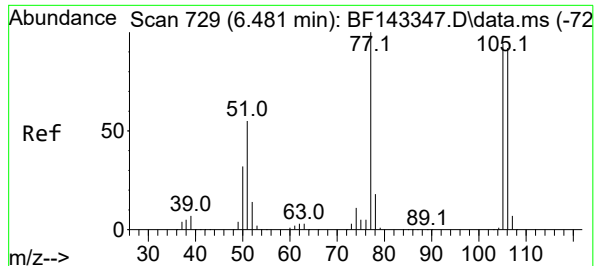


#8
2-Chlorophenol
Concen: 38.646 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



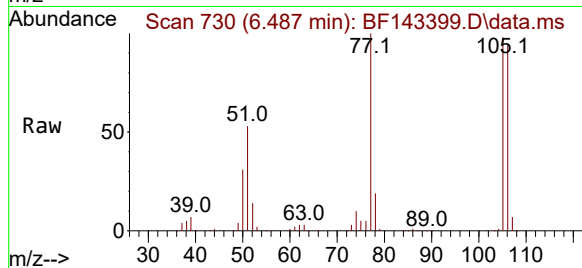
Tgt Ion:128 Resp: 368039
Ion Ratio Lower Upper
128 100
130 32.1 12.6 52.6
64 52.9 36.7 76.7





#9
Benzaldehyde
Concen: 32.775 ng
RT: 6.487 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

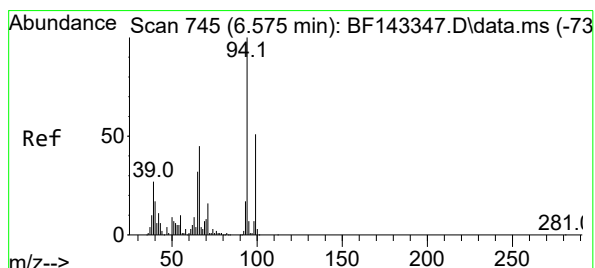
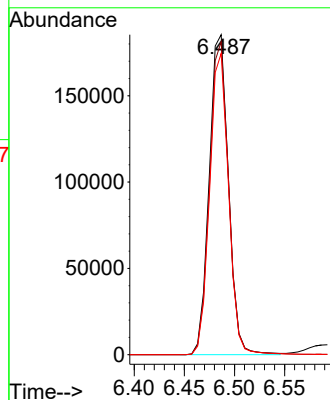
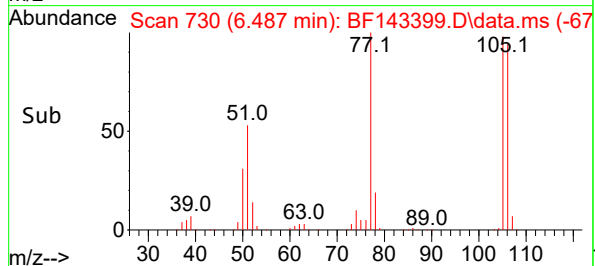
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



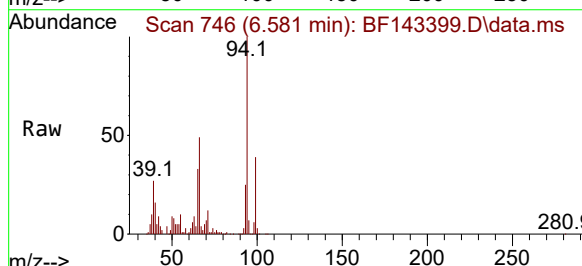
Tgt Ion: 77 Resp: 24758
Ion Ratio Lower Upper
77 100
105 97.8 74.2 114.2
106 94.2 72.2 112.2

Manual Integrations
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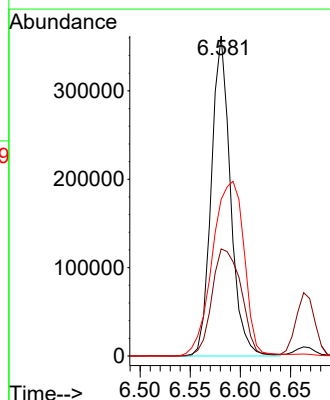
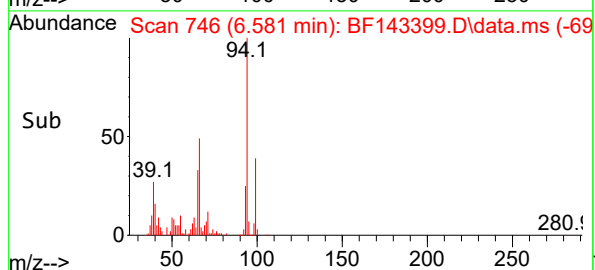
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

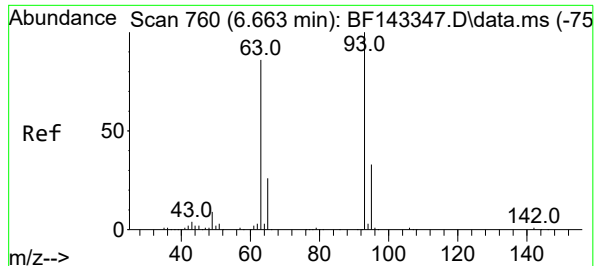


#10
Phenol
Concen: 35.572 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



Tgt Ion: 94 Resp: 481619
Ion Ratio Lower Upper
94 100
65 33.5 12.0 52.0
66 49.0 25.6 65.6





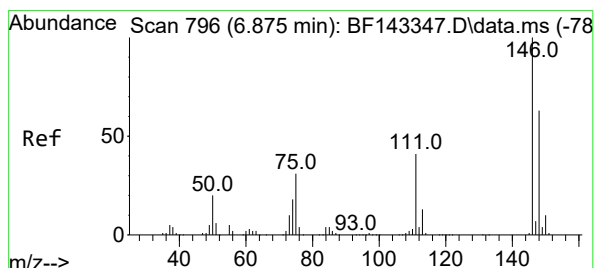
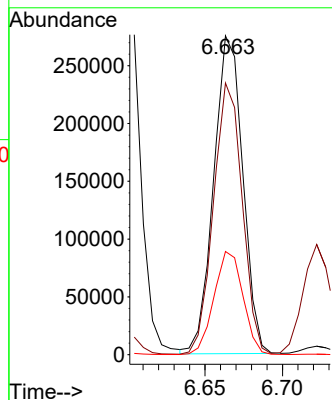
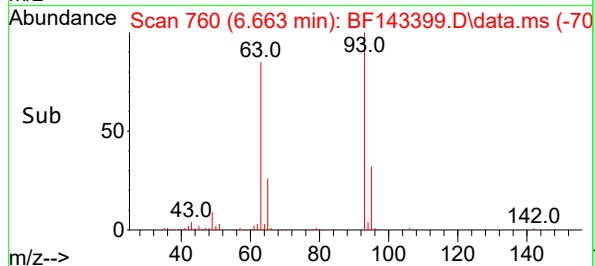
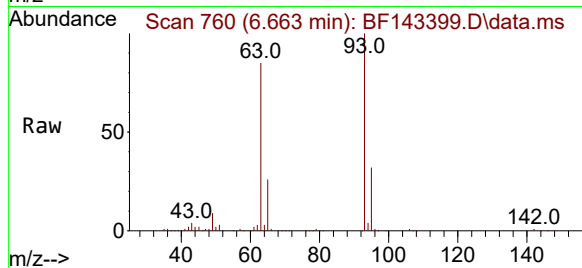
#11
bis(2-Chloroethyl)ether
Concen: 35.987 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 35910
Ion Ratio Lower Upper
93 100
63 85.2 65.7 105.7
95 32.4 13.0 53.0

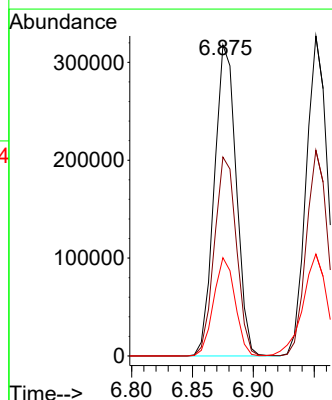
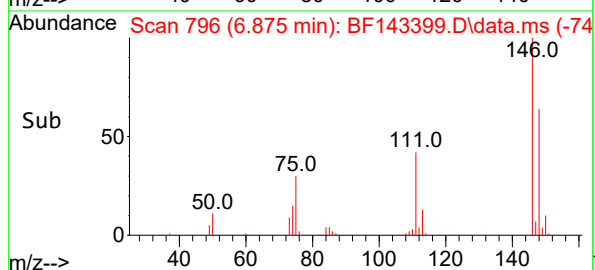
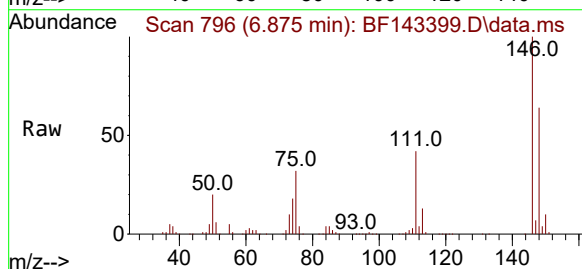
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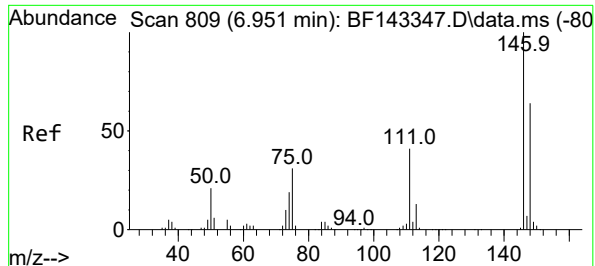
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#12
1,3-Dichlorobenzene
Concen: 36.378 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:146 Resp: 399589
Ion Ratio Lower Upper
146 100
148 64.0 50.5 75.7
75 31.6 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 36.389 ng

RT: 6.951 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 40117

Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.0

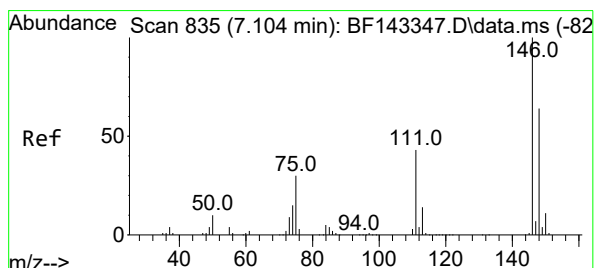
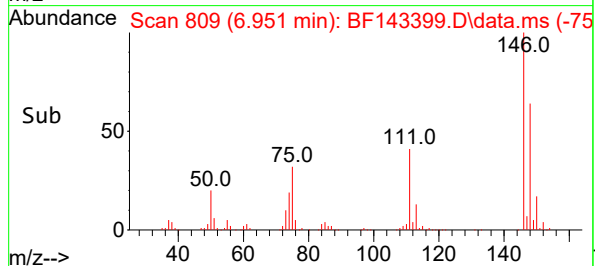
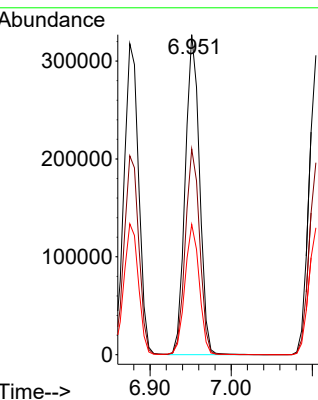
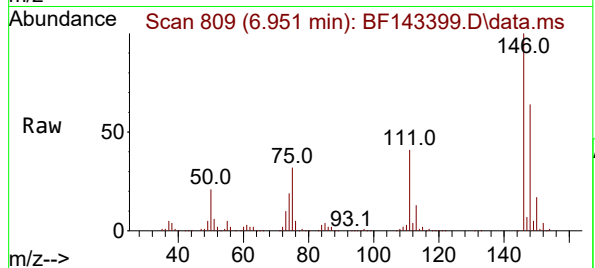
111 40.7 32.6 48.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#14

1,2-Dichlorobenzene

Concen: 36.325 ng

RT: 7.104 min Scan# 835

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

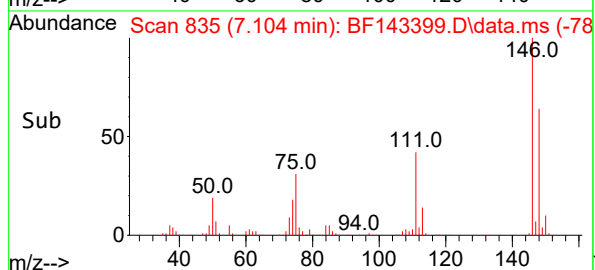
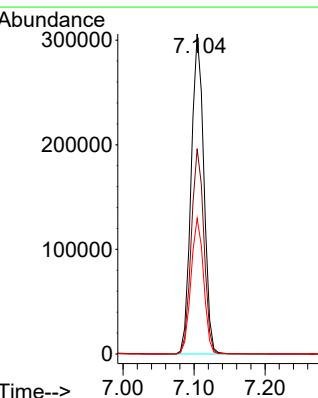
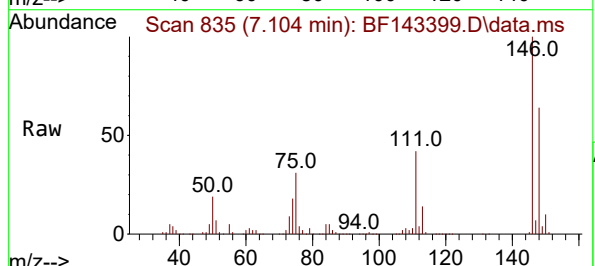
Tgt Ion:146 Resp: 380149

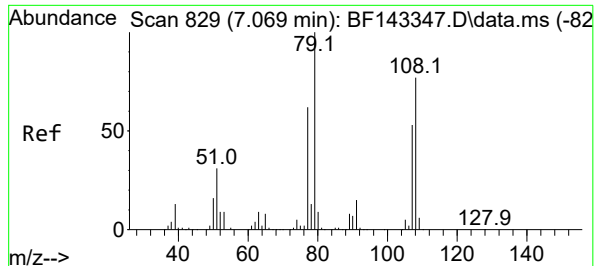
Ion Ratio Lower Upper

146 100

148 64.1 51.4 77.2

111 42.4 34.1 51.1





#15

Benzyl Alcohol

Concen: 37.031 ng

RT: 7.075 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 30337

Ion Ratio Lower Upper

79 100

108 77.2 61.5 92.3

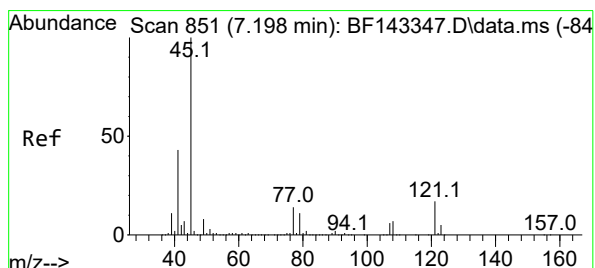
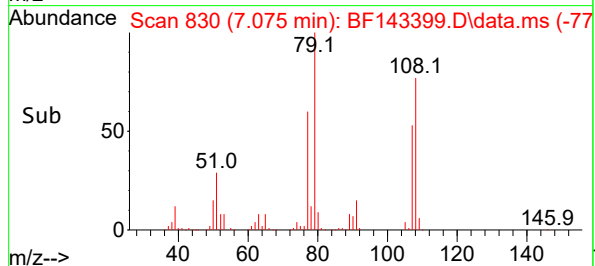
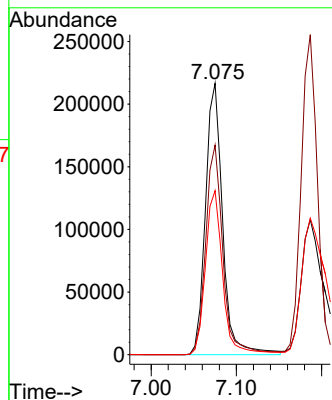
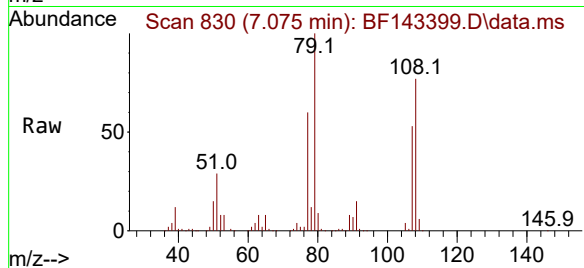
77 60.5 49.8 74.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#16

2,2'-oxybis(1-chloropropane)

Concen: 33.932 ng

RT: 7.204 min Scan# 852

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

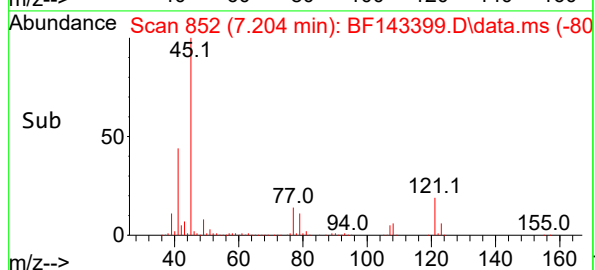
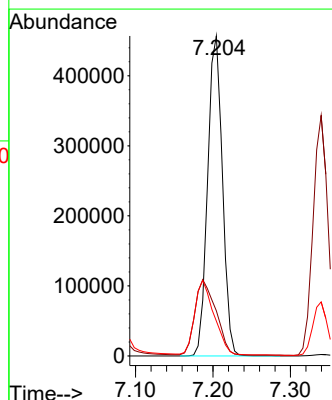
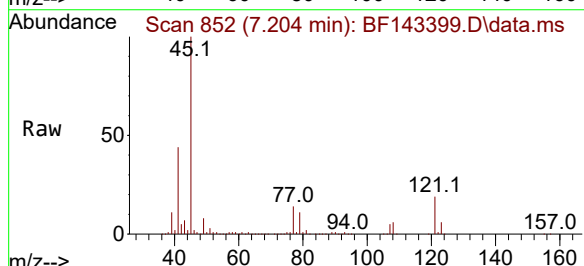
Tgt Ion: 45 Resp: 604495

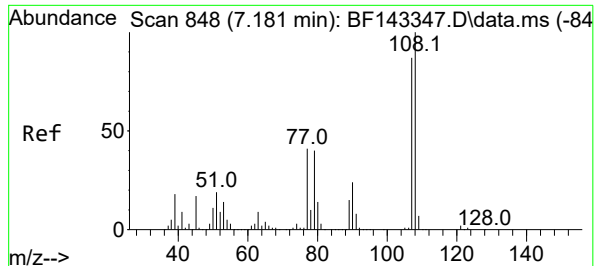
Ion Ratio Lower Upper

45 100

77 14.1 0.0 34.0

79 10.9 0.0 31.1





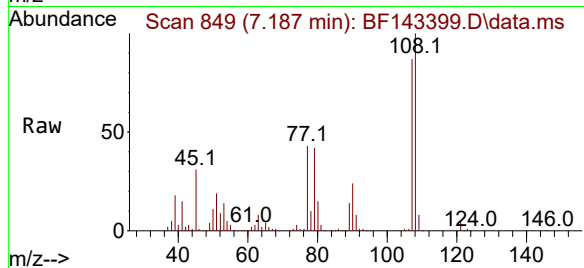
#17
2-Methylphenol
Concen: 37.170 ng
RT: 7.187 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

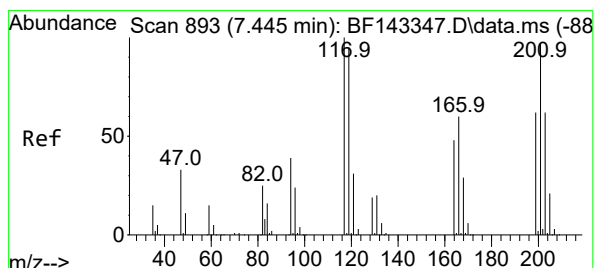
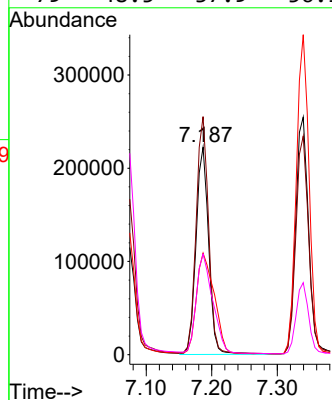
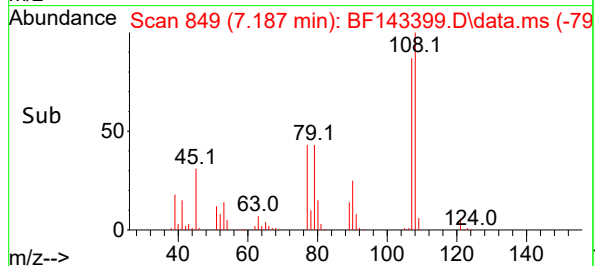


Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.7	92.0	138.0
77	48.9	38.2	57.2
79	48.5	37.9	56.9

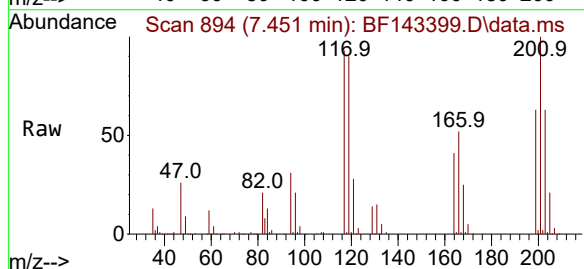
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Reviewed By :Rahul Chavli 08/15/2025

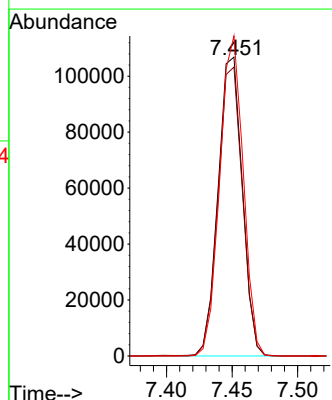
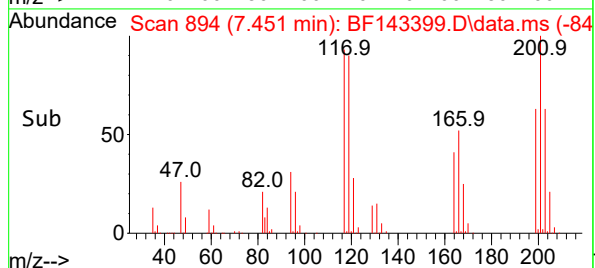
Supervised By :Jagrut Upadhyay 08/15/2025

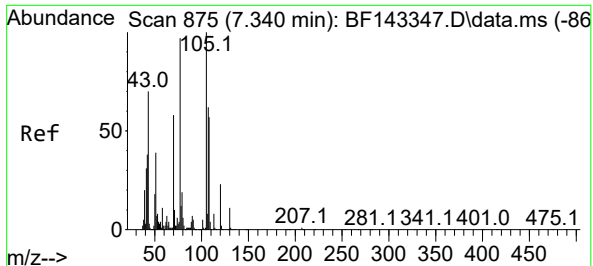


#18
Hexachloroethane
Concen: 39.741 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.8
201	107.1	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 34.078 ng

RT: 7.345 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143399.D

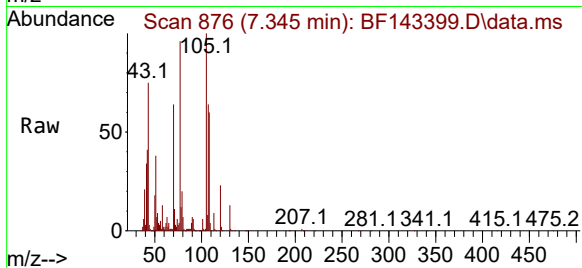
Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 240660

Ion Ratio Lower Upper

70 100

42 63.6 51.6 77.4

101 9.9 7.5 11.3

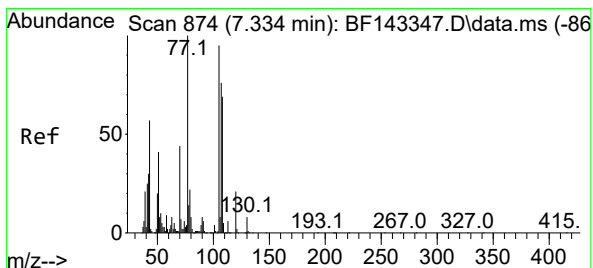
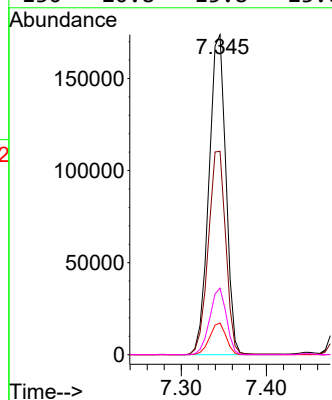
130 20.8 15.8 23.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#20

3+4-Methylphenols

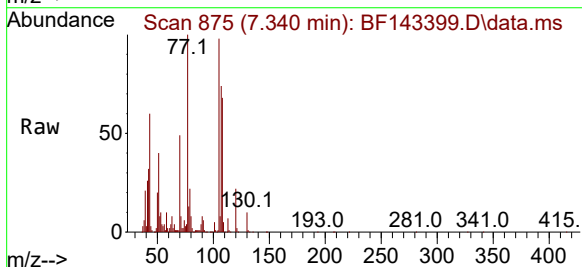
Concen: 36.093 ng

RT: 7.340 min Scan# 875

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54



Tgt Ion:107 Resp: 350891

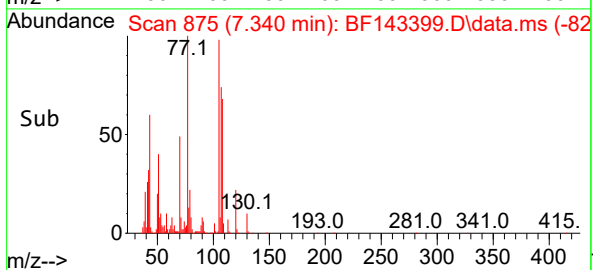
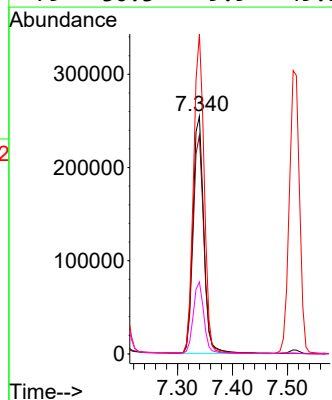
Ion Ratio Lower Upper

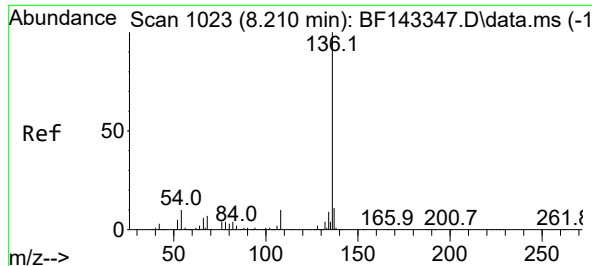
107 100

108 91.9 70.6 110.6

77 134.6 112.0 152.0

79 30.3 9.9 49.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.216 min Scan# 1023

Delta R.T. 0.006 min

Lab File: BF143399.D

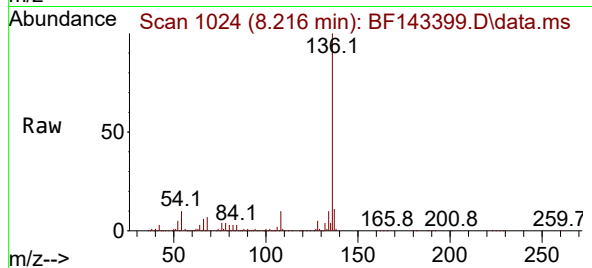
Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 58555

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.6 8.4 12.6

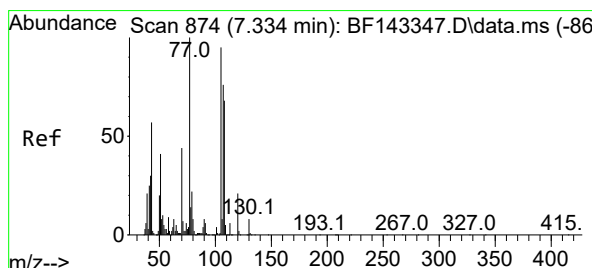
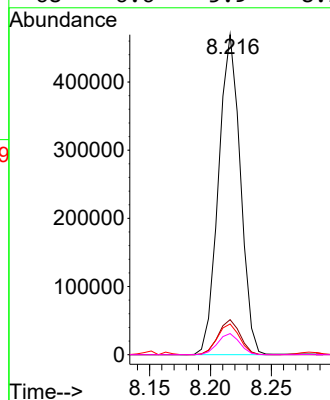
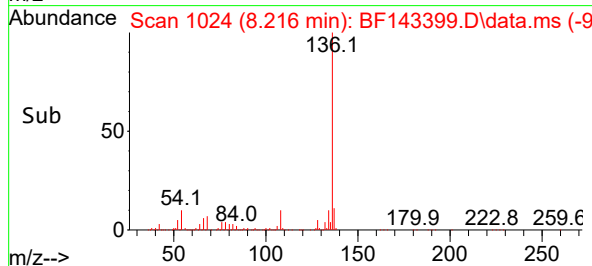
68 6.6 5.9 8.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#22

Acetophenone

Concen: 34.939 ng

RT: 7.340 min Scan# 875

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Tgt Ion:105 Resp: 450772

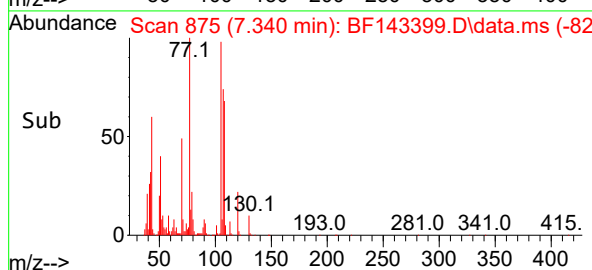
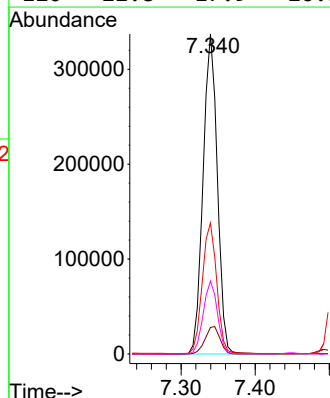
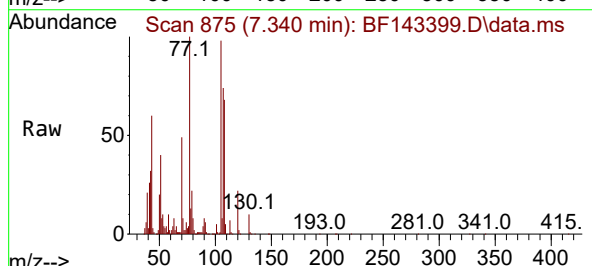
Ion Ratio Lower Upper

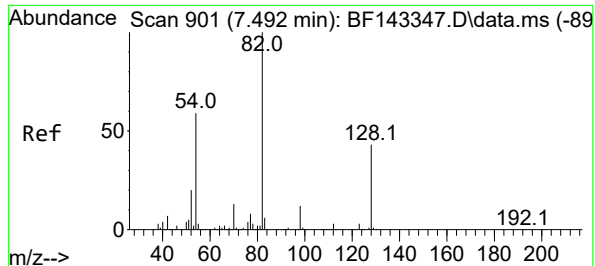
105 100

71 8.3 6.2 9.4

51 41.0 34.8 52.2

120 22.8 17.9 26.9





#23

Nitrobenzene-d5

Concen: 78.460 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 73776

Ion Ratio Lower Upper

82 100

128 43.8 33.5 50.3

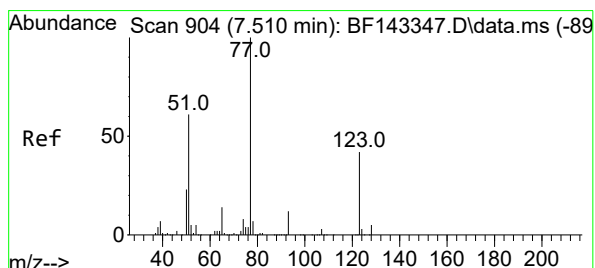
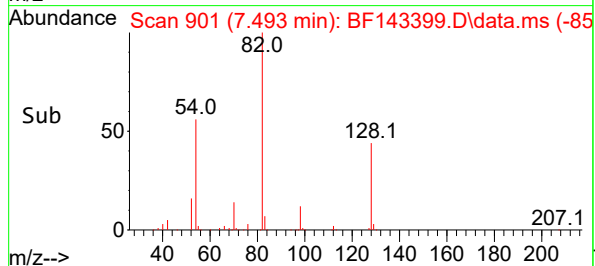
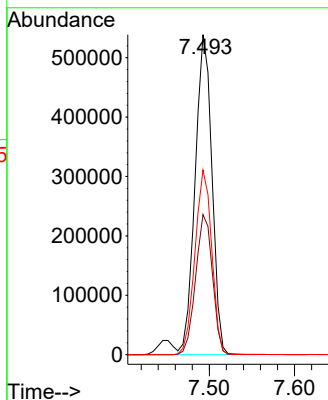
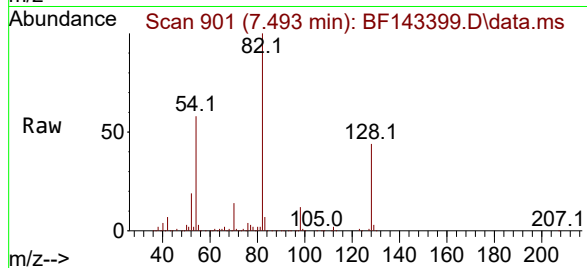
54 57.7 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#24

Nitrobenzene

Concen: 38.363 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

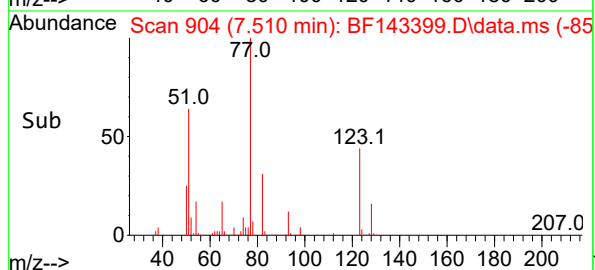
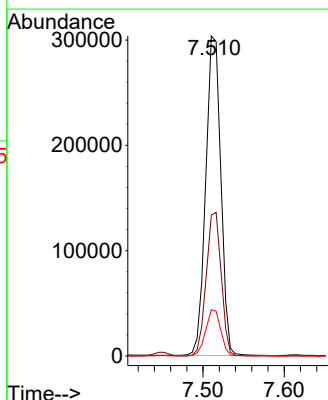
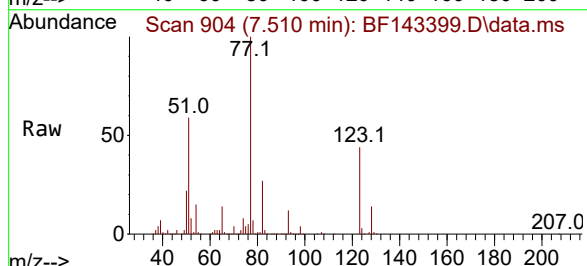
Tgt Ion: 77 Resp: 391763

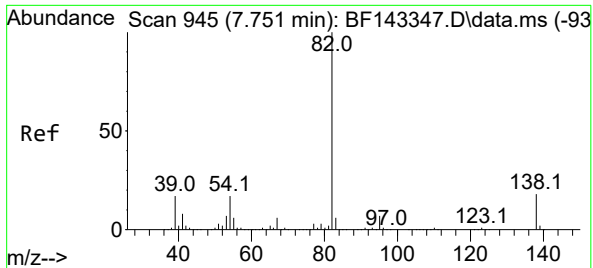
Ion Ratio Lower Upper

77 100

123 44.1 34.8 52.2

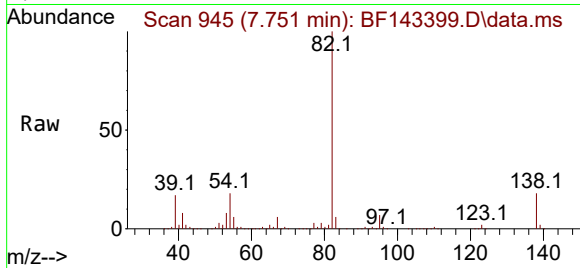
65 14.5 11.0 16.6





#25
Isophorone
Concen: 35.375 ng
RT: 7.751 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

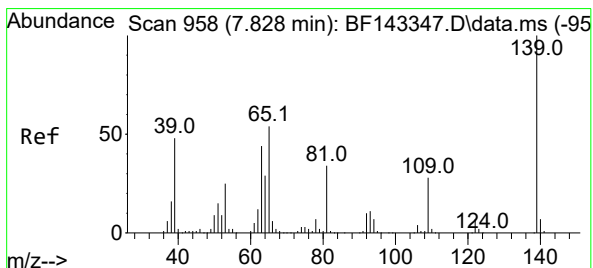
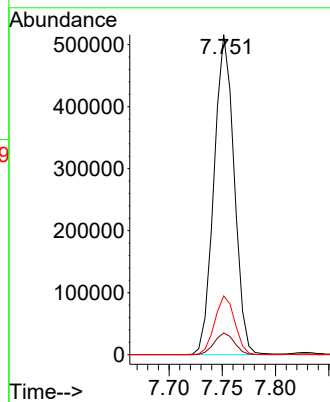
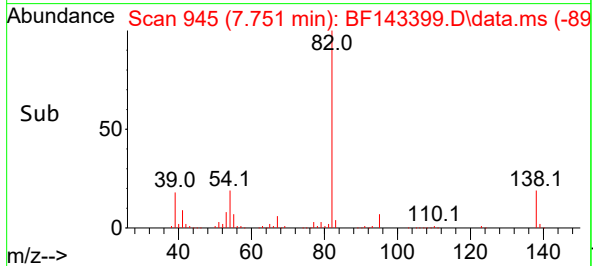
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



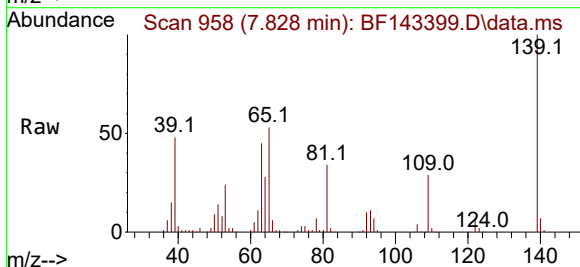
Tgt Ion: 82 Resp: 67905
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 18.3 14.6 21.8

Manual Integrations
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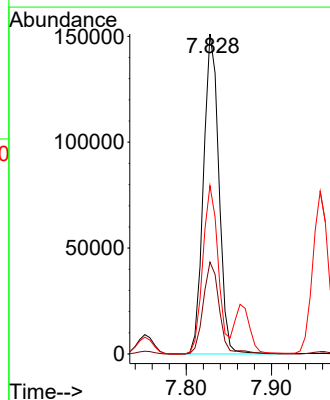
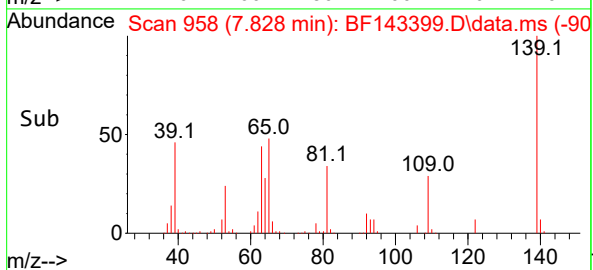
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

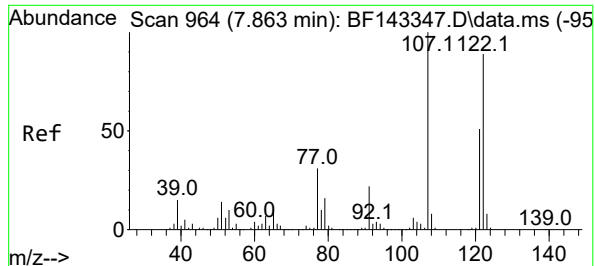


#26
2-Nitrophenol
Concen: 46.487 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



Tgt Ion:139 Resp: 189734
Ion Ratio Lower Upper
139 100
109 28.7 22.4 33.6
65 52.6 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 38.079 ng m

RT: 7.863 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

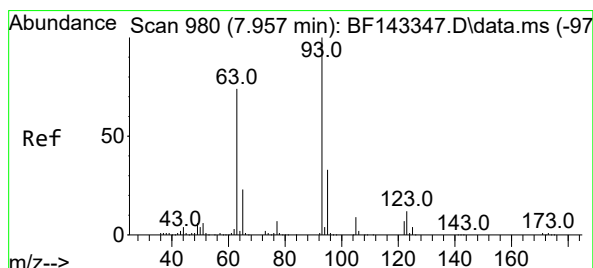
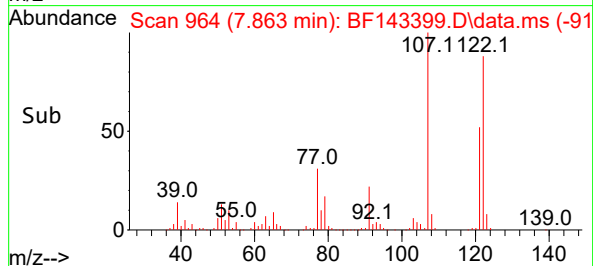
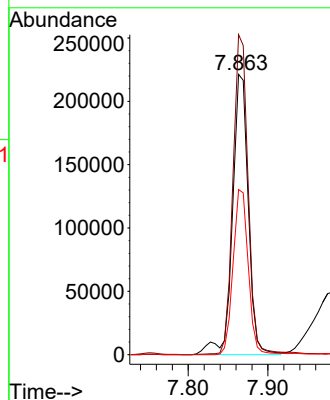
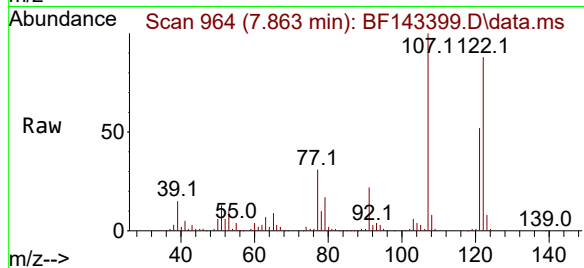
Tgt Ion:122 Resp: 30495

Ion	Ratio	Lower	Upper
122	100		
107	114.2	89.9	134.9
121	58.9	46.2	69.4

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 36.367 ng

RT: 7.957 min Scan# 980

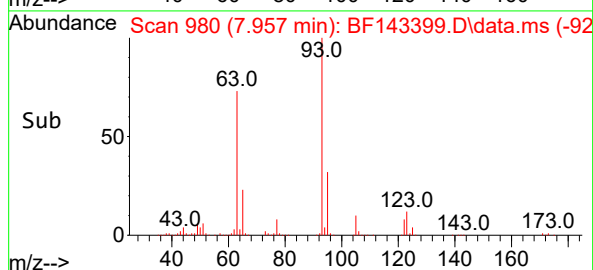
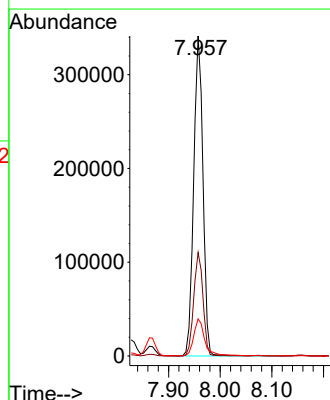
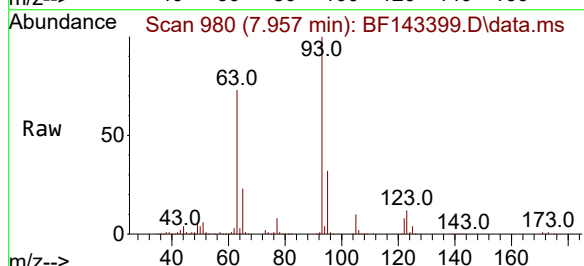
Delta R.T. 0.000 min

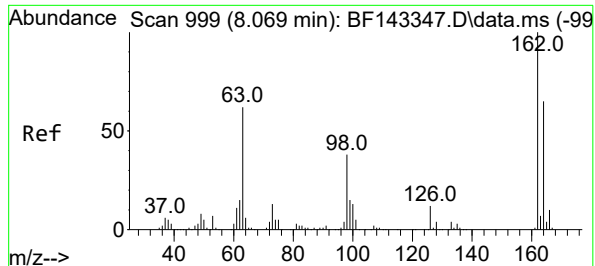
Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Tgt Ion: 93 Resp: 426215

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.6	9.4	14.2





#29

2,4-Dichlorophenol

Concen: 39.458 ng

RT: 8.075 min Scan# 1000

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 30863

Ion Ratio Lower Upper

162 100

164 63.8 44.5 84.5

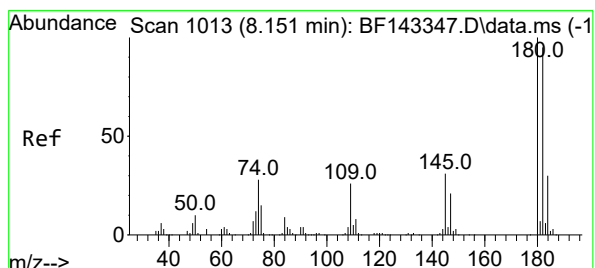
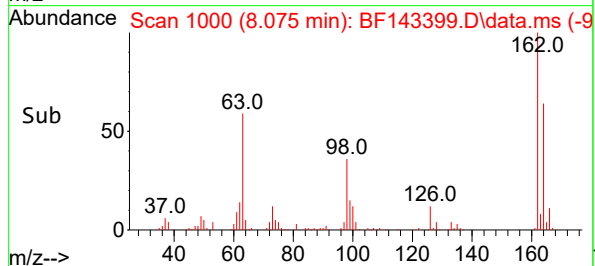
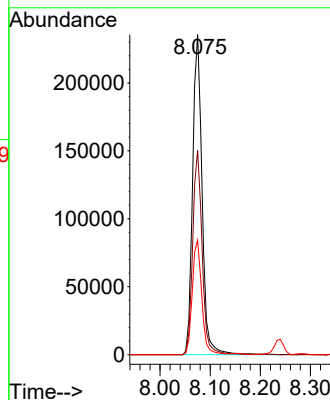
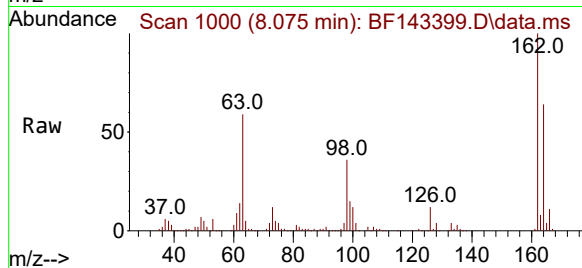
98 35.8 17.7 57.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#30

1,2,4-Trichlorobenzene

Concen: 37.571 ng

RT: 8.157 min Scan# 1014

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

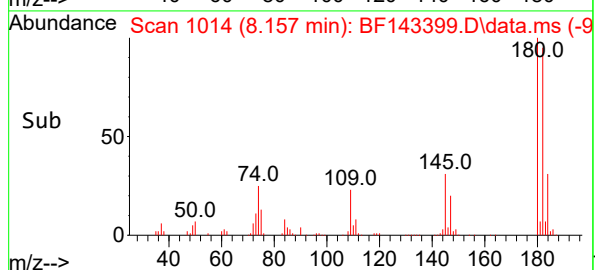
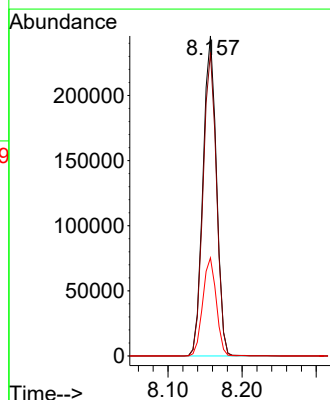
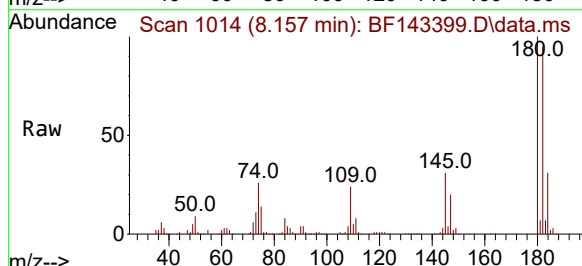
Tgt Ion:180 Resp: 309994

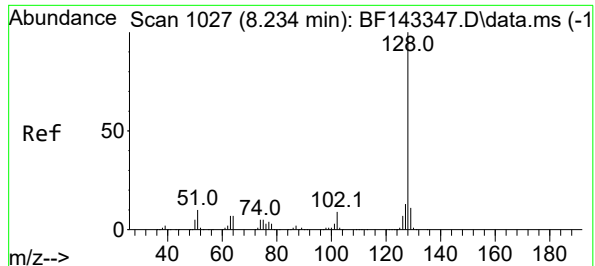
Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

145 30.7 24.9 37.3





#31

Naphthalene

Concen: 36.045 ng

RT: 8.240 min Scan# 1027

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 1015610

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

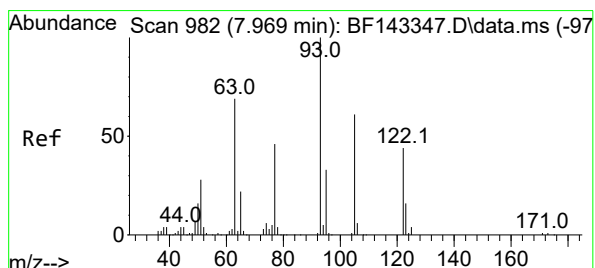
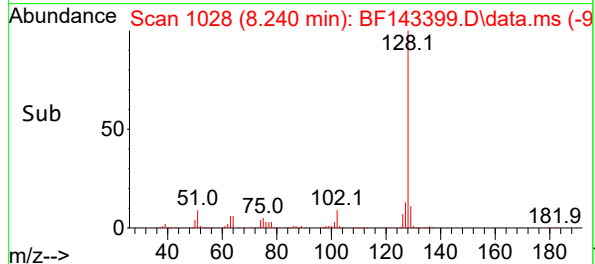
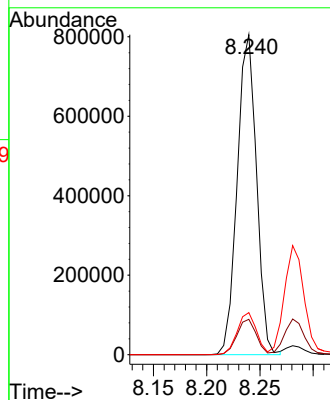
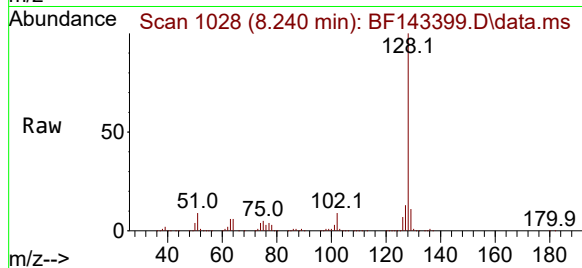
127 13.2 10.7 16.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#32

Benzoic acid

Concen: 44.034 ng

RT: 7.981 min Scan# 984

Delta R.T. 0.012 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

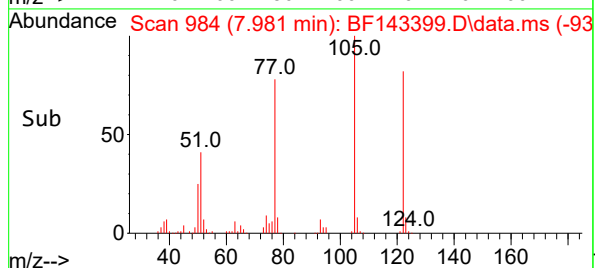
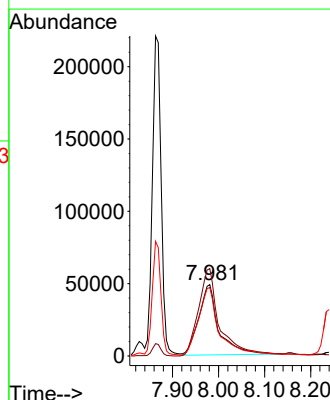
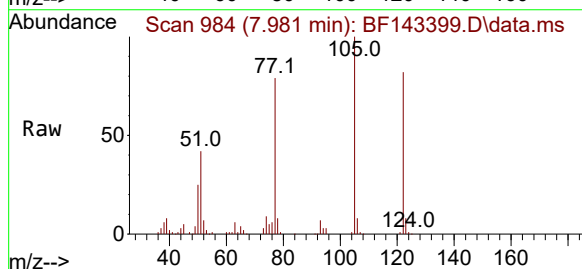
Tgt Ion:122 Resp: 148637

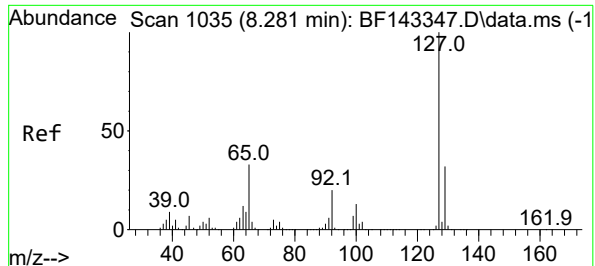
Ion Ratio Lower Upper

122 100

105 122.3 106.4 146.4

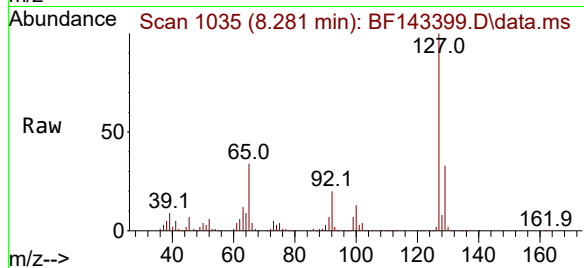
77 96.1 79.2 119.2





#33
4-Chloroaniline
Concen: 36.342 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

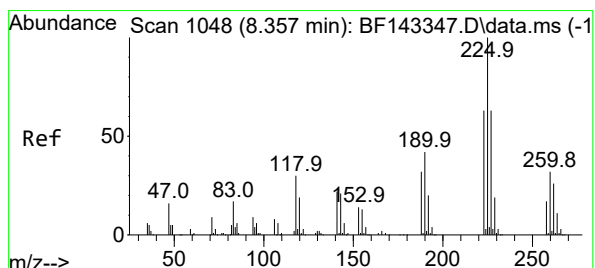
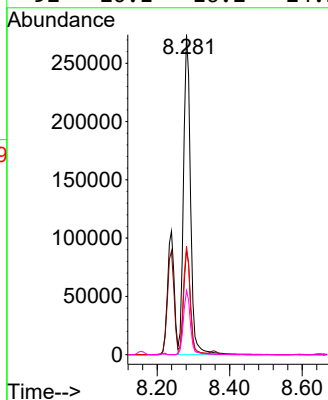
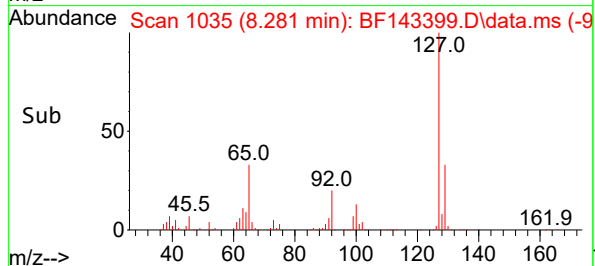
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



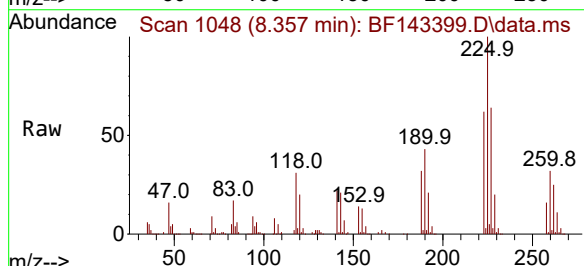
Tgt Ion:127 Resp: 369334
Ion Ratio Lower Upper
127 100
129 32.7 26.0 39.0
65 33.9 27.0 40.4
92 20.1 16.2 24.2

Manual Integrations
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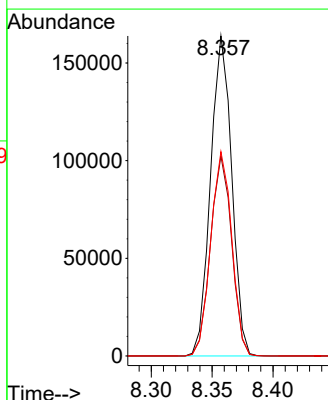
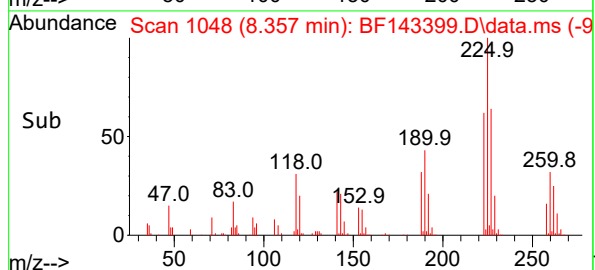
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

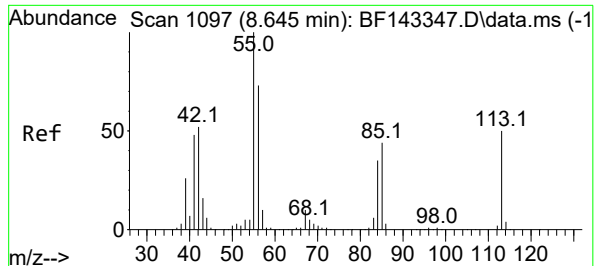


#34
Hexachlorobutadiene
Concen: 38.562 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



Tgt Ion:225 Resp: 197920
Ion Ratio Lower Upper
225 100
223 62.5 50.1 75.1
227 63.9 50.6 75.8





#35

Caprolactam

Concen: 39.416 ng

RT: 8.645 min Scan# 1097

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 86672

Ion Ratio Lower Upper

113 100

55 198.1 181.4 221.4

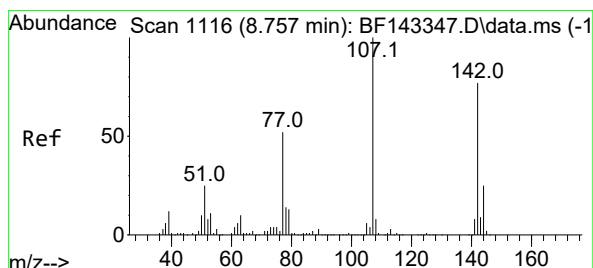
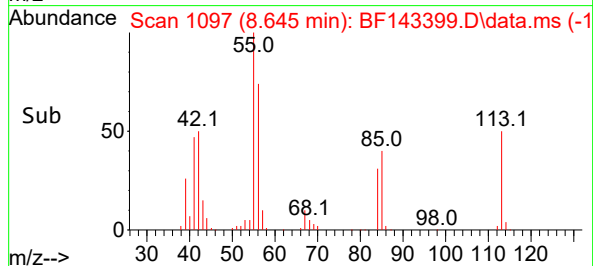
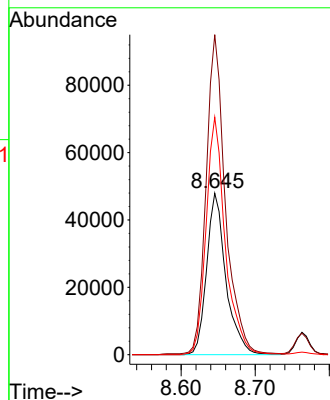
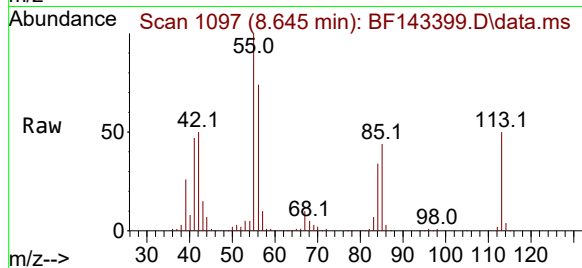
56 147.0 127.3 167.3

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#36

4-Chloro-3-methylphenol

Concen: 36.961 ng

RT: 8.763 min Scan# 1117

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

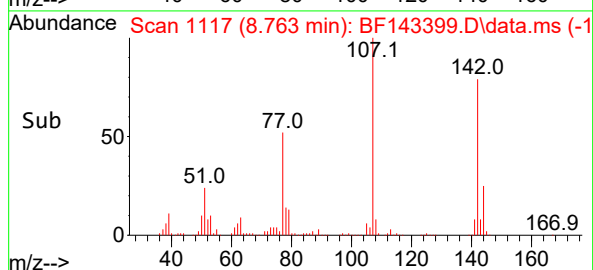
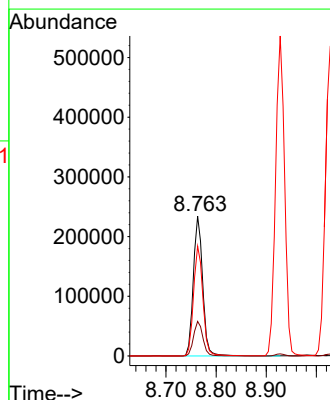
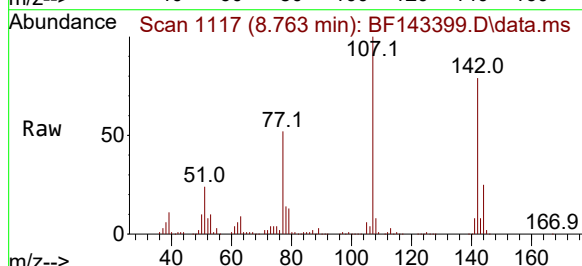
Tgt Ion:107 Resp: 303083

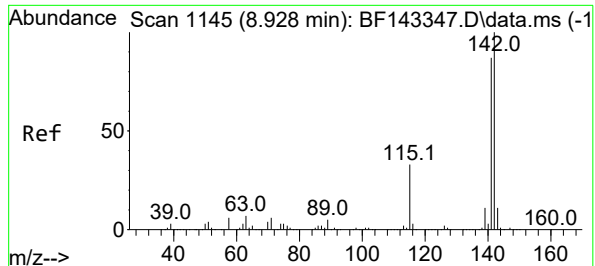
Ion Ratio Lower Upper

107 100

144 24.8 20.0 30.0

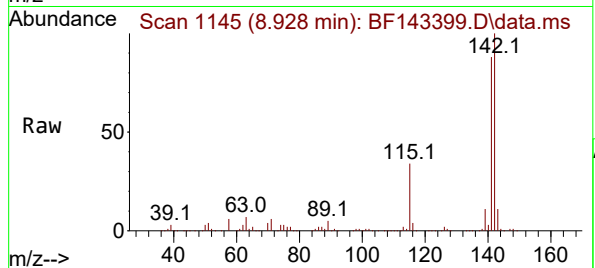
142 78.5 61.3 91.9





#37
2-Methylnaphthalene
Concen: 36.070 ng
RT: 8.928 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

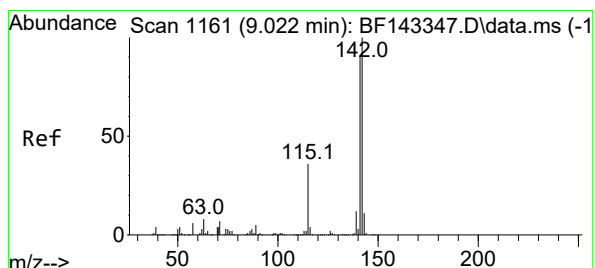
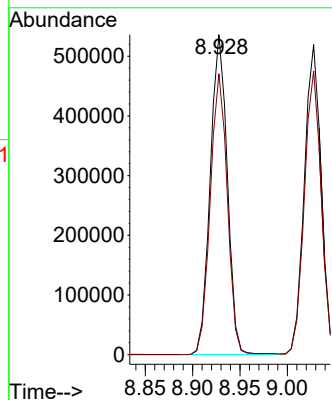
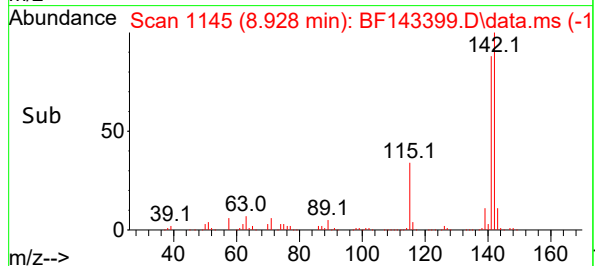
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:142 Resp: 668140
Ion Ratio Lower Upper
142 100
141 87.8 69.8 104.8

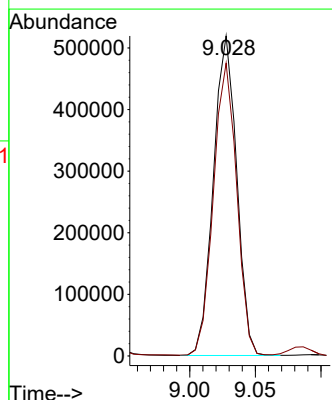
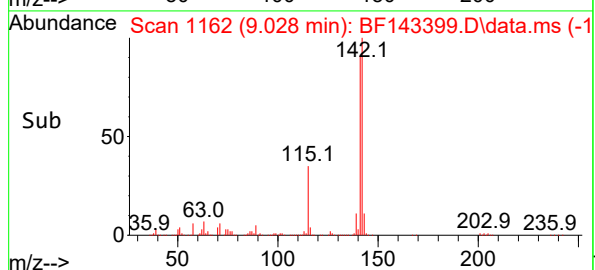
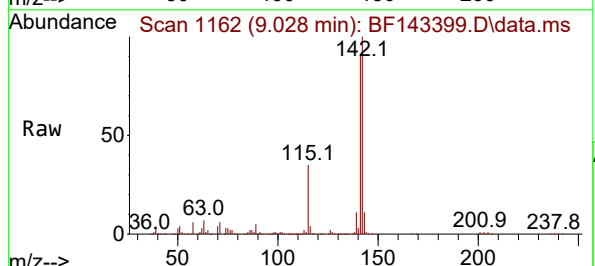
Manual Integrations
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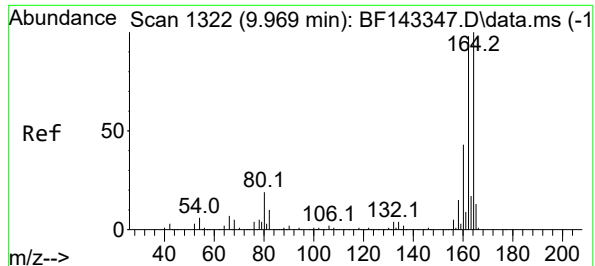
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#38
1-Methylnaphthalene
Concen: 35.896 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:142 Resp: 640396
Ion Ratio Lower Upper
142 100
141 91.5 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1174

Delta R.T. -0.000 min

Lab File: BF143399.D

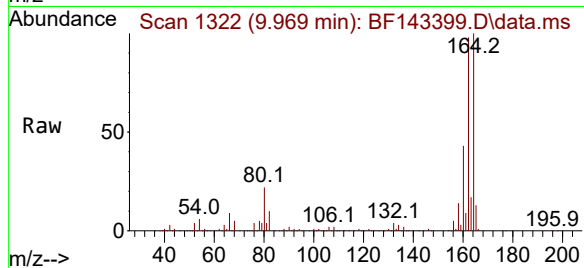
Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 307669

Ion Ratio Lower Upper

164 100

162 98.3 78.6 118.0

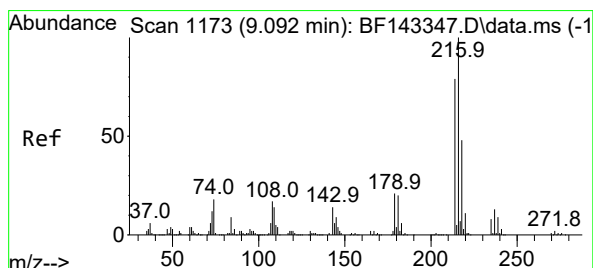
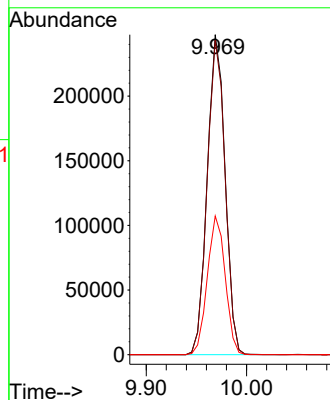
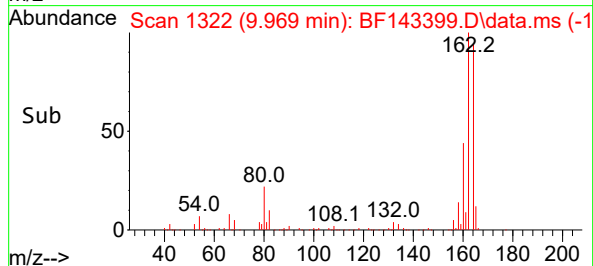
160 43.3 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#40

1,2,4,5-Tetrachlorobenzene

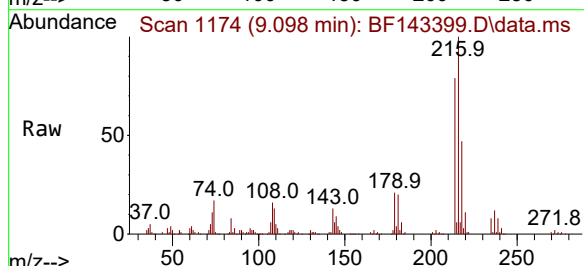
Concen: 37.276 ng

RT: 9.098 min Scan# 1174

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54



Tgt Ion:216 Resp: 313835

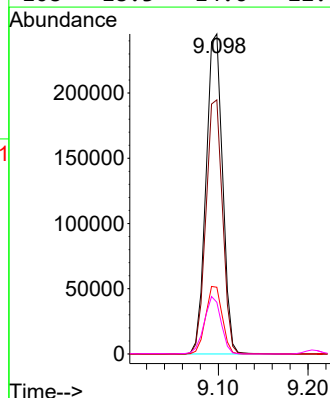
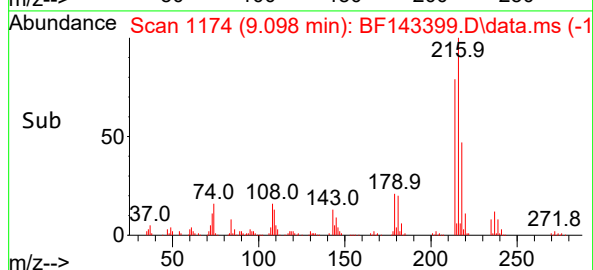
Ion Ratio Lower Upper

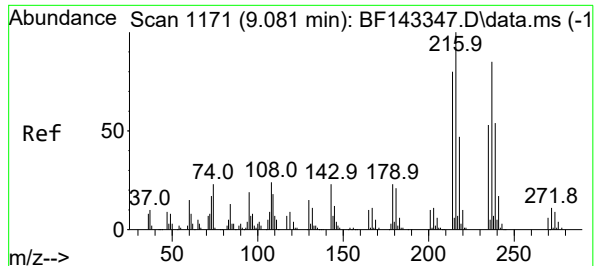
216 100

214 79.8 63.0 94.4

179 21.1 17.0 25.4

108 18.3 14.6 22.0





#41

Hexachlorocyclopentadiene

Concen: 52.784 ng

RT: 9.087 min Scan# 1171

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 14946

Ion Ratio Lower Upper

237 100

235 61.8 42.0 82.0

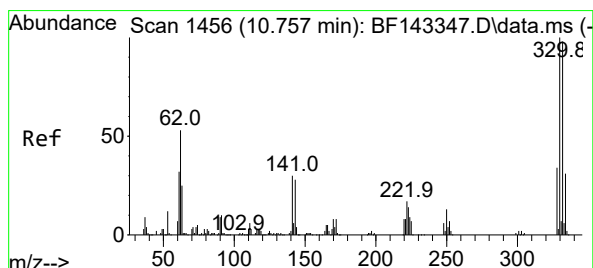
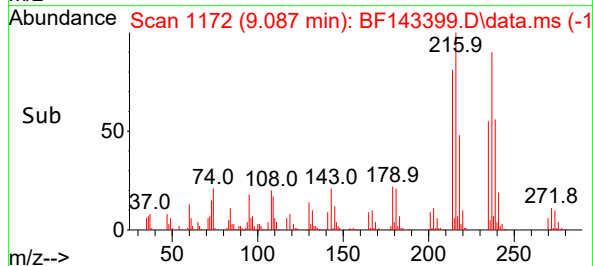
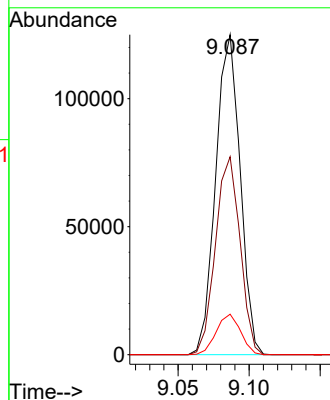
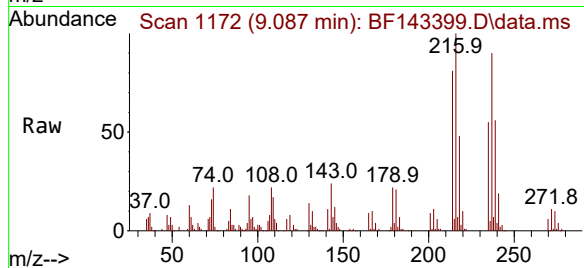
272 12.6 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#42

2,4,6-Tribromophenol

Concen: 86.257 ng

RT: 10.757 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

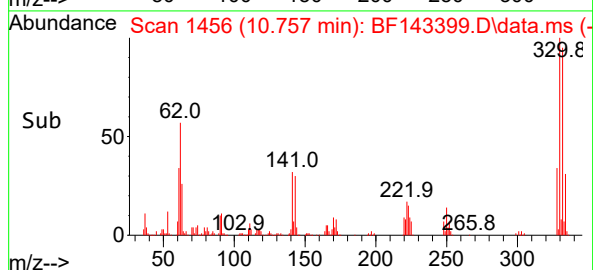
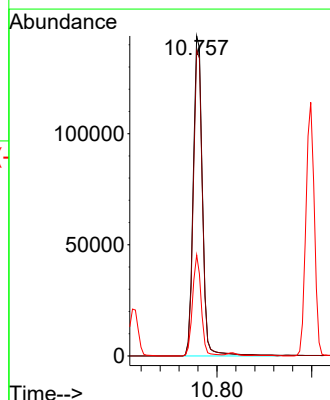
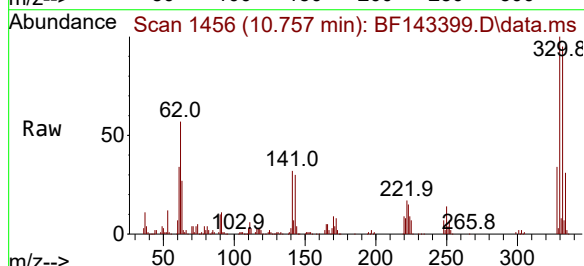
Tgt Ion:330 Resp: 193949

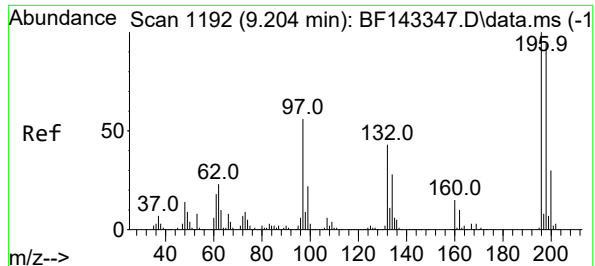
Ion Ratio Lower Upper

330 100

332 95.5 78.1 117.1

141 29.8 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 41.302 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143399.D

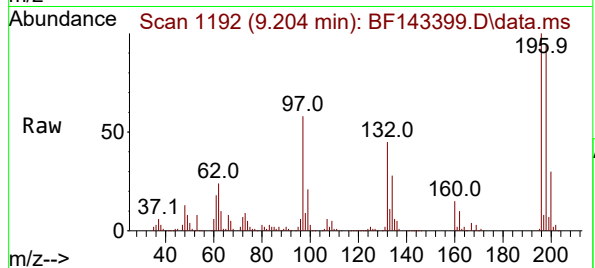
Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



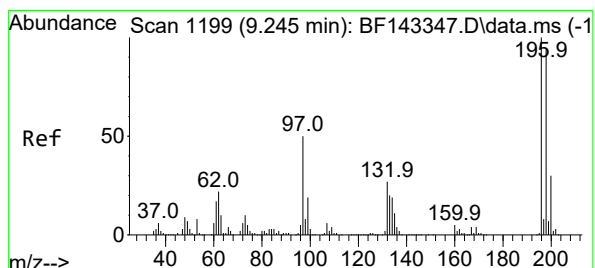
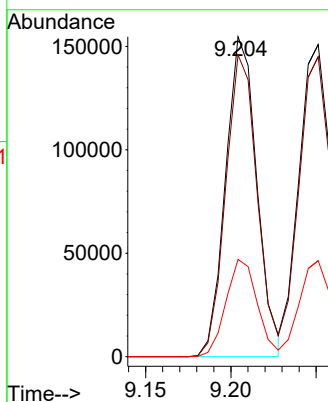
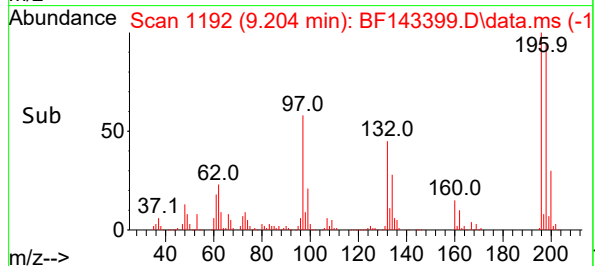
Tgt Ion:	196	Resp:	19729
Ion Ratio	Lower	Upper	
196	100		
198	94.3	75.4	113.0
200	30.4	24.3	36.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#44

2,4,5-Trichlorophenol

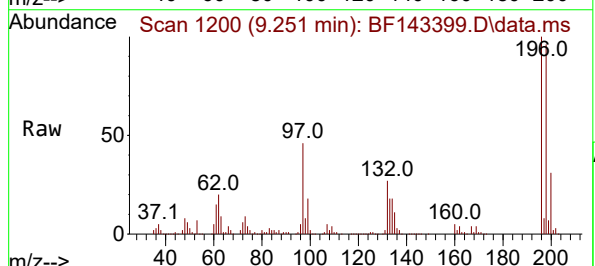
Concen: 39.752 ng

RT: 9.251 min Scan# 1200

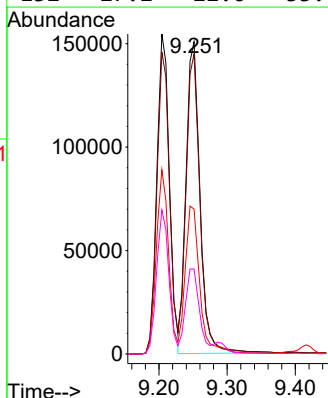
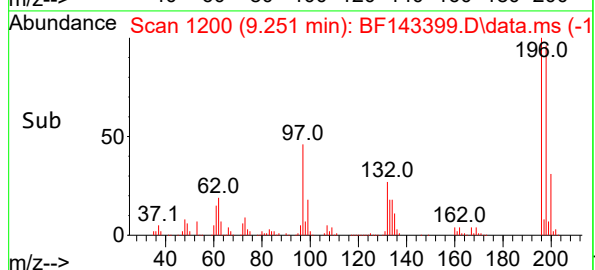
Delta R.T. 0.006 min

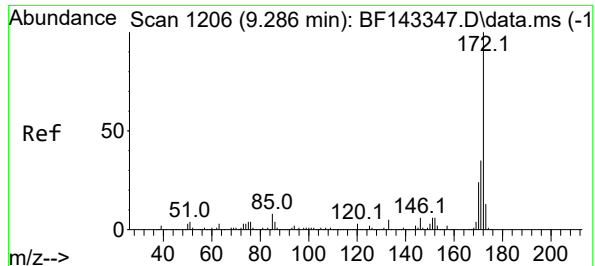
Lab File: BF143399.D

Acq: 15 Aug 2025 03:54



Tgt Ion:	196	Resp:	214438
Ion Ratio	Lower	Upper	
196	100		
198	96.1	75.4	113.2
97	46.4	39.9	59.9
132	27.2	22.6	33.8





#45

2-Fluorobiphenyl

Concen: 72.124 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 1308570

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

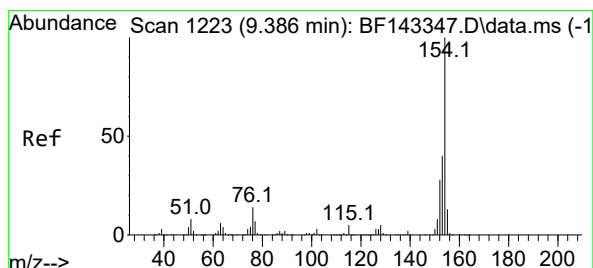
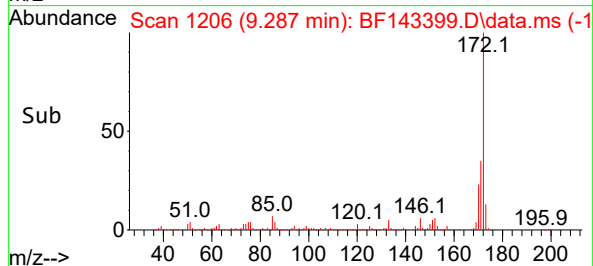
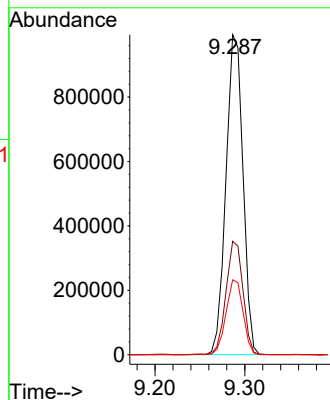
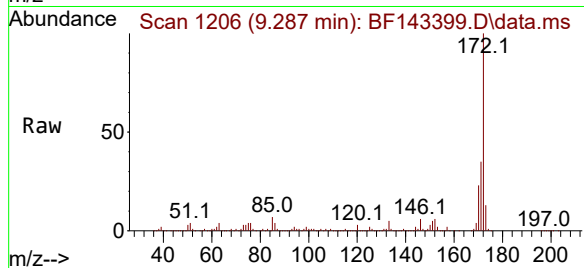
170 23.4 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#46

1,1'-Biphenyl

Concen: 36.146 ng

RT: 9.392 min Scan# 1224

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

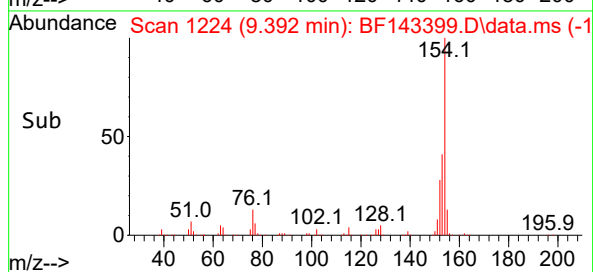
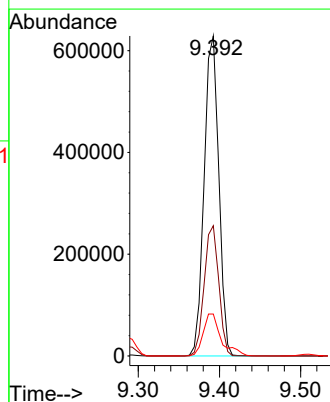
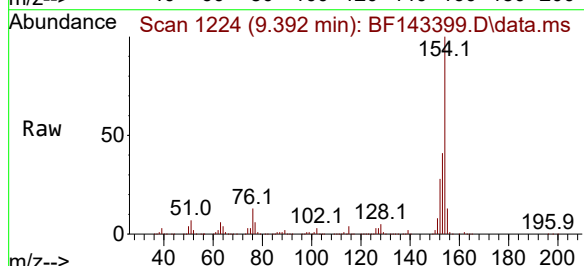
Tgt Ion:154 Resp: 786326

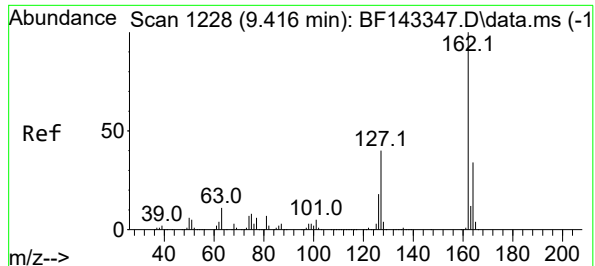
Ion Ratio Lower Upper

154 100

153 40.7 20.2 60.2

76 13.1 0.0 34.4





#47

2-Chloronaphthalene

Concen: 36.686 ng

RT: 9.416 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 628530

Ion Ratio Lower Upper

162 100

127 39.6 32.1 48.1

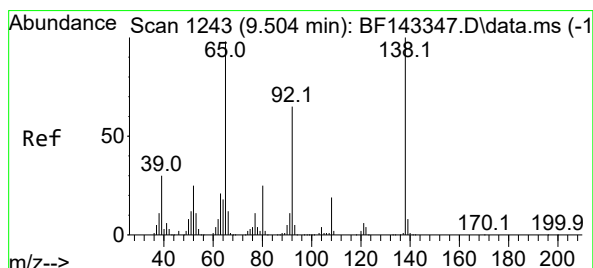
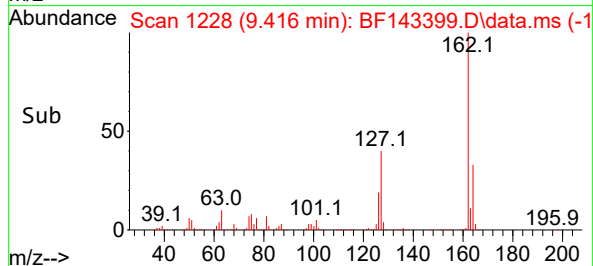
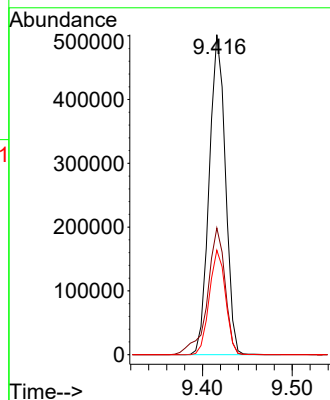
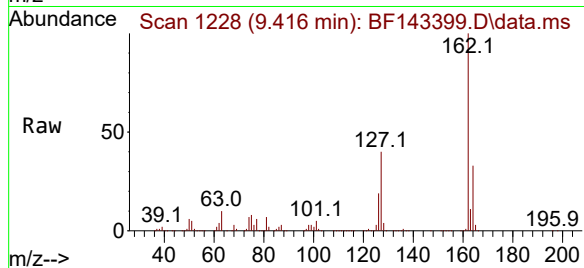
164 32.7 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#48

2-Nitroaniline

Concen: 39.015 ng

RT: 9.510 min Scan# 1244

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

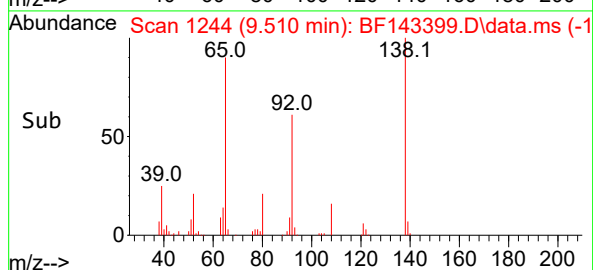
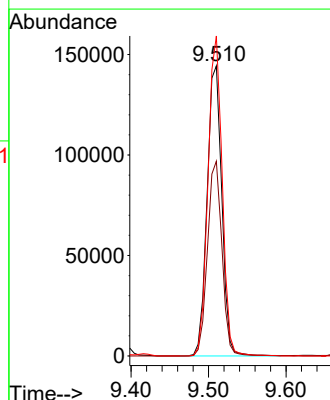
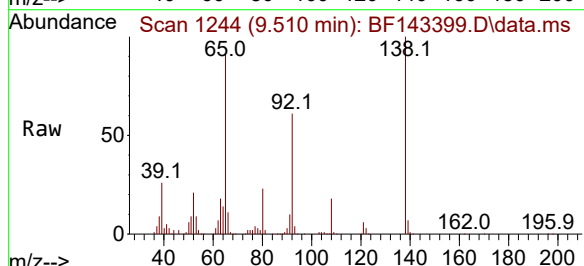
Tgt Ion: 65 Resp: 190071

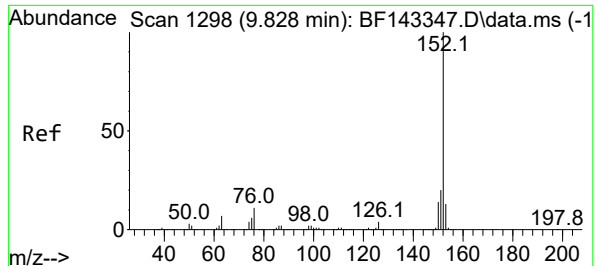
Ion Ratio Lower Upper

65 100

92 67.1 53.1 79.7

138 110.3 81.4 122.0





#49

Acenaphthylene

Concen: 36.320 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 89862

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

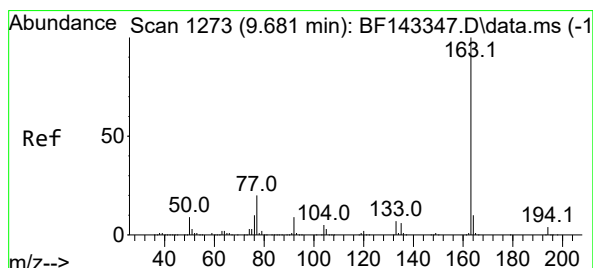
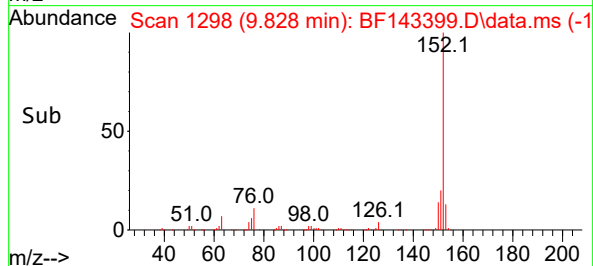
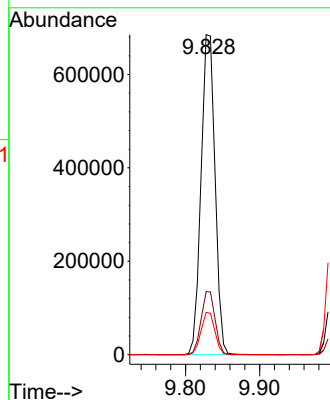
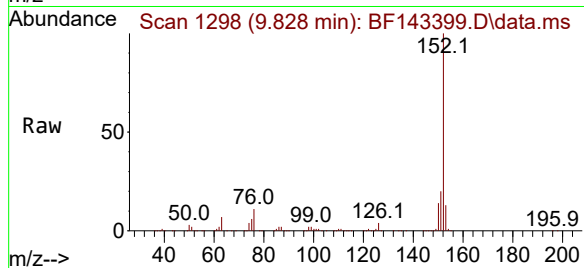
153 13.2 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#50

Dimethylphthalate

Concen: 37.964 ng

RT: 9.681 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

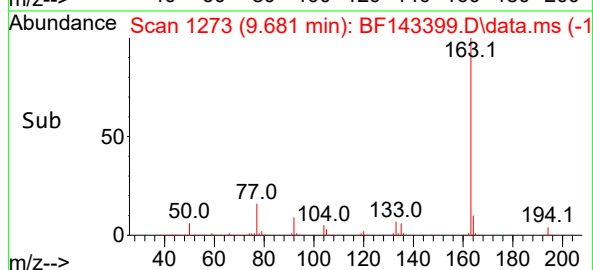
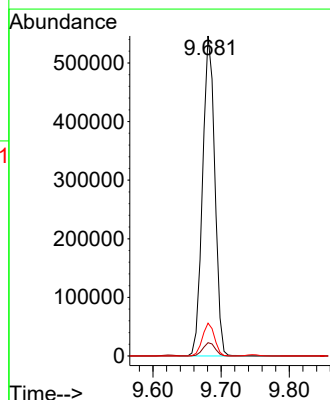
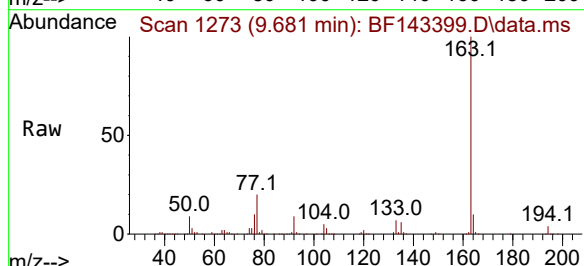
Tgt Ion:163 Resp: 682495

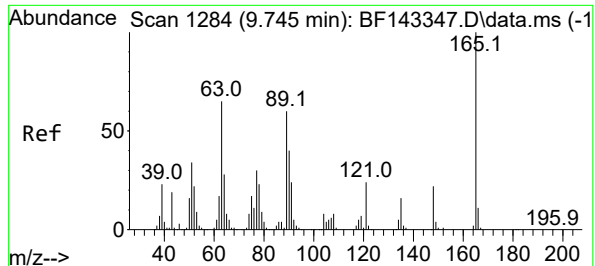
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

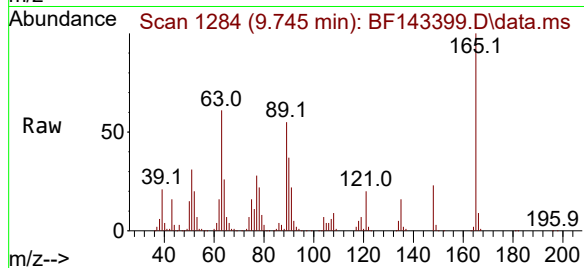
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 43.044 ng
RT: 9.745 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

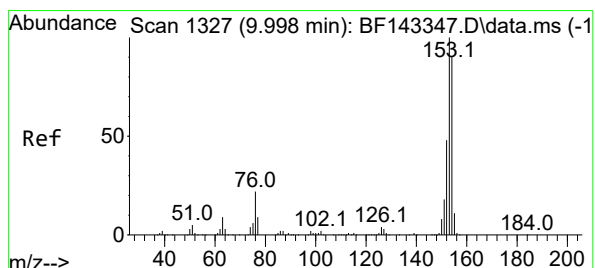
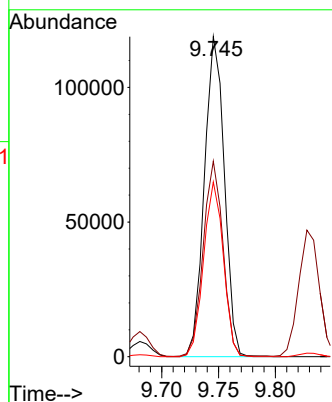
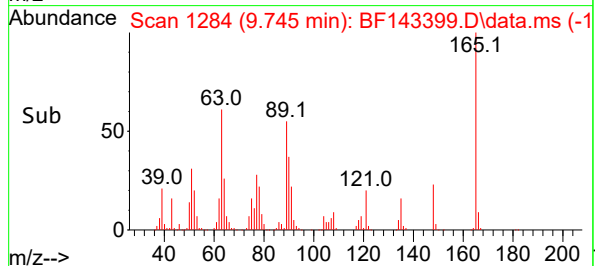
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



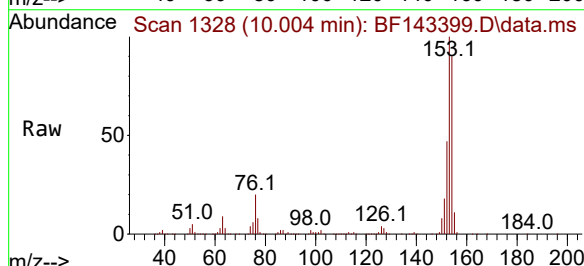
Tgt Ion:165 Resp: 145324
Ion Ratio Lower Upper
165 100
63 61.1 51.6 77.4
89 54.6 47.7 71.5

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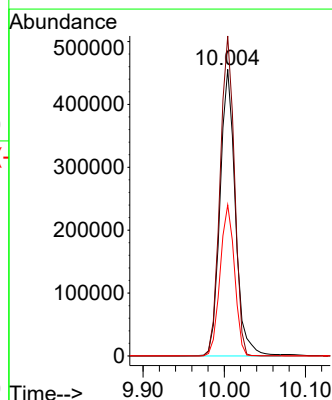
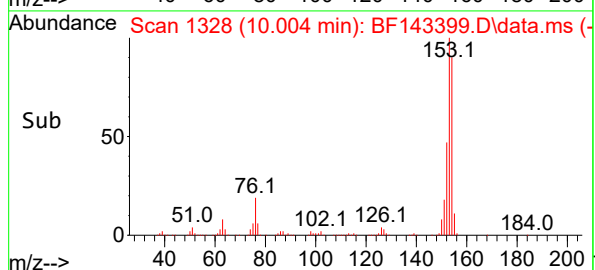
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

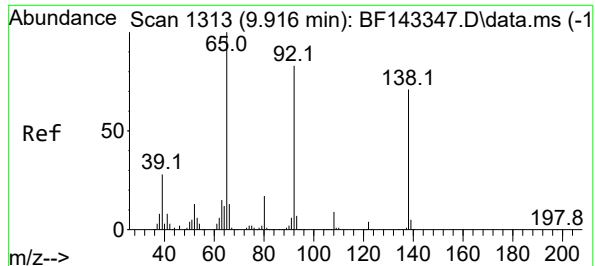


#52
Acenaphthene
Concen: 36.404 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



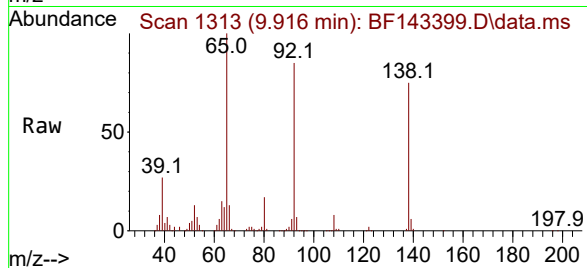
Tgt Ion:154 Resp: 598801
Ion Ratio Lower Upper
154 100
153 111.7 88.5 132.7
152 52.7 42.4 63.6





#53
3-Nitroaniline
Concen: 42.759 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

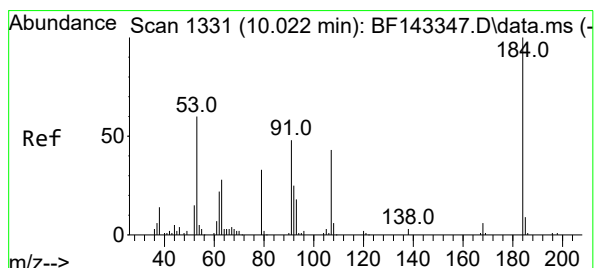
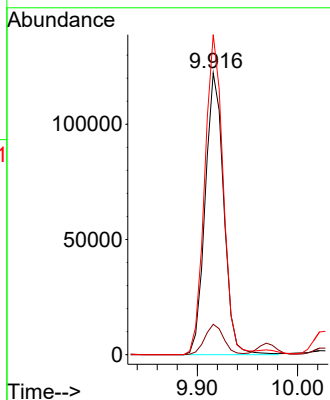
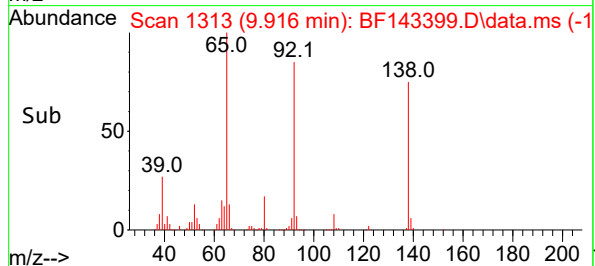
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:138 Resp: 157424
Ion Ratio Lower Upper
138 100
108 10.8 9.6 14.4
92 113.6 93.4 140.2

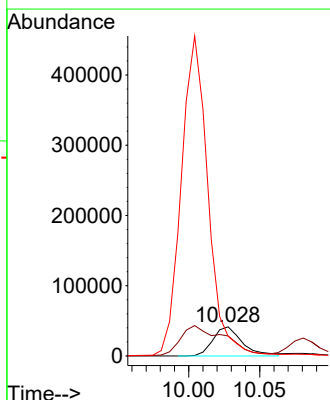
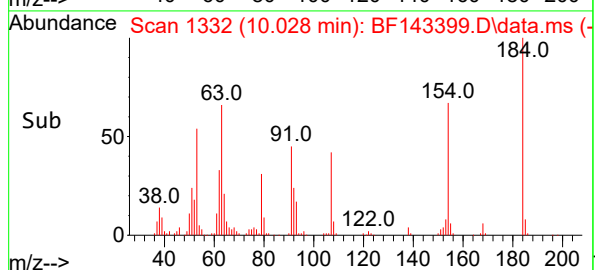
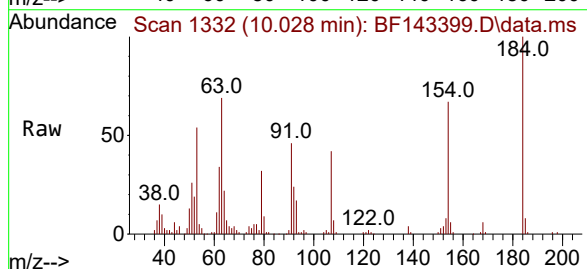
Manual Integrations
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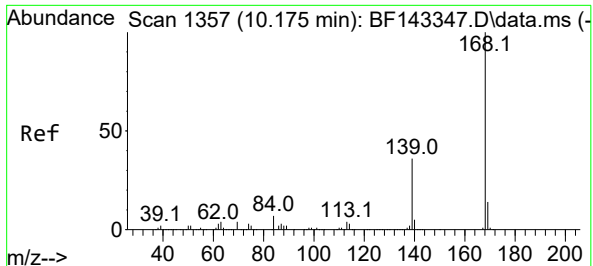
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#54
2,4-Dinitrophenol
Concen: 51.347 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:184 Resp: 59555
Ion Ratio Lower Upper
184 100
63 69.0 62.5 93.7
154 67.5 73.0 109.4#





#55

Dibenzenofuran

Concen: 35.775 ng

RT: 10.175 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 846919

Ion Ratio Lower Upper

168 100

139 37.0 29.4 44.0

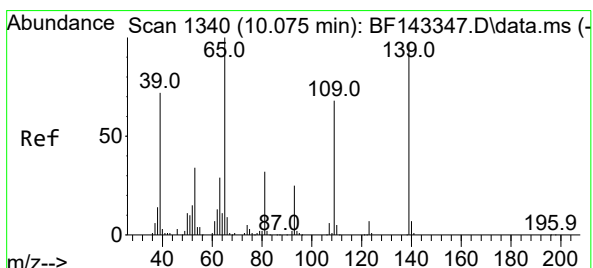
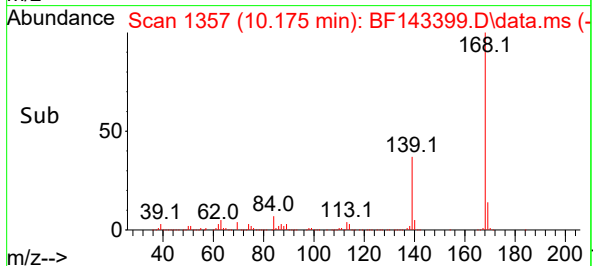
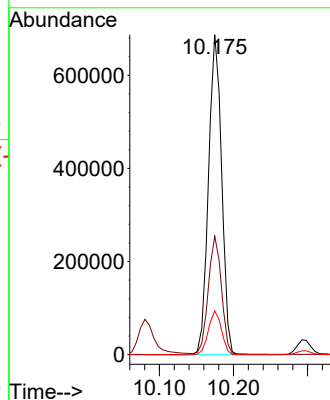
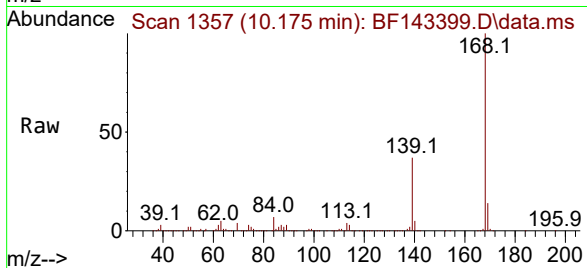
169 13.7 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#56

4-Nitrophenol

Concen: 41.856 ng

RT: 10.081 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

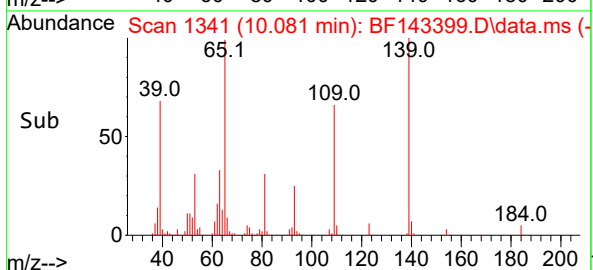
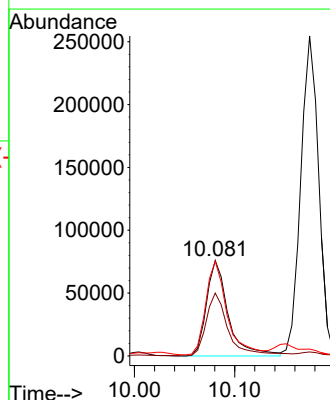
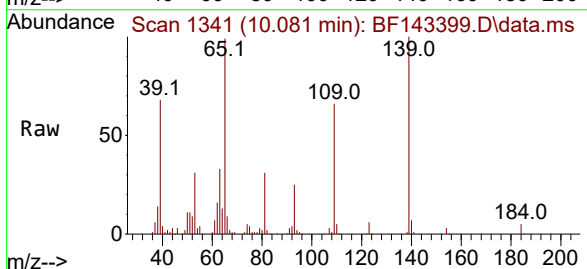
Tgt Ion:139 Resp: 114908

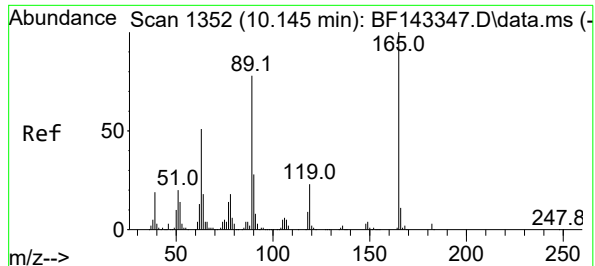
Ion Ratio Lower Upper

139 100

109 65.8 49.4 89.4

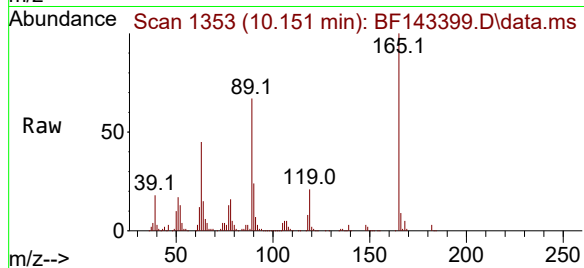
65 99.1 83.7 123.7





#57
2,4-Dinitrotoluene
Concen: 42.395 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

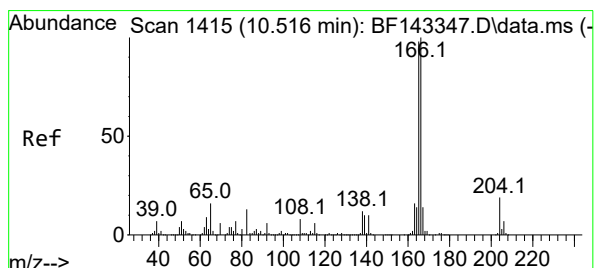
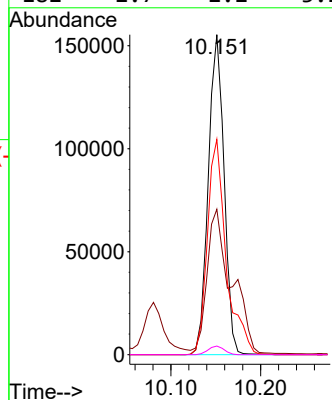
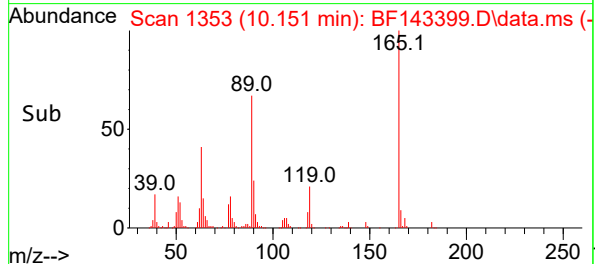
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



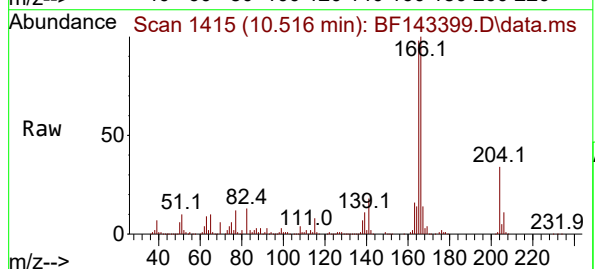
Tgt Ion:165 Resp: 18968
Ion Ratio Lower Upper
165 100
63 45.4 41.8 62.8
89 67.2 62.4 93.6
182 2.7 2.2 3.2

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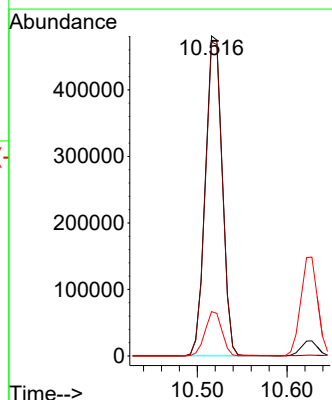
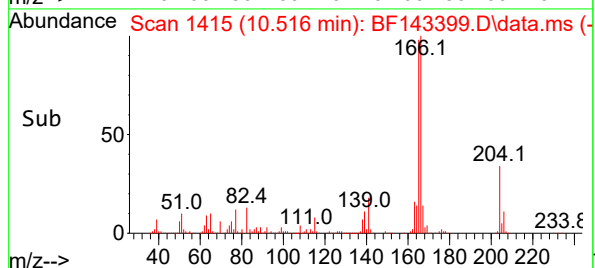
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

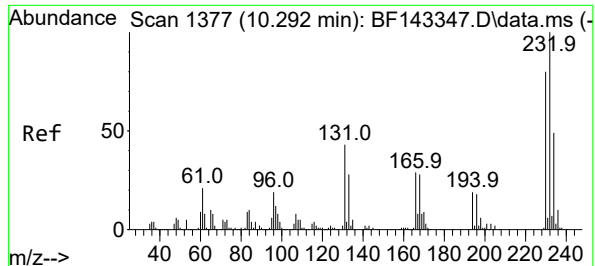


#58
Fluorene
Concen: 34.878 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



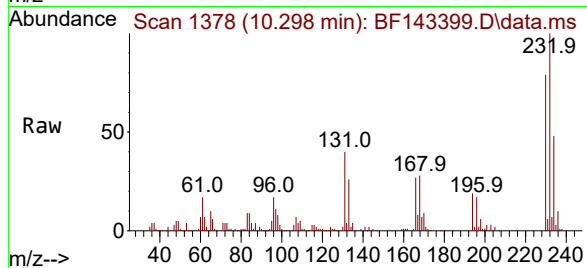
Tgt Ion:166 Resp: 630662
Ion Ratio Lower Upper
166 100
165 98.2 78.2 117.4
167 13.9 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.560 ng
RT: 10.298 min Scan# 1378
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

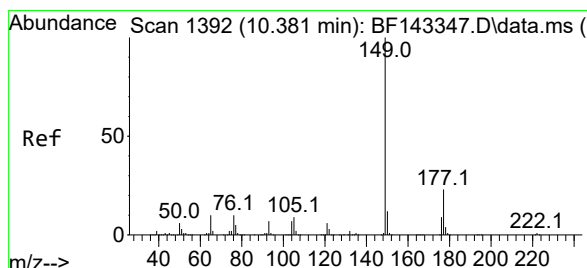
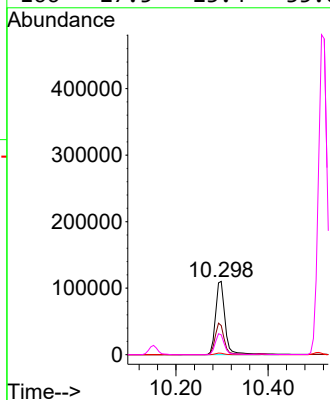
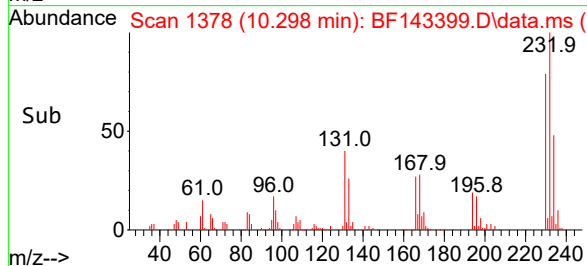
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



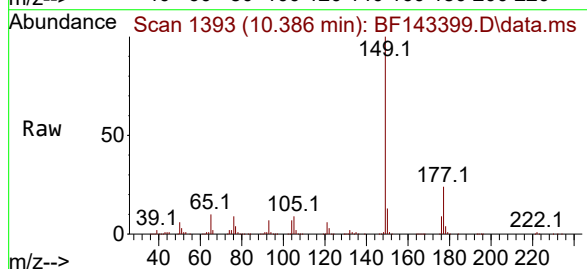
Tgt Ion:232 Resp: 158397
Ion Ratio Lower Upper
232 100
131 40.9 34.6 51.8
130 1.9 1.7 2.5
166 27.5 23.4 35.0

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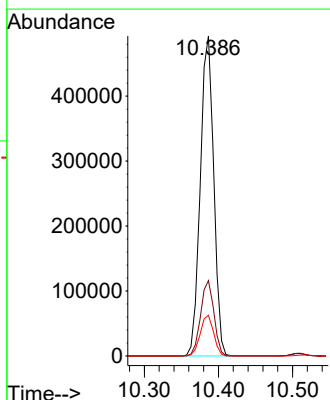
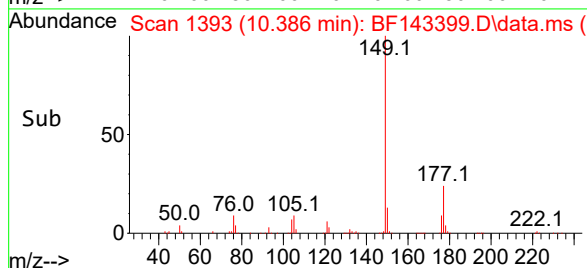
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

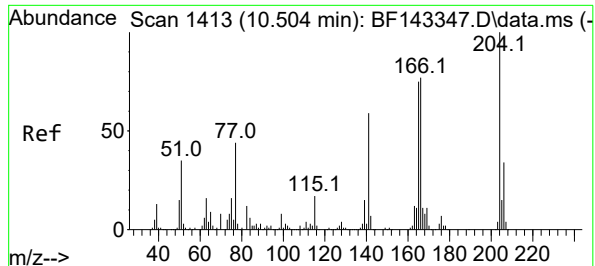


#60
Diethylphthalate
Concen: 38.637 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



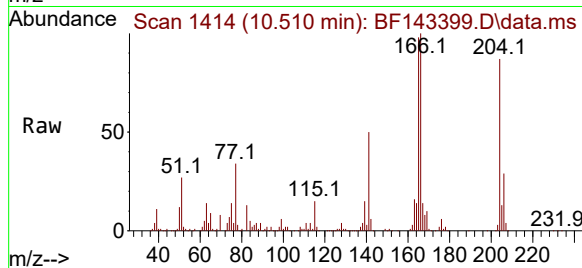
Tgt Ion:149 Resp: 622164
Ion Ratio Lower Upper
149 100
177 23.6 18.2 27.2
150 12.7 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 36.713 ng
RT: 10.510 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

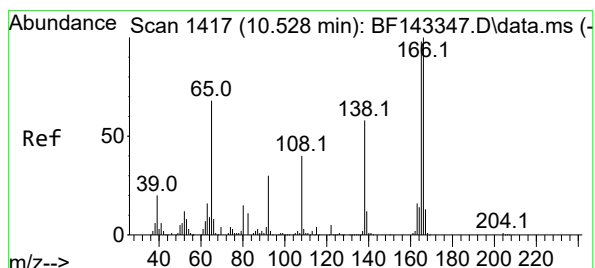
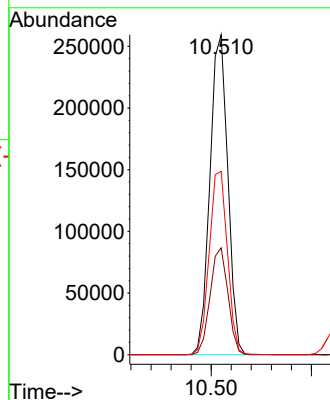
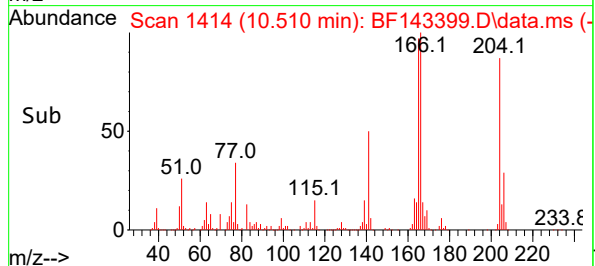
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



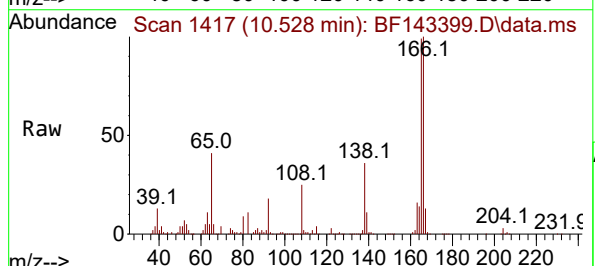
Tgt Ion:204 Resp: 32076
Ion Ratio Lower Upper
204 100
206 33.4 27.4 41.2
141 57.3 46.9 70.3

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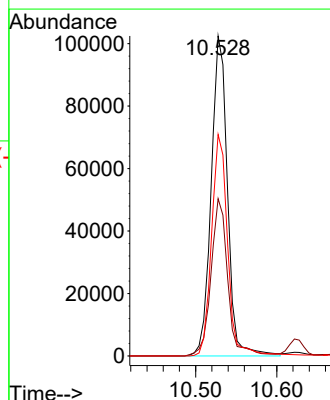
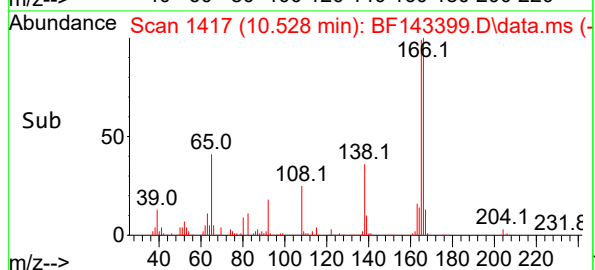
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

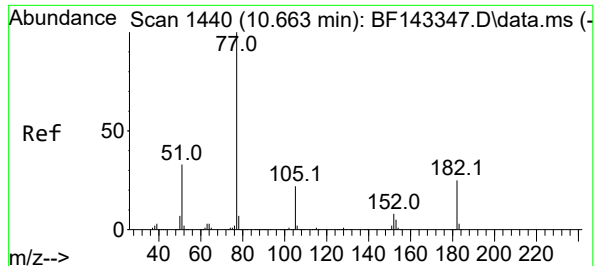


#62
4-Nitroaniline
Concen: 40.094 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



Tgt Ion:138 Resp: 142815
Ion Ratio Lower Upper
138 100
92 49.2 31.2 71.2
108 69.2 48.1 88.1





#63

Azobenzene

Concen: 34.469 ng

RT: 10.669 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 633989

Ion Ratio Lower Upper

77 100

182 26.7 4.4 44.4

105 22.3 1.8 41.8

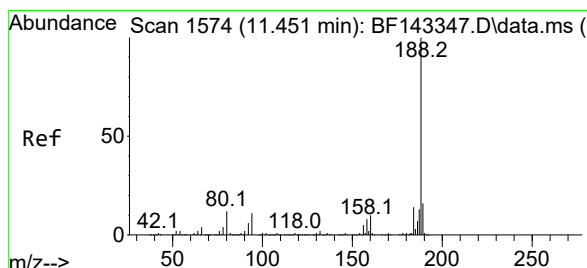
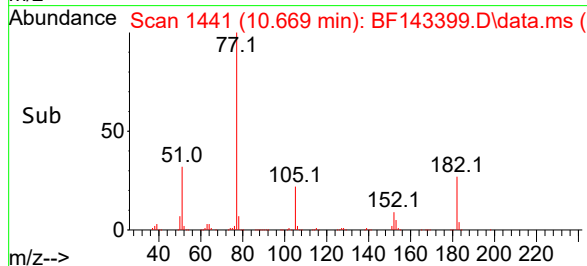
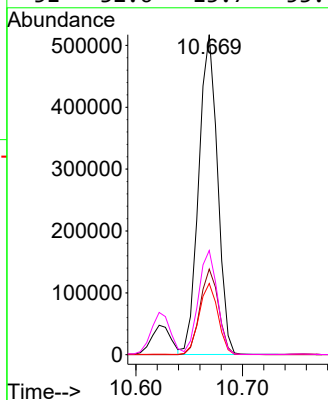
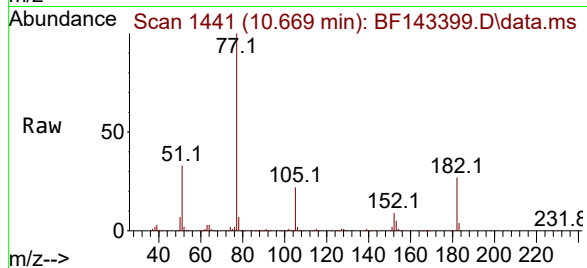
51 32.6 13.7 53.7

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1575

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

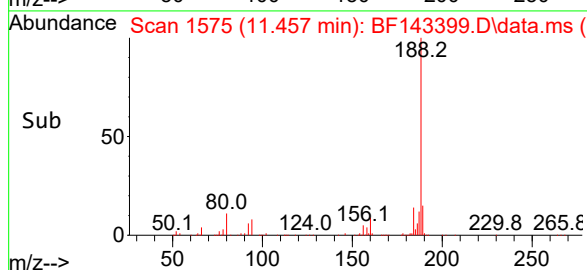
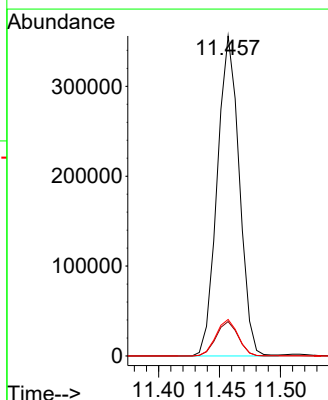
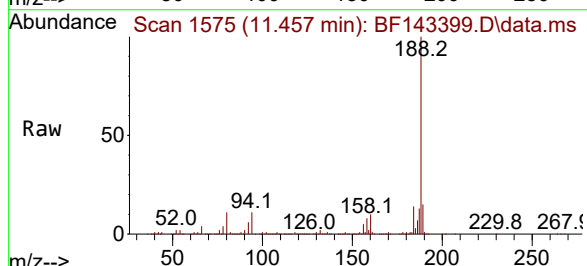
Tgt Ion:188 Resp: 448323

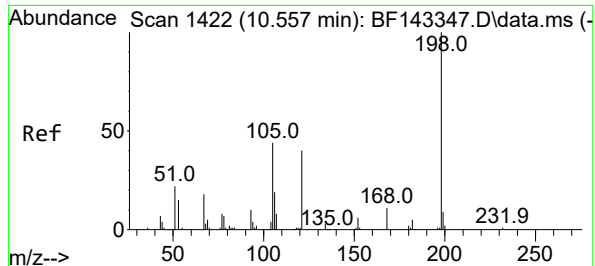
Ion Ratio Lower Upper

188 100

94 10.7 8.8 13.2

80 11.4 9.7 14.5





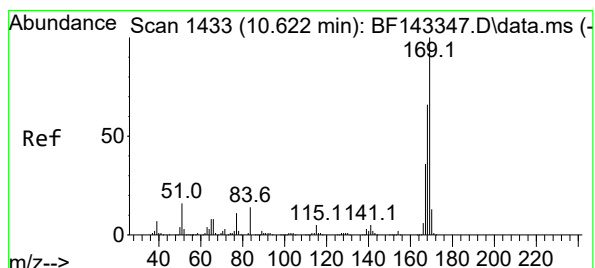
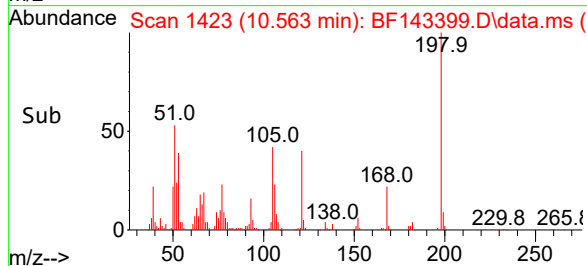
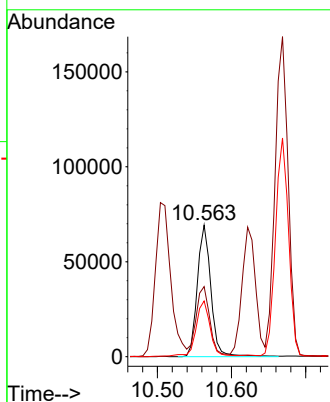
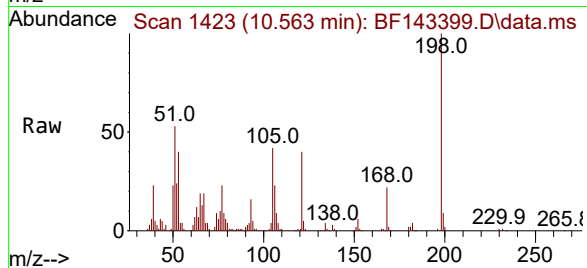
#65
4,6-Dinitro-2-methylphenol
Concen: 48.521 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 88170
Ion Ratio Lower Upper
198 100
51 53.3 41.7 81.7
105 42.4 26.8 66.8

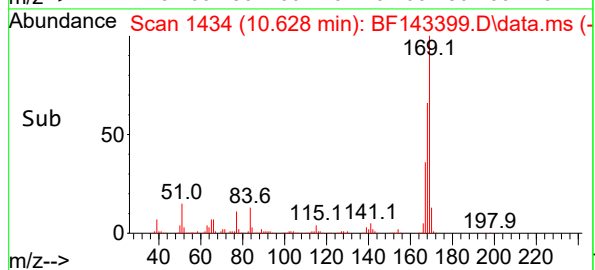
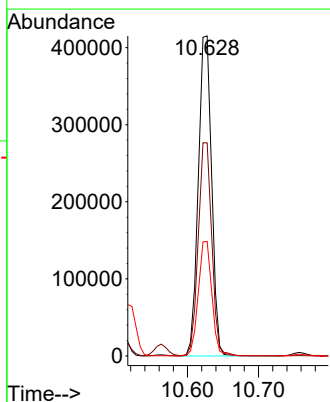
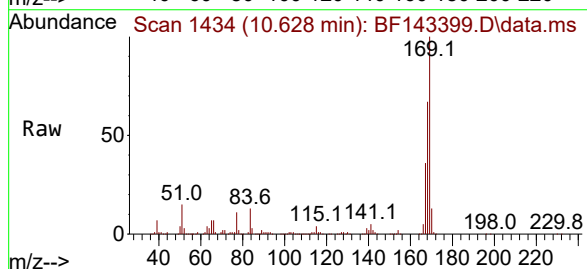
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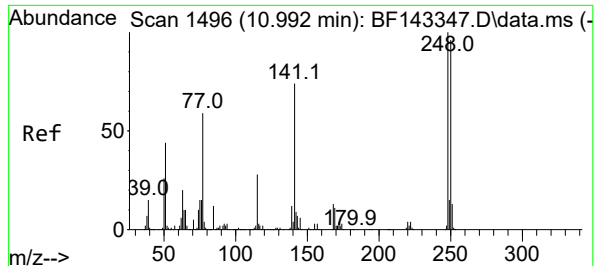
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 36.871 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

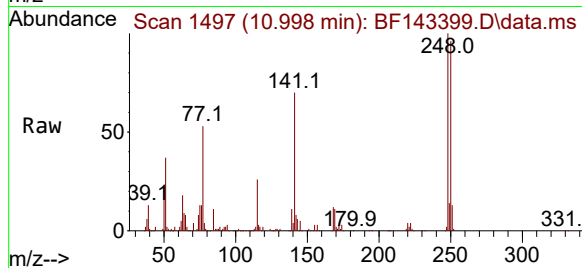
Tgt Ion:169 Resp: 544301
Ion Ratio Lower Upper
169 100
168 66.6 52.7 79.1
167 35.8 28.6 42.8





#67
4-Bromophenyl-phenylether
Concen: 38.580 ng
RT: 10.998 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

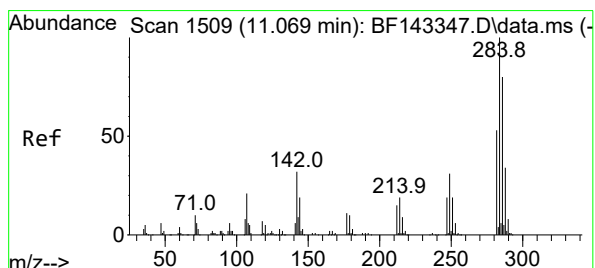
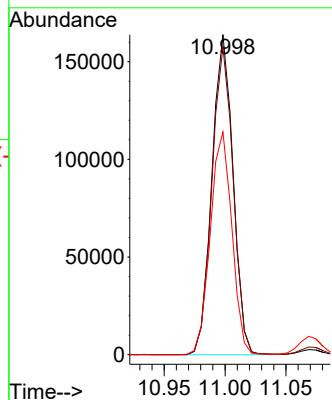
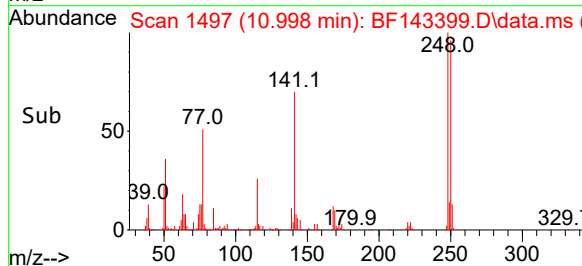
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:248 Resp: 197810
Ion Ratio Lower Upper
248 100
250 96.2 77.1 115.7
141 69.6 59.1 88.7

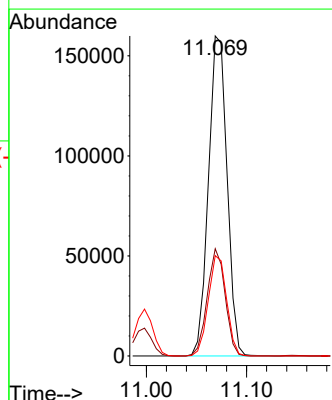
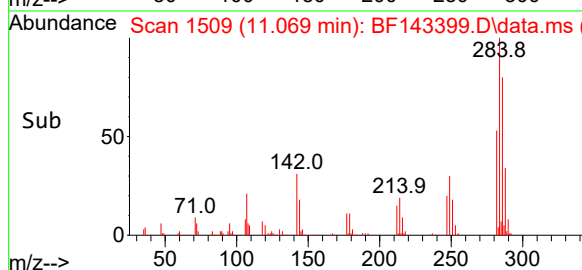
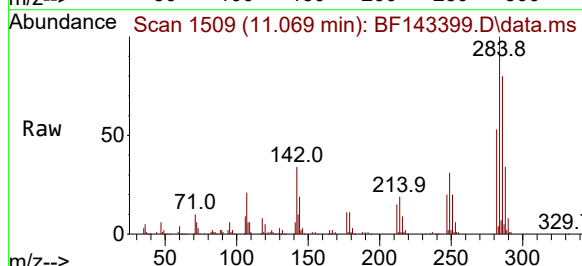
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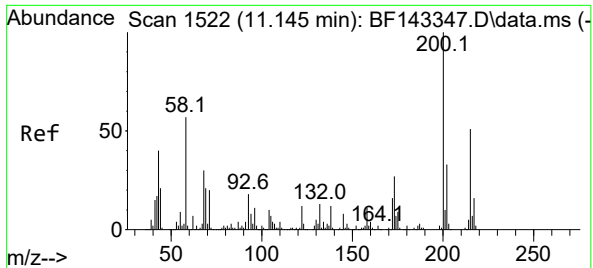
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#68
Hexachlorobenzene
Concen: 37.421 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:284 Resp: 206818
Ion Ratio Lower Upper
284 100
142 33.5 25.7 38.5
249 31.4 24.6 37.0





#69

Atrazine

Concen: 42.535 ng

RT: 11.151 min Scan# 1523

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 16377

Ion Ratio Lower Upper

200 100

173 26.3 6.6 46.6

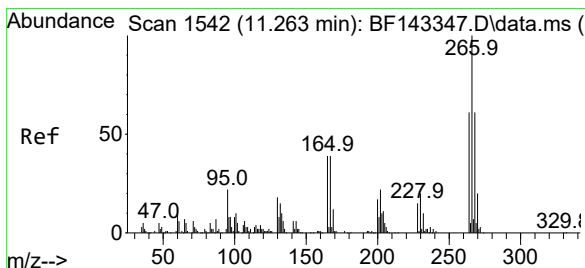
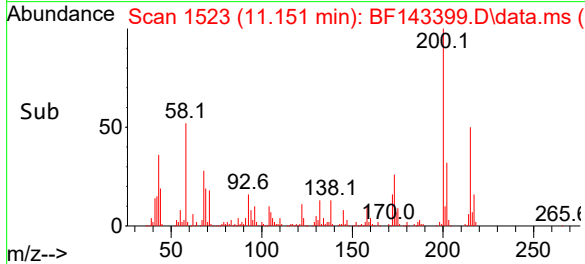
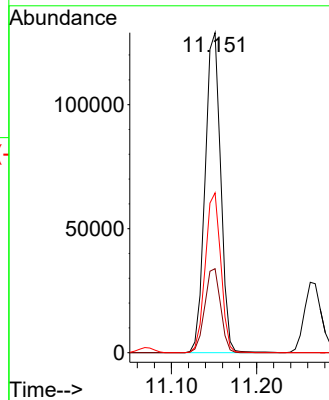
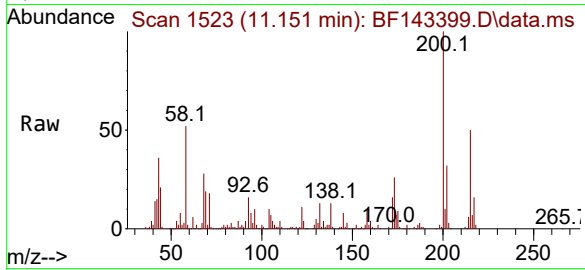
215 49.9 30.6 70.6

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#70

Pentachlorophenol

Concen: 94.322 ng

RT: 11.269 min Scan# 1543

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

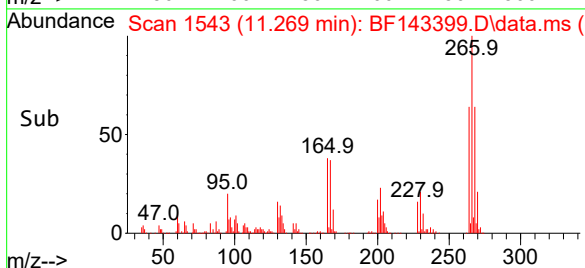
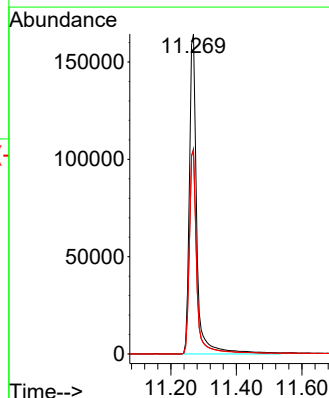
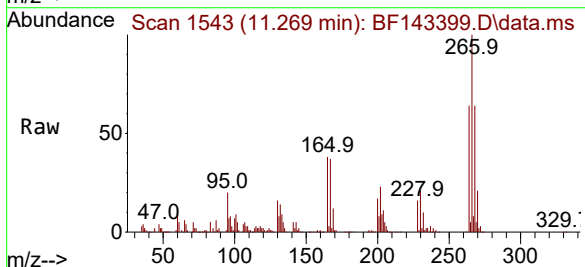
Tgt Ion:266 Resp: 258266

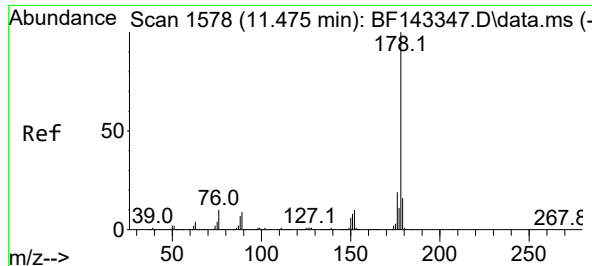
Ion Ratio Lower Upper

266 100

268 64.1 48.8 73.2

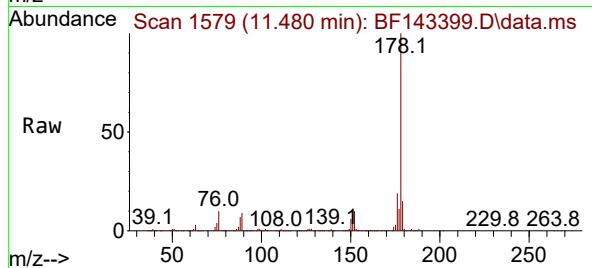
264 63.6 48.8 73.2





#71
Phenanthrene
Concen: 35.740 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

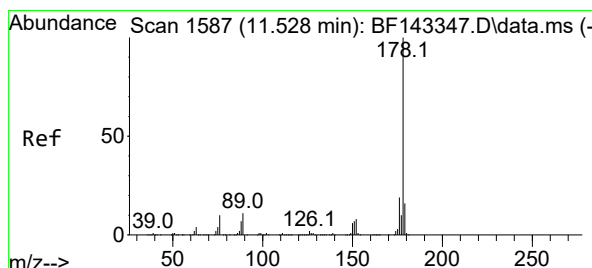
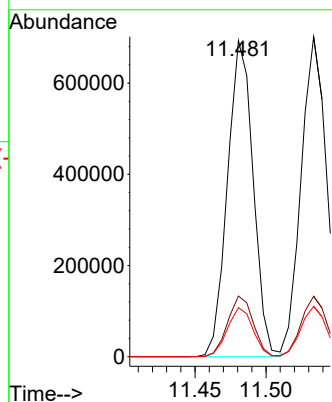
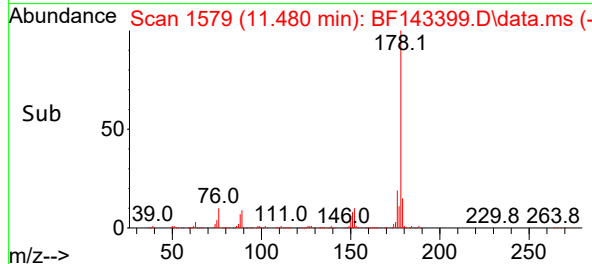
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



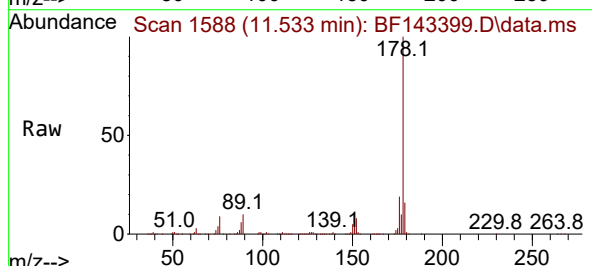
Tgt Ion:178 Resp: 874214
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.5 18.7

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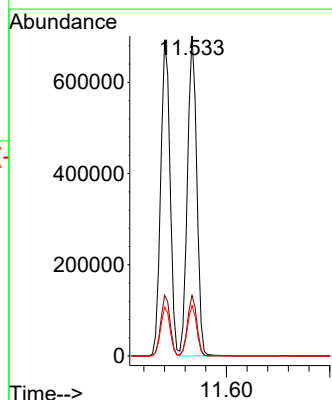
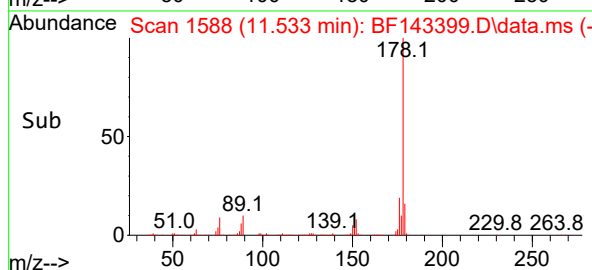
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

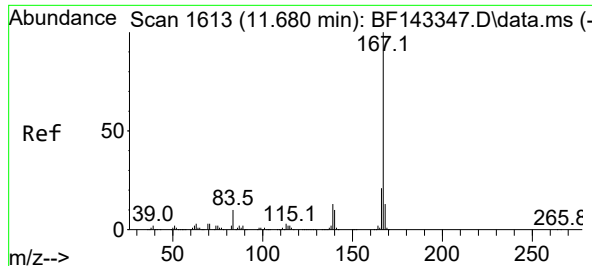


#72
Anthracene
Concen: 35.318 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



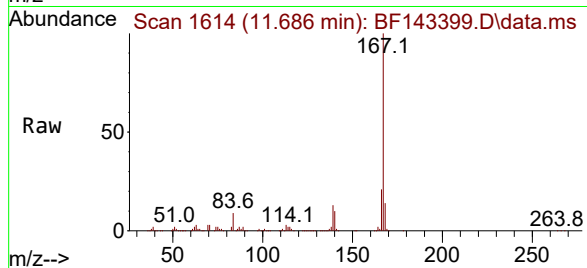
Tgt Ion:178 Resp: 876126
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.7 12.7 19.1





#73
 Carbazole
 Concen: 35.043 ng
 RT: 11.686 min Scan# 1613
 Delta R.T. 0.006 min
 Lab File: BF143399.D
 Acq: 15 Aug 2025 03:54

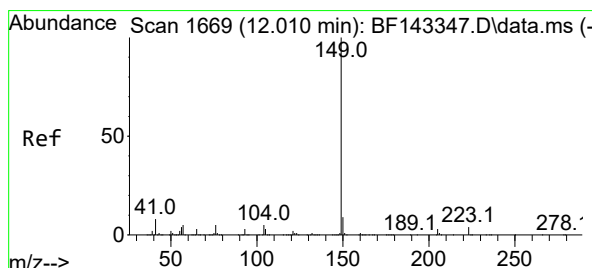
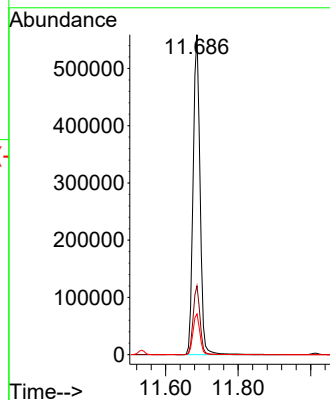
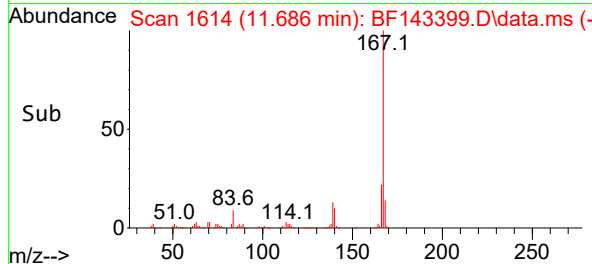
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



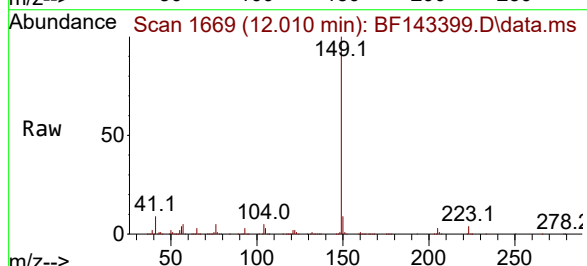
Tgt Ion:167 Resp: 74034
 Ion Ratio Lower Upper
 167 100
 166 21.5 16.8 25.2
 139 12.8 10.2 15.2

Manual Integrations
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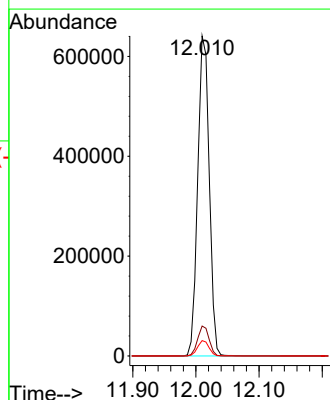
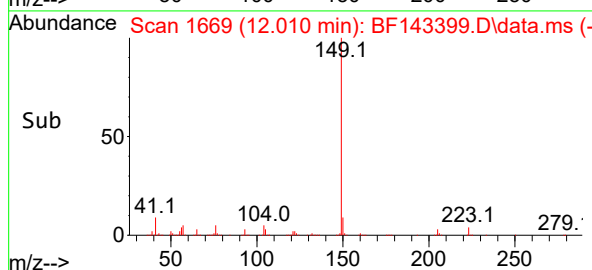
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

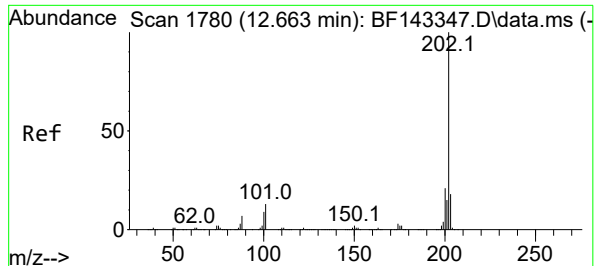


#74
 Di-n-butylphthalate
 Concen: 45.343 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. -0.000 min
 Lab File: BF143399.D
 Acq: 15 Aug 2025 03:54



Tgt Ion:149 Resp: 810616
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 4.8 3.8 5.8





#75

Fluoranthene

Concen: 36.199 ng

RT: 12.669 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 775610

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

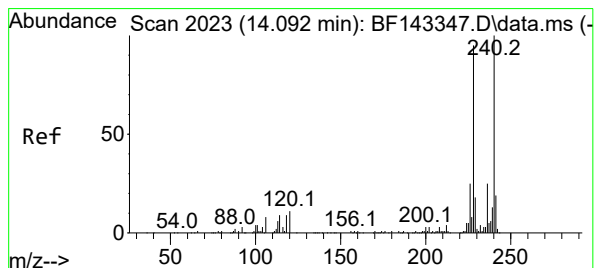
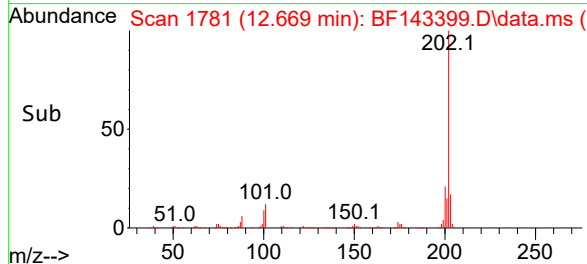
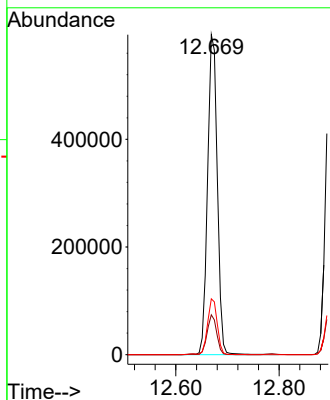
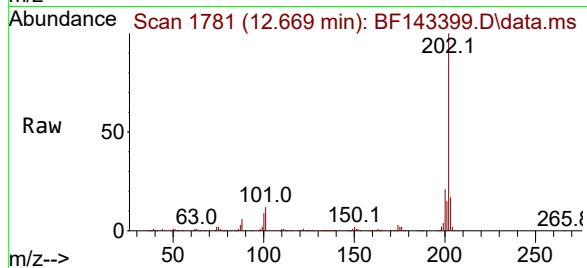
203 17.4 0.0 37.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

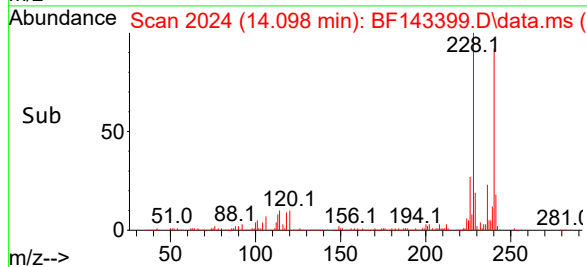
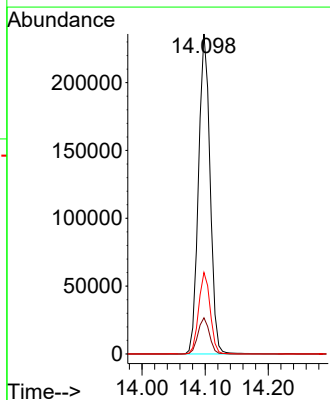
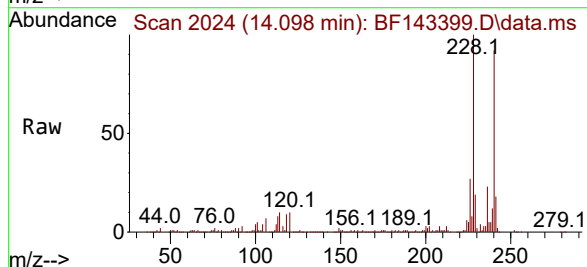
Tgt Ion:240 Resp: 298922

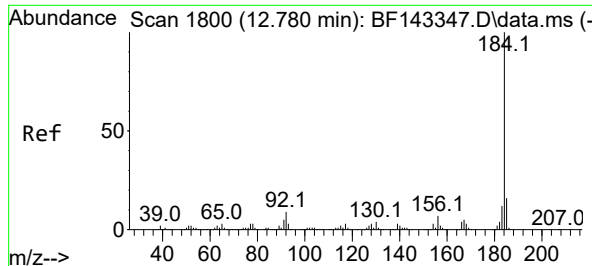
Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.6

236 25.4 19.9 29.9





#77

Benzidine

Concen: 39.424 ng

RT: 12.786 min Scan# 1800

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 32218

Ion Ratio Lower Upper

184 100

185 15.0 12.8 19.2

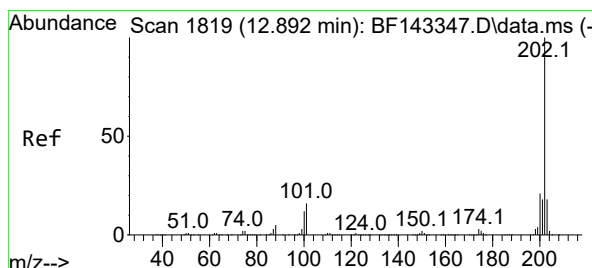
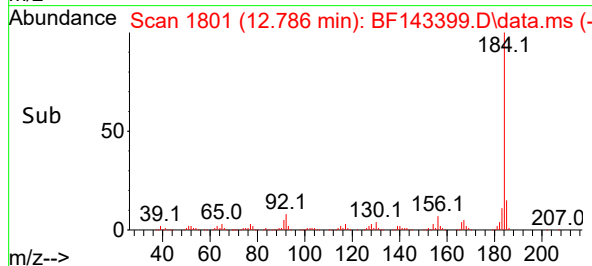
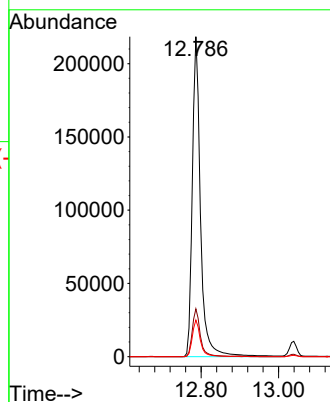
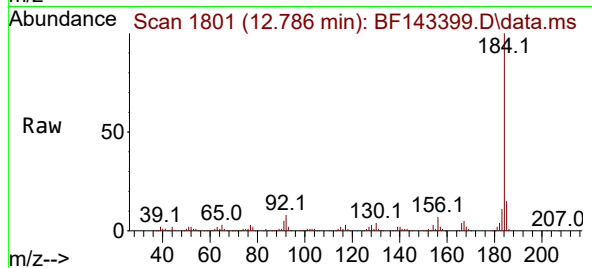
183 11.4 9.3 13.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#78

Pyrene

Concen: 31.829 ng

RT: 12.898 min Scan# 1820

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

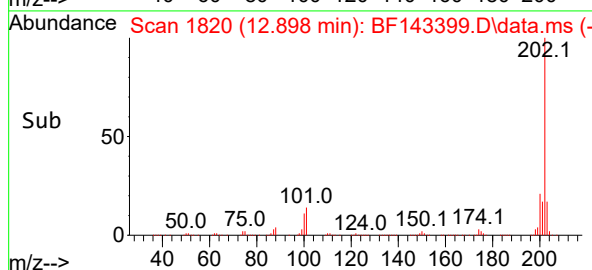
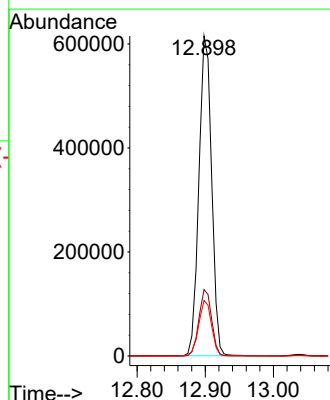
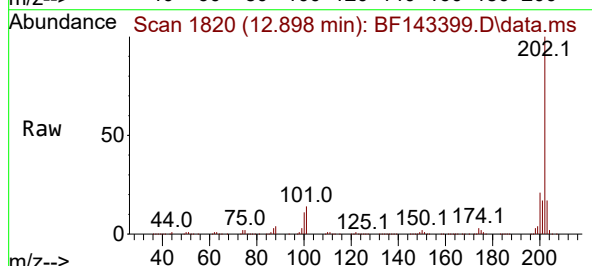
Tgt Ion:202 Resp: 798173

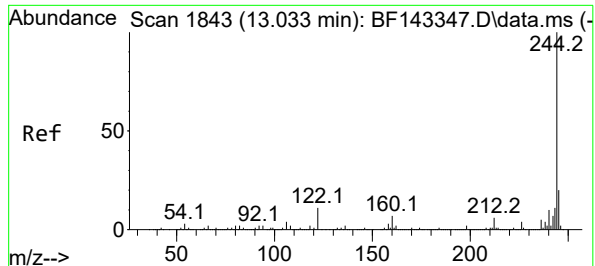
Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 17.3 14.2 21.4





#79

Terphenyl-d14

Concen: 65.955 ng

RT: 13.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 110429

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

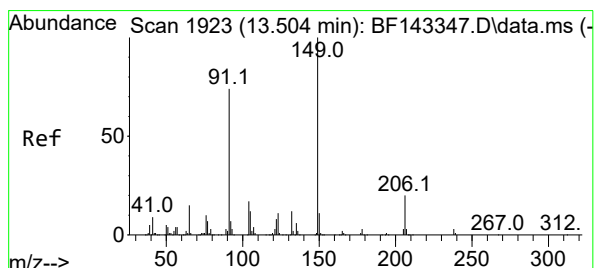
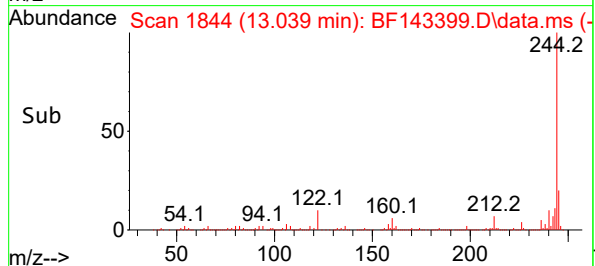
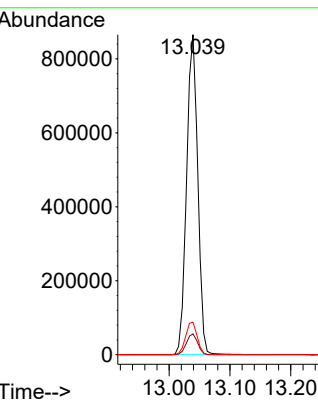
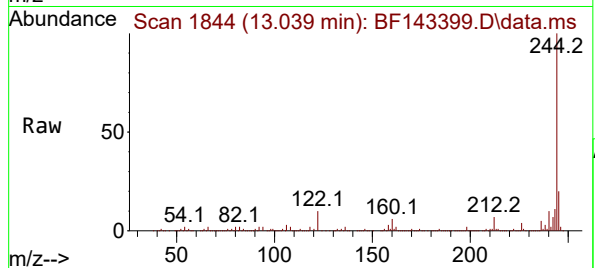
122 10.1 8.9 13.3

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#80

Butylbenzylphthalate

Concen: 53.579 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

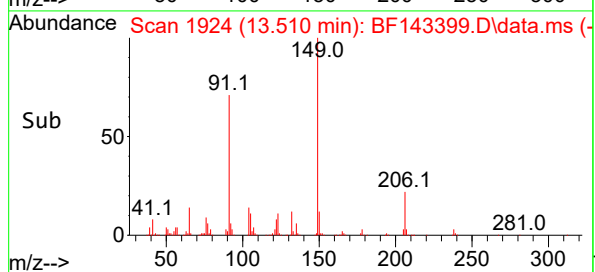
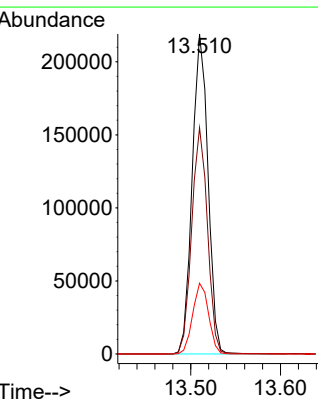
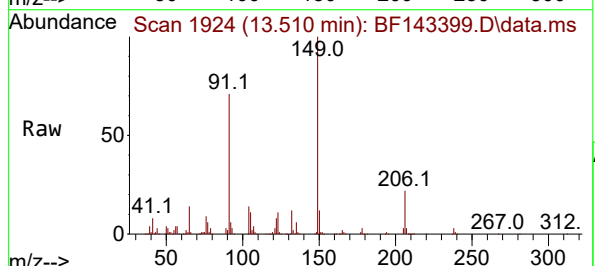
Tgt Ion:149 Resp: 267587

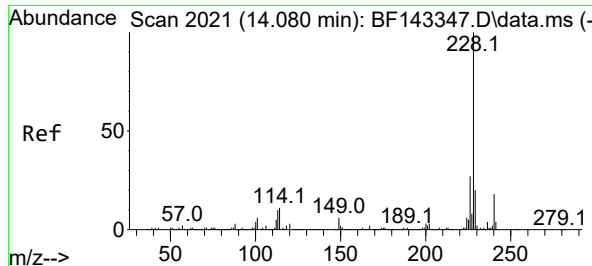
Ion Ratio Lower Upper

149 100

91 70.7 58.8 88.2

206 22.1 16.4 24.6





#81

Benzo(a)anthracene

Concen: 35.382 ng

RT: 14.086 min Scan# 2021

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 672240

Ion Ratio Lower Upper

228 100

226 27.5 22.0 33.0

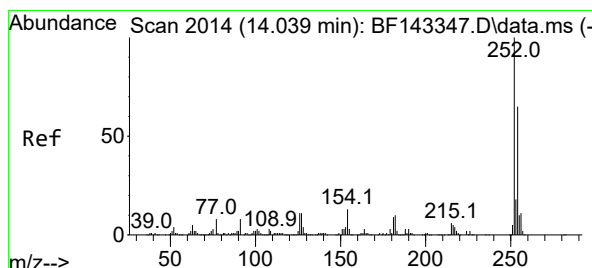
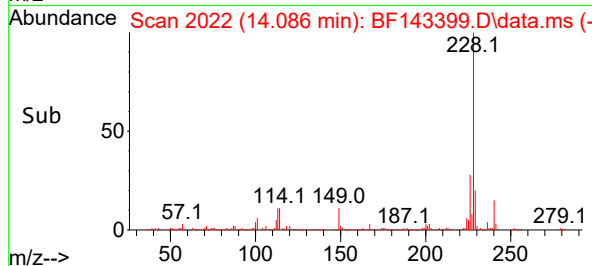
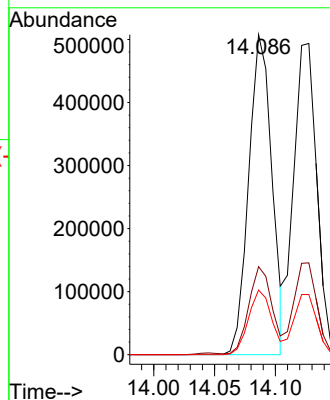
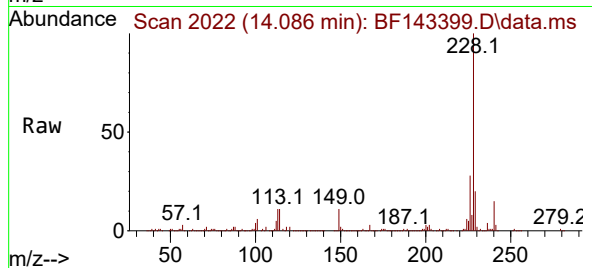
229 20.2 15.8 23.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#82

3,3'-Dichlorobenzidine

Concen: 44.142 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

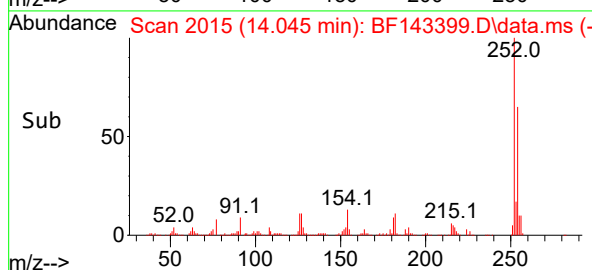
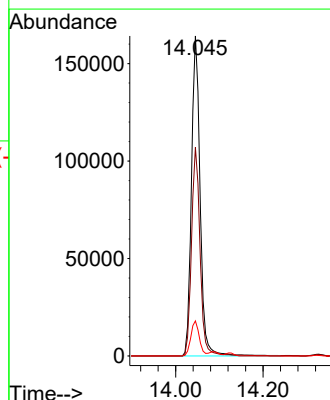
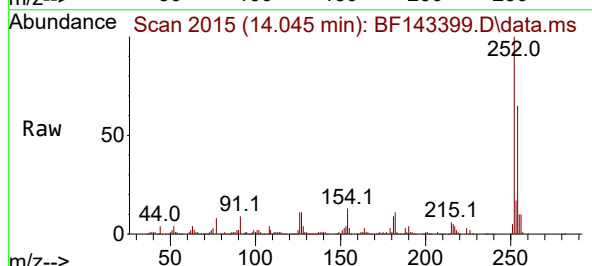
Tgt Ion:252 Resp: 226457

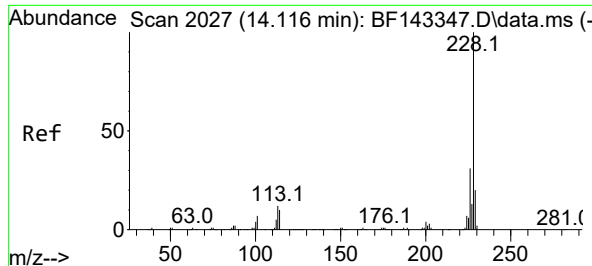
Ion Ratio Lower Upper

252 100

254 65.2 51.7 77.5

126 11.0 9.2 13.8





#83

Chrysene

Concen: 37.405 ng

RT: 14.127 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 662658

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.2

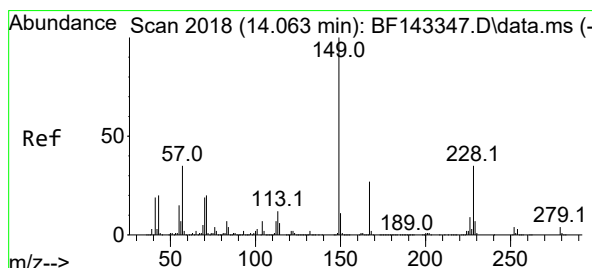
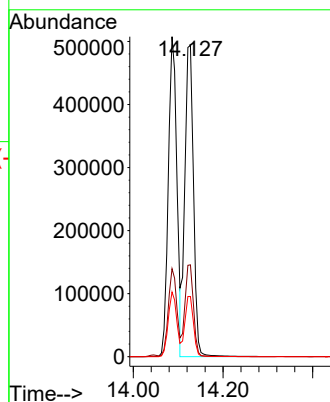
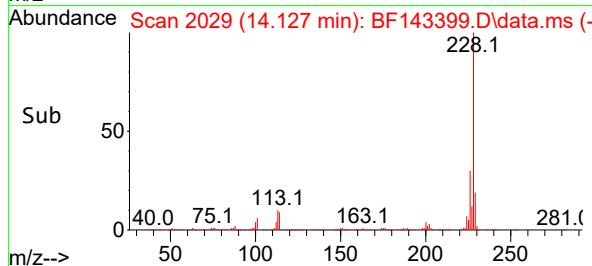
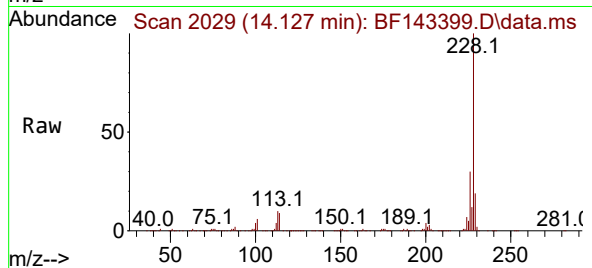
229 19.4 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.348 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

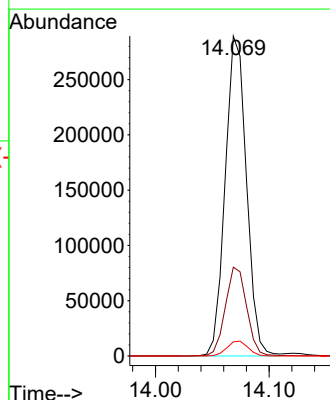
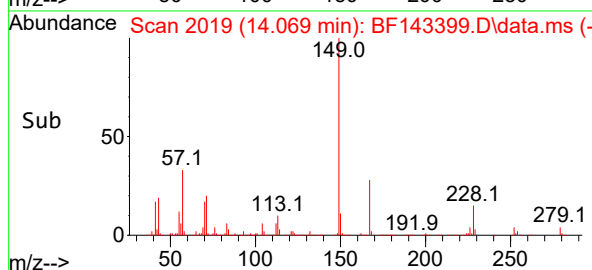
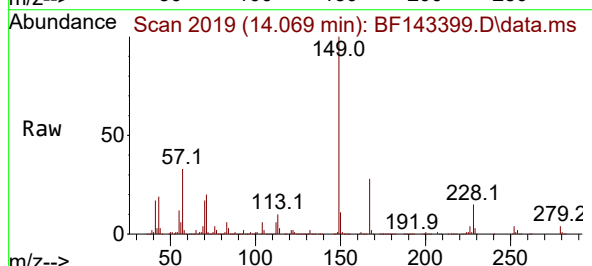
Tgt Ion:149 Resp: 376483

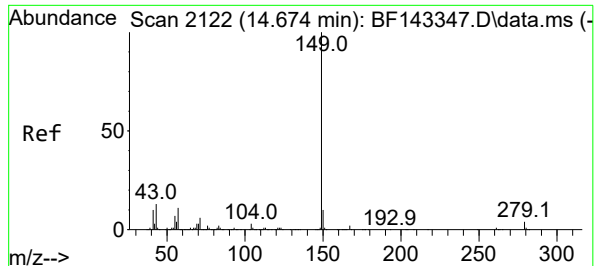
Ion Ratio Lower Upper

149 100

167 27.7 21.4 32.0

279 4.4 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 47.658 ng

RT: 14.686 min Scan# 2122

Delta R.T. 0.012 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:149 Resp: 690910

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

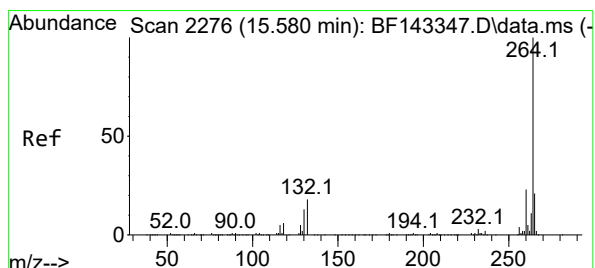
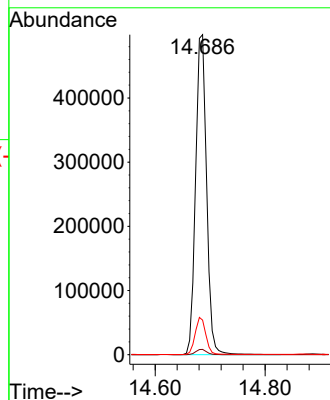
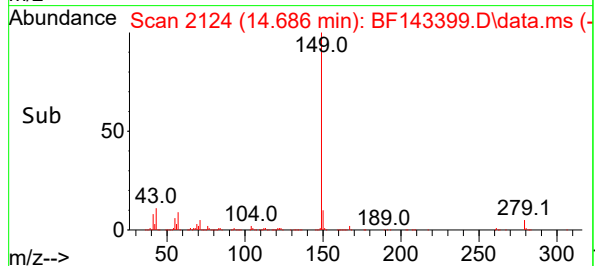
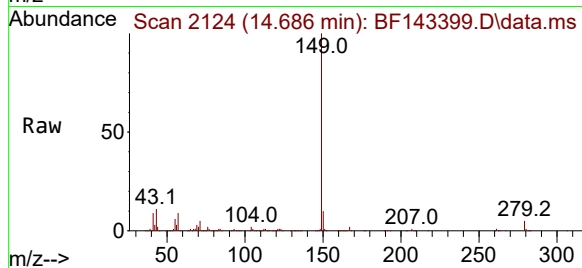
43 11.4 10.8 16.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

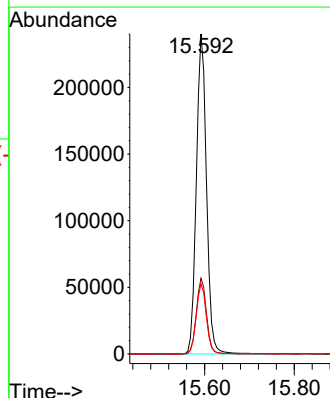
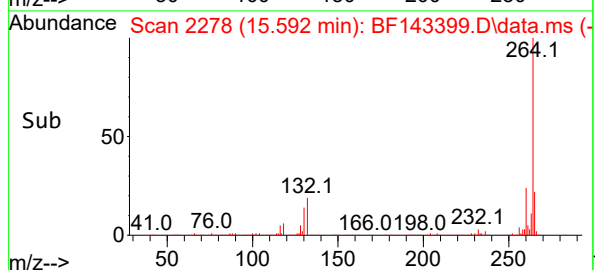
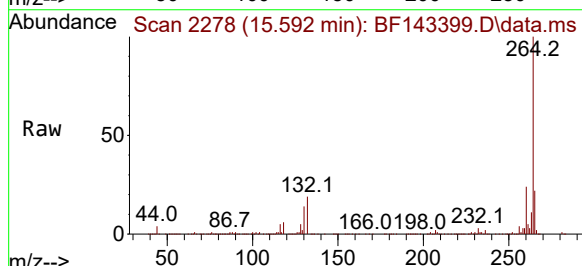
Tgt Ion:264 Resp: 377299

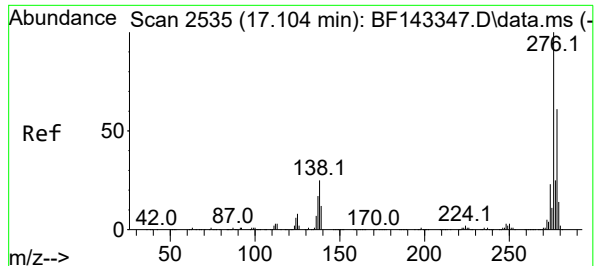
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 36.148 ng

RT: 17.121 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 97710

Ion Ratio Lower Upper

276 100

138 25.4 21.1 31.7

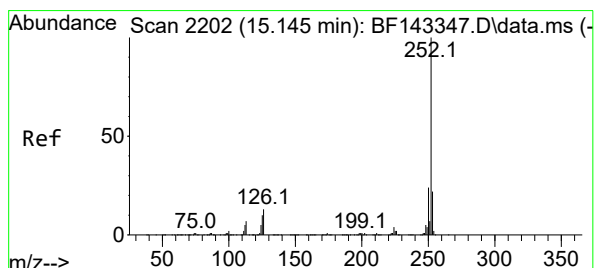
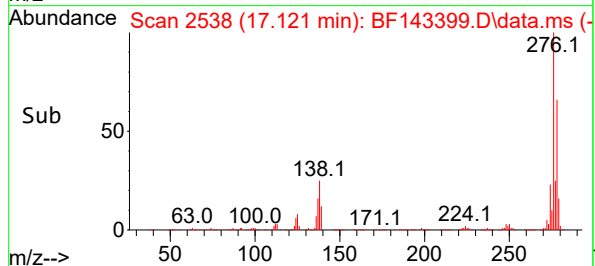
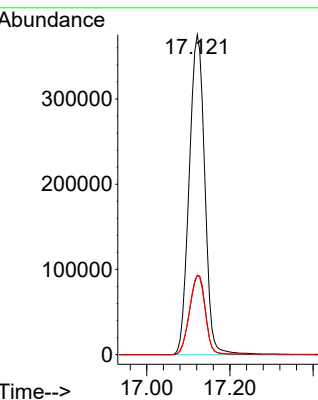
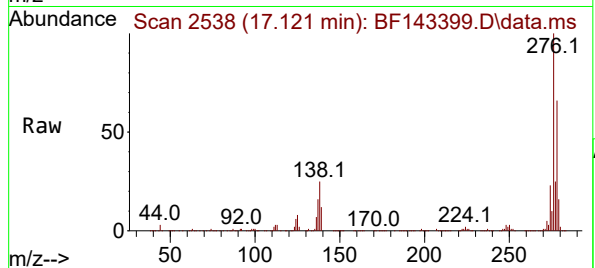
277 25.0 20.2 30.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 38.730 ng

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

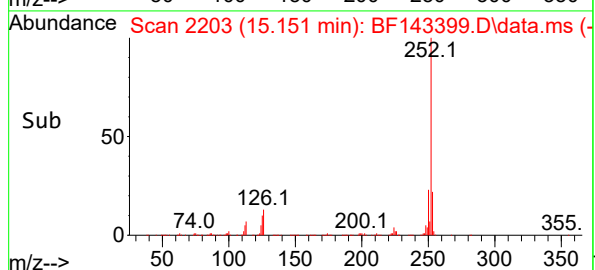
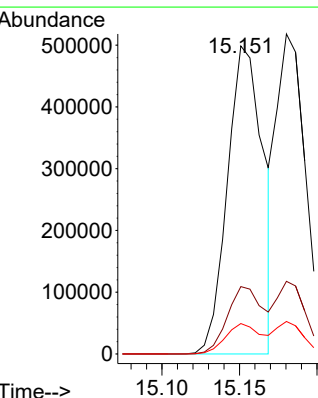
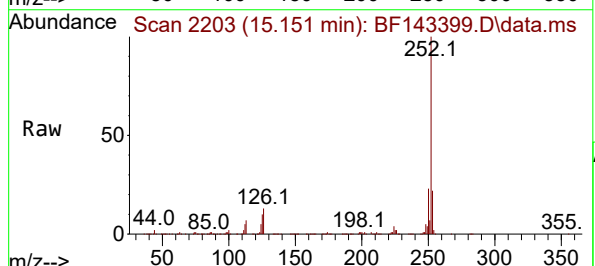
Tgt Ion:252 Resp: 799255

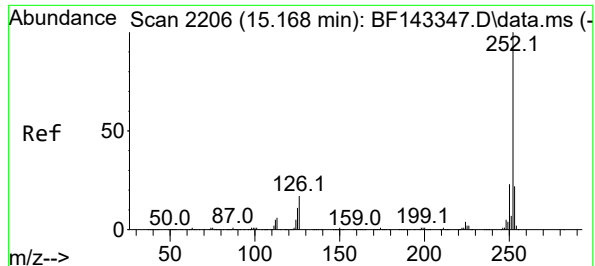
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 9.9 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 34.263 ng

RT: 15.180 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 68705

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

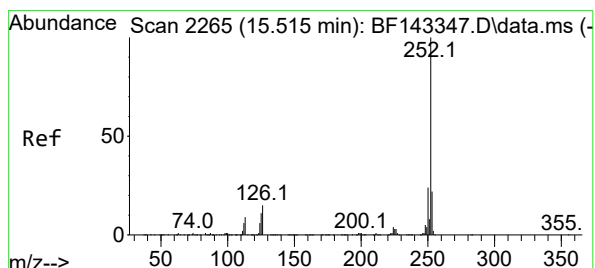
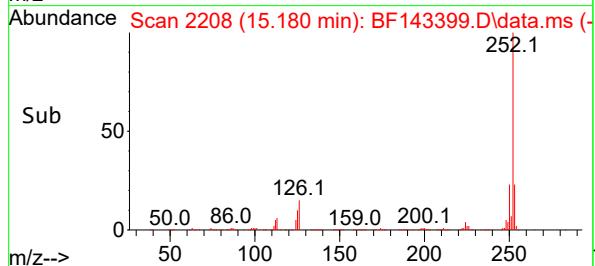
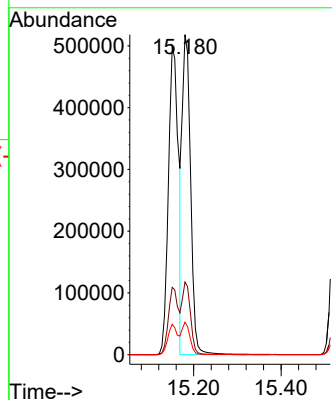
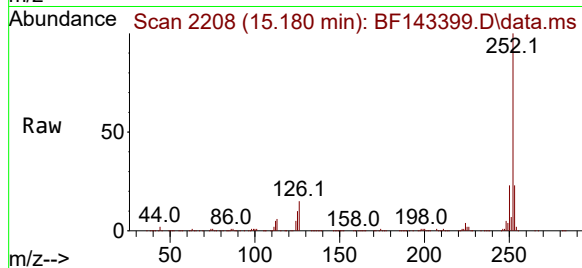
125 10.1 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 36.858 ng

RT: 15.527 min Scan# 2267

Delta R.T. 0.012 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

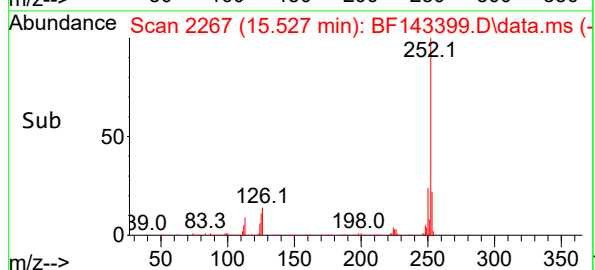
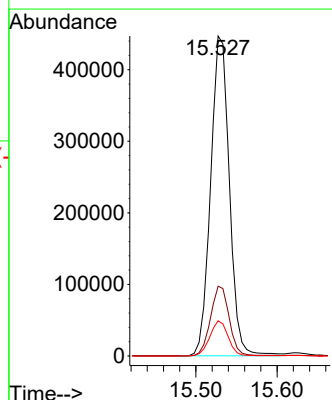
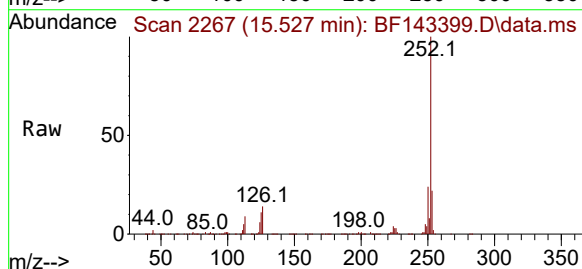
Tgt Ion:252 Resp: 716381

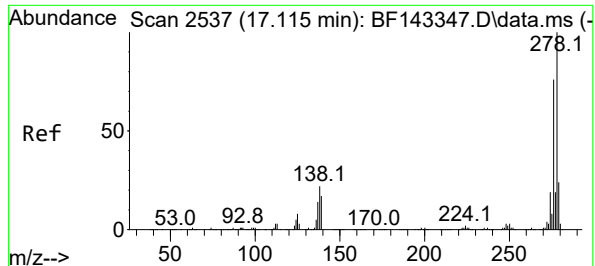
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 11.0 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 35.627 ng

RT: 17.133 min Scan# 2537

Delta R.T. 0.018 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 76935

Ion Ratio Lower Upper

278 100

139 16.9 14.0 21.0

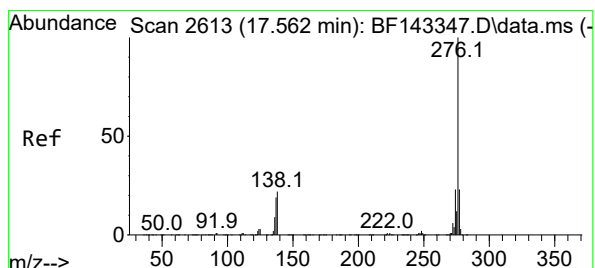
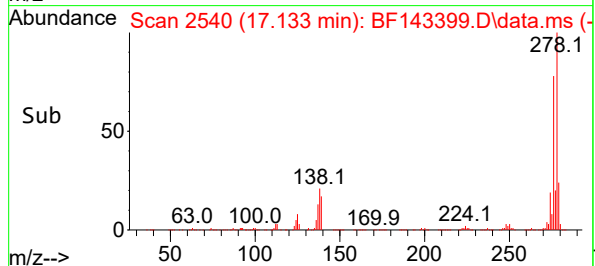
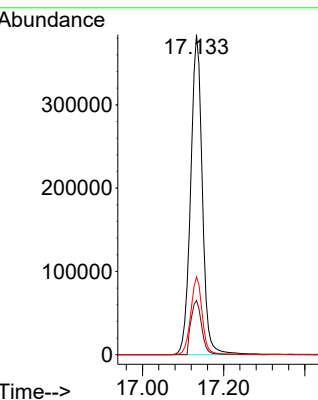
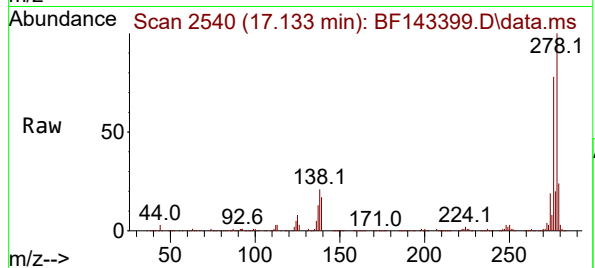
279 24.3 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#92

Benzo(g,h,i)perylene

Concen: 35.184 ng

RT: 17.580 min Scan# 2616

Delta R.T. 0.018 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

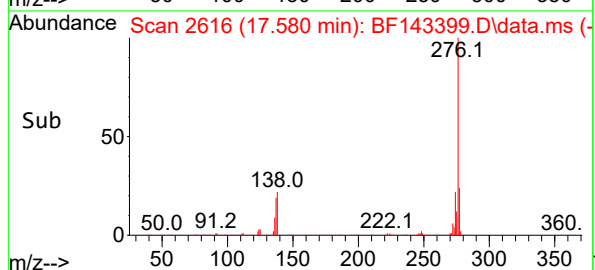
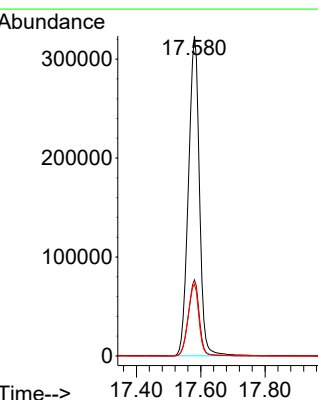
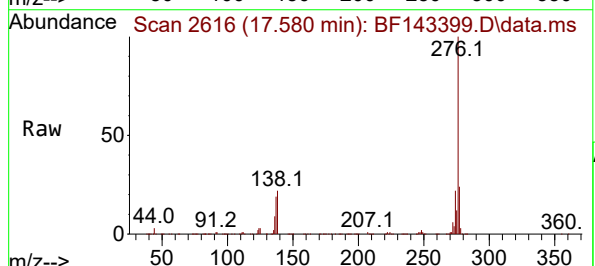
Tgt Ion:276 Resp: 765398

Ion Ratio Lower Upper

276 100

277 23.8 18.7 28.1

138 22.5 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143399.D
Acq On : 15 Aug 2025 03:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 13:04:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2	1,4-Dioxane	0.598	0.580	3.0	90	-0.02
3	Pyridine	1.595	1.428	10.5	81	-0.02
4	n-Nitrosodimethylamine	0.743	0.647	12.9	79	-0.02
5 S	2-Fluorophenol	1.157	1.081	6.6	84	0.00
6	Aniline	2.091	1.824	12.8	79	0.00
7 S	Phenol-d6	1.483	1.325	10.7	81	0.00
8	2-Chlorophenol	1.236	1.194	3.4	87	0.00
9	Benzaldehyde	0.980	0.803	18.1	73	0.00
10 C	Phenol	1.757	1.562	11.1	81	0.00
11	bis(2-Chloroethyl)ether	1.295	1.165	10.0	82	0.00
12	1,3-Dichlorobenzene	1.425	1.296	9.1	83	0.00
13 C	1,4-Dichlorobenzene	1.431	1.302	9.0	85	0.00
14	1,2-Dichlorobenzene	1.358	1.233	9.2	84	0.00
15	Benzyl Alcohol	1.063	0.984	7.4	83	0.00
16	2,2'-oxybis(1-Chloropropane	2.312	1.961	15.2	78	0.00
17	2-Methylphenol	1.043	0.969	7.1	84	0.00
18	Hexachloroethane	0.449	0.446	0.7	89	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.781	14.7	79	0.00
20	3+4-Methylphenols	1.262	1.138	9.8	81	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22	Acetophenone	0.441	0.385	12.7	80	0.00
23 S	Nitrobenzene-d5	0.321	0.315	1.9	84	0.00
24	Nitrobenzene	0.349	0.335	4.0	83	0.00
25	Isophorone	0.656	0.580	11.6	80	0.00
26 C	2-Nitrophenol	0.118	0.162	-37.3#	115	0.00
27	2,4-Dimethylphenol	0.274	0.260	5.1	83	0.00
28	bis(2-Chloroethoxy)methane	0.400	0.364	9.0	82	0.00
29 C	2,4-Dichlorophenol	0.267	0.264	1.1	86	0.00
30	1,2,4-Trichlorobenzene	0.282	0.265	6.0	85	0.00
31	Naphthalene	0.962	0.867	9.9	82	0.00
32	Benzoic acid	0.110	0.127	-15.5	105	0.01
33	4-Chloroaniline	0.347	0.315	9.2	82	0.00
34 C	Hexachlorobutadiene	0.175	0.169	3.4	86	0.00
35	Caprolactam	0.075	0.074	1.3	84	0.00
36 C	4-Chloro-3-methylphenol	0.280	0.259	7.5	81	0.00
37	2-Methylnaphthalene	0.633	0.571	9.8	82	0.00
38	1-Methylnaphthalene	0.609	0.547	10.2	82	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	89	0.00
40	1,2,4,5-Tetrachlorobenzene	0.547	0.510	6.8	84	0.00
41 P	Hexachlorocyclopentadiene	0.158	0.243	-53.8#	129	0.00
42 S	2,4,6-Tribromophenol	0.146	0.158	-8.2	88	0.00
43 C	2,4,6-Trichlorophenol	0.311	0.321	-3.2	86	0.00
44	2,4,5-Trichlorophenol	0.351	0.348	0.9	82	0.00
45 S	2-Fluorobiphenyl	1.179	1.063	9.8	84	0.00
46	1,1'-Biphenyl	1.414	1.278	9.6	82	0.00
47	2-Chloronaphthalene	1.114	1.021	8.3	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143399.D
Acq On : 15 Aug 2025 03:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 13:04:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.284	0.309	-8.8	89	0.00
49	Acenaphthylene	1.608	1.460	9.2	82	0.00
50	Dimethylphthalate	1.169	1.109	5.1	84	0.00
51	2,6-Dinitrotoluene	0.193	0.236	-22.3	99	0.00
52 C	Acenaphthene	1.069	0.973	9.0	82	0.00
53	3-Nitroaniline	0.239	0.256	-7.1	87	0.00
54 P	2,4-Dinitrophenol	0.065	0.097	-49.2#	131	0.00
55	Dibenzofuran	1.539	1.376	10.6	81	0.00
56 P	4-Nitrophenol	0.163	0.187	-14.7	96	0.00
57	2,4-Dinitrotoluene	0.256	0.308	-20.3	95	0.00
58	Fluorene	1.175	1.025	12.8	80	0.00
59	2,3,4,6-Tetrachlorophenol	0.236	0.257	-8.9	90	0.00
60	Diethylphthalate	1.047	1.011	3.4	83	0.00
61	4-Chlorophenyl-phenylether	0.568	0.521	8.3	82	0.00
62	4-Nitroaniline	0.232	0.232	0.0	83	0.00
63	Azobenzene	1.196	1.030	13.9	77	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	0.069	0.098	-42.0#	120	0.00
66 c	n-Nitrosodiphenylamine	0.659	0.607	7.9	80	0.00
67	4-Bromophenyl-phenylether	0.229	0.221	3.5	83	0.00
68	Hexachlorobenzene	0.247	0.231	6.5	82	0.00
69	Atrazine	0.172	0.183	-6.4	89	0.00
70 C	Pentachlorophenol	0.101	0.288	-185.1#	231#	0.00
71	Phenanthrene	1.091	0.975	10.6	78	0.00
72	Anthracene	1.107	0.977	11.7	78	0.00
73	Carbazole	0.942	0.826	12.3	77	0.00
74	Di-n-butylphthalate	0.798	0.904	-13.3	91	0.00
75 C	Fluoranthene	0.956	0.865	9.5	82	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	103	0.00
77	Benzydine	0.547	0.539	1.5	94	0.00
78	Pyrene	1.678	1.335	20.4	83	0.00
79 S	Terphenyl-d14	1.120	0.924	17.5	87	0.00
80	Butylbenzylphthalate	0.284	0.448	-57.7#	152#	0.00
81	Benzo(a)anthracene	1.271	1.124	11.6	92	0.00
82	3,3'-Dichlorobenzidine	0.343	0.379	-10.5	107	0.00
83	Chrysene	1.185	1.108	6.5	97	0.01
84	Bis(2-ethylhexyl)phthalate	0.403	0.630	-56.3#	147	0.00
85 c	Di-n-octyl phthalate	0.860	1.156	-34.4#	134	0.01
86 I	Perylene-d12	1.000	1.000	0.0	115	0.01
87	Indeno(1,2,3-cd)pyrene	1.433	1.295	9.6	103	0.02
88	Benzo(b)fluoranthene	1.094	1.059	3.2	109	0.00
89	Benzo(k)fluoranthene	1.063	0.910	14.4	101	0.01
90 C	Benzo(a)pyrene	1.030	0.949	7.9	106	0.01
91	Dibenzo(a,h)anthracene	1.145	1.020	10.9	100	0.02
92	Benzo(g,h,i)perylene	1.153	1.014	12.1	100	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143399.D
Acq On : 15 Aug 2025 03:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 13:04:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 3

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143399.D
Acq On : 15 Aug 2025 03:54
Operator : RC/JU
Sample : SSTDCCC040
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Quant Time: Aug 15 13:04:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	92	0.00
2	1,4-Dioxane	40.000	38.788	3.0	90	-0.02
3	Pyridine	40.000	35.812	10.5	81	-0.02
4	n-Nitrosodimethylamine	40.000	34.837	12.9	79	-0.02
5 S	2-Fluorophenol	80.000	74.777	6.5	84	0.00
6	Aniline	40.000	34.903	12.7	79	0.00
7 S	Phenol-d6	80.000	71.476	10.7	81	0.00
8	2-Chlorophenol	40.000	38.646	3.4	87	0.00
9	Benzaldehyde	40.000	32.775	18.1	73	0.00
10 C	Phenol	40.000	35.572	11.1	81	0.00
11	bis(2-Chloroethyl)ether	40.000	35.987	10.0	82	0.00
12	1,3-Dichlorobenzene	40.000	36.378	9.1	83	0.00
13 C	1,4-Dichlorobenzene	40.000	36.389	9.0	85	0.00
14	1,2-Dichlorobenzene	40.000	36.325	9.2	84	0.00
15	Benzyl Alcohol	40.000	37.031	7.4	83	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	33.932	15.2	78	0.00
17	2-Methylphenol	40.000	37.170	7.1	84	0.00
18	Hexachloroethane	40.000	39.741	0.6	89	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	34.078	14.8	79	0.00
20	3+4-Methylphenols	40.000	36.093	9.8	81	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22	Acetophenone	40.000	34.939	12.7	80	0.00
23 S	Nitrobenzene-d5	80.000	78.460	1.9	84	0.00
24	Nitrobenzene	40.000	38.363	4.1	83	0.00
25	Isophorone	40.000	35.375	11.6	80	0.00
26 C	2-Nitrophenol	40.000	46.487	-16.2	115	0.00
27	2,4-Dimethylphenol	40.000	38.079	4.8	83	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.367	9.1	82	0.00
29 C	2,4-Dichlorophenol	40.000	39.458	1.4	86	0.00
30	1,2,4-Trichlorobenzene	40.000	37.571	6.1	85	0.00
31	Naphthalene	40.000	36.045	9.9	82	0.00
32	Benzoic acid	40.000	44.034	-10.1	105	0.01
33	4-Chloroaniline	40.000	36.342	9.1	82	0.00
34 C	Hexachlorobutadiene	40.000	38.562	3.6	86	0.00
35	Caprolactam	40.000	39.416	1.5	84	0.00
36 C	4-Chloro-3-methylphenol	40.000	36.961	7.6	81	0.00
37	2-Methylnaphthalene	40.000	36.070	9.8	82	0.00
38	1-Methylnaphthalene	40.000	35.896	10.3	82	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	89	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.276	6.8	84	0.00
41 P	Hexachlorocyclopentadiene	40.000	52.784	-32.0#	129	0.00
42 S	2,4,6-Tribromophenol	80.000	86.257	-7.8	88	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.302	-3.3	86	0.00
44	2,4,5-Trichlorophenol	40.000	39.752	0.6	82	0.00
45 S	2-Fluorobiphenyl	80.000	72.124	9.8	84	0.00
46	1,1'-Biphenyl	40.000	36.146	9.6	82	0.00
47	2-Chloronaphthalene	40.000	36.686	8.3	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143399.D
Acq On : 15 Aug 2025 03:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 13:04:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	39.015	2.5	89	0.00
49	Acenaphthylene	40.000	36.320	9.2	82	0.00
50	Dimethylphthalate	40.000	37.964	5.1	84	0.00
51	2,6-Dinitrotoluene	40.000	43.044	-7.6	99	0.00
52 C	Acenaphthene	40.000	36.404	9.0	82	0.00
53	3-Nitroaniline	40.000	42.759	-6.9	87	0.00
54 P	2,4-Dinitrophenol	40.000	51.347	-28.4#	131	0.00
55	Dibenzofuran	40.000	35.775	10.6	81	0.00
56 P	4-Nitrophenol	40.000	41.856	-4.6	96	0.00
57	2,4-Dinitrotoluene	40.000	42.395	-6.0	95	0.00
58	Fluorene	40.000	34.878	12.8	80	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	43.560	-8.9	90	0.00
60	Diethylphthalate	40.000	38.637	3.4	83	0.00
61	4-Chlorophenyl-phenylether	40.000	36.713	8.2	82	0.00
62	4-Nitroaniline	40.000	40.094	-0.2	83	0.00
63	Azobenzene	40.000	34.469	13.8	77	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	40.000	48.521	-21.3	120	0.00
66 c	n-Nitrosodiphenylamine	40.000	36.871	7.8	80	0.00
67	4-Bromophenyl-phenylether	40.000	38.580	3.6	83	0.00
68	Hexachlorobenzene	40.000	37.421	6.4	82	0.00
69	Atrazine	40.000	42.535	-6.3	89	0.00
70 C	Pentachlorophenol	40.000	94.322	-135.8#	231	0.00
71	Phenanthrene	40.000	35.740	10.6	78	0.00
72	Anthracene	40.000	35.318	11.7	78	0.00
73	Carbazole	40.000	35.043	12.4	77	0.00
74	Di-n-butylphthalate	40.000	45.343	-13.4	91	0.00
75 C	Fluoranthene	40.000	36.199	9.5	82	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	103	0.00
77	Benzydine	40.000	39.424	1.4	94	0.00
78	Pyrene	40.000	31.829	20.4	83	0.00
79 S	Terphenyl-d14	80.000	65.955	17.6	87	0.00
80	Butylbenzylphthalate	40.000	53.579	-33.9#	152	0.00
81	Benzo(a)anthracene	40.000	35.382	11.5	92	0.00
82	3,3'-Dichlorobenzidine	40.000	44.142	-10.4	107	0.00
83	Chrysene	40.000	37.405	6.5	97	0.01
84	Bis(2-ethylhexyl)phthalate	40.000	51.348	-28.4#	147	0.00
85 c	Di-n-octyl phthalate	40.000	47.658	-19.1	134	0.01
86 I	Perylene-d12	20.000	20.000	0.0	115	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	36.148	9.6	103	0.02
88	Benzo(b)fluoranthene	40.000	38.730	3.2	109	0.00
89	Benzo(k)fluoranthene	40.000	34.263	14.3	101	0.01
90 C	Benzo(a)pyrene	40.000	36.858	7.9	106	0.01
91	Dibenzo(a,h)anthracene	40.000	35.627	10.9	100	0.02
92	Benzo(g,h,i)perylene	40.000	35.184	12.0	100	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143399.D
Acq On : 15 Aug 2025 03:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 13:04:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
----------	--------	-------	------	-------	----------

(#) = Out of Range

SPCC's out = 0 CCC's out = 1



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/15/2025 12:45</u>
Lab File ID:	<u>BF143414.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>09:03 12:38</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.157	0.947		-18.1	50.0
Benzaldehyde	0.980	0.712		-27.3	50.0
Phenol-d6	1.483	1.193		-19.6	50.0
Phenol	1.757	1.426		-18.8	50.0
bis(2-Chloroethyl)ether	1.295	1.043		-19.5	50.0
2-Chlorophenol	1.236	1.054		-14.7	50.0
2-Methylphenol	1.043	0.867		-16.9	50.0
2,2-oxybis(1-Chloropropane)	2.312	1.796		-22.3	50.0
Acetophenone	0.441	0.354		-19.7	50.0
3+4-Methylphenols	1.262	1.071		-15.1	50.0
n-Nitroso-di-n-propylamine	0.916	0.747	0.050	-18.5	50.0
Nitrobenzene-d5	0.321	0.283		-11.8	50.0
Hexachloroethane	0.449	0.405		-9.8	50.0
Nitrobenzene	0.349	0.297		-14.9	50.0
Isophorone	0.656	0.540		-17.7	50.0
2-Nitrophenol	0.118	0.145		22.9	50.0
2,4-Dimethylphenol	0.274	0.238		-13.1	50.0
bis(2-Chloroethoxy)methane	0.400	0.331		-17.3	50.0
2,4-Dichlorophenol	0.267	0.236		-11.6	50.0
Naphthalene	0.962	0.784		-18.5	50.0
4-Chloroaniline	0.347	0.289		-16.7	50.0
Hexachlorobutadiene	0.175	0.152		-13.1	50.0
Caprolactam	0.075	0.072		-4.0	50.0
4-Chloro-3-methylphenol	0.280	0.243		-13.2	50.0
2-Methylnaphthalene	0.633	0.537		-15.2	50.0
Hexachlorocyclopentadiene	0.158	0.142	0.050	-10.1	50.0
2,4,6-Trichlorophenol	0.311	0.287		-7.7	50.0
2-Fluorobiphenyl	1.179	0.962		-18.4	50.0
2,4,5-Trichlorophenol	0.351	0.311		-11.4	50.0
1,1-Biphenyl	1.414	1.152		-18.5	50.0
2-Chloronaphthalene	1.114	0.905		-18.8	50.0
2-Nitroaniline	0.284	0.284		0.0	50.0
Dimethylphthalate	1.169	1.059		-9.4	50.0
Acenaphthylene	1.608	1.310		-18.5	50.0
2,6-Dinitrotoluene	0.193	0.222		15.0	50.0
3-Nitroaniline	0.239	0.241		0.8	50.0
Acenaphthene	1.069	0.850		-20.5	50.0
2,4-Dinitrophenol	0.065	0.042	0.050	-35.4	50.0
4-Nitrophenol	0.163	0.131	0.050	-19.6	50.0



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_F Calibration Date/Time: 08/15/2025 12:45
 Lab File ID: BF143414.D Init. Calib. Date(s): 08/12/2025 08/12/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 09:03 12:38
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.271		-17.4	50.0
2,4-Dinitrotoluene	0.256	0.295		15.2	50.0
Diethylphthalate	1.047	1.010		-3.5	50.0
4-Chlorophenyl-phenylether	0.568	0.491		-13.6	50.0
Fluorene	1.175	0.950		-19.1	50.0
4-Nitroaniline	0.232	0.219		-5.6	50.0
4,6-Dinitro-2-methylphenol	0.069	0.064		-7.2	50.0
n-Nitrosodiphenylamine	0.659	0.548		-16.8	50.0
2,4,6-Tribromophenol	0.146	0.148		1.4	50.0
4-Bromophenyl-phenylether	0.229	0.201		-12.2	50.0
Hexachlorobenzene	0.247	0.207		-16.2	50.0
Atrazine	0.172	0.185		7.0	50.0
Pentachlorophenol	0.101	0.083		-17.8	50.0
Phenanthrene	1.091	0.875		-19.8	50.0
Anthracene	1.107	0.890		-19.6	50.0
Carbazole	0.942	0.743		-21.1	50.0
Di-n-butylphthalate	0.798	0.951		19.2	50.0
Fluoranthene	0.956	0.752		-21.3	50.0
Pyrene	1.678	1.252		-25.4	50.0
Terphenyl-d14	1.120	0.922		-17.7	50.0
Butylbenzylphthalate	0.284	0.454		59.9	50.0
3,3-Dichlorobenzidine	0.343	0.331		-3.5	50.0
Benzo (a) anthracene	1.271	1.019		-19.8	50.0
Chrysene	1.185	0.984		-17.0	50.0
Bis (2-ethylhexyl) phthalate	0.403	0.592		46.9	50.0
Di-n-octyl phthalate	0.860	1.033		20.1	50.0
Benzo (b) fluoranthene	1.094	0.989		-9.6	50.0
Benzo (k) fluoranthene	1.063	0.880		-17.2	50.0
Benzo (a) pyrene	1.030	0.859		-16.6	50.0
Indeno (1,2,3-cd) pyrene	1.433	0.897		-37.4	50.0
Dibenzo (a,h) anthracene	1.145	0.737		-35.6	50.0
Benzo (g,h,i) perylene	1.153	0.661		-42.7	50.0
1,2,4,5-Tetrachlorobenzene	0.547	0.455		-16.8	50.0
1,4-Dioxane	0.598	0.439		-26.6	50.0
2,3,4,6-Tetrachlorophenol	0.236	0.228		-3.4	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143414.D
Acq On : 15 Aug 2025 12:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 15 13:01:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	132531	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	517048	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	290133	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	440724	20.000	ng	0.00
76) Chrysene-d12	14.098	240	263251	20.000	ng	0.00
86) Perylene-d12	15.592	264	287708	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	501865	65.483	ng	0.00
7) Phenol-d6	6.563	99	632566	64.363	ng	0.00
23) Nitrobenzene-d5	7.492	82	586323	70.617	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	171695	80.975	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1116757	65.272	ng	0.00
79) Terphenyl-d14	13.039	244	970470	65.816	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.722	88	116348	29.338	ng	97
3) Pyridine	3.504	79	314400	29.750	ng	98
4) n-Nitrosodimethylamine	3.440	42	143636	29.178	ng	95
6) Aniline	6.592	93	435030	31.397	ng	96
8) 2-Chlorophenol	6.722	128	279422	34.120	ng	97
9) Benzaldehyde	6.481	77	188756	29.058	ng	97
10) Phenol	6.581	94	377915	32.459	ng	92
11) bis(2-Chloroethyl)ether	6.663	93	276577	32.232	ng	99
12) 1,3-Dichlorobenzene	6.875	146	310626	32.885	ng	99
13) 1,4-Dichlorobenzene	6.951	146	313512	33.070	ng	99
14) 1,2-Dichlorobenzene	7.104	146	297152	33.020	ng	99
15) Benzyl Alcohol	7.069	79	242210	34.380	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.204	45	475921	31.066	ng	99
17) 2-Methylphenol	7.187	107	229936	33.263	ng	98
18) Hexachloroethane	7.445	117	107231	36.078	ng	99
19) n-Nitroso-di-n-propyla...	7.339	70	198094	32.620	ng	99
20) 3+4-Methylphenols	7.334	107	283796	33.947	ng	99
22) Acetophenone	7.339	105	365619	32.094	ng	97
24) Nitrobenzene	7.510	77	306868	34.031	ng	99
25) Isophorone	7.751	82	558781	32.967	ng	99
26) 2-Nitrophenol	7.828	139	150133	42.036	ng	99
27) 2,4-Dimethylphenol	7.863	122	246303m	34.831	ng	
28) bis(2-Chloroethoxy)met...	7.957	93	342133	33.061	ng	99
29) 2,4-Dichlorophenol	8.075	162	243882	35.311	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	246099	33.779	ng	100
31) Naphthalene	8.239	128	810500	32.577	ng	100
32) Benzoic acid	7.969	122	107890	38.012	ng	99
33) 4-Chloroaniline	8.281	127	299367	33.361	ng	100
34) Hexachlorobutadiene	8.357	225	157186	34.683	ng	99
35) Caprolactam	8.639	113	74885	38.568	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	251420	34.724	ng	100
37) 2-Methylnaphthalene	8.928	142	554956	33.929	ng	100
38) 1-Methylnaphthalene	9.028	142	529993	33.644	ng	99
40) 1,2,4,5-Tetrachloroben...	9.098	216	264167	33.273	ng	100
41) Hexachlorocyclopentadiene	9.086	237	82626	33.685	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	166424	36.945	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143414.D
 Acq On : 15 Aug 2025 12:45
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 15 13:01:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	180539	35.491	ng	98
46) 1,1'-Biphenyl	9.392	154	668180	32.572	ng	99
47) 2-Chloronaphthalene	9.416	162	525241	32.510	ng	99
48) 2-Nitroaniline	9.510	65	164879	36.111	ng	97
49) Acenaphthylene	9.833	152	760268	32.585	ng	99
50) Dimethylphthalate	9.680	163	614540	36.250	ng	100
51) 2,6-Dinitrotoluene	9.745	165	128875	40.656	ng	92
52) Acenaphthene	10.004	154	493236	31.799	ng	99
53) 3-Nitroaniline	9.916	138	139833	40.277	ng	97
54) 2,4-Dinitrophenol	10.028	184	24625	29.103	ng	90
55) Dibenzofuran	10.175	168	737792	33.049	ng	100
56) 4-Nitrophenol	10.080	139	75898	30.958	ng	98
57) 2,4-Dinitrotoluene	10.151	165	171422	40.754	ng	89
58) Fluorene	10.522	166	551057	32.317	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.298	232	132484	38.636	ng	97
60) Diethylphthalate	10.386	149	586261	38.608	ng	99
61) 4-Chlorophenyl-phenyle...	10.510	204	284659	34.550	ng	100
62) 4-Nitroaniline	10.527	138	127282	37.893	ng	99
63) Azobenzene	10.669	77	563404	32.483	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	56010	33.921	ng	90
66) n-Nitrosodiphenylamine	10.622	169	483005	33.283	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	177054	35.127	ng	97
68) Hexachlorobenzene	11.075	284	182234	33.541	ng	97
69) Atrazine	11.151	200	162627	42.966	ng	98
70) Pentachlorophenol	11.269	266	73538	31.527	ng	97
71) Phenanthrene	11.480	178	770997	32.064	ng	100
72) Anthracene	11.533	178	784923	32.187	ng	98
73) Carbazole	11.686	167	654998	31.538	ng	99
74) Di-n-butylphthalate	12.010	149	837836	47.674	ng	100
75) Fluoranthene	12.669	202	663149	31.484	ng	99
77) Benzidine	12.786	184	254862	35.412	ng	98
78) Pyrene	12.898	202	659217	29.850	ng	99
80) Butylbenzylphthalate	13.510	149	238799	54.249	ng	97
81) Benzo(a)anthracene	14.086	228	536603	32.070	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	174378	38.596	ng	99
83) Chrysene	14.121	228	518068	33.206	ng	100
84) Bis(2-ethylhexyl)phtha...	14.068	149	311459	48.477	ng	97
85) Di-n-octyl phthalate	14.686	149	543645	43.223	ng	94
87) Indeno(1,2,3-cd)pyrene	17.121	276	516402	25.053	ng	99
88) Benzo(b)fluoranthene	15.151	252	568955	36.155	ng	99
89) Benzo(k)fluoranthene	15.180	252	506257	33.108	ng	99
90) Benzo(a)pyrene	15.527	252	494384	33.357	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	424135	25.756	ng	98
92) Benzo(g,h,i)perylene	17.574	276	380387	22.931	ng	100

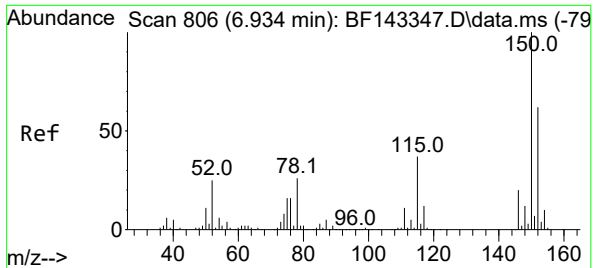
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

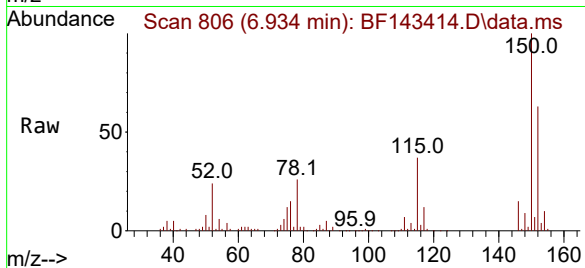
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jaagrut Upadhyay 08/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

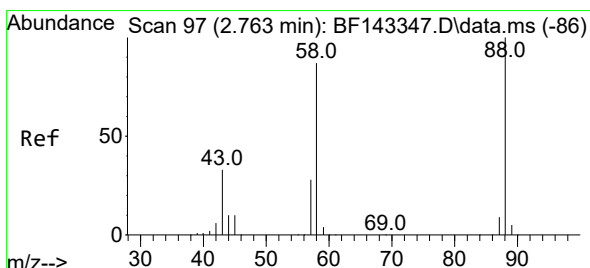
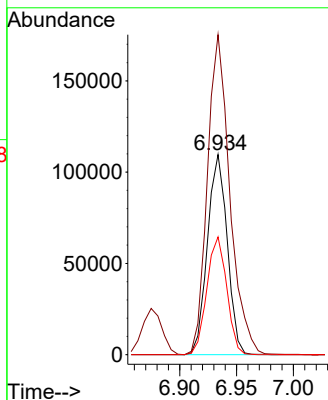
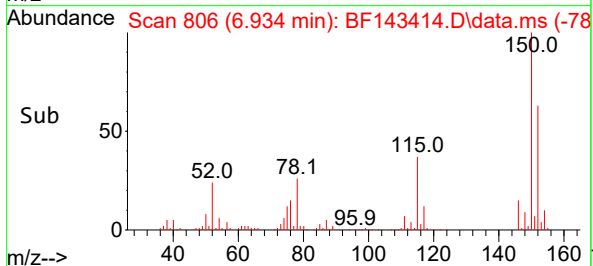
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion: 152 Resp: 13253
Ion Ratio Lower Upper
152 100
150 159.9 129.8 194.8
115 58.8 47.8 71.8

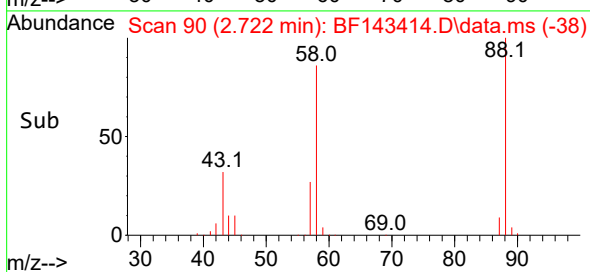
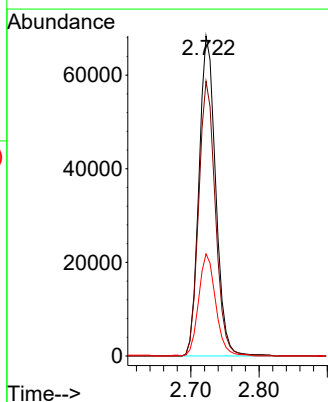
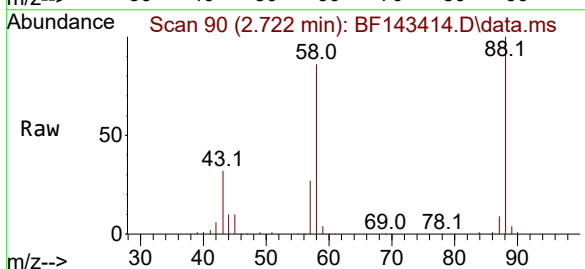
Manual Integrations
APPROVED

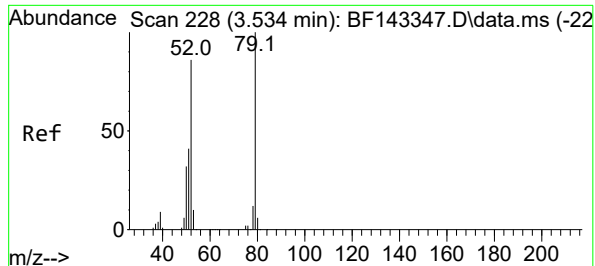
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#2
1,4-Dioxane
Concen: 29.338 ng
RT: 2.722 min Scan# 90
Delta R.T. -0.041 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

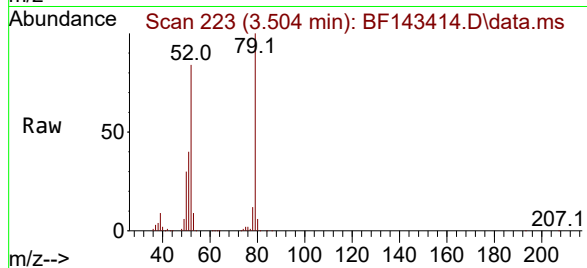
Tgt Ion: 88 Resp: 116348
Ion Ratio Lower Upper
88 100
58 85.9 71.0 106.6
43 32.6 27.0 40.6





#3
Pyridine
Concen: 29.750 ng
RT: 3.504 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

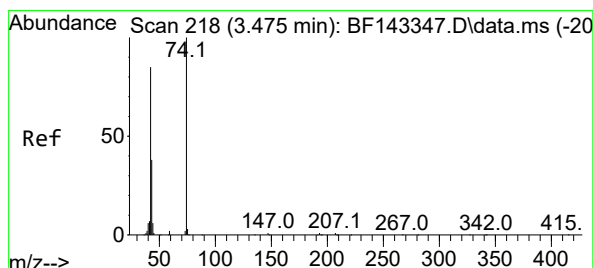
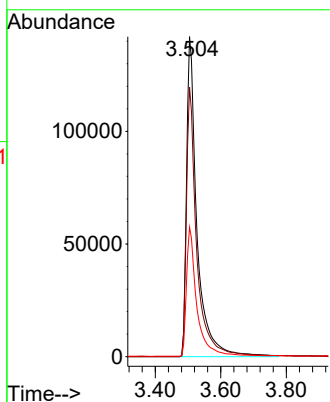
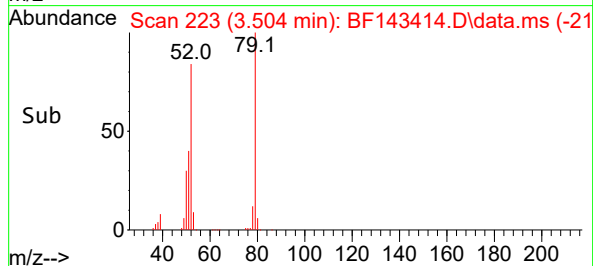
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



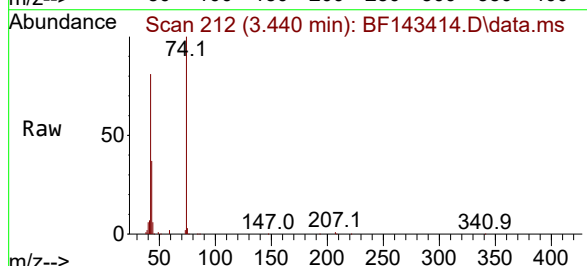
Tgt Ion: 79 Resp: 314400
Ion Ratio Lower Upper
79 100
52 84.3 68.7 103.1
51 40.5 33.4 50.0

Manual Integrations
APPROVED

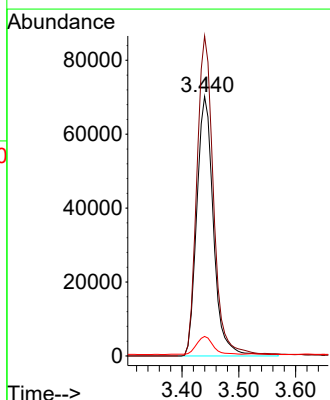
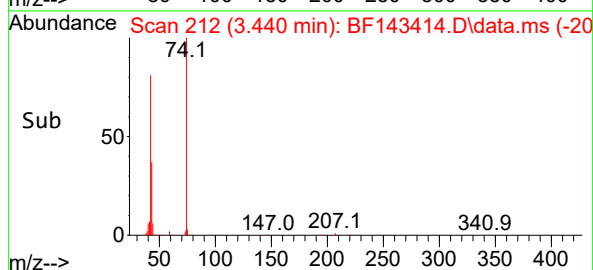
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

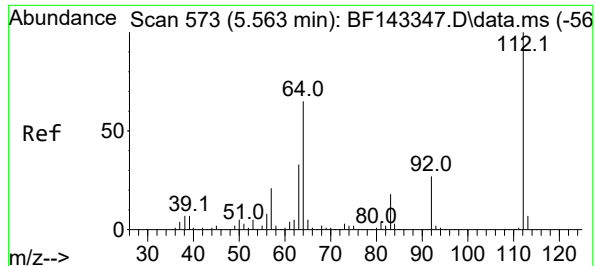


#4
n-Nitrosodimethylamine
Concen: 29.178 ng
RT: 3.440 min Scan# 212
Delta R.T. -0.035 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



Tgt Ion: 42 Resp: 143636
Ion Ratio Lower Upper
42 100
74 123.3 94.1 141.1
44 7.5 6.5 9.7





#5

2-Fluorophenol

Concen: 65.483 ng

RT: 5.563 min Scan# 51

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDC040EC

Tgt Ion:112 Resp: 50186

Ion Ratio Lower Upper

112 100

64 63.1 52.1 78.1

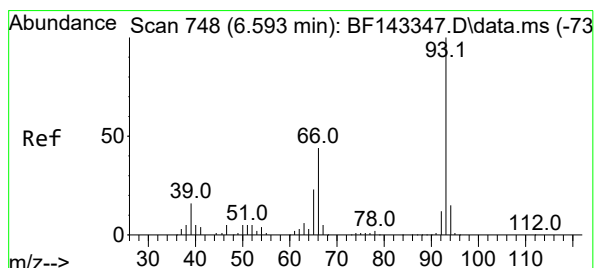
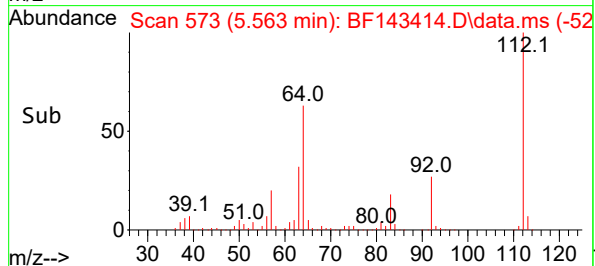
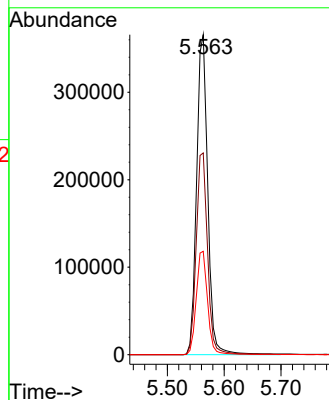
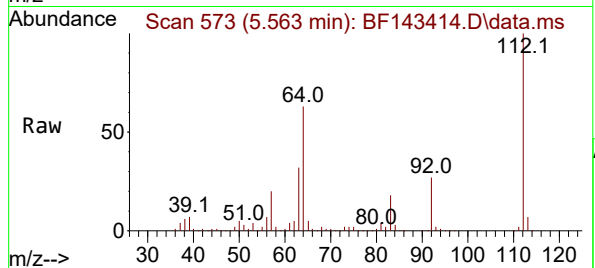
63 32.3 26.6 39.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#6

Aniline

Concen: 31.397 ng

RT: 6.592 min Scan# 748

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

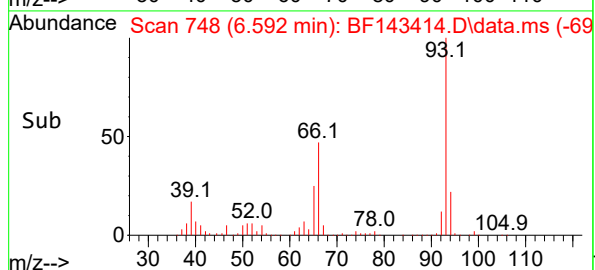
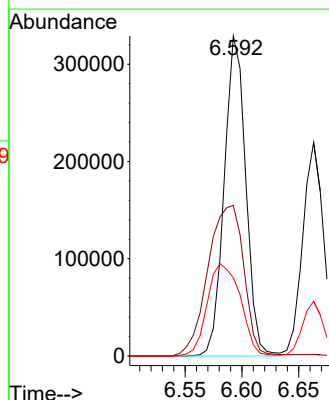
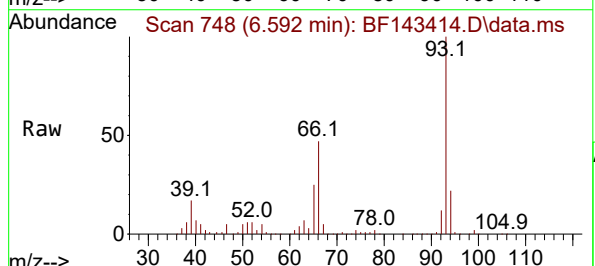
Tgt Ion: 93 Resp: 435030

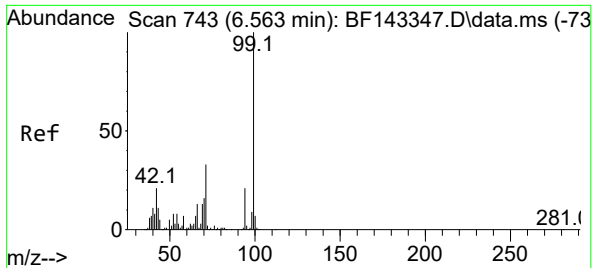
Ion Ratio Lower Upper

93 100

66 47.0 35.3 52.9

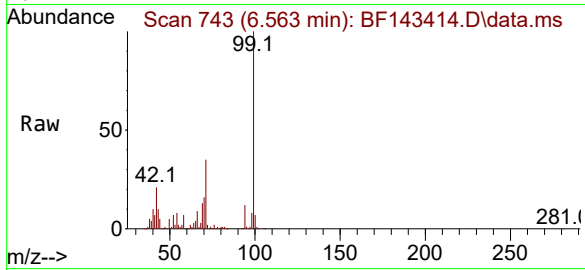
65 24.5 18.2 27.4





#7
Phenol-d6
Concen: 64.363 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

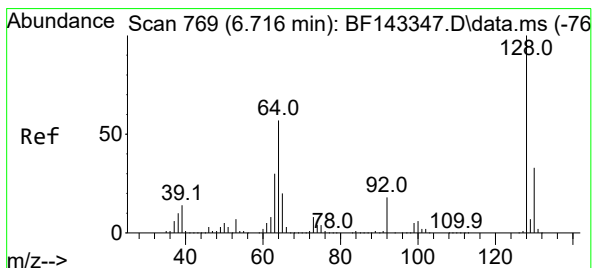
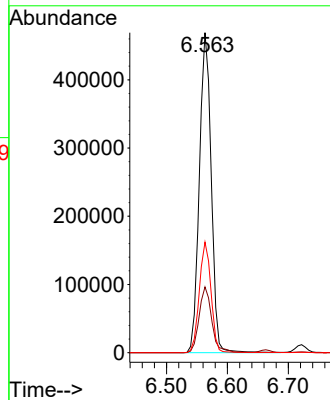
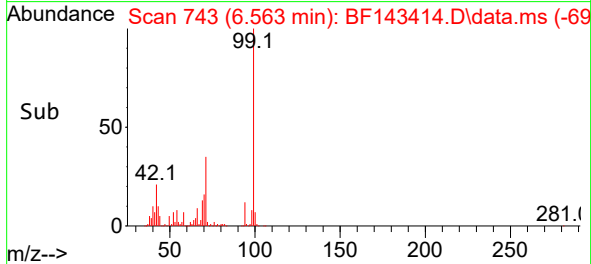
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



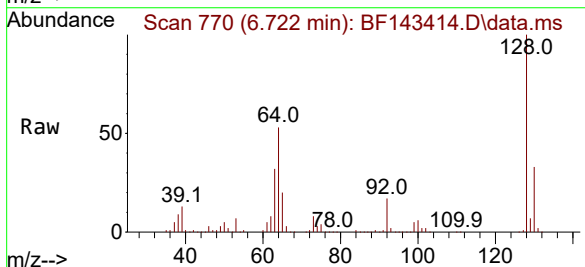
Tgt Ion: 99 Resp: 632560
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 34.5 26.2 39.2

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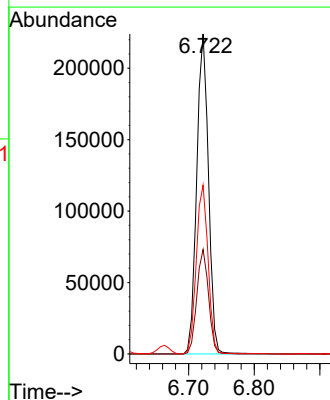
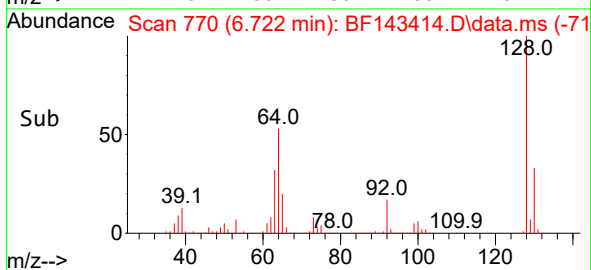
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

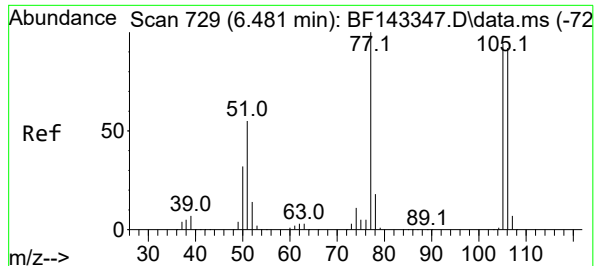


#8
2-Chlorophenol
Concen: 34.120 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



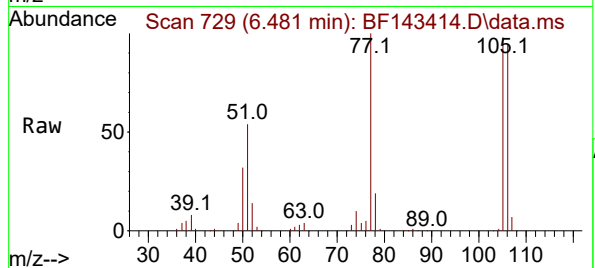
Tgt Ion:128 Resp: 279422
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 52.8 36.7 76.7





#9
Benzaldehyde
Concen: 29.058 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

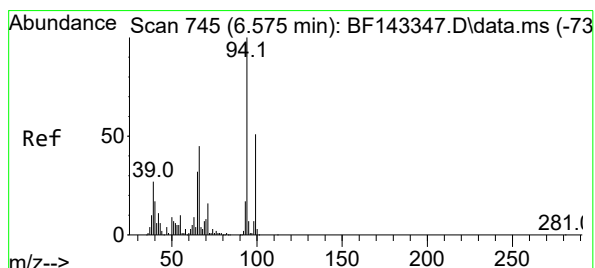
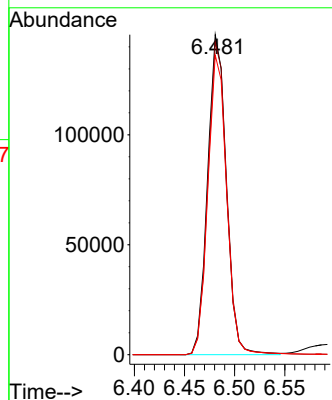
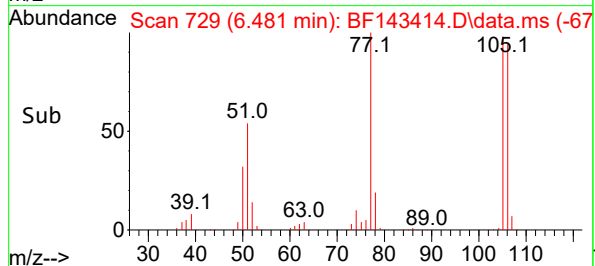
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



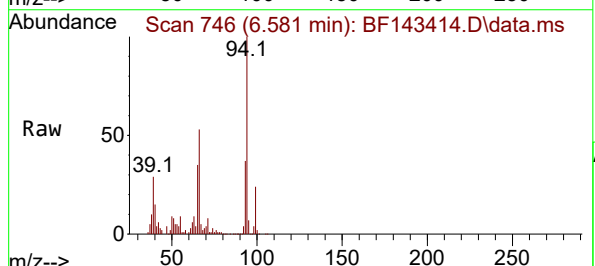
Tgt Ion: 77 Resp: 188750
Ion Ratio Lower Upper
77 100
105 97.6 74.2 114.2
106 93.6 72.2 112.2

Manual Integrations
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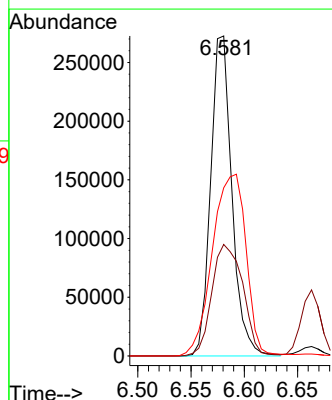
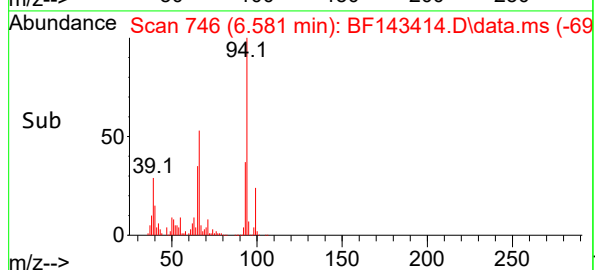
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

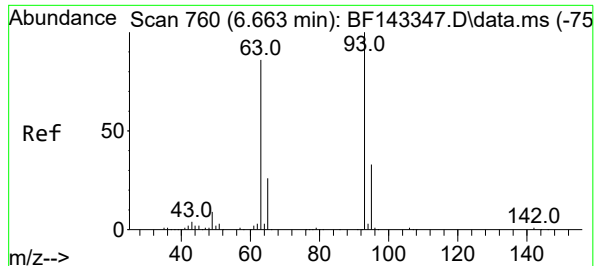


#10
Phenol
Concen: 32.459 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



Tgt Ion: 94 Resp: 377915
Ion Ratio Lower Upper
94 100
65 34.8 12.0 52.0
66 52.5 25.6 65.6





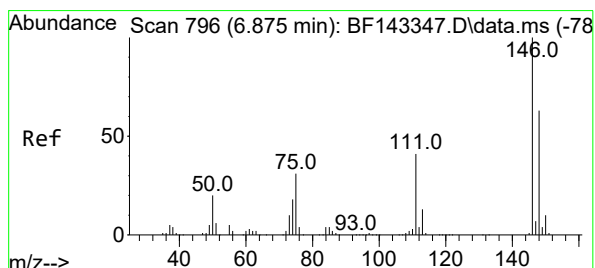
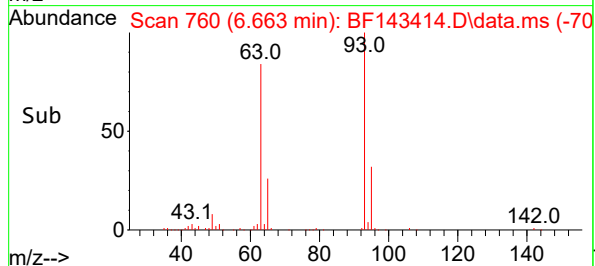
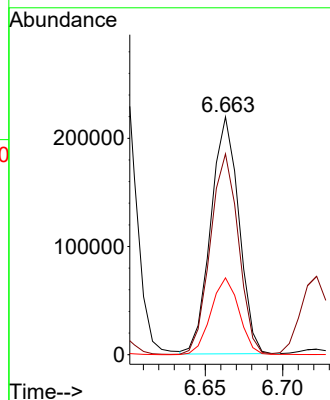
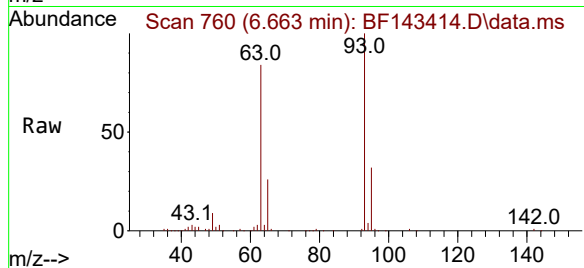
#11
bis(2-Chloroethyl)ether
Concen: 32.232 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 27657
Ion Ratio Lower Upper
93 100
63 84.4 65.7 105.7
95 32.3 13.0 53.0

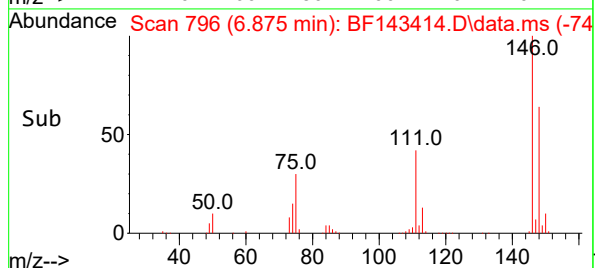
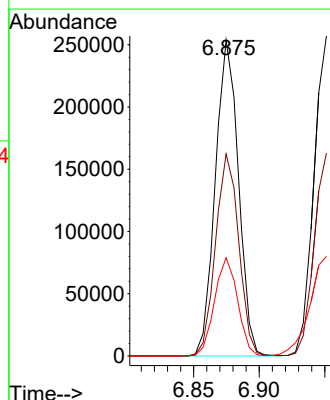
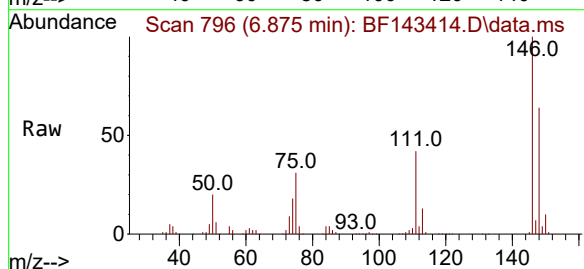
Manual Integrations
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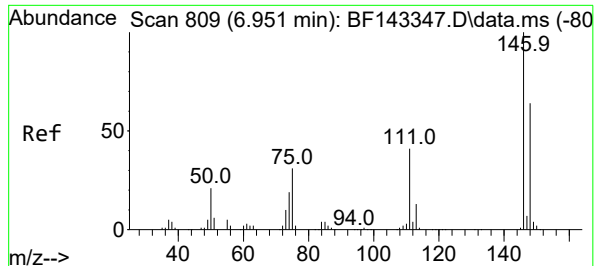
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#12
1,3-Dichlorobenzene
Concen: 32.885 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:146 Resp: 310626
Ion Ratio Lower Upper
146 100
148 63.9 50.5 75.7
75 31.1 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 33.070 ng

RT: 6.951 min Scan# 809

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:146 Resp: 313512

Ion Ratio Lower Upper

146 100

148 63.4 51.4 77.0

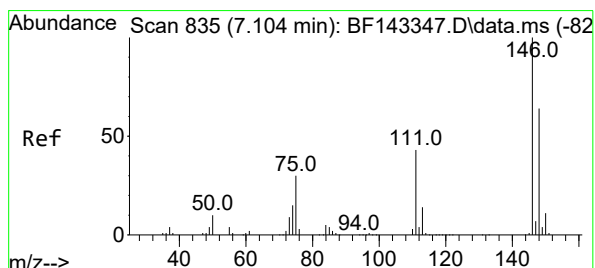
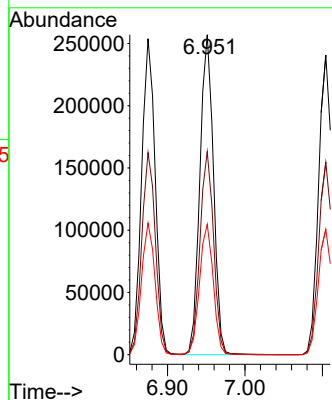
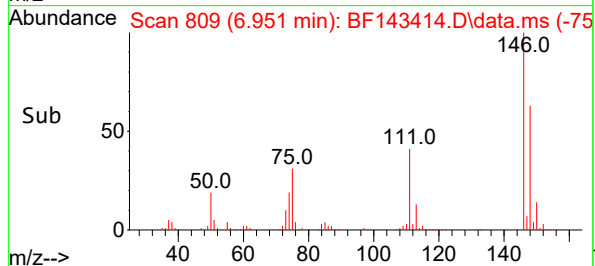
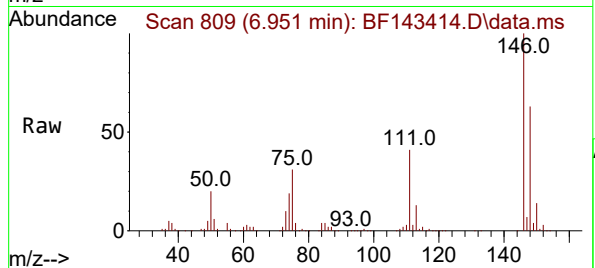
111 40.8 32.6 48.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#14

1,2-Dichlorobenzene

Concen: 33.020 ng

RT: 7.104 min Scan# 835

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

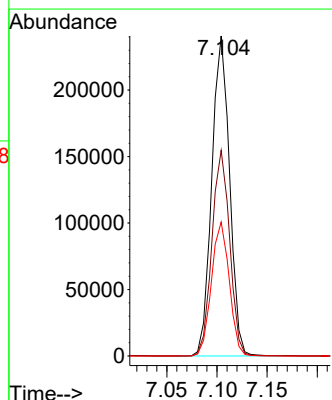
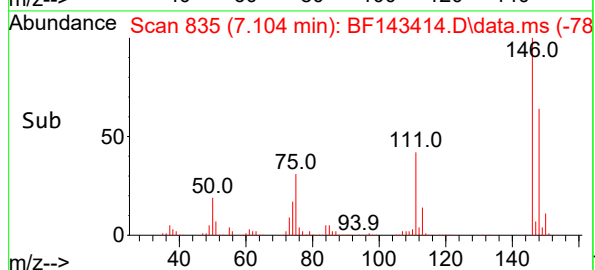
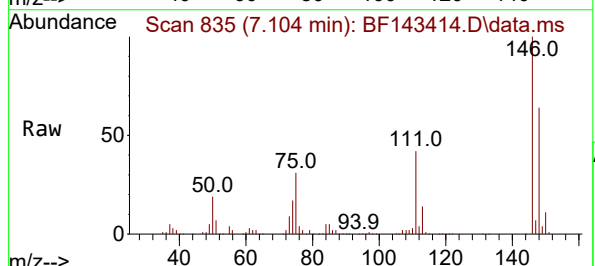
Tgt Ion:146 Resp: 297152

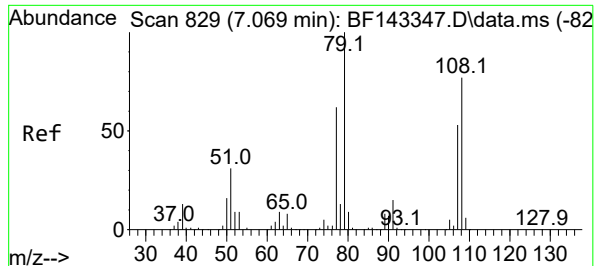
Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.2

111 41.9 34.1 51.1





#15

Benzyl Alcohol

Concen: 34.380 ng

RT: 7.069 min Scan# 801

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 79 Resp: 242210

Ion Ratio Lower Upper

79 100

108 75.5 61.5 92.3

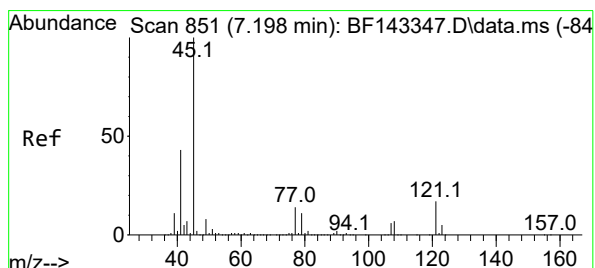
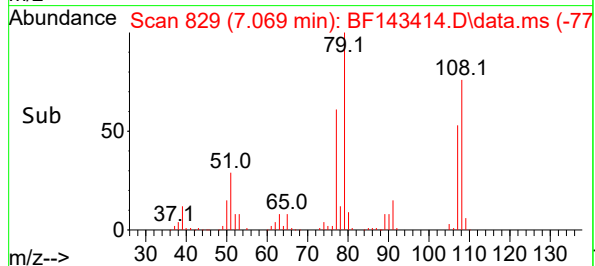
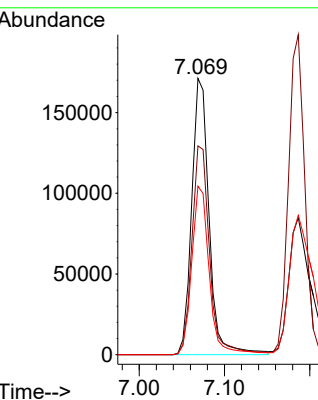
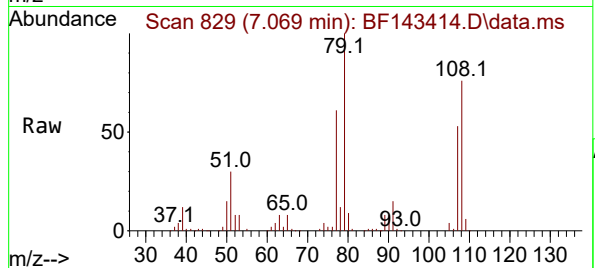
77 61.0 49.8 74.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#16

2,2'-oxybis(1-chloropropane)

Concen: 31.066 ng

RT: 7.204 min Scan# 852

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

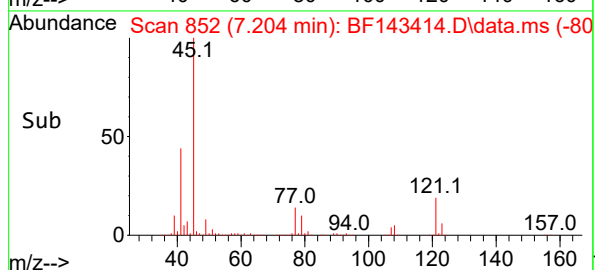
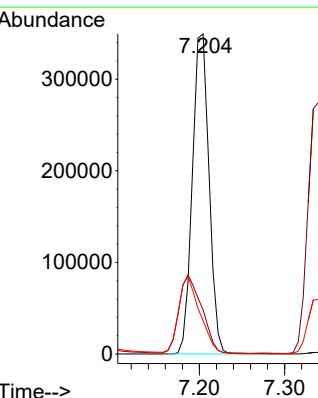
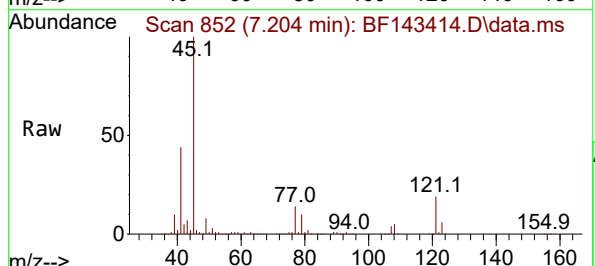
Tgt Ion: 45 Resp: 475921

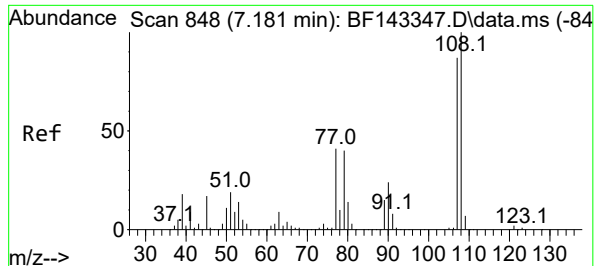
Ion Ratio Lower Upper

45 100

77 13.8 0.0 34.0

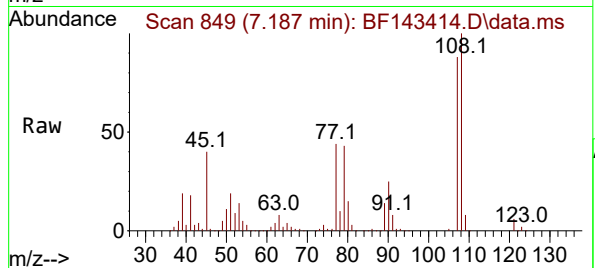
79 10.5 0.0 31.1





#17
2-Methylphenol
Concen: 33.263 ng
RT: 7.187 min Scan# 849
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

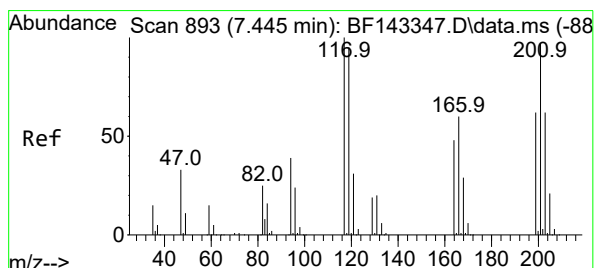
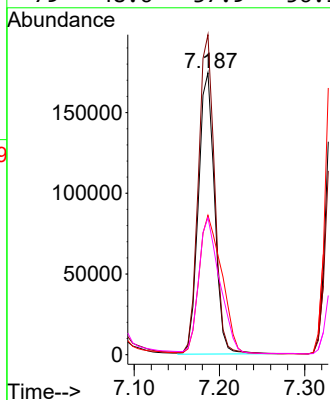
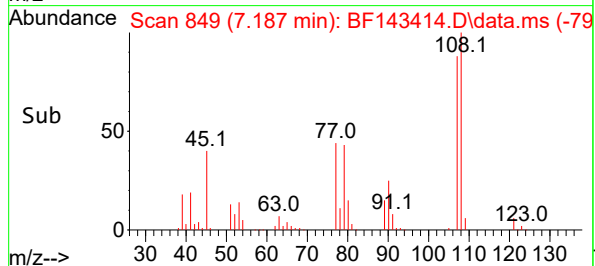
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



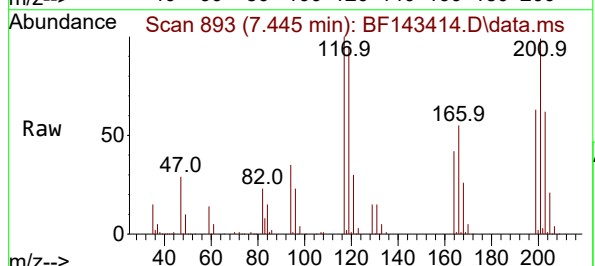
Tgt Ion:107 Resp: 229930
Ion Ratio Lower Upper
107 100
108 113.5 92.0 138.0
77 49.5 38.2 57.2
79 48.6 37.9 56.9

Manual Integrations
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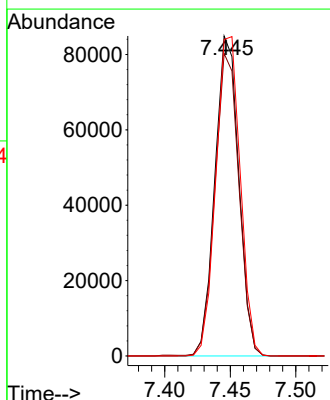
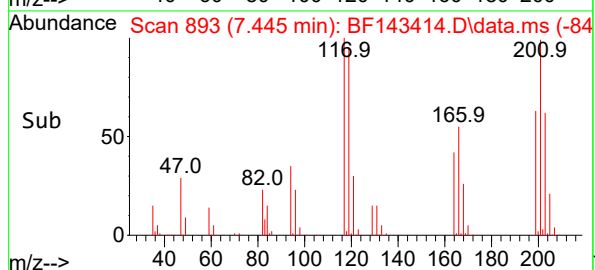
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

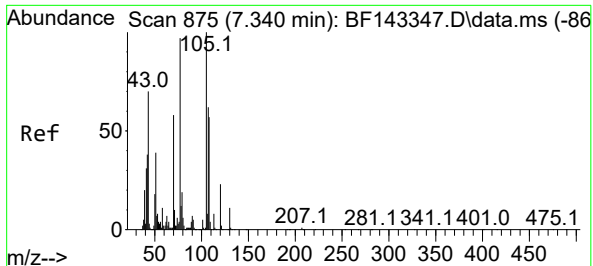


#18
Hexachloroethane
Concen: 36.078 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



Tgt Ion:117 Resp: 107231
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.8
201 98.9 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 32.620 ng

RT: 7.339 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143414.D

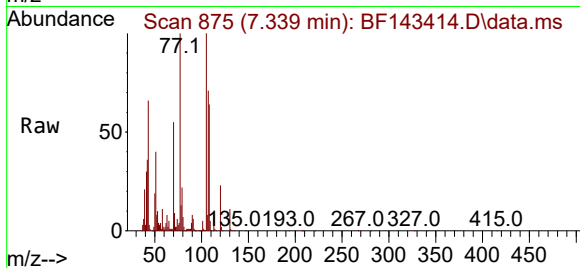
Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion: 70 Resp: 198094

Ion Ratio Lower Upper

70 100

42 64.6 51.6 77.4

101 9.7 7.5 11.3

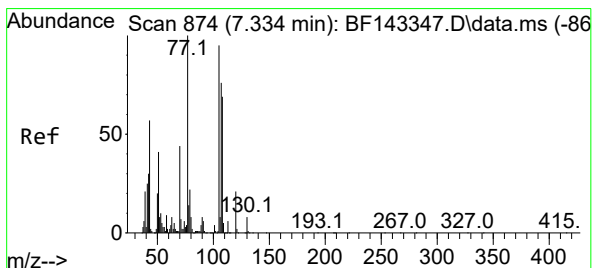
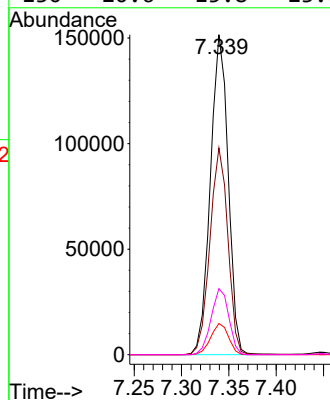
130 20.6 15.8 23.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#20

3+4-Methylphenols

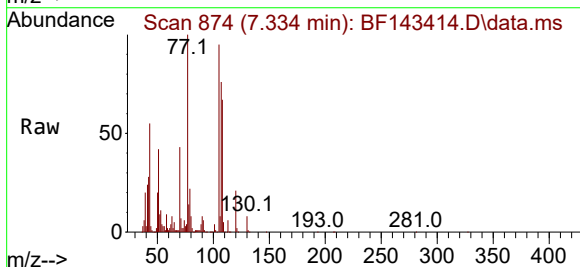
Concen: 33.947 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45



Tgt Ion:107 Resp: 283796

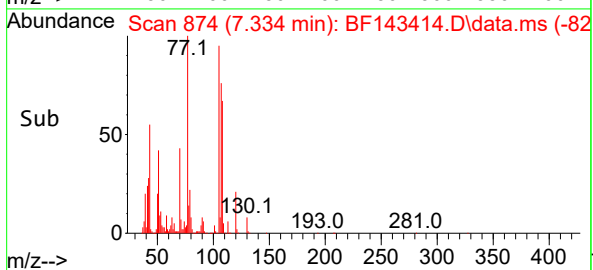
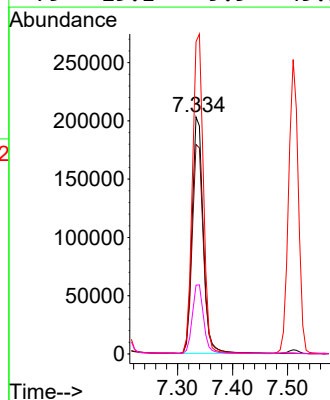
Ion Ratio Lower Upper

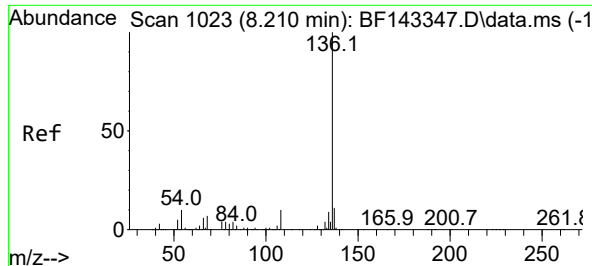
107 100

108 88.4 70.6 110.6

77 131.8 112.0 152.0

79 29.1 9.9 49.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.216 min Scan# 1023

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:136 Resp: 51704

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.5 8.4 12.6

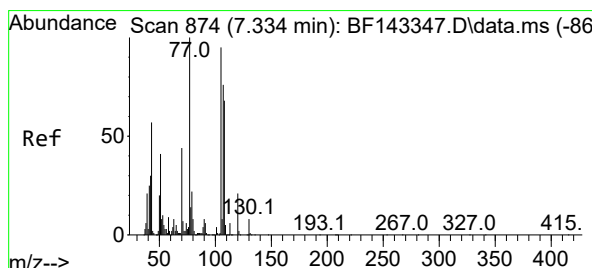
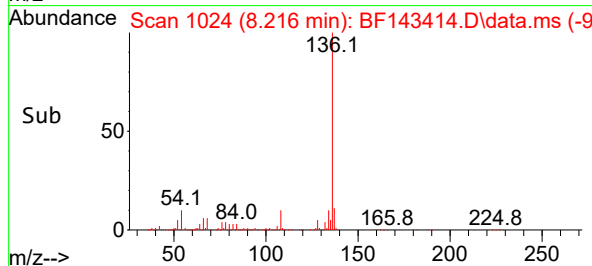
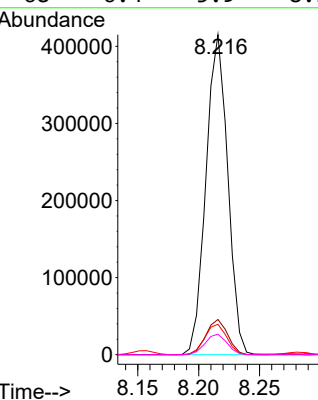
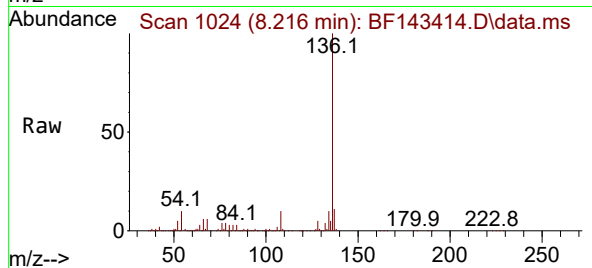
68 6.4 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#22

Acetophenone

Concen: 32.094 ng

RT: 7.339 min Scan# 875

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Tgt Ion:105 Resp: 365619

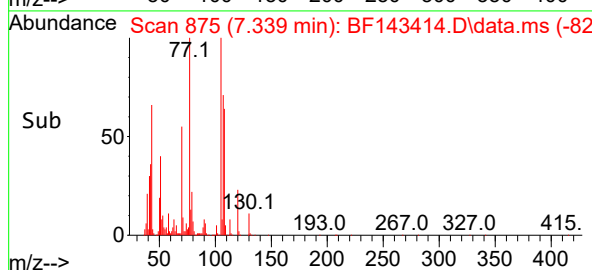
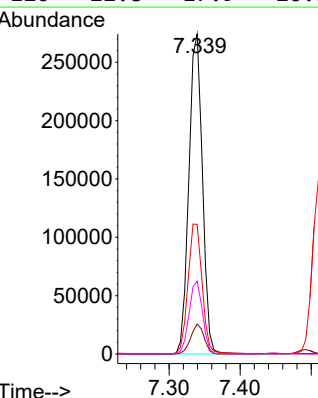
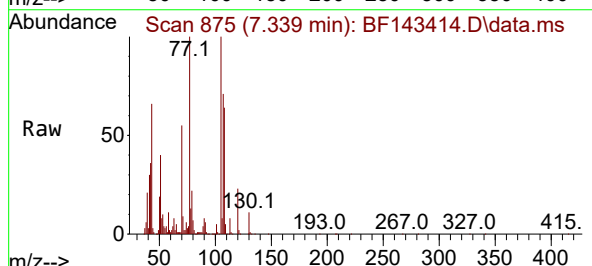
Ion Ratio Lower Upper

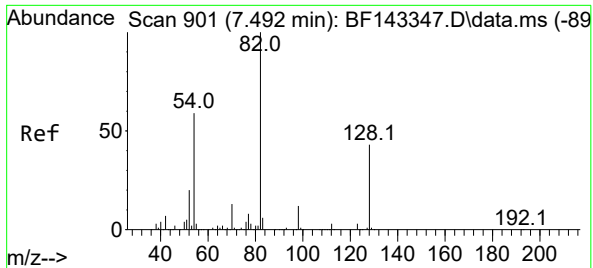
105 100

71 9.3 6.2 9.4

51 40.5 34.8 52.2

120 22.8 17.9 26.9





#23

Nitrobenzene-d5

Concen: 70.617 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 82 Resp: 58632

Ion Ratio Lower Upper

82 100

128 44.1 33.5 50.3

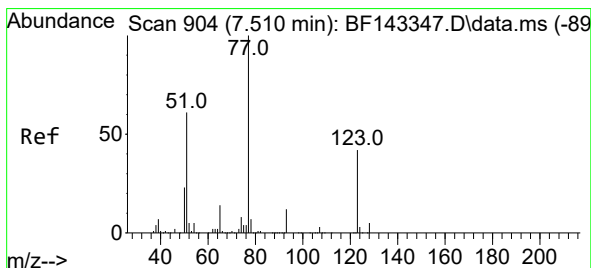
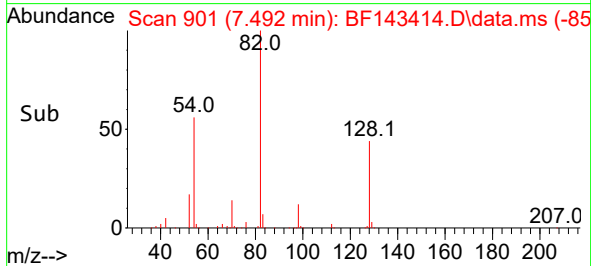
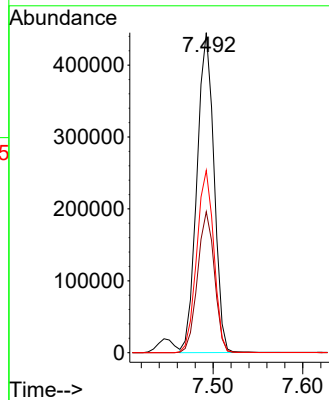
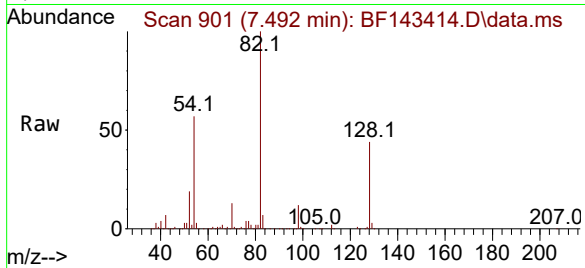
54 57.0 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#24

Nitrobenzene

Concen: 34.031 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

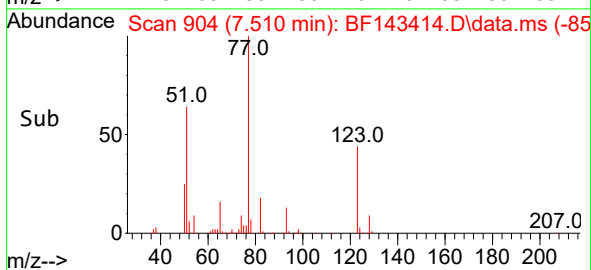
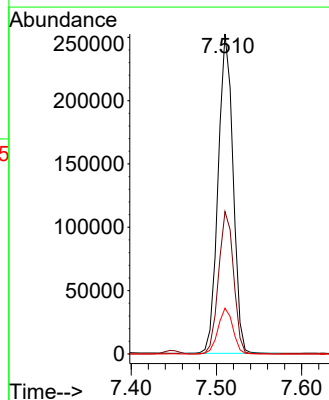
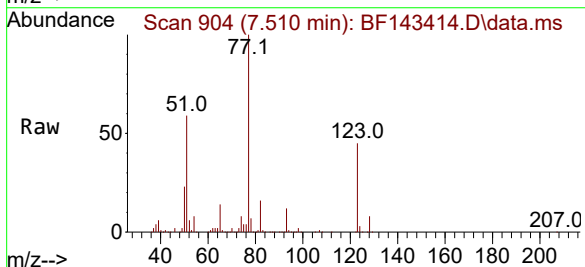
Tgt Ion: 77 Resp: 306868

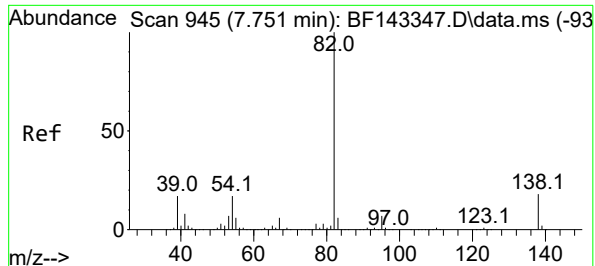
Ion Ratio Lower Upper

77 100

123 44.5 34.8 52.2

65 14.3 11.0 16.6





#25

Isophorone

Concen: 32.967 ng

RT: 7.751 min Scan# 945

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 82 Resp: 55878

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

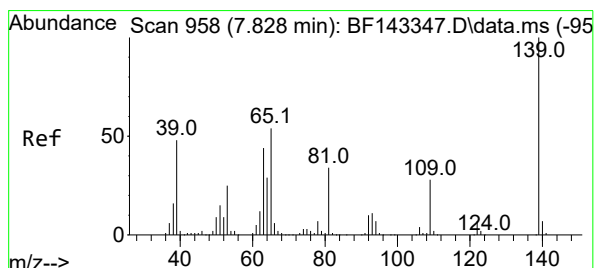
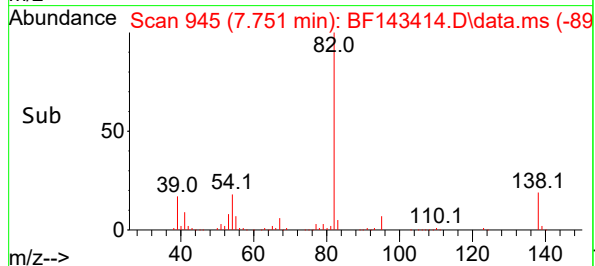
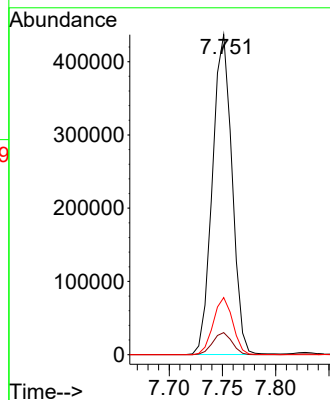
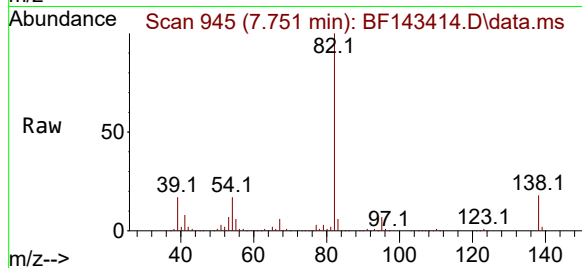
138 17.9 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#26

2-Nitrophenol

Concen: 42.036 ng

RT: 7.828 min Scan# 958

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

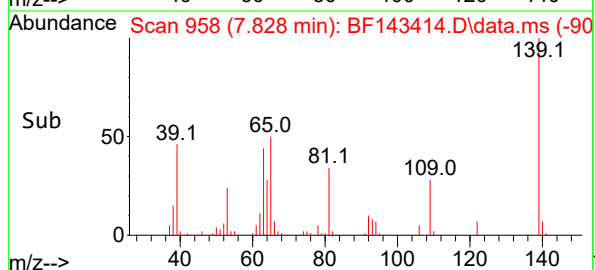
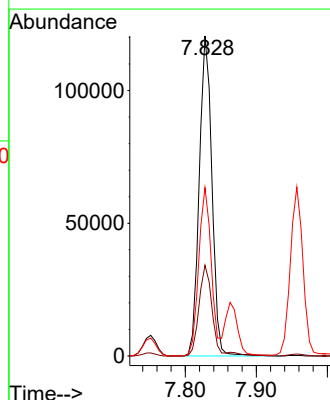
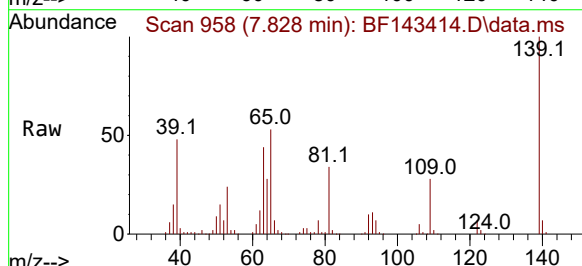
Tgt Ion:139 Resp: 150133

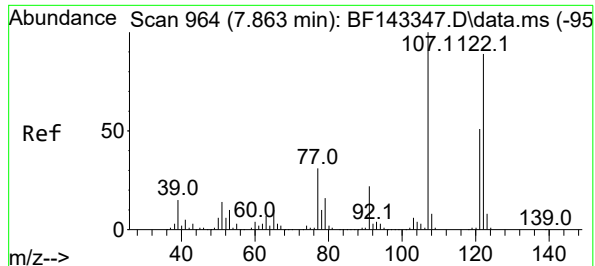
Ion Ratio Lower Upper

139 100

109 28.3 22.4 33.6

65 52.6 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 34.831 ng m

RT: 7.863 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

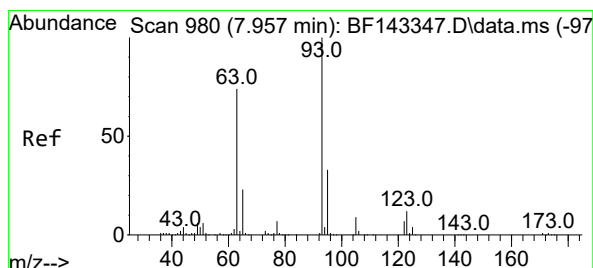
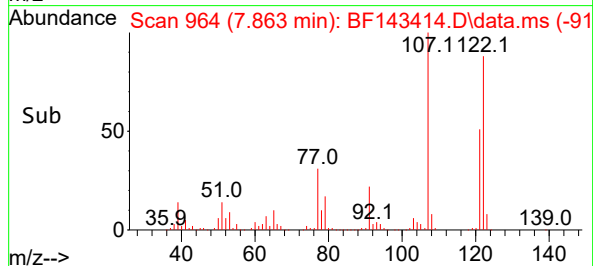
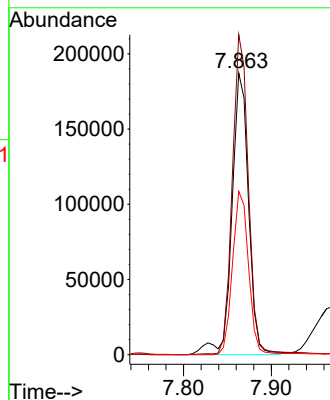
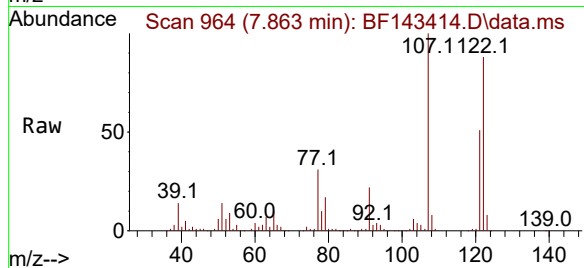
Tgt Ion:	122	Resp:	24630
Ion Ratio	Lower	Upper	
122	100		
107	113.6	89.9	134.9
121	58.0	46.2	69.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 33.061 ng

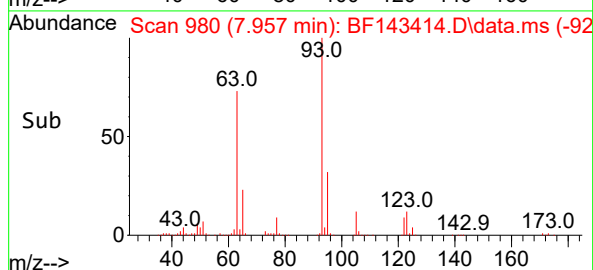
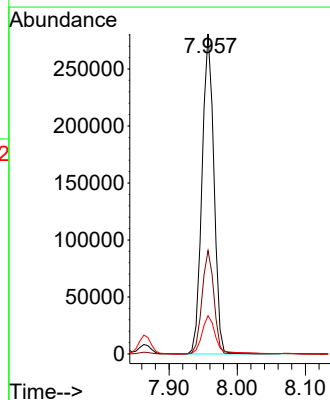
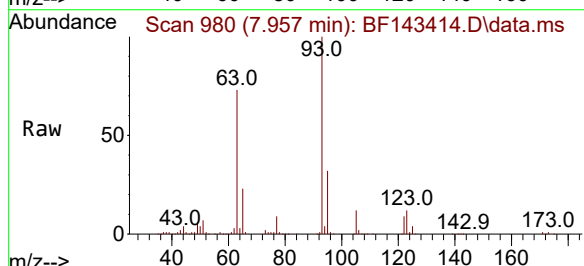
RT: 7.957 min Scan# 980

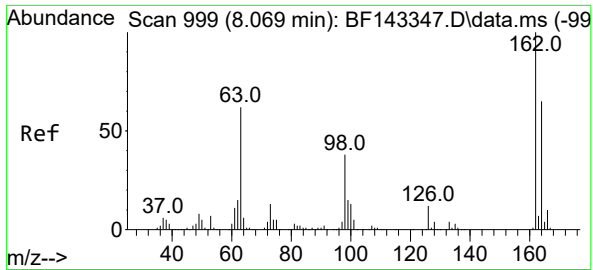
Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

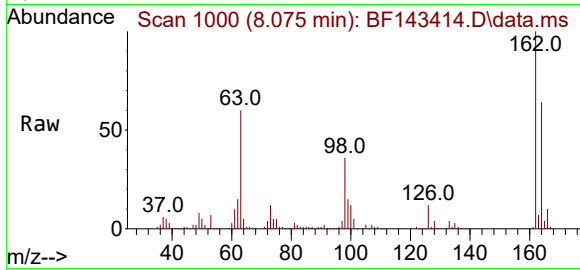
Tgt Ion:	93	Resp:	342133
Ion Ratio	Lower	Upper	
93	100		
95	32.3	26.2	39.4
123	12.0	9.4	14.2





#29
2,4-Dichlorophenol
Concen: 35.311 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

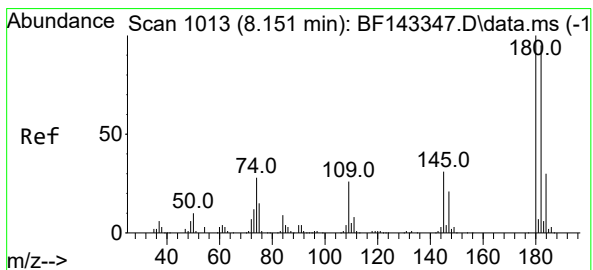
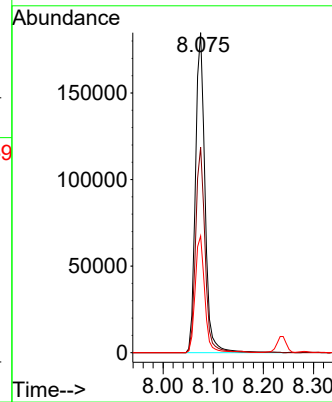
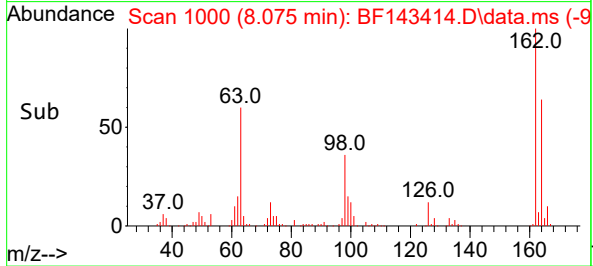
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



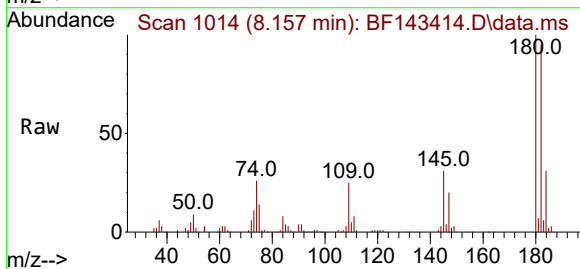
Tgt Ion:162 Resp: 24388
Ion Ratio Lower Upper
162 100
164 64.2 44.5 84.5
98 36.4 17.7 57.7

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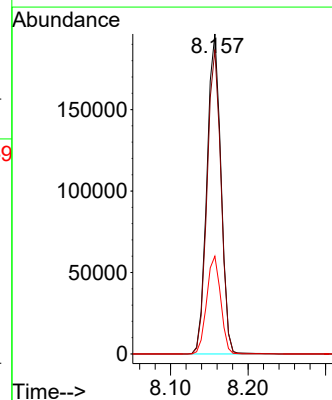
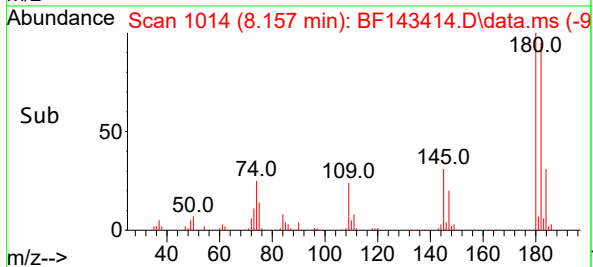
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

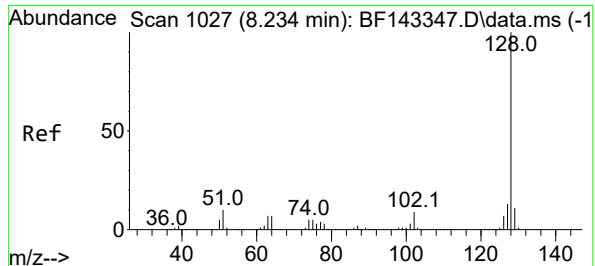


#30
1,2,4-Trichlorobenzene
Concen: 33.779 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



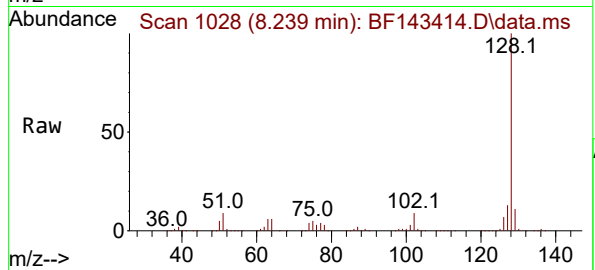
Tgt Ion:180 Resp: 246099
Ion Ratio Lower Upper
180 100
182 95.1 76.1 114.1
145 30.6 24.9 37.3





#31
Naphthalene
Concen: 32.577 ng
RT: 8.239 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

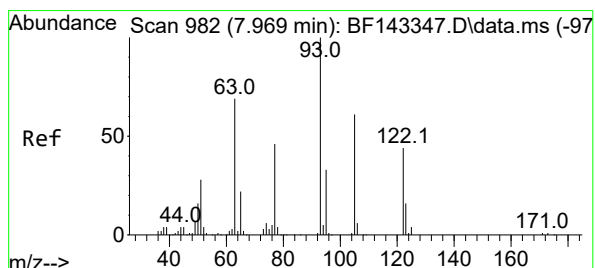
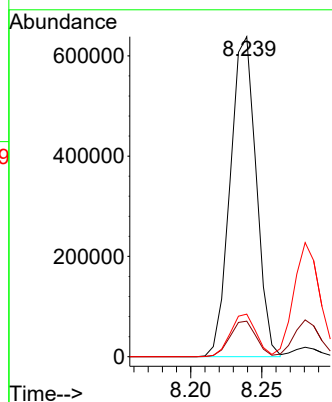
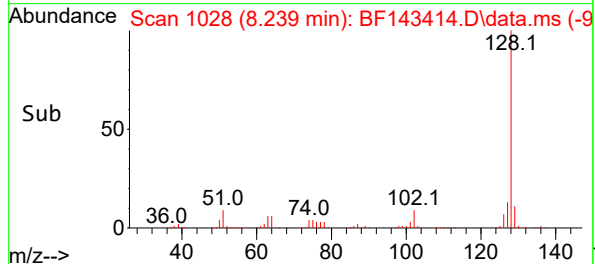
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



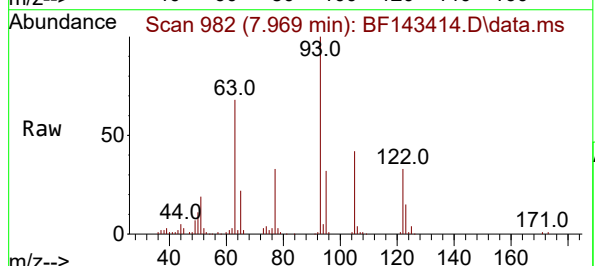
Tgt Ion:128 Resp: 810500
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.3 10.7 16.1

Manual Integrations
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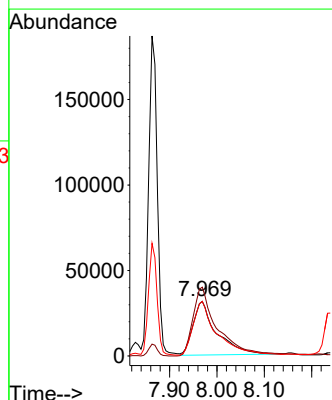
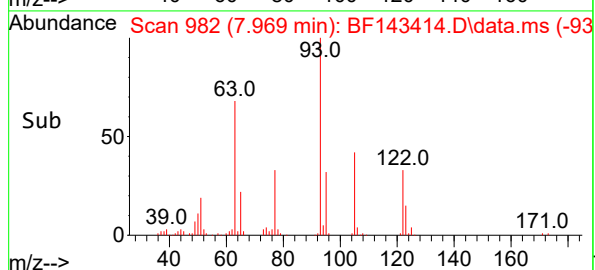
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

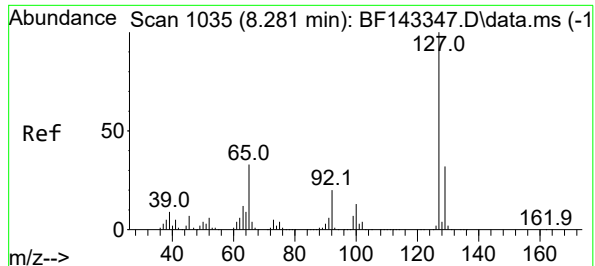


#32
Benzoic acid
Concen: 38.012 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



Tgt Ion:122 Resp: 107890
Ion Ratio Lower Upper
122 100
105 125.9 106.4 146.4
77 99.8 79.2 119.2





#33

4-Chloroaniline

Concen: 33.361 ng

RT: 8.281 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:127 Resp: 29936

Ion Ratio Lower Upper

127 100

129 32.2 26.0 39.0

65 33.3 27.0 40.4

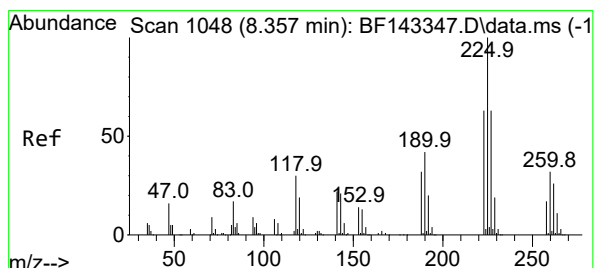
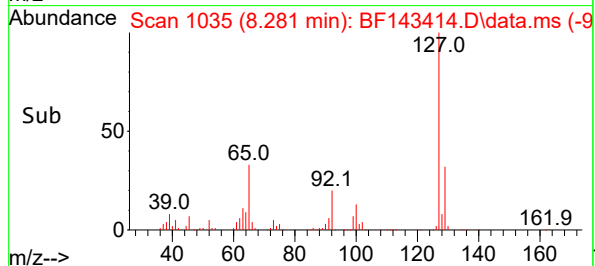
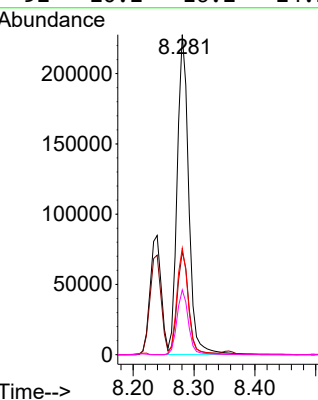
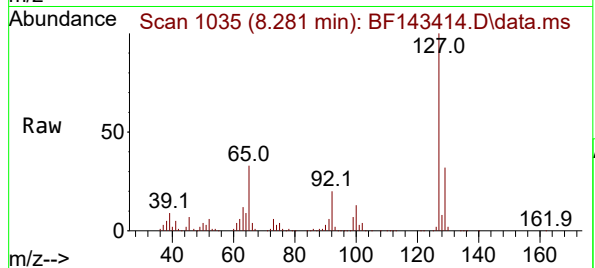
92 20.2 16.2 24.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#34

Hexachlorobutadiene

Concen: 34.683 ng

RT: 8.357 min Scan# 1048

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

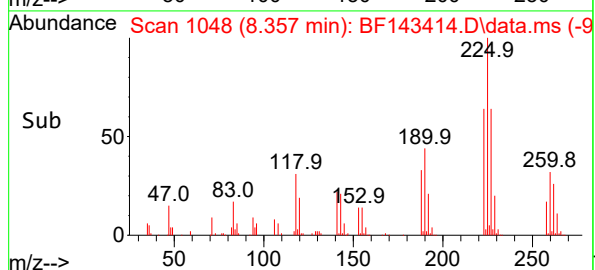
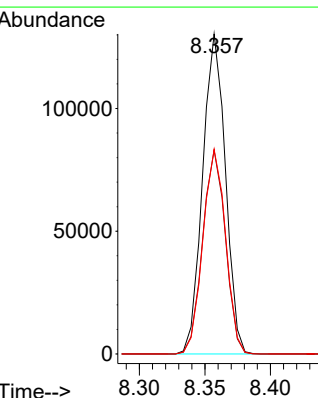
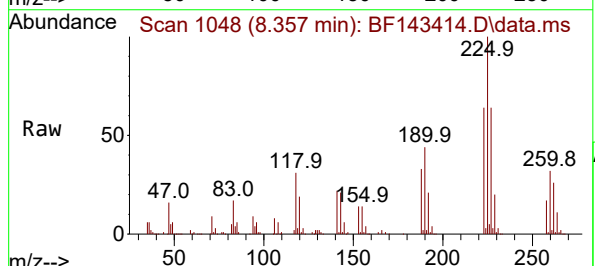
Tgt Ion:225 Resp: 157186

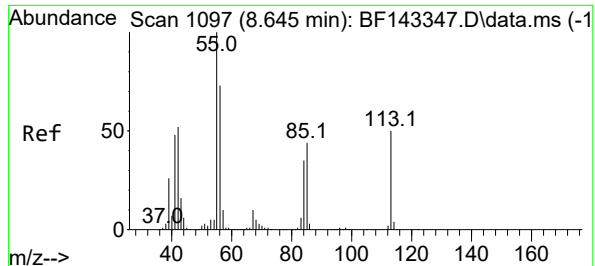
Ion Ratio Lower Upper

225 100

223 63.7 50.1 75.1

227 64.0 50.6 75.8





#35

Caprolactam

Concen: 38.568 ng

RT: 8.639 min Scan# 1096

Delta R.T. -0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

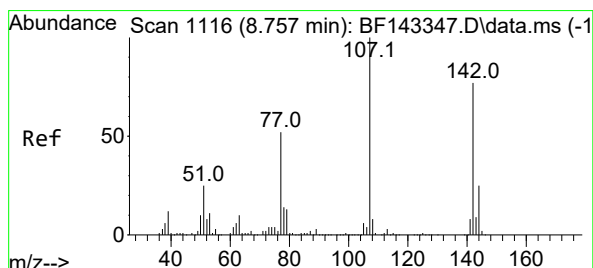
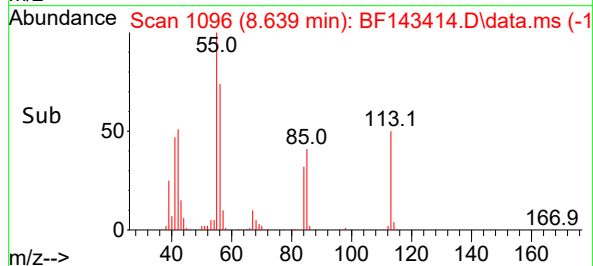
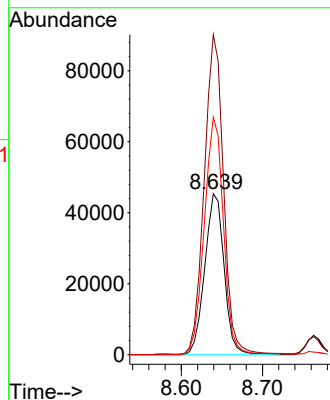
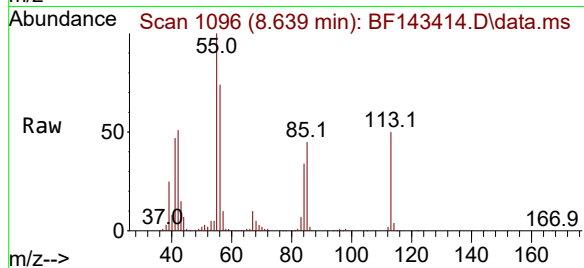
Tgt Ion:113	Resp:	7488
Ion Ratio	Lower	Upper
113	100	
55	198.9	181.4 221.4
56	147.7	127.3 167.3

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#36

4-Chloro-3-methylphenol

Concen: 34.724 ng

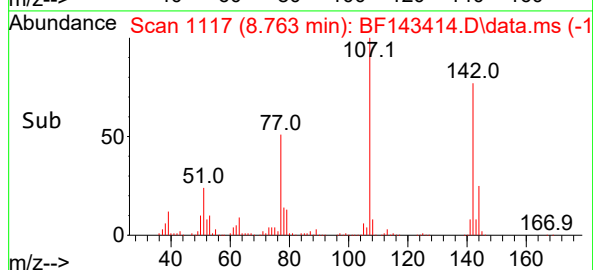
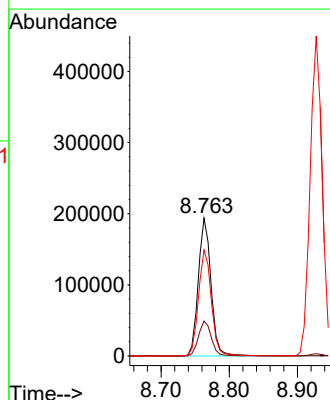
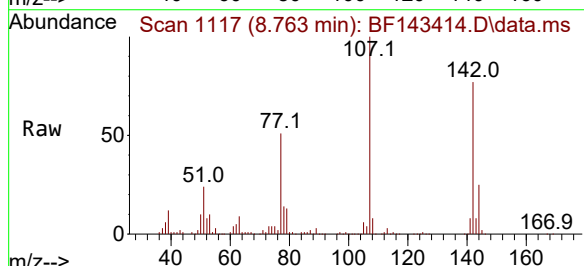
RT: 8.763 min Scan# 1117

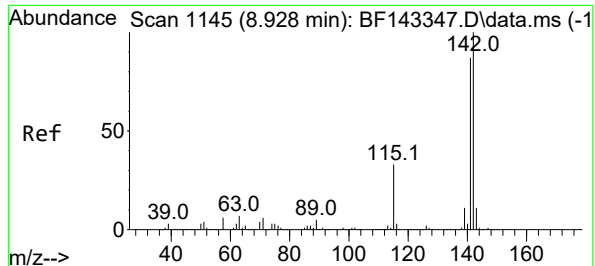
Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

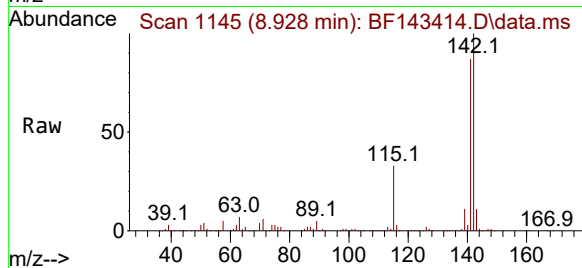
Tgt Ion:107	Resp:	251420
Ion Ratio	Lower	Upper
107	100	
144	25.3	20.0 30.0
142	76.9	61.3 91.9





#37
2-Methylnaphthalene
Concen: 33.929 ng
RT: 8.928 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

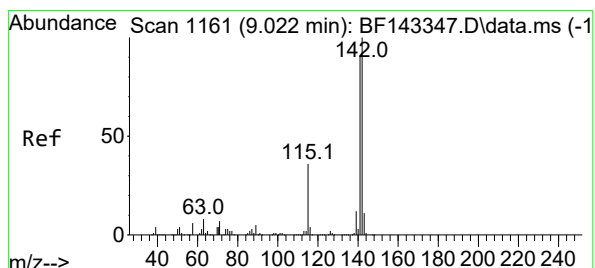
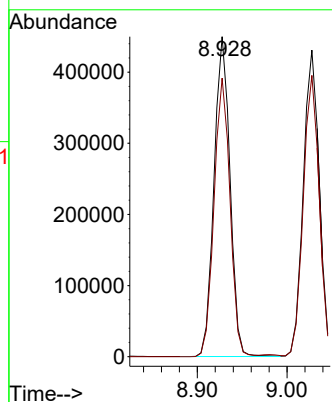
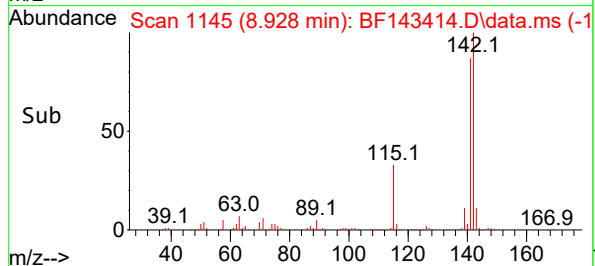
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:142 Resp: 554950
Ion Ratio Lower Upper
142 100
141 87.0 69.8 104.8

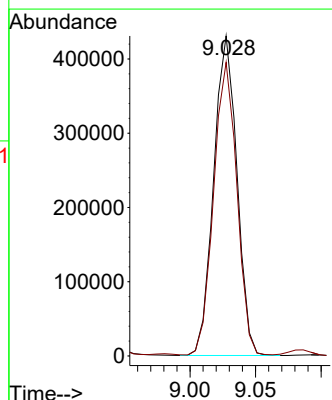
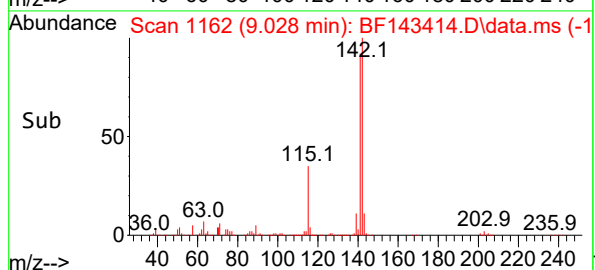
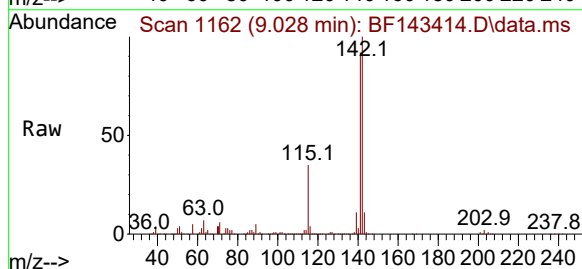
Manual Integrations
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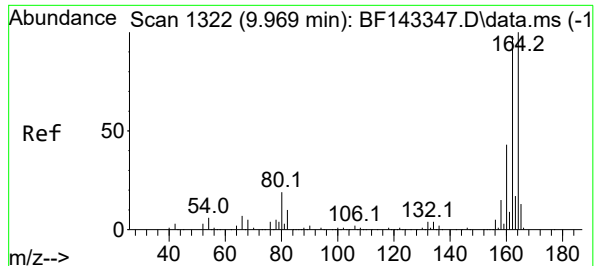
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#38
1-Methylnaphthalene
Concen: 33.644 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:142 Resp: 529993
Ion Ratio Lower Upper
142 100
141 91.8 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF143414.D

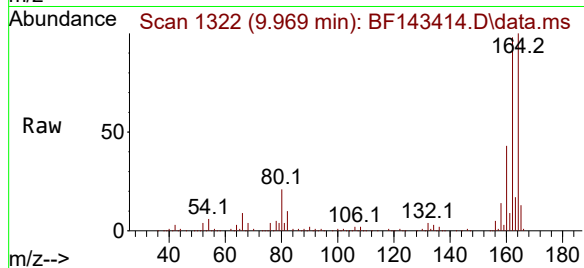
Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDC040EC



Tgt Ion:164 Resp: 29013

Ion Ratio Lower Upper

164 100

162 98.2 78.6 118.0

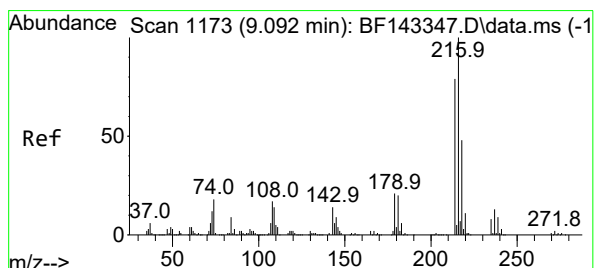
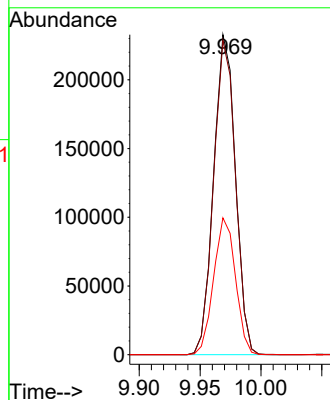
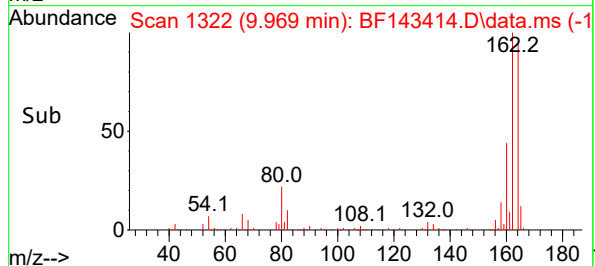
160 42.8 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#40

1,2,4,5-Tetrachlorobenzene

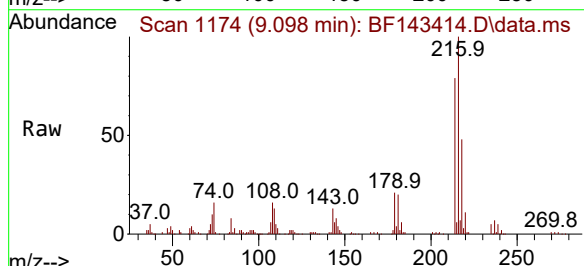
Concen: 33.273 ng

RT: 9.098 min Scan# 1174

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45



Tgt Ion:216 Resp: 264167

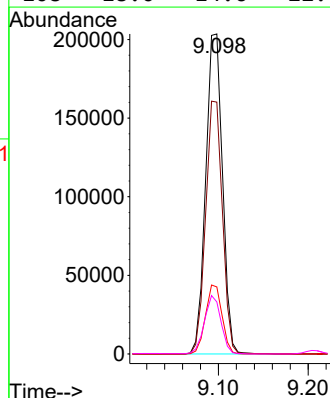
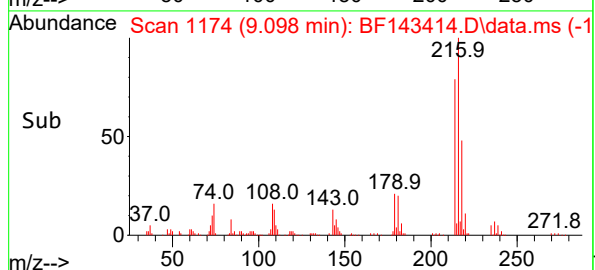
Ion Ratio Lower Upper

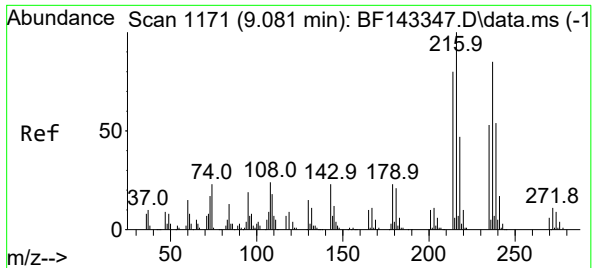
216 100

214 79.0 63.0 94.4

179 21.2 17.0 25.4

108 18.0 14.6 22.0





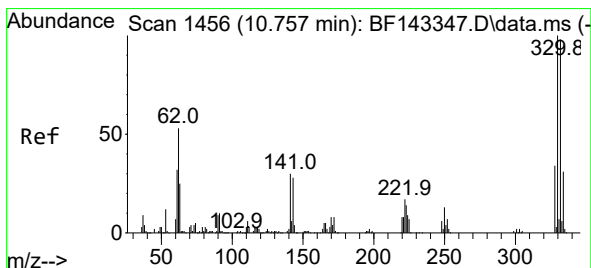
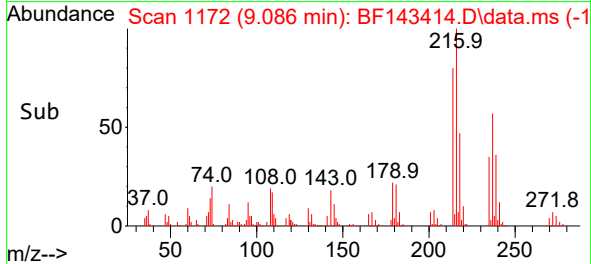
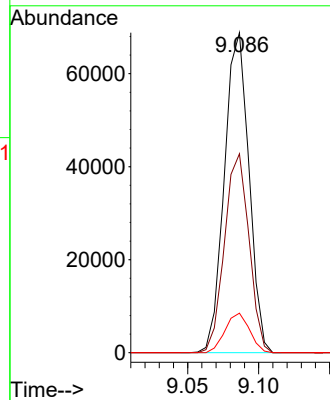
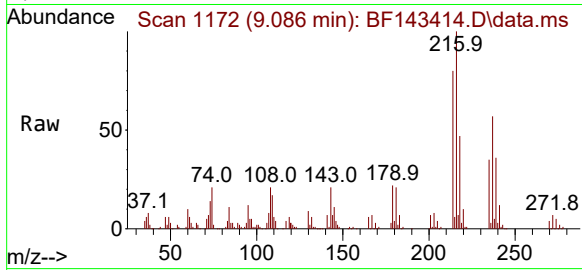
#41
Hexachlorocyclopentadiene
Concen: 33.685 ng
RT: 9.086 min Scan# 1171
Delta R.T. 0.005 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 82620
Ion Ratio Lower Upper
237 100
235 62.2 42.0 82.0
272 12.4 0.0 32.6

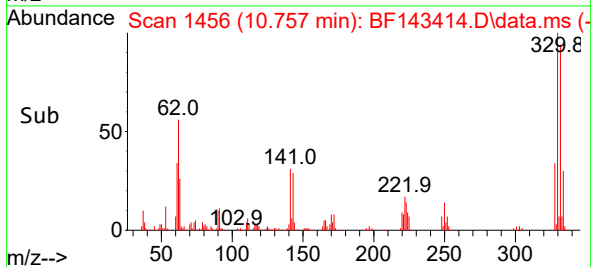
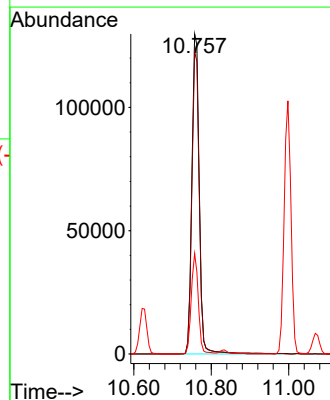
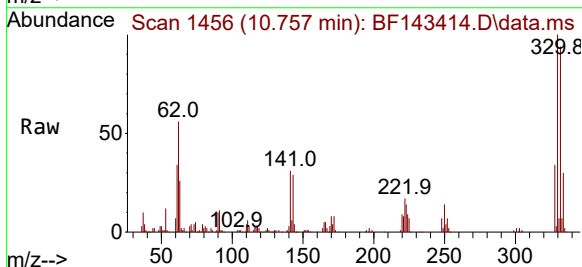
Manual Integrations
APPROVED

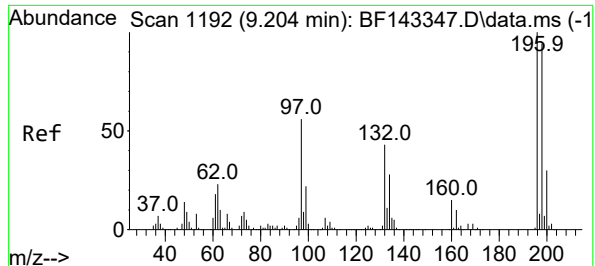
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#42
2,4,6-Tribromophenol
Concen: 80.975 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:330 Resp: 171695
Ion Ratio Lower Upper
330 100
332 94.3 78.1 117.1
141 30.0 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 36.945 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143414.D

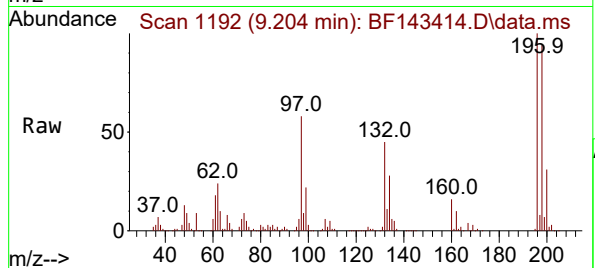
Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



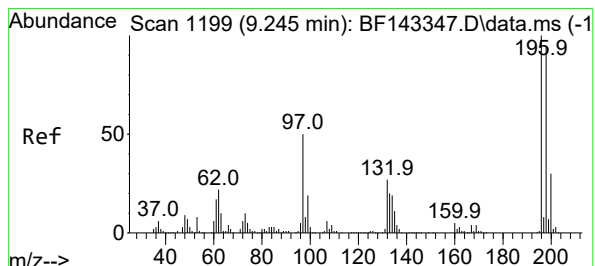
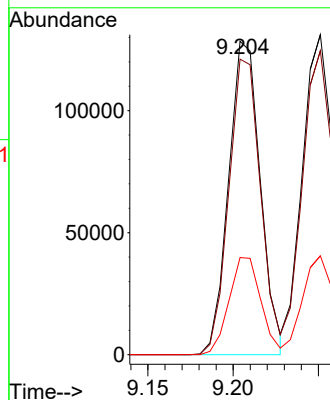
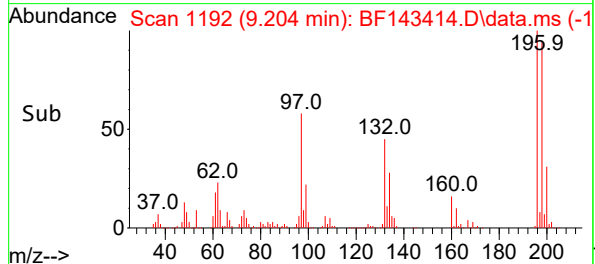
Tgt Ion:	196	Resp:	166424
Ion Ratio	Lower	Upper	
196	100		
198	94.3	75.4	113.0
200	31.0	24.3	36.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#44

2,4,5-Trichlorophenol

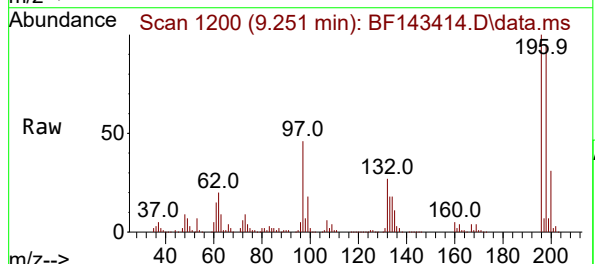
Concen: 35.491 ng

RT: 9.251 min Scan# 1200

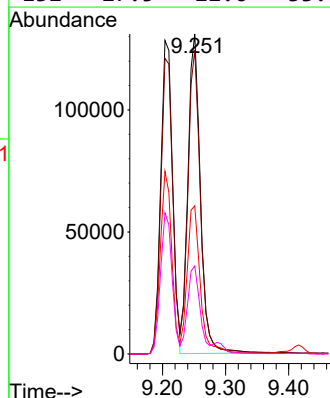
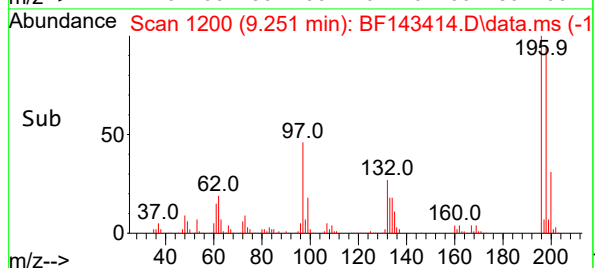
Delta R.T. 0.006 min

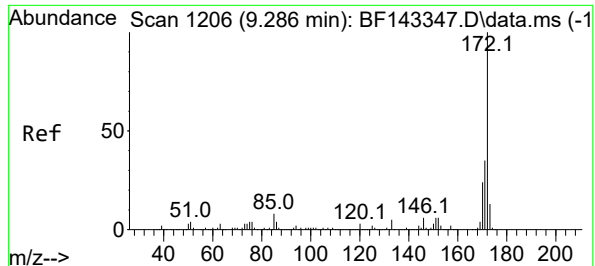
Lab File: BF143414.D

Acq: 15 Aug 2025 12:45



Tgt Ion:	196	Resp:	180539
Ion Ratio	Lower	Upper	
196	100		
198	95.0	75.4	113.2
97	46.3	39.9	59.9
132	27.5	22.6	33.8





#45

2-Fluorobiphenyl

Concen: 65.272 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:172 Resp: 111675

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

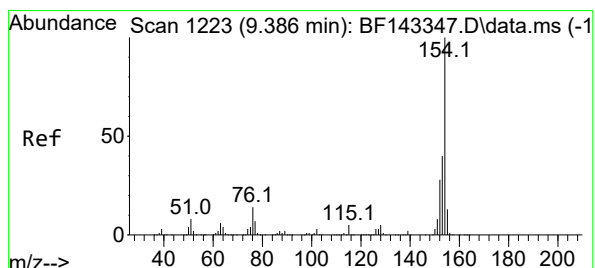
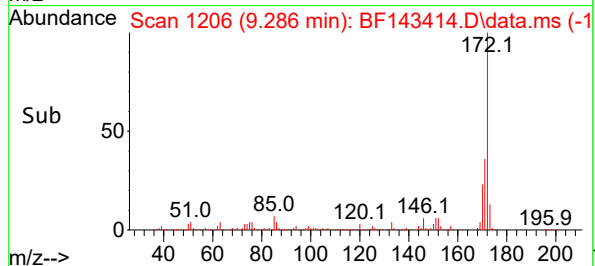
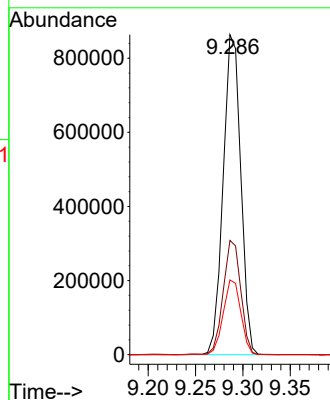
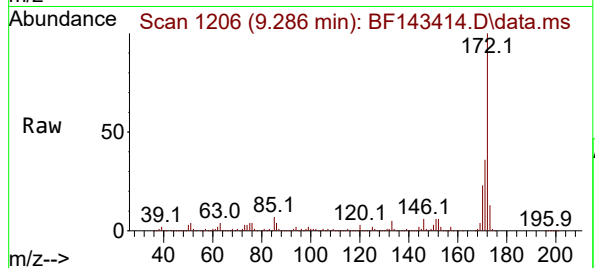
170 23.3 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#46

1,1'-Biphenyl

Concen: 32.572 ng

RT: 9.392 min Scan# 1224

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

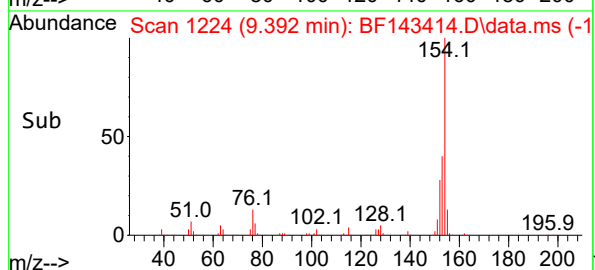
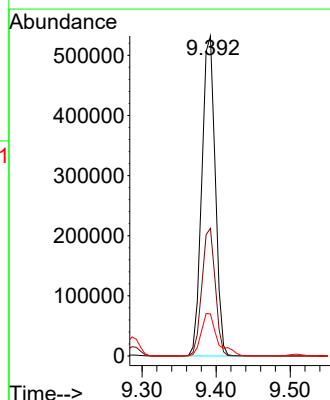
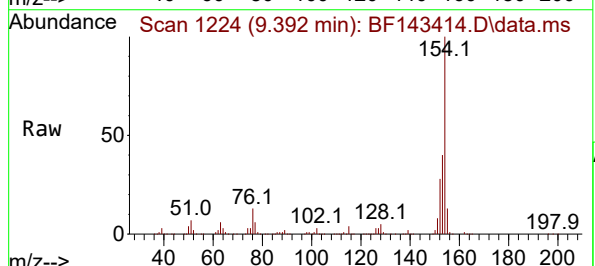
Tgt Ion:154 Resp: 668180

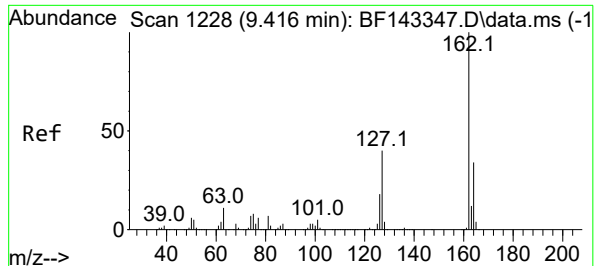
Ion Ratio Lower Upper

154 100

153 39.9 20.2 60.2

76 13.1 0.0 34.4





#47

2-Chloronaphthalene

Concen: 32.510 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:162 Resp: 52524

Ion Ratio Lower Upper

162 100

127 39.6 32.1 48.1

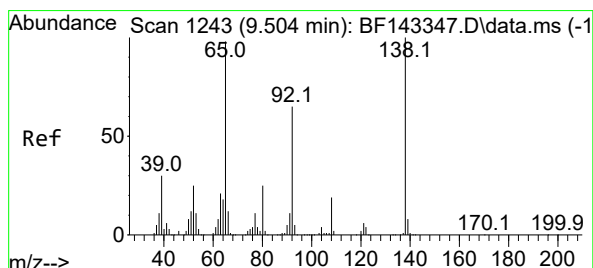
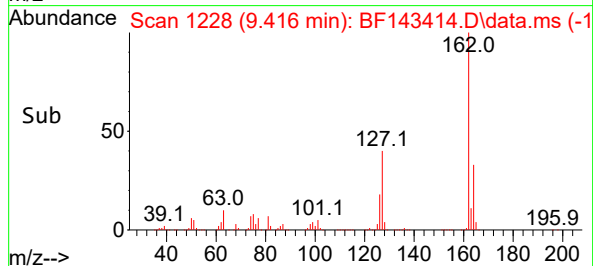
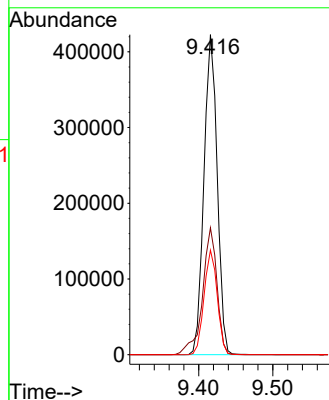
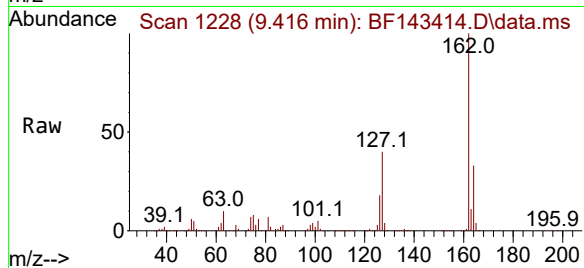
164 32.6 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#48

2-Nitroaniline

Concen: 36.111 ng

RT: 9.510 min Scan# 1244

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

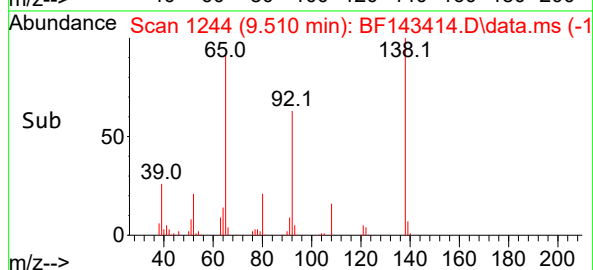
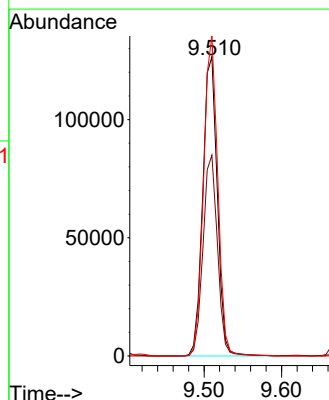
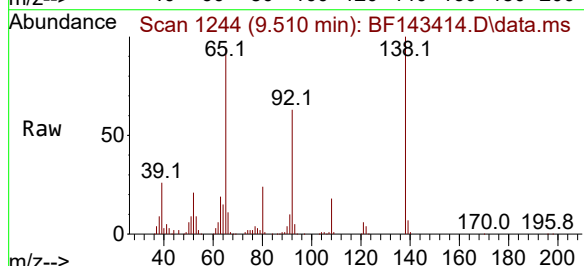
Tgt Ion: 65 Resp: 164879

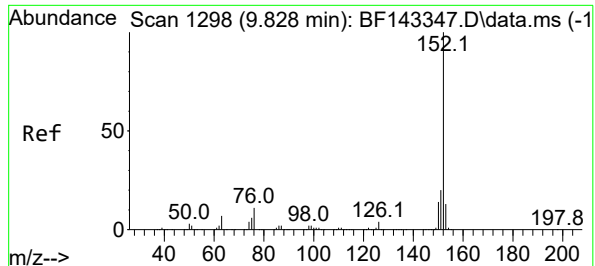
Ion Ratio Lower Upper

65 100

92 67.1 53.1 79.7

138 106.9 81.4 122.0





#49

Acenaphthylene

Concen: 32.585 ng

RT: 9.833 min Scan# 1298

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDC040EC

Tgt Ion:152 Resp: 76026

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

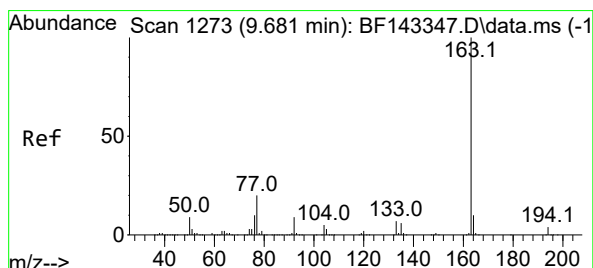
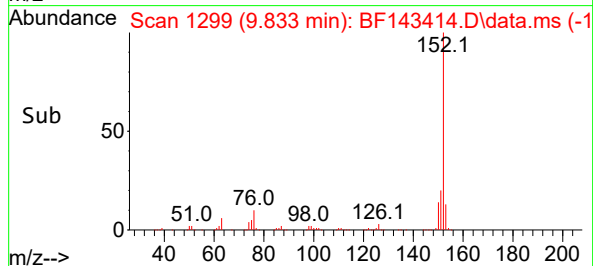
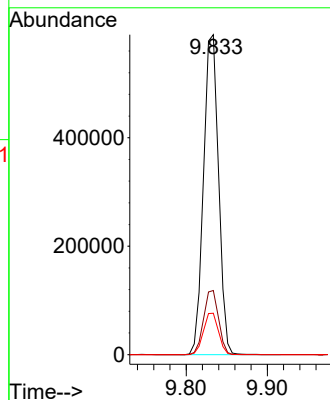
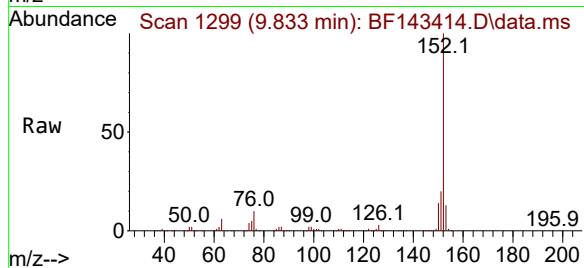
153 12.9 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#50

Dimethylphthalate

Concen: 36.250 ng

RT: 9.680 min Scan# 1273

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

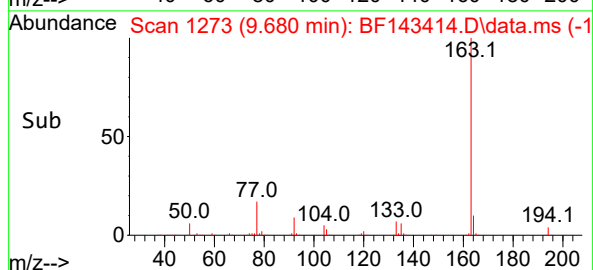
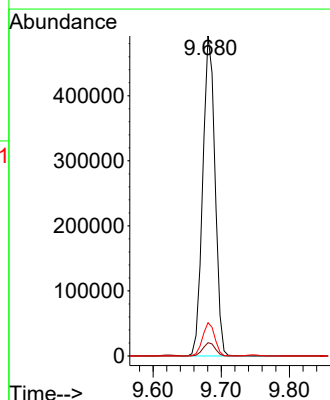
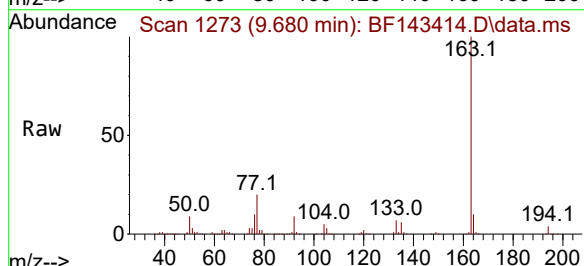
Tgt Ion:163 Resp: 614540

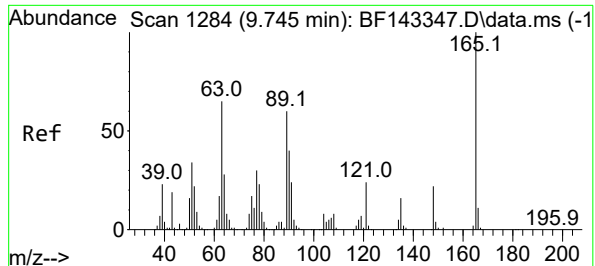
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

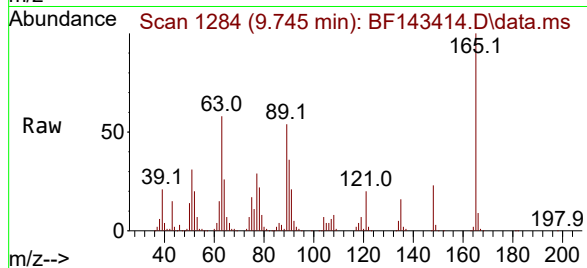
164 10.4 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 40.656 ng
RT: 9.745 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

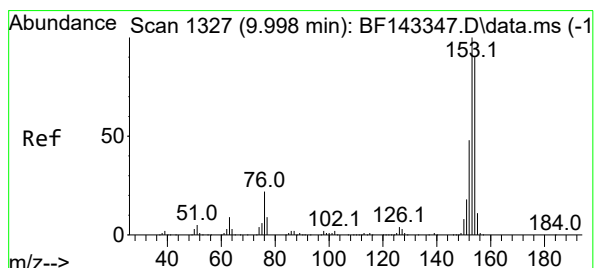
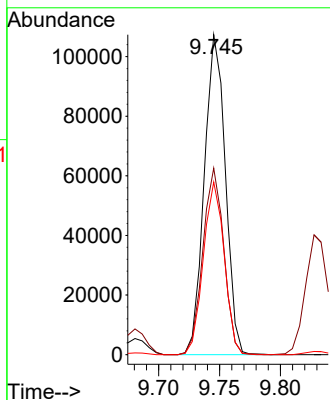
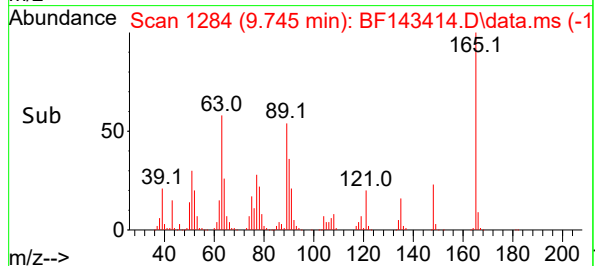
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



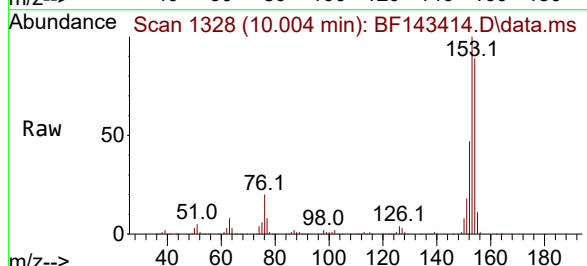
Tgt Ion:165 Resp: 128875
Ion Ratio Lower Upper
165 100
63 58.3 51.6 77.4
89 53.9 47.7 71.5

Manual Integrations
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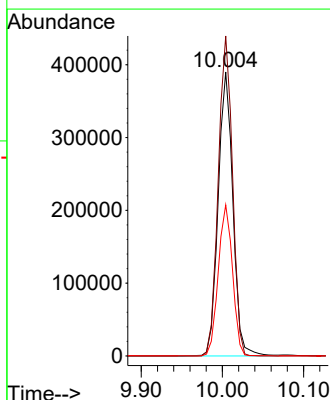
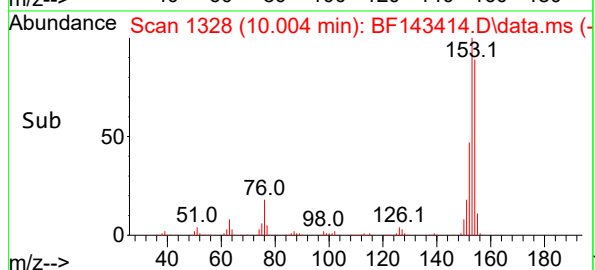
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

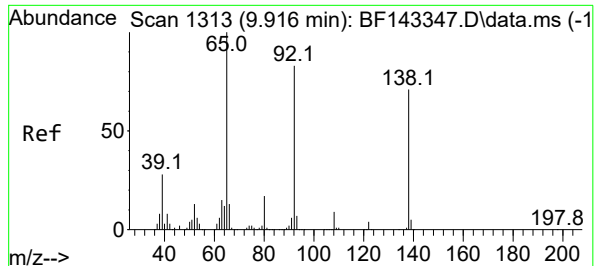


#52
Acenaphthene
Concen: 31.799 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



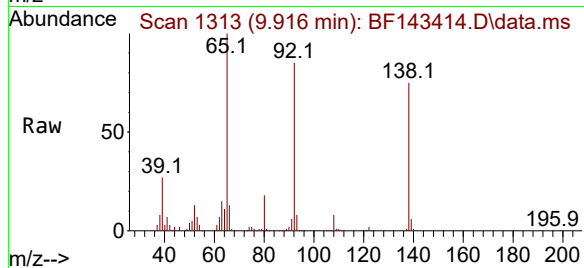
Tgt Ion:154 Resp: 493236
Ion Ratio Lower Upper
154 100
153 112.7 88.5 132.7
152 53.2 42.4 63.6





#53
3-Nitroaniline
Concen: 40.277 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

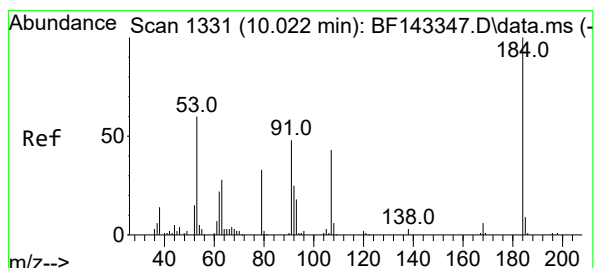
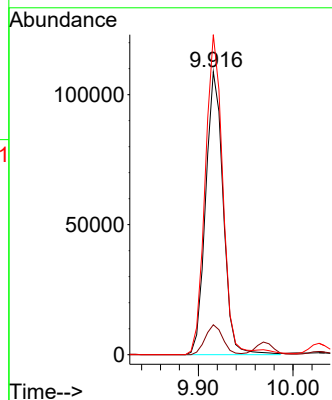
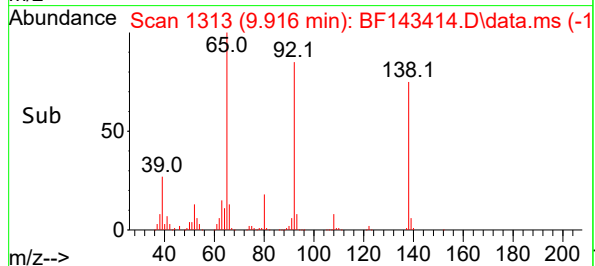
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:138 Resp: 13983
Ion Ratio Lower Upper
138 100
108 10.6 9.6 14.4
92 113.1 93.4 140.2

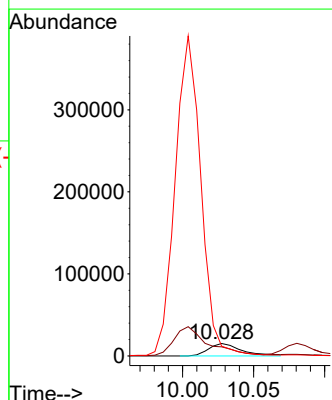
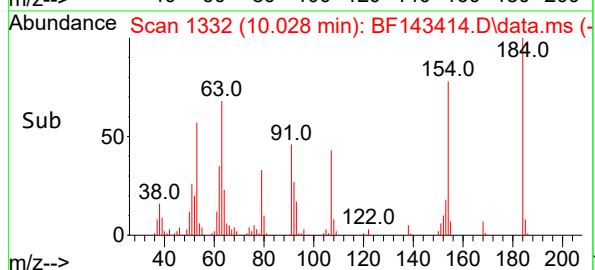
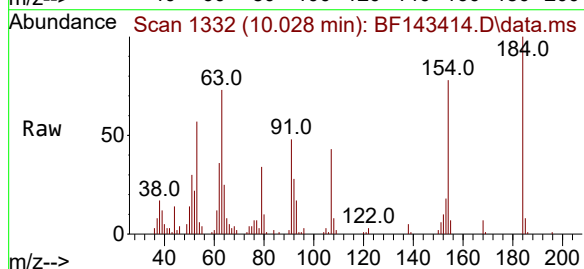
Manual Integrations
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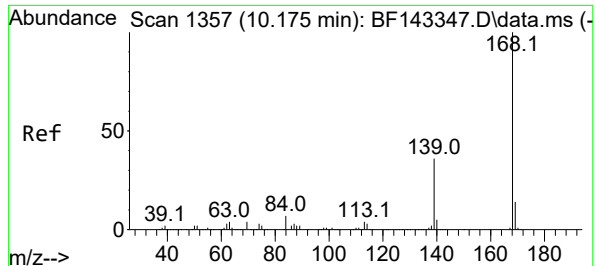
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#54
2,4-Dinitrophenol
Concen: 29.103 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:184 Resp: 24625
Ion Ratio Lower Upper
184 100
63 73.0 62.5 93.7
154 78.0 73.0 109.4





#55

Dibenzofuran

Concen: 33.049 ng

RT: 10.175 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:168 Resp: 737792

Ion Ratio Lower Upper

168 100

139 36.5 29.4 44.0

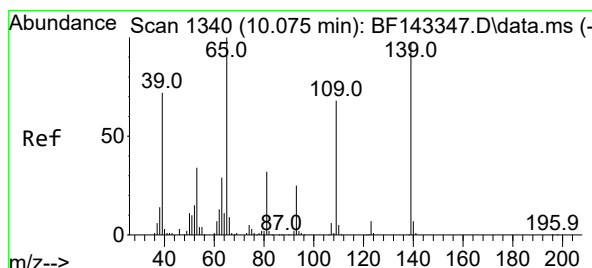
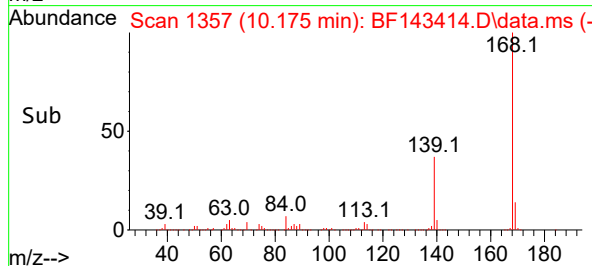
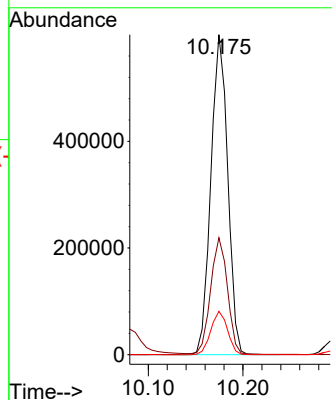
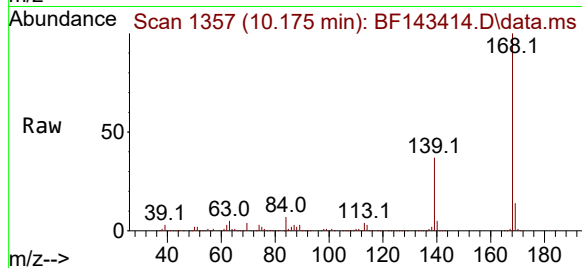
169 13.5 11.0 16.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#56

4-Nitrophenol

Concen: 30.958 ng

RT: 10.080 min Scan# 1341

Delta R.T. 0.005 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

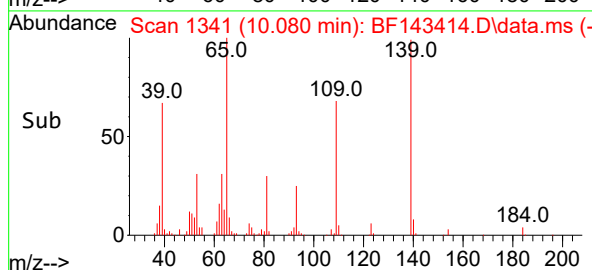
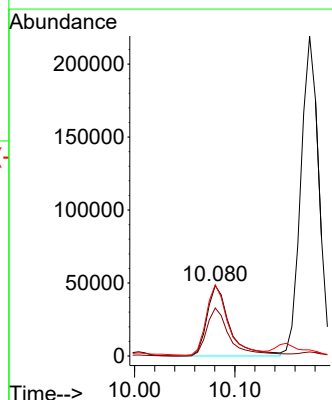
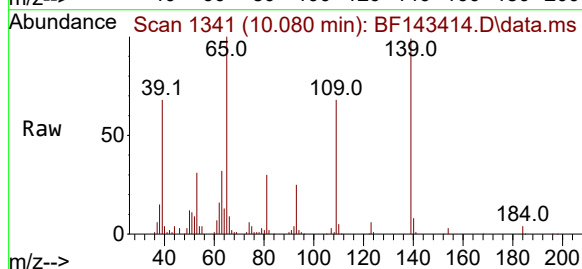
Tgt Ion:139 Resp: 75898

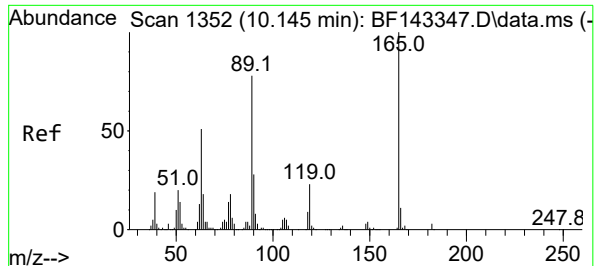
Ion Ratio Lower Upper

139 100

109 68.4 49.4 89.4

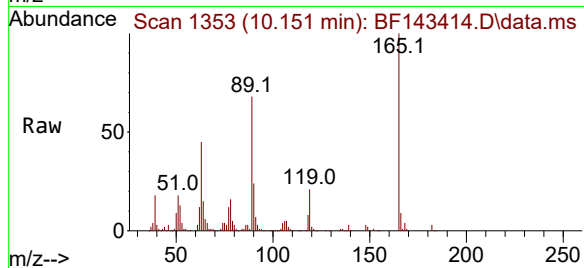
65 101.3 83.7 123.7





#57
2,4-Dinitrotoluene
Concen: 40.754 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

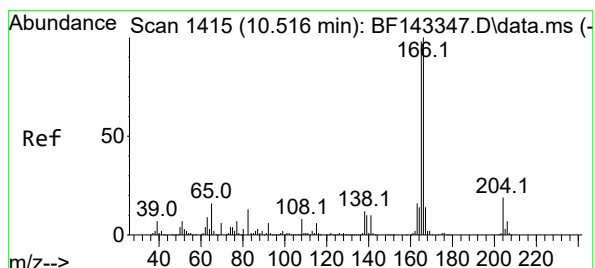
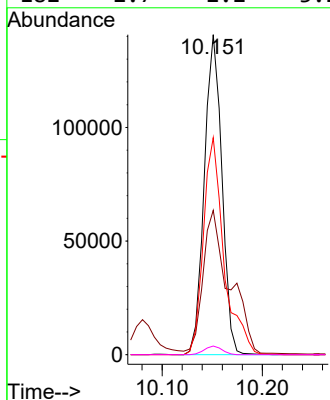
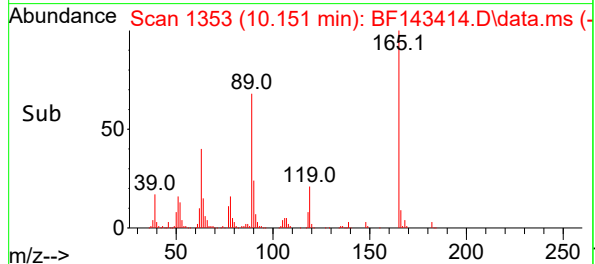
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



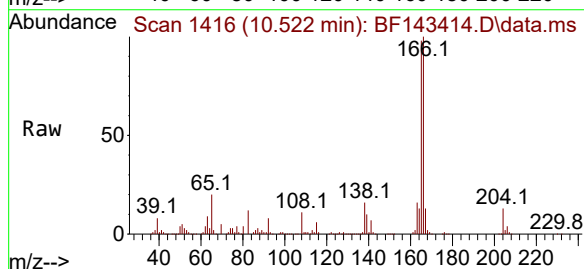
Tgt Ion:165 Resp: 17142
Ion Ratio Lower Upper
165 100
63 45.1 41.8 62.8
89 67.8 62.4 93.6
182 2.7 2.2 3.2

Manual Integrations
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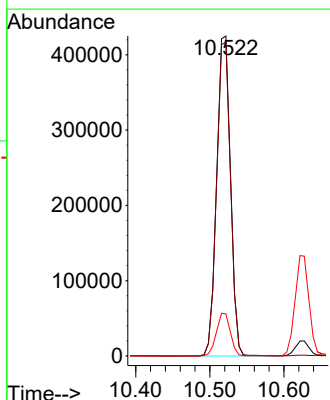
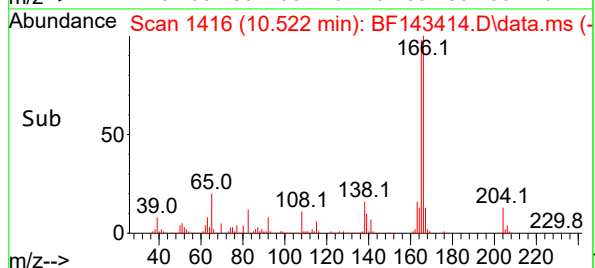
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

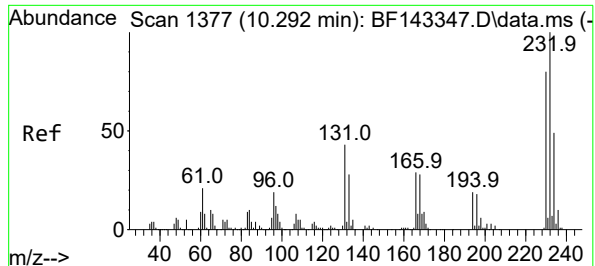


#58
Fluorene
Concen: 32.317 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



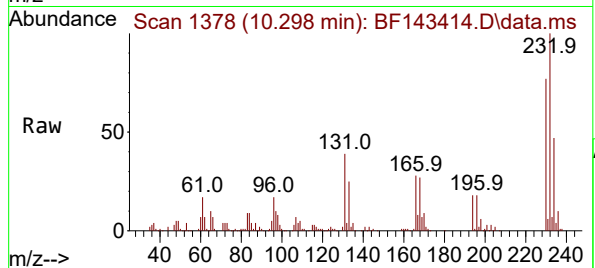
Tgt Ion:166 Resp: 551057
Ion Ratio Lower Upper
166 100
165 98.0 78.2 117.4
167 13.1 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 38.636 ng
RT: 10.298 min Scan# 1377
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

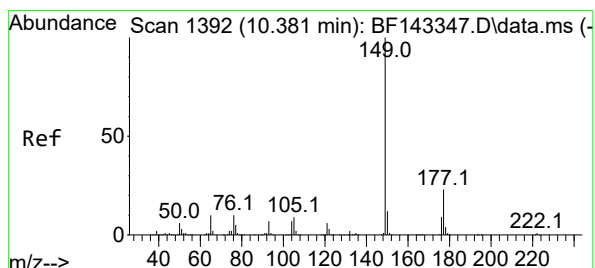
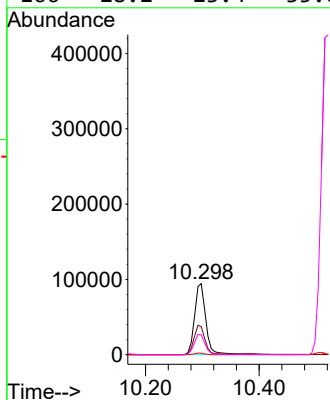
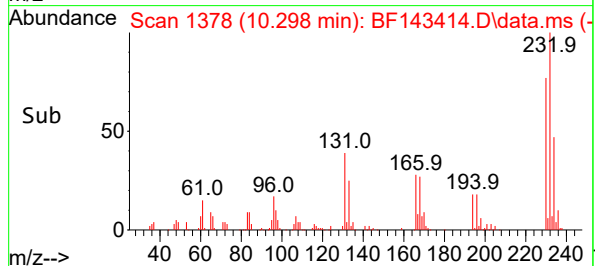
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



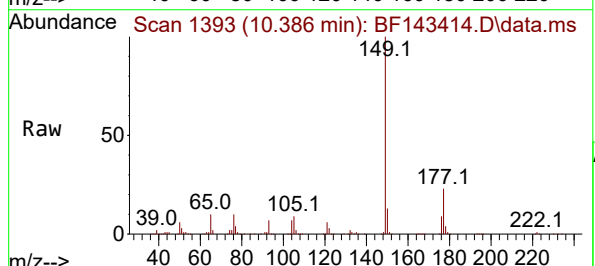
Tgt Ion:232 Resp: 132484
Ion Ratio Lower Upper
232 100
131 40.6 34.6 51.8
130 1.9 1.7 2.5
166 28.2 23.4 35.0

Manual Integrations
APPROVED

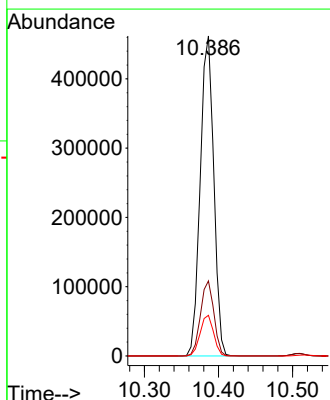
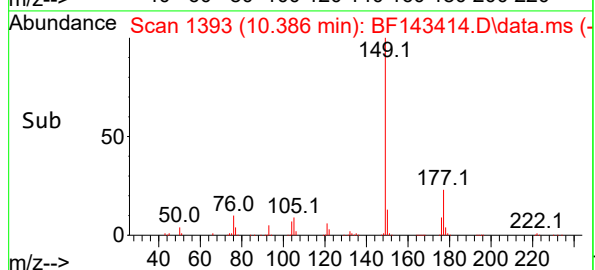
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

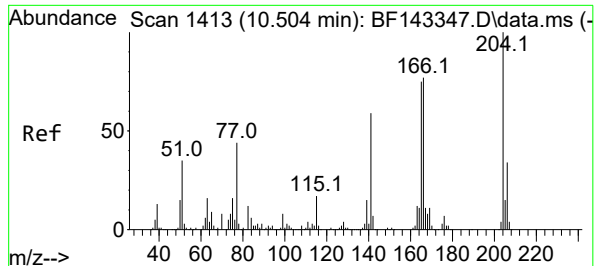


#60
Diethylphthalate
Concen: 38.608 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



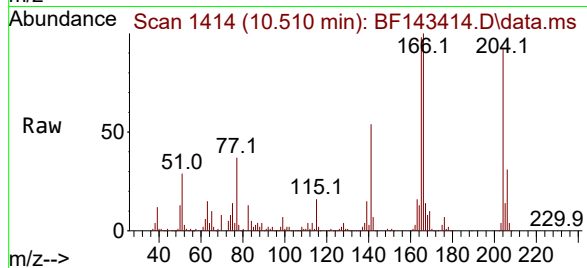
Tgt Ion:149 Resp: 586261
Ion Ratio Lower Upper
149 100
177 23.4 18.2 27.2
150 12.7 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 34.550 ng
RT: 10.510 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

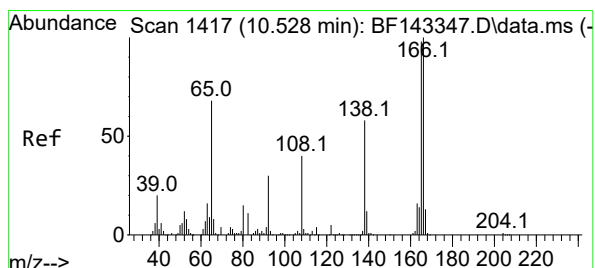
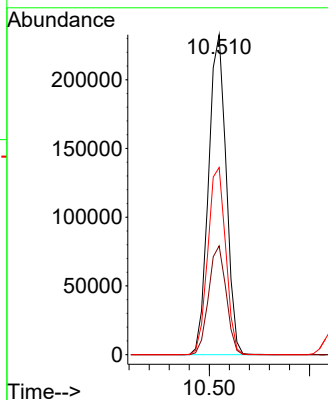
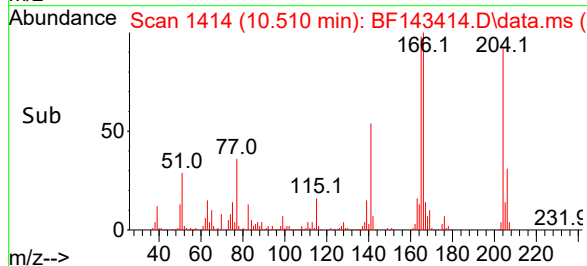
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



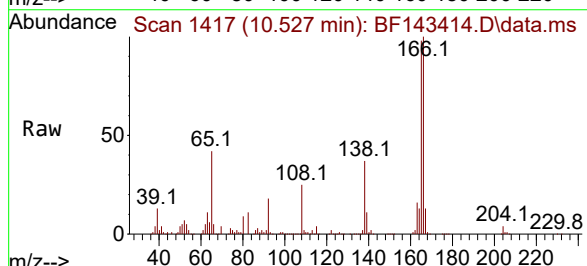
Tgt Ion:204 Resp: 284659
Ion Ratio Lower Upper
204 100
206 34.0 27.4 41.2
141 58.5 46.9 70.3

Manual Integrations
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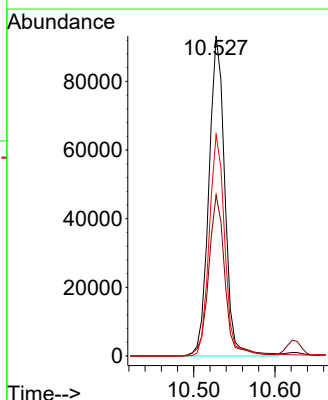
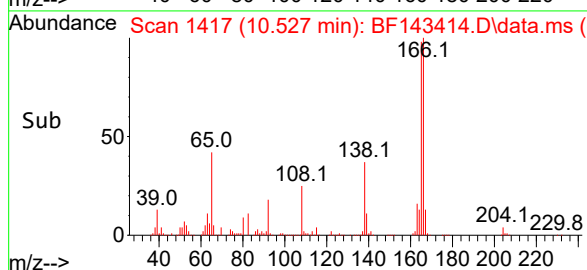
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

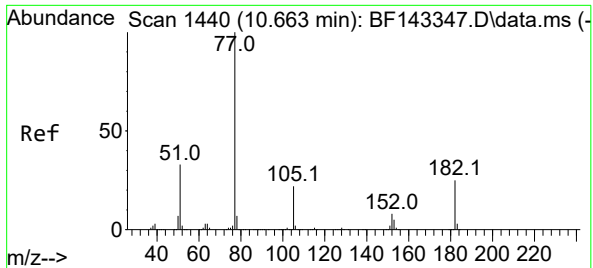


#62
4-Nitroaniline
Concen: 37.893 ng
RT: 10.527 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



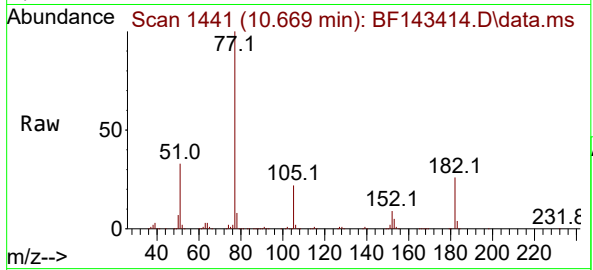
Tgt Ion:138 Resp: 127282
Ion Ratio Lower Upper
138 100
92 50.3 31.2 71.2
108 69.1 48.1 88.1





#63
Azobenzene
Concen: 32.483 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

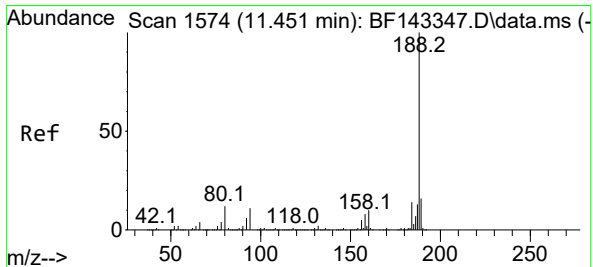
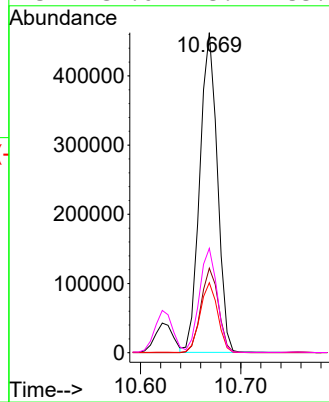
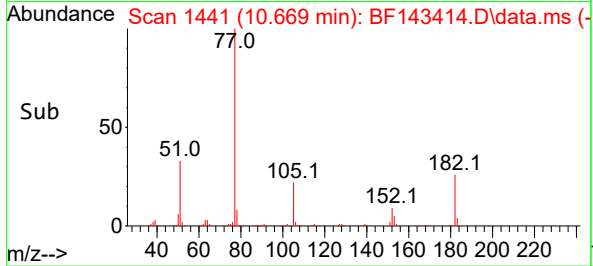
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



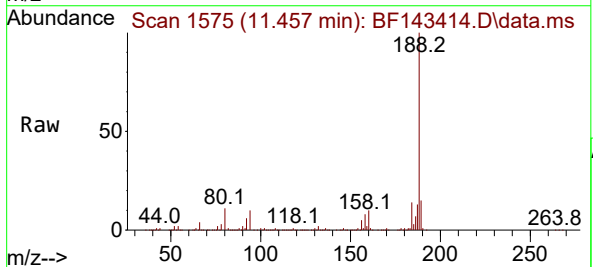
Tgt Ion: 77 Resp: 563404
Ion Ratio Lower Upper
77 100
182 26.4 4.4 44.4
105 21.8 1.8 41.8
51 32.6 13.7 53.7

Manual Integrations
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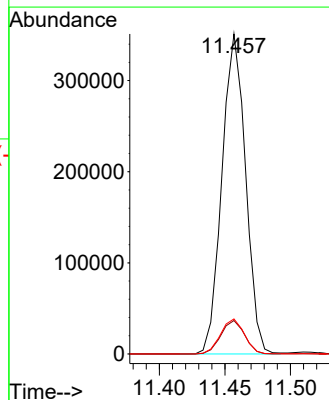
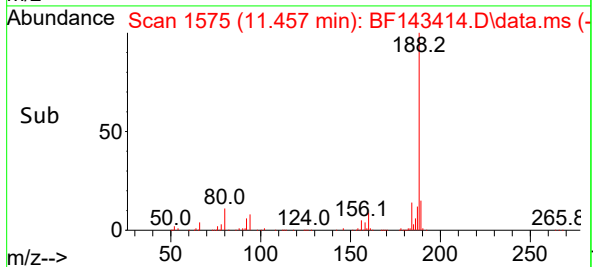
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

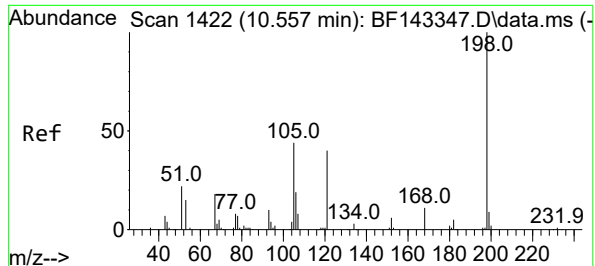


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



Tgt Ion:188 Resp: 440724
Ion Ratio Lower Upper
188 100
94 10.5 8.8 13.2
80 11.0 9.7 14.5





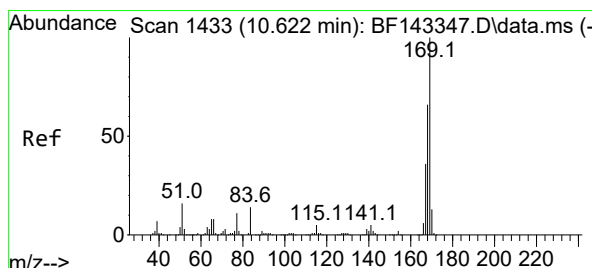
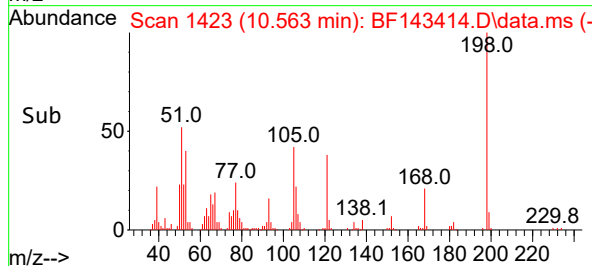
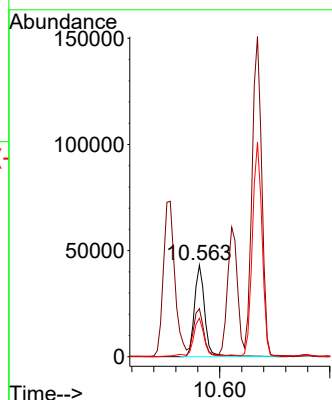
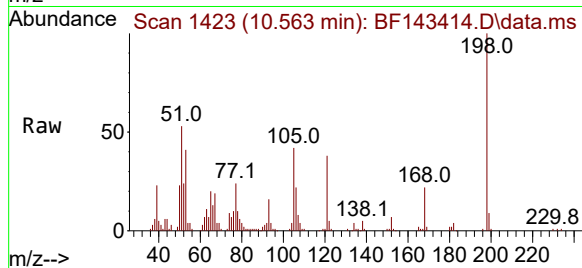
#65
4,6-Dinitro-2-methylphenol
Concen: 33.921 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 56010
Ion Ratio Lower Upper
198 100
51 52.5 41.7 81.7
105 42.0 26.8 66.8

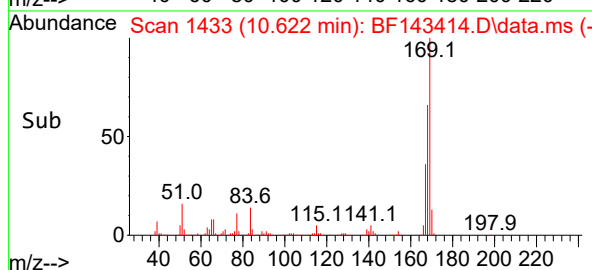
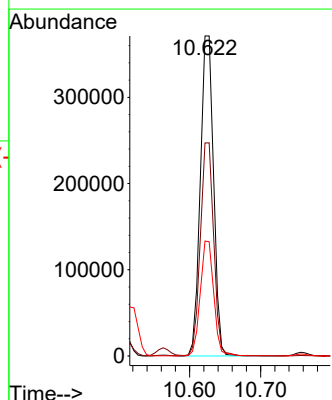
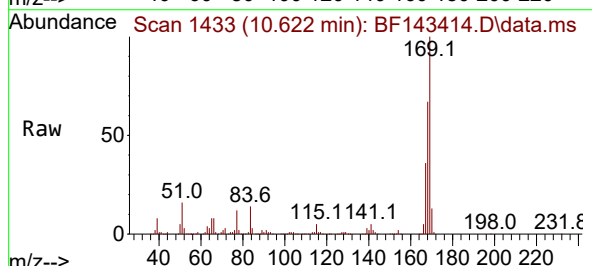
Manual Integrations
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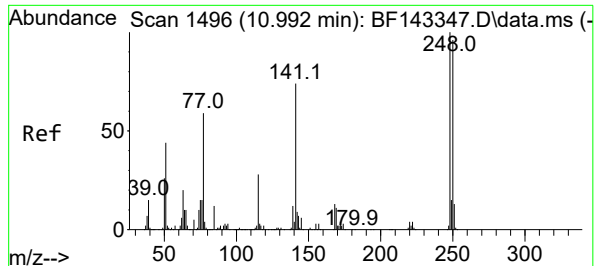
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#66
n-Nitrosodiphenylamine
Concen: 33.283 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

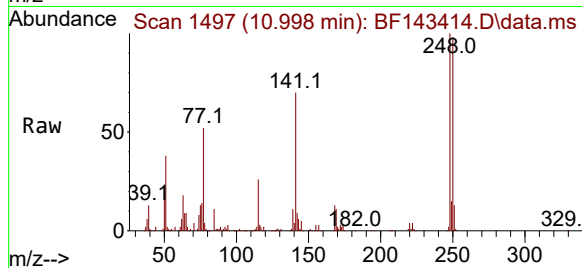
Tgt Ion:169 Resp: 483005
Ion Ratio Lower Upper
169 100
168 66.5 52.7 79.1
167 35.9 28.6 42.8





#67
4-Bromophenyl-phenylether
Concen: 35.127 ng
RT: 10.998 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

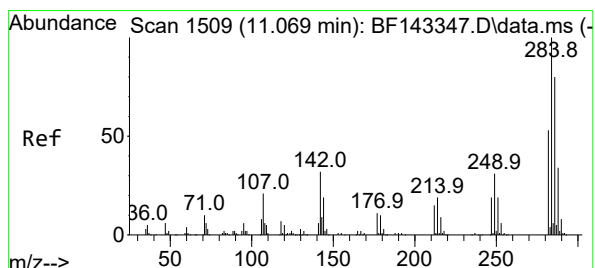
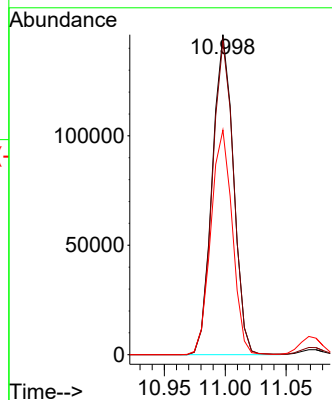
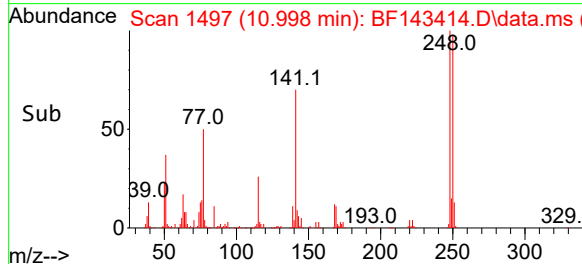
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:248 Resp: 177054
Ion Ratio Lower Upper
248 100
250 97.9 77.1 115.7
141 70.2 59.1 88.7

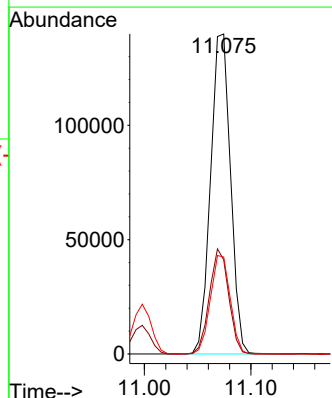
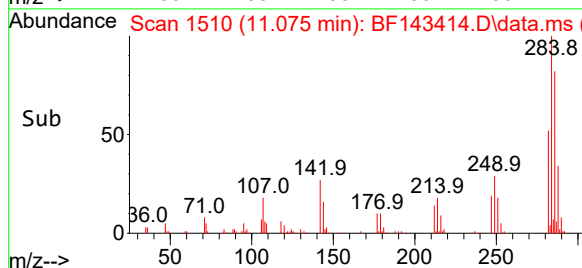
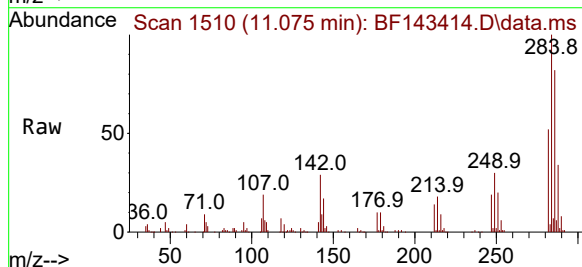
Manual Integrations
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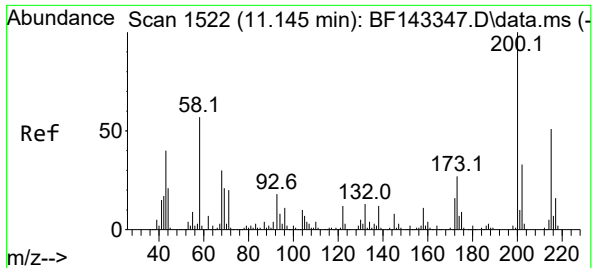
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#68
Hexachlorobenzene
Concen: 33.541 ng
RT: 11.075 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:284 Resp: 182234
Ion Ratio Lower Upper
284 100
142 29.4 25.7 38.5
249 30.3 24.6 37.0





#69

Atrazine

Concen: 42.966 ng

RT: 11.151 min Scan# 1522

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:200 Resp: 16262

Ion Ratio Lower Upper

200 100

173 26.4 6.6 46.6

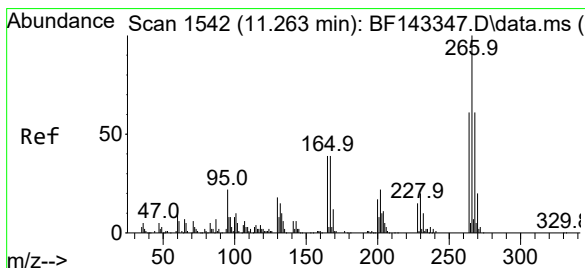
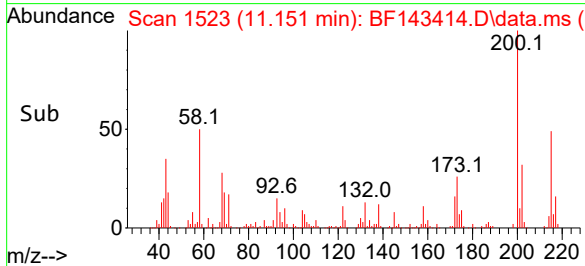
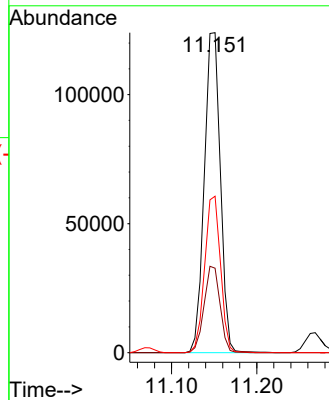
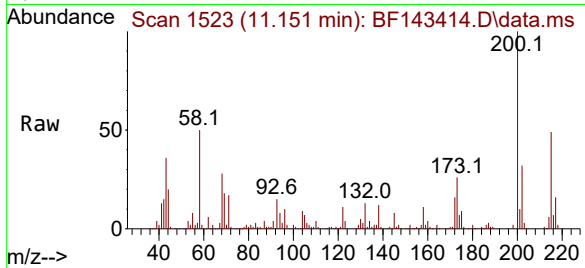
215 48.9 30.6 70.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#70

Pentachlorophenol

Concen: 31.527 ng

RT: 11.269 min Scan# 1543

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

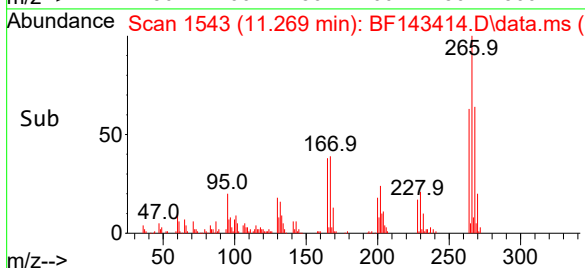
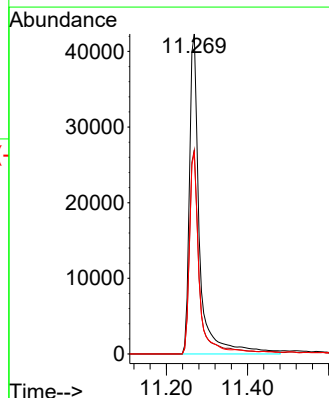
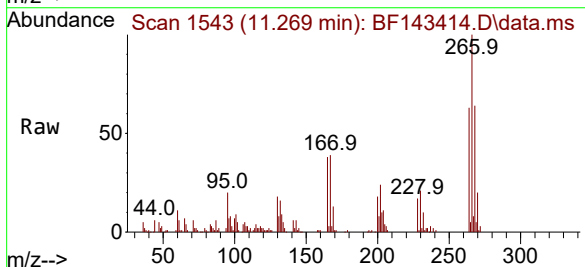
Tgt Ion:266 Resp: 73538

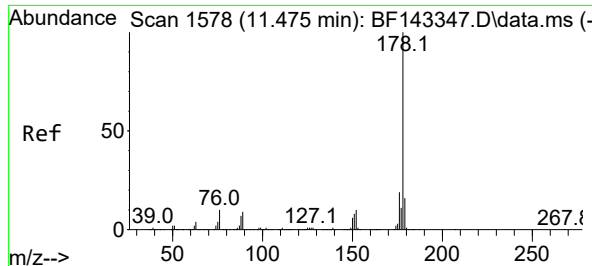
Ion Ratio Lower Upper

266 100

268 63.7 48.8 73.2

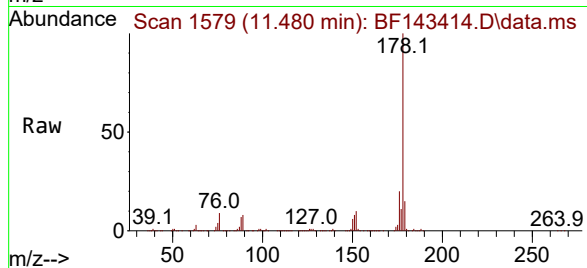
264 62.9 48.8 73.2





#71
Phenanthrene
Concen: 32.064 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

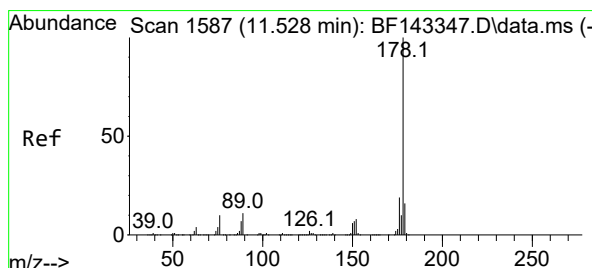
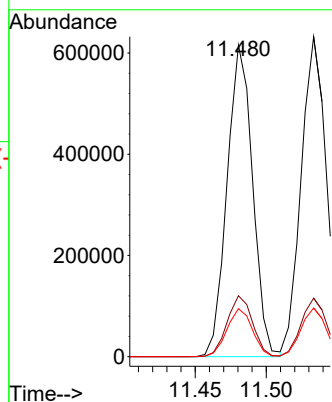
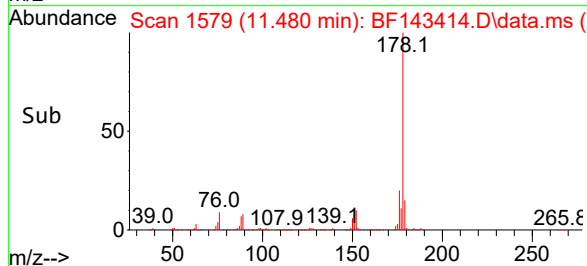
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



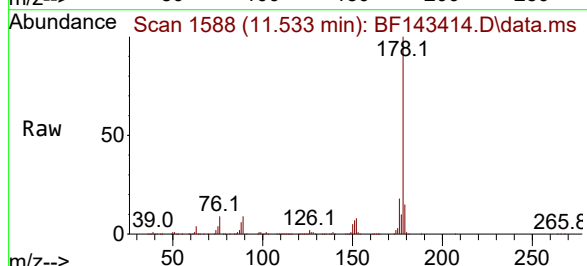
Tgt Ion:178 Resp: 770997
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.4 12.5 18.7

Manual Integrations
APPROVED

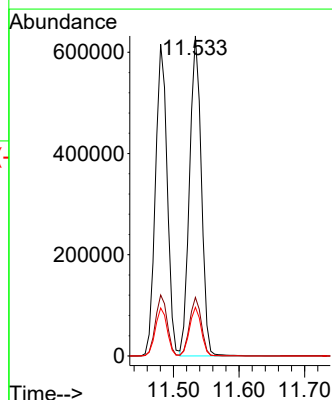
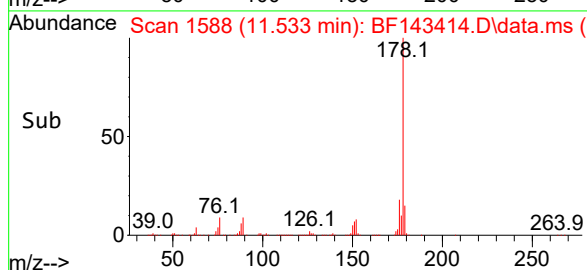
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

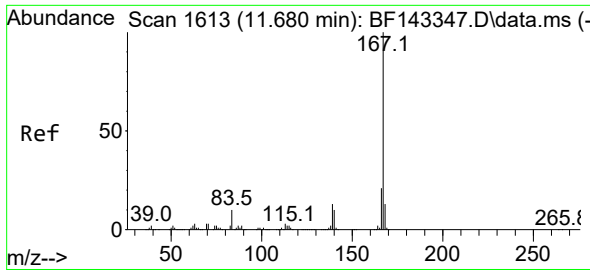


#72
Anthracene
Concen: 32.187 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



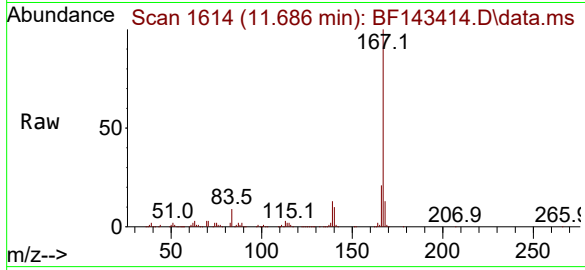
Tgt Ion:178 Resp: 784923
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 15.2 12.7 19.1





#73
Carbazole
Concen: 31.538 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

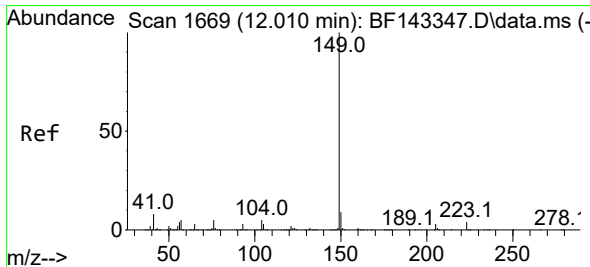
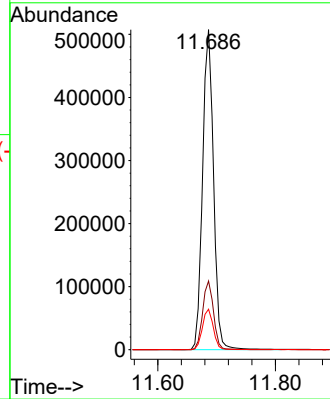
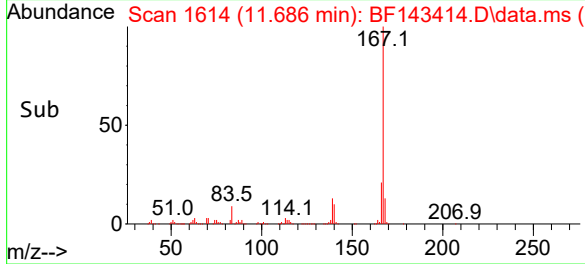
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



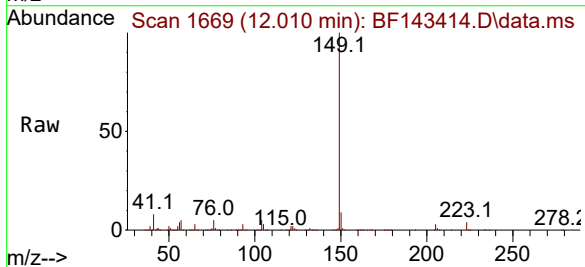
Tgt Ion:167 Resp: 654998
Ion Ratio Lower Upper
167 100
166 21.5 16.8 25.2
139 12.6 10.2 15.2

Manual Integrations
APPROVED

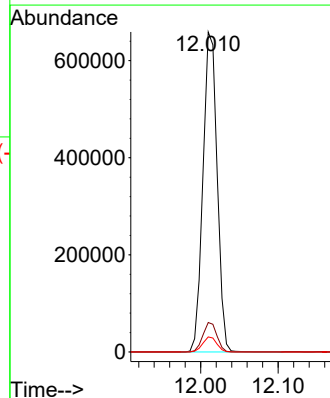
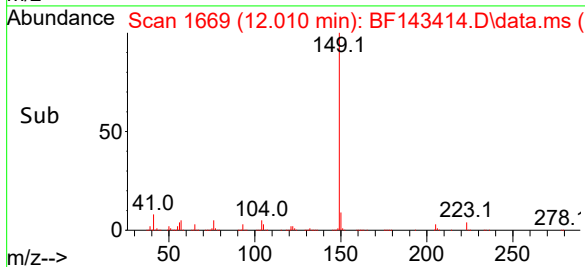
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

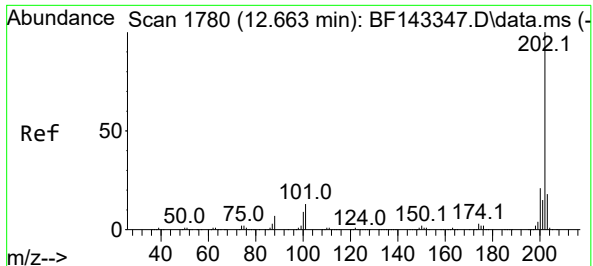


#74
Di-n-butylphthalate
Concen: 47.674 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



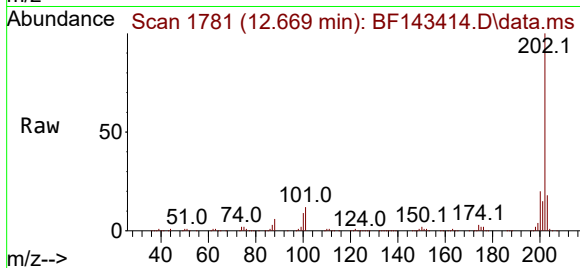
Tgt Ion:149 Resp: 837836
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 31.484 ng
RT: 12.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

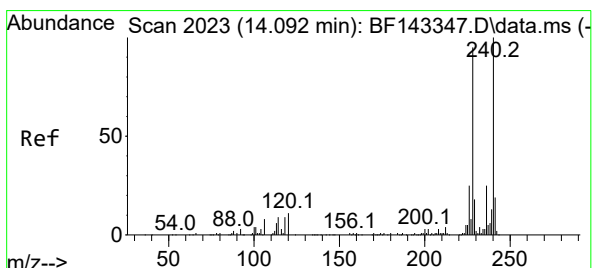
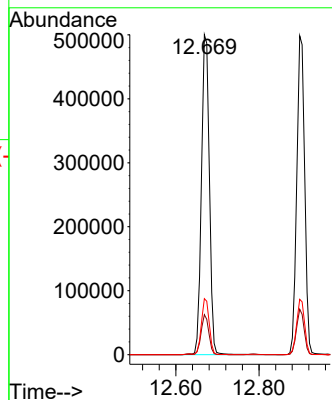
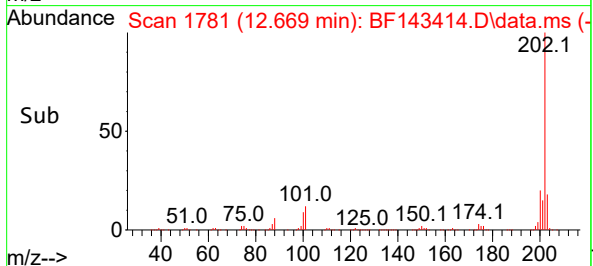
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:202 Resp: 663149
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
203 17.5 0.0 37.6

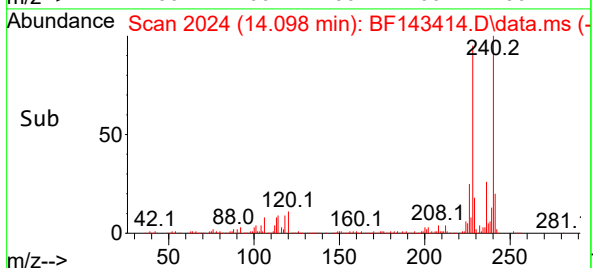
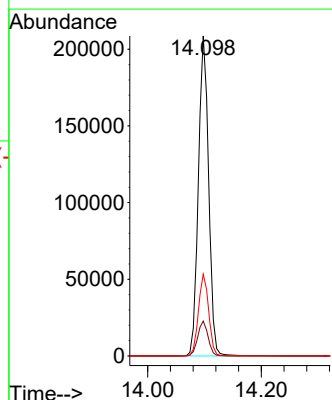
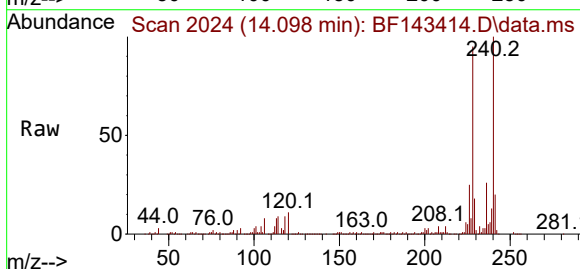
Manual Integrations
APPROVED

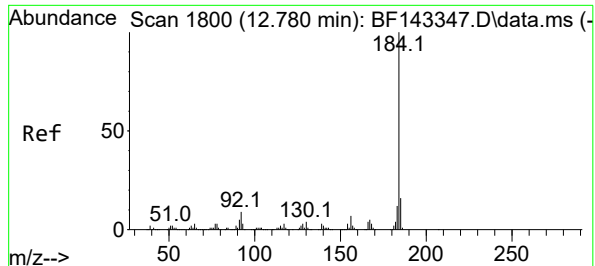
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:240 Resp: 263251
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 25.5 19.9 29.9





#77

Benzidine

Concen: 35.412 ng

RT: 12.786 min Scan# 1800

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:184 Resp: 254862

Ion Ratio Lower Upper

184 100

185 15.0 12.8 19.2

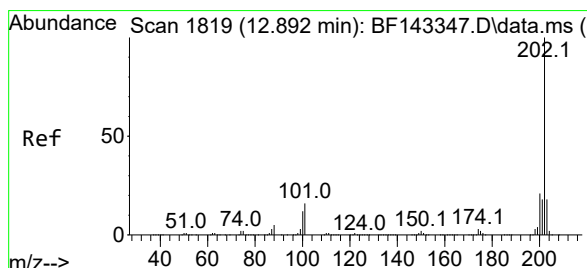
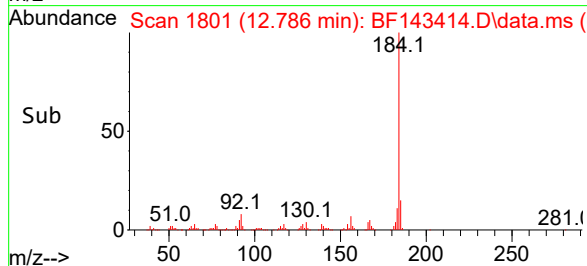
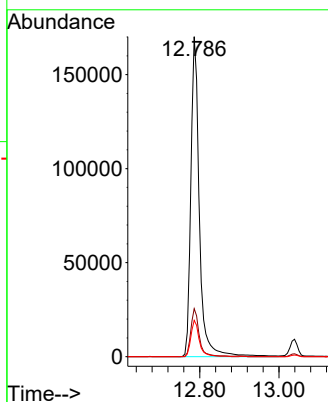
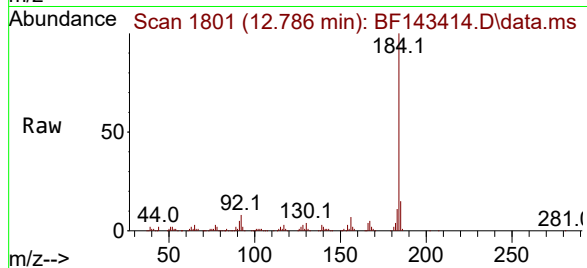
183 11.4 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#78

Pyrene

Concen: 29.850 ng

RT: 12.898 min Scan# 1820

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

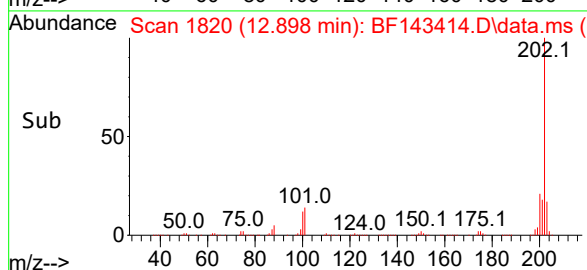
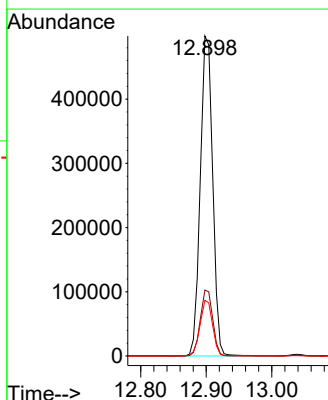
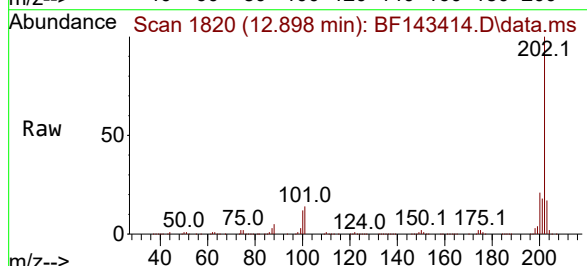
Tgt Ion:202 Resp: 659217

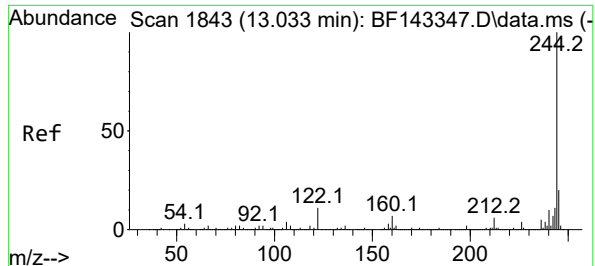
Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 65.816 ng

RT: 13.039 min Scan# 1843

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:244 Resp: 970470

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

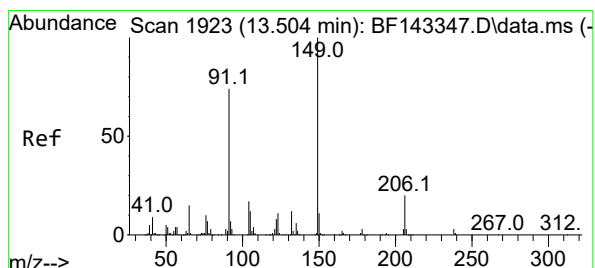
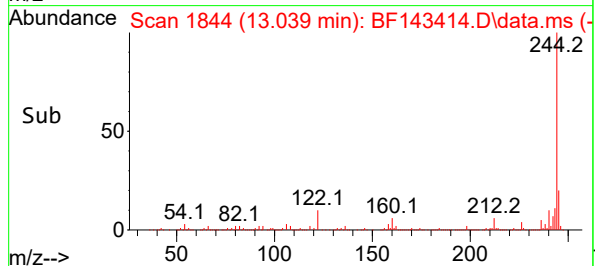
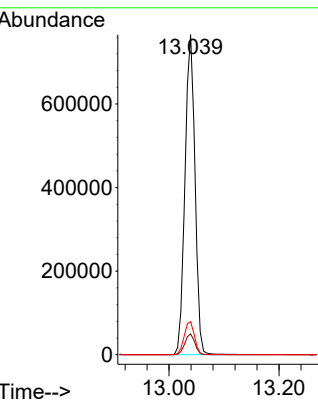
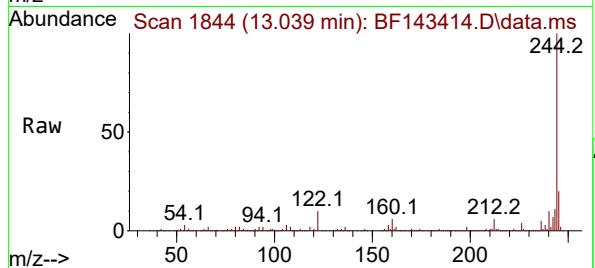
122 10.3 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#80

Butylbenzylphthalate

Concen: 54.249 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

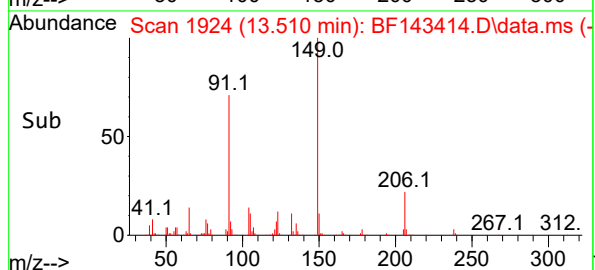
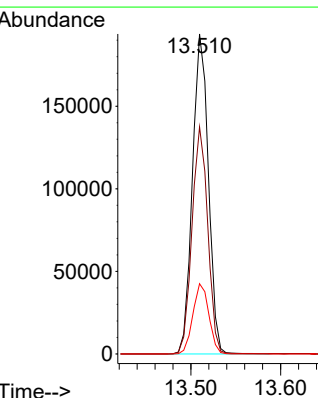
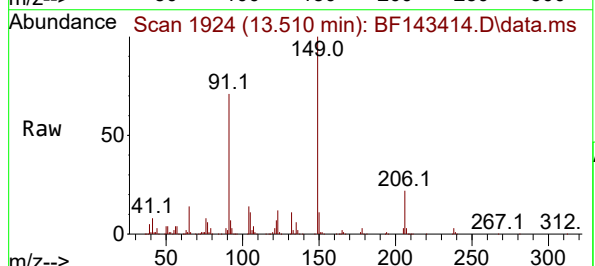
Tgt Ion:149 Resp: 238799

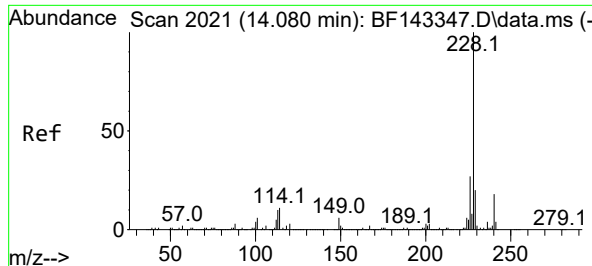
Ion Ratio Lower Upper

149 100

91 70.9 58.8 88.2

206 21.9 16.4 24.6





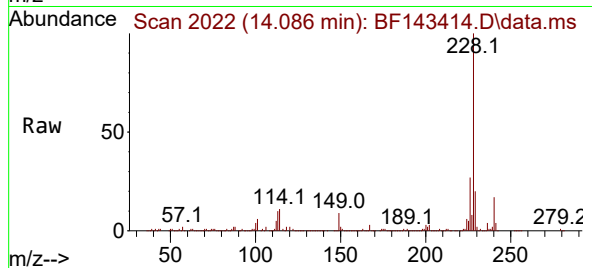
#81
Benzo(a)anthracene
Concen: 32.070 ng
RT: 14.086 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

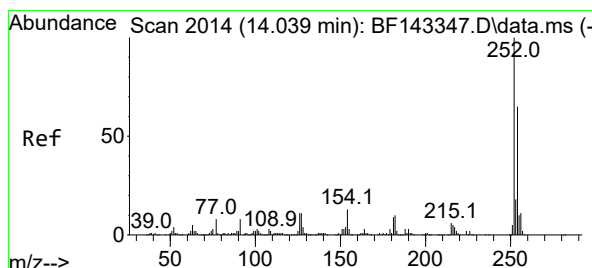
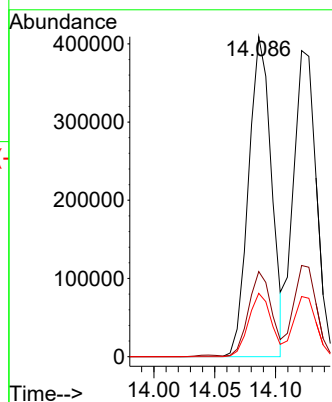
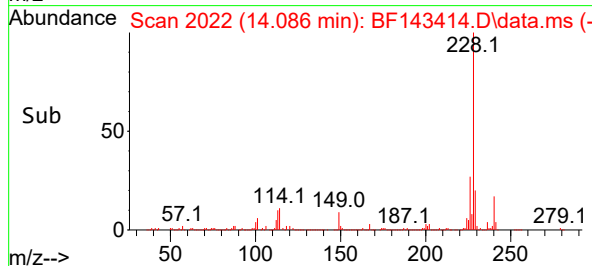
SSTDCCC040EC



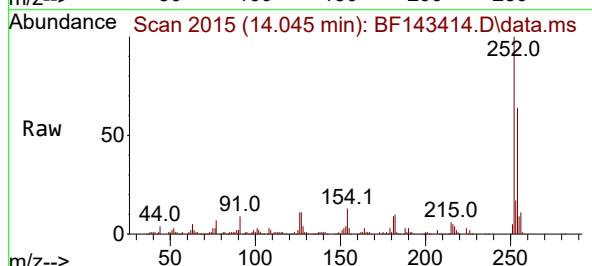
Tgt Ion:228 Resp: 53660
Ion Ratio Lower Upper
228 100
226 26.6 22.0 33.0
229 19.8 15.8 23.8

Manual Integrations
APPROVED

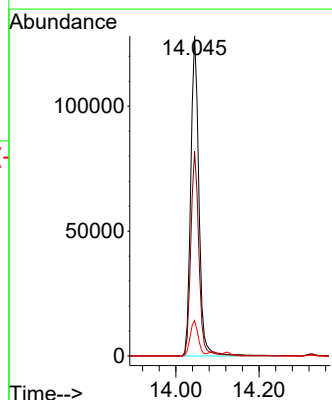
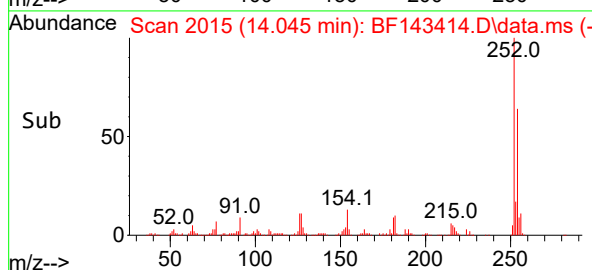
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

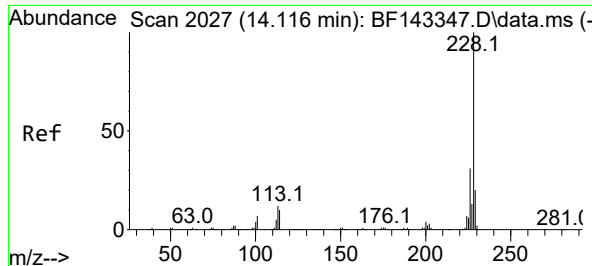


#82
3,3'-Dichlorobenzidine
Concen: 38.596 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



Tgt Ion:252 Resp: 174378
Ion Ratio Lower Upper
252 100
254 63.9 51.7 77.5
126 11.0 9.2 13.8





#83

Chrysene

Concen: 33.206 ng

RT: 14.121 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:228 Resp: 51806

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

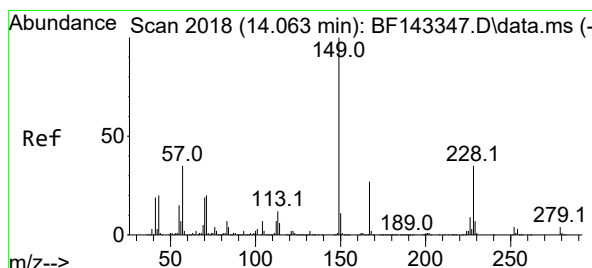
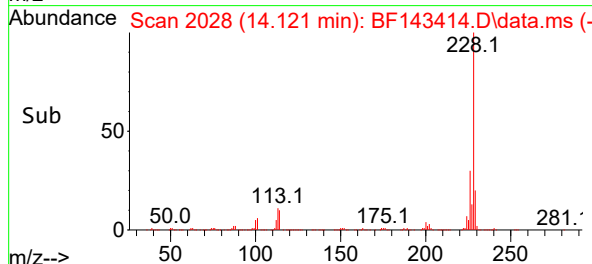
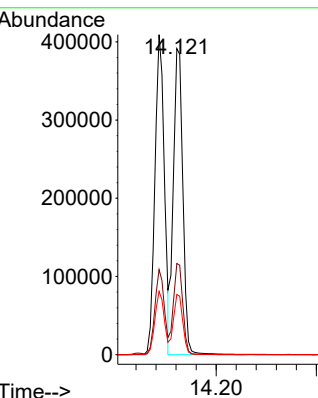
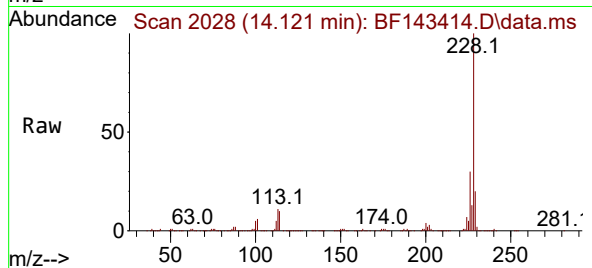
229 19.7 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.477 ng

RT: 14.068 min Scan# 2019

Delta R.T. 0.005 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

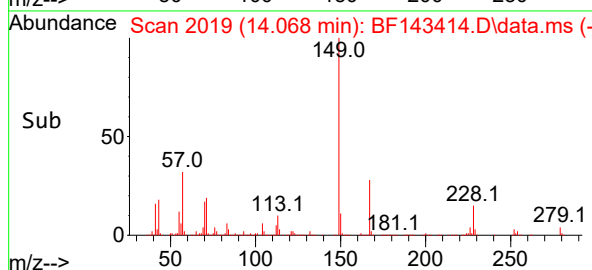
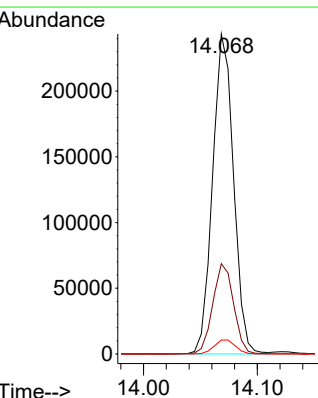
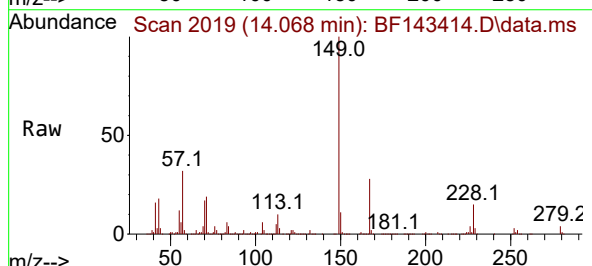
Tgt Ion:149 Resp: 311459

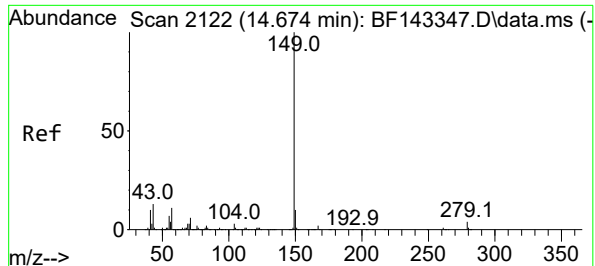
Ion Ratio Lower Upper

149 100

167 28.2 21.4 32.0

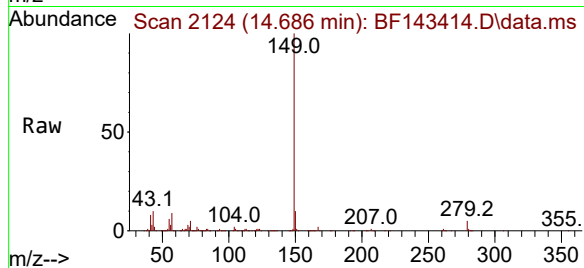
279 4.3 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 43.223 ng
RT: 14.686 min Scan# 2122
Delta R.T. 0.012 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

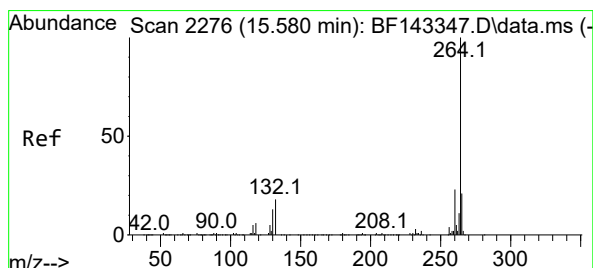
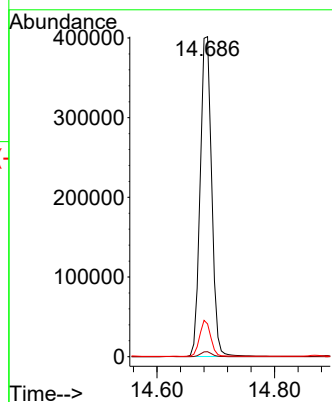
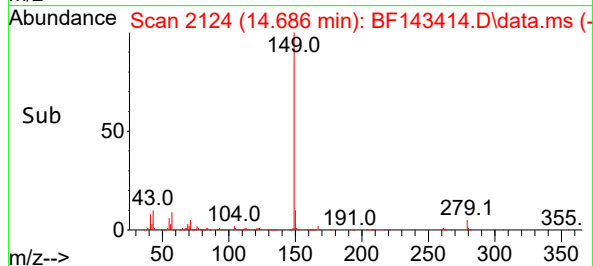
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



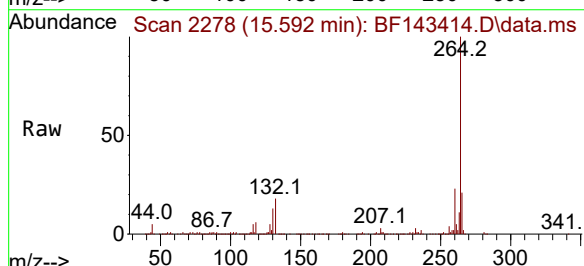
Tgt Ion:149 Resp: 54364
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 10.8 10.8 16.2

Manual Integrations
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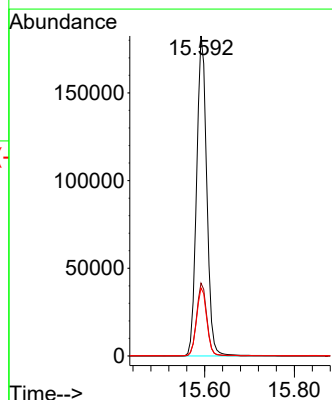
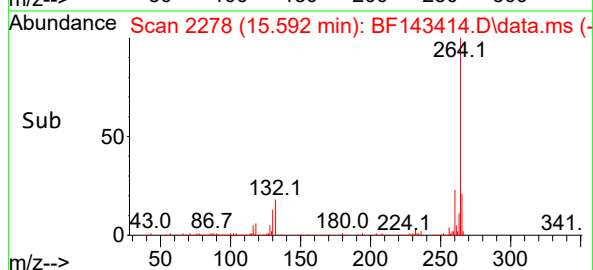
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

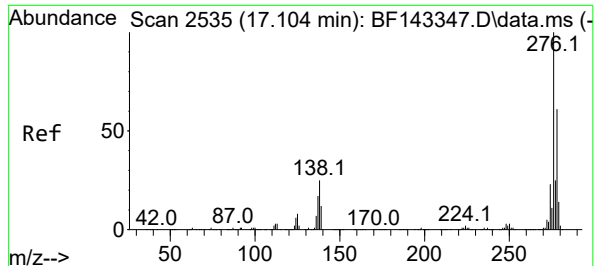


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. 0.012 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45



Tgt Ion:264 Resp: 287708
Ion Ratio Lower Upper
264 100
260 22.7 18.7 28.1
265 21.2 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 25.053 ng

RT: 17.121 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:276 Resp: 51640

Ion Ratio Lower Upper

276 100

138 25.8 21.1 31.7

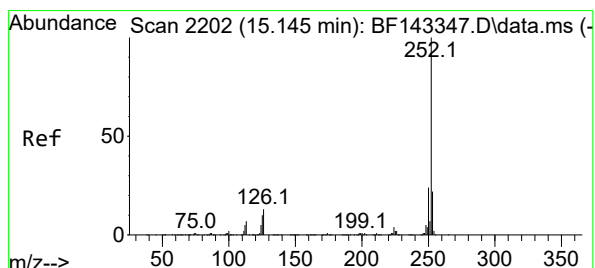
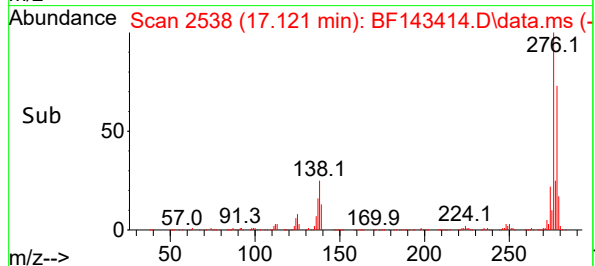
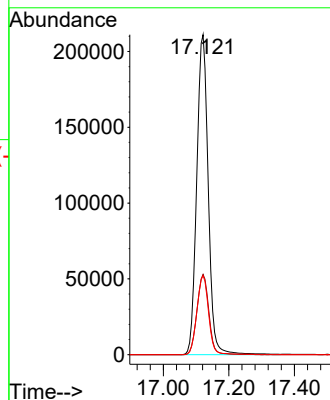
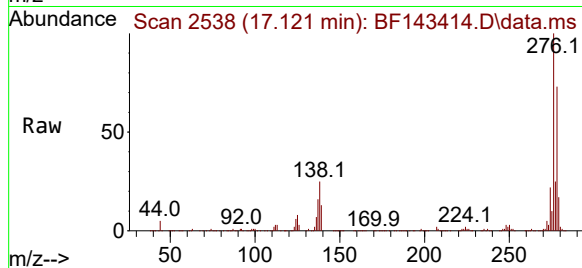
277 25.0 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#88

Benzo(b)fluoranthene

Concen: 36.155 ng

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

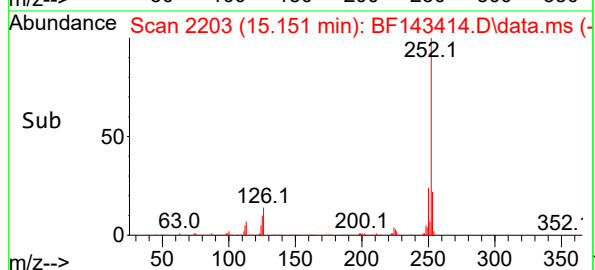
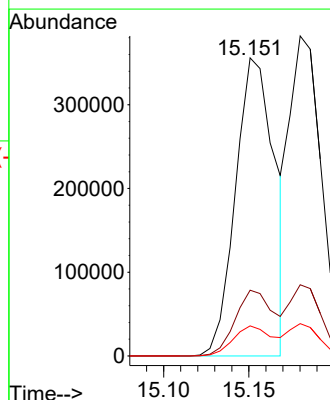
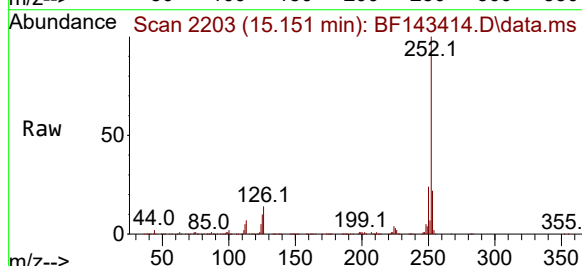
Tgt Ion:252 Resp: 568955

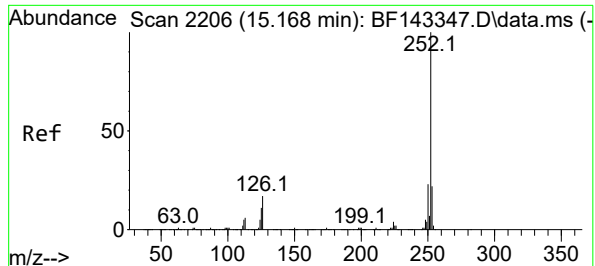
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 10.1 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 33.108 ng

RT: 15.180 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDC040EC

Tgt Ion:252 Resp: 50625

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

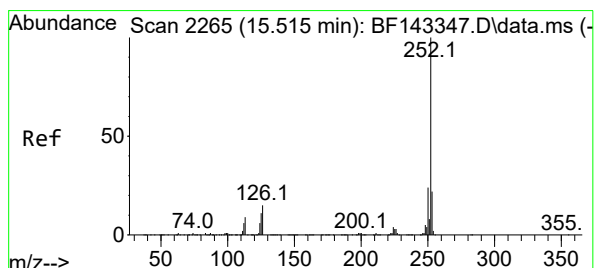
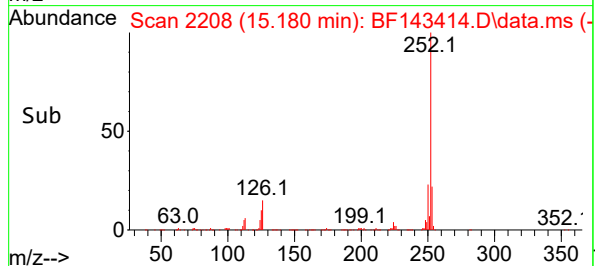
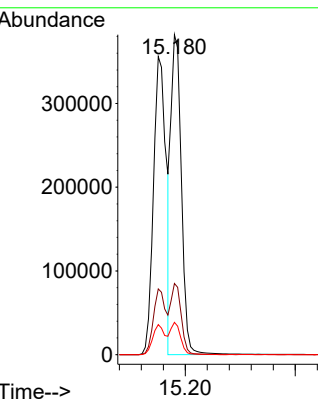
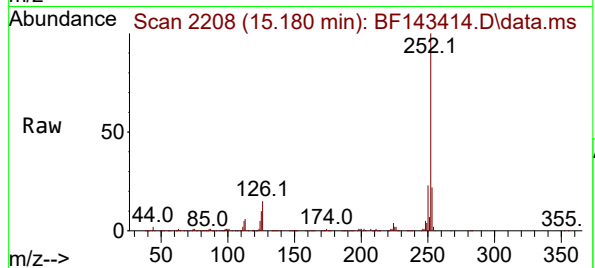
125 10.1 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#90

Benzo(a)pyrene

Concen: 33.357 ng

RT: 15.527 min Scan# 2267

Delta R.T. 0.012 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

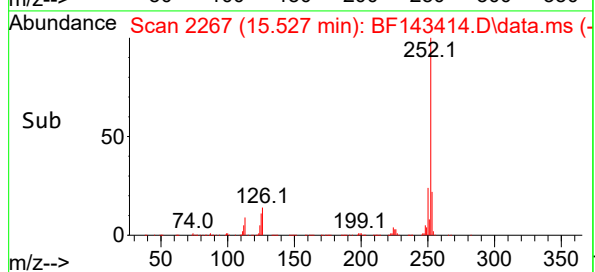
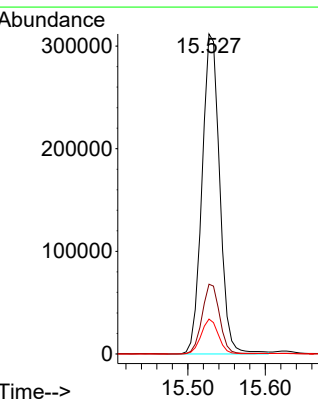
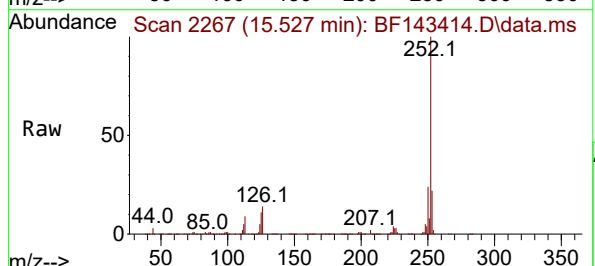
Tgt Ion:252 Resp: 494384

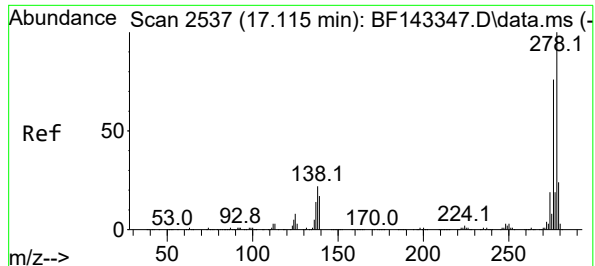
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.9 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 25.756 ng

RT: 17.133 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:278 Resp: 42413

Ion Ratio Lower Upper

278 100

139 16.3 14.0 21.0

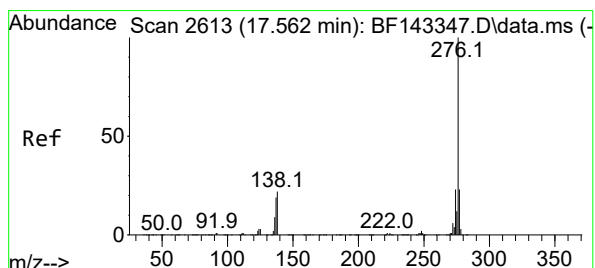
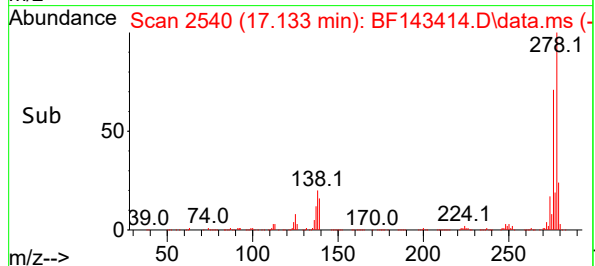
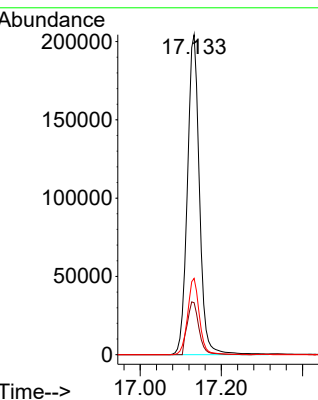
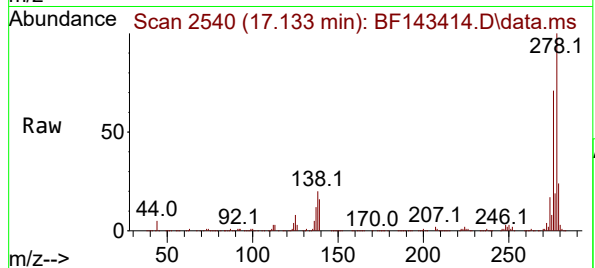
279 23.9 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#92

Benzo(g,h,i)perylene

Concen: 22.931 ng

RT: 17.574 min Scan# 2615

Delta R.T. 0.012 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

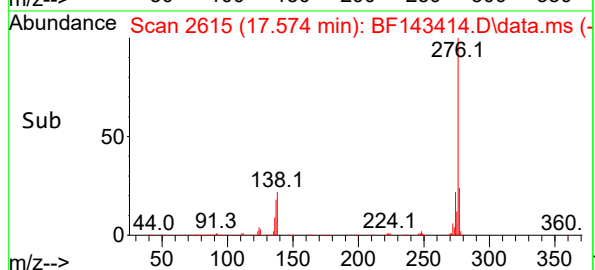
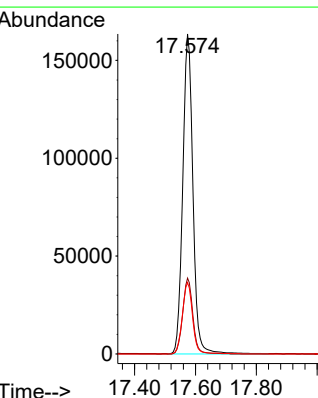
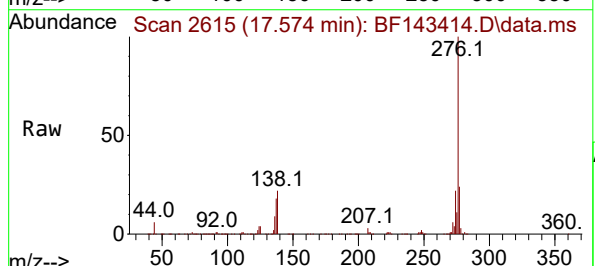
Tgt Ion:276 Resp: 380387

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 22.3 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143414.D
Acq On : 15 Aug 2025 12:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 13:01:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79	0.00
2	1,4-Dioxane	0.598	0.439	26.6#	58	-0.04
3	Pyridine	1.595	1.186	25.6#	58	-0.03
4	n-Nitrosodimethylamine	0.743	0.542	27.1#	57	-0.04
5 S	2-Fluorophenol	1.157	0.947	18.2	64	0.00
6	Aniline	2.091	1.641	21.5	61	0.00
7 S	Phenol-d6	1.483	1.193	19.6	63	0.00
8	2-Chlorophenol	1.236	1.054	14.7	66	0.00
9	Benzaldehyde	0.980	0.712	27.3#	56	0.00
10 C	Phenol	1.757	1.426	18.8	63	0.00
11	bis(2-Chloroethyl)ether	1.295	1.043	19.5	63	0.00
12	1,3-Dichlorobenzene	1.425	1.172	17.8	65	0.00
13 C	1,4-Dichlorobenzene	1.431	1.183	17.3	66	0.00
14	1,2-Dichlorobenzene	1.358	1.121	17.5	66	0.00
15	Benzyl Alcohol	1.063	0.914	14.0	66	0.00
16	2,2'-oxybis(1-Chloropropane	2.312	1.796	22.3	61	0.00
17	2-Methylphenol	1.043	0.867	16.9	65	0.00
18	Hexachloroethane	0.449	0.405	9.8	69	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.747	18.4	65	0.00
20	3+4-Methylphenols	1.262	1.071	15.1	66	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	79	0.00
22	Acetophenone	0.441	0.354	19.7	65	0.00
23 S	Nitrobenzene-d5	0.321	0.283	11.8	67	0.00
24	Nitrobenzene	0.349	0.297	14.9	65	0.00
25	Isophorone	0.656	0.540	17.7	66	0.00
26 C	2-Nitrophenol	0.118	0.145	-22.9#	91	0.00
27	2,4-Dimethylphenol	0.274	0.238	13.1	67	0.00
28	bis(2-Chloroethoxy)methane	0.400	0.331	17.3	66	0.00
29 C	2,4-Dichlorophenol	0.267	0.236	11.6	68	0.00
30	1,2,4-Trichlorobenzene	0.282	0.238	15.6	68	0.00
31	Naphthalene	0.962	0.784	18.5	66	0.00
32	Benzoic acid	0.110	0.104	5.5	76	0.00
33	4-Chloroaniline	0.347	0.289	16.7	66	0.00
34 C	Hexachlorobutadiene	0.175	0.152	13.1	69	0.00
35	Caprolactam	0.075	0.072	4.0	73	0.00
36 C	4-Chloro-3-methylphenol	0.280	0.243	13.2	67	0.00
37	2-Methylnaphthalene	0.633	0.537	15.2	68	0.00
38	1-Methylnaphthalene	0.609	0.513	15.8	68	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	84	0.00
40	1,2,4,5-Tetrachlorobenzene	0.547	0.455	16.8	70	0.00
41 P	Hexachlorocyclopentadiene	0.158	0.142	10.1	72	0.00
42 S	2,4,6-Tribromophenol	0.146	0.148	-1.4	78	0.00
43 C	2,4,6-Trichlorophenol	0.311	0.287	7.7	72	0.00
44	2,4,5-Trichlorophenol	0.351	0.311	11.4	69	0.00
45 S	2-Fluorobiphenyl	1.179	0.962	18.4	71	0.00
46	1,1'-Biphenyl	1.414	1.152	18.5	70	0.00
47	2-Chloronaphthalene	1.114	0.905	18.8	69	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143414.D
Acq On : 15 Aug 2025 12:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 13:01:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.284	0.284	0.0	77	0.00
49	Acenaphthylene	1.608	1.310	18.5	69	0.00
50	Dimethylphthalate	1.169	1.059	9.4	75	0.00
51	2,6-Dinitrotoluene	0.193	0.222	-15.0	88	0.00
52 C	Acenaphthene	1.069	0.850	20.5#	68	0.00
53	3-Nitroaniline	0.239	0.241	-0.8	77	0.00
54 P	2,4-Dinitrophenol	0.065	0.042#	35.4#	54	0.00
55	Dibenzofuran	1.539	1.271	17.4	71	0.00
56 P	4-Nitrophenol	0.163	0.131	19.6	64	0.00
57	2,4-Dinitrotoluene	0.256	0.295	-15.2	86	0.00
58	Fluorene	1.175	0.950	19.1	70	0.00
59	2,3,4,6-Tetrachlorophenol	0.236	0.228	3.4	75	0.00
60	Diethylphthalate	1.047	1.010	3.5	79	0.00
61	4-Chlorophenyl-phenylether	0.568	0.491	13.6	73	0.00
62	4-Nitroaniline	0.232	0.219	5.6	74	0.00
63	Azobenzene	1.196	0.971	18.8	68	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	85	0.00
65	4,6-Dinitro-2-methylphenol	0.069	0.064	7.2	76	0.00
66 c	n-Nitrosodiphenylamine	0.659	0.548	16.8	71	0.00
67	4-Bromophenyl-phenylether	0.229	0.201	12.2	74	0.00
68	Hexachlorobenzene	0.247	0.207	16.2	72	0.00
69	Atrazine	0.172	0.184	-7.0	88	0.00
70 C	Pentachlorophenol	0.101	0.083	17.8	66	0.00
71	Phenanthrene	1.091	0.875	19.8	69	0.00
72	Anthracene	1.107	0.890	19.6	70	0.00
73	Carbazole	0.942	0.743	21.1	68	0.00
74	Di-n-butylphthalate	0.798	0.951	-19.2	94	0.00
75 C	Fluoranthene	0.956	0.752	21.3#	70	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	91	0.00
77	Benzydine	0.547	0.484	11.5	74	0.00
78	Pyrene	1.678	1.252	25.4#	68	0.00
79 S	Terphenyl-d14	1.120	0.922	17.7	77	0.00
80	Butylbenzylphthalate	0.284	0.454	-59.9#	136	0.00
81	Benzo(a)anthracene	1.271	1.019	19.8	73	0.00
82	3,3'-Dichlorobenzidine	0.343	0.331	3.5	83	0.00
83	Chrysene	1.185	0.984	17.0	76	0.00
84	Bis(2-ethylhexyl)phthalate	0.403	0.592	-46.9#	122	0.00
85 c	Di-n-octyl phthalate	0.860	1.033	-20.1#	106	0.01
86 I	Perylene-d12	1.000	1.000	0.0	88	0.01
87	Indeno(1,2,3-cd)pyrene	1.433	0.897	37.4#	54	0.02
88	Benzo(b)fluoranthene	1.094	0.989	9.6	78	0.00
89	Benzo(k)fluoranthene	1.063	0.880	17.2	74	0.01
90 C	Benzo(a)pyrene	1.030	0.859	16.6	73	0.01
91	Dibenzo(a,h)anthracene	1.145	0.737	35.6#	55	0.02
92	Benzo(g,h,i)perylene	1.153	0.661	42.7#	50#	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143414.D
Acq On : 15 Aug 2025 12:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 13:01:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 1 CCC's out = 4

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143414.D
Acq On : 15 Aug 2025 12:45
Operator : RC/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	79	0.00
2	1,4-Dioxane	40.000	29.338	26.7#	58	-0.04
3	Pyridine	40.000	29.750	25.6#	58	-0.03
4	n-Nitrosodimethylamine	40.000	29.178	27.1#	57	-0.04
5 S	2-Fluorophenol	80.000	65.483	18.1	64	0.00
6	Aniline	40.000	31.397	21.5	61	0.00
7 S	Phenol-d6	80.000	64.363	19.5	63	0.00
8	2-Chlorophenol	40.000	34.120	14.7	66	0.00
9	Benzaldehyde	40.000	29.058	27.4#	56	0.00
10 C	Phenol	40.000	32.459	18.9	63	0.00
11	bis(2-Chloroethyl)ether	40.000	32.232	19.4	63	0.00
12	1,3-Dichlorobenzene	40.000	32.885	17.8	65	0.00
13 C	1,4-Dichlorobenzene	40.000	33.070	17.3	66	0.00
14	1,2-Dichlorobenzene	40.000	33.020	17.4	66	0.00
15	Benzyl Alcohol	40.000	34.380	14.0	66	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	31.066	22.3	61	0.00
17	2-Methylphenol	40.000	33.263	16.8	65	0.00
18	Hexachloroethane	40.000	36.078	9.8	69	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	32.620	18.5	65	0.00
20	3+4-Methylphenols	40.000	33.947	15.1	66	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	79	0.00
22	Acetophenone	40.000	32.094	19.8	65	0.00
23 S	Nitrobenzene-d5	80.000	70.617	11.7	67	0.00
24	Nitrobenzene	40.000	34.031	14.9	65	0.00
25	Isophorone	40.000	32.967	17.6	66	0.00
26 C	2-Nitrophenol	40.000	42.036	-5.1	91	0.00
27	2,4-Dimethylphenol	40.000	34.831	12.9	67	0.00
28	bis(2-Chloroethoxy)methane	40.000	33.061	17.3	66	0.00
29 C	2,4-Dichlorophenol	40.000	35.311	11.7	68	0.00
30	1,2,4-Trichlorobenzene	40.000	33.779	15.6	68	0.00
31	Naphthalene	40.000	32.577	18.6	66	0.00
32	Benzoic acid	40.000	38.012	5.0	76	0.00
33	4-Chloroaniline	40.000	33.361	16.6	66	0.00
34 C	Hexachlorobutadiene	40.000	34.683	13.3	69	0.00
35	Caprolactam	40.000	38.568	3.6	73	0.00
36 C	4-Chloro-3-methylphenol	40.000	34.724	13.2	67	0.00
37	2-Methylnaphthalene	40.000	33.929	15.2	68	0.00
38	1-Methylnaphthalene	40.000	33.644	15.9	68	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	84	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	33.273	16.8	70	0.00
41 P	Hexachlorocyclopentadiene	40.000	33.685	15.8	72	0.00
42 S	2,4,6-Tribromophenol	80.000	80.975	-1.2	78	0.00
43 C	2,4,6-Trichlorophenol	40.000	36.945	7.6	72	0.00
44	2,4,5-Trichlorophenol	40.000	35.491	11.3	69	0.00
45 S	2-Fluorobiphenyl	80.000	65.272	18.4	71	0.00
46	1,1'-Biphenyl	40.000	32.572	18.6	70	0.00
47	2-Chloronaphthalene	40.000	32.510	18.7	69	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143414.D
Acq On : 15 Aug 2025 12:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 13:01:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	36.111	9.7	77	0.00
49	Acenaphthylene	40.000	32.585	18.5	69	0.00
50	Dimethylphthalate	40.000	36.250	9.4	75	0.00
51	2,6-Dinitrotoluene	40.000	40.656	-1.6	88	0.00
52 C	Acenaphthene	40.000	31.799	20.5#	68	0.00
53	3-Nitroaniline	40.000	40.277	-0.7	77	0.00
54 P	2,4-Dinitrophenol	40.000	29.103	27.2#	54	0.00
55	Dibenzofuran	40.000	33.049	17.4	71	0.00
56 P	4-Nitrophenol	40.000	30.958	22.6	64	0.00
57	2,4-Dinitrotoluene	40.000	40.754	-1.9	86	0.00
58	Fluorene	40.000	32.317	19.2	70	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.636	3.4	75	0.00
60	Diethylphthalate	40.000	38.608	3.5	79	0.00
61	4-Chlorophenyl-phenylether	40.000	34.550	13.6	73	0.00
62	4-Nitroaniline	40.000	37.893	5.3	74	0.00
63	Azobenzene	40.000	32.483	18.8	68	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	85	0.00
65	4,6-Dinitro-2-methylphenol	40.000	33.921	15.2	76	0.00
66 c	n-Nitrosodiphenylamine	40.000	33.283	16.8	71	0.00
67	4-Bromophenyl-phenylether	40.000	35.127	12.2	74	0.00
68	Hexachlorobenzene	40.000	33.541	16.1	72	0.00
69	Atrazine	40.000	42.966	-7.4	88	0.00
70 C	Pentachlorophenol	40.000	31.527	21.2#	66	0.00
71	Phenanthrene	40.000	32.064	19.8	69	0.00
72	Anthracene	40.000	32.187	19.5	70	0.00
73	Carbazole	40.000	31.538	21.2	68	0.00
74	Di-n-butylphthalate	40.000	47.674	-19.2	94	0.00
75 C	Fluoranthene	40.000	31.484	21.3#	70	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	91	0.00
77	Benzydine	40.000	35.412	11.5	74	0.00
78	Pyrene	40.000	29.850	25.4#	68	0.00
79 S	Terphenyl-d14	80.000	65.816	17.7	77	0.00
80	Butylbenzylphthalate	40.000	54.249	-35.6#	136	0.00
81	Benzo(a)anthracene	40.000	32.070	19.8	73	0.00
82	3,3'-Dichlorobenzidine	40.000	38.596	3.5	83	0.00
83	Chrysene	40.000	33.206	17.0	76	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	48.477	-21.2	122	0.00
85 c	Di-n-octyl phthalate	40.000	43.223	-8.1	106	0.01
86 I	Perylene-d12	20.000	20.000	0.0	88	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	25.053	37.4#	54	0.02
88	Benzo(b)fluoranthene	40.000	36.155	9.6	78	0.00
89	Benzo(k)fluoranthene	40.000	33.108	17.2	74	0.01
90 C	Benzo(a)pyrene	40.000	33.357	16.6	73	0.01
91	Dibenzo(a,h)anthracene	40.000	25.756	35.6#	55	0.02
92	Benzo(g,h,i)perylene	40.000	22.931	42.7#	50	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143414.D
Acq On : 15 Aug 2025 12:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 13:01:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 3



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/20/2025 22:05</u>
Lab File ID:	<u>BF143498.D</u>	Init. Calib. Date(s):	<u>08/20/2025 08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:55 14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.150		0.4	
Benzaldehyde	1.145	1.081		-5.6	
Phenol-d6	1.414	1.395		-1.3	
Phenol	1.629	1.649		1.2	20.0
bis(2-Chloroethyl)ether	1.217	1.211		-0.5	
2-Chlorophenol	1.265	1.270		0.4	
2-Methylphenol	1.015	1.021		0.6	
2,2-oxybis(1-Chloropropane)	1.947	1.949		0.1	
Acetophenone	0.432	0.424		-1.9	
3+4-Methylphenols	1.212	1.222		0.8	
n-Nitroso-di-n-propylamine	0.864	0.852	0.050	-1.4	
Nitrobenzene-d5	0.343	0.349		1.7	
Hexachloroethane	0.485	0.481		-0.8	
Nitrobenzene	0.353	0.362		2.5	
Isophorone	0.628	0.635		1.1	
2-Nitrophenol	0.173	0.181		4.6	20.0
2,4-Dimethylphenol	0.269	0.270		0.4	
bis(2-Chloroethoxy)methane	0.386	0.385		-0.3	
2,4-Dichlorophenol	0.288	0.290		0.7	20.0
Naphthalene	0.960	0.933		-2.8	
4-Chloroaniline	0.341	0.343		0.6	
Hexachlorobutadiene	0.193	0.192		-0.5	20.0
Caprolactam	0.069	0.078		13.0	
4-Chloro-3-methylphenol	0.288	0.293		1.7	20.0
2-Methylnaphthalene	0.641	0.630		-1.7	
Hexachlorocyclopentadiene	0.184	0.163	0.050	-11.4	
2,4,6-Trichlorophenol	0.352	0.356		1.1	20.0
2-Fluorobiphenyl	1.210	1.135		-6.2	
2,4,5-Trichlorophenol	0.385	0.377		-2.1	
1,1-Biphenyl	1.420	1.373		-3.3	
2-Chloronaphthalene	1.114	1.101		-1.2	
2-Nitroaniline	0.326	0.341		4.6	
Dimethylphthalate	1.205	1.228		1.9	
Acenaphthylene	1.595	1.574		-1.3	
2,6-Dinitrotoluene	0.250	0.262		4.8	
3-Nitroaniline	0.270	0.286		5.9	
Acenaphthene	1.083	1.061		-2.0	20.0
2,4-Dinitrophenol	0.115	0.099	0.050	-13.9	
4-Nitrophenol	0.161	0.174	0.050	8.1	



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_F Calibration Date/Time: 08/20/2025 22:05
 Lab File ID: BF143498.D Init. Calib. Date(s): 08/20/2025 08/20/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:55 14:20
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.518		-1.7	
2,4-Dinitrotoluene	0.333	0.354		6.3	
Diethylphthalate	1.080	1.104		2.2	
4-Chlorophenyl-phenylether	0.594	0.578		-2.7	
Fluorene	1.188	1.156		-2.7	
4-Nitroaniline	0.248	0.268		8.1	
4,6-Dinitro-2-methylphenol	0.113	0.110		-2.7	
n-Nitrosodiphenylamine	0.644	0.627		-2.6	20.0
2,4,6-Tribromophenol	0.186	0.184		-1.1	
4-Bromophenyl-phenylether	0.239	0.237		-0.8	
Hexachlorobenzene	0.257	0.247		-3.9	
Atrazine	0.166	0.185		11.4	
Pentachlorophenol	0.118	0.119		0.8	20.0
Phenanthrene	1.071	1.039		-3.0	
Anthracene	1.085	1.059		-2.4	
Carbazole	0.889	0.887		-0.2	
Di-n-butylphthalate	0.829	0.911		9.9	
Fluoranthene	0.961	0.962		0.1	20.0
Pyrene	1.645	1.665		1.2	
Terphenyl-d14	1.146	1.151		0.4	
Butylbenzylphthalate	0.449	0.480		6.9	
3,3-Dichlorobenzidine	0.369	0.369		0.0	
Benzo (a) anthracene	1.288	1.254		-2.6	
Chrysene	1.157	1.176		1.6	
Bis (2-ethylhexyl) phthalate	0.685	0.667		-2.6	
Di-n-octyl phthalate	1.268	1.215		-4.2	20.0
Benzo (b) fluoranthene	1.112	1.107		-0.4	
Benzo (k) fluoranthene	1.064	1.049		-1.4	
Benzo (a) pyrene	1.032	1.033		0.1	20.0
Indeno (1,2,3-cd) pyrene	1.437	1.484		3.3	
Dibenzo (a,h) anthracene	1.151	1.194		3.7	
Benzo (g,h,i) perylene	1.145	1.178		2.9	
1,2,4,5-Tetrachlorobenzene	0.572	0.553		-3.3	
1,4-Dioxane	0.531	0.507		-4.5	20.0
2,3,4,6-Tetrachlorophenol	0.286	0.296		3.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
Acq On : 20 Aug 2025 22:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	138596	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	522619	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	286971	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	448105	20.000	ng	0.00
76) Chrysene-d12	14.098	240	253253	20.000	ng	0.00
86) Perylene-d12	15.592	264	290056	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	637738	80.348	ng	0.00
7) Phenol-d6	6.563	99	773234	78.917	ng	-0.01
23) Nitrobenzene-d5	7.487	82	729626	81.469	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	211727	79.261	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1303360	75.061	ng	0.00
79) Terphenyl-d14	13.033	244	1165752	80.326	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.740	88	140603	38.239	ng	98
3) Pyridine	3.516	79	375727	38.366	ng	98
4) n-Nitrosodimethylamine	3.463	42	178227	40.483	ng	96
6) Aniline	6.593	93	522533	39.899	ng	97
8) 2-Chlorophenol	6.716	128	352106	40.164	ng	100
9) Benzaldehyde	6.481	77	299609	37.769	ng	99
10) Phenol	6.581	94	457188	40.504	ng	96
11) bis(2-Chloroethyl)ether	6.657	93	335666	39.795	ng	100
12) 1,3-Dichlorobenzene	6.869	146	387151	39.304	ng	99
13) 1,4-Dichlorobenzene	6.945	146	392595	39.733	ng	99
14) 1,2-Dichlorobenzene	7.098	146	368248	39.364	ng	99
15) Benzyl Alcohol	7.069	79	295313	40.257	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.198	45	540115	40.025	ng	98
17) 2-Methylphenol	7.181	107	283139	40.241	ng	97
18) Hexachloroethane	7.440	117	133370	39.700	ng	97
19) n-Nitroso-di-n-propyla...	7.340	70	236284	39.455	ng	99
20) 3+4-Methylphenols	7.334	107	338683	40.322	ng	99
22) Acetophenone	7.334	105	443559	39.285	ng	98
24) Nitrobenzene	7.510	77	377880	40.995	ng	100
25) Isophorone	7.745	82	663816	40.435	ng	100
26) 2-Nitrophenol	7.822	139	189065	41.873	ng	96
27) 2,4-Dimethylphenol	7.863	122	282610	40.152	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	402537	39.898	ng	99
29) 2,4-Dichlorophenol	8.069	162	303216	40.336	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	300881	38.930	ng	99
31) Naphthalene	8.234	128	975102	38.863	ng	100
32) Benzoic acid	7.981	122	142723	37.123	ng	99
33) 4-Chloroaniline	8.275	127	358457	40.252	ng	98
34) Hexachlorobutadiene	8.351	225	200566	39.776	ng	100
35) Caprolactam	8.651	113	81048	44.931	ng	94
36) 4-Chloro-3-methylphenol	8.763	107	306743	40.718	ng	99
37) 2-Methylnaphthalene	8.922	142	658303	39.283	ng	100
38) 1-Methylnaphthalene	9.022	142	632252	39.442	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	317550	38.686	ng	100
41) Hexachlorocyclopentadiene	9.081	237	93698	33.457	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	204187	40.426	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
Acq On : 20 Aug 2025 22:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

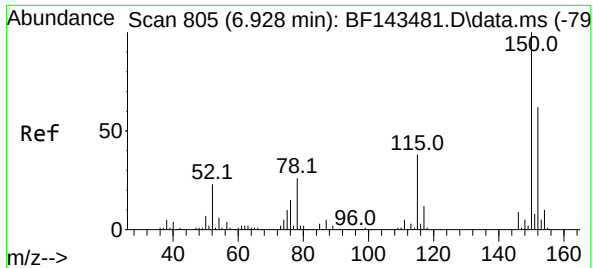
Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	216241	39.194	ng	99
46) 1,1'-Biphenyl	9.386	154	788125	38.693	ng	100
47) 2-Chloronaphthalene	9.410	162	631796	39.533	ng	98
48) 2-Nitroaniline	9.504	65	195526	41.804	ng	99
49) Acenaphthylene	9.828	152	903587	39.486	ng	100
50) Dimethylphthalate	9.681	163	704558	40.765	ng	100
51) 2,6-Dinitrotoluene	9.745	165	150329	41.967	ng	99
52) Acenaphthene	9.998	154	609043	39.200	ng	100
53) 3-Nitroaniline	9.916	138	164001	42.370	ng	100
54) 2,4-Dinitrophenol	10.028	184	56727	32.946	ng	99
55) Dibenzofuran	10.175	168	871391	39.338	ng	99
56) 4-Nitrophenol	10.081	139	99803	43.335	ng	93
57) 2,4-Dinitrotoluene	10.151	165	203299	42.505	ng	98
58) Fluorene	10.516	166	663350	38.909	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	169934	41.458	ng	99
60) Diethylphthalate	10.381	149	633362	40.873	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	331842	38.920	ng	99
62) 4-Nitroaniline	10.528	138	154077	43.337	ng	96
63) Azobenzene	10.663	77	653457	40.670	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	98928	39.155	ng	99
66) n-Nitrosodiphenylamine	10.622	169	562277	38.990	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	212441	39.734	ng	96
68) Hexachlorobenzene	11.069	284	221451	38.425	ng	98
69) Atrazine	11.145	200	166044	44.605	ng	99
70) Pentachlorophenol	11.263	266	107054	40.559	ng	100
71) Phenanthrene	11.480	178	931062	38.800	ng	100
72) Anthracene	11.533	178	949077	39.041	ng	100
73) Carbazole	11.680	167	795296	39.926	ng	99
74) Di-n-butylphthalate	12.010	149	816139	43.920	ng	99
75) Fluoranthene	12.669	202	862364	40.050	ng	100
77) Benzidine	12.786	184	284041	46.044	ng	99
78) Pyrene	12.898	202	843384	40.485	ng	100
80) Butylbenzylphthalate	13.504	149	242873	42.677	ng	97
81) Benzo(a)anthracene	14.086	228	635317	38.965	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	187129	40.076	ng	99
83) Chrysene	14.121	228	595706	40.656	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	337867	38.980	ng	99
85) Di-n-octyl phthalate	14.680	149	615416	38.327	ng	99
87) Indeno(1,2,3-cd)pyrene	17.127	276	861001	41.308	ng	100
88) Benzo(b)fluoranthene	15.157	252	642454	39.847	ng	100
89) Benzo(k)fluoranthene	15.186	252	608451	39.415	ng	99
90) Benzo(a)pyrene	15.533	252	599182	40.037	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	692716	41.497	ng	99
92) Benzo(g,h,i)perylene	17.586	276	683631	41.185	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

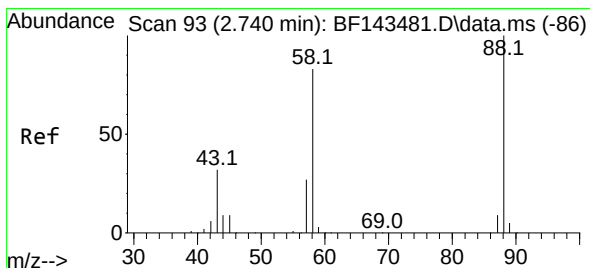
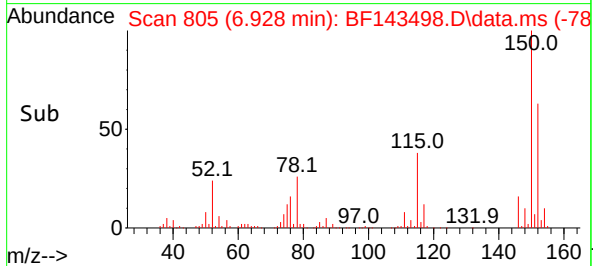
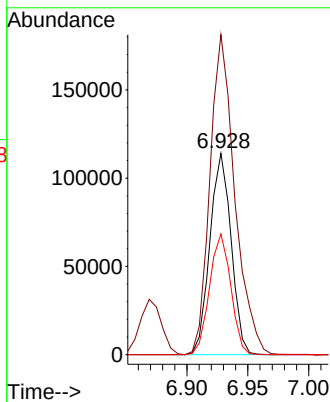
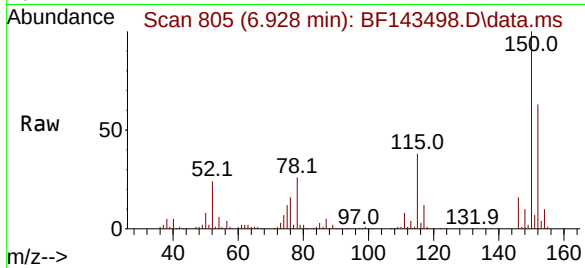
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

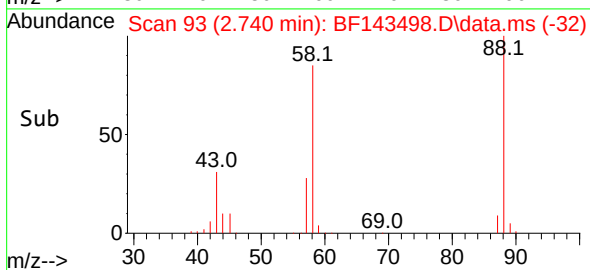
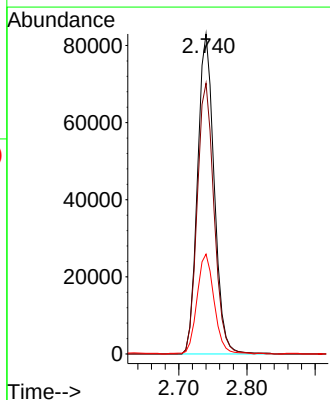
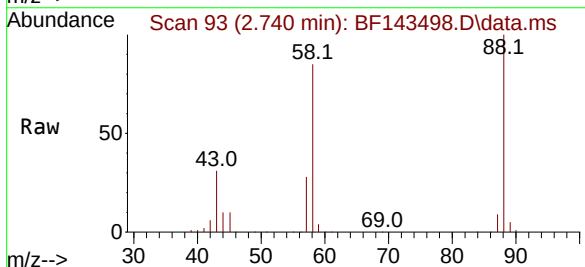
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

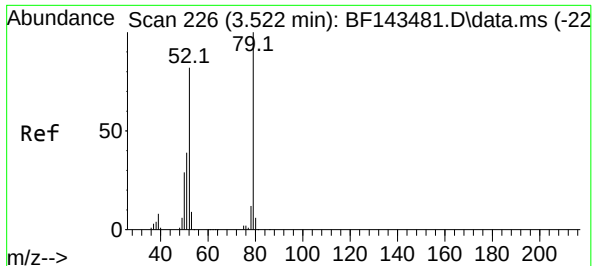
Tgt Ion:152 Resp: 138596
Ion Ratio Lower Upper
152 100
150 159.0 128.9 193.3
115 60.0 49.2 73.8



#2
1,4-Dioxane
Concen: 38.239 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion: 88 Resp: 140603
Ion Ratio Lower Upper
88 100
58 85.9 66.7 100.1
43 32.3 25.8 38.8





#3

Pyridine

Concen: 38.366 ng

RT: 3.516 min Scan# 216

Delta R.T. 0.000 min

Lab File: BF143498.D

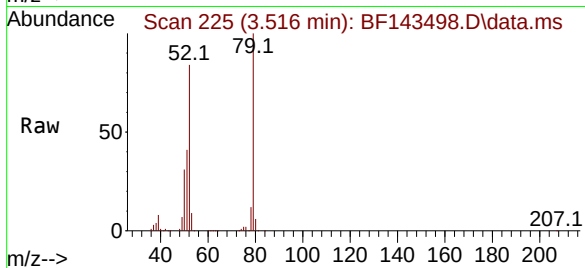
Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



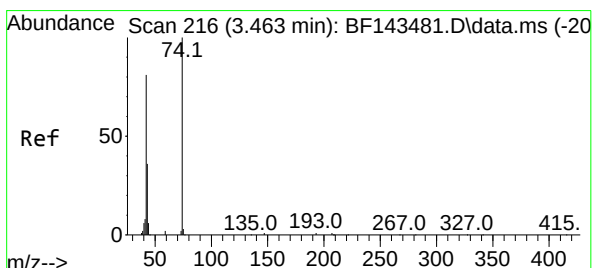
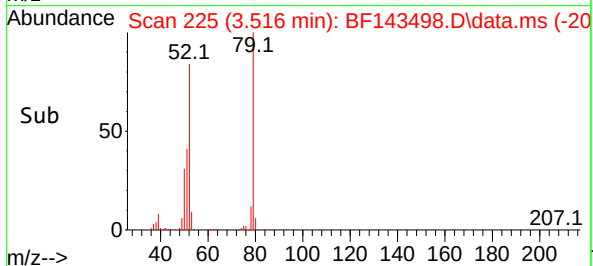
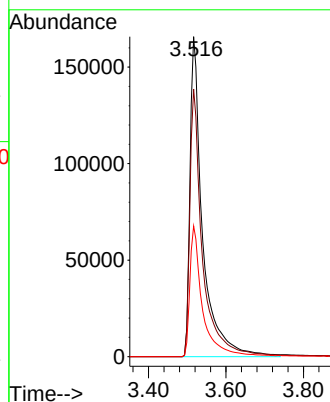
Tgt Ion: 79 Resp: 375727

Ion Ratio Lower Upper

79 100

52 83.7 65.6 98.4

51 40.9 31.2 46.8



#4

n-Nitrosodimethylamine

Concen: 40.483 ng

RT: 3.463 min Scan# 216

Delta R.T. -0.012 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

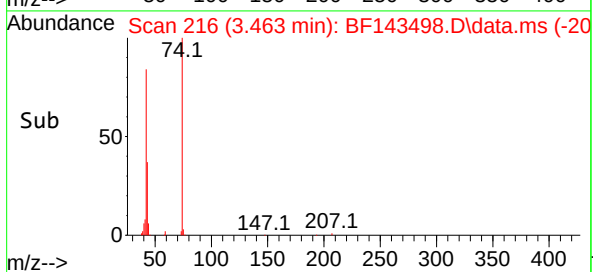
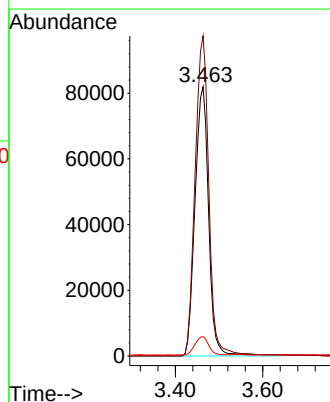
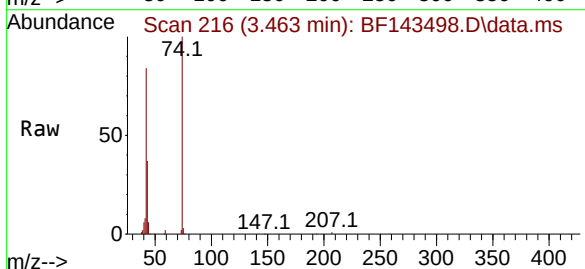
Tgt Ion: 42 Resp: 178227

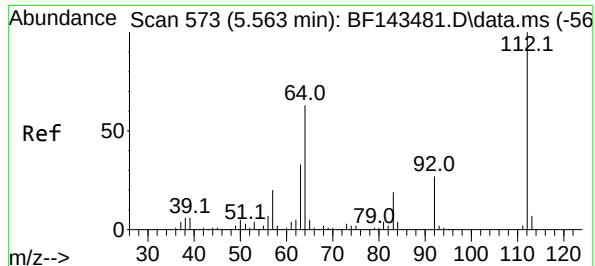
Ion Ratio Lower Upper

42 100

74 118.9 98.6 148.0

44 7.2 5.8 8.8





#5

2-Fluorophenol

Concen: 80.348 ng

RT: 5.557 min Scan# 51

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

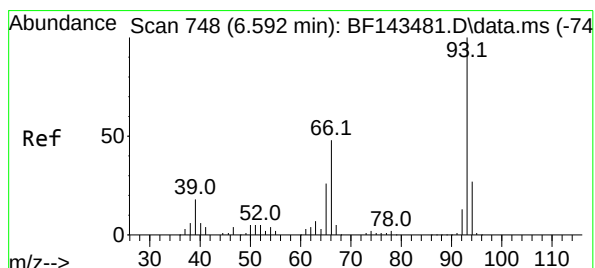
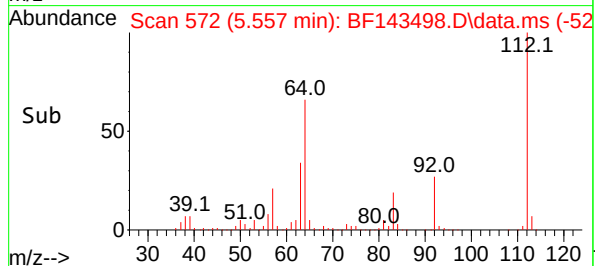
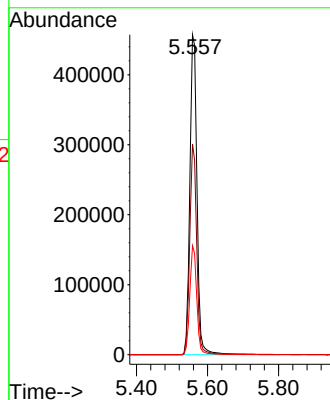
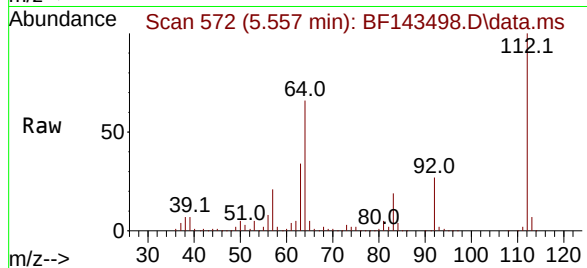
Tgt Ion:112 Resp: 637738

Ion Ratio Lower Upper

112 100

64 65.9 50.4 75.6

63 34.1 26.4 39.6



#6

Aniline

Concen: 39.899 ng

RT: 6.593 min Scan# 748

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

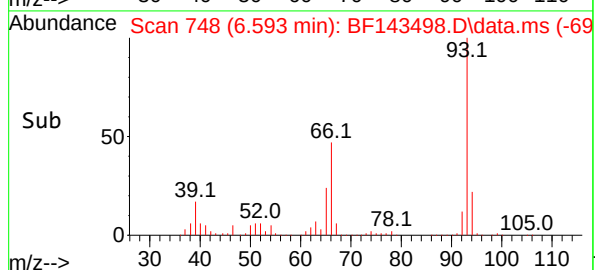
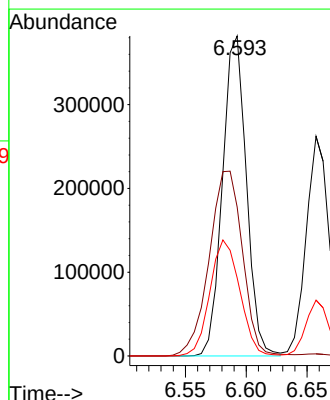
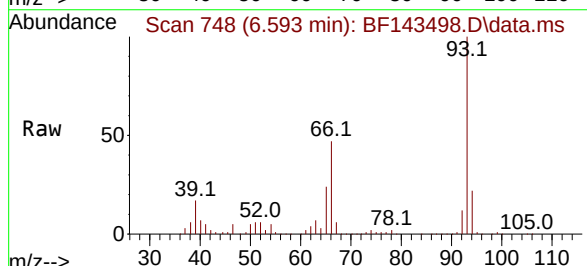
Tgt Ion: 93 Resp: 522533

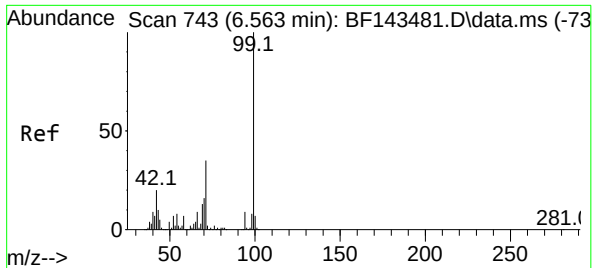
Ion Ratio Lower Upper

93 100

66 46.6 38.9 58.3

65 24.4 20.6 30.8





#7

Phenol-d6

Concen: 78.917 ng

RT: 6.563 min Scan# 743

Delta R.T. -0.012 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

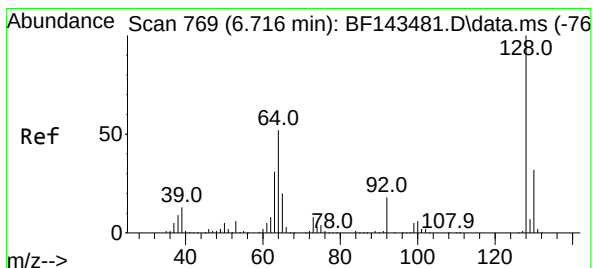
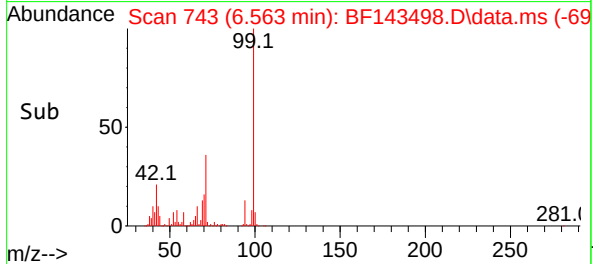
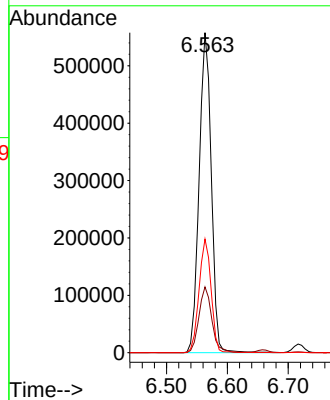
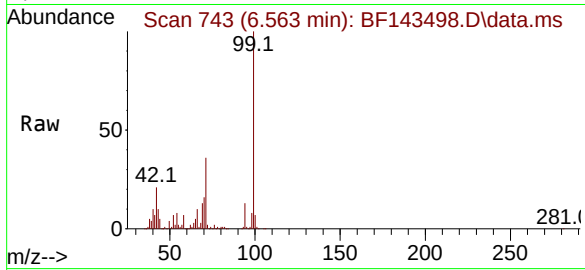
Tgt Ion: 99 Resp: 773234

Ion Ratio Lower Upper

99 100

42 20.5 16.3 24.5

71 35.5 28.2 42.2



#8

2-Chlorophenol

Concen: 40.164 ng

RT: 6.716 min Scan# 769

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

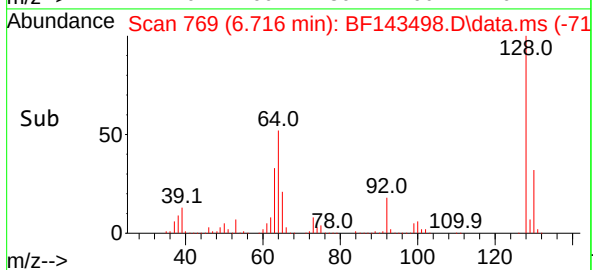
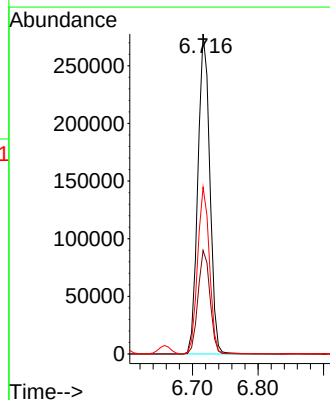
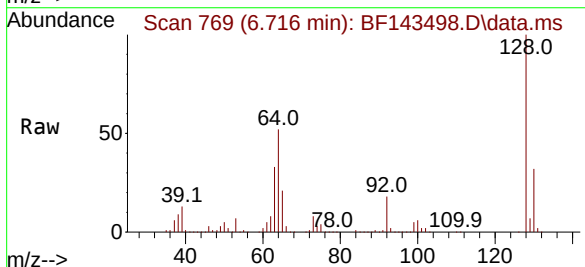
Tgt Ion: 128 Resp: 352106

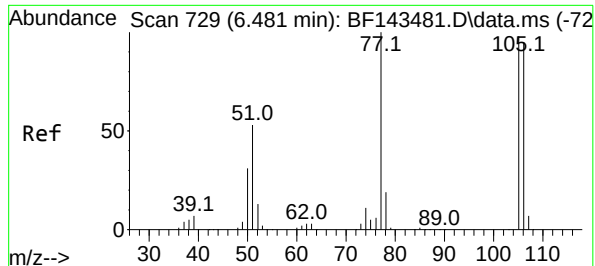
Ion Ratio Lower Upper

128 100

130 32.4 12.4 52.4

64 52.1 31.6 71.6





#9

Benzaldehyde

Concen: 37.769 ng

RT: 6.481 min Scan# 729

Delta R.T. -0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

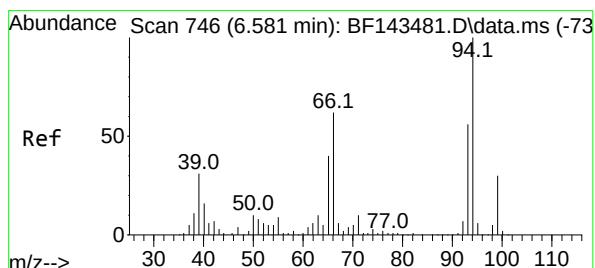
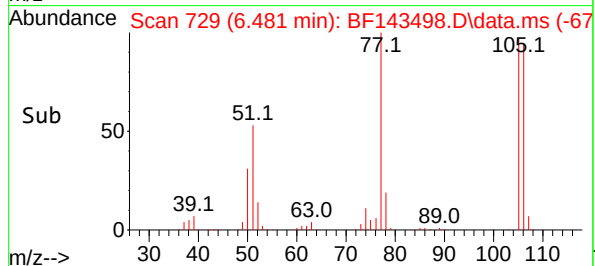
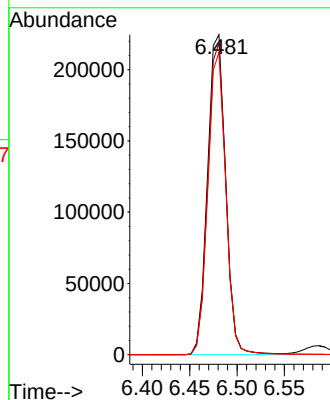
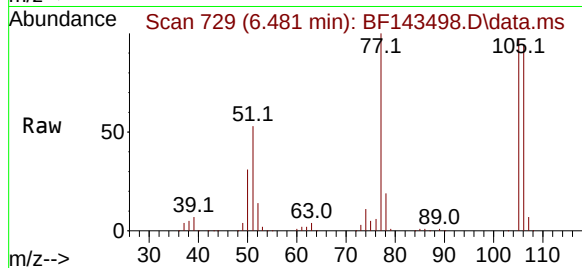
Tgt Ion: 77 Resp: 299609

Ion Ratio Lower Upper

77 100

105 97.4 78.1 118.1

106 94.5 74.9 114.9



#10

Phenol

Concen: 40.504 ng

RT: 6.581 min Scan# 746

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

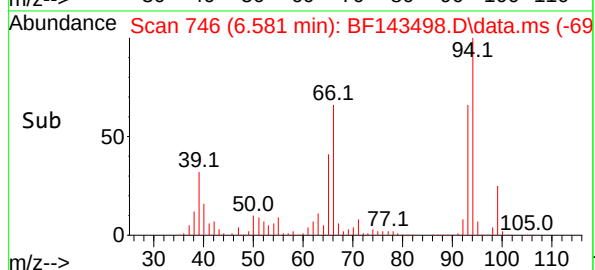
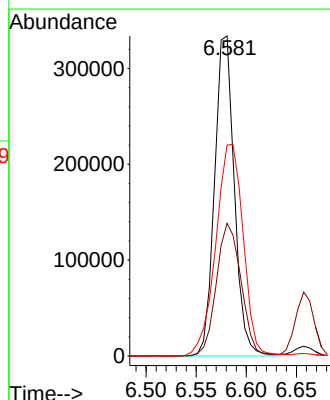
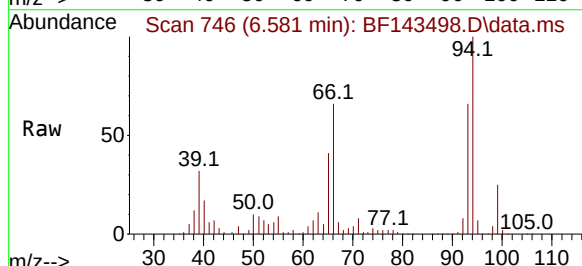
Tgt Ion: 94 Resp: 457188

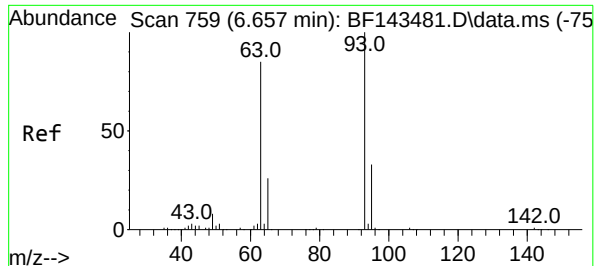
Ion Ratio Lower Upper

94 100

65 41.5 19.5 59.5

66 65.9 42.5 82.5





#11

bis(2-Chloroethyl)ether

Concen: 39.795 ng

RT: 6.657 min Scan# 759

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

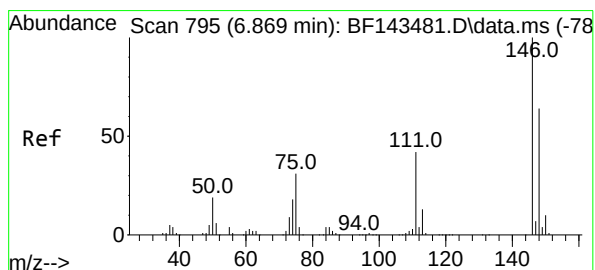
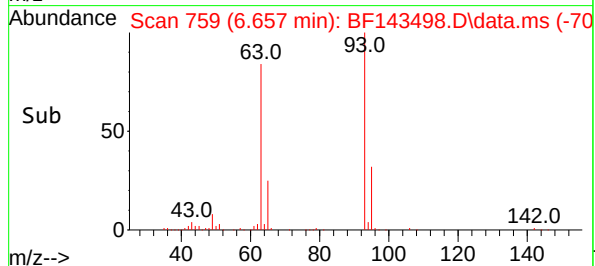
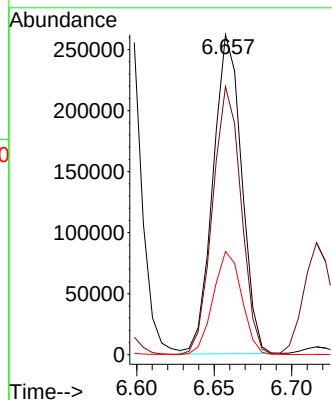
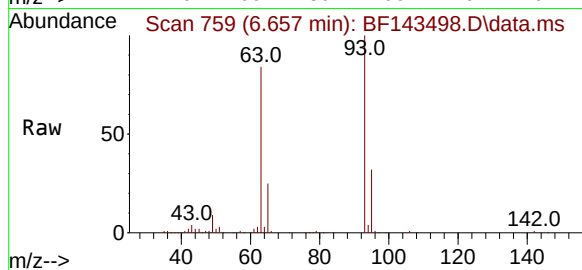
Tgt Ion: 93 Resp: 335666

Ion Ratio Lower Upper

93 100

63 83.8 63.6 103.6

95 32.2 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 39.304 ng

RT: 6.869 min Scan# 795

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

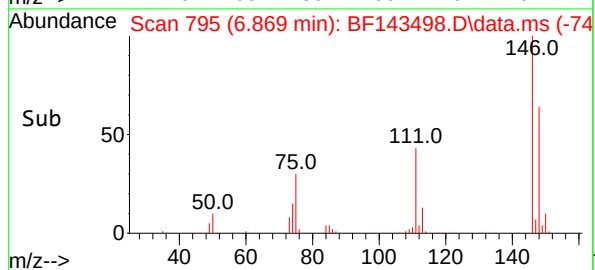
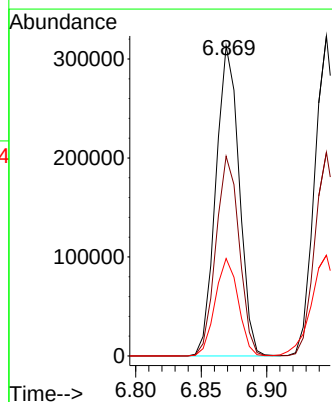
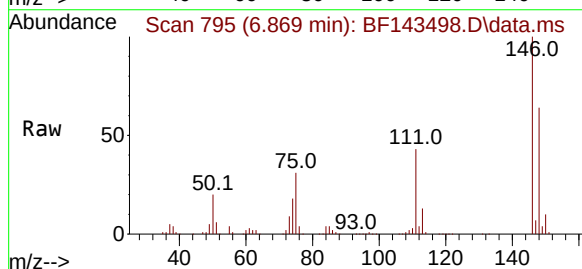
Tgt Ion: 146 Resp: 387151

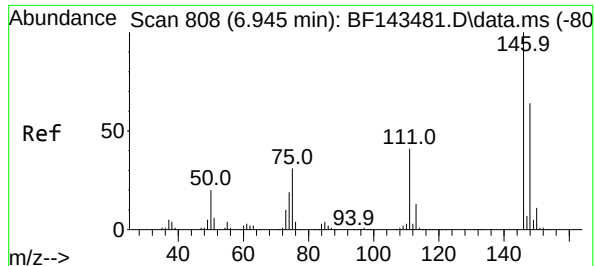
Ion Ratio Lower Upper

146 100

148 64.4 51.3 76.9

75 31.4 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 39.733 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

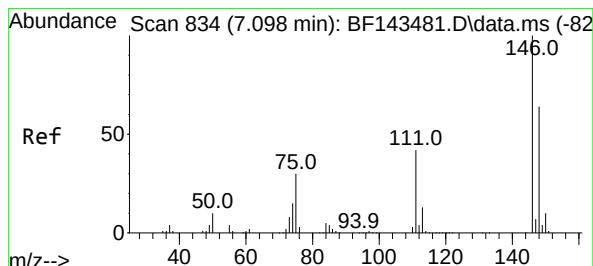
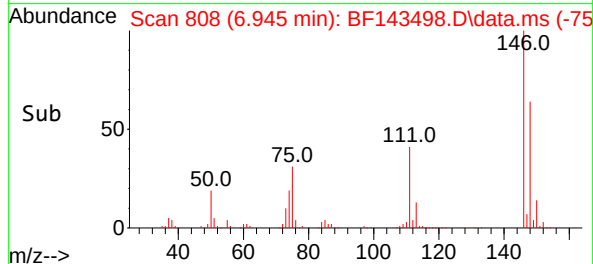
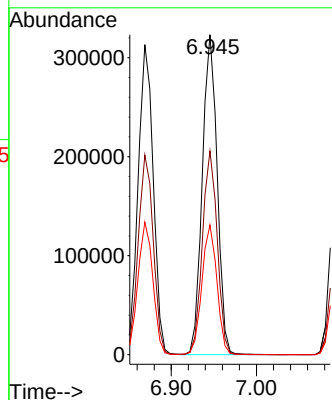
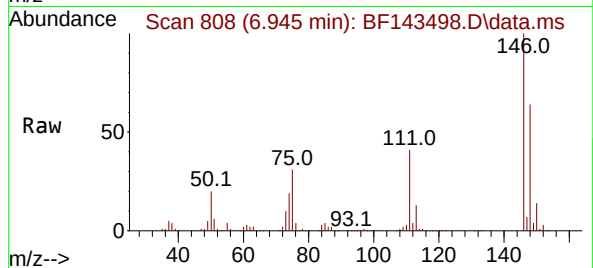
Tgt Ion:146 Resp: 392595

Ion Ratio Lower Upper

146 100

148 63.7 51.5 77.3

111 40.5 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 39.364 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

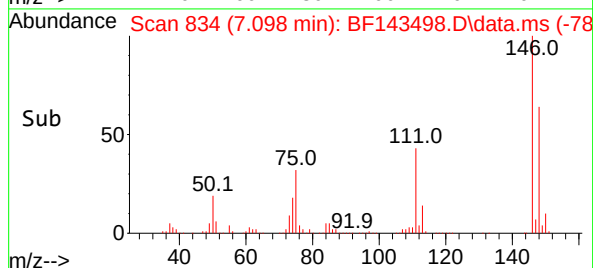
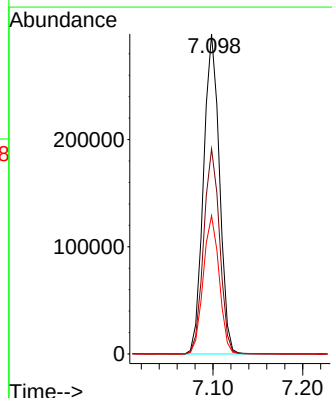
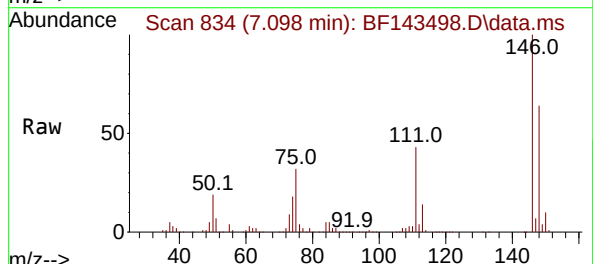
Tgt Ion:146 Resp: 368248

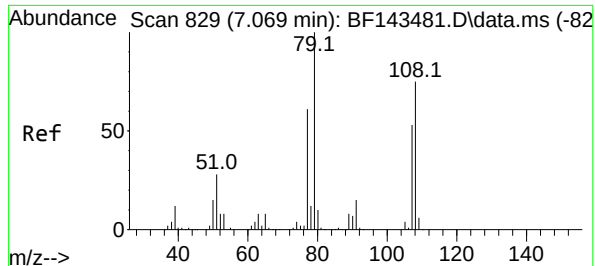
Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.6

111 43.2 34.0 51.0





#15

Benzyl Alcohol

Concen: 40.257 ng

RT: 7.069 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

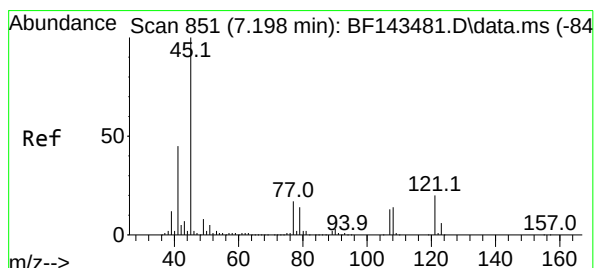
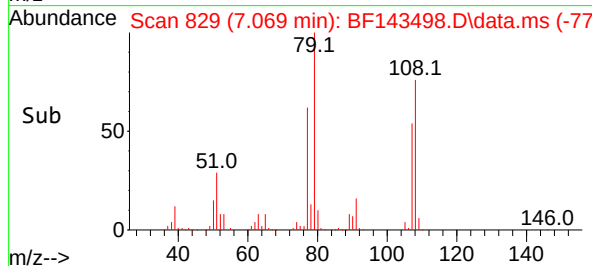
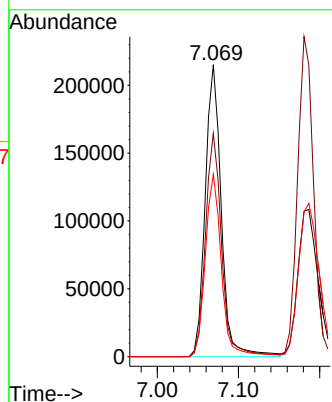
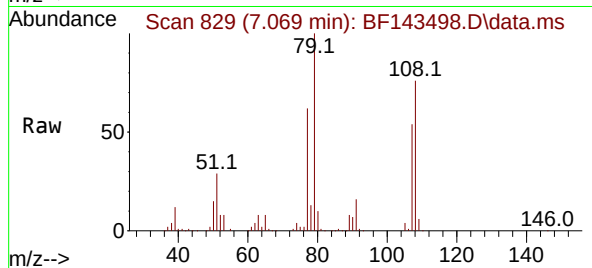
Tgt Ion: 79 Resp: 295313

Ion Ratio Lower Upper

79 100

108 76.5 59.8 89.6

77 62.4 49.0 73.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.025 ng

RT: 7.198 min Scan# 851

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

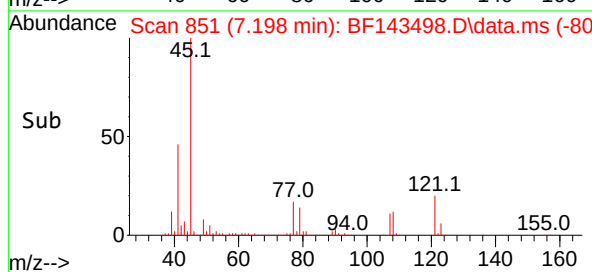
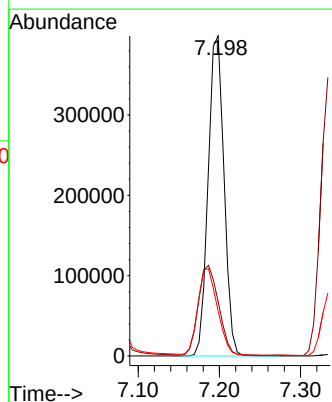
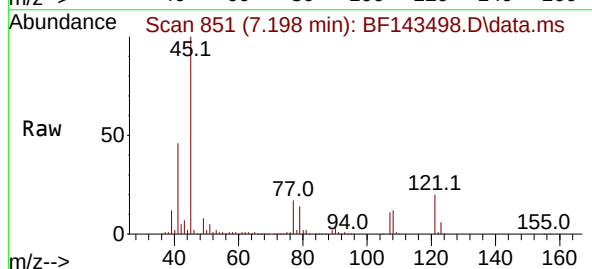
Tgt Ion: 45 Resp: 540115

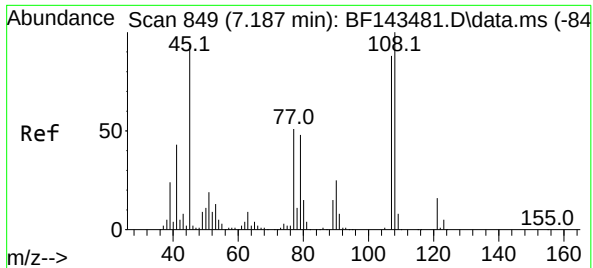
Ion Ratio Lower Upper

45 100

77 17.1 0.0 37.9

79 14.0 0.0 34.7

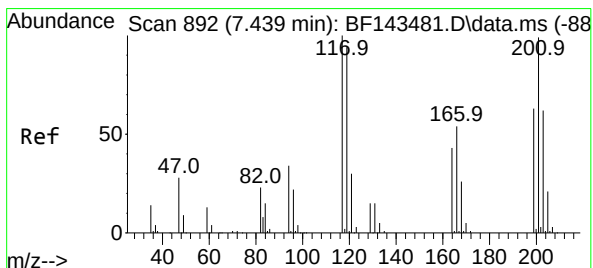
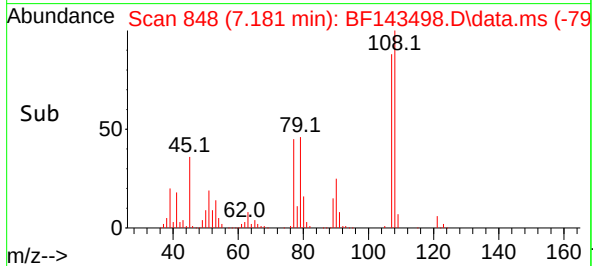
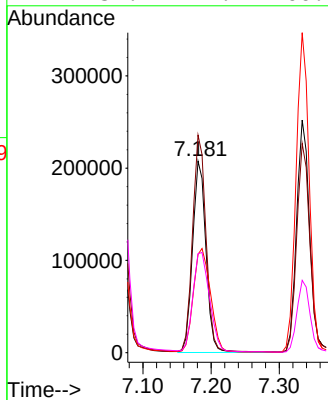
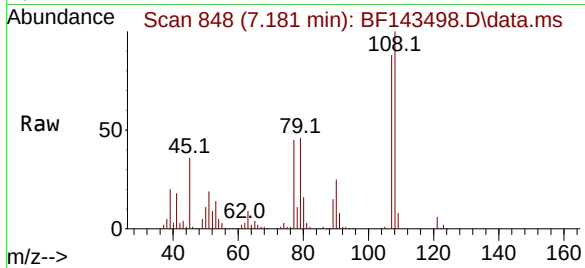




#17
2-Methylphenol
Concen: 40.241 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

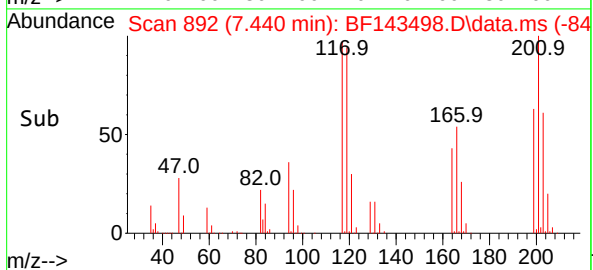
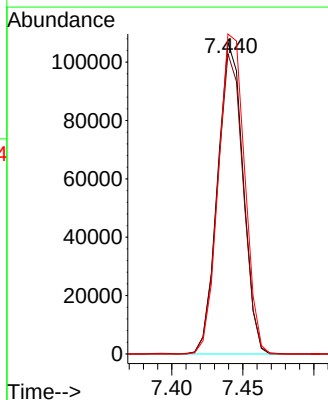
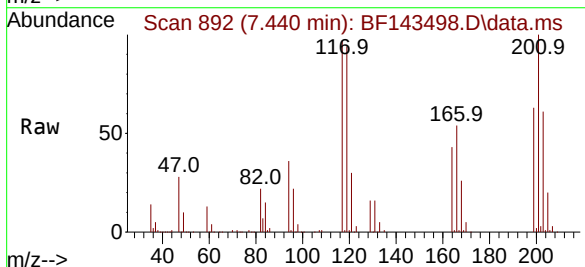
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

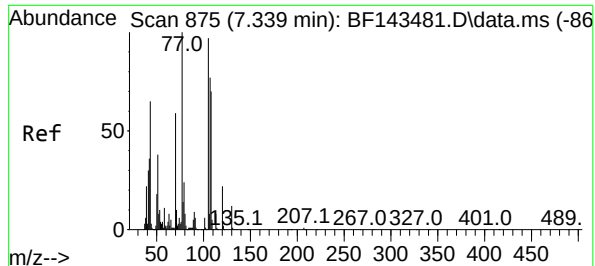
Tgt Ion:107 Resp: 283139
Ion Ratio Lower Upper
107 100
108 113.6 91.1 136.7
77 51.4 46.2 69.4
79 51.7 44.2 66.2



#18
Hexachloroethane
Concen: 39.700 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:117 Resp: 133370
Ion Ratio Lower Upper
117 100
119 96.4 75.4 113.0
201 102.7 79.0 118.4





#19

n-Nitroso-di-n-propylamine

Concen: 39.455 ng

RT: 7.340 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 236284

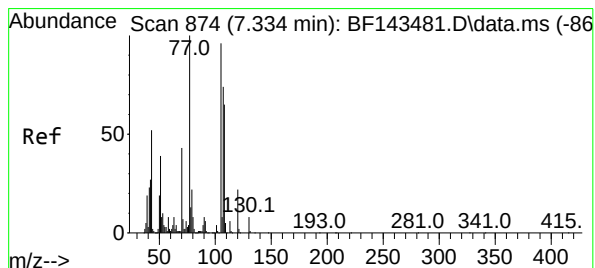
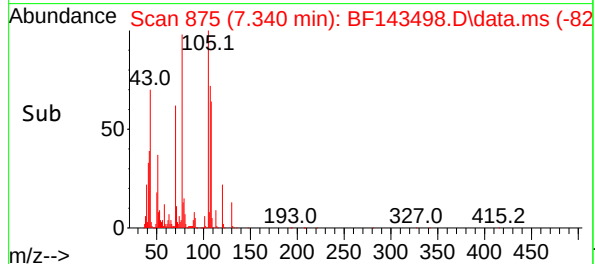
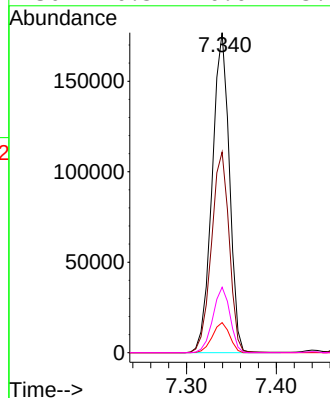
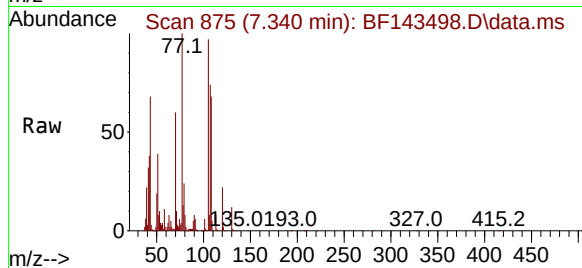
Ion Ratio Lower Upper

70 100

42 62.7 49.3 73.9

101 9.4 7.8 11.8

130 20.5 16.6 25.0



#20

3+4-Methylphenols

Concen: 40.322 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Tgt Ion: 107 Resp: 338683

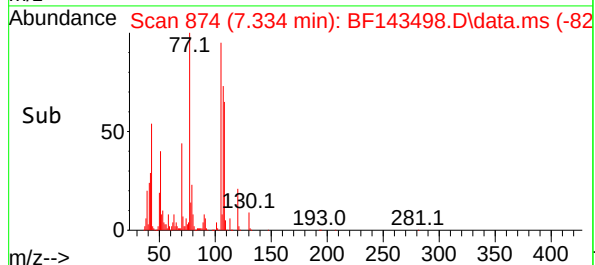
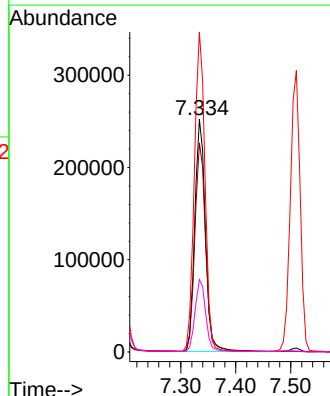
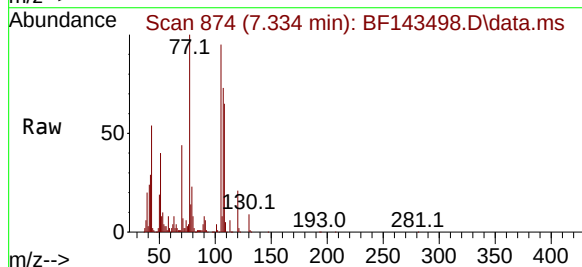
Ion Ratio Lower Upper

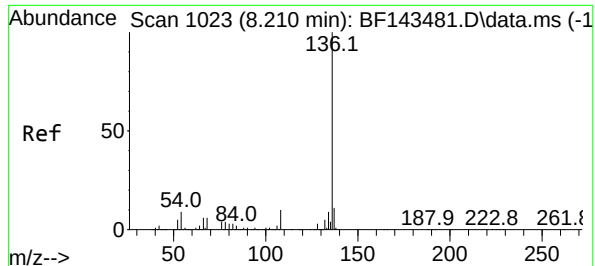
107 100

108 89.9 68.4 108.4

77 137.6 116.1 156.1

79 31.1 9.8 49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 522619

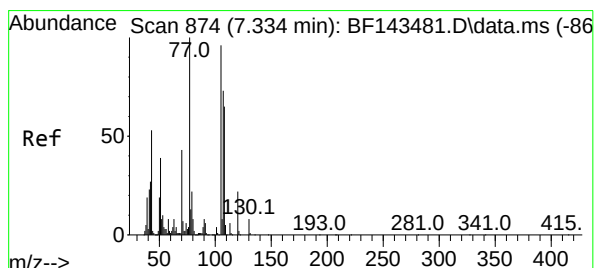
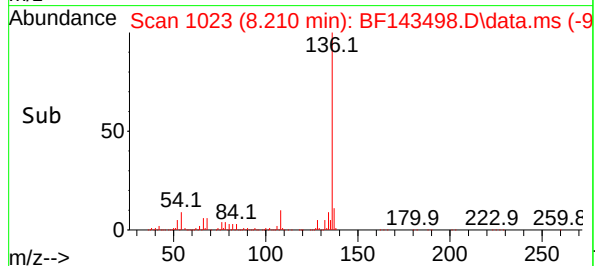
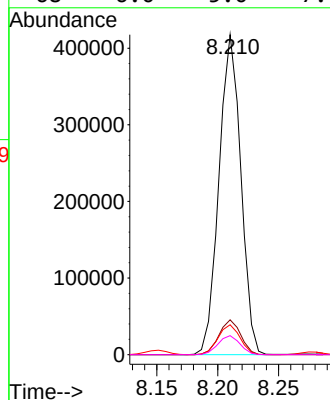
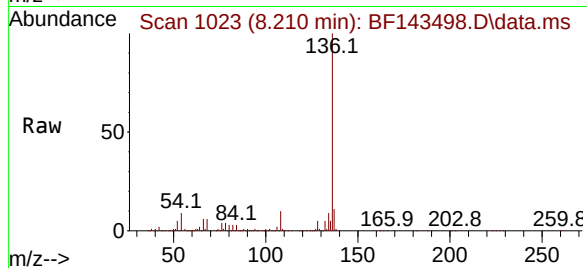
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 9.4 7.4 11.2

68 6.0 5.0 7.4



#22

Acetophenone

Concen: 39.285 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Tgt Ion:105 Resp: 443559

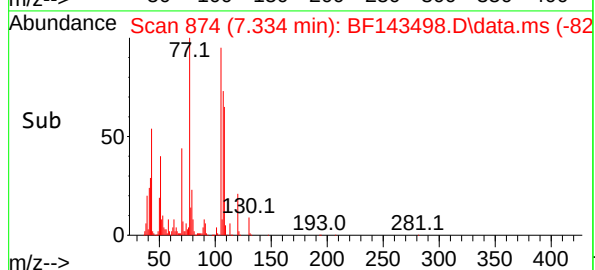
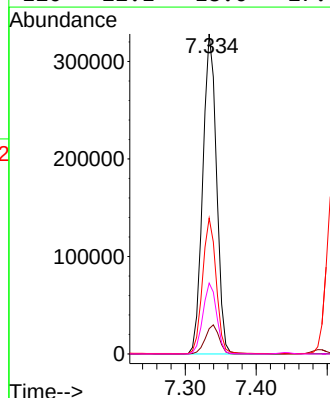
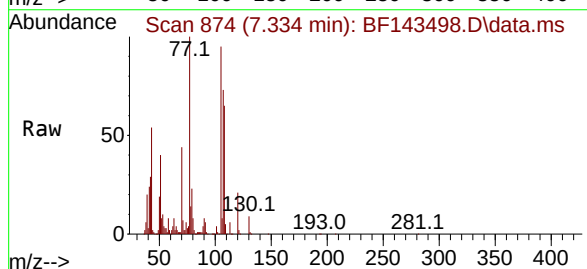
Ion Ratio Lower Upper

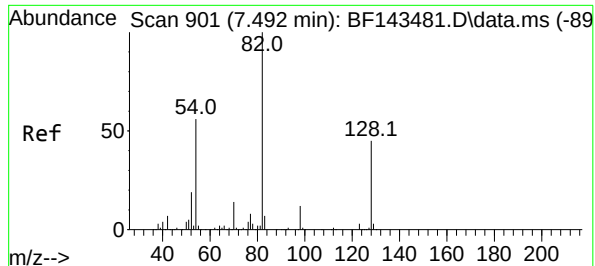
105 100

71 7.9 5.9 8.9

51 42.4 32.5 48.7

120 22.1 18.0 27.0





#23

Nitrobenzene-d5

Concen: 81.469 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

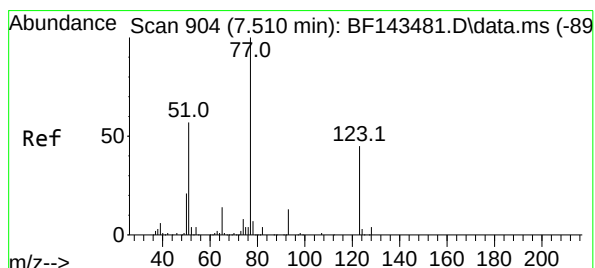
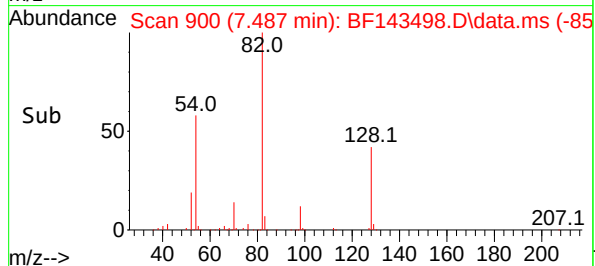
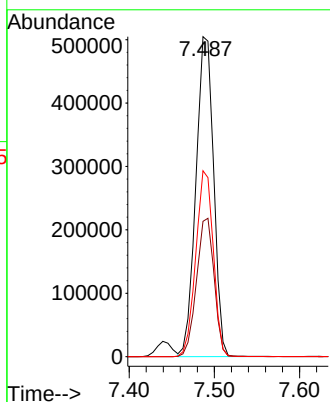
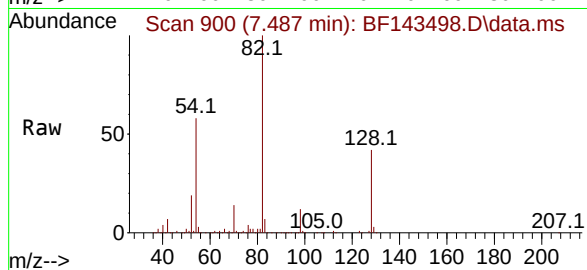
Tgt Ion: 82 Resp: 729626

Ion Ratio Lower Upper

82 100

128 42.3 35.5 53.3

54 58.1 44.3 66.5



#24

Nitrobenzene

Concen: 40.995 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

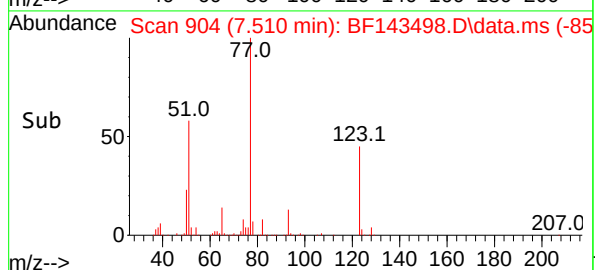
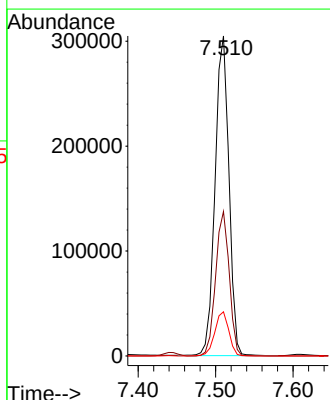
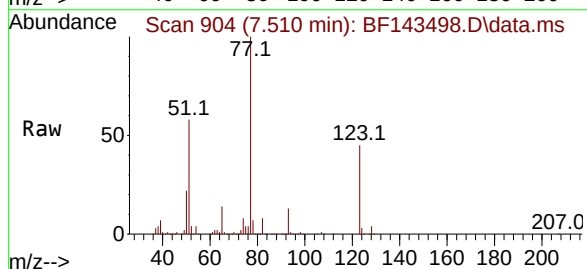
Tgt Ion: 77 Resp: 377880

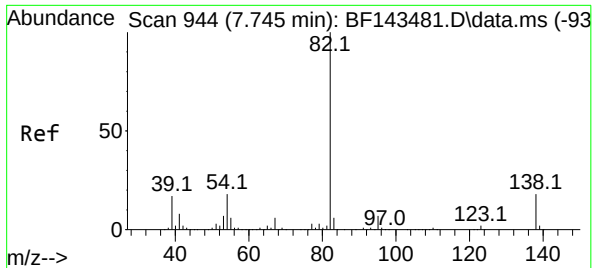
Ion Ratio Lower Upper

77 100

123 45.2 36.1 54.1

65 13.8 11.0 16.6

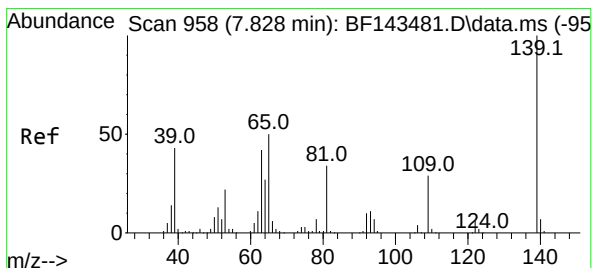
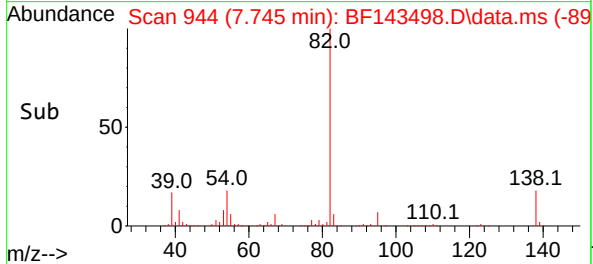
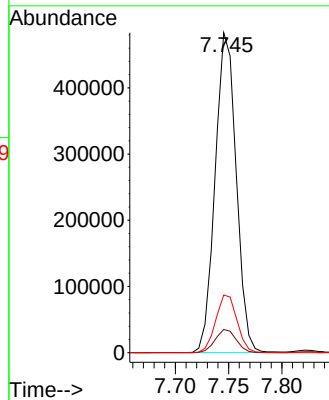
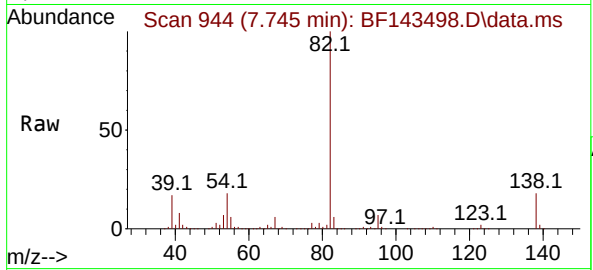




#25
Isophorone
Concen: 40.435 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

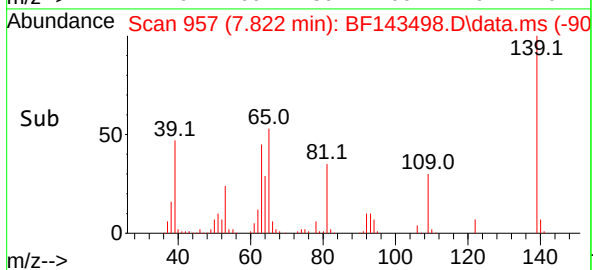
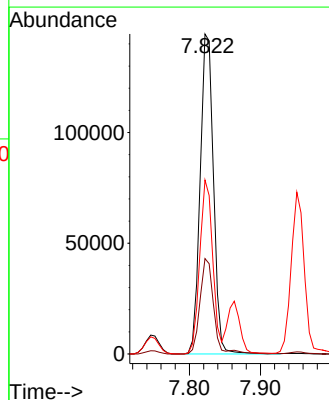
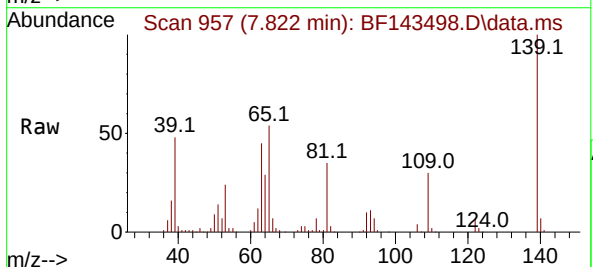
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

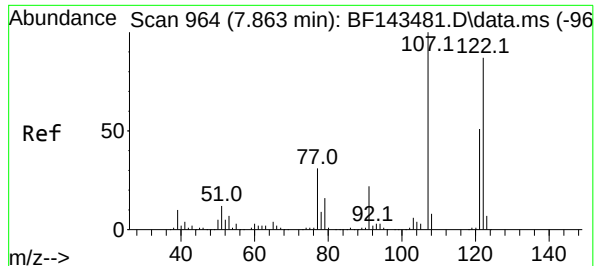
Tgt Ion: 82 Resp: 663816
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 18.0 14.2 21.4



#26
2-Nitrophenol
Concen: 41.873 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion: 139 Resp: 189065
Ion Ratio Lower Upper
139 100
109 29.8 23.0 34.6
65 54.4 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 40.152 ng

RT: 7.863 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

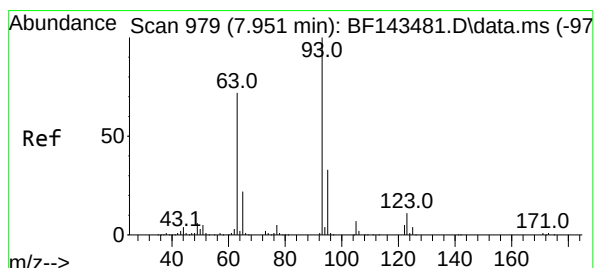
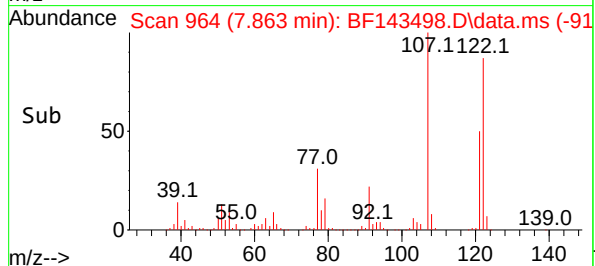
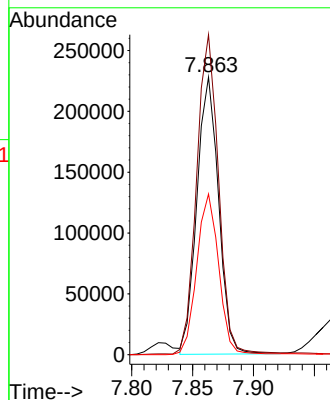
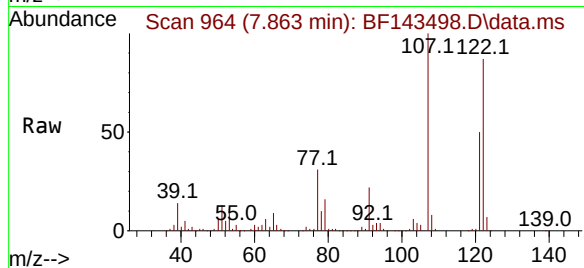
Tgt Ion:122 Resp: 282610

Ion Ratio Lower Upper

122 100

107 115.3 91.5 137.3

121 57.9 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.898 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

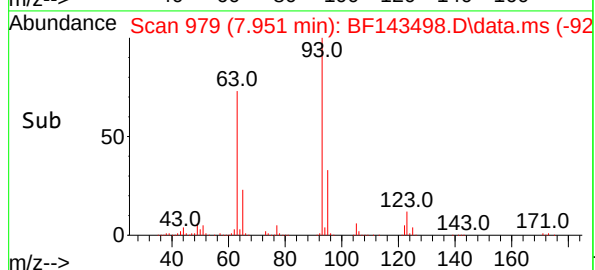
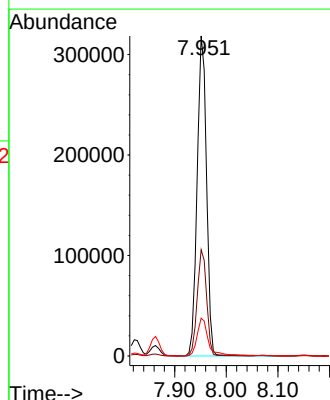
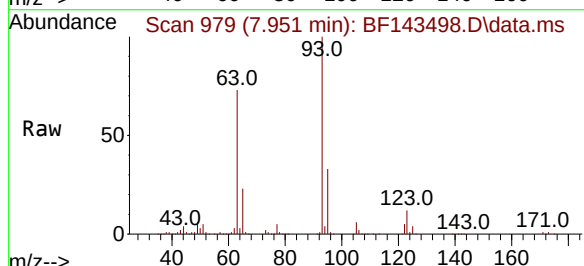
Tgt Ion: 93 Resp: 402537

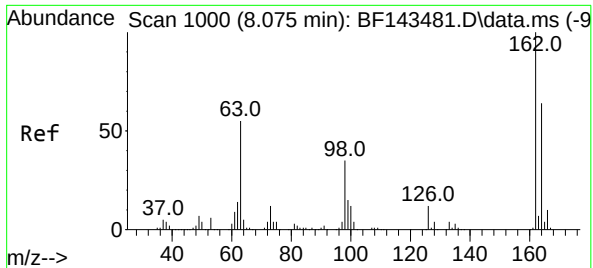
Ion Ratio Lower Upper

93 100

95 33.2 26.0 39.0

123 11.8 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 40.336 ng

RT: 8.069 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

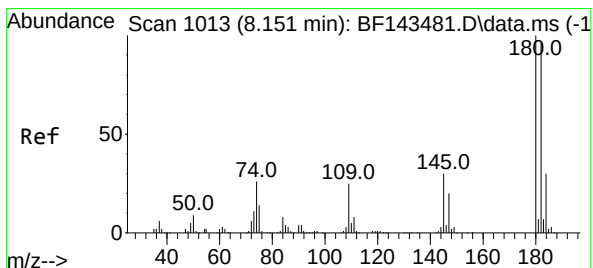
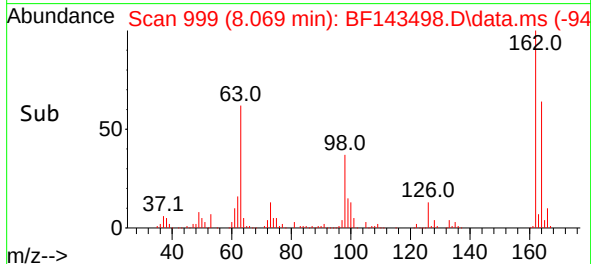
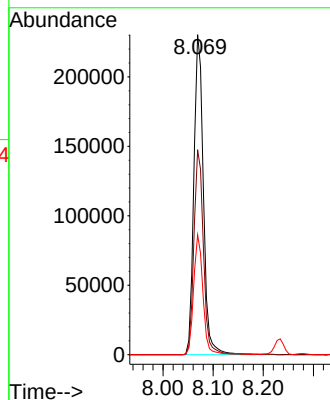
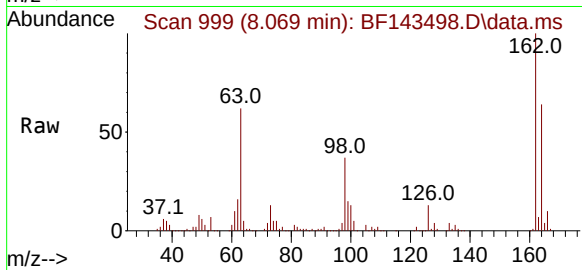
Tgt Ion:162 Resp: 303216

Ion Ratio Lower Upper

162 100

164 64.1 43.5 83.5

98 37.4 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 38.930 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

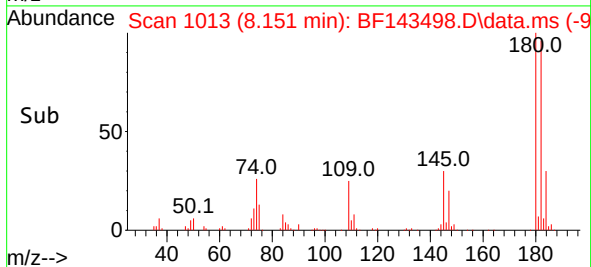
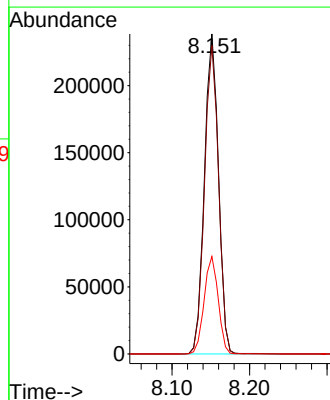
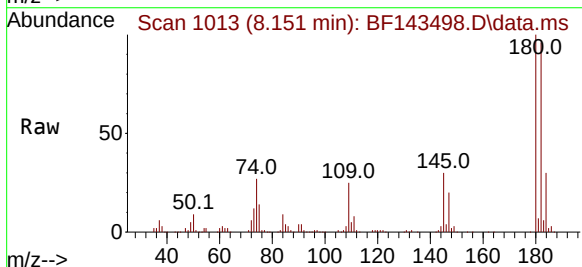
Tgt Ion:180 Resp: 300881

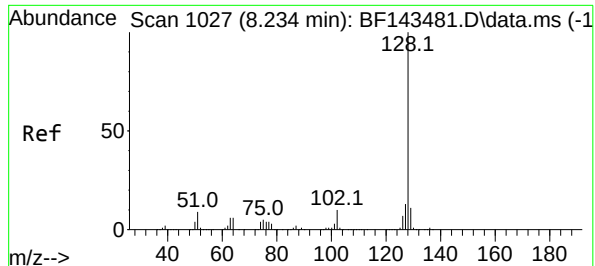
Ion Ratio Lower Upper

180 100

182 96.4 76.6 114.8

145 30.4 24.3 36.5





#31

Naphthalene

Concen: 38.863 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

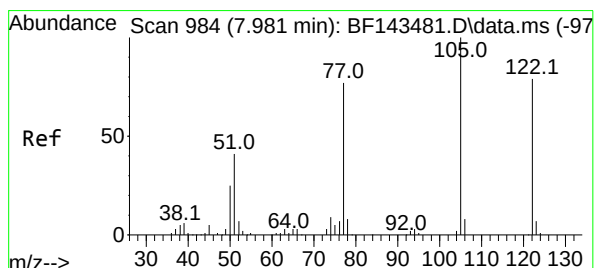
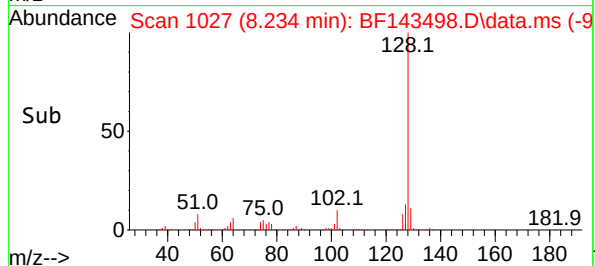
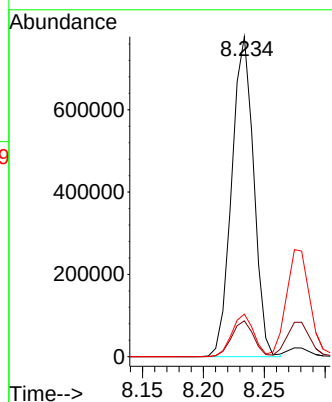
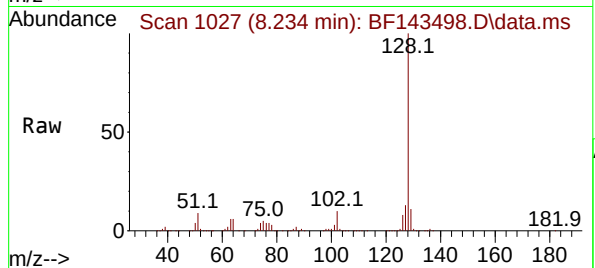
Tgt Ion:128 Resp: 975102

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 37.123 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.029 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

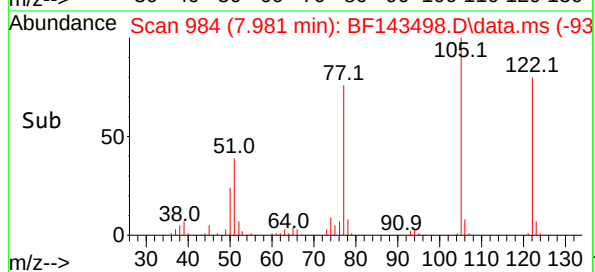
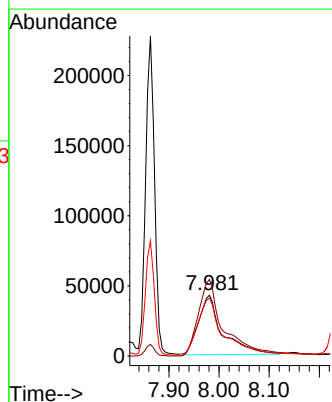
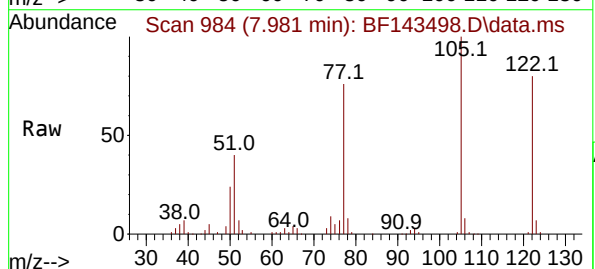
Tgt Ion:122 Resp: 142723

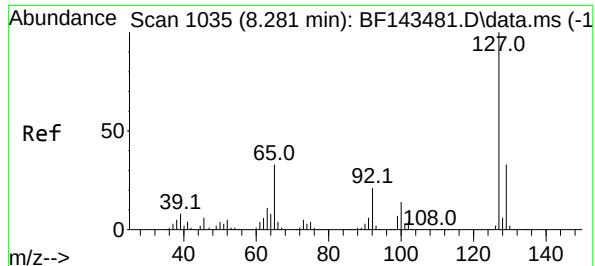
Ion Ratio Lower Upper

122 100

105 125.7 104.7 144.7

77 95.2 77.3 117.3





#33

4-Chloroaniline

Concen: 40.252 ng

RT: 8.275 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 358457

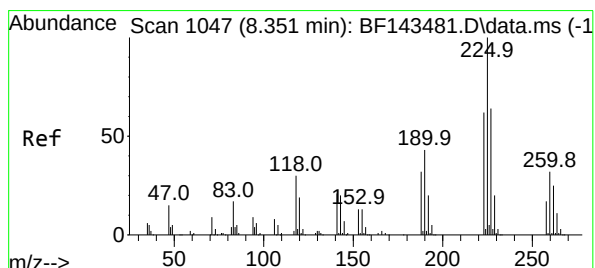
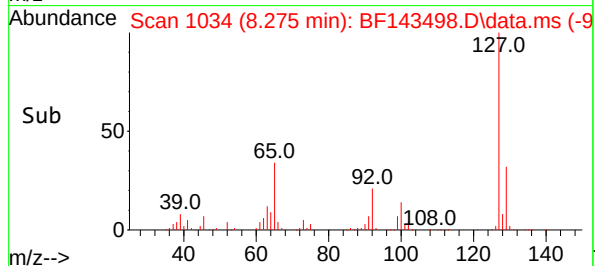
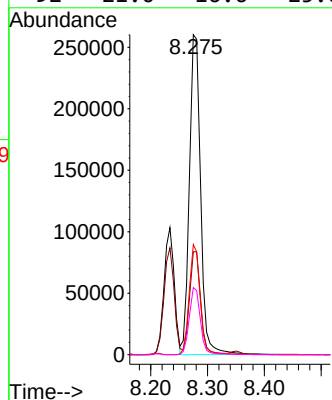
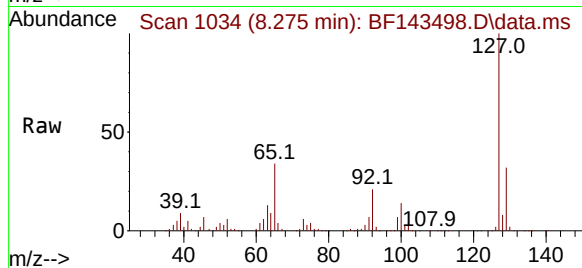
Ion Ratio Lower Upper

127 100

129 32.2 26.1 39.1

65 34.4 26.2 39.2

92 21.0 16.6 25.0



#34

Hexachlorobutadiene

Concen: 39.776 ng

RT: 8.351 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

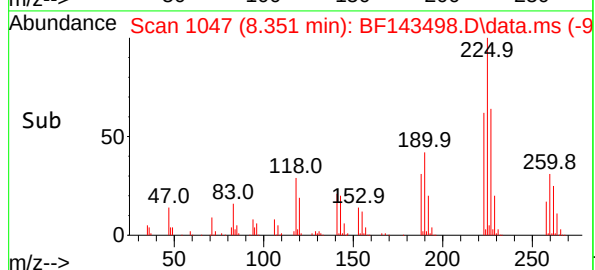
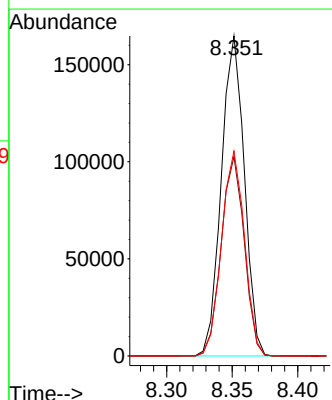
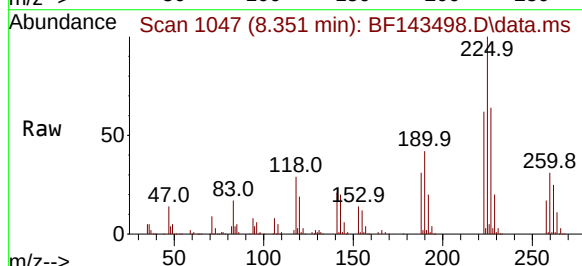
Tgt Ion:225 Resp: 200566

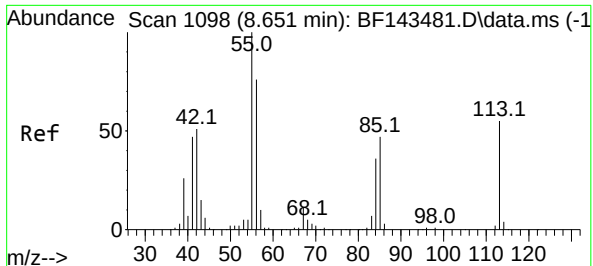
Ion Ratio Lower Upper

225 100

223 62.2 49.9 74.9

227 64.0 50.9 76.3





#35

Caprolactam

Concen: 44.931 ng

RT: 8.651 min Scan# 1109

Delta R.T. -0.024 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

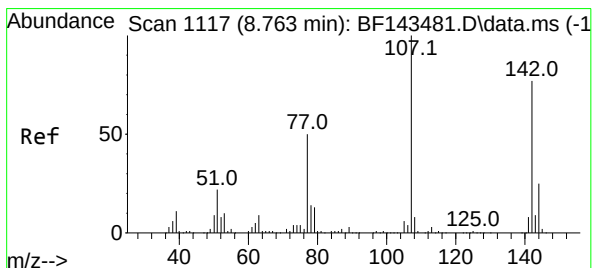
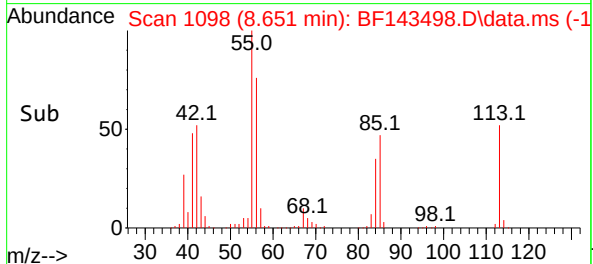
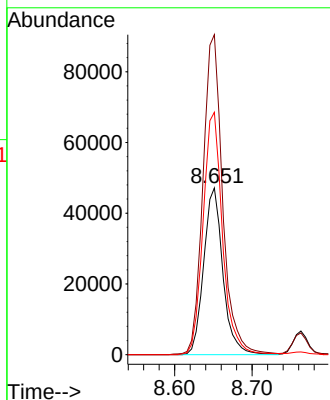
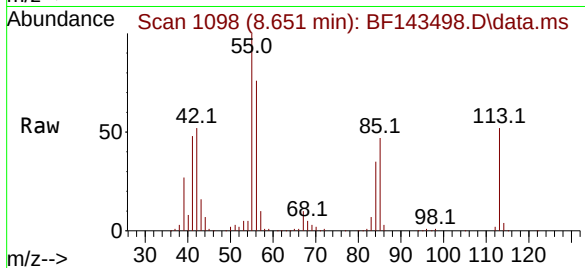
Tgt Ion:113 Resp: 81048

Ion Ratio Lower Upper

113 100

55 192.0 162.8 202.8

56 145.4 118.1 158.1



#36

4-Chloro-3-methylphenol

Concen: 40.718 ng

RT: 8.763 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

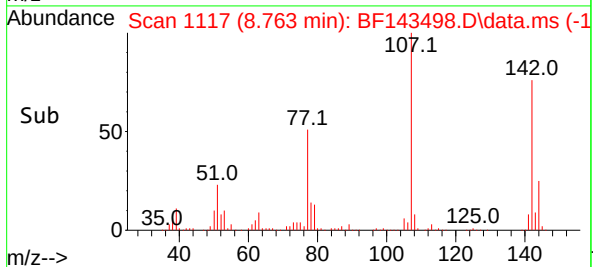
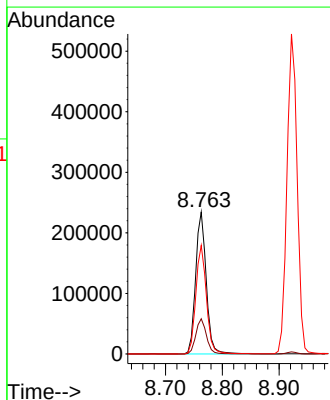
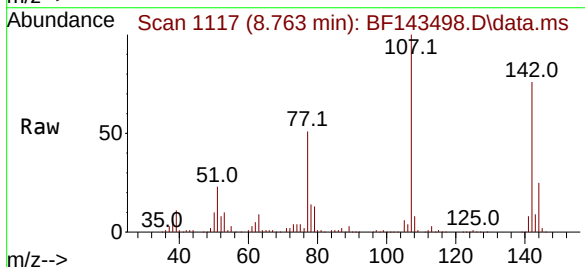
Tgt Ion:107 Resp: 306743

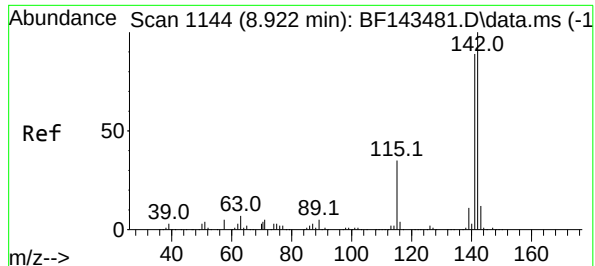
Ion Ratio Lower Upper

107 100

144 24.9 19.9 29.9

142 76.4 61.8 92.8





#37

2-Methylnaphthalene

Concen: 39.283 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

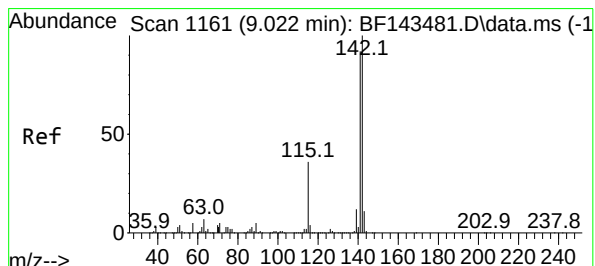
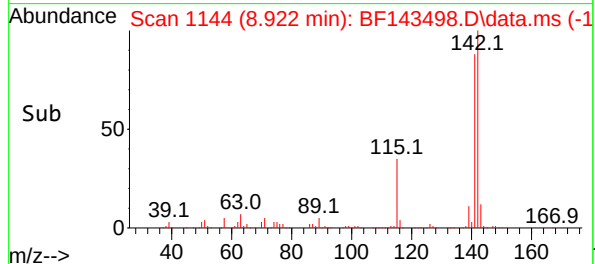
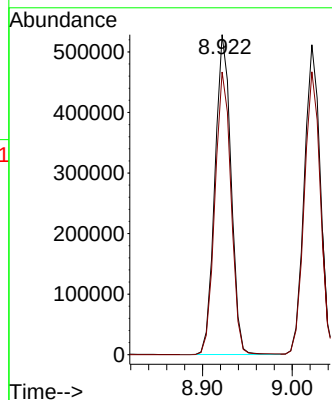
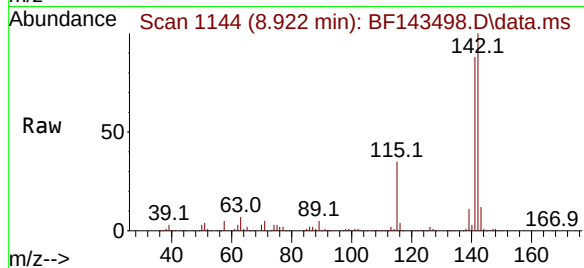
SSTDCCC040

Tgt Ion:142 Resp: 658303

Ion Ratio Lower Upper

142 100

141 88.4 71.0 106.4



#38

1-Methylnaphthalene

Concen: 39.442 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF143498.D

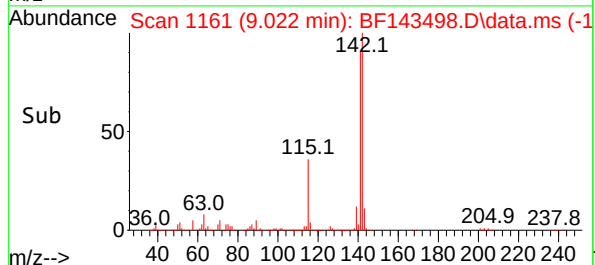
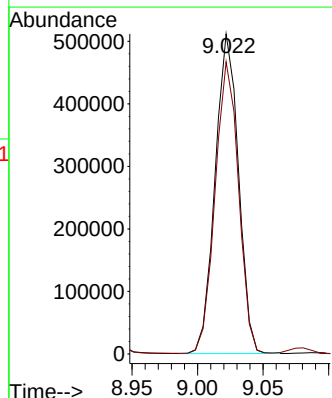
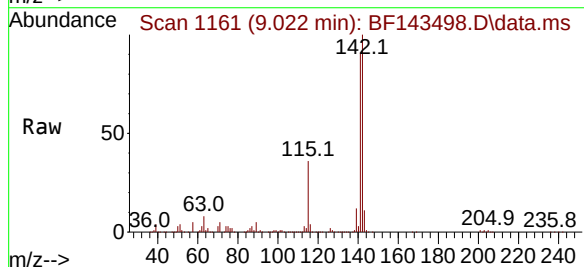
Acq: 20 Aug 2025 22:05

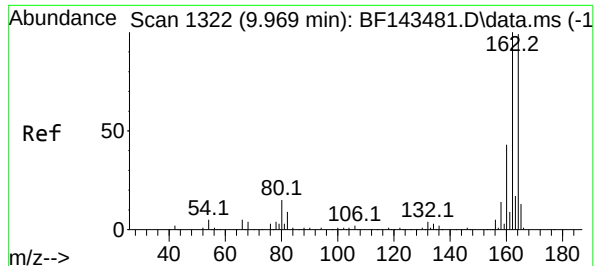
Tgt Ion:142 Resp: 632252

Ion Ratio Lower Upper

142 100

141 91.3 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

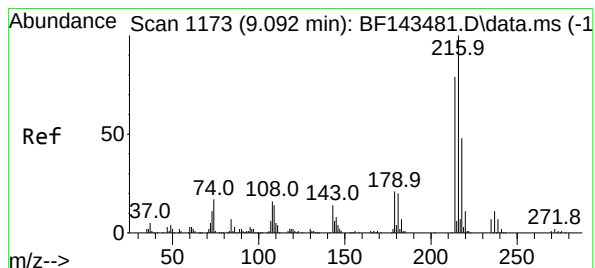
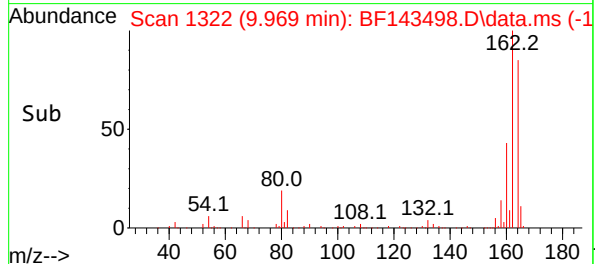
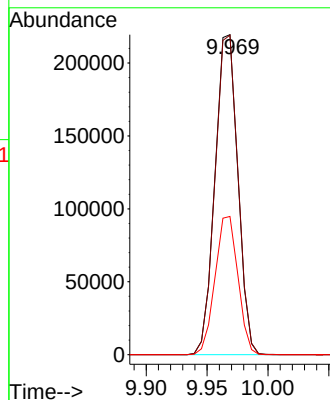
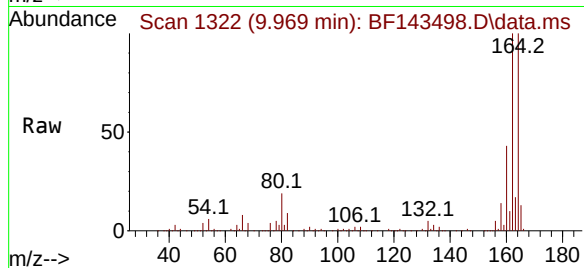
Tgt Ion:164 Resp: 286971

Ion Ratio Lower Upper

164 100

162 99.9 80.5 120.7

160 43.2 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.686 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Tgt Ion:216 Resp: 317550

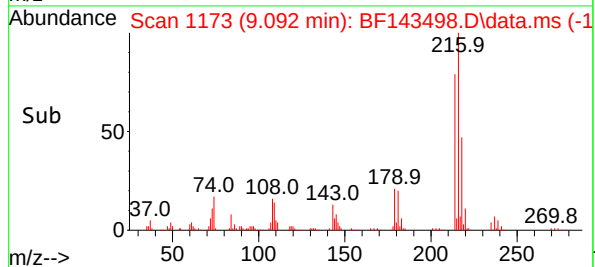
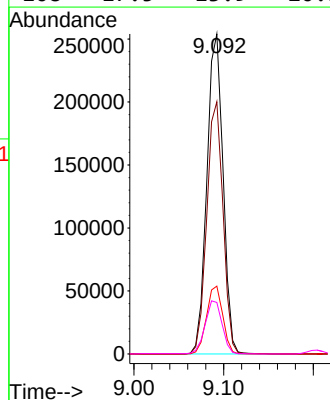
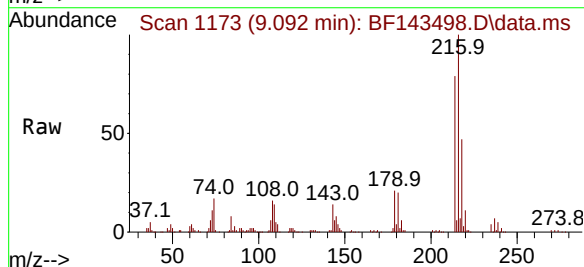
Ion Ratio Lower Upper

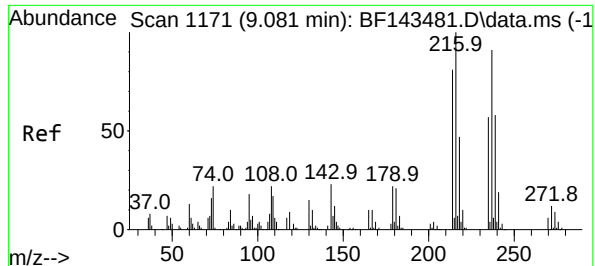
216 100

214 79.1 63.4 95.0

179 21.3 16.5 24.7

108 17.5 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 33.457 ng

RT: 9.081 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

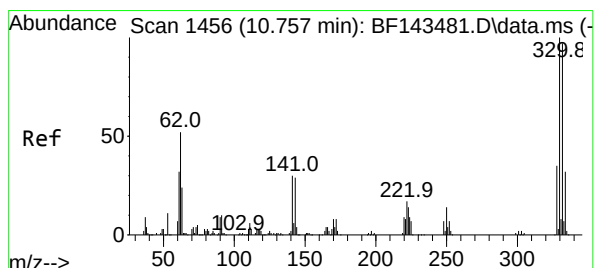
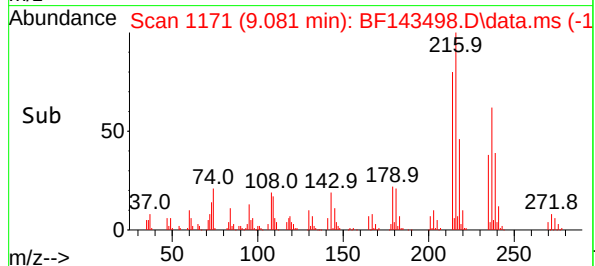
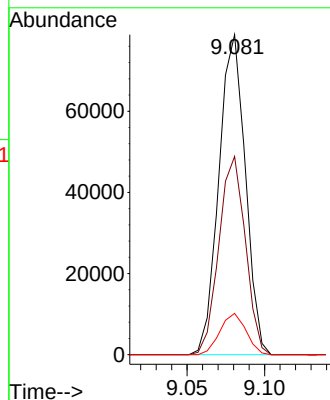
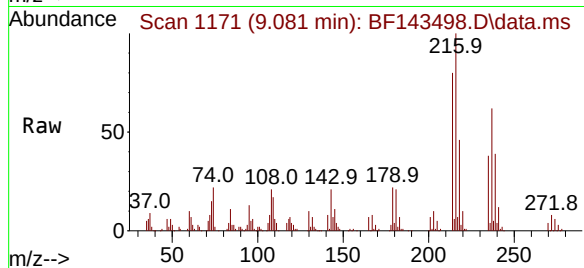
Tgt Ion:237 Resp: 93698

Ion Ratio Lower Upper

237 100

235 61.9 42.6 82.6

272 12.9 0.0 33.4



#42

2,4,6-Tribromophenol

Concen: 79.261 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

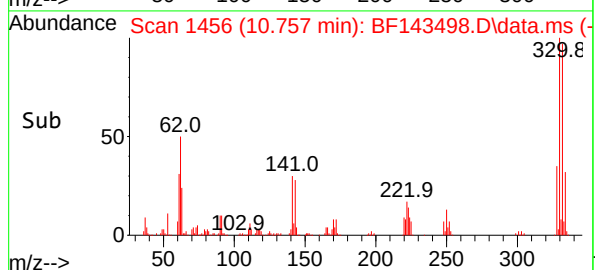
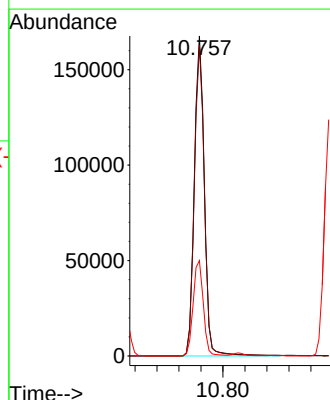
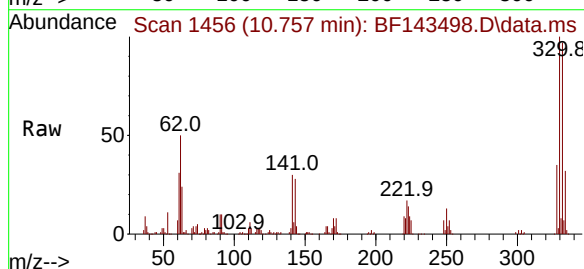
Tgt Ion:330 Resp: 211727

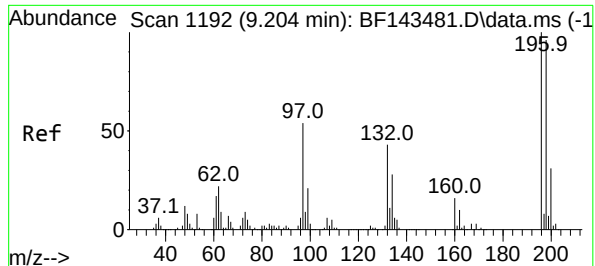
Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

141 30.3 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 40.426 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

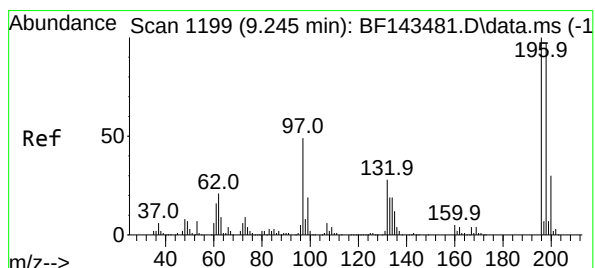
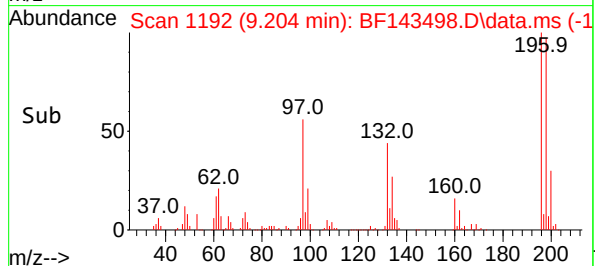
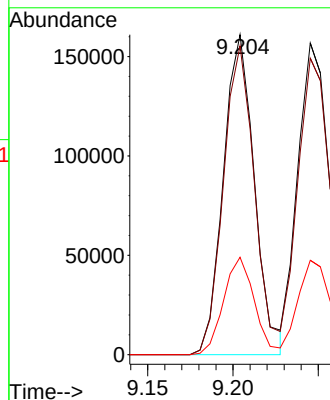
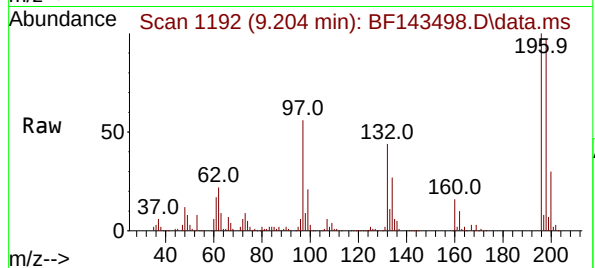
Tgt Ion:196 Resp: 204187

Ion Ratio Lower Upper

196 100

198 96.5 77.0 115.4

200 30.4 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 39.194 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Tgt Ion:196 Resp: 216241

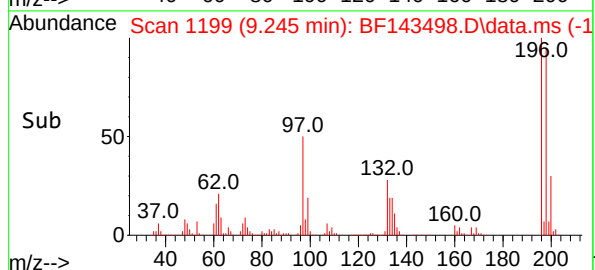
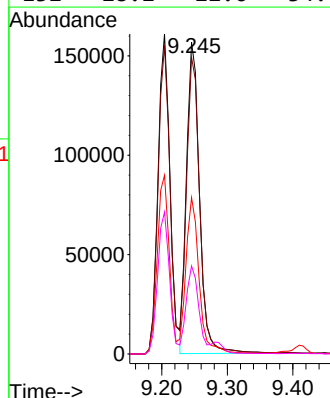
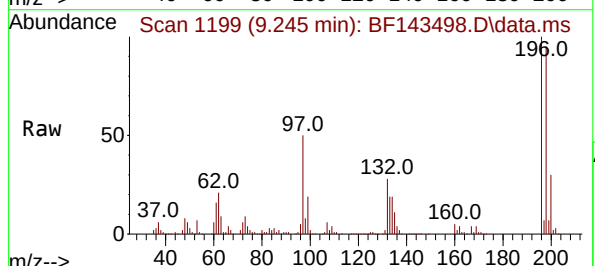
Ion Ratio Lower Upper

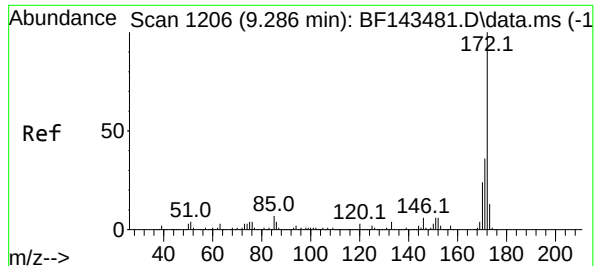
196 100

198 95.1 77.3 115.9

97 50.2 40.0 60.0

132 28.2 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 75.061 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

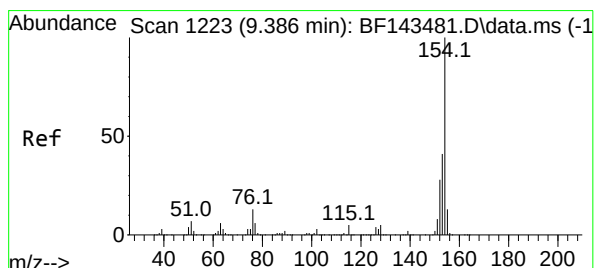
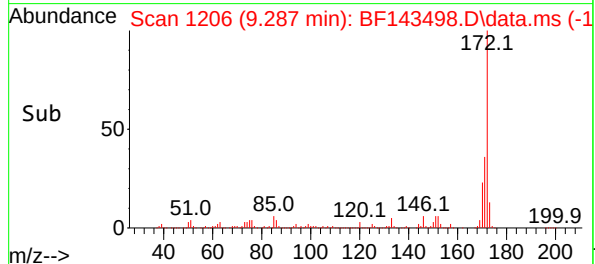
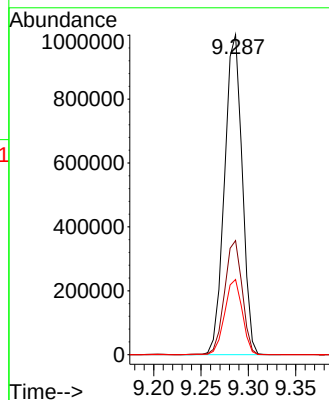
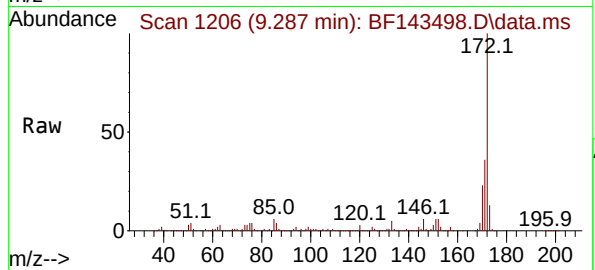
Tgt Ion:172 Resp: 1303360

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 38.693 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

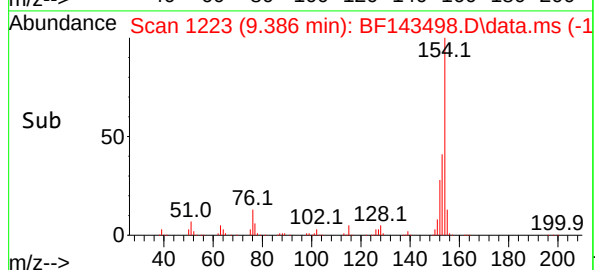
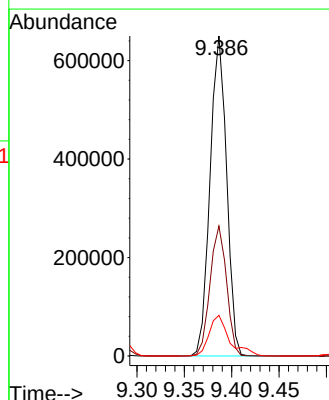
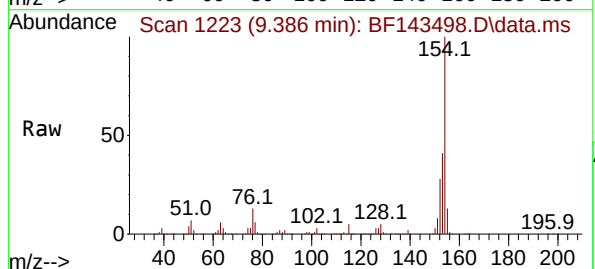
Tgt Ion:154 Resp: 788125

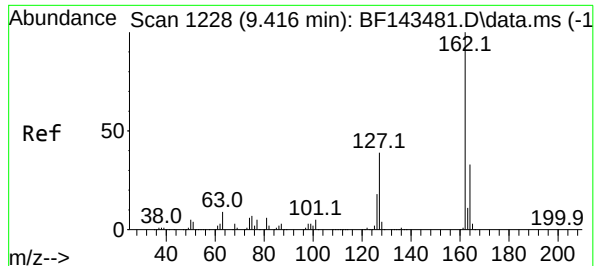
Ion Ratio Lower Upper

154 100

153 40.6 20.6 60.6

76 12.7 0.0 33.0





#47

2-Chloronaphthalene

Concen: 39.533 ng

RT: 9.410 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

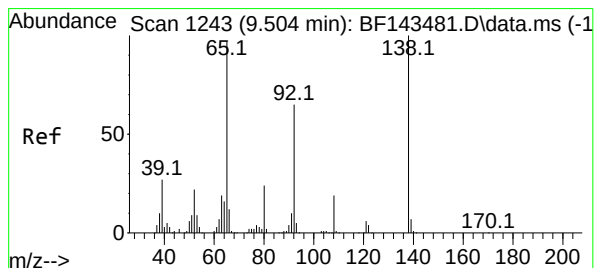
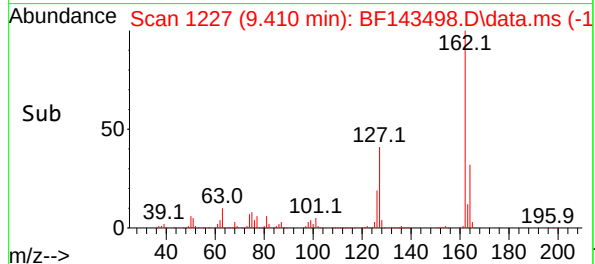
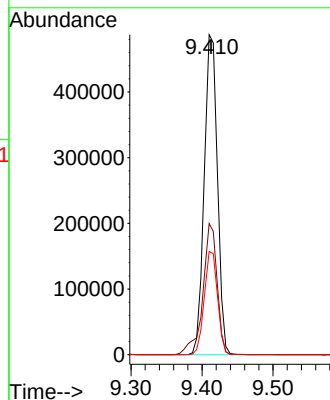
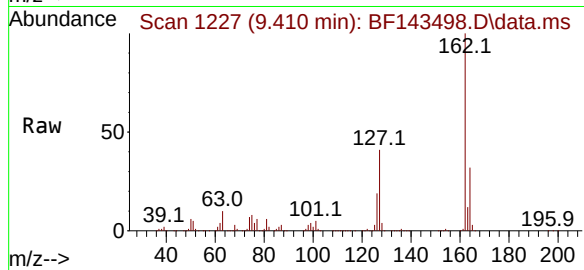
Tgt Ion:162 Resp: 631796

Ion Ratio Lower Upper

162 100

127 41.0 31.8 47.6

164 32.2 26.4 39.6



#48

2-Nitroaniline

Concen: 41.804 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

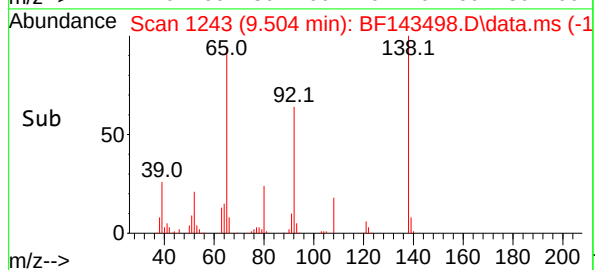
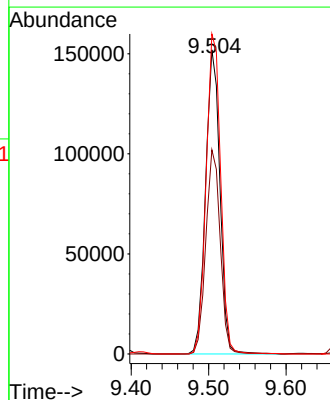
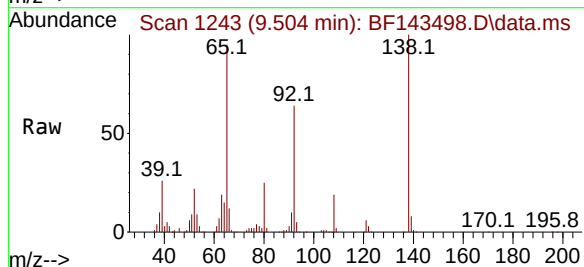
Tgt Ion: 65 Resp: 195526

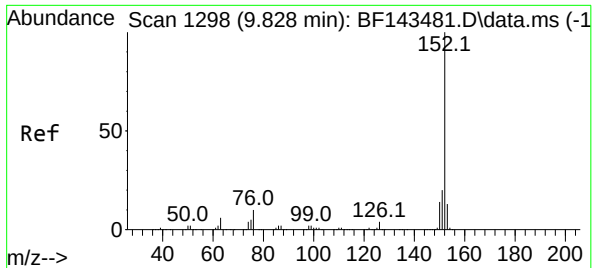
Ion Ratio Lower Upper

65 100

92 67.1 53.8 80.6

138 105.2 82.4 123.6





#49

Acenaphthylene

Concen: 39.486 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

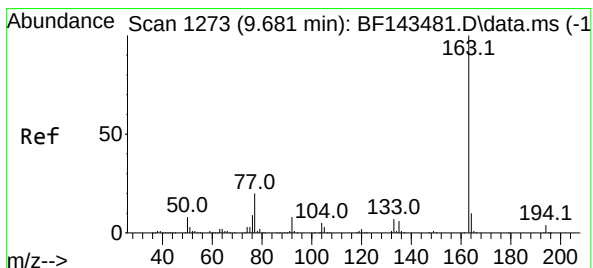
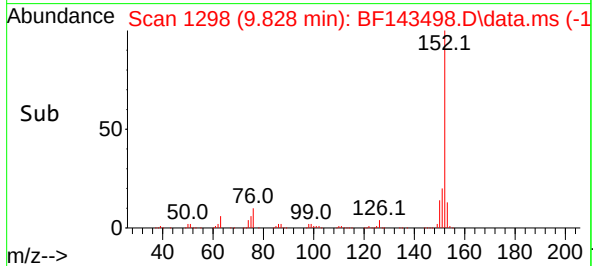
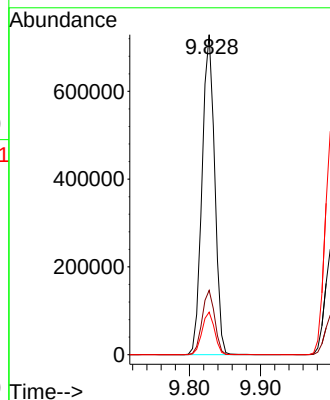
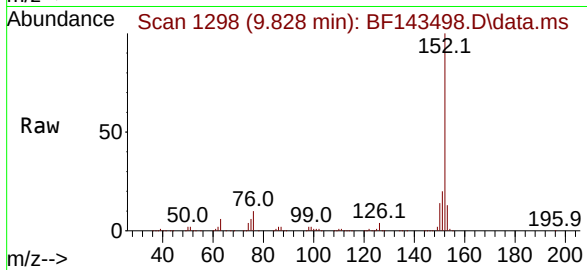
Tgt Ion:152 Resp: 903587

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

153 13.3 10.6 15.8



#50

Dimethylphthalate

Concen: 40.765 ng

RT: 9.681 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

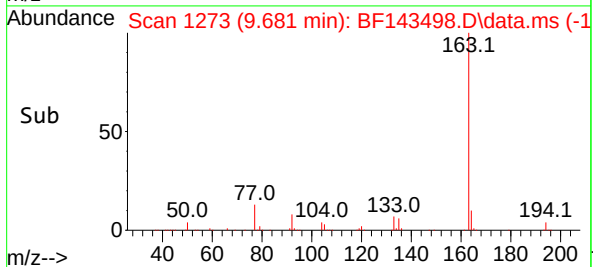
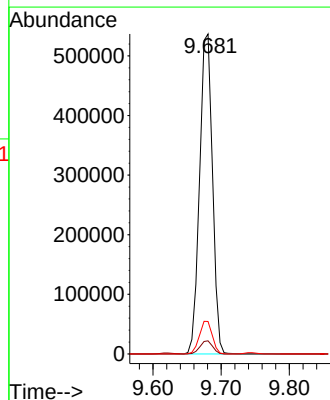
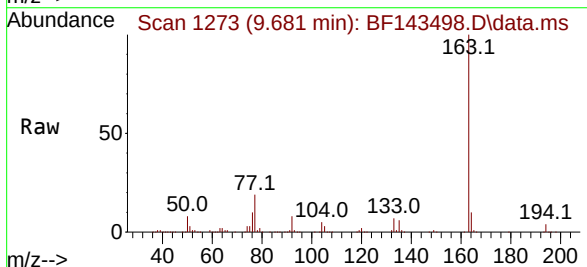
Tgt Ion:163 Resp: 704558

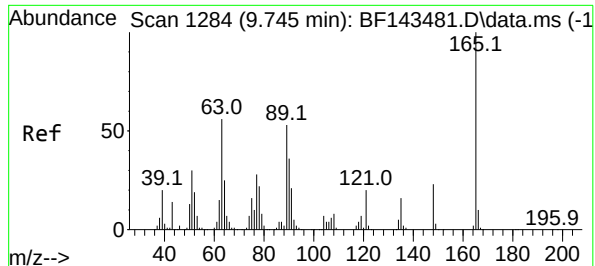
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 41.967 ng

RT: 9.745 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

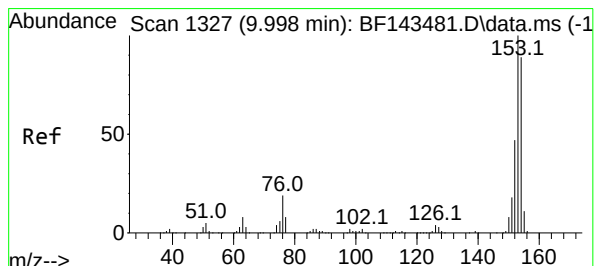
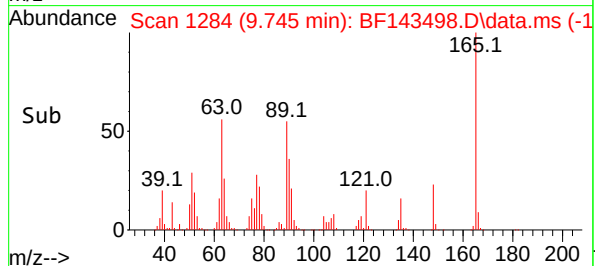
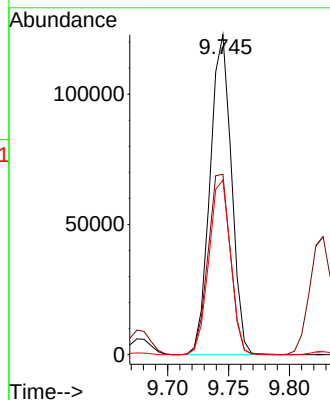
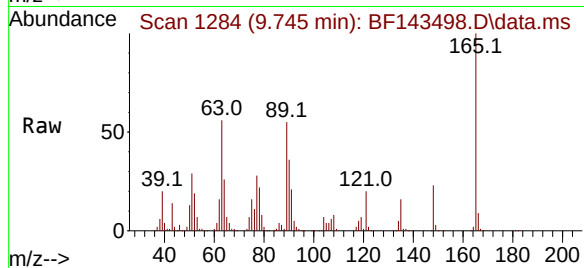
Tgt Ion:165 Resp: 150329

Ion Ratio Lower Upper

165 100

63 56.4 45.0 67.6

89 54.5 42.5 63.7



#52

Acenaphthene

Concen: 39.200 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

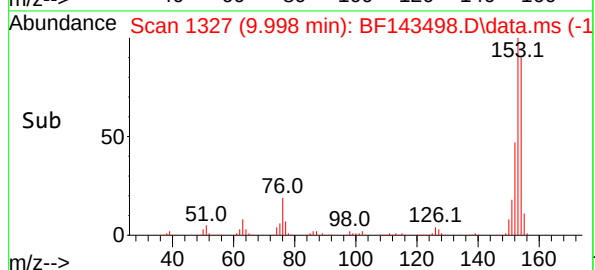
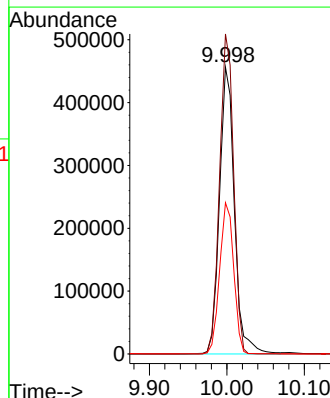
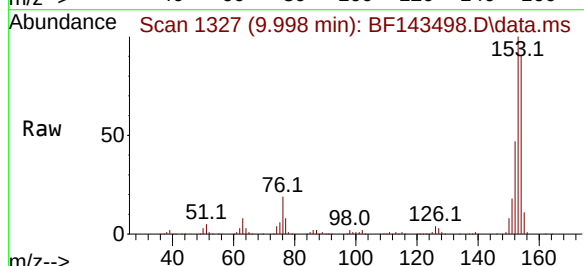
Tgt Ion:154 Resp: 609043

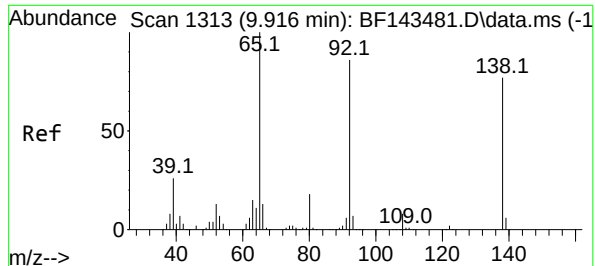
Ion Ratio Lower Upper

154 100

153 111.6 89.5 134.3

152 52.7 42.5 63.7





#53

3-Nitroaniline

Concen: 42.370 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

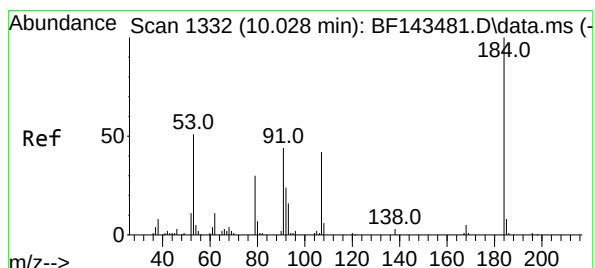
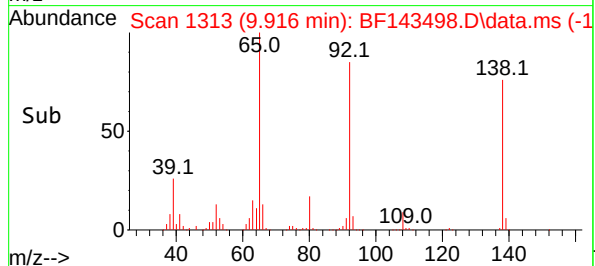
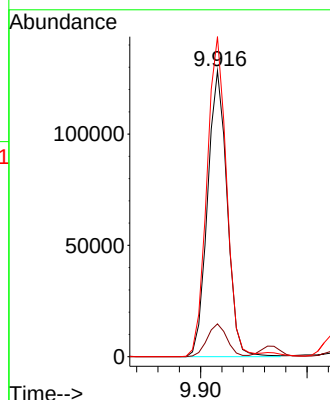
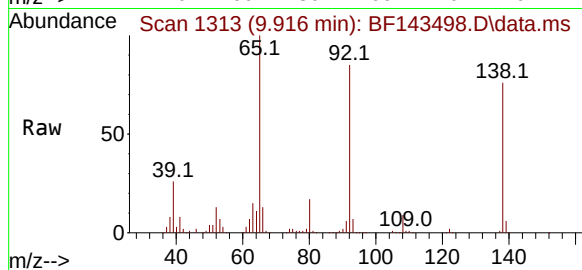
Tgt Ion:138 Resp: 164001

Ion Ratio Lower Upper

138 100

108 11.5 8.6 13.0

92 112.0 89.8 134.8



#54

2,4-Dinitrophenol

Concen: 32.946 ng

RT: 10.028 min Scan# 1332

Delta R.T. -0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

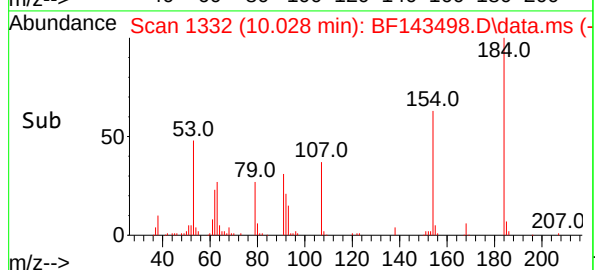
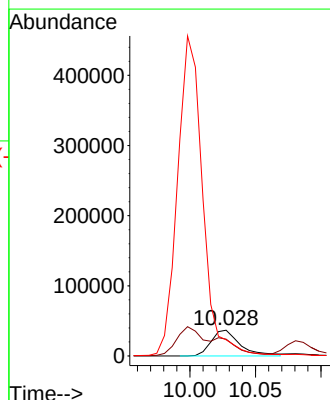
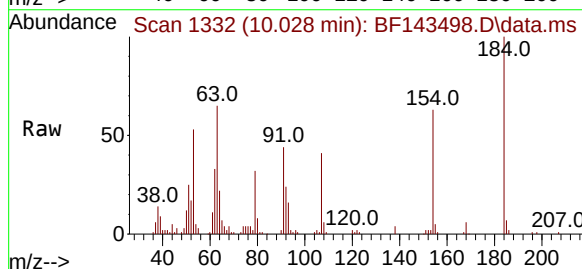
Tgt Ion:184 Resp: 56727

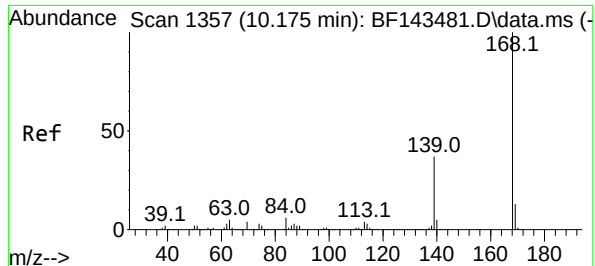
Ion Ratio Lower Upper

184 100

63 65.2 52.6 78.8

154 62.7 51.0 76.4





#55

Dibenzofuran

Concen: 39.338 ng

RT: 10.175 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

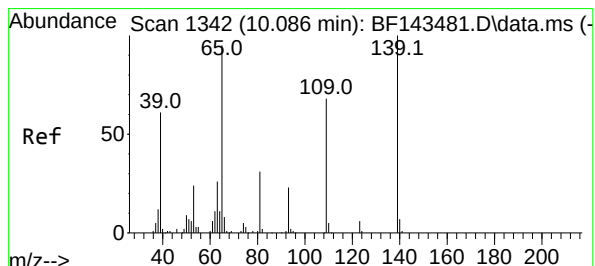
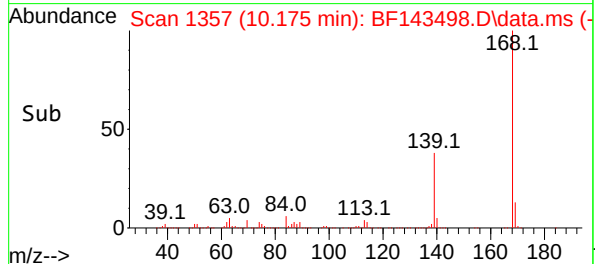
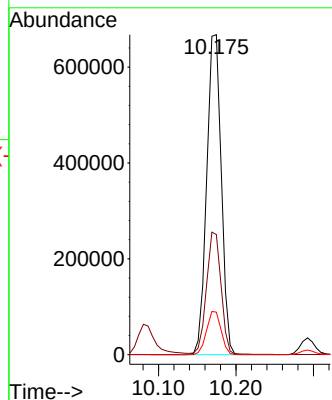
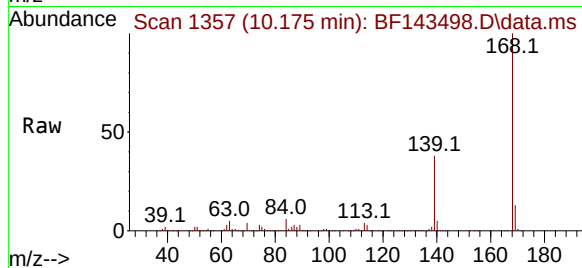
Tgt Ion:168 Resp: 871391

Ion Ratio Lower Upper

168 100

139 37.6 29.8 44.6

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 43.335 ng

RT: 10.081 min Scan# 1341

Delta R.T. -0.005 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

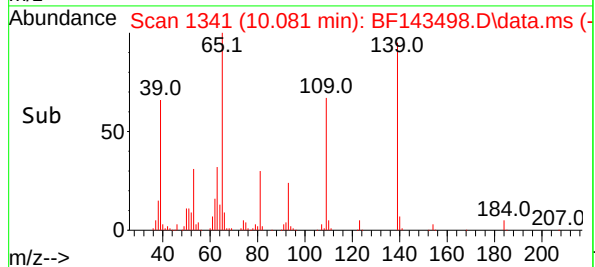
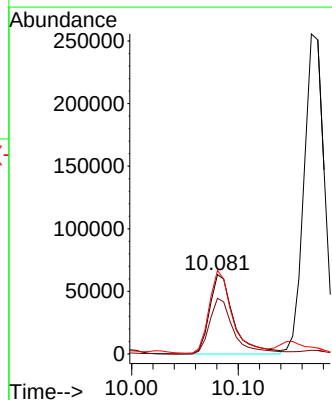
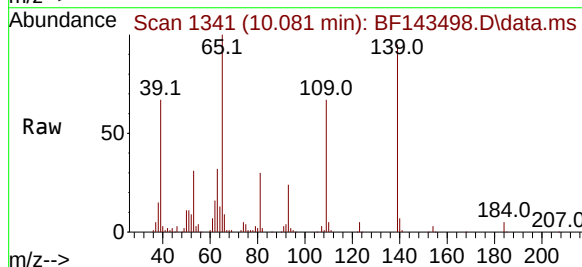
Tgt Ion:139 Resp: 99803

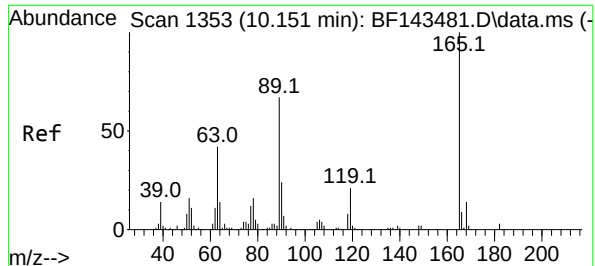
Ion Ratio Lower Upper

139 100

109 70.1 48.2 88.2

65 105.2 75.8 115.8

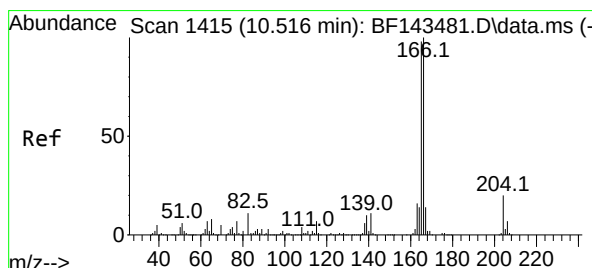
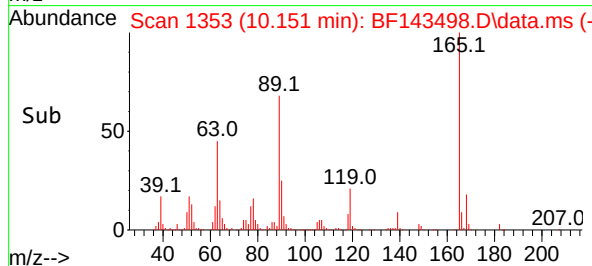
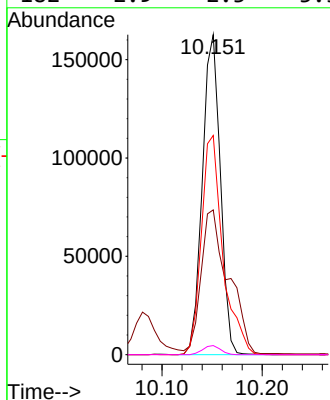
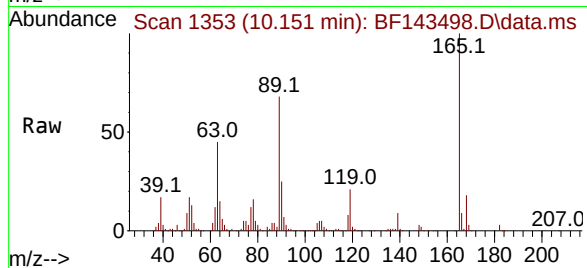




#57
2,4-Dinitrotoluene
Concen: 42.505 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

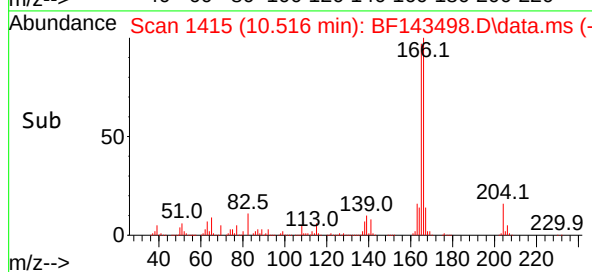
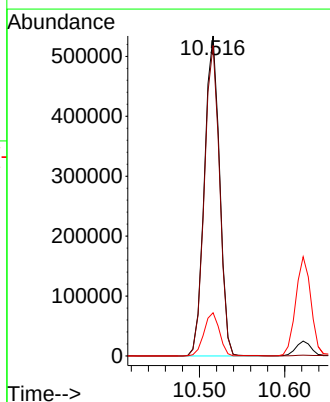
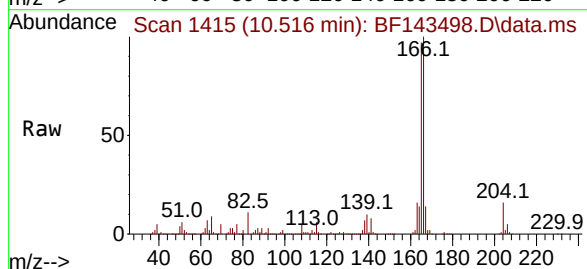
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

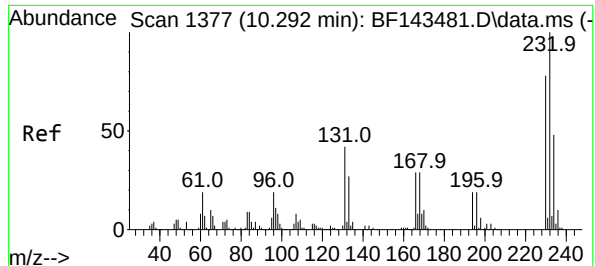
Tgt Ion:165 Resp: 203299
Ion Ratio Lower Upper
165 100
63 45.2 34.9 52.3
89 68.5 53.3 79.9
182 2.9 2.3 3.5



#58
Fluorene
Concen: 38.909 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:166 Resp: 663350
Ion Ratio Lower Upper
166 100
165 97.1 78.3 117.5
167 13.5 11.0 16.4

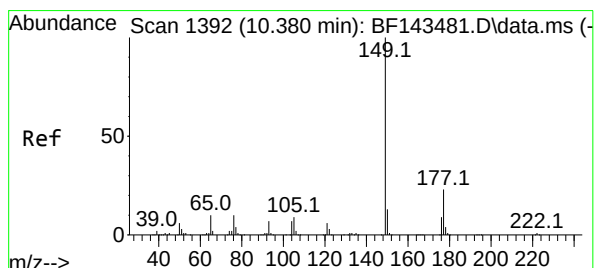
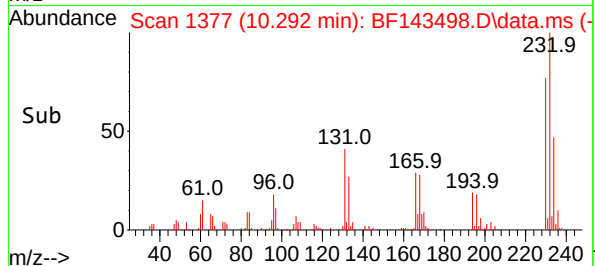
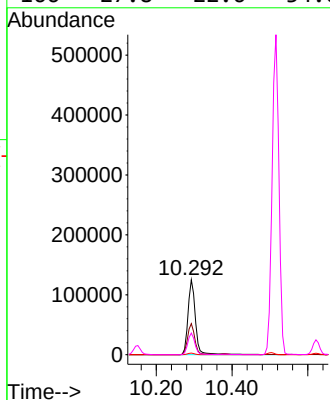
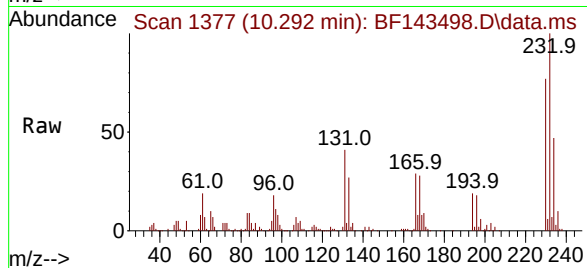




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.458 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

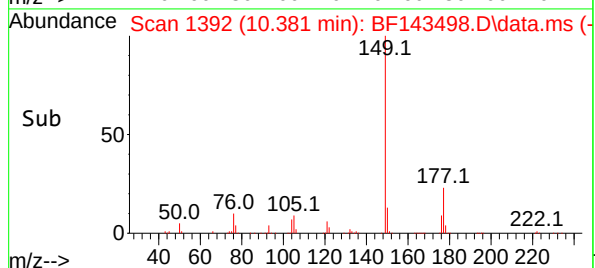
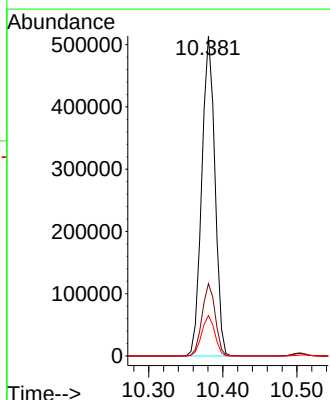
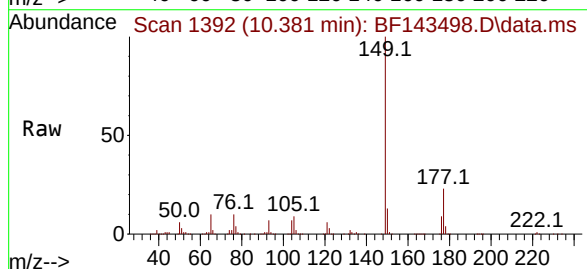
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

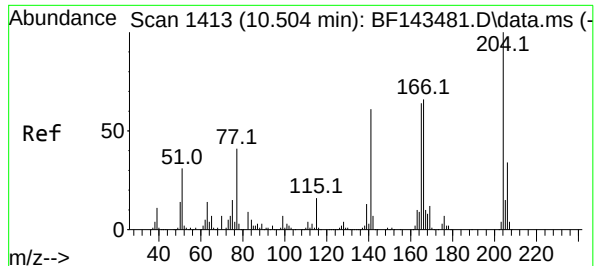
Tgt Ion:232 Resp: 169934
Ion Ratio Lower Upper
232 100
131 40.3 32.7 49.1
130 1.9 1.6 2.4
166 27.8 22.6 34.0



#60
Diethylphthalate
Concen: 40.873 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:149 Resp: 633362
Ion Ratio Lower Upper
149 100
177 22.6 18.3 27.5
150 12.6 10.3 15.5

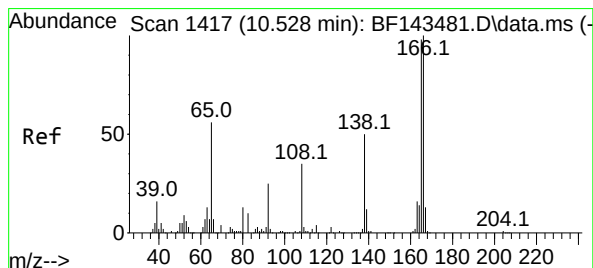
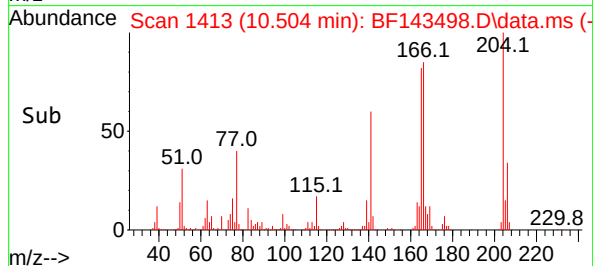
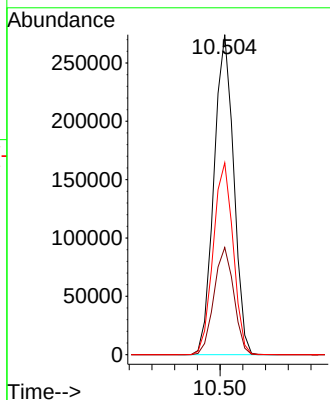
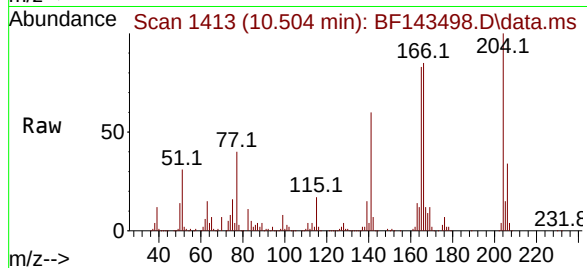




#61
4-Chlorophenyl-phenylether
Concen: 38.920 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

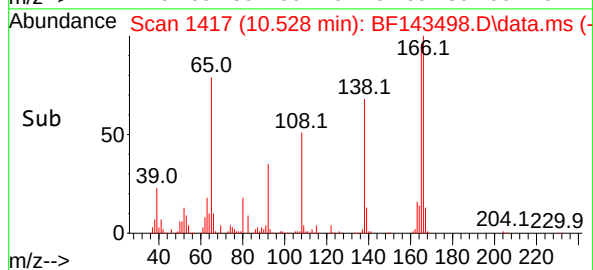
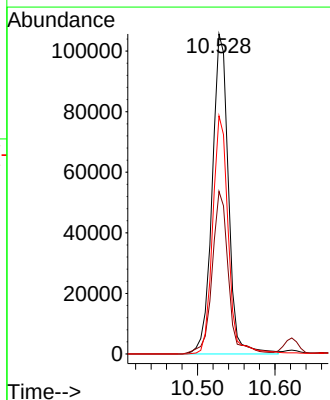
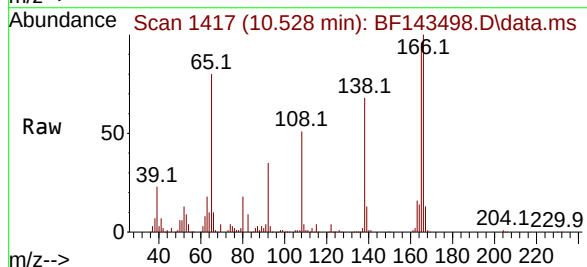
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

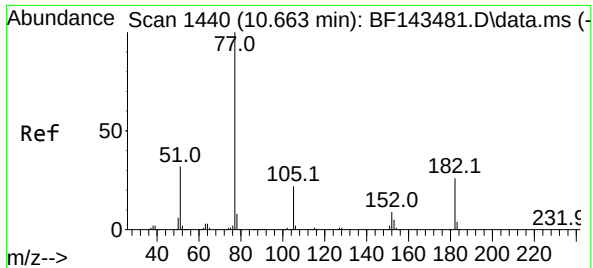
Tgt Ion:204 Resp: 331842
Ion Ratio Lower Upper
204 100
206 33.5 27.0 40.4
141 60.0 48.7 73.1



#62
4-Nitroaniline
Concen: 43.337 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:138 Resp: 154077
Ion Ratio Lower Upper
138 100
92 50.8 29.3 69.3
108 74.4 50.7 90.7

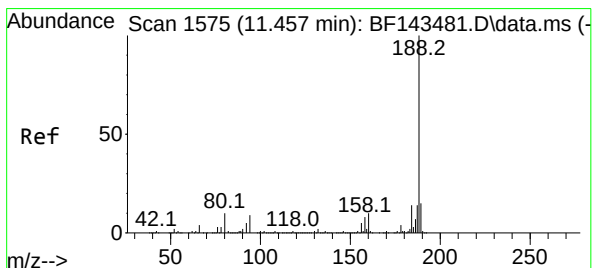
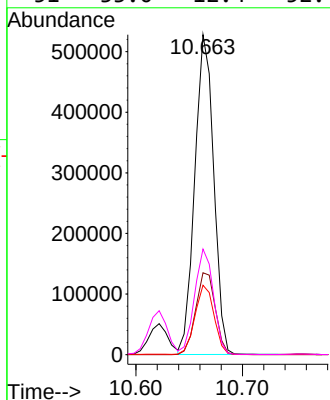
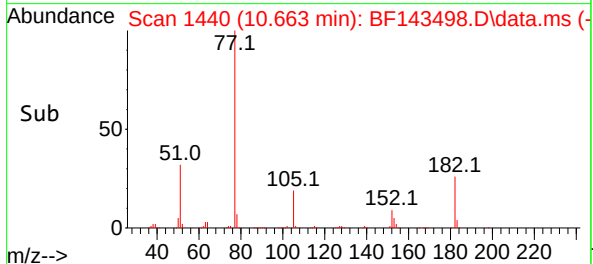
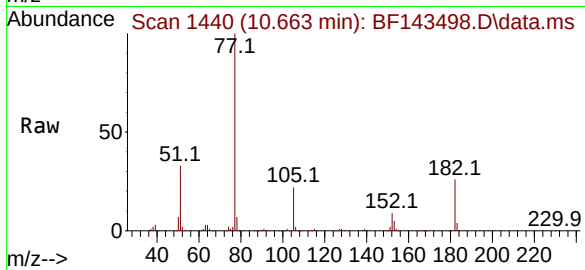




#63
Azobenzene
Concen: 40.670 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

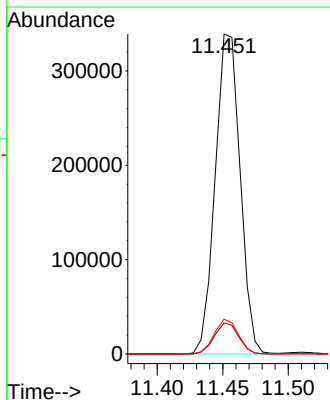
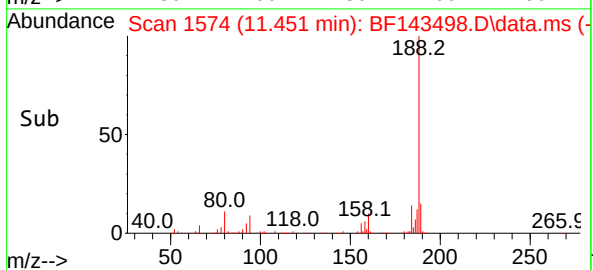
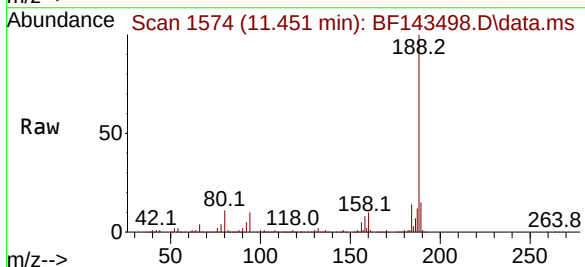
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

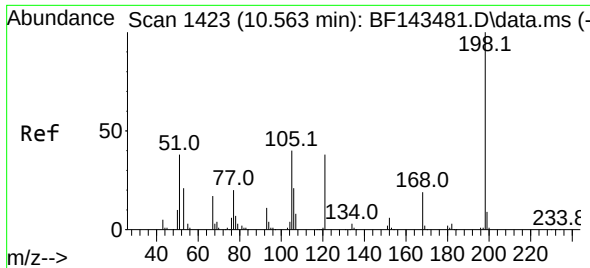
Tgt Ion:	77	Resp:	653457
Ion Ratio	Lower	Upper	
77	100		
182	25.6	6.2	46.2
105	21.7	2.2	42.2
51	33.0	12.4	52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:	188	Resp:	448105
Ion Ratio	Lower	Upper	
188	100		
94	9.7	7.4	11.2
80	10.9	8.2	12.4

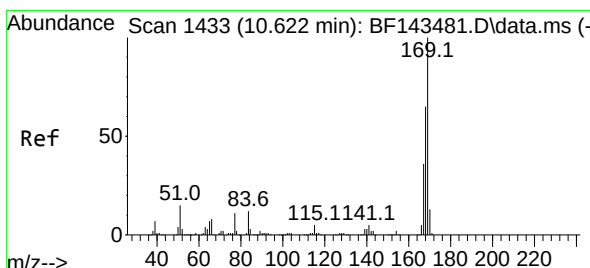
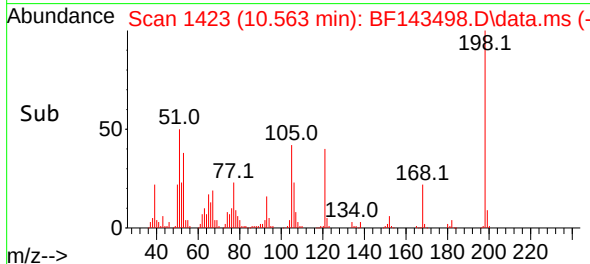
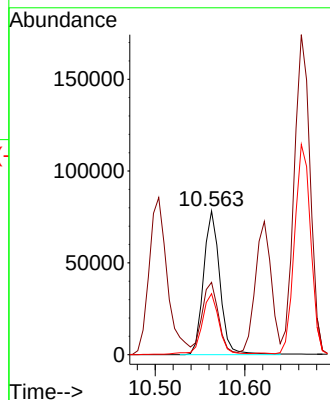
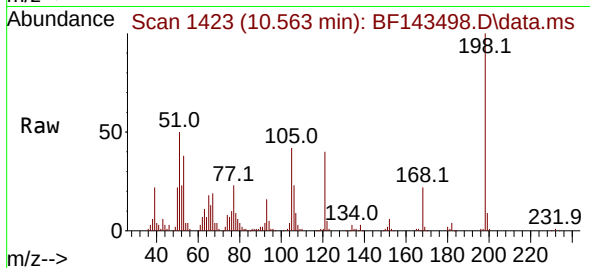




#65
4,6-Dinitro-2-methylphenol
Concen: 39.155 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

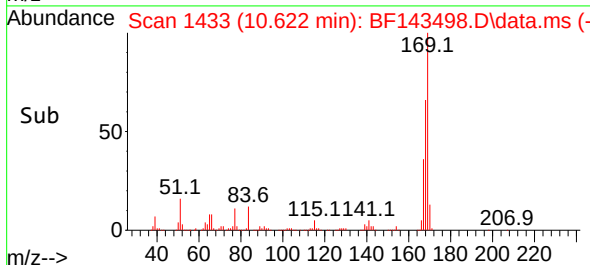
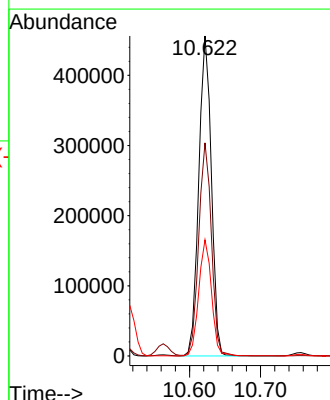
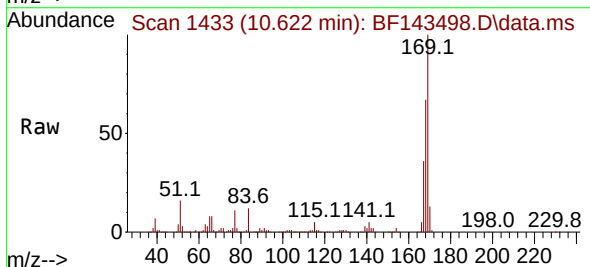
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

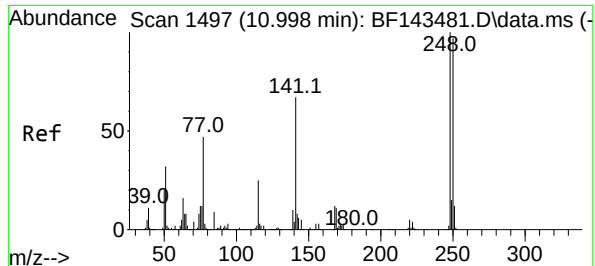
Tgt Ion:198 Resp: 98928
Ion Ratio Lower Upper
198 100
51 50.4 29.6 69.6
105 42.4 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 38.990 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:169 Resp: 562277
Ion Ratio Lower Upper
169 100
168 66.6 52.4 78.6
167 36.3 28.9 43.3

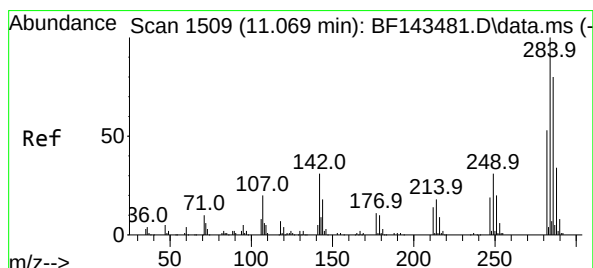
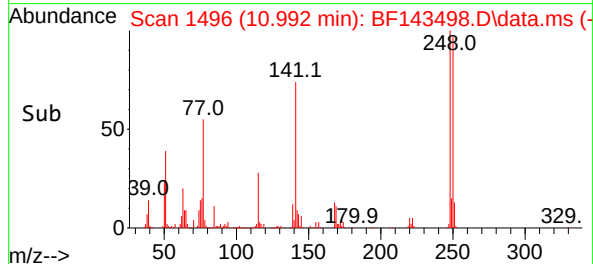
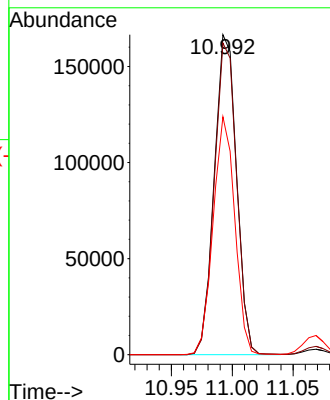
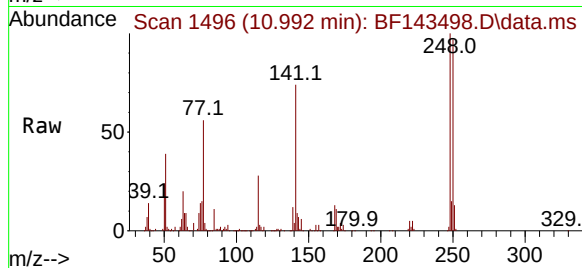




#67
4-Bromophenyl-phenylether
Concen: 39.734 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

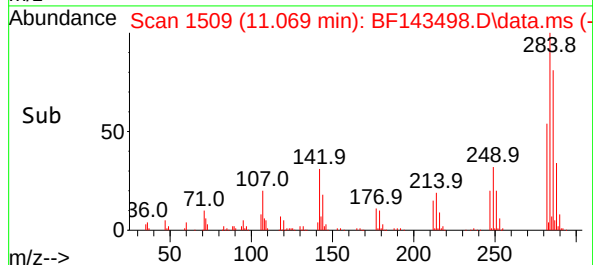
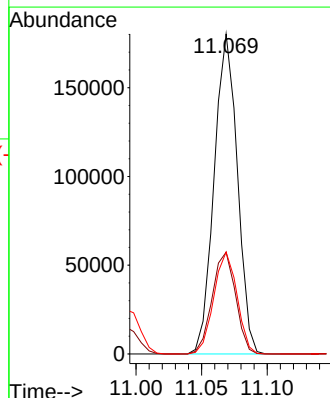
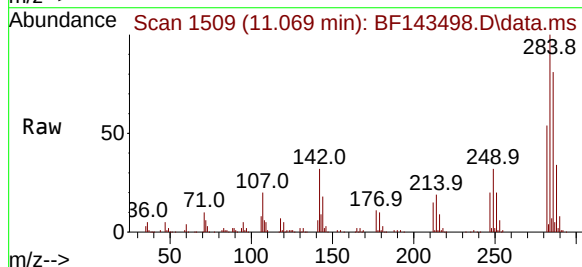
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

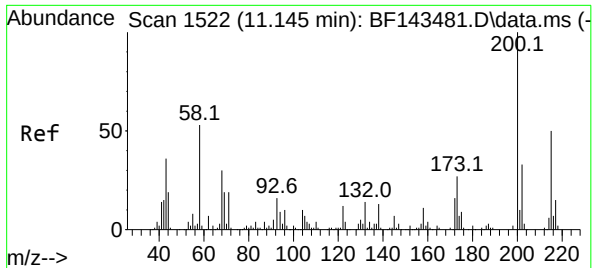
Tgt Ion:	248	Resp:	212441
Ion Ratio	Lower	Upper	
248	100		
250	97.4	77.8	116.8
141	74.4	54.0	81.0



#68
Hexachlorobenzene
Concen: 38.425 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:	284	Resp:	221451
Ion Ratio	Lower	Upper	
284	100		
142	31.8	24.4	36.6
249	31.9	25.0	37.6





#69

Atrazine

Concen: 44.605 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

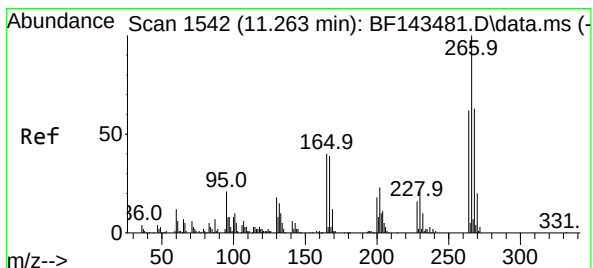
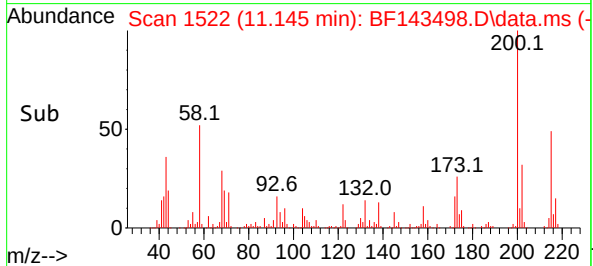
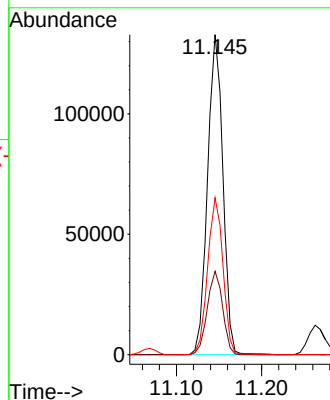
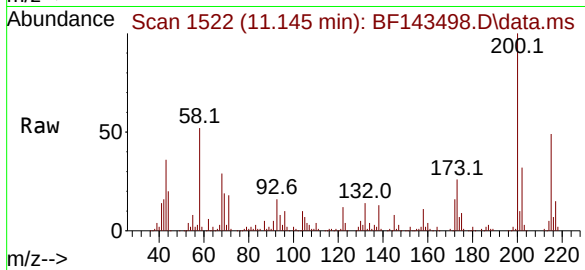
Tgt Ion:200 Resp: 166044

Ion Ratio Lower Upper

200 100

173 26.1 6.9 46.9

215 49.1 30.0 70.0



#70

Pentachlorophenol

Concen: 40.559 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

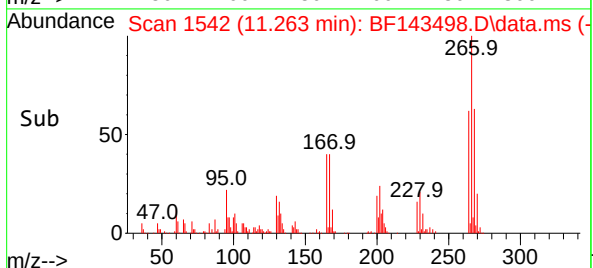
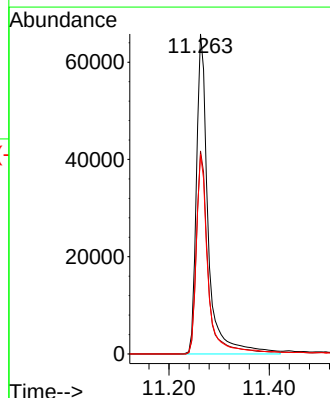
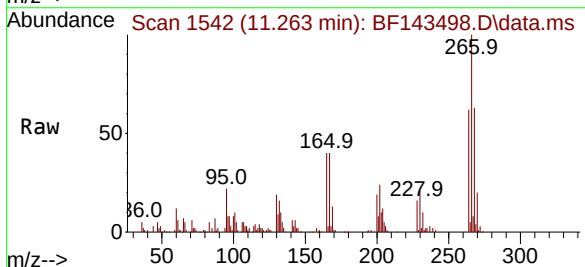
Tgt Ion:266 Resp: 107054

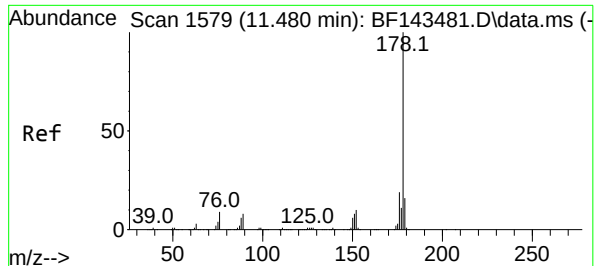
Ion Ratio Lower Upper

266 100

268 63.4 50.5 75.7

264 62.4 49.8 74.8





#71

Phenanthrene

Concen: 38.800 ng

RT: 11.480 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

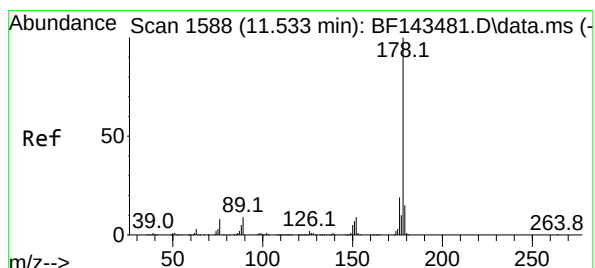
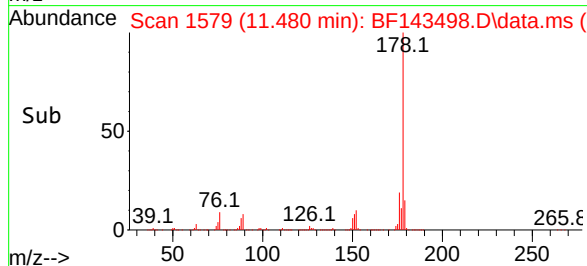
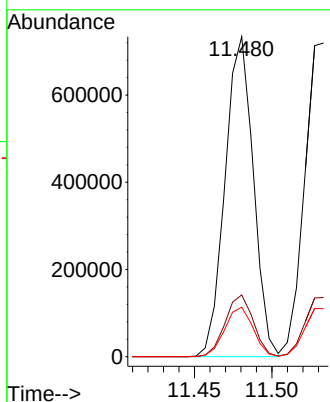
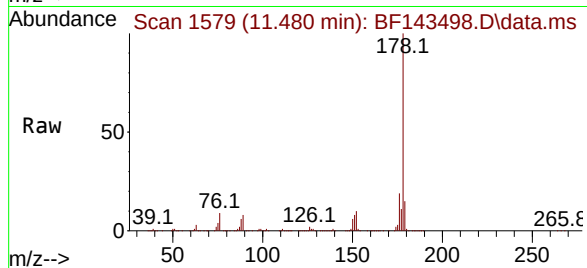
Tgt Ion:178 Resp: 931062

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.5 12.5 18.7



#72

Anthracene

Concen: 39.041 ng

RT: 11.533 min Scan# 1588

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

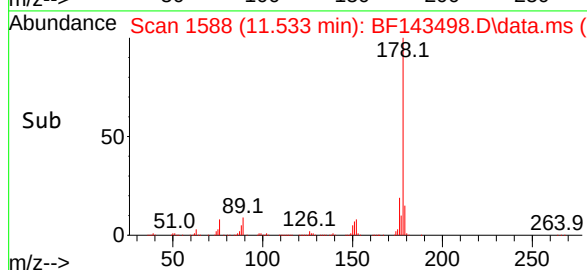
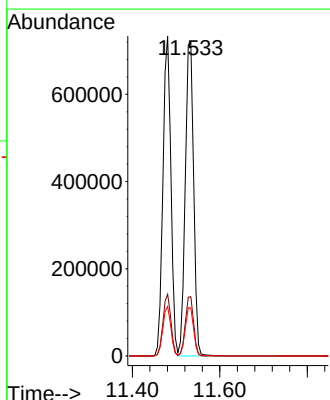
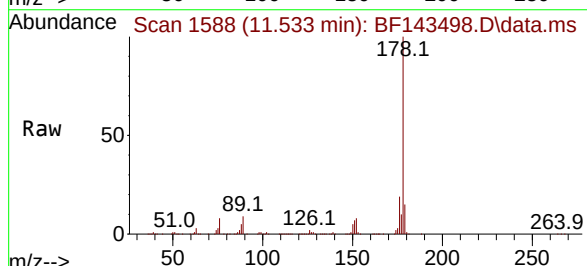
Tgt Ion:178 Resp: 949077

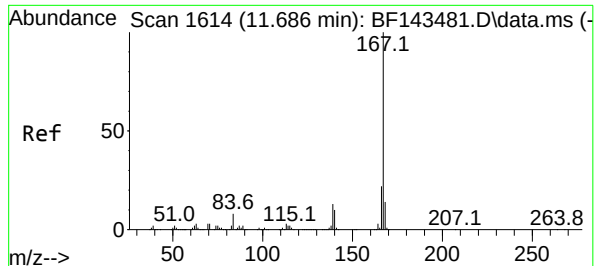
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 15.3 12.3 18.5

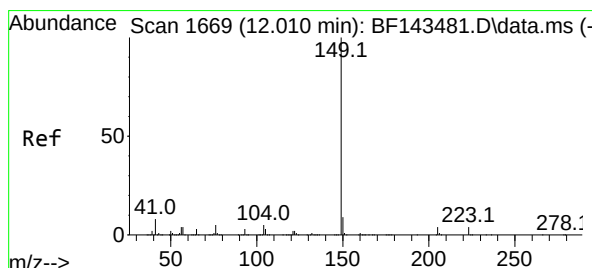
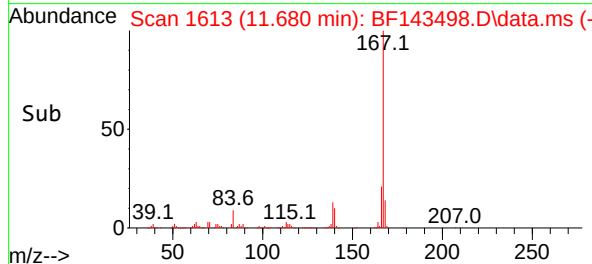
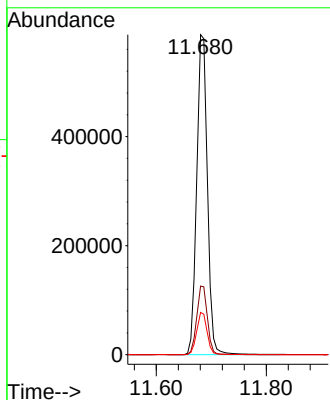
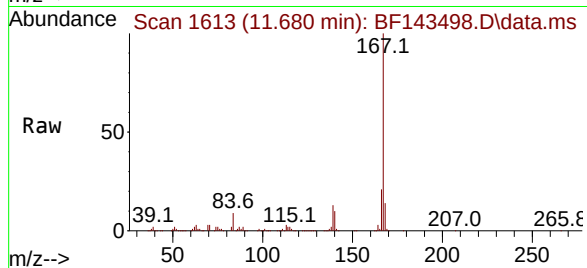




#73
Carbazole
Concen: 39.926 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

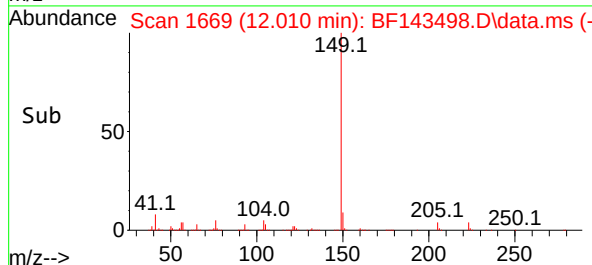
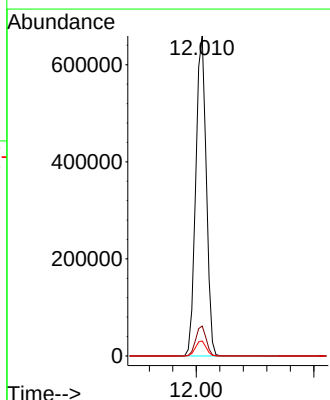
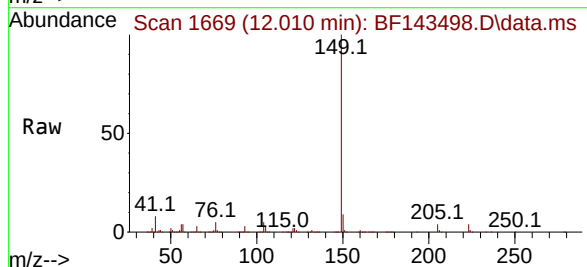
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

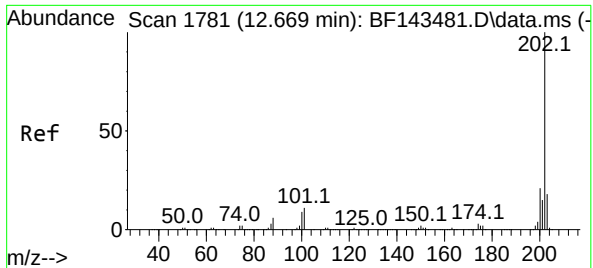
Tgt Ion:167 Resp: 795296
Ion Ratio Lower Upper
167 100
166 21.5 17.3 25.9
139 13.2 10.0 15.0



#74
Di-n-butylphthalate
Concen: 43.920 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:149 Resp: 816139
Ion Ratio Lower Upper
149 100
150 9.3 7.2 10.8
104 4.7 3.6 5.4

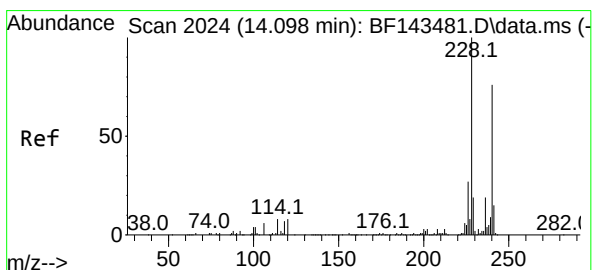
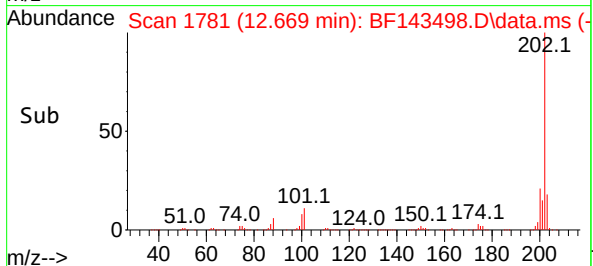
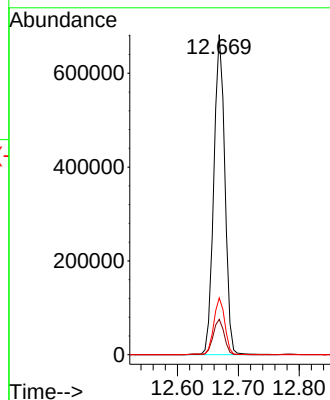
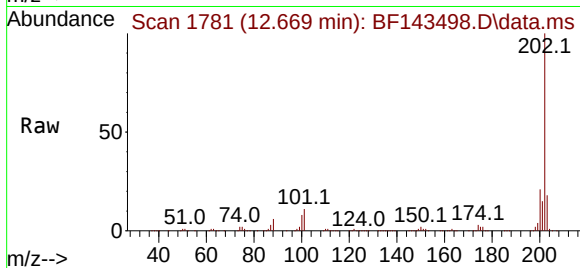




#75
Fluoranthene
Concen: 40.050 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

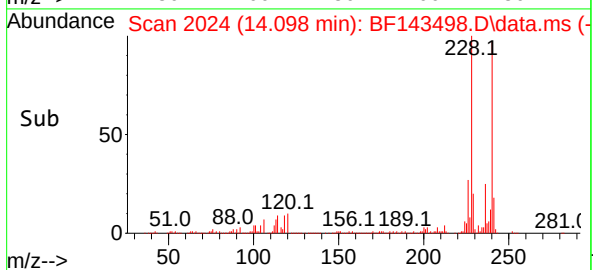
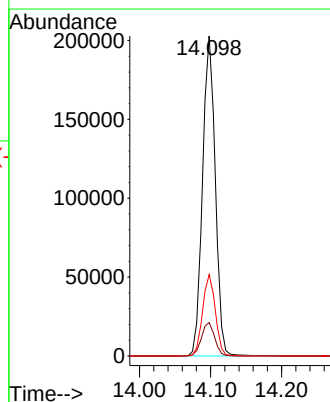
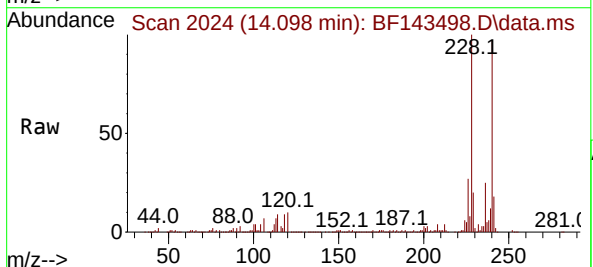
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

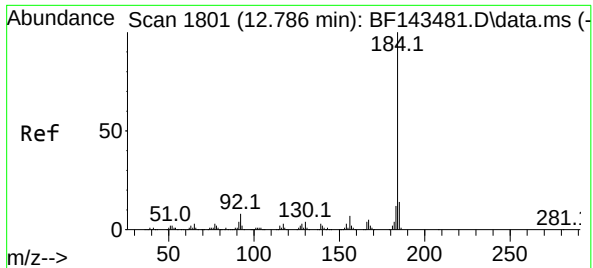
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.3
203	17.7	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	12.8
236	25.4	20.4	30.6





#77

Benzidine

Concen: 46.044 ng

RT: 12.786 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

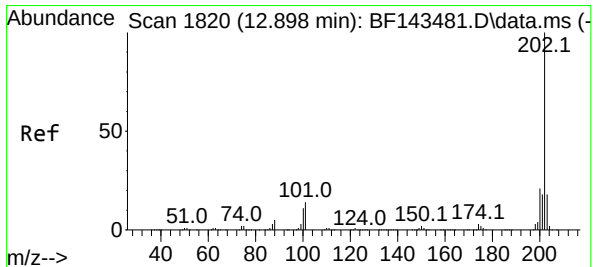
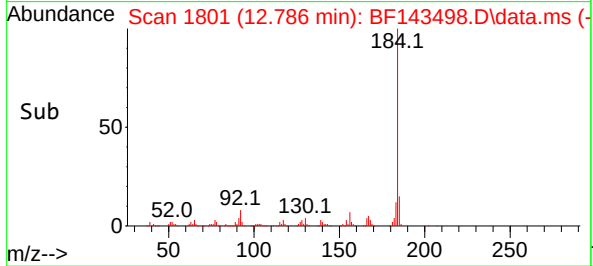
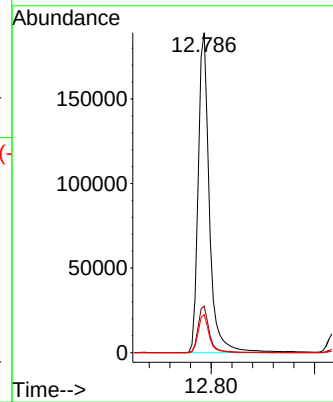
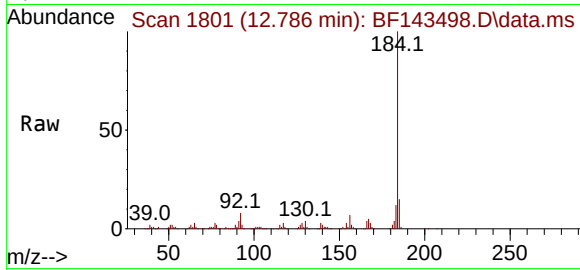
Tgt Ion:184 Resp: 284041

Ion Ratio Lower Upper

184 100

185 14.6 11.3 16.9

183 11.9 9.5 14.3



#78

Pyrene

Concen: 40.485 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

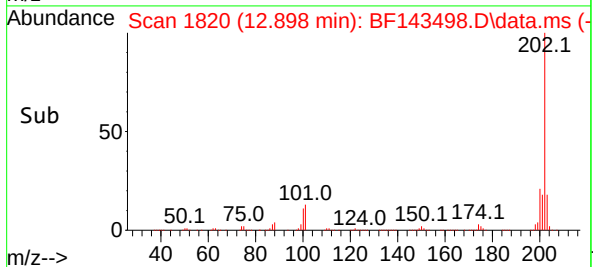
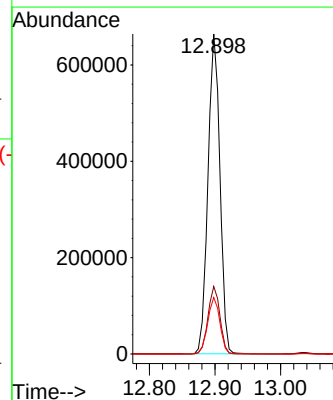
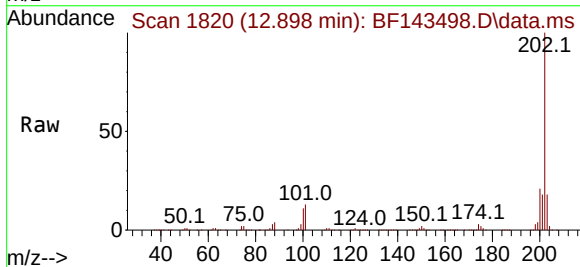
Tgt Ion:202 Resp: 843384

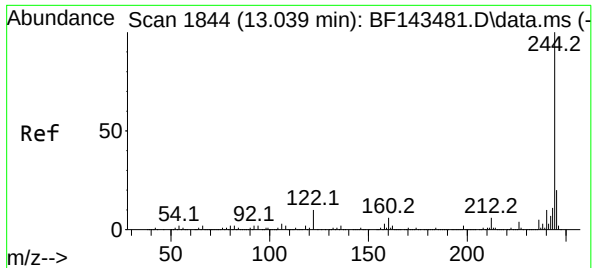
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 80.326 ng

RT: 13.033 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

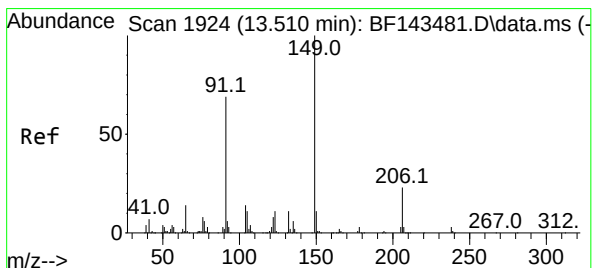
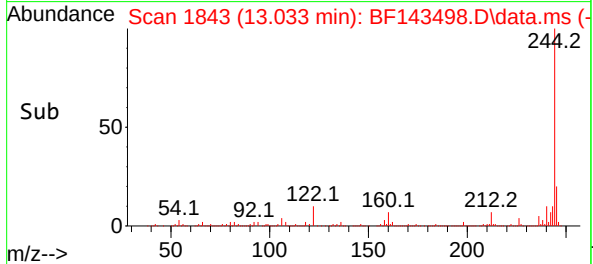
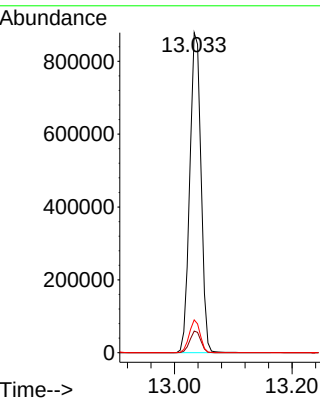
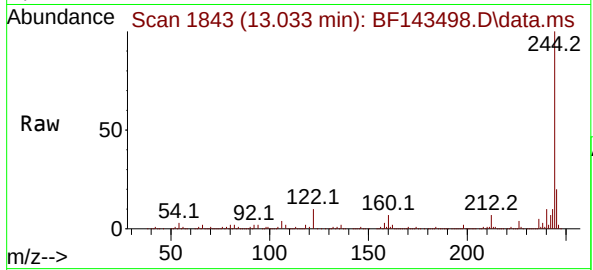
Tgt Ion:244 Resp: 1165752

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 10.3 7.9 11.9



#80

Butylbenzylphthalate

Concen: 42.677 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

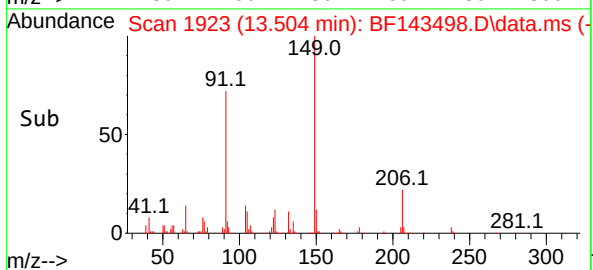
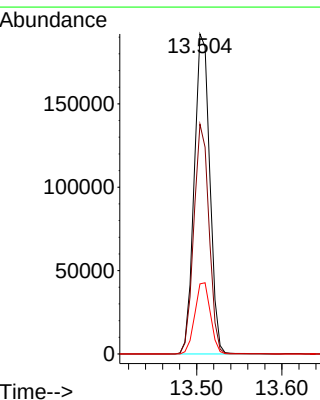
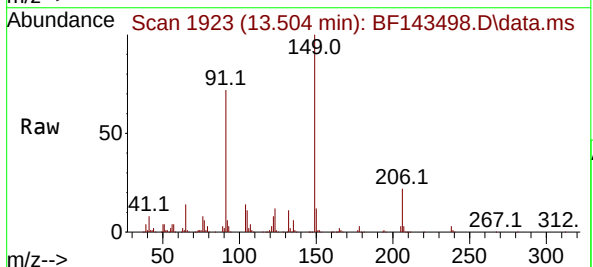
Tgt Ion:149 Resp: 242873

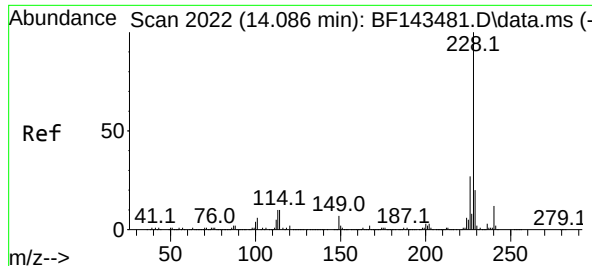
Ion Ratio Lower Upper

149 100

91 71.8 55.3 82.9

206 21.9 18.2 27.4





#81

Benzo(a)anthracene

Concen: 38.965 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

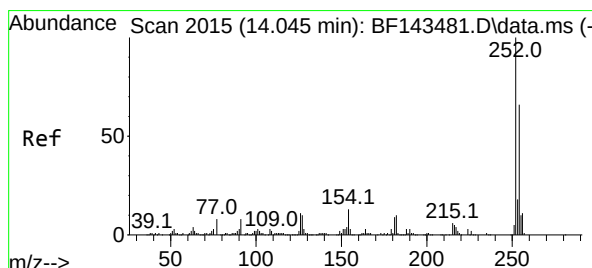
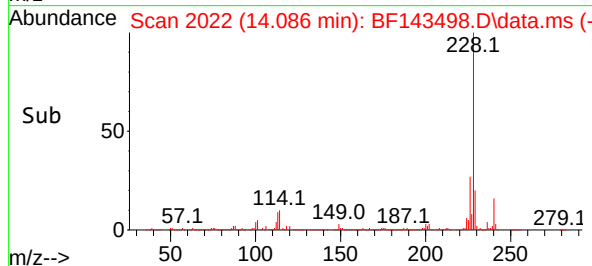
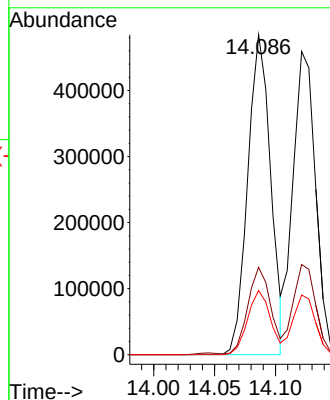
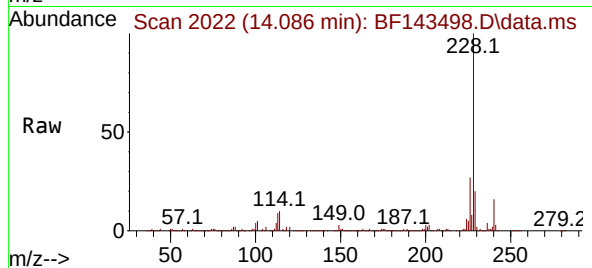
Tgt Ion:228 Resp: 635317

Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

229 20.1 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 40.076 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

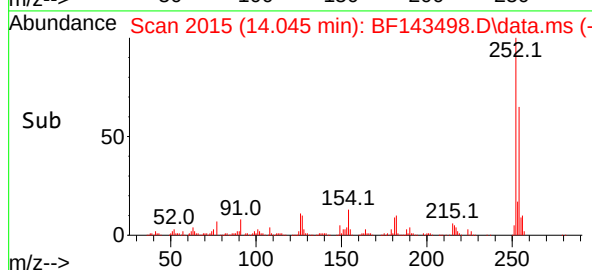
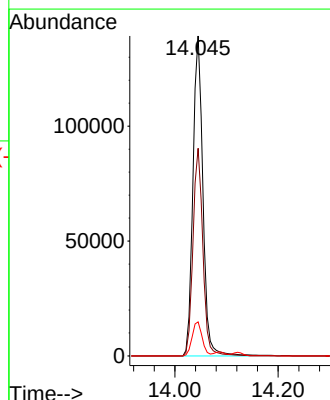
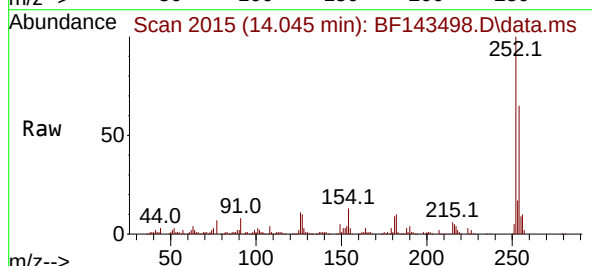
Tgt Ion:252 Resp: 187129

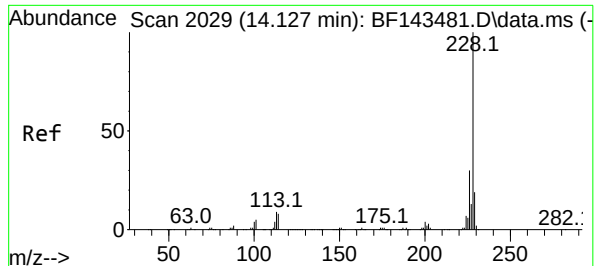
Ion Ratio Lower Upper

252 100

254 64.9 52.6 79.0

126 10.7 8.7 13.1





#83

Chrysene

Concen: 40.656 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

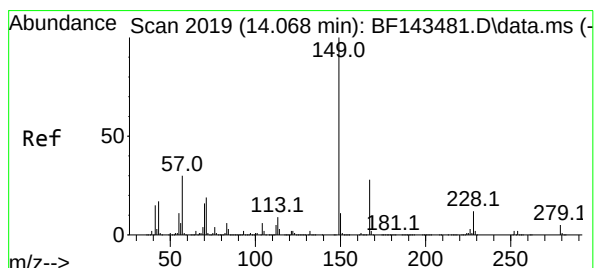
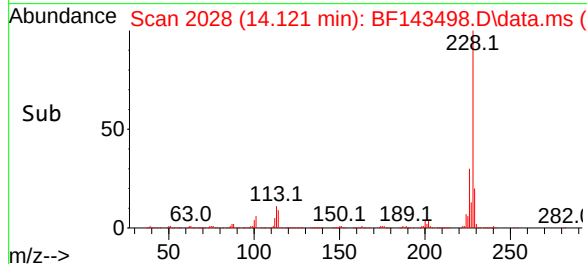
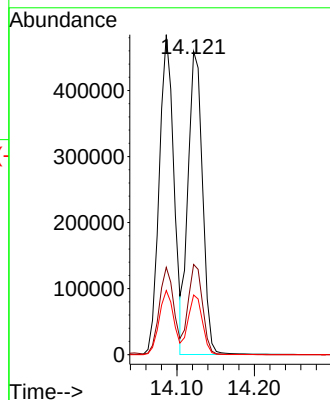
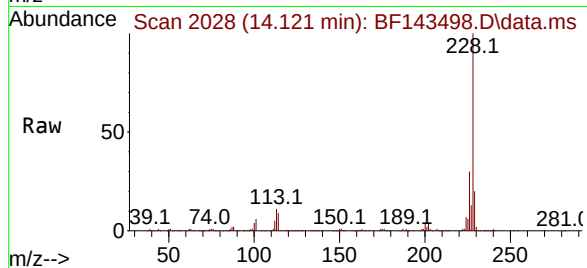
Tgt Ion:228 Resp: 595706

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.980 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

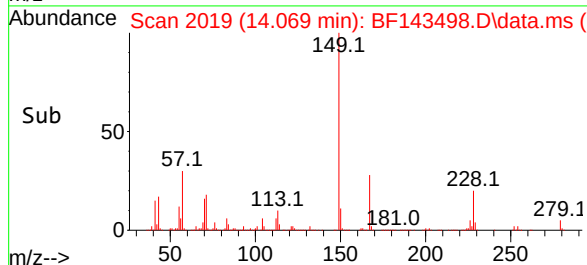
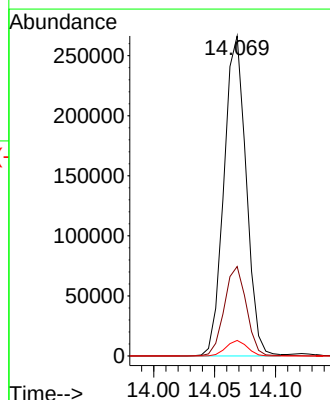
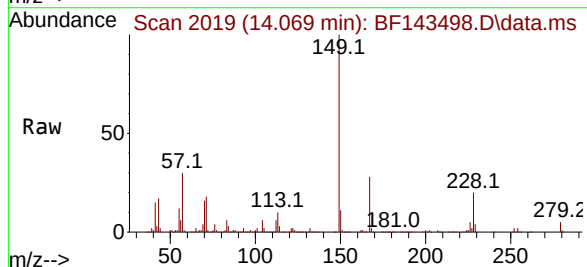
Tgt Ion:149 Resp: 337867

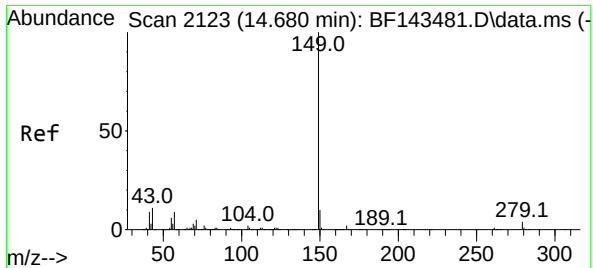
Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.2

279 4.8 3.6 5.4

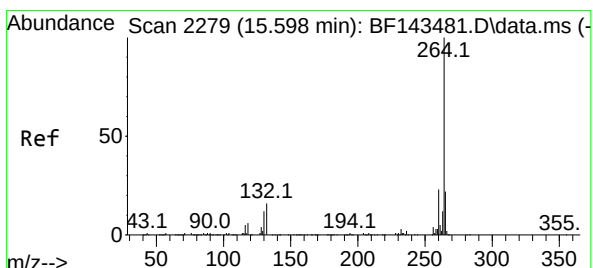
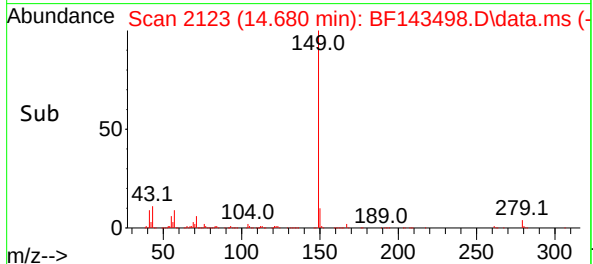
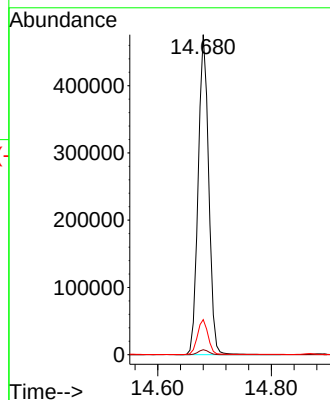
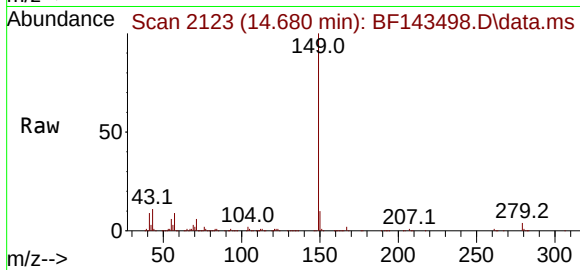




#85
Di-n-octyl phthalate
Concen: 38.327 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

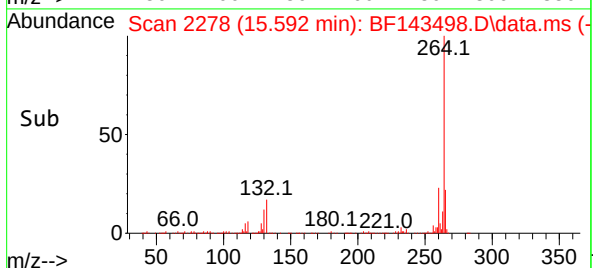
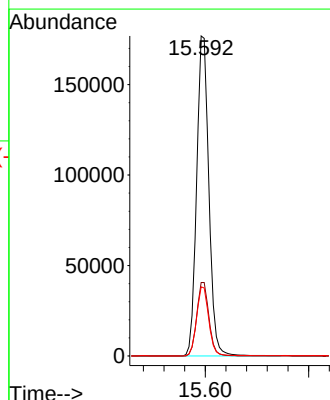
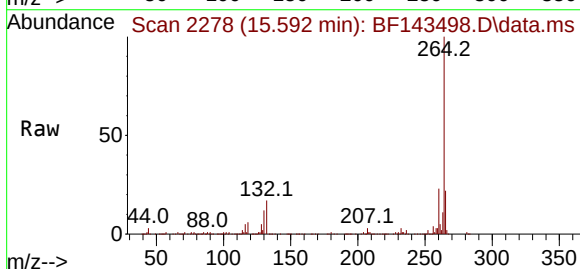
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

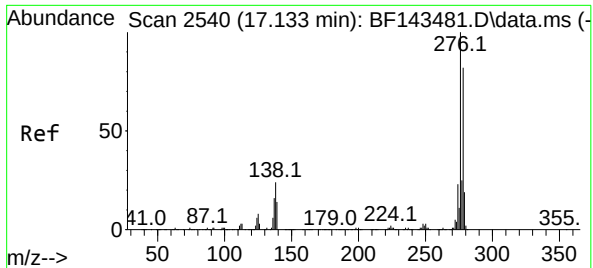
Tgt Ion:149 Resp: 615416
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.0 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:264 Resp: 290056
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 21.6 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.308 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

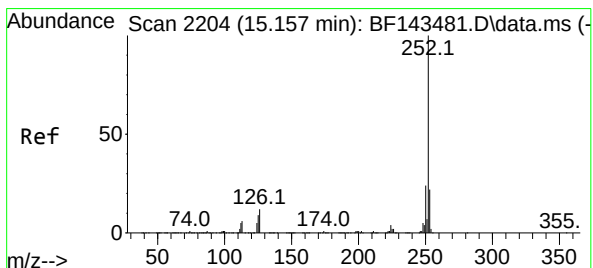
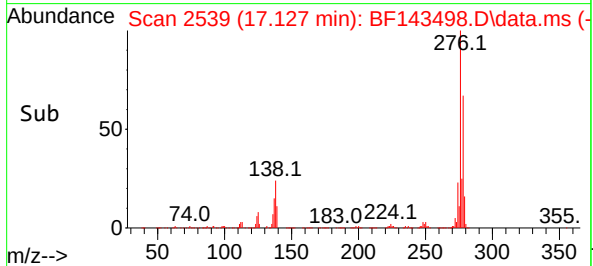
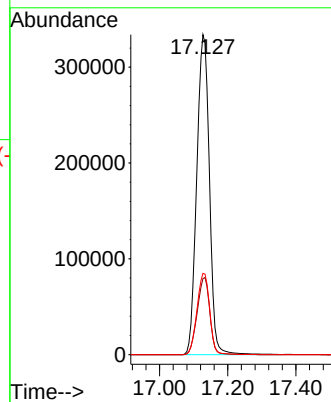
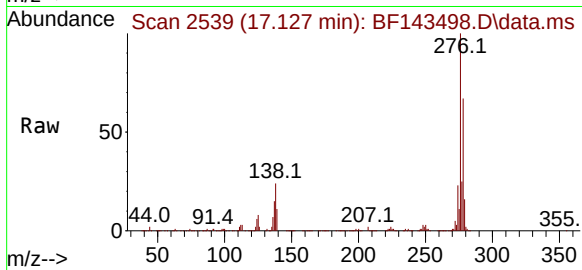
Tgt Ion:276 Resp: 861001

Ion Ratio Lower Upper

276 100

138 24.0 19.2 28.8

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 39.847 ng

RT: 15.157 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

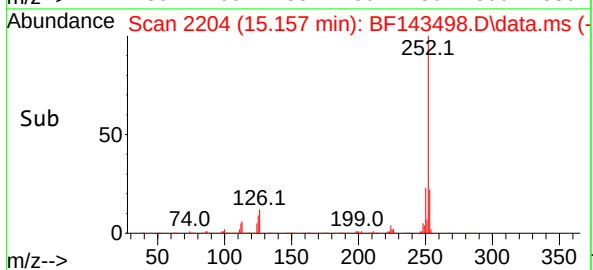
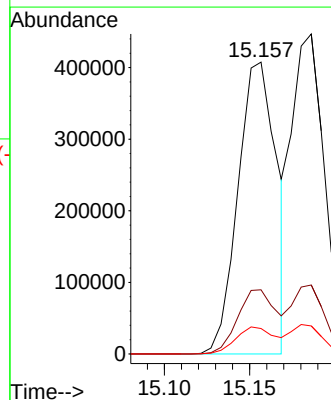
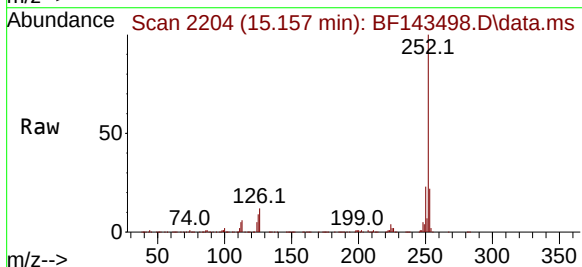
Tgt Ion:252 Resp: 642454

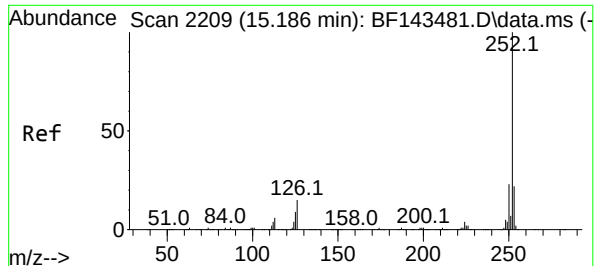
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 8.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 39.415 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

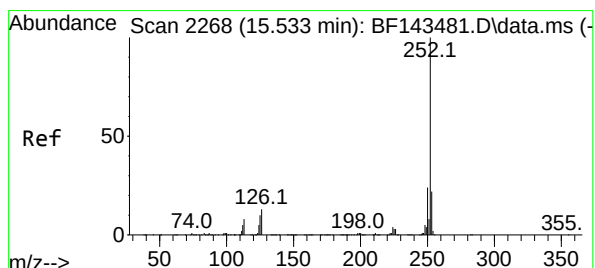
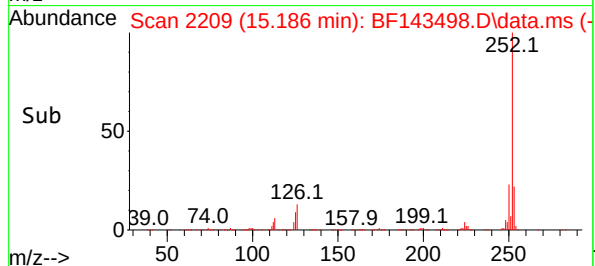
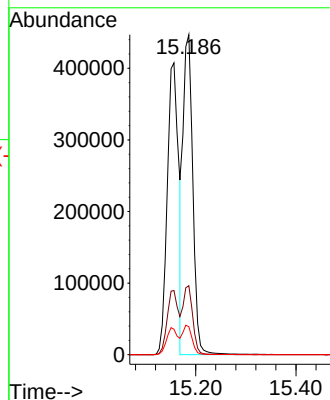
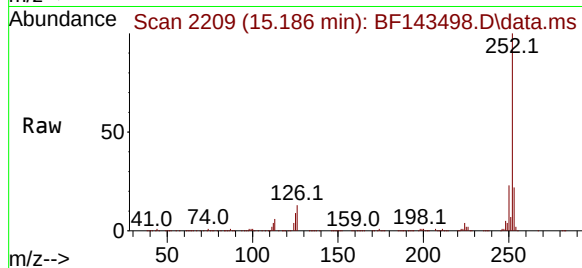
Tgt Ion:252 Resp: 608451

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 8.7 7.4 11.0



#90

Benzo(a)pyrene

Concen: 40.037 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143498.D

Acq: 20 Aug 2025 22:05

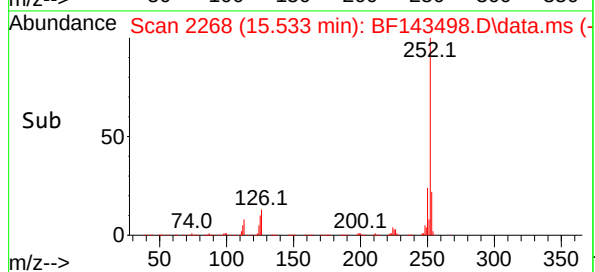
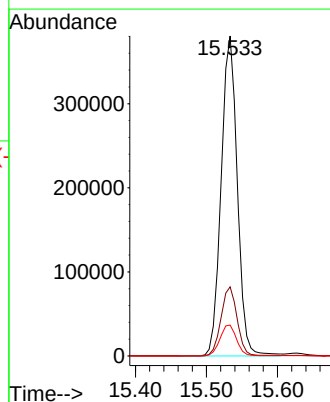
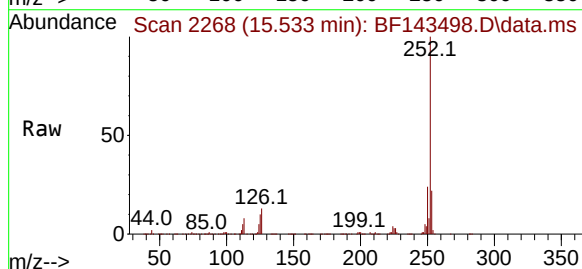
Tgt Ion:252 Resp: 599182

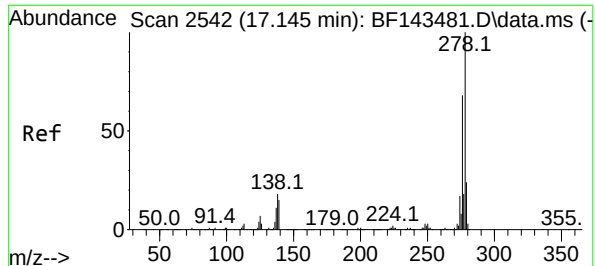
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 9.7 8.2 12.2

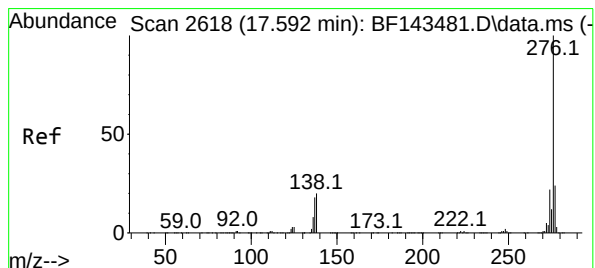
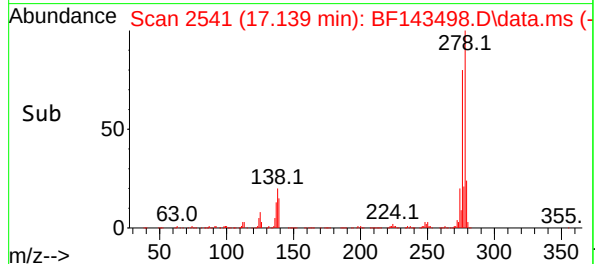
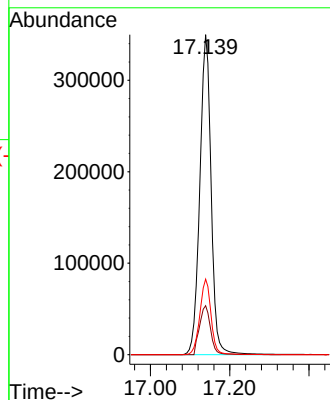
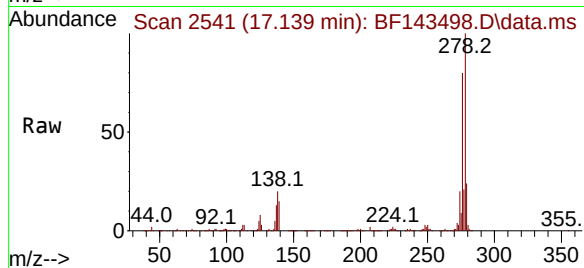




#91
Dibenzo(a,h)anthracene
Concen: 41.497 ng
RT: 17.139 min Scan# 2541
Delta R.T. -0.018 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

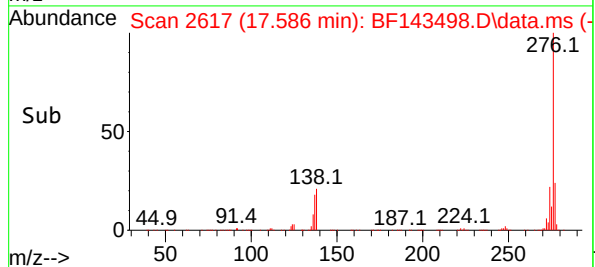
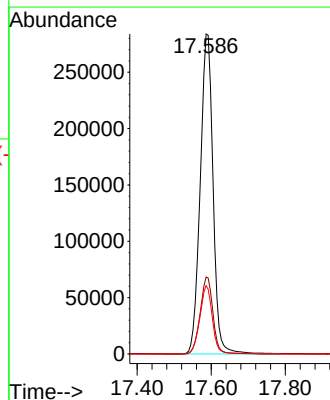
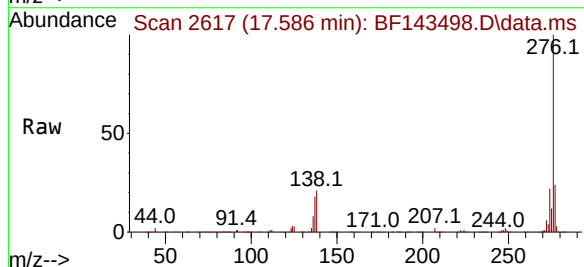
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 692716
Ion Ratio Lower Upper
278 100
139 15.3 12.1 18.1
279 23.6 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 41.185 ng
RT: 17.586 min Scan# 2617
Delta R.T. -0.018 min
Lab File: BF143498.D
Acq: 20 Aug 2025 22:05

Tgt Ion:276 Resp: 683631
Ion Ratio Lower Upper
276 100
277 24.0 18.9 28.3
138 21.3 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
Acq On : 20 Aug 2025 22:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2	1,4-Dioxane	0.531	0.507	4.5	95	0.00
3	Pyridine	1.413	1.355	4.1	95	0.00
4	n-Nitrosodimethylamine	0.635	0.643	-1.3	101	-0.01
5 S	2-Fluorophenol	1.145	1.150	-0.4	102	0.00
6	Aniline	1.890	1.885	0.3	100	0.00
7 S	Phenol-d6	1.414	1.395	1.3	100	-0.01
8	2-Chlorophenol	1.265	1.270	-0.4	101	0.00
9	Benzaldehyde	1.145	1.081	5.6	91	0.00
10 C	Phenol	1.629	1.649	-1.2	101	0.00
11	bis(2-Chloroethyl)ether	1.217	1.211	0.5	100	0.00
12	1,3-Dichlorobenzene	1.421	1.397	1.7	99	0.00
13 C	1,4-Dichlorobenzene	1.426	1.416	0.7	101	0.00
14	1,2-Dichlorobenzene	1.350	1.328	1.6	99	0.00
15	Benzyl Alcohol	1.059	1.065	-0.6	99	0.00
16	2,2'-oxybis(1-Chloropropane	1.947	1.949	-0.1	100	0.00
17	2-Methylphenol	1.015	1.021	-0.6	102	0.00
18	Hexachloroethane	0.485	0.481	0.8	99	0.00
19 P	n-Nitroso-di-n-propylamine	0.864	0.852	1.4	102	-0.01
20	3+4-Methylphenols	1.212	1.222	-0.8	101	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
22	Acetophenone	0.432	0.424	1.9	102	0.00
23 S	Nitrobenzene-d5	0.343	0.349	-1.7	102	-0.01
24	Nitrobenzene	0.353	0.362	-2.5	102	0.00
25	Isophorone	0.628	0.635	-1.1	102	-0.01
26 C	2-Nitrophenol	0.173	0.181	-4.6	102	0.00
27	2,4-Dimethylphenol	0.269	0.270	-0.4	100	0.00
28	bis(2-Chloroethoxy)methane	0.386	0.385	0.3	100	0.00
29 C	2,4-Dichlorophenol	0.288	0.290	-0.7	101	0.00
30	1,2,4-Trichlorobenzene	0.296	0.288	2.7	99	0.00
31	Naphthalene	0.960	0.933	2.8	99	0.00
32	Benzoic acid	0.137	0.137	0.0	94	-0.03
33	4-Chloroaniline	0.341	0.343	-0.6	100	0.00
34 C	Hexachlorobutadiene	0.193	0.192	0.5	100	0.00
35	Caprolactam	0.069	0.078	-13.0	110	-0.02
36 C	4-Chloro-3-methylphenol	0.288	0.293	-1.7	102	0.00
37	2-Methylnaphthalene	0.641	0.630	1.7	100	0.00
38	1-Methylnaphthalene	0.613	0.605	1.3	100	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40	1,2,4,5-Tetrachlorobenzene	0.572	0.553	3.3	99	0.00
41 P	Hexachlorocyclopentadiene	0.184	0.163	11.4	84	0.00
42 S	2,4,6-Tribromophenol	0.186	0.184	1.1	100	0.00
43 C	2,4,6-Trichlorophenol	0.352	0.356	-1.1	99	0.00
44	2,4,5-Trichlorophenol	0.385	0.377	2.1	100	0.00
45 S	2-Fluorobiphenyl	1.210	1.135	6.2	100	0.00
46	1,1'-Biphenyl	1.420	1.373	3.3	100	0.00
47	2-Chloronaphthalene	1.114	1.101	1.2	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
Acq On : 20 Aug 2025 22:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.326	0.341	-4.6	103	0.00
49	Acenaphthylene	1.595	1.574	1.3	101	0.00
50	Dimethylphthalate	1.205	1.228	-1.9	104	0.00
51	2,6-Dinitrotoluene	0.250	0.262	-4.8	102	0.00
52 C	Acenaphthene	1.083	1.061	2.0	100	0.00
53	3-Nitroaniline	0.270	0.286	-5.9	104	0.00
54 P	2,4-Dinitrophenol	0.115	0.099	13.9	84	0.00
55	Dibenzofuran	1.544	1.518	1.7	101	0.00
56 P	4-Nitrophenol	0.161	0.174	-8.1	103	0.00
57	2,4-Dinitrotoluene	0.333	0.354	-6.3	102	0.00
58	Fluorene	1.188	1.156	2.7	101	0.00
59	2,3,4,6-Tetrachlorophenol	0.286	0.296	-3.5	101	0.00
60	Diethylphthalate	1.080	1.104	-2.2	103	0.00
61	4-Chlorophenyl-phenylether	0.594	0.578	2.7	100	0.00
62	4-Nitroaniline	0.248	0.268	-8.1	106	-0.01
63	Azobenzene	1.120	1.139	-1.7	103	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.110	2.7	96	0.00
66 c	n-Nitrosodiphenylamine	0.644	0.627	2.6	101	0.00
67	4-Bromophenyl-phenylether	0.239	0.237	0.8	101	0.00
68	Hexachlorobenzene	0.257	0.247	3.9	99	0.00
69	Atrazine	0.166	0.185	-11.4	113	0.00
70 C	Pentachlorophenol	0.118	0.119	-0.8	99	0.00
71	Phenanthrene	1.071	1.039	3.0	103	0.00
72	Anthracene	1.085	1.059	2.4	101	0.00
73	Carbazole	0.889	0.887	0.2	103	0.00
74	Di-n-butylphthalate	0.829	0.911	-9.9	110	0.00
75 C	Fluoranthene	0.961	0.962	-0.1	105	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	101	0.00
77	Benzydine	0.487	0.561	-15.2	110	0.00
78	Pyrene	1.645	1.665	-1.2	103	0.00
79 S	Terphenyl-d14	1.146	1.151	-0.4	103	0.00
80	Butylbenzylphthalate	0.449	0.480	-6.9	104	0.00
81	Benzo(a)anthracene	1.288	1.254	2.6	96	0.00
82	3,3'-Dichlorobenzidine	0.369	0.369	0.0	100	0.00
83	Chrysene	1.157	1.176	-1.6	107	0.00
84	Bis(2-ethylhexyl)phthalate	0.685	0.667	2.6	95	0.00
85 c	Di-n-octyl phthalate	1.268	1.215	4.2	95	0.00
86 I	Perylene-d12	1.000	1.000	0.0	101	0.00
87	Indeno(1,2,3-cd)pyrene	1.437	1.484	-3.3	103	-0.01
88	Benzo(b)fluoranthene	1.112	1.107	0.4	104	0.00
89	Benzo(k)fluoranthene	1.064	1.049	1.4	98	0.00
90 C	Benzo(a)pyrene	1.032	1.033	-0.1	101	0.00
91	Dibenzo(a,h)anthracene	1.151	1.194	-3.7	103	-0.02
92	Benzo(g,h,i)perylene	1.145	1.178	-2.9	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
Acq On : 20 Aug 2025 22:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2	1,4-Dioxane	40.000	38.239	4.4	95	0.00
3	Pyridine	40.000	38.366	4.1	95	0.00
4	n-Nitrosodimethylamine	40.000	40.483	-1.2	101	-0.01
5 S	2-Fluorophenol	80.000	80.348	-0.4	102	0.00
6	Aniline	40.000	39.899	0.3	100	0.00
7 S	Phenol-d6	80.000	78.917	1.4	100	-0.01
8	2-Chlorophenol	40.000	40.164	-0.4	101	0.00
9	Benzaldehyde	40.000	37.769	5.6	91	0.00
10 C	Phenol	40.000	40.504	-1.3	101	0.00
11	bis(2-Chloroethyl)ether	40.000	39.795	0.5	100	0.00
12	1,3-Dichlorobenzene	40.000	39.304	1.7	99	0.00
13 C	1,4-Dichlorobenzene	40.000	39.733	0.7	101	0.00
14	1,2-Dichlorobenzene	40.000	39.364	1.6	99	0.00
15	Benzyl Alcohol	40.000	40.257	-0.6	99	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.025	-0.1	100	0.00
17	2-Methylphenol	40.000	40.241	-0.6	102	0.00
18	Hexachloroethane	40.000	39.700	0.7	99	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.455	1.4	102	-0.01
20	3+4-Methylphenols	40.000	40.322	-0.8	101	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	100	0.00
22	Acetophenone	40.000	39.285	1.8	102	0.00
23 S	Nitrobenzene-d5	80.000	81.469	-1.8	102	-0.01
24	Nitrobenzene	40.000	40.995	-2.5	102	0.00
25	Isophorone	40.000	40.435	-1.1	102	-0.01
26 C	2-Nitrophenol	40.000	41.873	-4.7	102	0.00
27	2,4-Dimethylphenol	40.000	40.152	-0.4	100	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.898	0.3	100	0.00
29 C	2,4-Dichlorophenol	40.000	40.336	-0.8	101	0.00
30	1,2,4-Trichlorobenzene	40.000	38.930	2.7	99	0.00
31	Naphthalene	40.000	38.863	2.8	99	0.00
32	Benzoic acid	40.000	37.123	7.2	94	-0.03
33	4-Chloroaniline	40.000	40.252	-0.6	100	0.00
34 C	Hexachlorobutadiene	40.000	39.776	0.6	100	0.00
35	Caprolactam	40.000	44.931	-12.3	110	-0.02
36 C	4-Chloro-3-methylphenol	40.000	40.718	-1.8	102	0.00
37	2-Methylnaphthalene	40.000	39.283	1.8	100	0.00
38	1-Methylnaphthalene	40.000	39.442	1.4	100	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.686	3.3	99	0.00
41 P	Hexachlorocyclopentadiene	40.000	33.457	16.4	84	0.00
42 S	2,4,6-Tribromophenol	80.000	79.261	0.9	100	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.426	-1.1	99	0.00
44	2,4,5-Trichlorophenol	40.000	39.194	2.0	100	0.00
45 S	2-Fluorobiphenyl	80.000	75.061	6.2	100	0.00
46	1,1'-Biphenyl	40.000	38.693	3.3	100	0.00
47	2-Chloronaphthalene	40.000	39.533	1.2	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143498.D
Acq On : 20 Aug 2025 22:05
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Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.804	-4.5	103	0.00
49	Acenaphthylene	40.000	39.486	1.3	101	0.00
50	Dimethylphthalate	40.000	40.765	-1.9	104	0.00
51	2,6-Dinitrotoluene	40.000	41.967	-4.9	102	0.00
52 C	Acenaphthene	40.000	39.200	2.0	100	0.00
53	3-Nitroaniline	40.000	42.370	-5.9	104	0.00
54 P	2,4-Dinitrophenol	40.000	32.946	17.6	84	0.00
55	Dibenzofuran	40.000	39.338	1.7	101	0.00
56 P	4-Nitrophenol	40.000	43.335	-8.3	103	0.00
57	2,4-Dinitrotoluene	40.000	42.505	-6.3	102	0.00
58	Fluorene	40.000	38.909	2.7	101	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.458	-3.6	101	0.00
60	Diethylphthalate	40.000	40.873	-2.2	103	0.00
61	4-Chlorophenyl-phenylether	40.000	38.920	2.7	100	0.00
62	4-Nitroaniline	40.000	43.337	-8.3	106	-0.01
63	Azobenzene	40.000	40.670	-1.7	103	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.155	2.1	96	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.990	2.5	101	0.00
67	4-Bromophenyl-phenylether	40.000	39.734	0.7	101	0.00
68	Hexachlorobenzene	40.000	38.425	3.9	99	0.00
69	Atrazine	40.000	44.605	-11.5	113	0.00
70 C	Pentachlorophenol	40.000	40.559	-1.4	99	0.00
71	Phenanthrene	40.000	38.800	3.0	103	0.00
72	Anthracene	40.000	39.041	2.4	101	0.00
73	Carbazole	40.000	39.926	0.2	103	0.00
74	Di-n-butylphthalate	40.000	43.920	-9.8	110	0.00
75 C	Fluoranthene	40.000	40.050	-0.1	105	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	101	0.00
77	Benzydine	40.000	46.044	-15.1	110	0.00
78	Pyrene	40.000	40.485	-1.2	103	0.00
79 S	Terphenyl-d14	80.000	80.326	-0.4	103	0.00
80	Butylbenzylphthalate	40.000	42.677	-6.7	104	0.00
81	Benzo(a)anthracene	40.000	38.965	2.6	96	0.00
82	3,3'-Dichlorobenzidine	40.000	40.076	-0.2	100	0.00
83	Chrysene	40.000	40.656	-1.6	107	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.980	2.6	95	0.00
85 c	Di-n-octyl phthalate	40.000	38.327	4.2	95	0.00
86 I	Perylene-d12	20.000	20.000	0.0	101	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	41.308	-3.3	103	-0.01
88	Benzo(b)fluoranthene	40.000	39.847	0.4	104	0.00
89	Benzo(k)fluoranthene	40.000	39.415	1.5	98	0.00
90 C	Benzo(a)pyrene	40.000	40.037	-0.1	101	0.00
91	Dibenzo(a,h)anthracene	40.000	41.497	-3.7	103	-0.02
92	Benzo(g,h,i)perylene	40.000	41.185	-3.0	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
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Acq On : 20 Aug 2025 22:05
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Sample : SSTDCCC040
Misc :
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Instrument :
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Quant Time: Aug 21 06:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_F Calibration Date/Time: 08/21/2025 06:44
 Lab File ID: BF143516.D Init. Calib. Date(s): 08/20/2025 08/20/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:55 14:20
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.126		-1.7	50.0
Benzaldehyde	1.145	1.296		13.2	50.0
Phenol-d6	1.414	1.374		-2.8	50.0
Phenol	1.629	1.615		-0.9	50.0
bis(2-Chloroethyl)ether	1.217	1.190		-2.2	50.0
2-Chlorophenol	1.265	1.233		-2.5	50.0
2-Methylphenol	1.015	1.006		-0.9	50.0
2,2-oxybis(1-Chloropropane)	1.947	1.881		-3.4	50.0
Acetophenone	0.432	0.422		-2.3	50.0
3+4-Methylphenols	1.212	1.199		-1.1	50.0
n-Nitroso-di-n-propylamine	0.864	0.835	0.050	-3.4	50.0
Nitrobenzene-d5	0.343	0.343		0.0	50.0
Hexachloroethane	0.485	0.476		-1.9	50.0
Nitrobenzene	0.353	0.357		1.1	50.0
Isophorone	0.628	0.628		0.0	50.0
2-Nitrophenol	0.173	0.181		4.6	50.0
2,4-Dimethylphenol	0.269	0.264		-1.9	50.0
bis(2-Chloroethoxy)methane	0.386	0.386		0.0	50.0
2,4-Dichlorophenol	0.288	0.287		-0.3	50.0
Naphthalene	0.960	0.938		-2.3	50.0
4-Chloroaniline	0.341	0.332		-2.6	50.0
Hexachlorobutadiene	0.193	0.193		0.0	50.0
Caprolactam	0.069	0.076		10.1	50.0
4-Chloro-3-methylphenol	0.288	0.291		1.0	50.0
2-Methylnaphthalene	0.641	0.622		-3.0	50.0
Hexachlorocyclopentadiene	0.184	0.166	0.050	-9.8	50.0
2,4,6-Trichlorophenol	0.352	0.350		-0.6	50.0
2-Fluorobiphenyl	1.210	1.163		-3.9	50.0
2,4,5-Trichlorophenol	0.385	0.386		0.3	50.0
1,1-Biphenyl	1.420	1.380		-2.8	50.0
2-Chloronaphthalene	1.114	1.088		-2.3	50.0
2-Nitroaniline	0.326	0.331		1.5	50.0
Dimethylphthalate	1.205	1.222		1.4	50.0
Acenaphthylene	1.595	1.557		-2.4	50.0
2,6-Dinitrotoluene	0.250	0.257		2.8	50.0
3-Nitroaniline	0.270	0.268		-0.7	50.0
Acenaphthene	1.083	1.029		-5.0	50.0
2,4-Dinitrophenol	0.115	0.082	0.050	-28.7	50.0
4-Nitrophenol	0.161	0.153	0.050	-5.0	50.0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_F Calibration Date/Time: 08/21/2025 06:44
 Lab File ID: BF143516.D Init. Calib. Date(s): 08/20/2025 08/20/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:55 14:20
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.502		-2.7	50.0
2,4-Dinitrotoluene	0.333	0.341		2.4	50.0
Diethylphthalate	1.080	1.117		3.4	50.0
4-Chlorophenyl-phenylether	0.594	0.579		-2.5	50.0
Fluorene	1.188	1.137		-4.3	50.0
4-Nitroaniline	0.248	0.245		-1.2	50.0
4,6-Dinitro-2-methylphenol	0.113	0.105		-7.1	50.0
n-Nitrosodiphenylamine	0.644	0.645		0.2	50.0
2,4,6-Tribromophenol	0.186	0.181		-2.7	50.0
4-Bromophenyl-phenylether	0.239	0.246		2.9	50.0
Hexachlorobenzene	0.257	0.258		0.4	50.0
Atrazine	0.166	0.189		13.9	50.0
Pentachlorophenol	0.118	0.112		-5.1	50.0
Phenanthrene	1.071	1.050		-2.0	50.0
Anthracene	1.085	1.062		-2.1	50.0
Carbazole	0.889	0.860		-3.3	50.0
Di-n-butylphthalate	0.829	0.927		11.8	50.0
Fluoranthene	0.961	0.897		-6.7	50.0
Pyrene	1.645	1.474		-10.4	50.0
Terphenyl-d14	1.146	1.057		-7.8	50.0
Butylbenzylphthalate	0.449	0.491		9.4	50.0
3,3-Dichlorobenzidine	0.369	0.392		6.2	50.0
Benzo (a) anthracene	1.288	1.249		-3.0	50.0
Chrysene	1.157	1.160		0.3	50.0
Bis (2-ethylhexyl) phthalate	0.685	0.720		5.1	50.0
Di-n-octyl phthalate	1.268	1.332		5.0	50.0
Benzo (b) fluoranthene	1.112	1.135		2.1	50.0
Benzo (k) fluoranthene	1.064	1.008		-5.3	50.0
Benzo (a) pyrene	1.032	1.036		0.4	50.0
Indeno (1,2,3-cd) pyrene	1.437	1.402		-2.4	50.0
Dibenzo (a,h) anthracene	1.151	1.134		-1.5	50.0
Benzo (g,h,i) perylene	1.145	1.086		-5.2	50.0
1,2,4,5-Tetrachlorobenzene	0.572	0.565		-1.2	50.0
1,4-Dioxane	0.531	0.534		0.6	50.0
2,3,4,6-Tetrachlorophenol	0.286	0.286		0.0	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137454	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	510568	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	274867	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	405205	20.000	ng	0.00
76) Chrysene-d12	14.098	240	245385	20.000	ng	0.00
86) Perylene-d12	15.592	264	295910	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	619031	78.639	ng	0.00
7) Phenol-d6	6.563	99	755494	77.747	ng	-0.01
23) Nitrobenzene-d5	7.487	82	701155	80.138	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	199460	77.956	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1278754	76.887	ng	0.00
79) Terphenyl-d14	13.033	244	1037790	73.802	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.734	88	146835	40.266	ng	99
3) Pyridine	3.516	79	391326	40.291	ng	99
4) n-Nitrosodimethylamine	3.457	42	174889	40.055	ng	99
6) Aniline	6.593	93	504423	38.836	ng	99
8) 2-Chlorophenol	6.716	128	339008	38.991	ng	99
9) Benzaldehyde	6.481	77	356360	45.296	ng	99
10) Phenol	6.581	94	443936	39.657	ng	97
11) bis(2-Chloroethyl)ether	6.657	93	327175	39.111	ng	100
12) 1,3-Dichlorobenzene	6.869	146	382483	39.153	ng	99
13) 1,4-Dichlorobenzene	6.945	146	380754	38.855	ng	99
14) 1,2-Dichlorobenzene	7.098	146	361970	39.014	ng	100
15) Benzyl Alcohol	7.069	79	291861	40.117	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	517064	38.635	ng	99
17) 2-Methylphenol	7.181	107	276576	39.635	ng	96
18) Hexachloroethane	7.440	117	130737	39.240	ng	96
19) n-Nitroso-di-n-propyla...	7.340	70	229547	38.648	ng	100
20) 3+4-Methylphenols	7.334	107	329524	39.557	ng	99
22) Acetophenone	7.334	105	431226	39.094	ng	100
24) Nitrobenzene	7.510	77	364218	40.446	ng	98
25) Isophorone	7.745	82	641626	40.006	ng	99
26) 2-Nitrophenol	7.822	139	185319	42.012	ng	96
27) 2,4-Dimethylphenol	7.863	122	269222	39.152	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	393788	39.952	ng	100
29) 2,4-Dichlorophenol	8.069	162	293101	39.911	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	300378	39.782	ng	99
31) Naphthalene	8.234	128	958228	39.092	ng	100
32) Benzoic acid	7.981	122	141499	37.591	ng	98
33) 4-Chloroaniline	8.275	127	339182	38.986	ng	98
34) Hexachlorobutadiene	8.351	225	196894	39.969	ng	100
35) Caprolactam	8.651	113	77185	43.799	ng	98
36) 4-Chloro-3-methylphenol	8.763	107	297282	40.394	ng	98
37) 2-Methylnaphthalene	8.922	142	635344	38.808	ng	100
38) 1-Methylnaphthalene	9.022	142	605817	38.685	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	310596	39.505	ng	99
41) Hexachlorocyclopentadiene	9.081	237	91199	33.894	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	192667	39.825	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

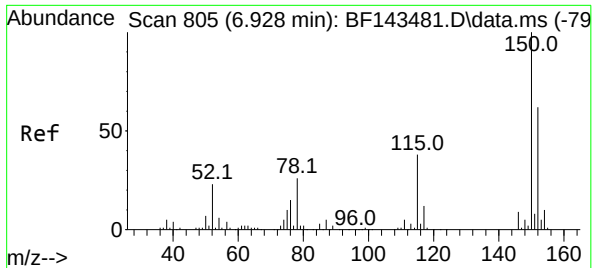
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	212240	40.163	ng	98
46) 1,1'-Biphenyl	9.386	154	758507	38.879	ng	99
47) 2-Chloronaphthalene	9.410	162	597936	39.061	ng	98
48) 2-Nitroaniline	9.504	65	182065	40.640	ng	98
49) Acenaphthylene	9.828	152	856096	39.059	ng	100
50) Dimethylphthalate	9.675	163	671826	40.583	ng	100
51) 2,6-Dinitrotoluene	9.745	165	141216	41.159	ng	99
52) Acenaphthene	9.998	154	565670	38.011	ng	99
53) 3-Nitroaniline	9.916	138	147101	39.678	ng	99
54) 2,4-Dinitrophenol	10.022	184	44950	28.170	ng	89
55) Dibenzofuran	10.169	168	825740	38.919	ng	98
56) 4-Nitrophenol	10.081	139	84274	38.203	ng	94
57) 2,4-Dinitrotoluene	10.151	165	187283	40.880	ng	99
58) Fluorene	10.516	166	625227	38.288	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	157108	40.017	ng	100
60) Diethylphthalate	10.381	149	613793	41.355	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	318396	38.987	ng	99
62) 4-Nitroaniline	10.528	138	134532	39.506	ng	97
63) Azobenzene	10.663	77	602578	39.155	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	85050	37.226	ng	98
66) n-Nitrosodiphenylamine	10.622	169	522417	40.062	ng	98
67) 4-Bromophenyl-phenylether	10.992	248	198971	41.154	ng	97
68) Hexachlorobenzene	11.069	284	209043	40.112	ng	100
69) Atrazine	11.145	200	153390	45.568	ng	99
70) Pentachlorophenol	11.263	266	90936	38.100	ng	100
71) Phenanthrene	11.480	178	851106	39.223	ng	99
72) Anthracene	11.528	178	860520	39.146	ng	99
73) Carbazole	11.680	167	697205	38.707	ng	99
74) Di-n-butylphthalate	12.010	149	751456	44.721	ng	100
75) Fluoranthene	12.669	202	726991	37.338	ng	99
77) Benzidine	12.786	184	233194	39.014	ng	99
78) Pyrene	12.898	202	723572	35.848	ng	100
80) Butylbenzylphthalate	13.504	149	241048	43.715	ng	97
81) Benzo(a)anthracene	14.086	228	612793	38.789	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	192601	42.571	ng	99
83) Chrysene	14.121	228	569457	40.110	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	353573	42.100	ng	100
85) Di-n-octyl phthalate	14.680	149	653491	42.003	ng	100
87) Indeno(1,2,3-cd)pyrene	17.127	276	829688	39.018	ng	100
88) Benzo(b)fluoranthene	15.151	252	671954	40.852	ng	99
89) Benzo(k)fluoranthene	15.180	252	596771	37.893	ng	100
90) Benzo(a)pyrene	15.533	252	613387	40.175	ng	100
91) Dibenzo(a,h)anthracene	17.139	278	670989	39.400	ng	99
92) Benzo(g,h,i)perylene	17.586	276	642548	37.945	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

- 1
- 2
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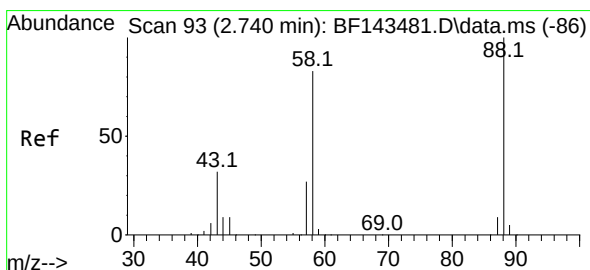
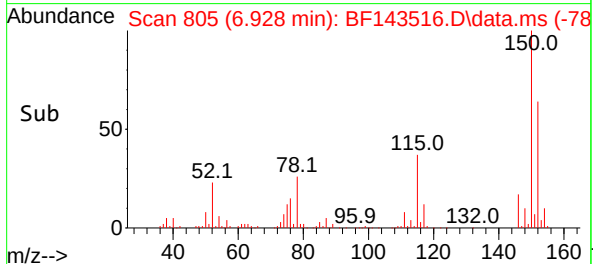
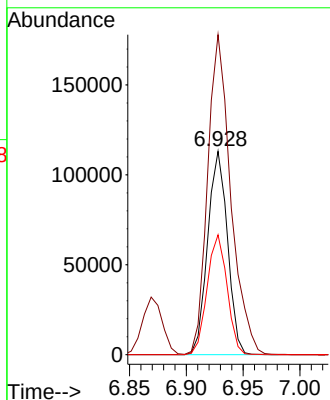
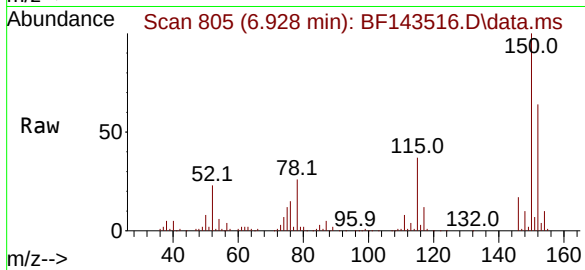




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

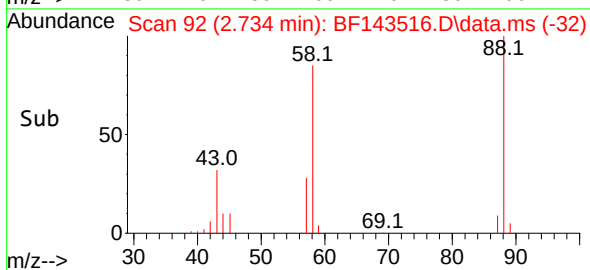
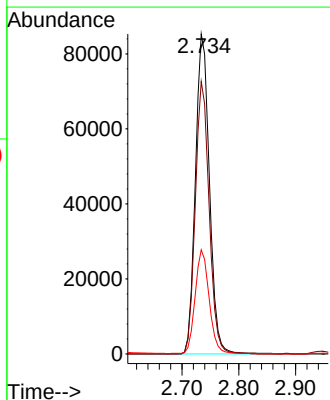
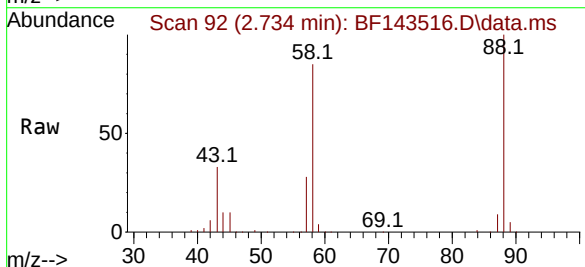
Instrument :
BNA_F
ClientSampleId :
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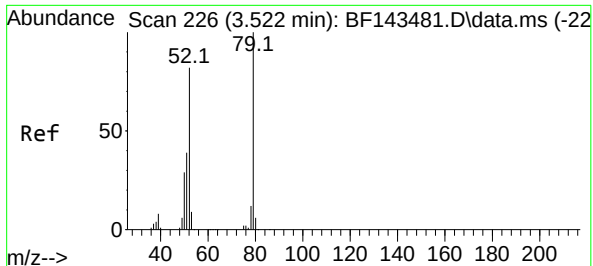
Tgt Ion:152 Resp: 137454
Ion Ratio Lower Upper
152 100
150 157.3 128.9 193.3
115 58.9 49.2 73.8



#2
1,4-Dioxane
Concen: 40.266 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

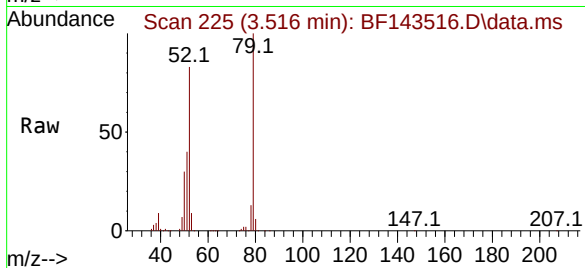
Tgt Ion: 88 Resp: 146835
Ion Ratio Lower Upper
88 100
58 84.0 66.7 100.1
43 32.9 25.8 38.8



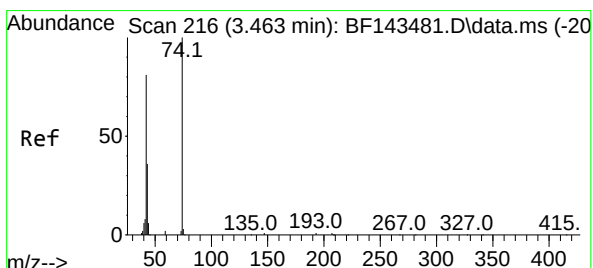
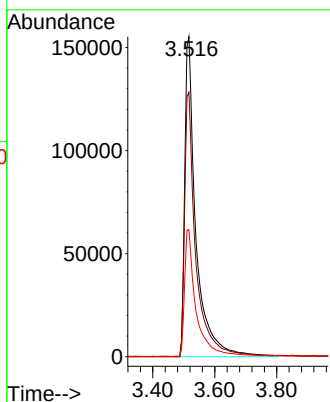
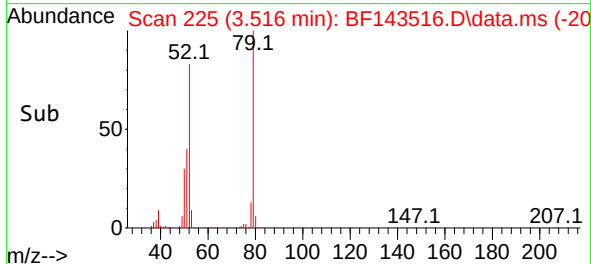


#3
Pyridine
Concen: 40.291 ng
RT: 3.516 min Scan# 215
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

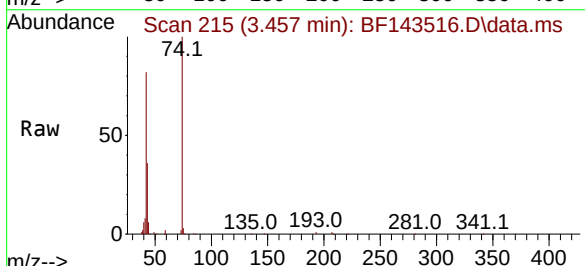
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



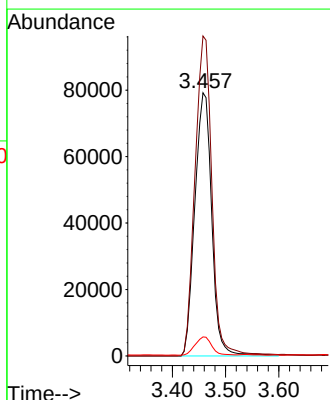
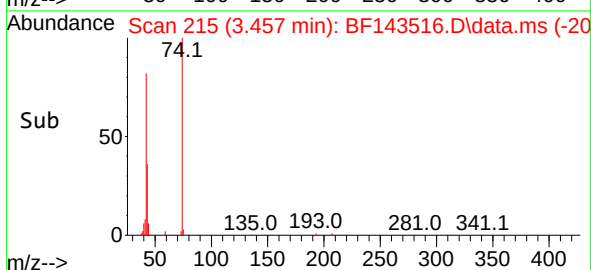
Tgt Ion: 79 Resp: 391326
Ion Ratio Lower Upper
79 100
52 82.7 65.6 98.4
51 39.7 31.2 46.8

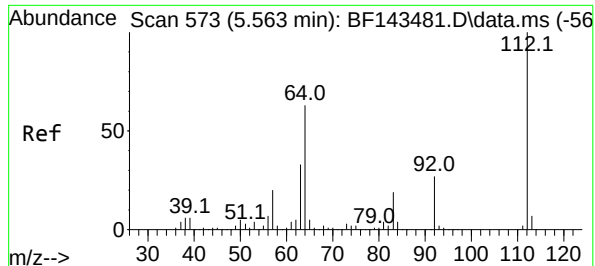


#4
n-Nitrosodimethylamine
Concen: 40.055 ng
RT: 3.457 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44



Tgt Ion: 42 Resp: 174889
Ion Ratio Lower Upper
42 100
74 121.6 98.6 148.0
44 7.2 5.8 8.8

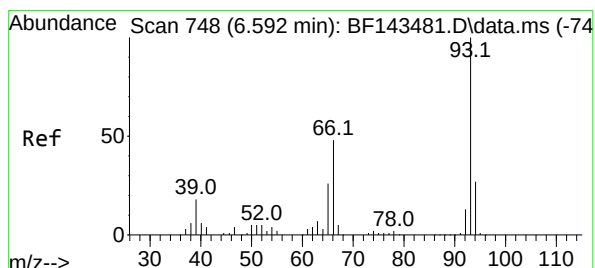
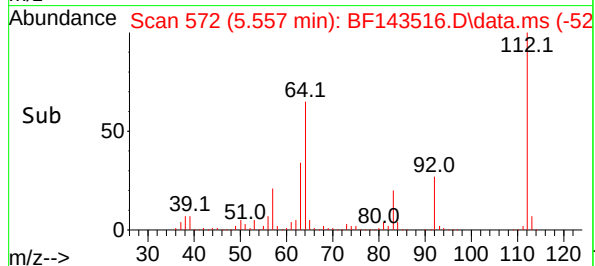
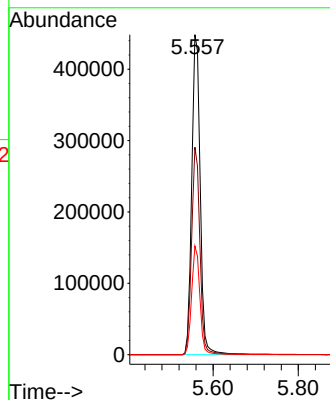
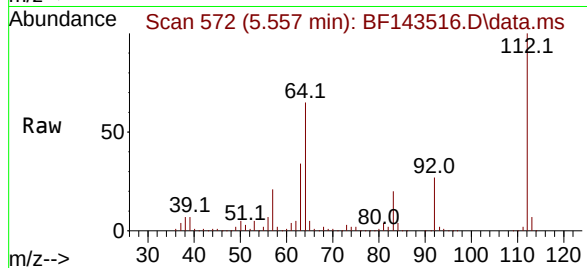




#5
2-Fluorophenol
Concen: 78.639 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

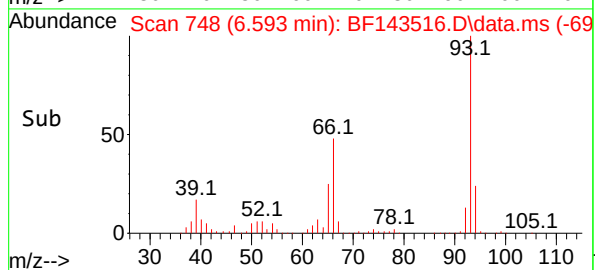
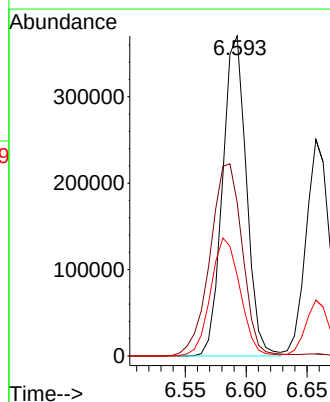
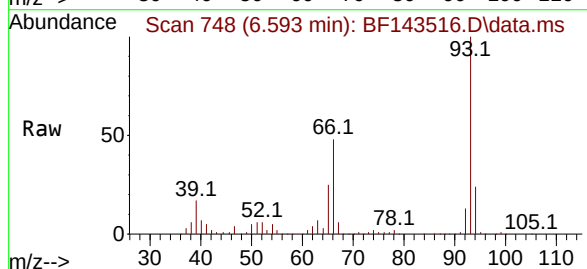
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BNA_F
ClientSampleId :
SSTDCCC040EC

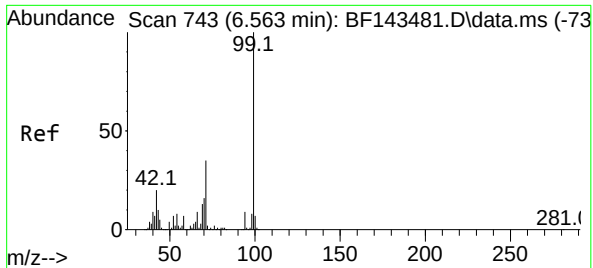
Tgt Ion:112 Resp: 619031
Ion Ratio Lower Upper
112 100
64 64.8 50.4 75.6
63 34.0 26.4 39.6



#6
Aniline
Concen: 38.836 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 93 Resp: 504423
Ion Ratio Lower Upper
93 100
66 48.0 38.9 58.3
65 25.2 20.6 30.8

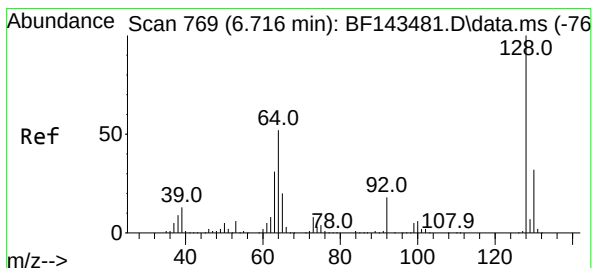
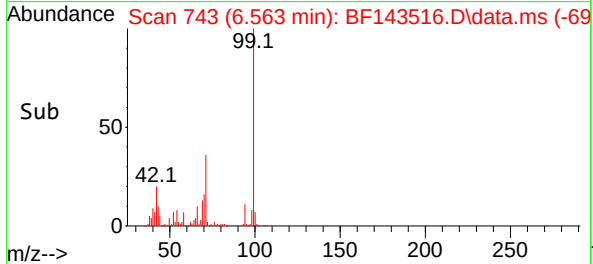
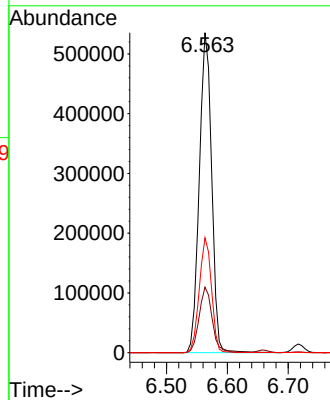
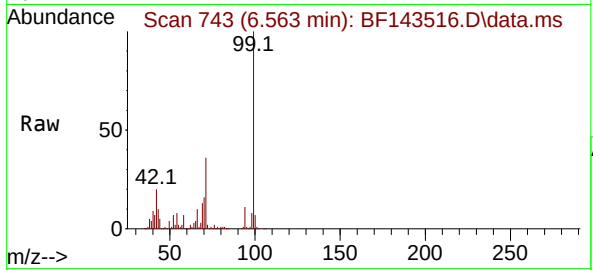




#7
Phenol-d6
Concen: 77.747 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

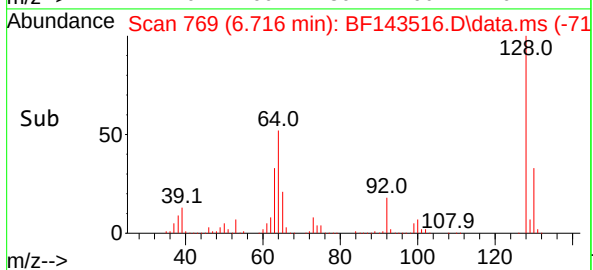
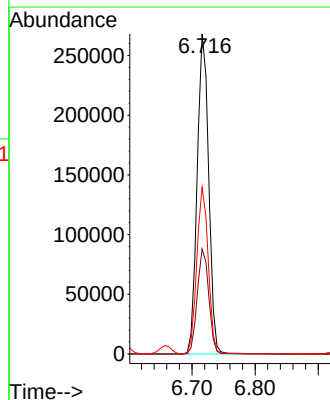
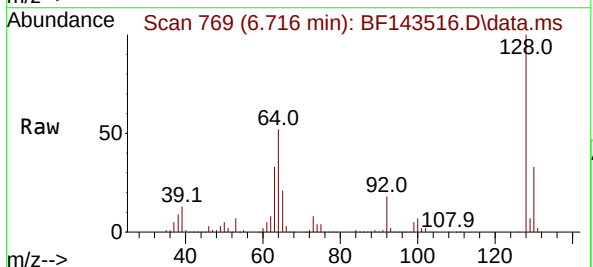
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

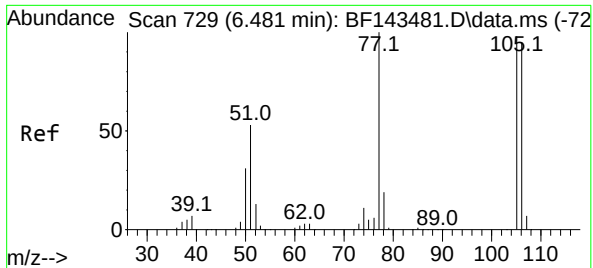
Tgt Ion: 99 Resp: 755494
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 35.9 28.2 42.2



#8
2-Chlorophenol
Concen: 38.991 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 128 Resp: 339008
Ion Ratio Lower Upper
128 100
130 32.8 12.4 52.4
64 52.2 31.6 71.6

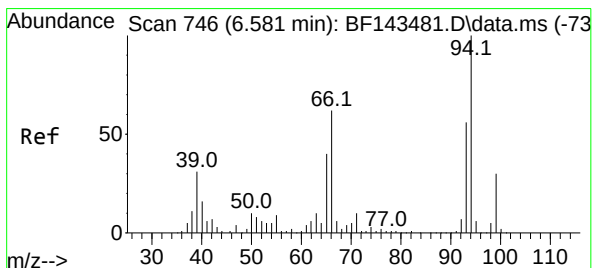
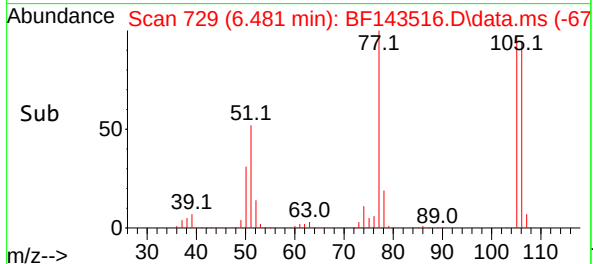
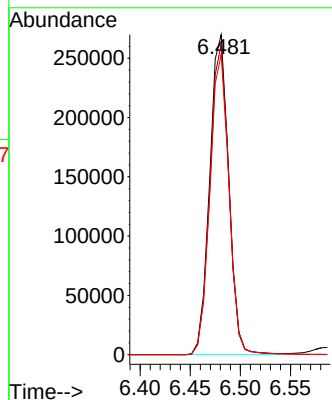
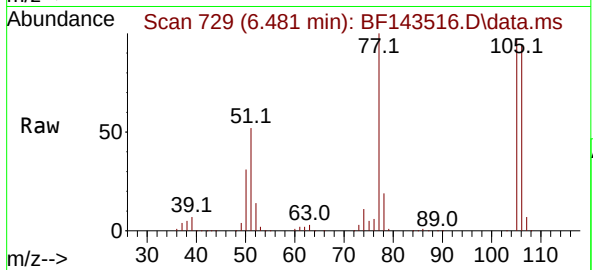




#9
Benzaldehyde
Concen: 45.296 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

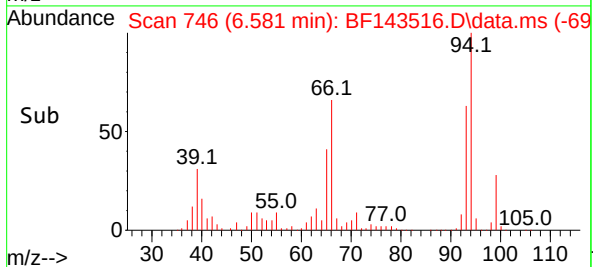
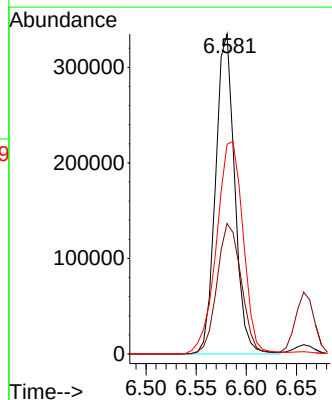
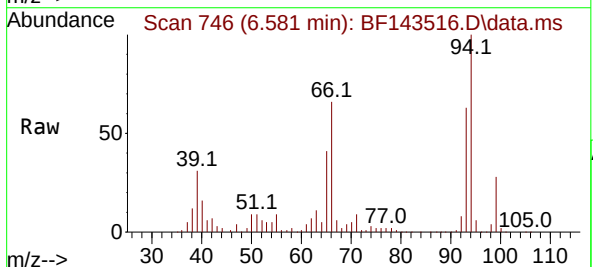
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

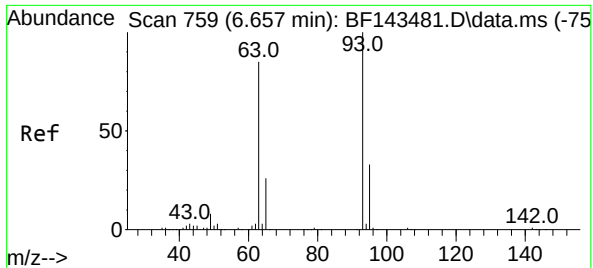
Tgt Ion: 77 Resp: 356360
Ion Ratio Lower Upper
77 100
105 96.9 78.1 118.1
106 93.8 74.9 114.9



#10
Phenol
Concen: 39.657 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 94 Resp: 443936
Ion Ratio Lower Upper
94 100
65 40.8 19.5 59.5
66 65.5 42.5 82.5

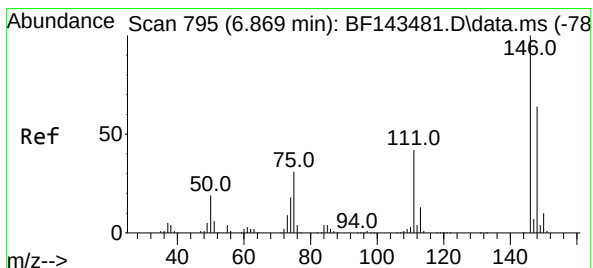
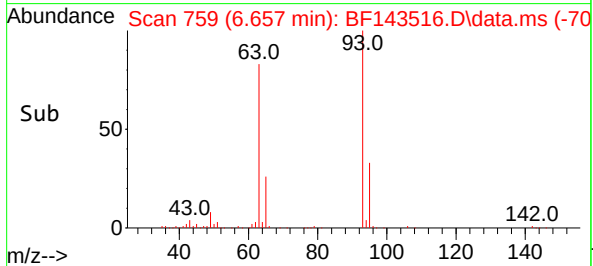
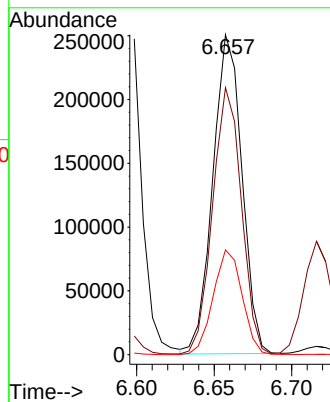
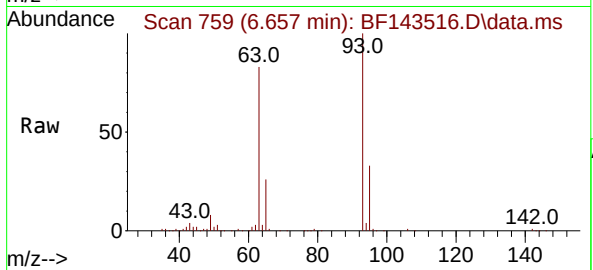




#11
bis(2-Chloroethyl)ether
Concen: 39.111 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

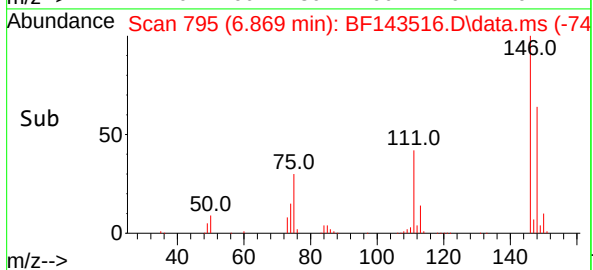
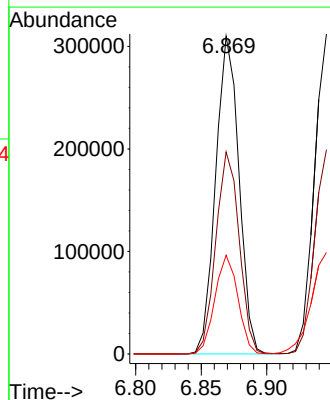
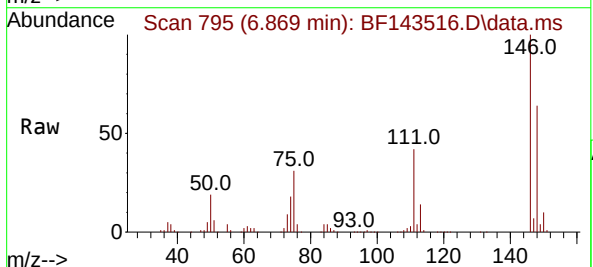
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

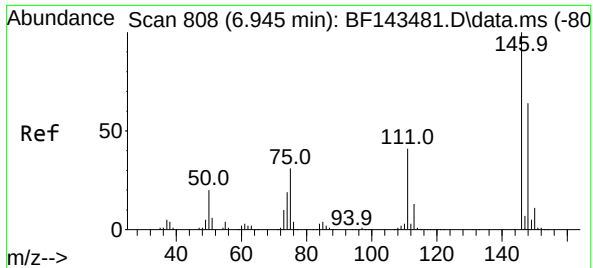
Tgt Ion: 93 Resp: 327175
Ion Ratio Lower Upper
93 100
63 83.5 63.6 103.6
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 39.153 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 146 Resp: 382483
Ion Ratio Lower Upper
146 100
148 63.6 51.3 76.9
75 31.1 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 38.855 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

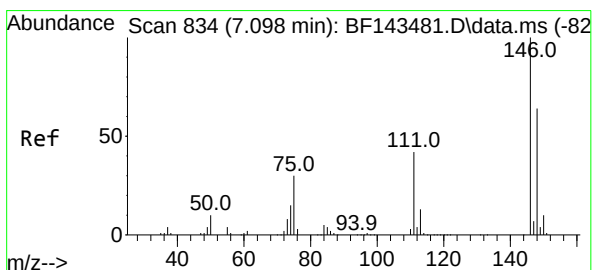
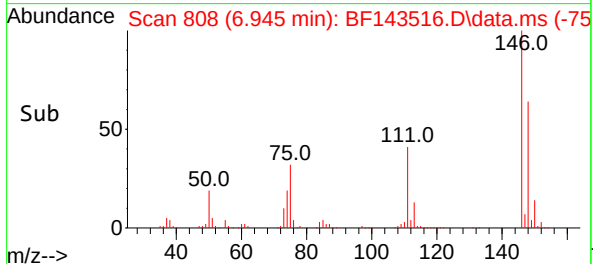
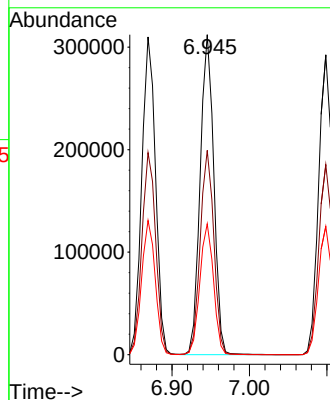
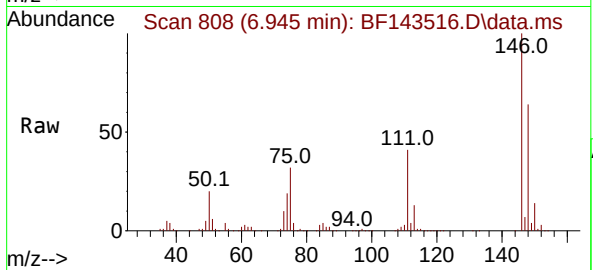
Tgt Ion:146 Resp: 380754

Ion Ratio Lower Upper

146 100

148 63.8 51.5 77.3

111 40.9 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 39.014 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

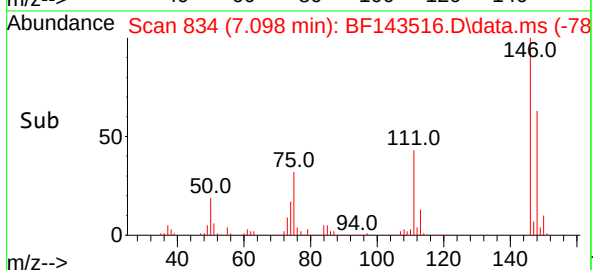
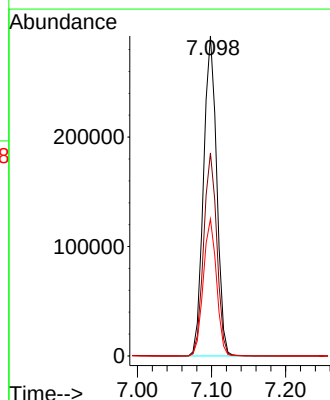
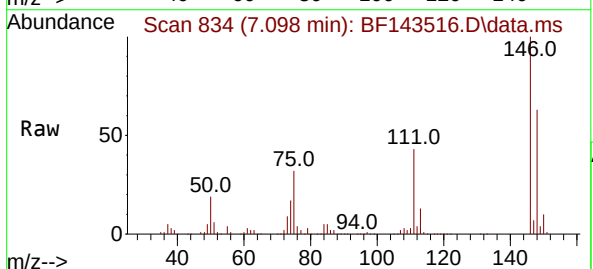
Tgt Ion:146 Resp: 361970

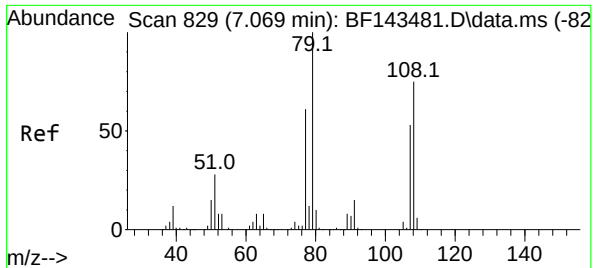
Ion Ratio Lower Upper

146 100

148 63.4 51.0 76.6

111 42.8 34.0 51.0





#15

Benzyl Alcohol

Concen: 40.117 ng

RT: 7.069 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

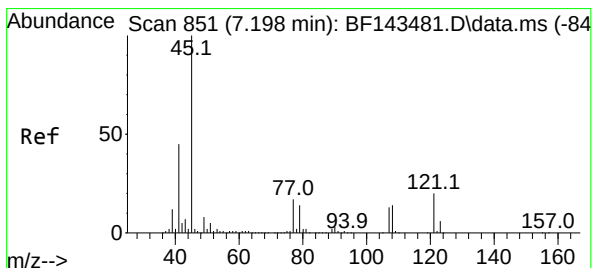
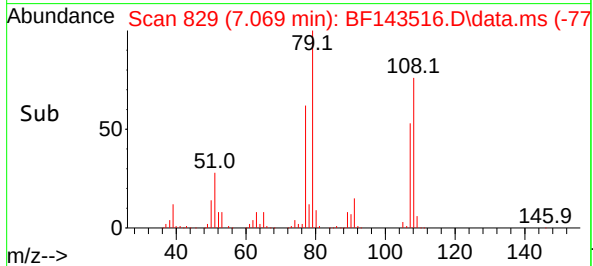
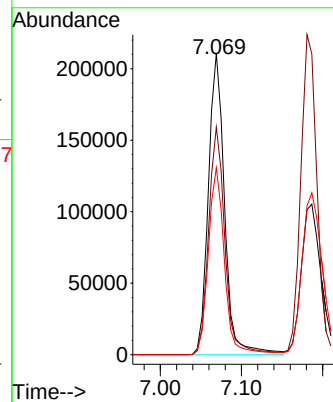
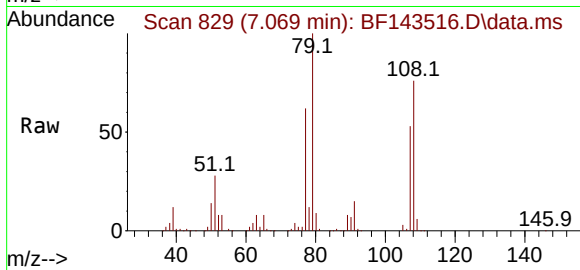
Tgt Ion: 79 Resp: 291861

Ion Ratio Lower Upper

79 100

108 75.5 59.8 89.6

77 62.0 49.0 73.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.635 ng

RT: 7.198 min Scan# 851

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

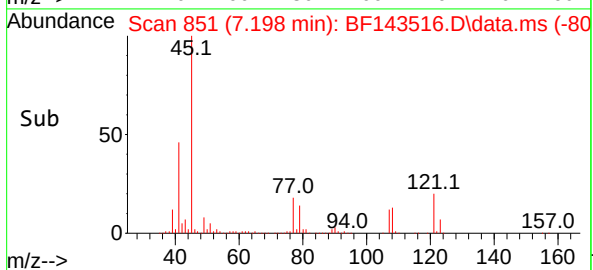
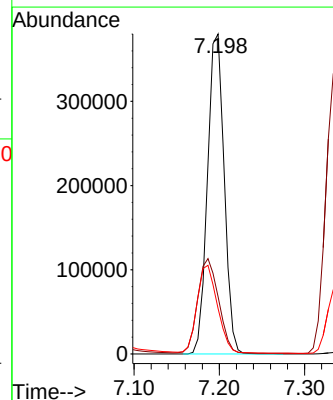
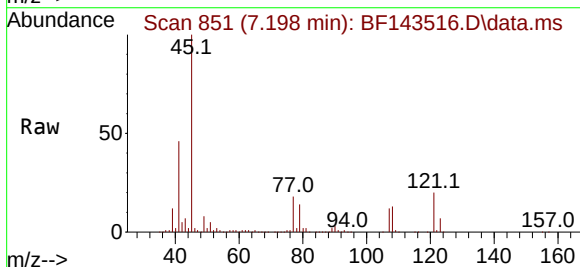
Tgt Ion: 45 Resp: 517064

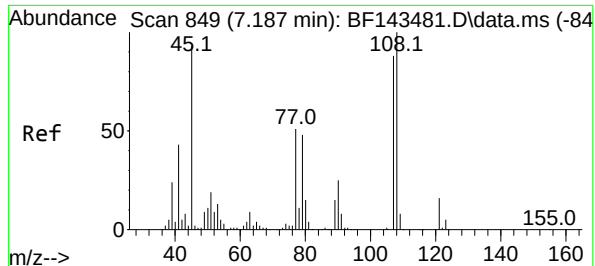
Ion Ratio Lower Upper

45 100

77 17.9 0.0 37.9

79 14.2 0.0 34.7





#17

2-Methylphenol

Concen: 39.635 ng

RT: 7.181 min Scan# 849

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:107 Resp: 276576

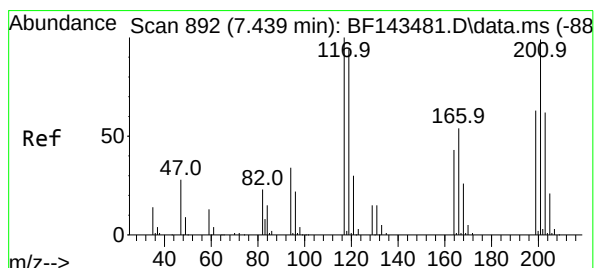
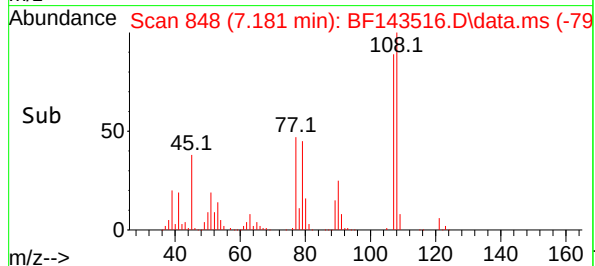
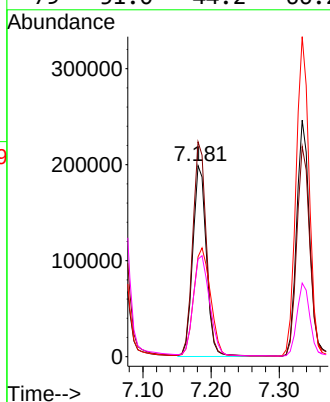
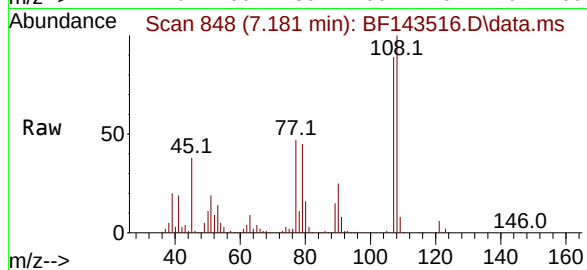
Ion Ratio Lower Upper

107 100

108 112.5 91.1 136.7

77 52.3 46.2 69.4

79 51.0 44.2 66.2



#18

Hexachloroethane

Concen: 39.240 ng

RT: 7.440 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

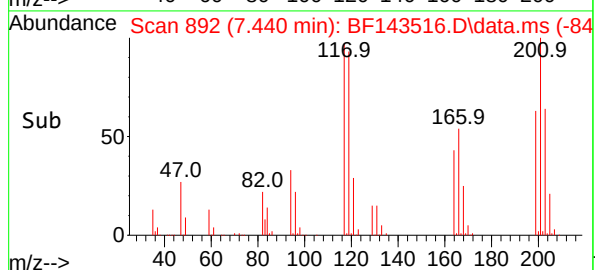
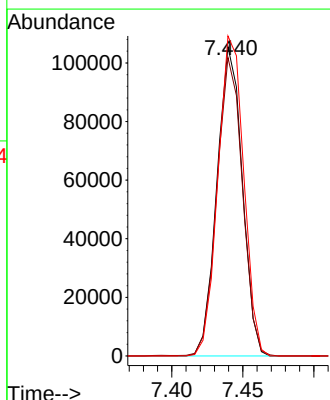
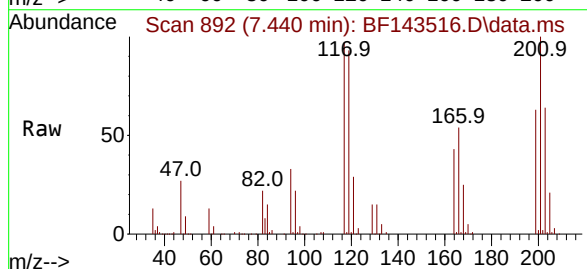
Tgt Ion:117 Resp: 130737

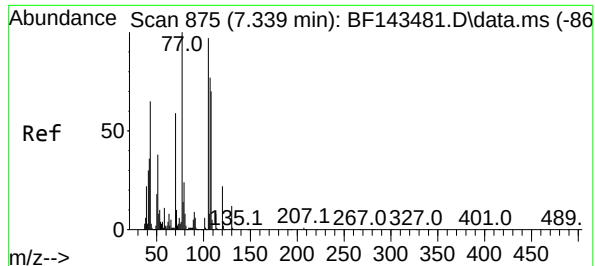
Ion Ratio Lower Upper

117 100

119 96.5 75.4 113.0

201 103.5 79.0 118.4





#19

n-Nitroso-di-n-propylamine

Concen: 38.648 ng

RT: 7.340 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 70 Resp: 229547

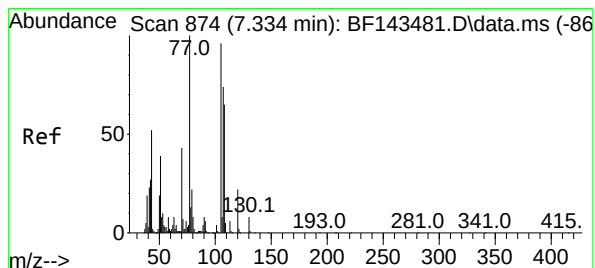
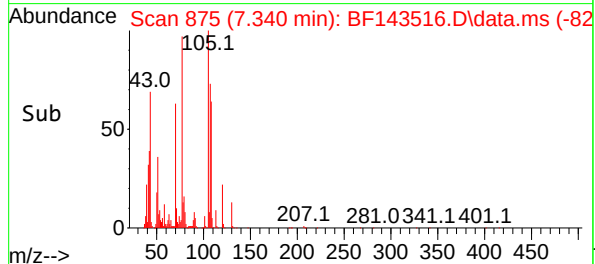
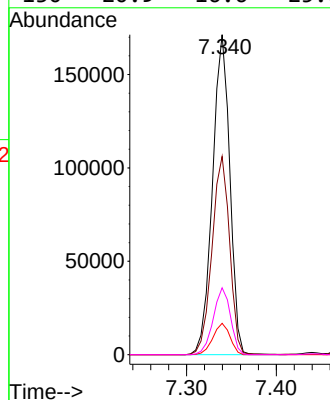
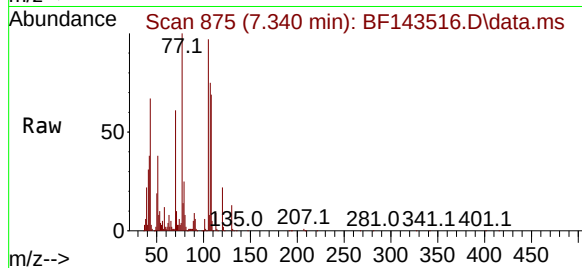
Ion Ratio Lower Upper

70 100

42 61.9 49.3 73.9

101 9.8 7.8 11.8

130 20.9 16.6 25.0



#20

3+4-Methylphenols

Concen: 39.557 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Tgt Ion: 107 Resp: 329524

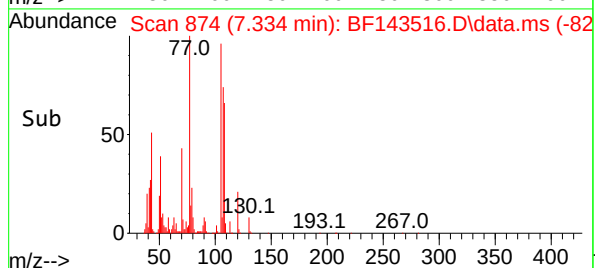
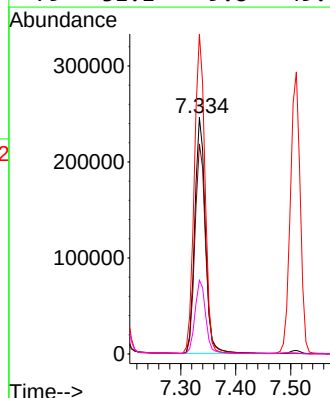
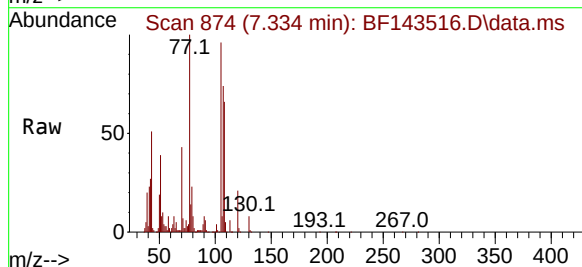
Ion Ratio Lower Upper

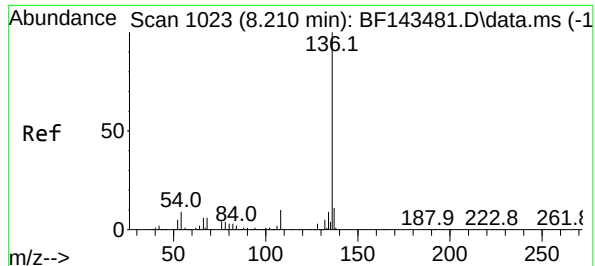
107 100

108 88.8 68.4 108.4

77 135.3 116.1 156.1

79 31.1 9.8 49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF143516.D

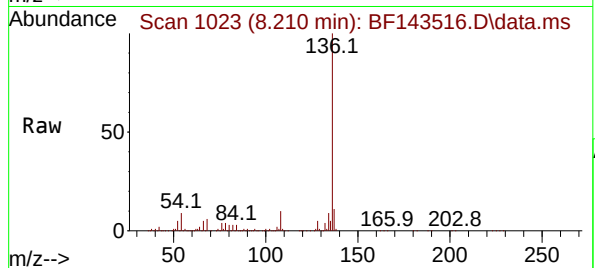
Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion:136 Resp: 510568

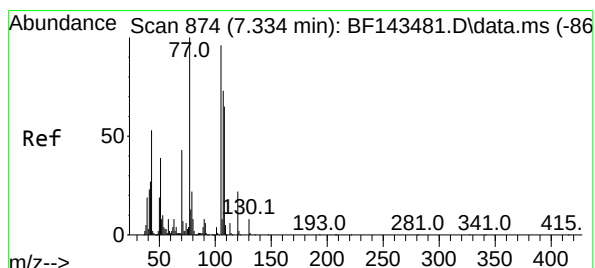
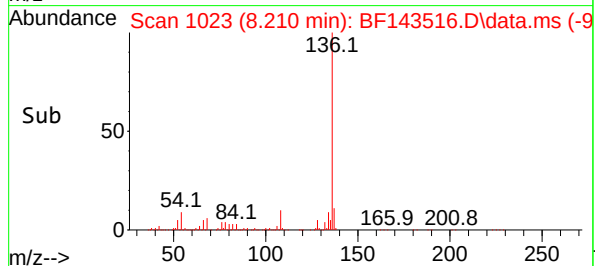
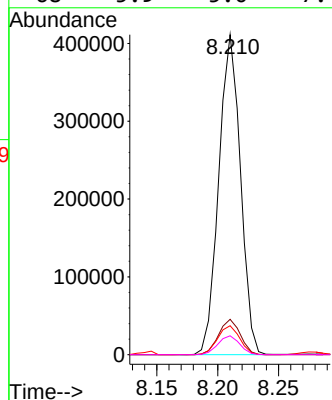
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 9.1 7.4 11.2

68 5.9 5.0 7.4



#22

Acetophenone

Concen: 39.094 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Tgt Ion:105 Resp: 431226

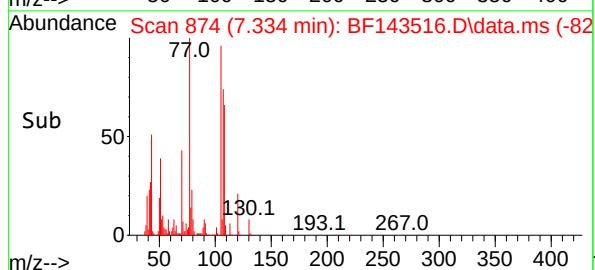
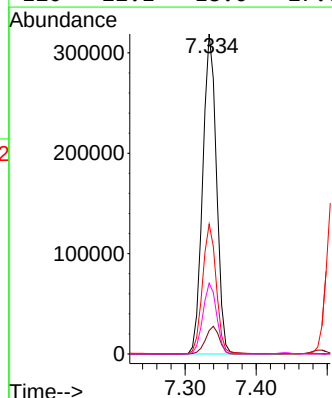
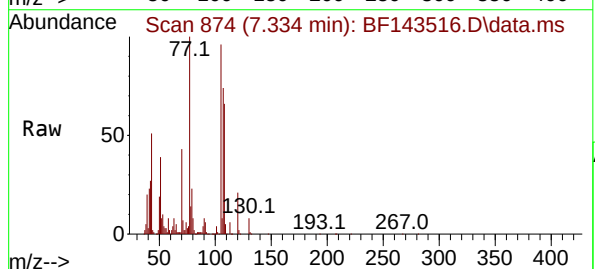
Ion Ratio Lower Upper

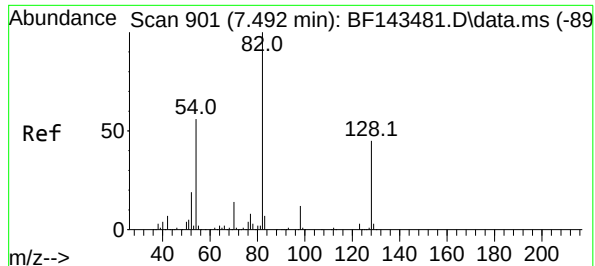
105 100

71 7.3 5.9 8.9

51 40.6 32.5 48.7

120 22.1 18.0 27.0





#23

Nitrobenzene-d5

Concen: 80.138 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

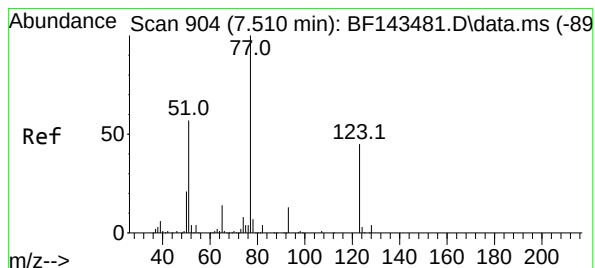
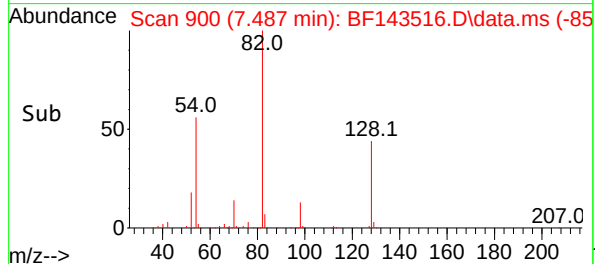
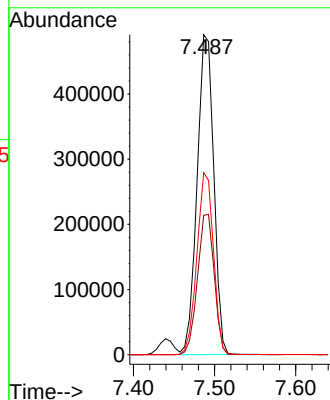
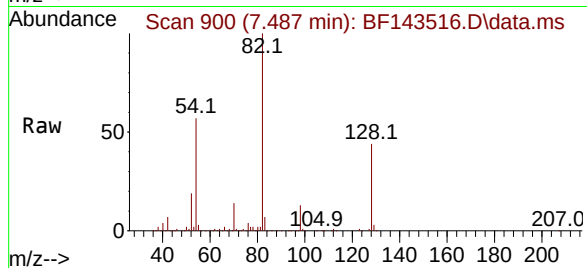
Tgt Ion: 82 Resp: 701155

Ion Ratio Lower Upper

82 100

128 43.5 35.5 53.3

54 56.9 44.3 66.5



#24

Nitrobenzene

Concen: 40.446 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

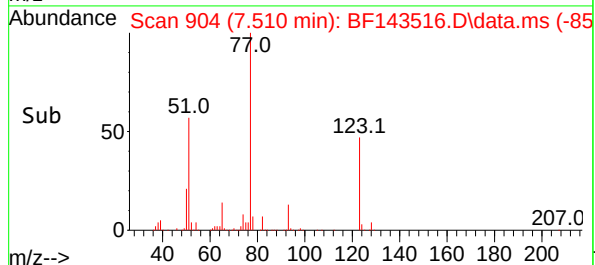
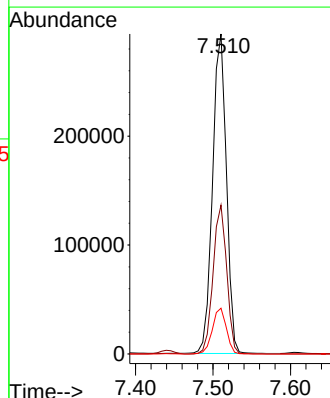
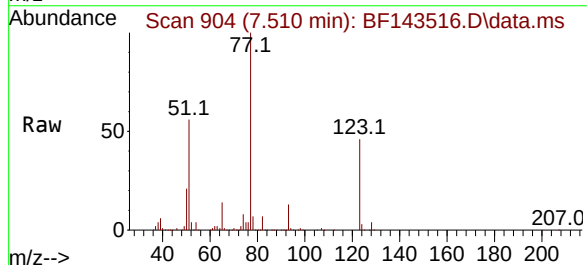
Tgt Ion: 77 Resp: 364218

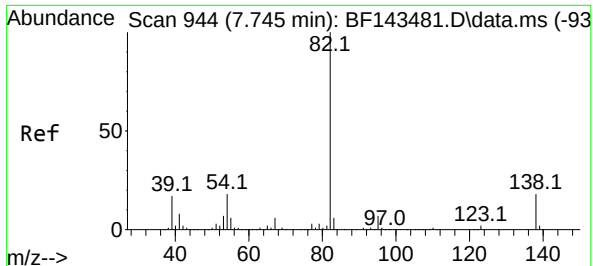
Ion Ratio Lower Upper

77 100

123 46.5 36.1 54.1

65 14.3 11.0 16.6

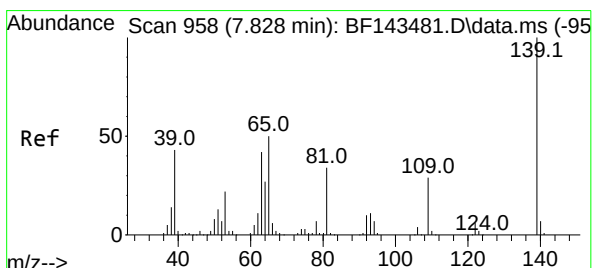
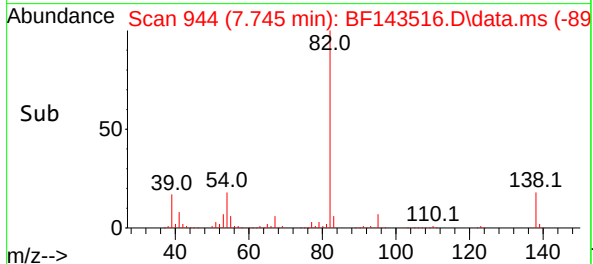
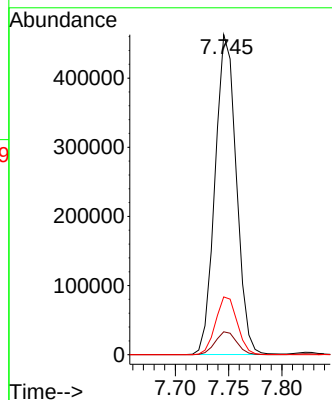
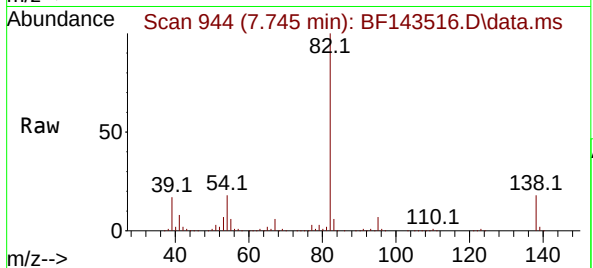




#25
Isophorone
Concen: 40.006 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

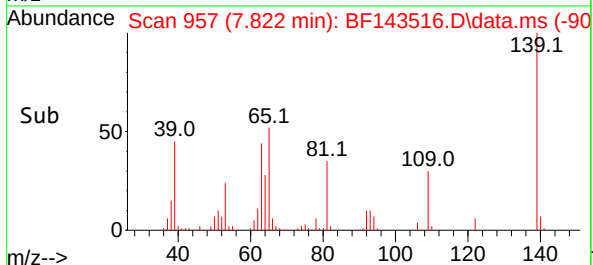
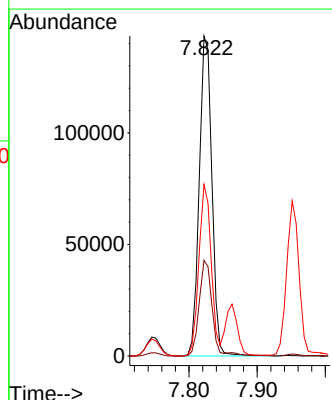
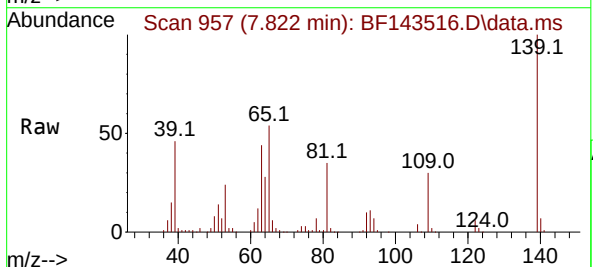
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

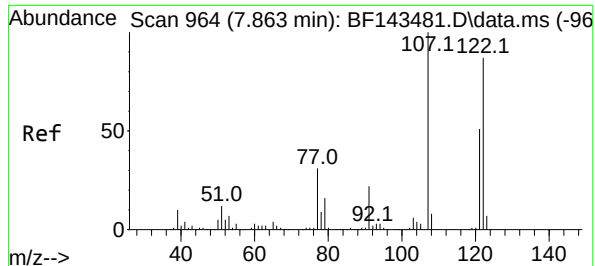
Tgt Ion: 82 Resp: 641626
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.8
138 18.0 14.2 21.4



#26
2-Nitrophenol
Concen: 42.012 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 139 Resp: 185319
Ion Ratio Lower Upper
139 100
109 29.9 23.0 34.6
65 53.6 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 39.152 ng

RT: 7.863 min Scan# 9

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

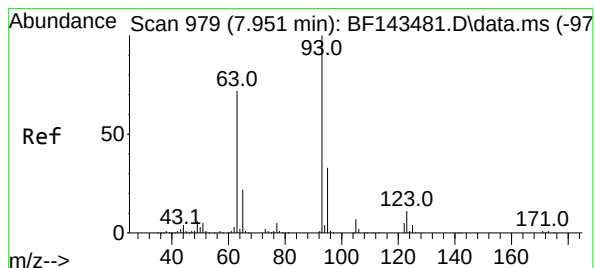
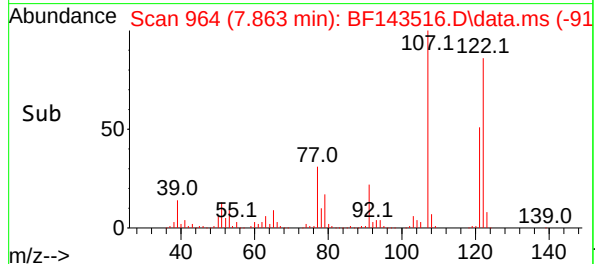
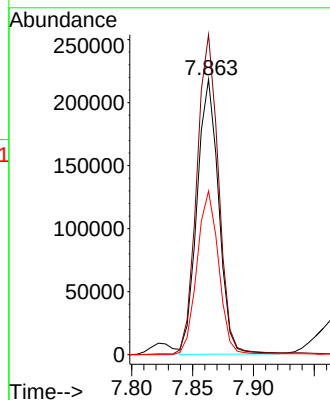
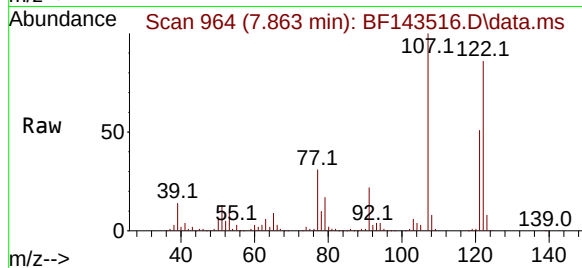
Tgt Ion:122 Resp: 269222

Ion Ratio Lower Upper

122 100

107 116.2 91.5 137.3

121 59.5 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.952 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

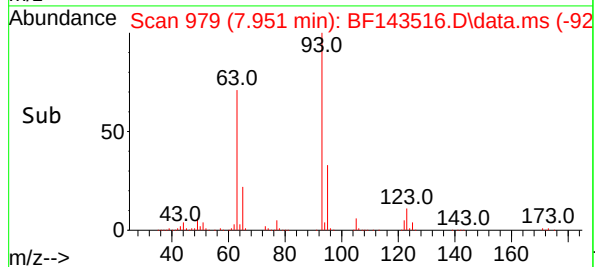
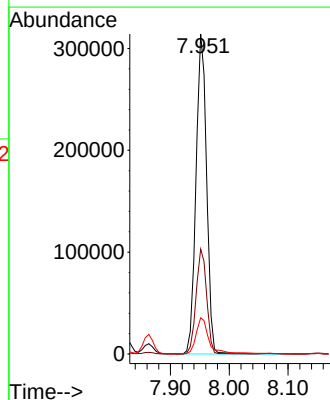
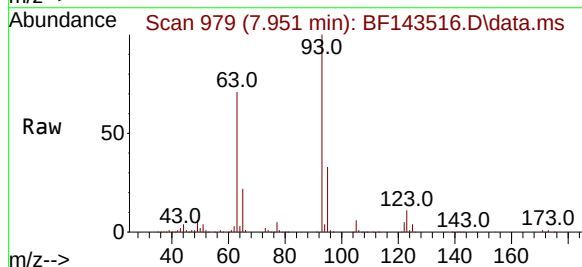
Tgt Ion: 93 Resp: 393788

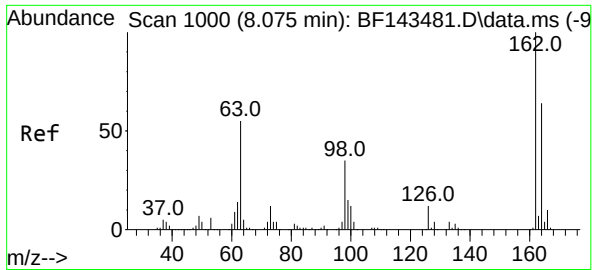
Ion Ratio Lower Upper

93 100

95 32.8 26.0 39.0

123 11.3 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 39.911 ng

RT: 8.069 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

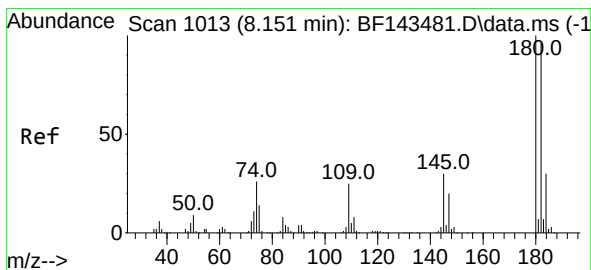
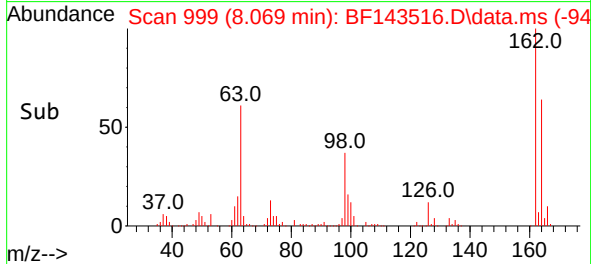
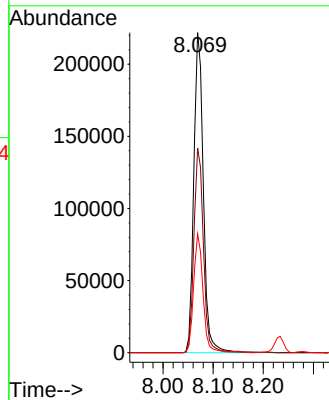
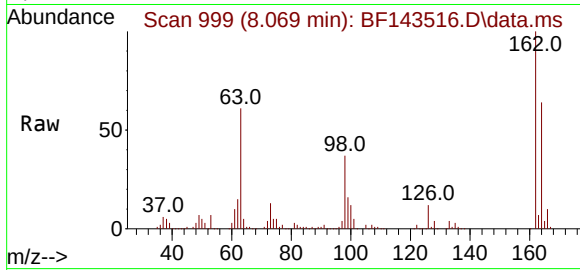
Tgt Ion:162 Resp: 293101

Ion Ratio Lower Upper

162 100

164 63.9 43.5 83.5

98 37.2 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 39.782 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

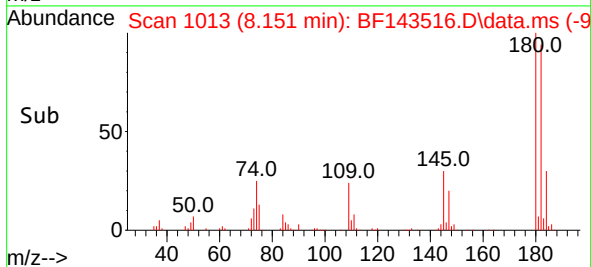
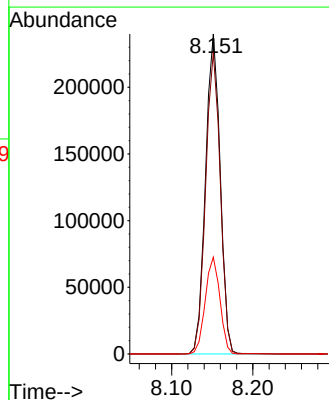
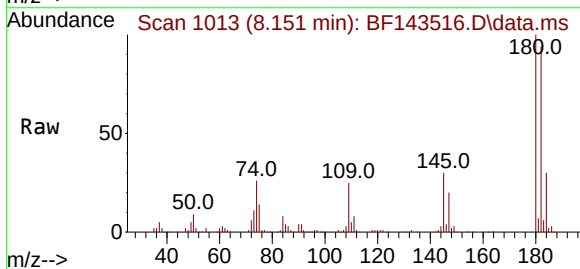
Tgt Ion:180 Resp: 300378

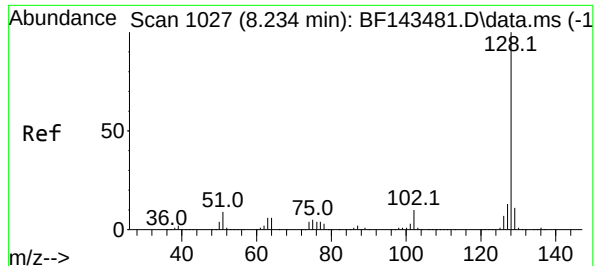
Ion Ratio Lower Upper

180 100

182 94.3 76.6 114.8

145 30.3 24.3 36.5





#31

Naphthalene

Concen: 39.092 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

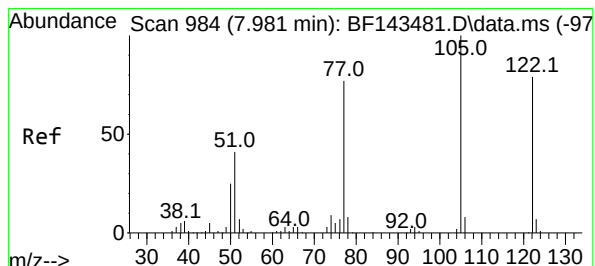
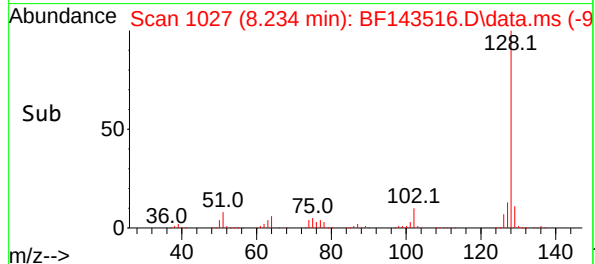
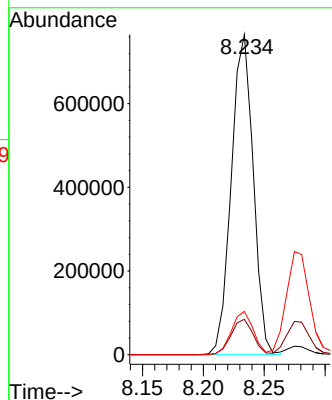
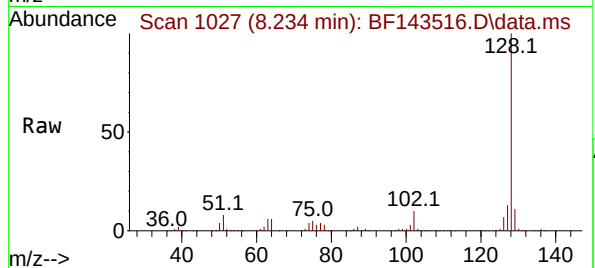
Tgt Ion:128 Resp: 958228

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.5 10.6 16.0



#32

Benzoic acid

Concen: 37.591 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.029 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

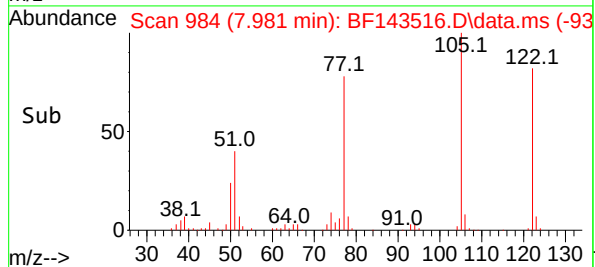
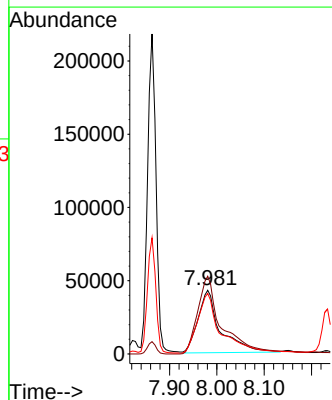
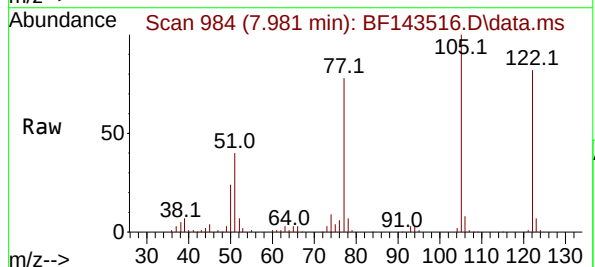
Tgt Ion:122 Resp: 141499

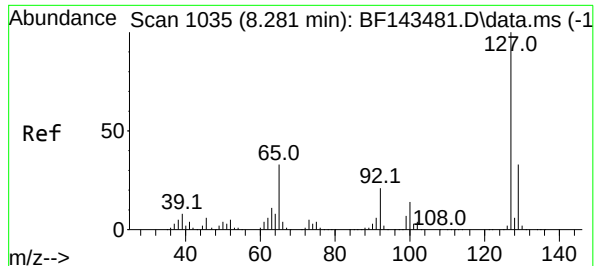
Ion Ratio Lower Upper

122 100

105 122.1 104.7 144.7

77 94.9 77.3 117.3





#33

4-Chloroaniline

Concen: 38.986 ng

RT: 8.275 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:127 Resp: 339182

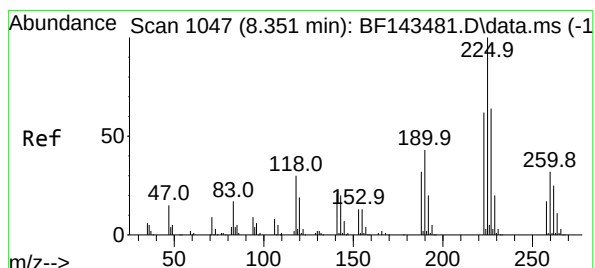
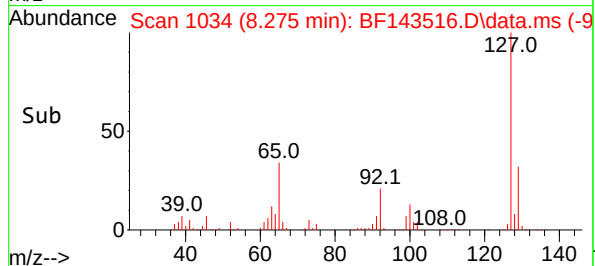
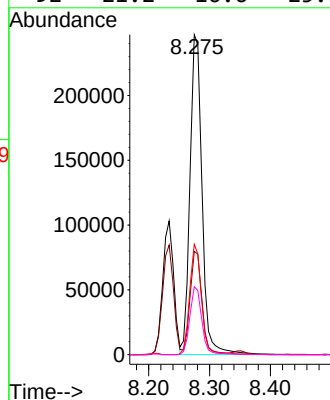
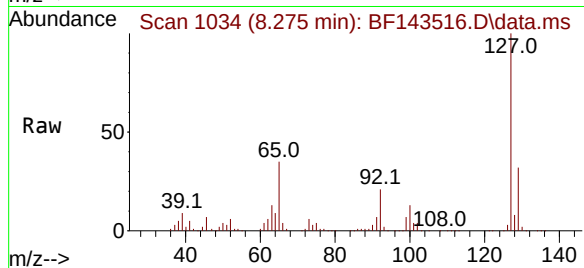
Ion Ratio Lower Upper

127 100

129 32.3 26.1 39.1

65 34.5 26.2 39.2

92 21.2 16.6 25.0



#34

Hexachlorobutadiene

Concen: 39.969 ng

RT: 8.351 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

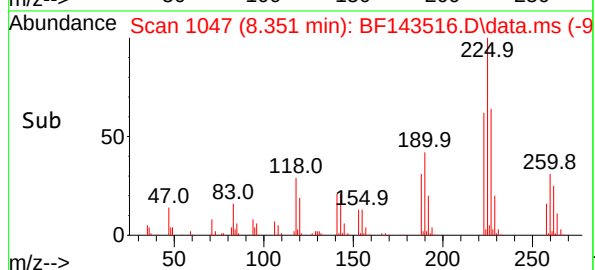
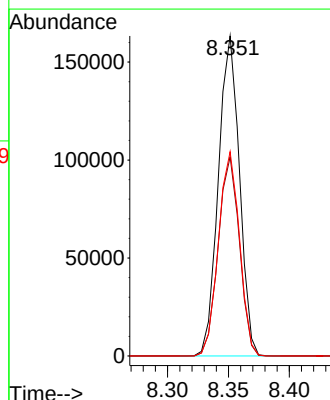
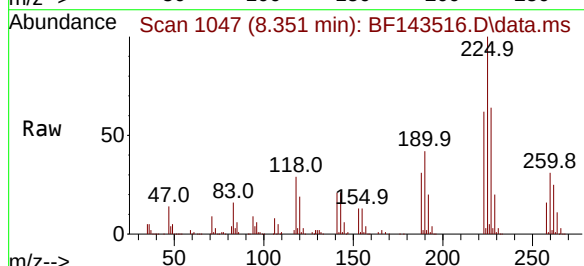
Tgt Ion:225 Resp: 196894

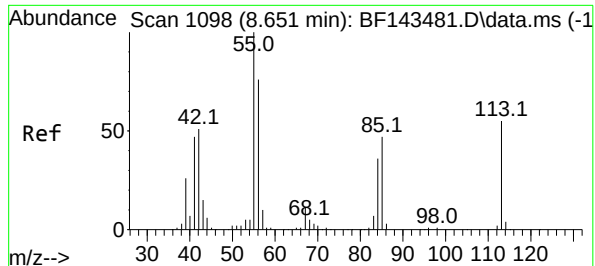
Ion Ratio Lower Upper

225 100

223 62.2 49.9 74.9

227 63.8 50.9 76.3





#35

Caprolactam

Concen: 43.799 ng

RT: 8.651 min Scan# 1098

Delta R.T. -0.023 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

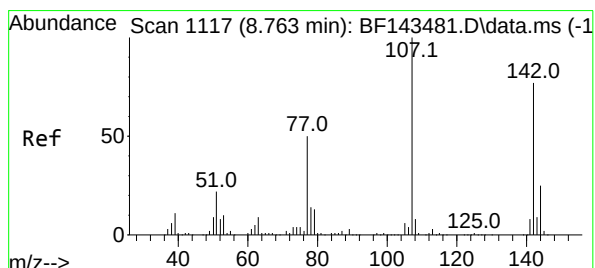
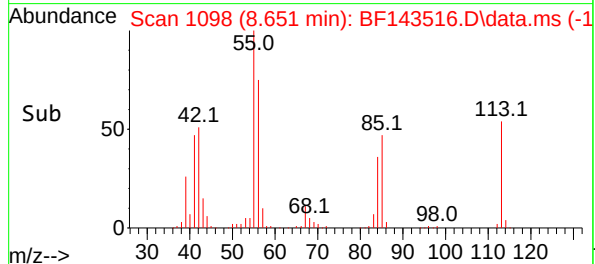
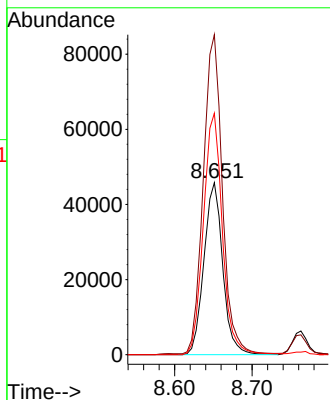
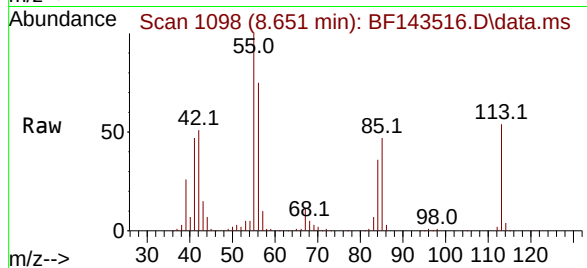
Tgt Ion:113 Resp: 77185

Ion Ratio Lower Upper

113 100

55 186.1 162.8 202.8

56 140.4 118.1 158.1



#36

4-Chloro-3-methylphenol

Concen: 40.394 ng

RT: 8.763 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

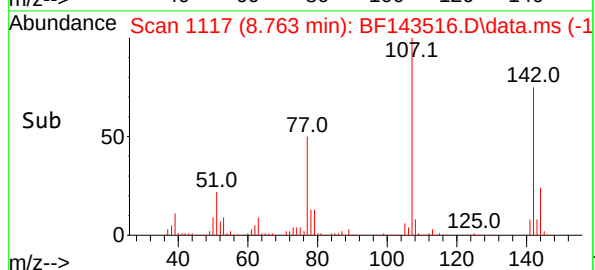
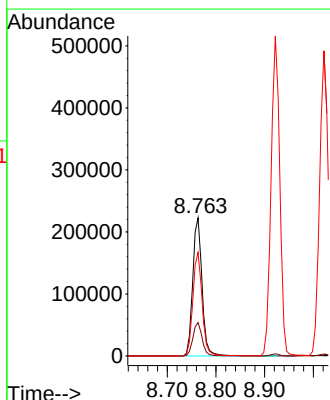
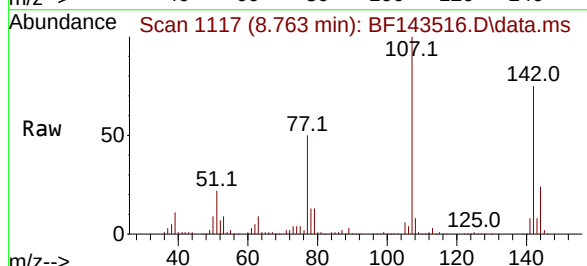
Tgt Ion:107 Resp: 297282

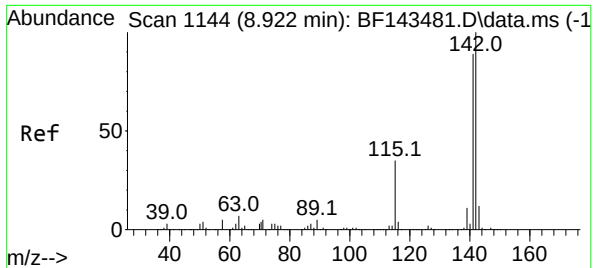
Ion Ratio Lower Upper

107 100

144 24.2 19.9 29.9

142 74.9 61.8 92.8





#37

2-Methylnaphthalene

Concen: 38.808 ng

RT: 8.922 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

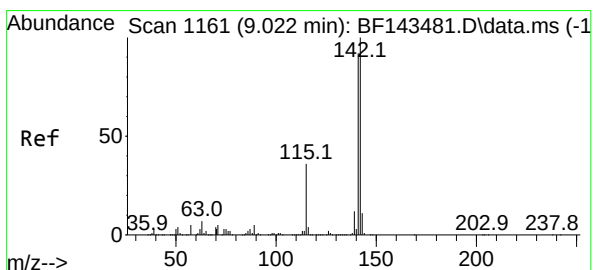
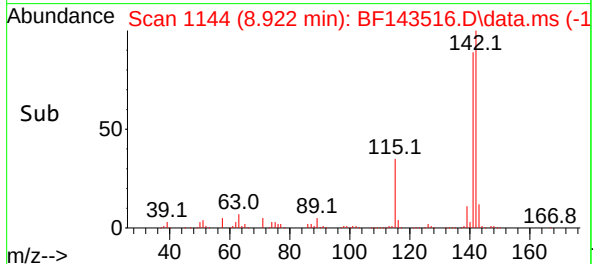
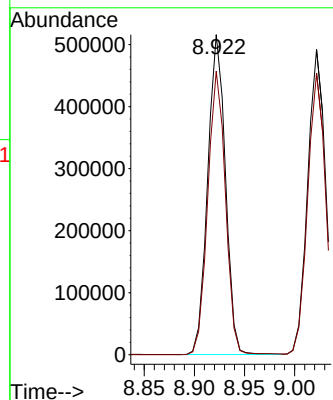
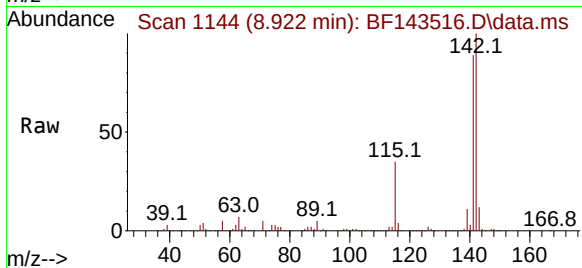
SSTDCCC040EC

Tgt Ion:142 Resp: 635344

Ion Ratio Lower Upper

142 100

141 88.6 71.0 106.4



#38

1-Methylnaphthalene

Concen: 38.685 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF143516.D

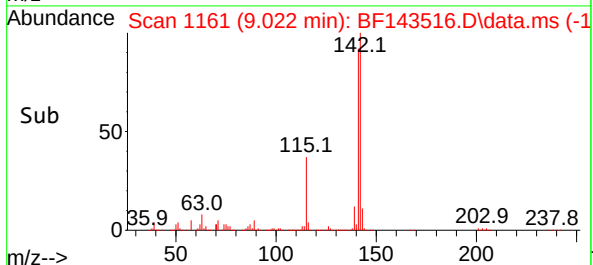
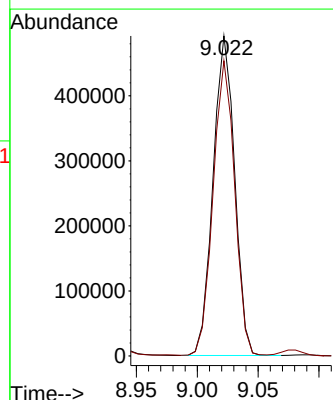
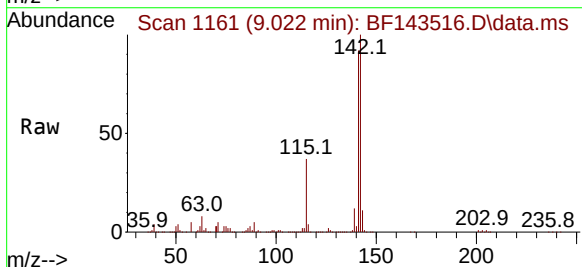
Acq: 21 Aug 2025 06:44

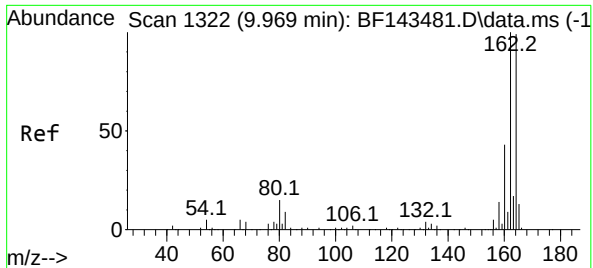
Tgt Ion:142 Resp: 605817

Ion Ratio Lower Upper

142 100

141 92.3 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

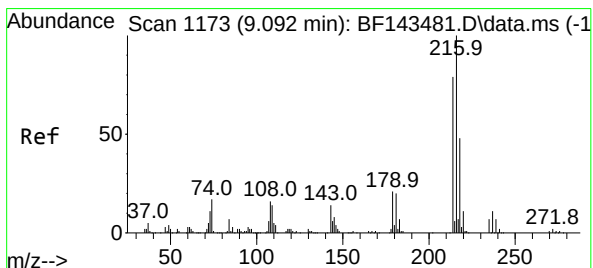
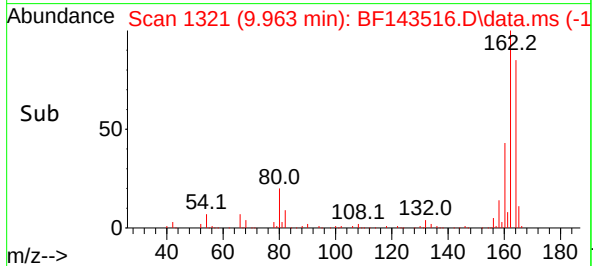
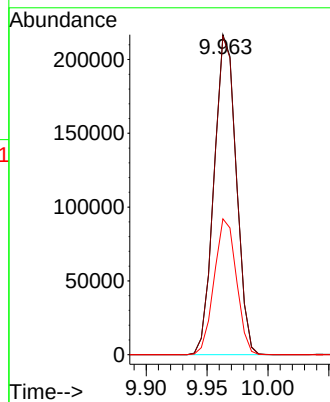
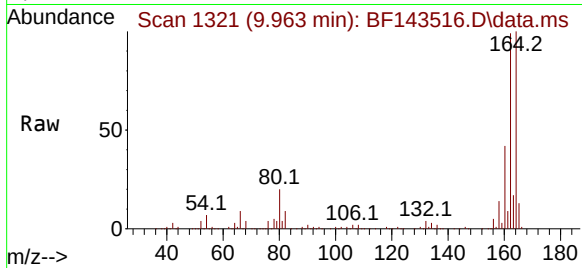
Tgt Ion:164 Resp: 274867

Ion Ratio Lower Upper

164 100

162 99.5 80.5 120.7

160 42.4 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.505 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Tgt Ion:216 Resp: 310596

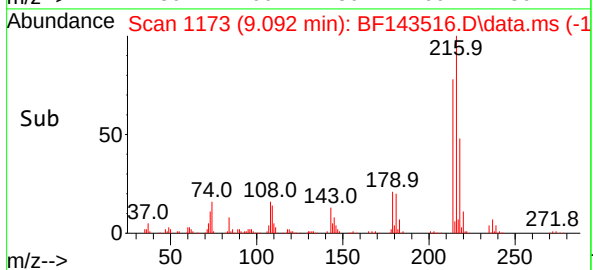
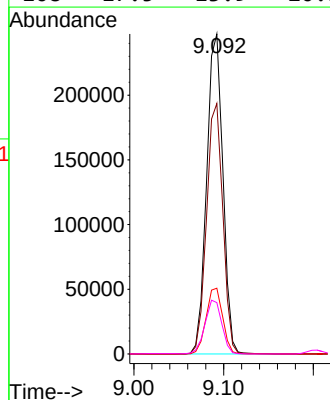
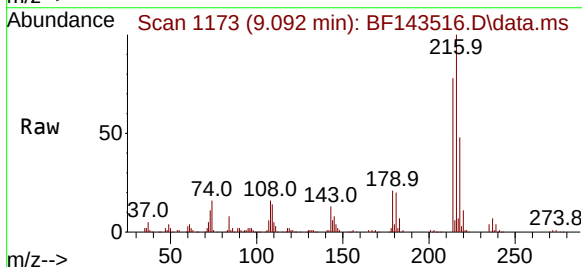
Ion Ratio Lower Upper

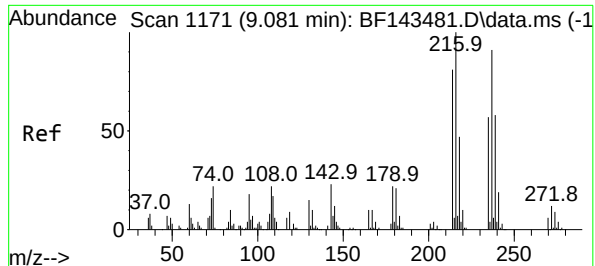
216 100

214 78.4 63.4 95.0

179 20.9 16.5 24.7

108 17.5 13.9 20.9

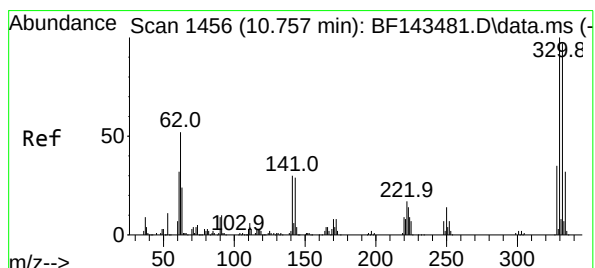
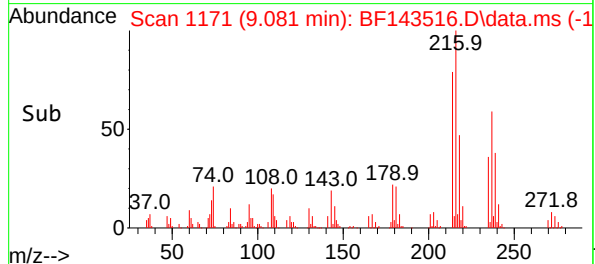
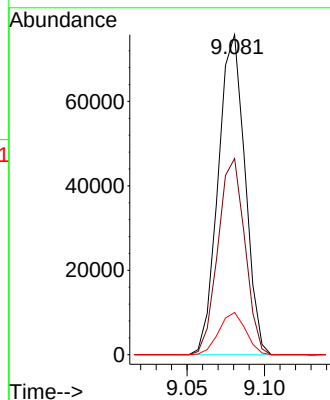
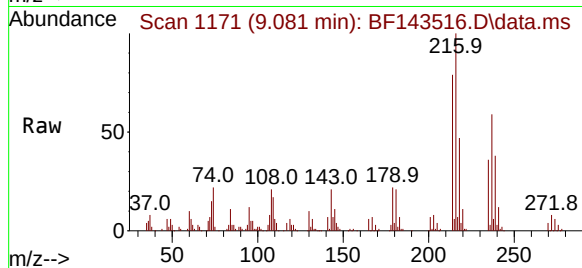




#41
Hexachlorocyclopentadiene
Concen: 33.894 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

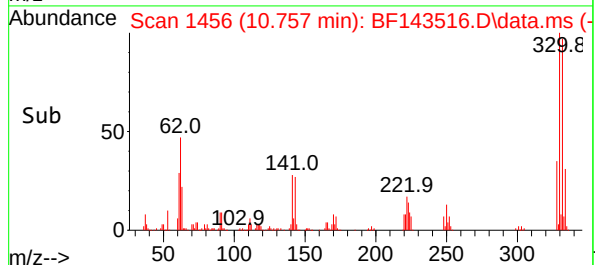
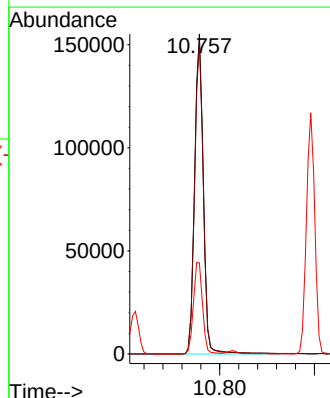
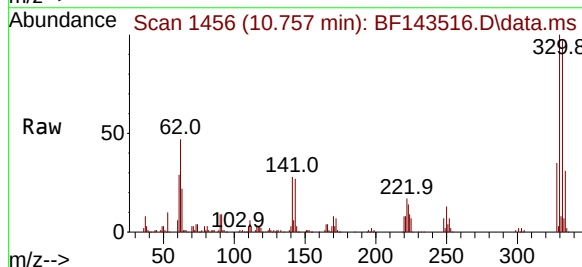
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

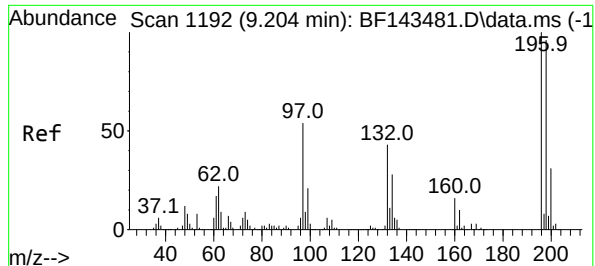
Tgt Ion	Ratio	Lower	Upper
237	100		
235	61.3	42.6	82.6
272	13.2	0.0	33.4



#42
2,4,6-Tribromophenol
Concen: 77.956 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.0	117.0
141	29.7	23.7	35.5





#43

2,4,6-Trichlorophenol

Concen: 39.825 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

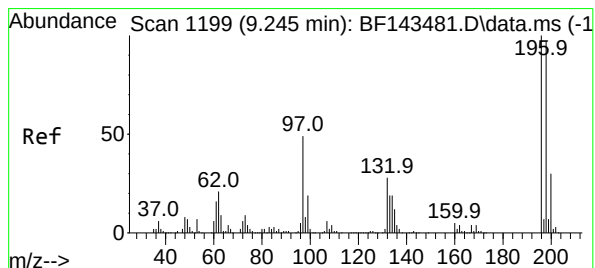
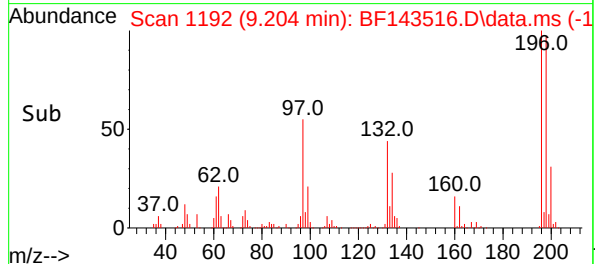
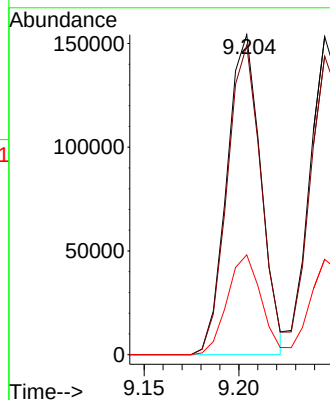
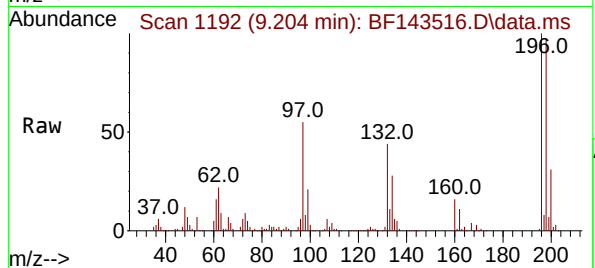
Tgt Ion:196 Resp: 192667

Ion Ratio Lower Upper

196 100

198 96.7 77.0 115.4

200 31.2 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 40.163 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Tgt Ion:196 Resp: 212240

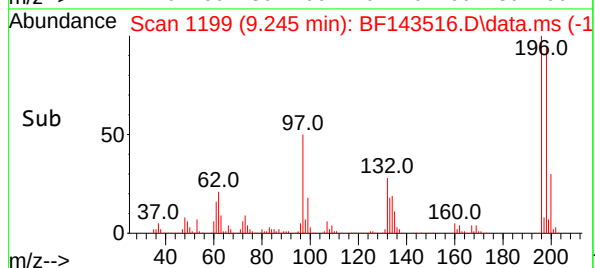
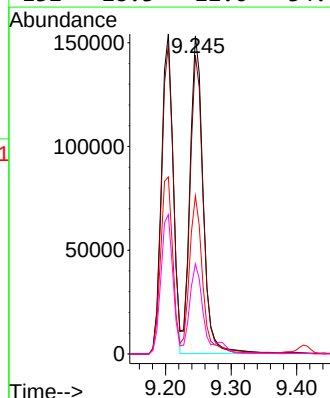
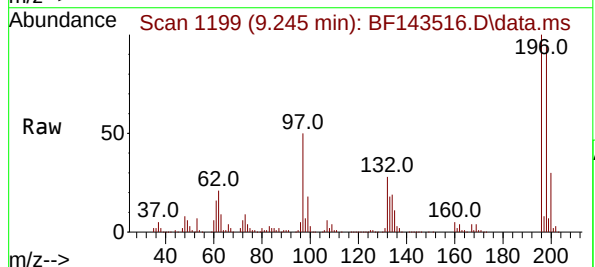
Ion Ratio Lower Upper

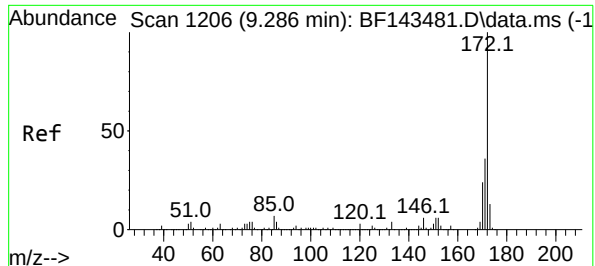
196 100

198 93.9 77.3 115.9

97 49.7 40.0 60.0

132 28.3 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 76.887 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

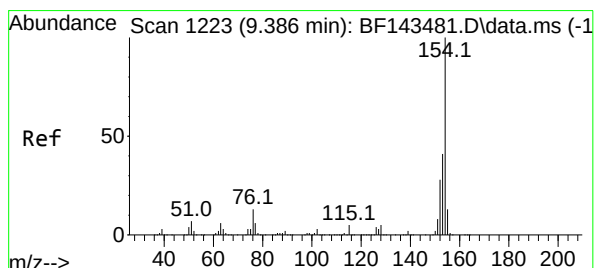
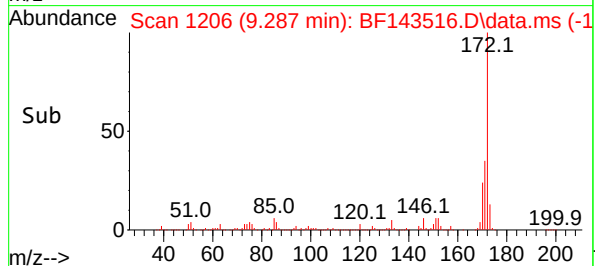
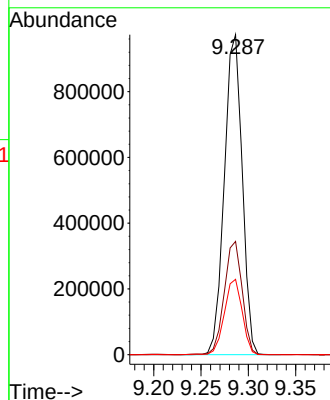
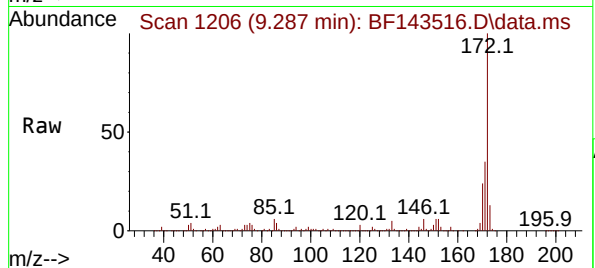
Tgt Ion:172 Resp: 1278754

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 38.879 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

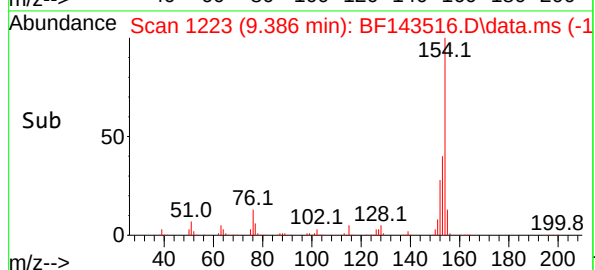
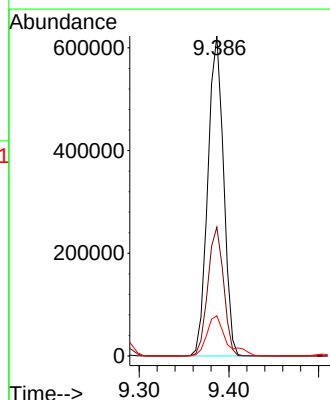
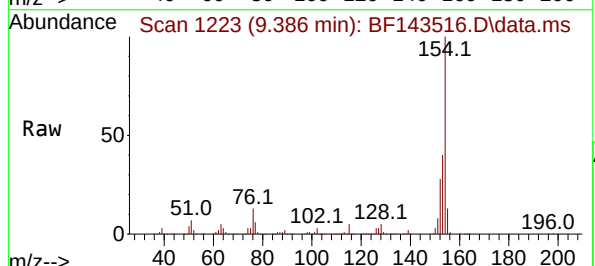
Tgt Ion:154 Resp: 758507

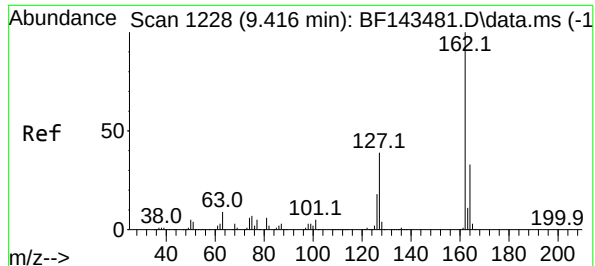
Ion Ratio Lower Upper

154 100

153 40.2 20.6 60.6

76 12.6 0.0 33.0





#47

2-Chloronaphthalene

Concen: 39.061 ng

RT: 9.410 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

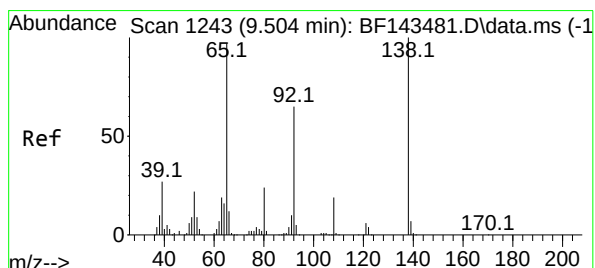
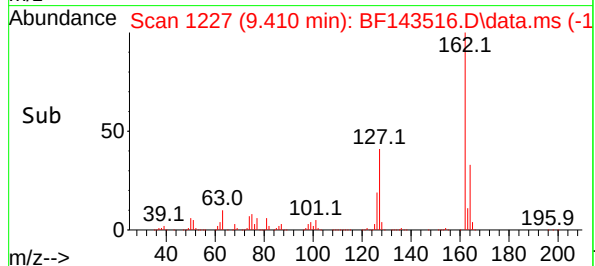
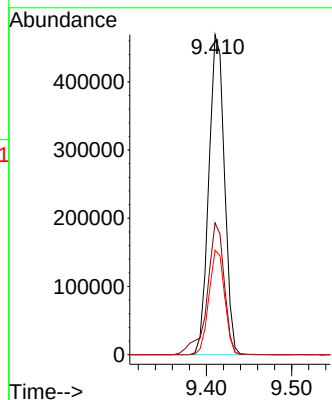
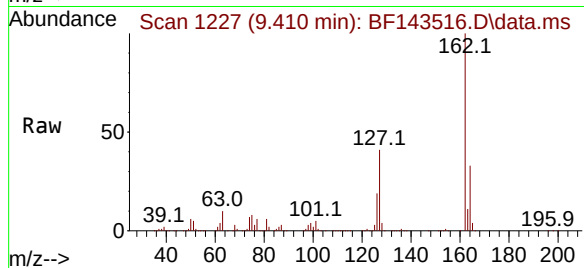
Tgt Ion:162 Resp: 597936

Ion Ratio Lower Upper

162 100

127 41.2 31.8 47.6

164 32.7 26.4 39.6



#48

2-Nitroaniline

Concen: 40.640 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

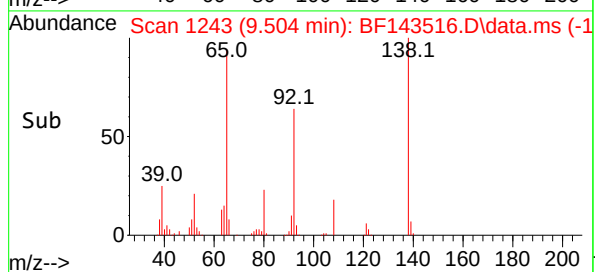
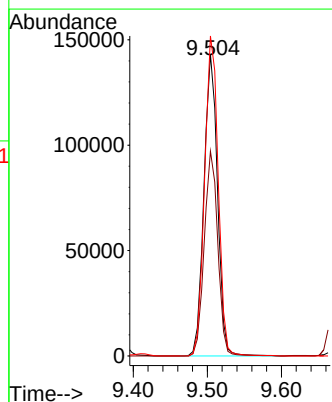
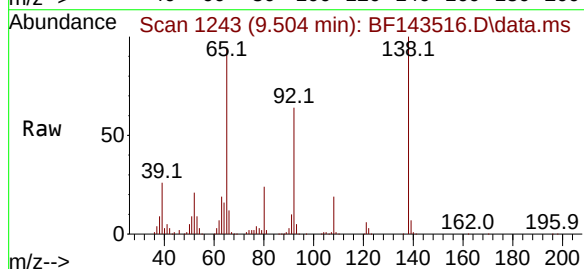
Tgt Ion: 65 Resp: 182065

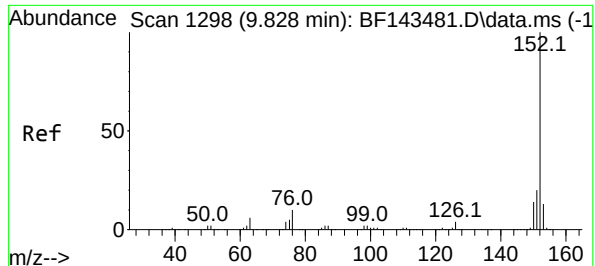
Ion Ratio Lower Upper

65 100

92 67.9 53.8 80.6

138 106.0 82.4 123.6





#49

Acenaphthylene

Concen: 39.059 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

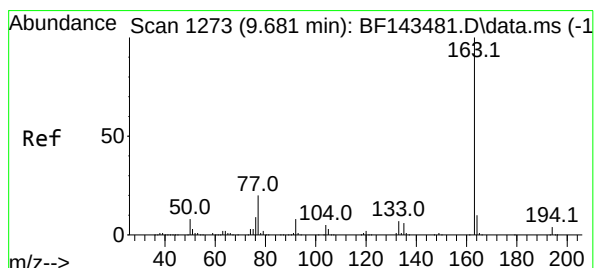
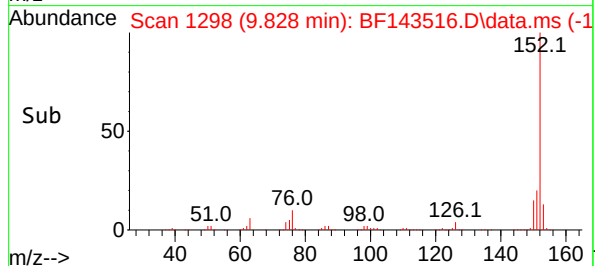
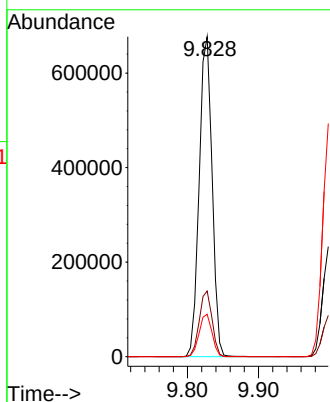
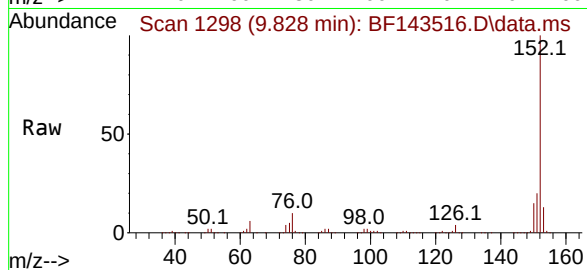
Tgt Ion:152 Resp: 856096

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 40.583 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

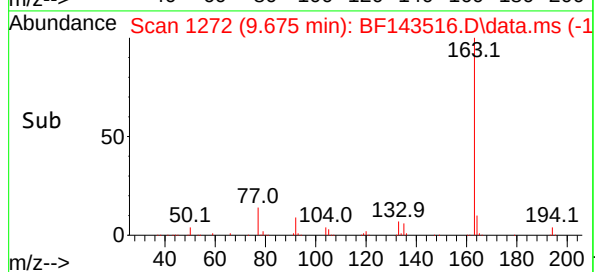
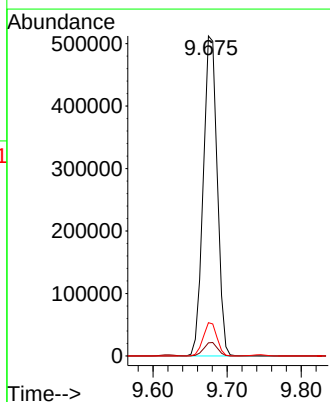
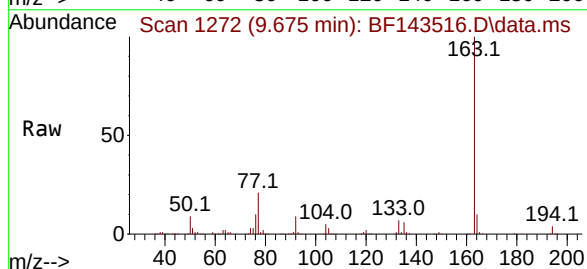
Tgt Ion:163 Resp: 671826

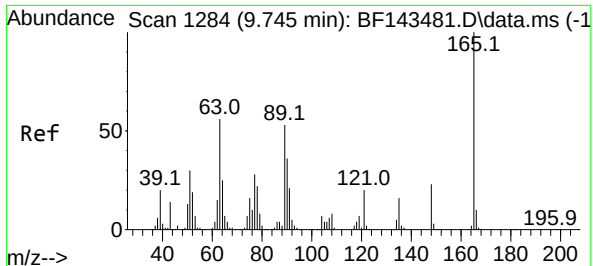
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.4 8.2 12.2

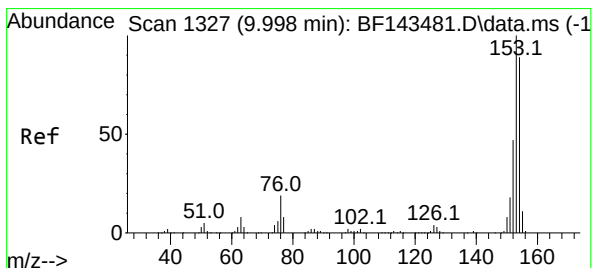
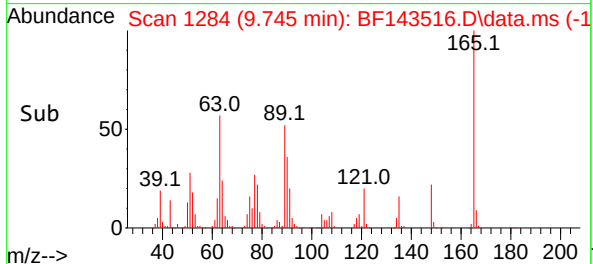
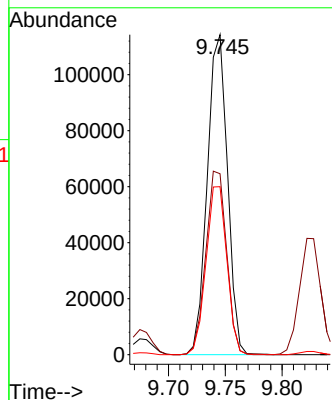
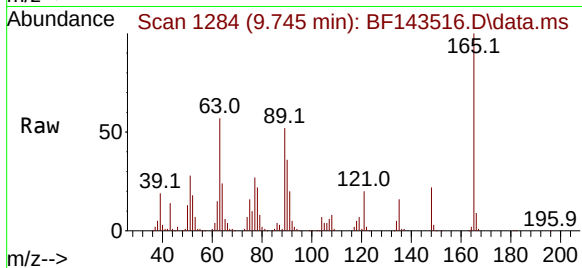




#51
2,6-Dinitrotoluene
Concen: 41.159 ng
RT: 9.745 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

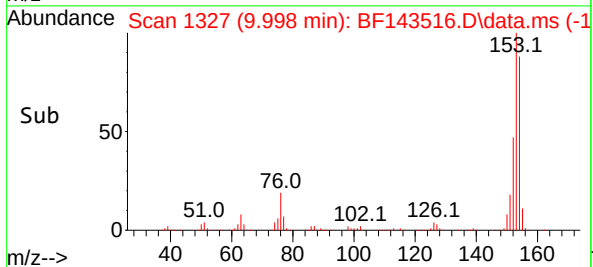
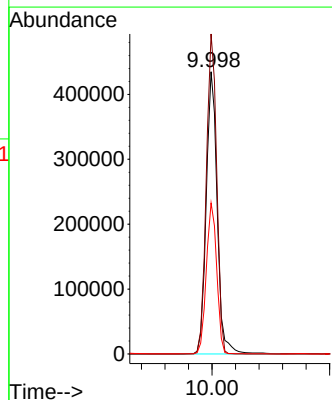
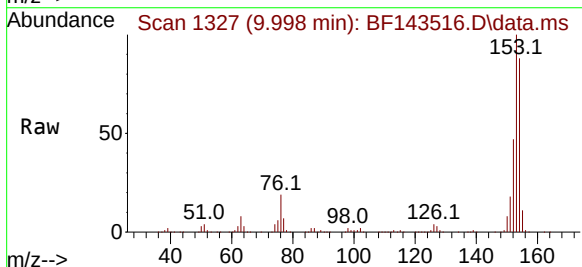
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

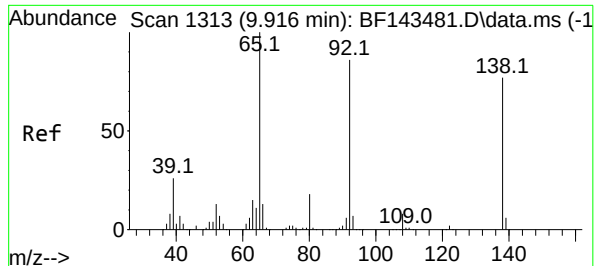
Tgt Ion:165 Resp: 141216
Ion Ratio Lower Upper
165 100
63 56.5 45.0 67.6
89 52.5 42.5 63.7



#52
Acenaphthene
Concen: 38.011 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:154 Resp: 565670
Ion Ratio Lower Upper
154 100
153 113.4 89.5 134.3
152 53.5 42.5 63.7





#53

3-Nitroaniline

Concen: 39.678 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

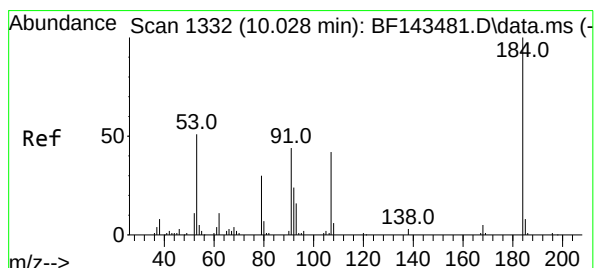
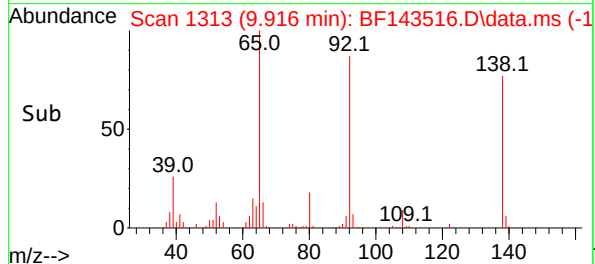
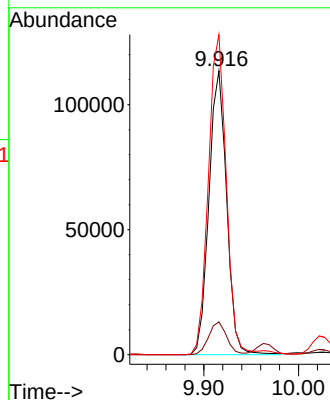
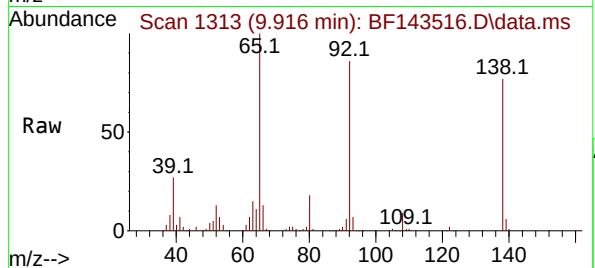
Tgt Ion:138 Resp: 147101

Ion Ratio Lower Upper

138 100

108 11.6 8.6 13.0

92 112.7 89.8 134.8



#54

2,4-Dinitrophenol

Concen: 28.170 ng

RT: 10.022 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

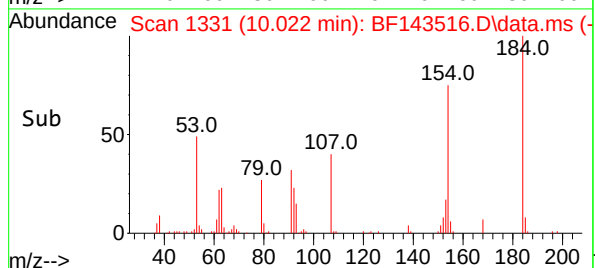
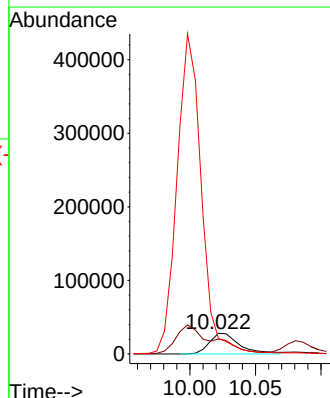
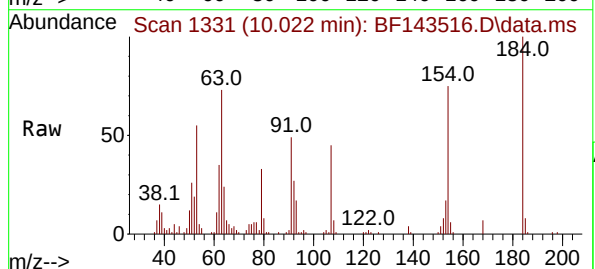
Tgt Ion:184 Resp: 44950

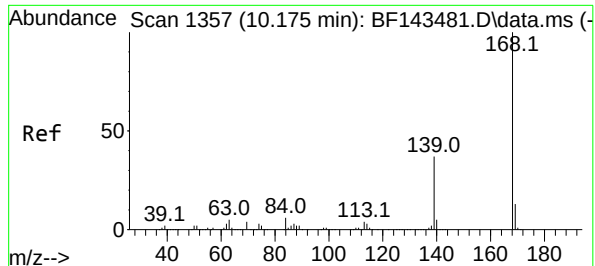
Ion Ratio Lower Upper

184 100

63 72.5 52.6 78.8

154 74.9 51.0 76.4





#55

Dibenzofuran

Concen: 38.919 ng

RT: 10.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

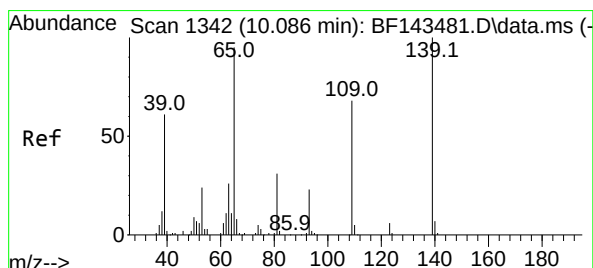
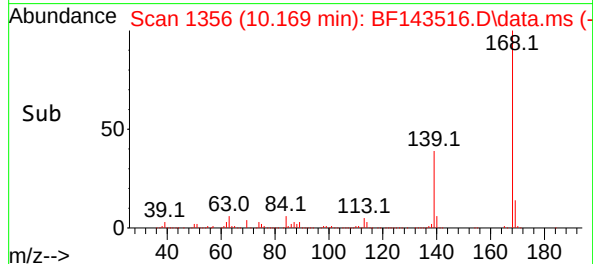
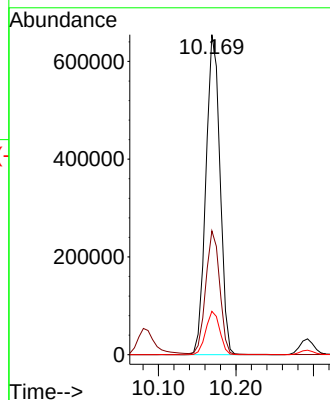
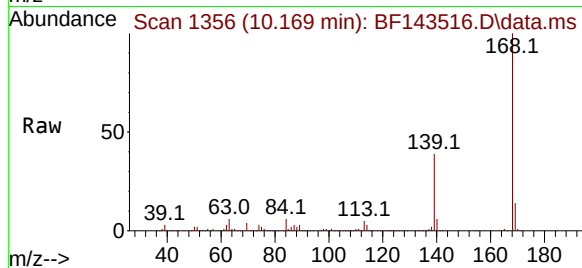
Tgt Ion:168 Resp: 825740

Ion Ratio Lower Upper

168 100

139 38.7 29.8 44.6

169 13.6 10.8 16.2



#56

4-Nitrophenol

Concen: 38.203 ng

RT: 10.081 min Scan# 1341

Delta R.T. -0.005 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

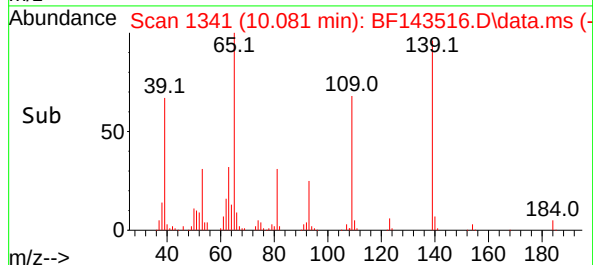
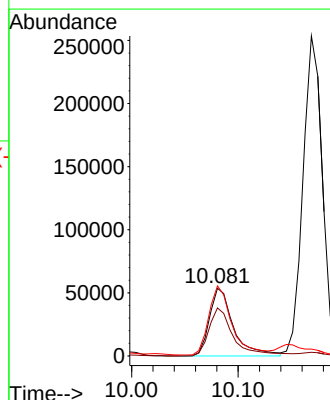
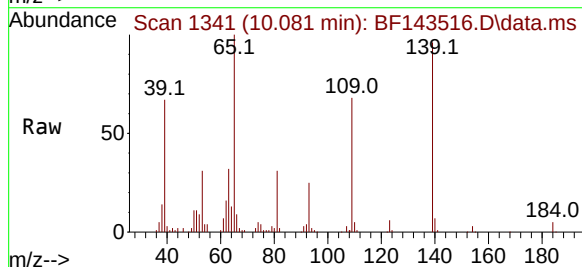
Tgt Ion:139 Resp: 84274

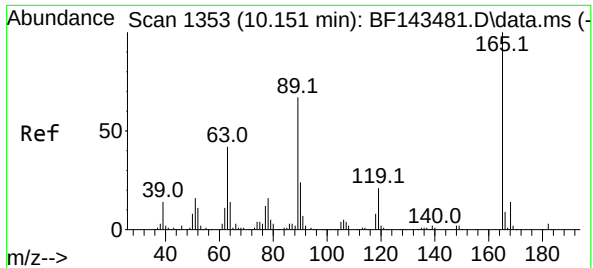
Ion Ratio Lower Upper

139 100

109 71.0 48.2 88.2

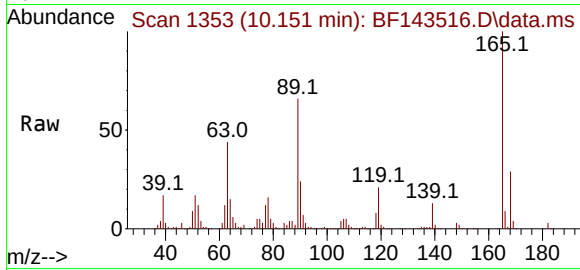
65 103.7 75.8 115.8



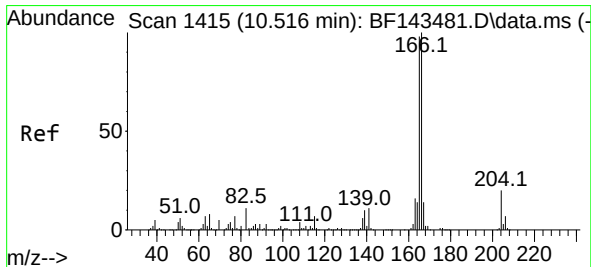
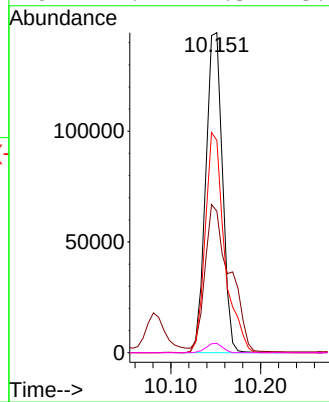
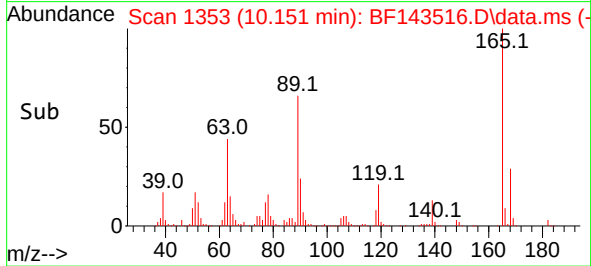


#57
2,4-Dinitrotoluene
Concen: 40.880 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

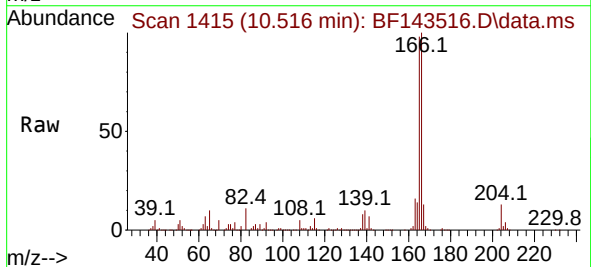
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



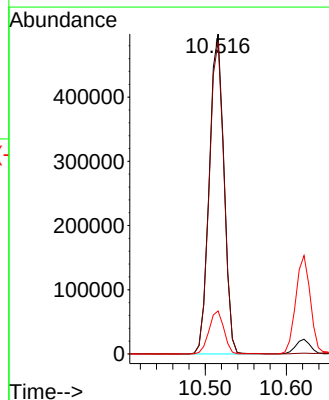
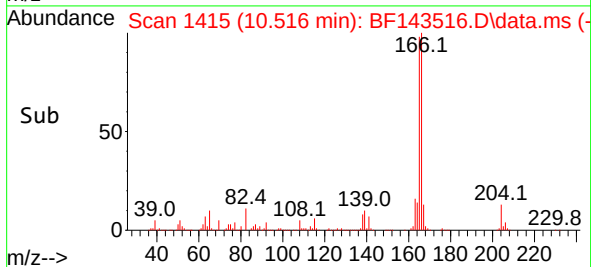
Tgt Ion:165 Resp: 187283
Ion Ratio Lower Upper
165 100
63 44.2 34.9 52.3
89 66.4 53.3 79.9
182 2.9 2.3 3.5

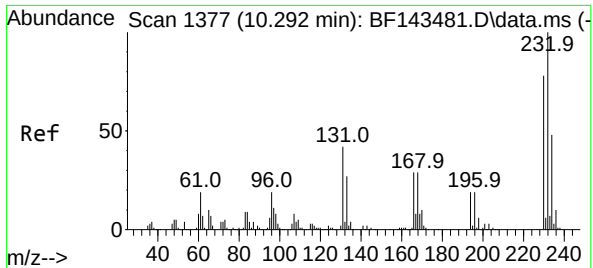


#58
Fluorene
Concen: 38.288 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44



Tgt Ion:166 Resp: 625227
Ion Ratio Lower Upper
166 100
165 97.6 78.3 117.5
167 13.4 11.0 16.4

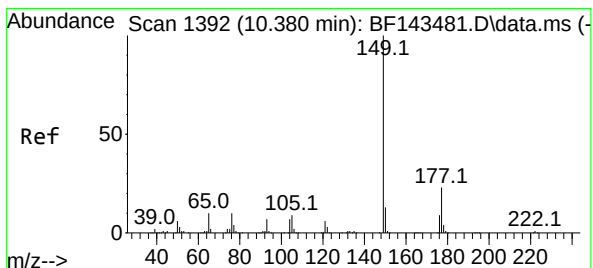
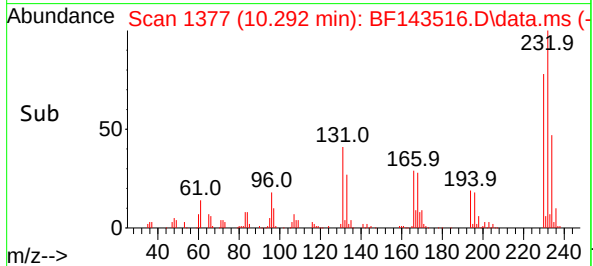
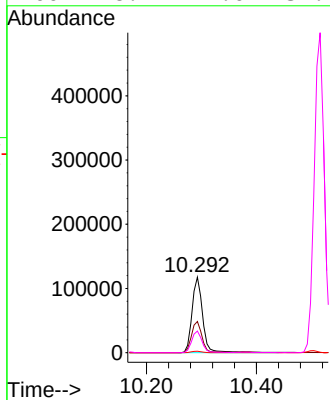
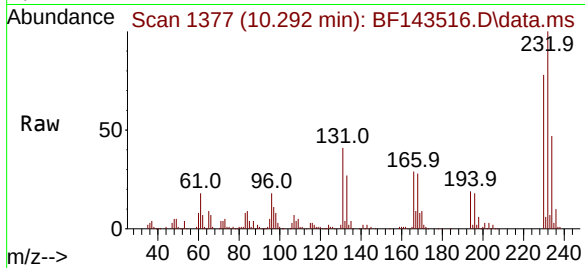




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.017 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

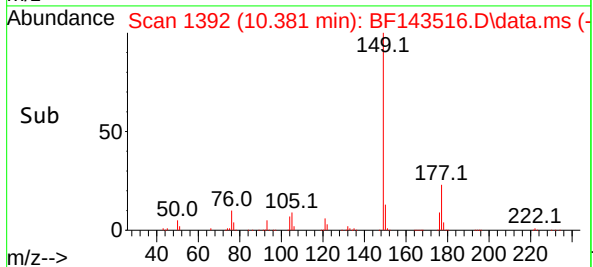
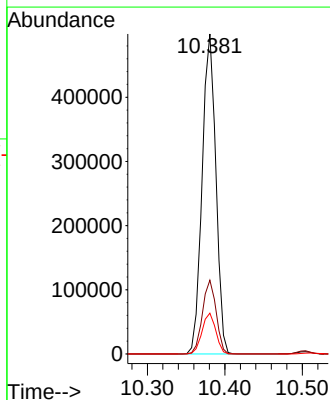
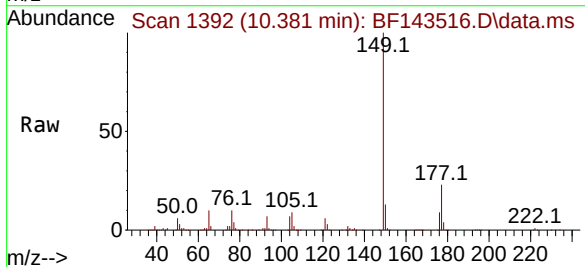
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

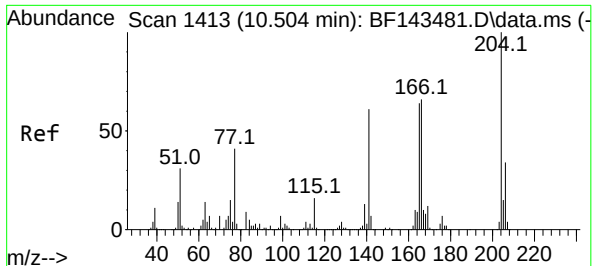
Tgt Ion:232 Resp: 157108
Ion Ratio Lower Upper
232 100
131 41.1 32.7 49.1
130 1.9 1.6 2.4
166 28.2 22.6 34.0



#60
Diethylphthalate
Concen: 41.355 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:149 Resp: 613793
Ion Ratio Lower Upper
149 100
177 23.0 18.3 27.5
150 12.7 10.3 15.5

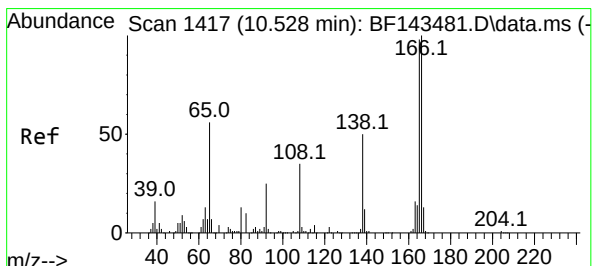
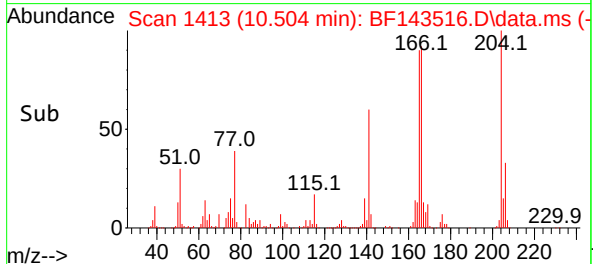
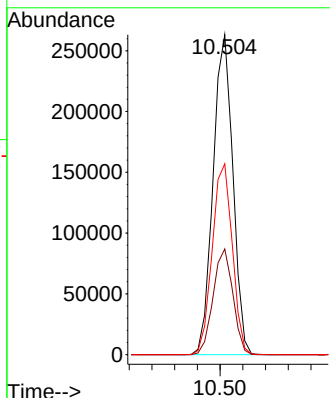
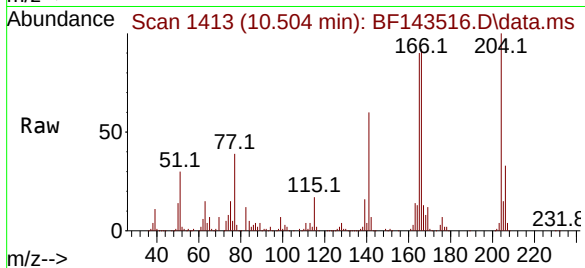




#61
4-Chlorophenyl-phenylether
Concen: 38.987 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

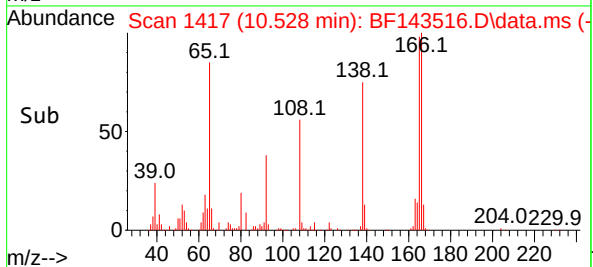
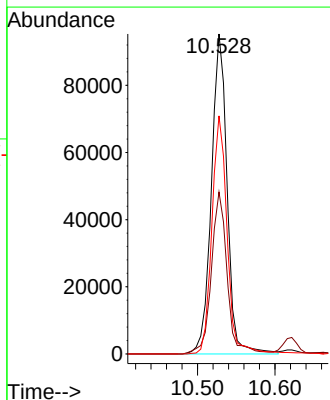
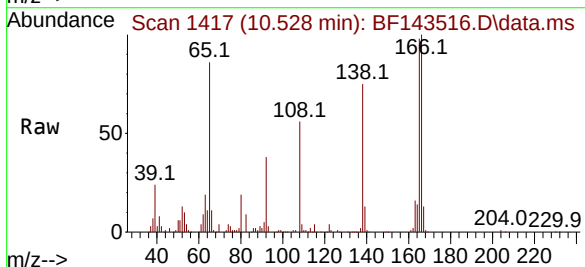
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

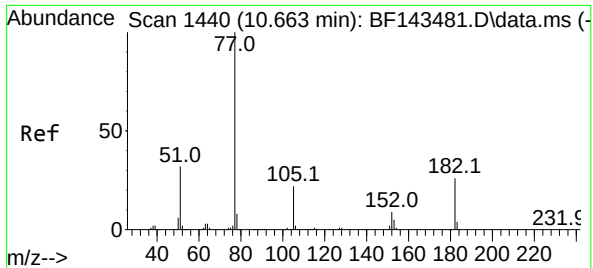
Tgt Ion:204 Resp: 318396
Ion Ratio Lower Upper
204 100
206 33.1 27.0 40.4
141 59.6 48.7 73.1



#62
4-Nitroaniline
Concen: 39.506 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:138 Resp: 134532
Ion Ratio Lower Upper
138 100
92 50.6 29.3 69.3
108 74.4 50.7 90.7



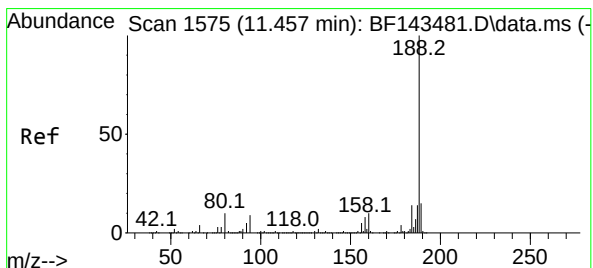
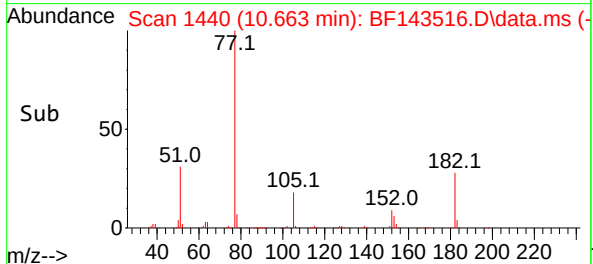
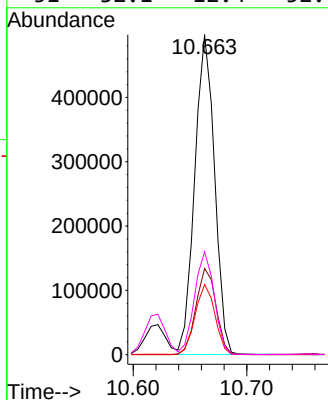
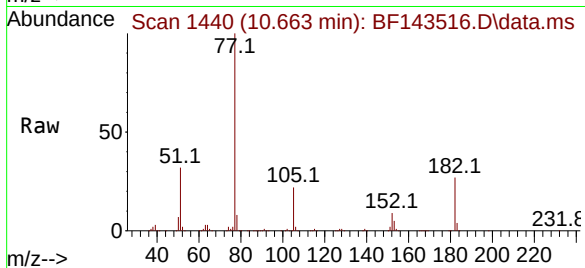


#63
Azobenzene
Concen: 39.155 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 602578

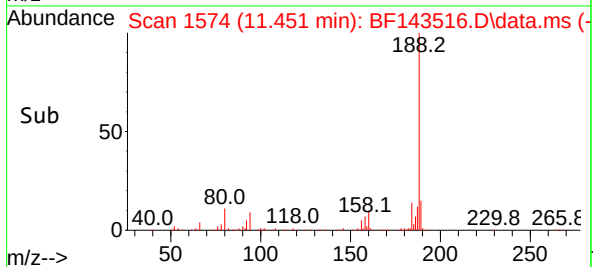
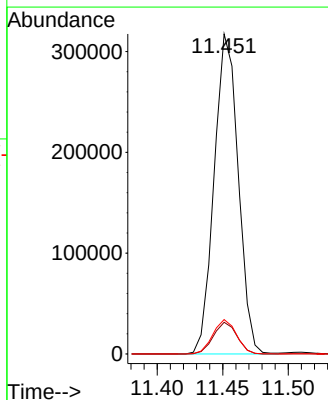
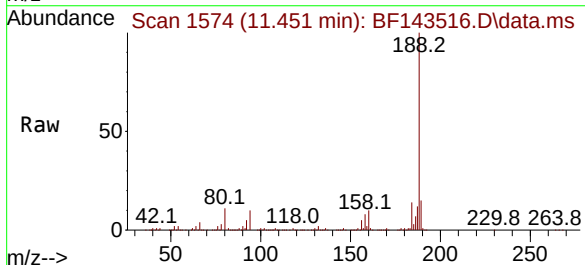
Ion	Ratio	Lower	Upper
77	100		
182	27.0	6.2	46.2
105	21.9	2.2	42.2
51	32.1	12.4	52.4

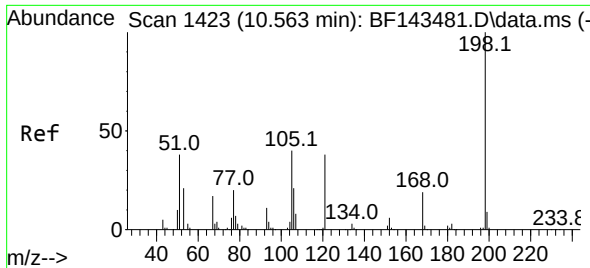


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion: 188 Resp: 405205

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	10.8	8.2	12.4

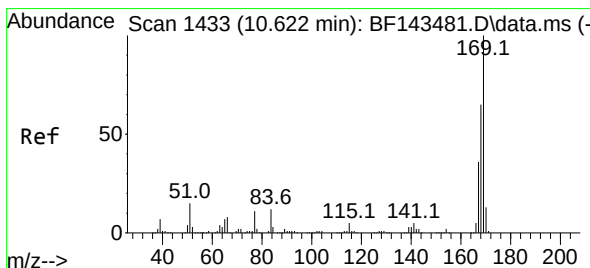
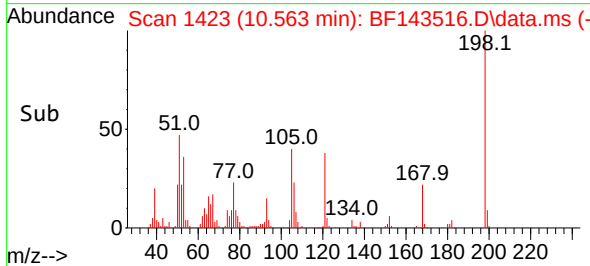
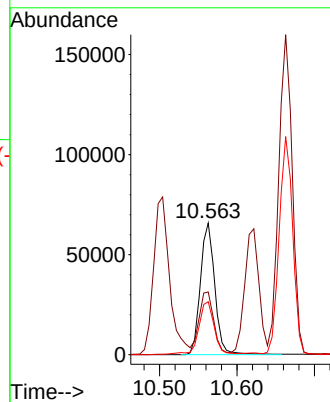
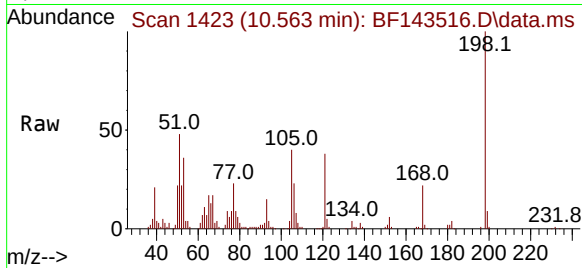




#65
4,6-Dinitro-2-methylphenol
Concen: 37.226 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

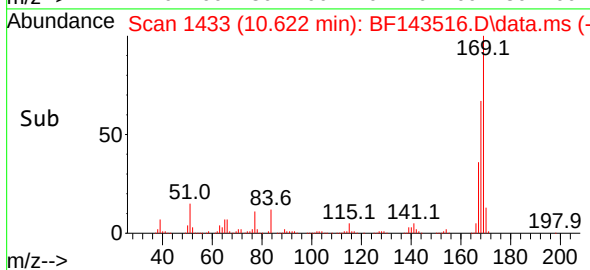
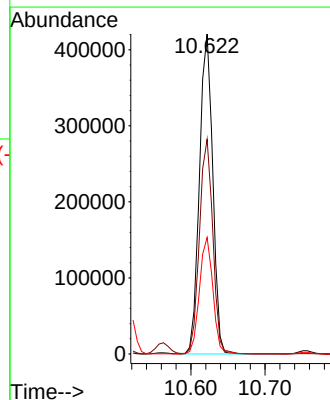
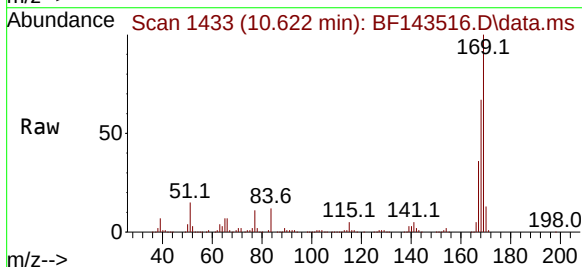
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

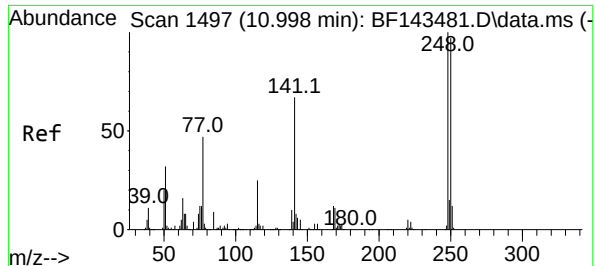
Tgt Ion	Ratio	Lower	Upper
198	100		
51	47.7	29.6	69.6
105	40.2	21.5	61.5



#66
n-Nitrosodiphenylamine
Concen: 40.062 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.1	52.4	78.6
167	36.4	28.9	43.3

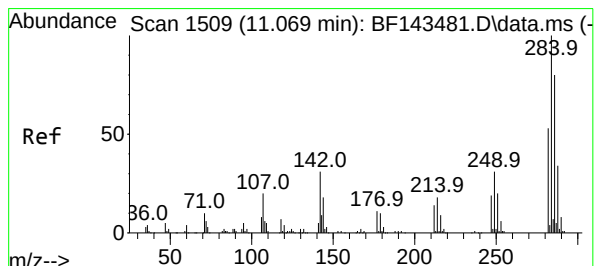
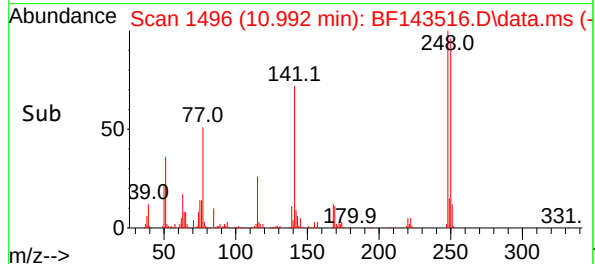
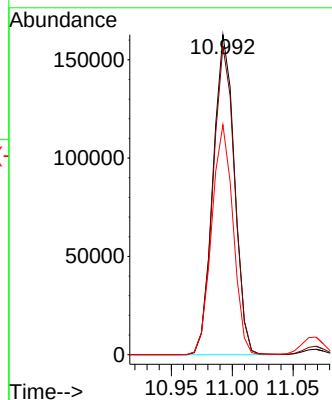
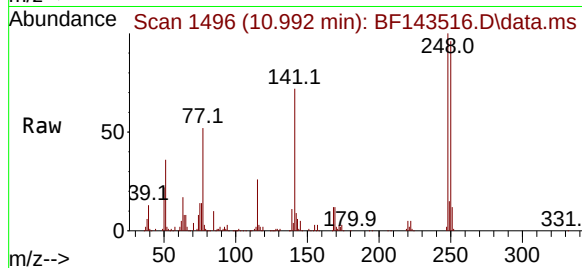




#67
4-Bromophenyl-phenylether
Concen: 41.154 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

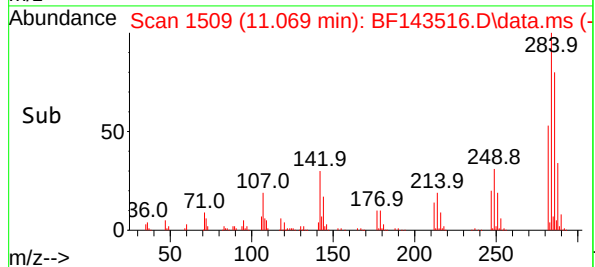
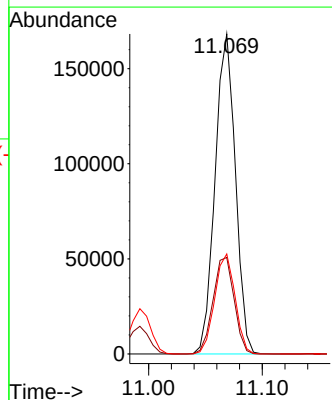
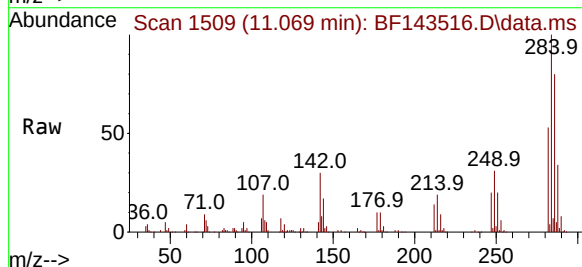
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

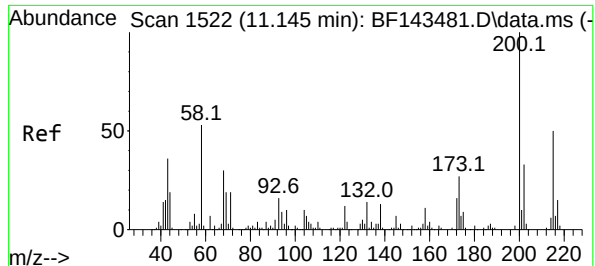
Tgt Ion:248 Resp: 198971
Ion Ratio Lower Upper
248 100
250 96.5 77.8 116.8
141 71.9 54.0 81.0



#68
Hexachlorobenzene
Concen: 40.112 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:284 Resp: 209043
Ion Ratio Lower Upper
284 100
142 30.2 24.4 36.6
249 31.2 25.0 37.6





#69

Atrazine

Concen: 45.568 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

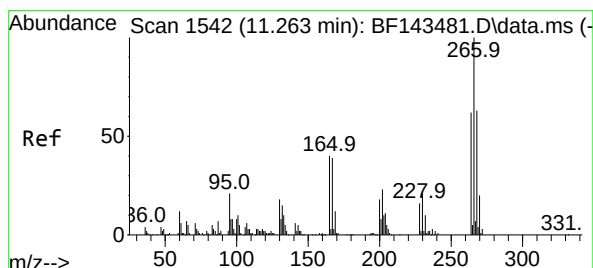
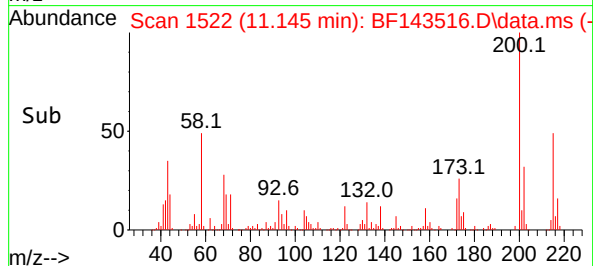
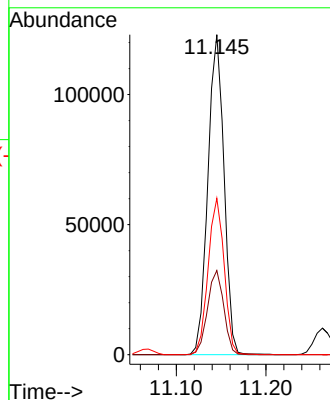
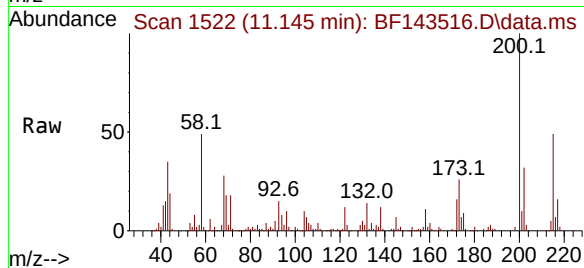
Tgt Ion:200 Resp: 153390

Ion Ratio Lower Upper

200 100

173 26.3 6.9 46.9

215 48.9 30.0 70.0



#70

Pentachlorophenol

Concen: 38.100 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

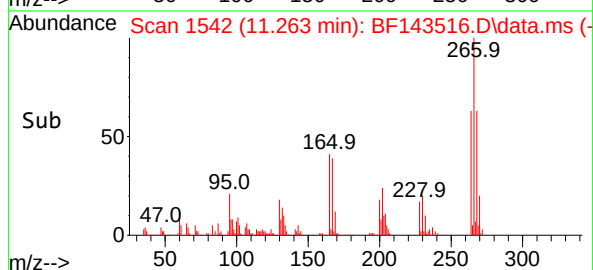
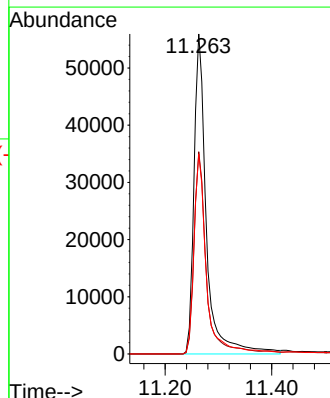
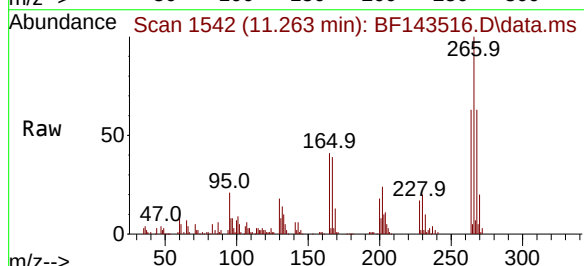
Tgt Ion:266 Resp: 90936

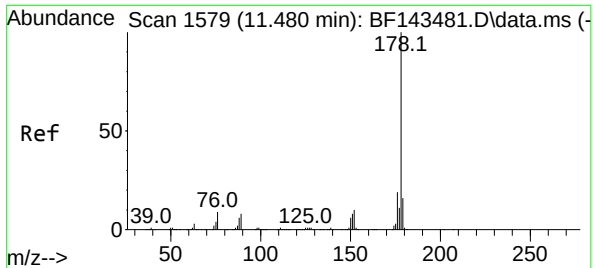
Ion Ratio Lower Upper

266 100

268 63.2 50.5 75.7

264 62.5 49.8 74.8





#71

Phenanthrene

Concen: 39.223 ng

RT: 11.480 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

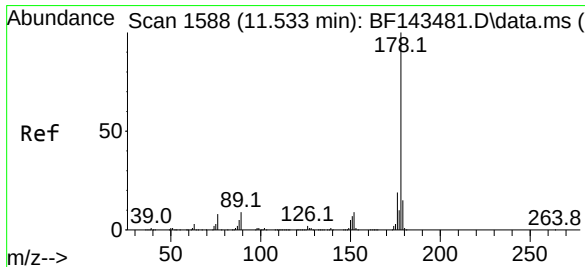
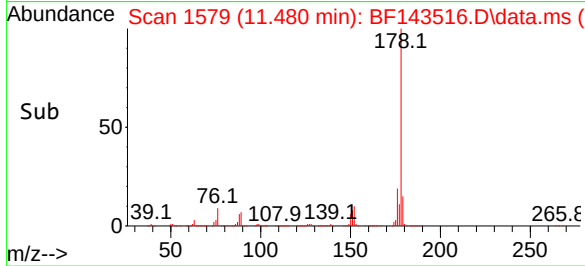
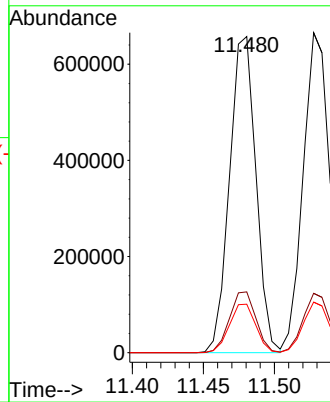
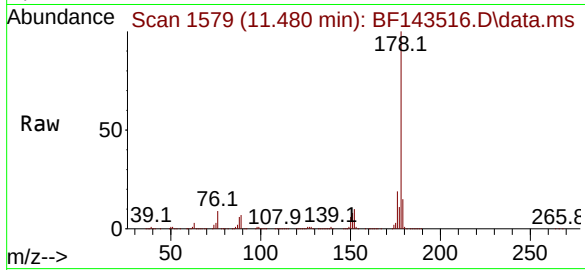
Tgt Ion:178 Resp: 851106

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.3 12.5 18.7



#72

Anthracene

Concen: 39.146 ng

RT: 11.528 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

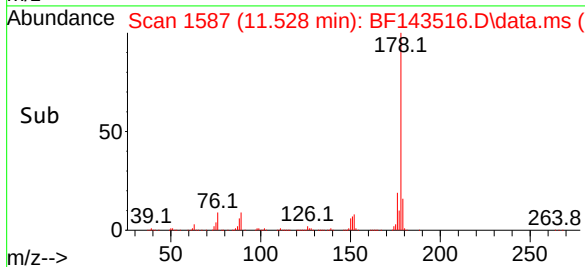
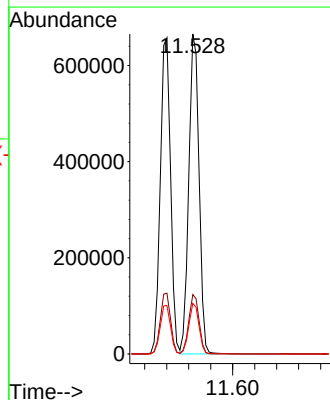
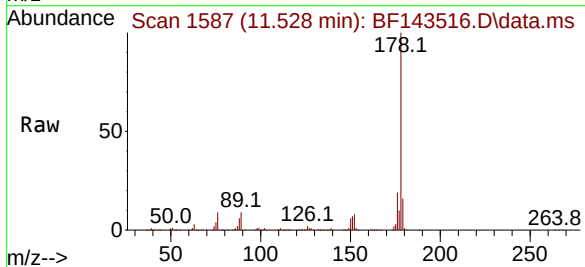
Tgt Ion:178 Resp: 860520

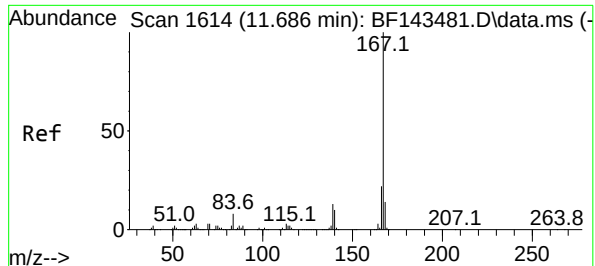
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.8 12.3 18.5

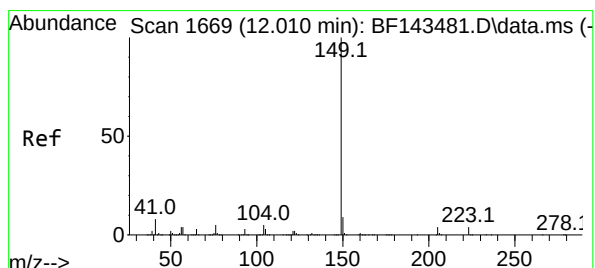
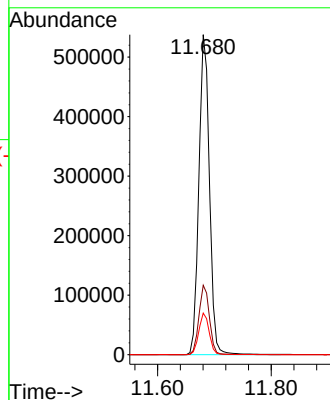
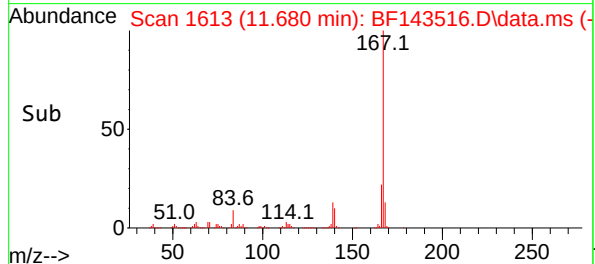
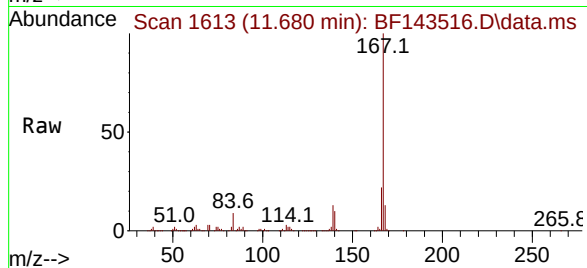




#73
Carbazole
Concen: 38.707 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

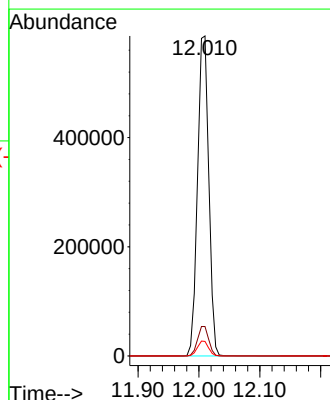
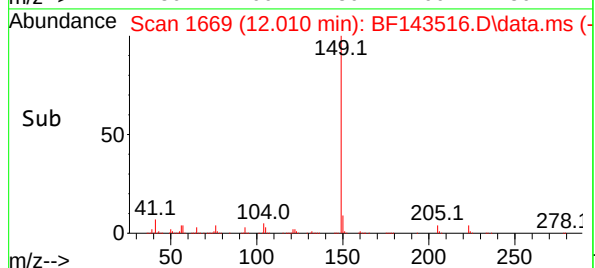
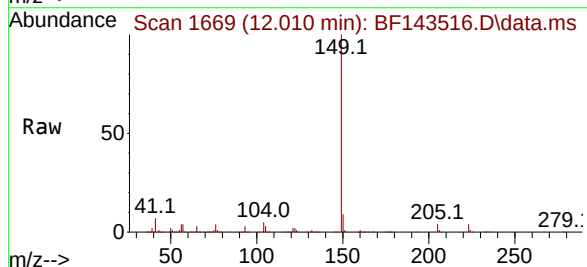
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

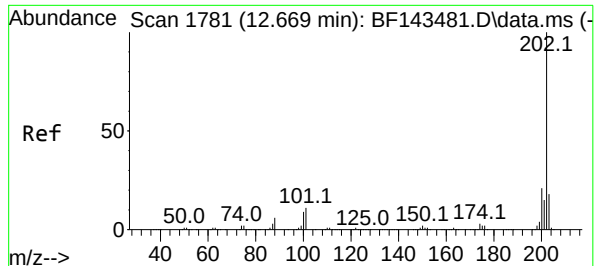
Tgt Ion:167 Resp: 697205
Ion Ratio Lower Upper
167 100
166 21.7 17.3 25.9
139 13.0 10.0 15.0



#74
Di-n-butylphthalate
Concen: 44.721 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:149 Resp: 751456
Ion Ratio Lower Upper
149 100
150 9.2 7.2 10.8
104 4.5 3.6 5.4

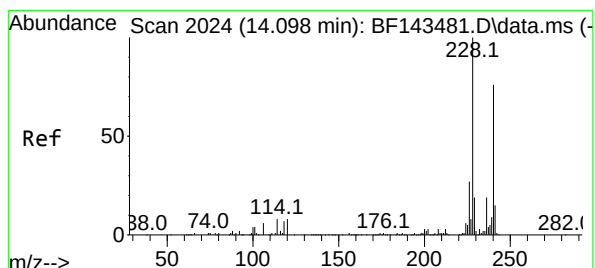
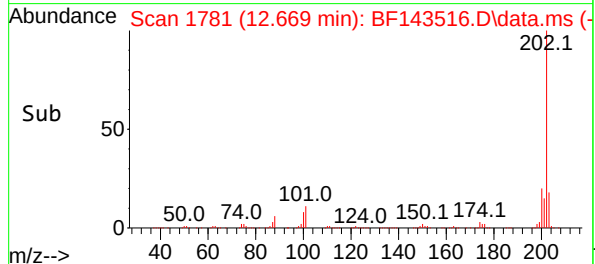
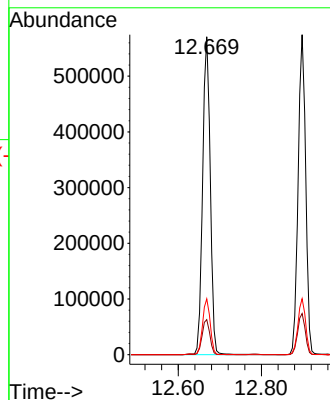
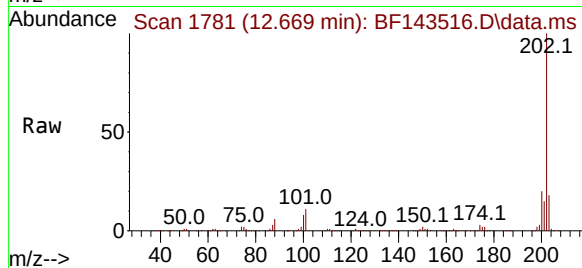




#75
Fluoranthene
Concen: 37.338 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

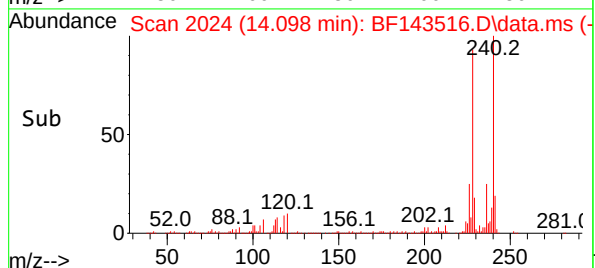
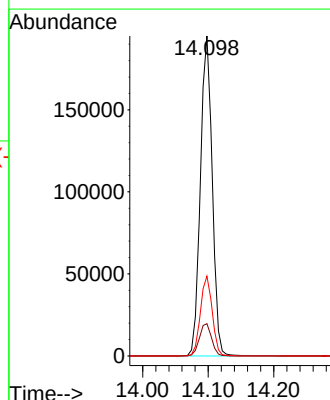
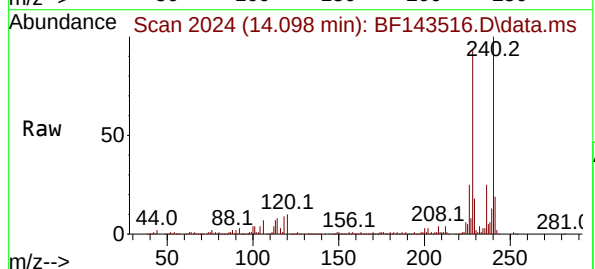
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

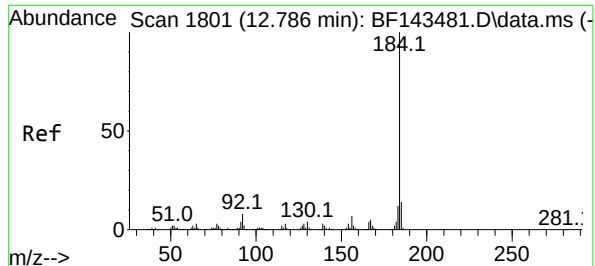
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.3
203	17.6	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.6	12.8
236	24.9	20.4	30.6





#77

Benzidine

Concen: 39.014 ng

RT: 12.786 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

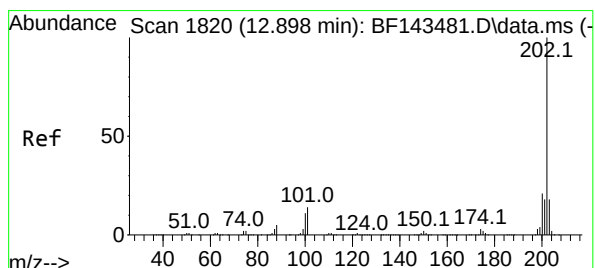
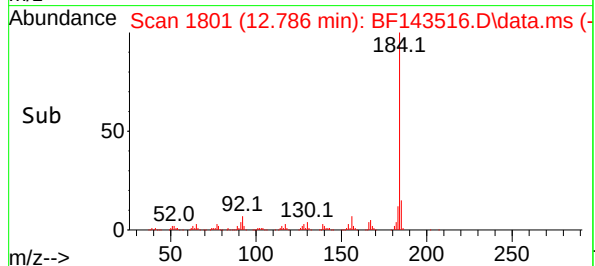
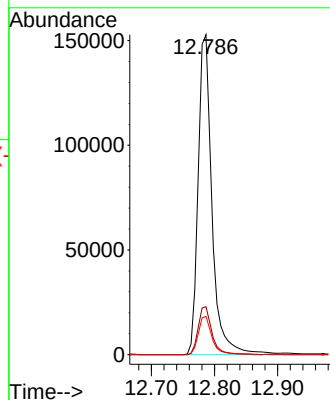
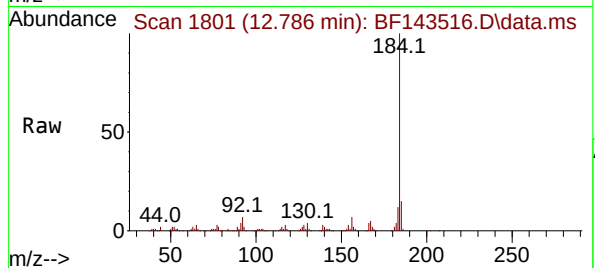
Tgt Ion:184 Resp: 233194

Ion Ratio Lower Upper

184 100

185 15.0 11.3 16.9

183 11.9 9.5 14.3



#78

Pyrene

Concen: 35.848 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

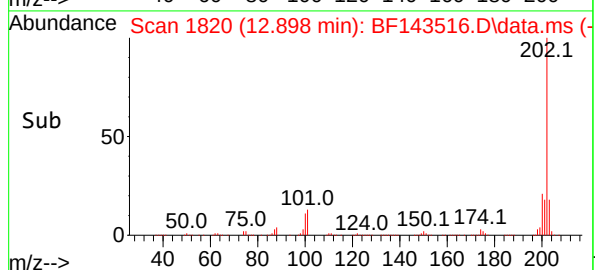
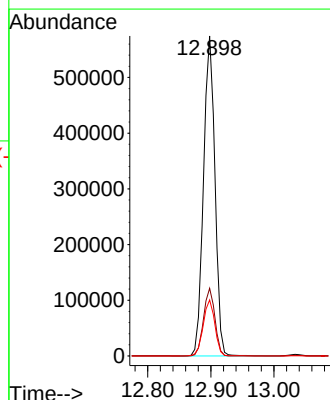
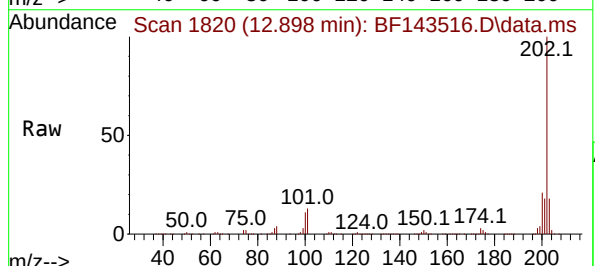
Tgt Ion:202 Resp: 723572

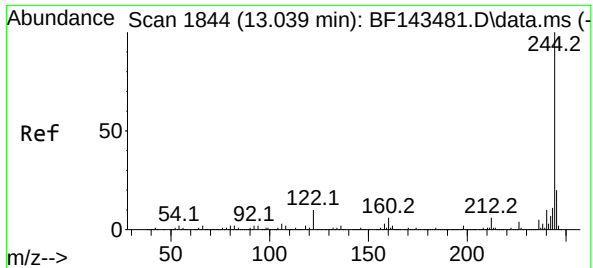
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 73.802 ng

RT: 13.033 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

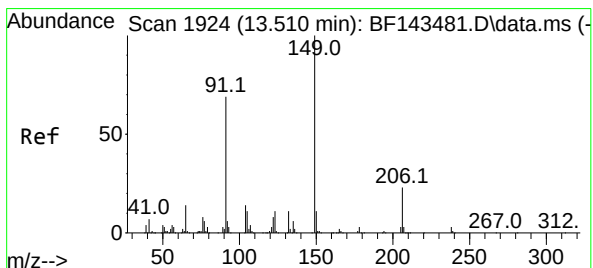
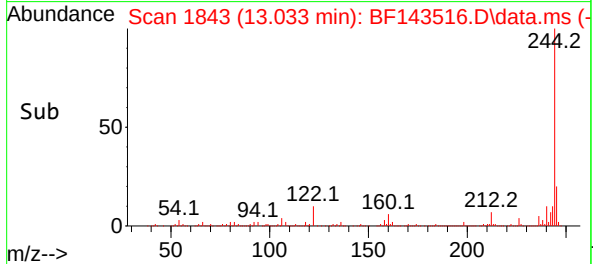
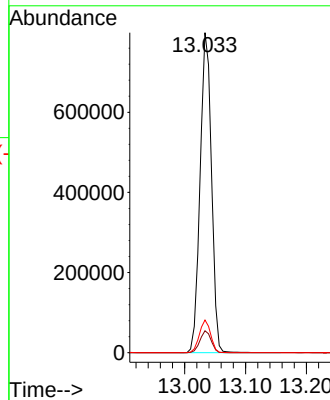
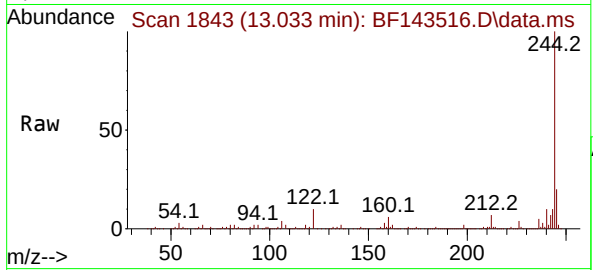
Tgt Ion:244 Resp: 1037790

Ion Ratio Lower Upper

244 100

212 6.9 5.2 7.8

122 10.2 7.9 11.9



#80

Butylbenzylphthalate

Concen: 43.715 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

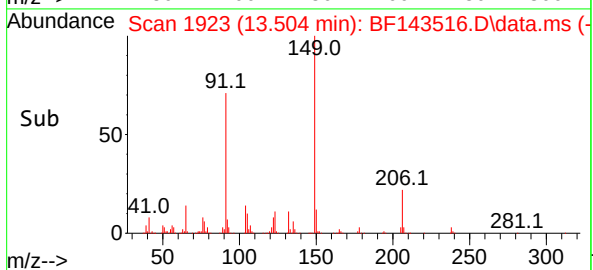
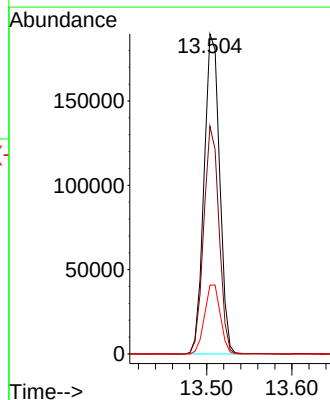
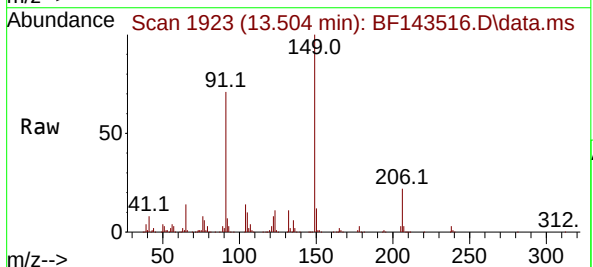
Tgt Ion:149 Resp: 241048

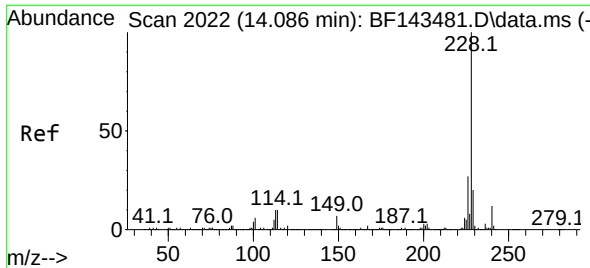
Ion Ratio Lower Upper

149 100

91 71.1 55.3 82.9

206 21.5 18.2 27.4

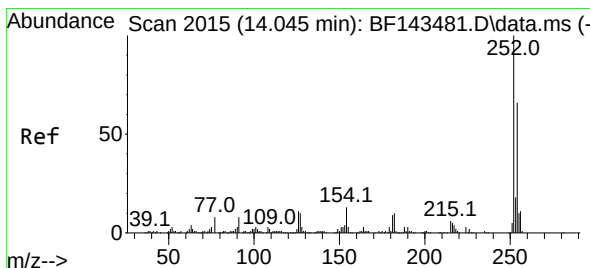
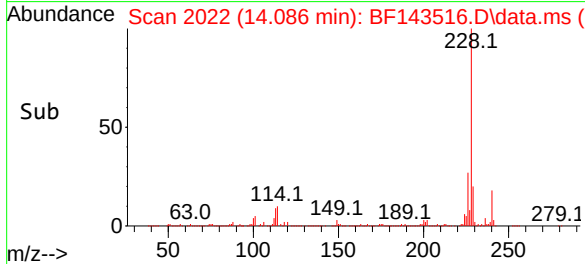
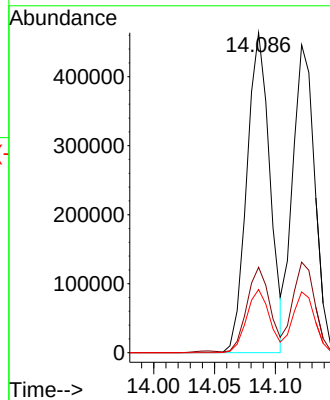
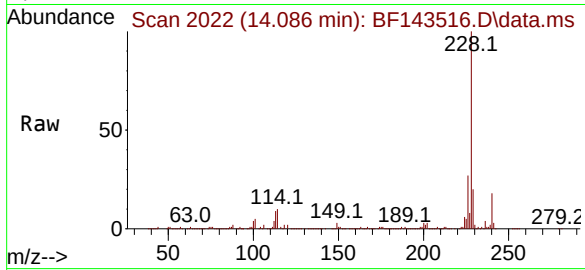




#81
Benzo(a)anthracene
Concen: 38.789 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

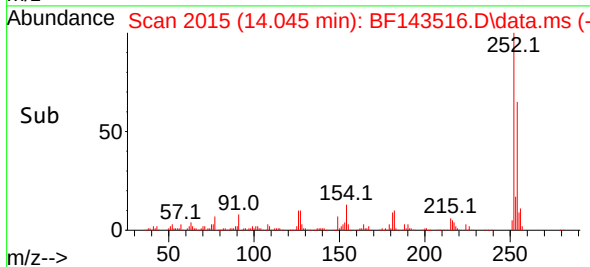
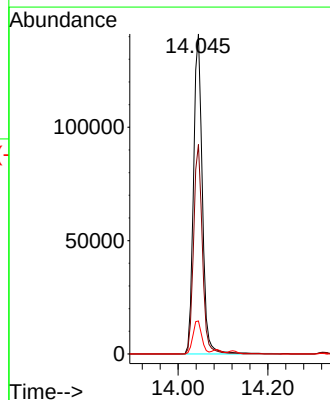
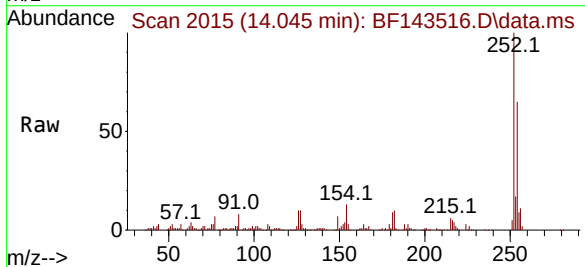
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

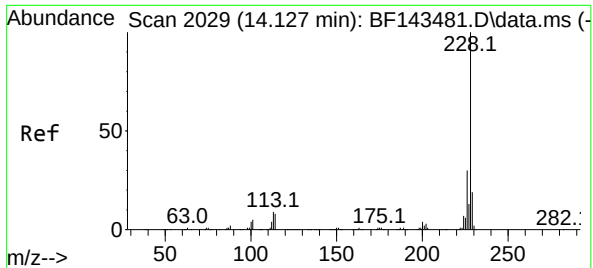
Tgt Ion:228 Resp: 612793
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 19.8 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 42.571 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:252 Resp: 192601
Ion Ratio Lower Upper
252 100
254 65.5 52.6 79.0
126 10.3 8.7 13.1

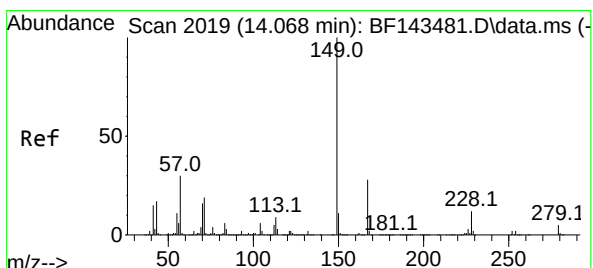
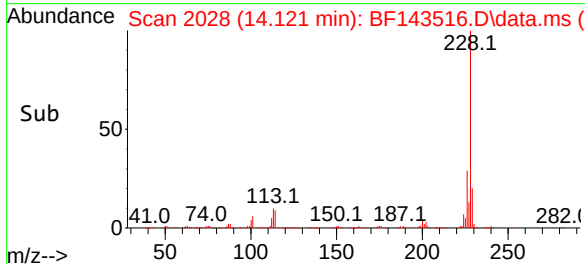
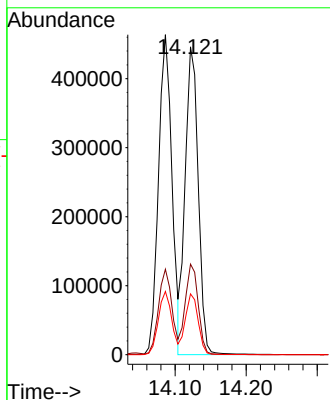
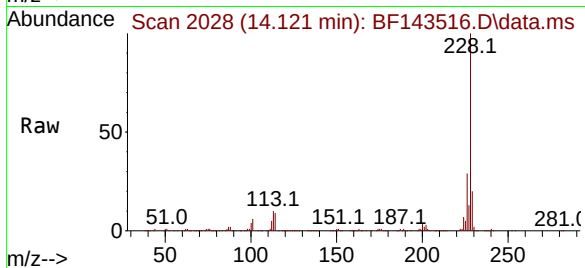




#83
Chrysene
Concen: 40.110 ng
RT: 14.121 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

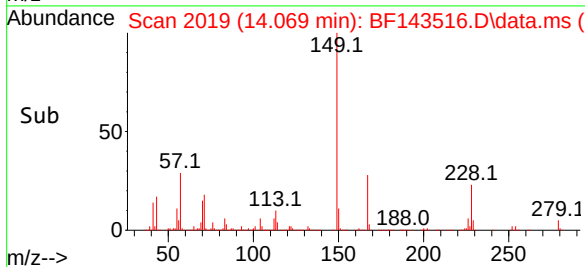
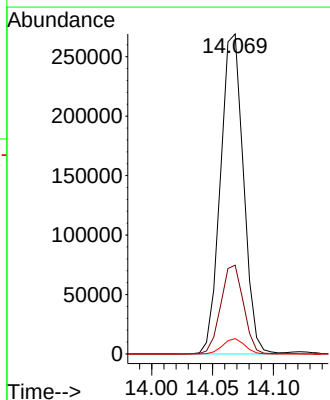
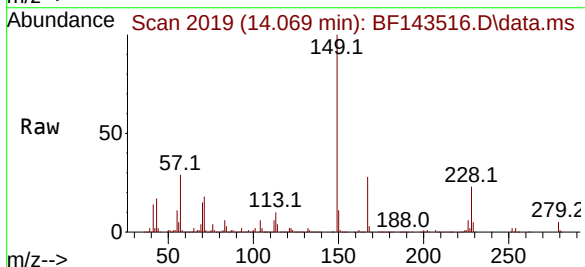
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

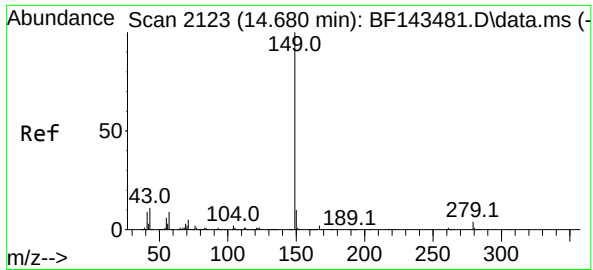
Tgt Ion:228 Resp: 569457
Ion Ratio Lower Upper
228 100
226 29.4 23.7 35.5
229 19.7 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.100 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:149 Resp: 353573
Ion Ratio Lower Upper
149 100
167 27.7 22.2 33.2
279 4.8 3.6 5.4

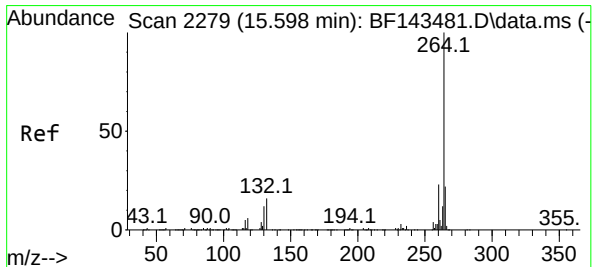
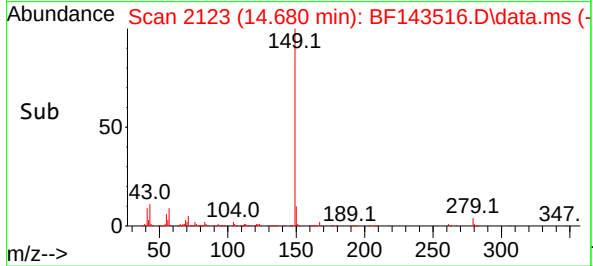
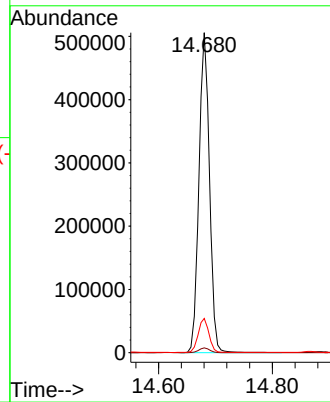
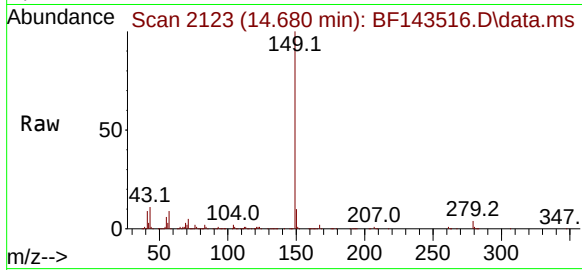




#85
Di-n-octyl phthalate
Concen: 42.003 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

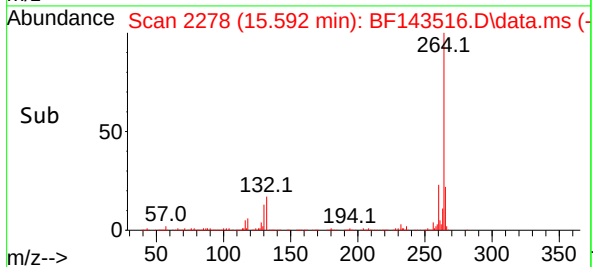
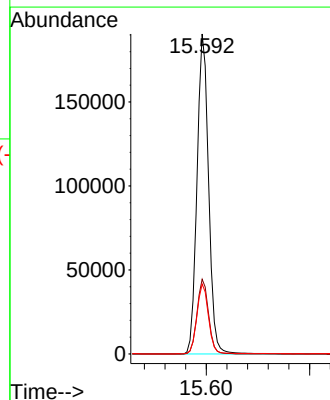
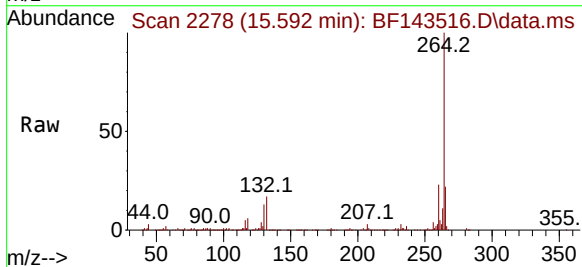
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

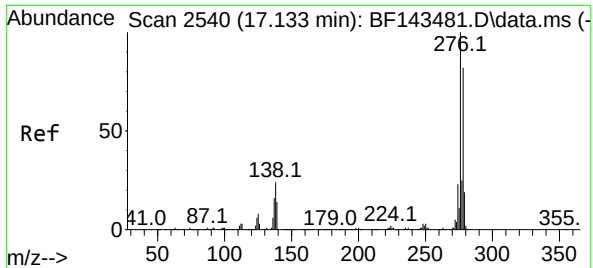
Tgt Ion:149 Resp: 653491
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.8 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:264 Resp: 295910
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.9 17.6 26.4

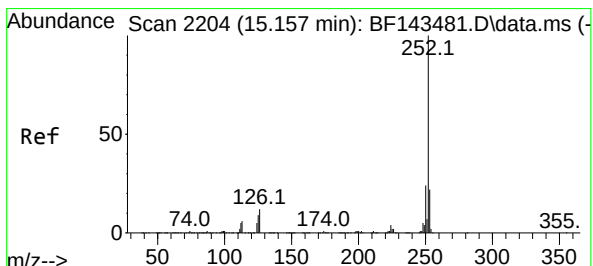
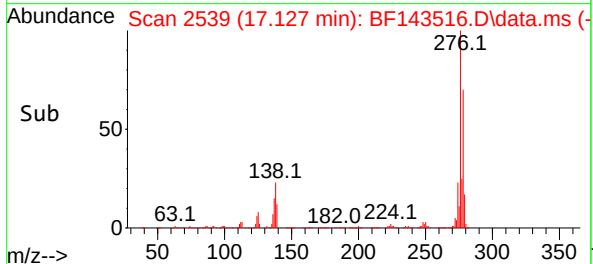
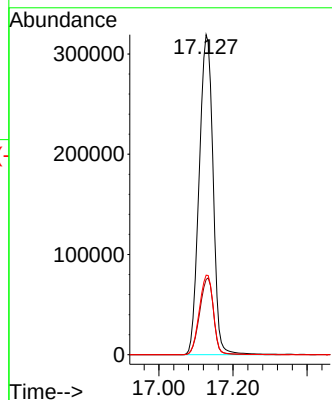
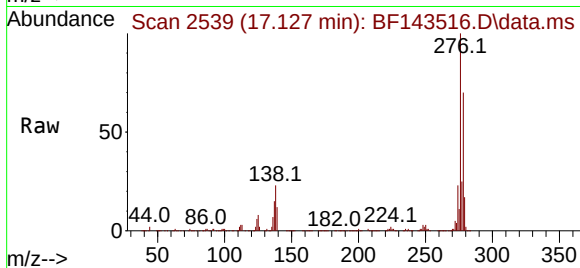




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.018 ng
RT: 17.127 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

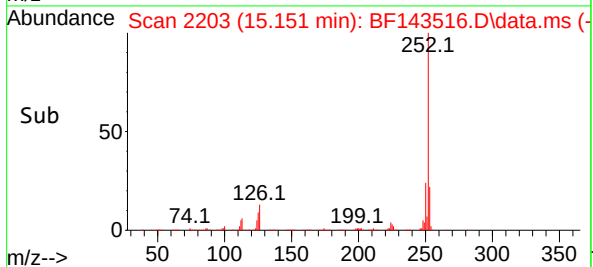
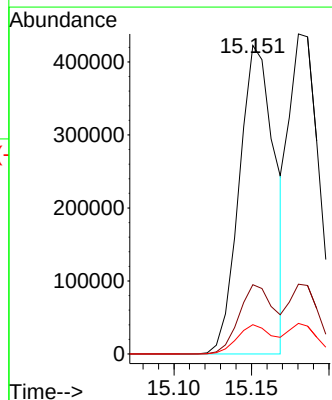
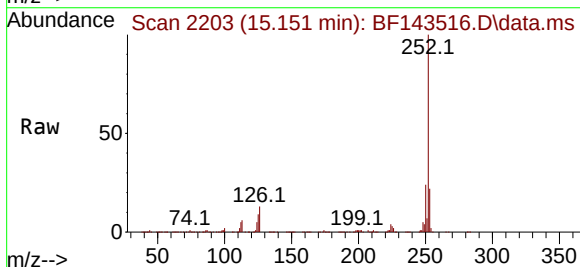
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

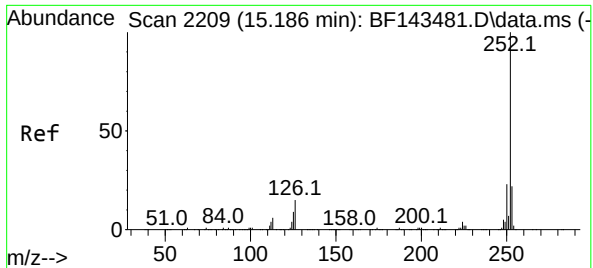
Tgt Ion:276 Resp: 829688
Ion Ratio Lower Upper
276 100
138 23.9 19.2 28.8
277 25.2 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 40.852 ng
RT: 15.151 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:252 Resp: 671954
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 9.5 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 37.893 ng

RT: 15.180 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

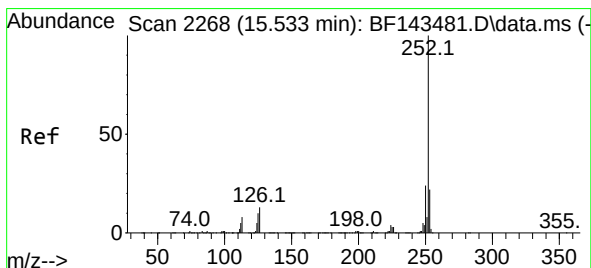
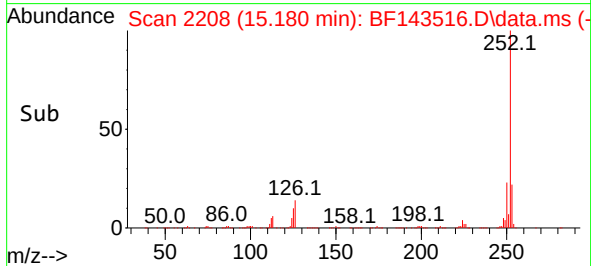
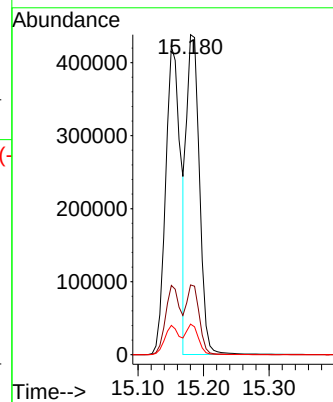
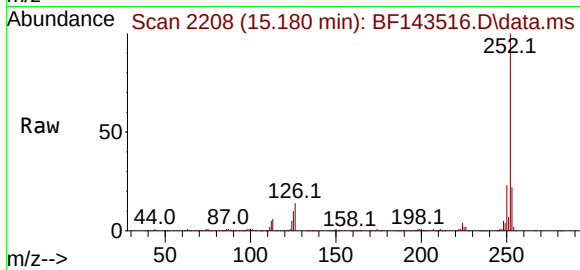
Tgt Ion:252 Resp: 596771

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 9.6 7.4 11.0



#90

Benzo(a)pyrene

Concen: 40.175 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143516.D

Acq: 21 Aug 2025 06:44

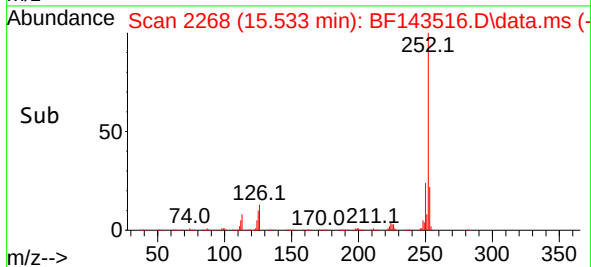
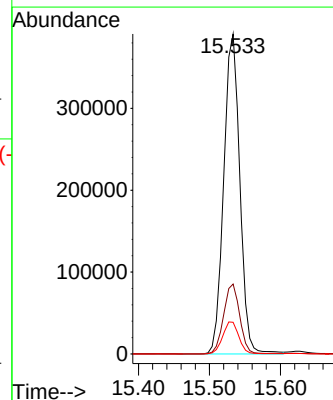
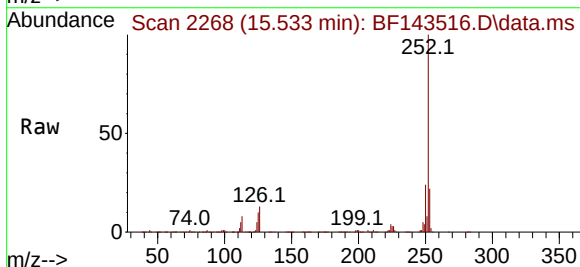
Tgt Ion:252 Resp: 613387

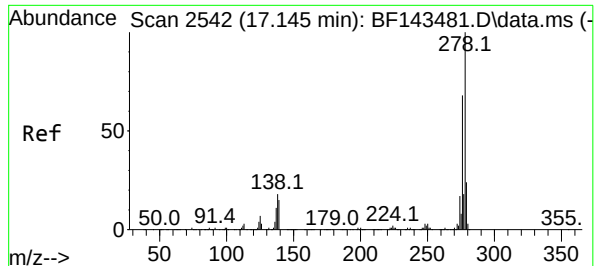
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.9 8.2 12.2

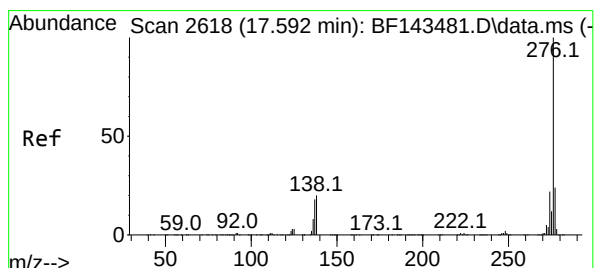
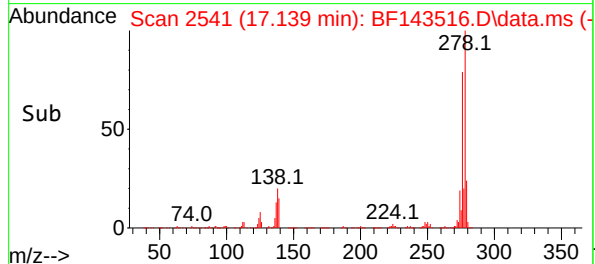
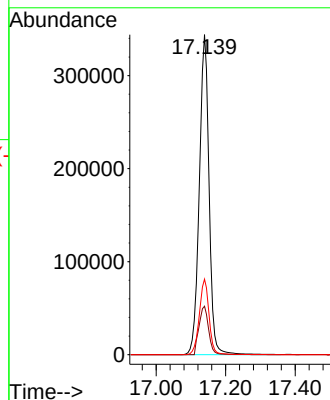
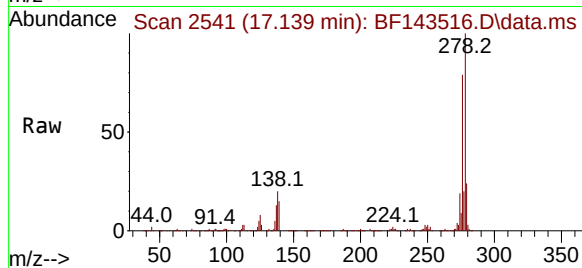




#91
Dibenzo(a,h)anthracene
Concen: 39.400 ng
RT: 17.139 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

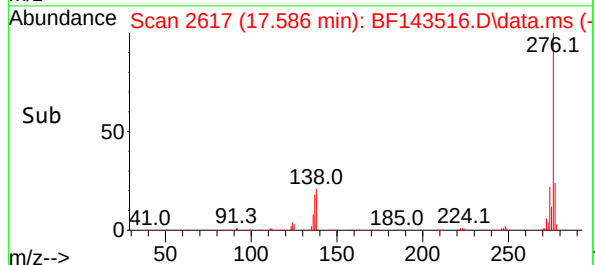
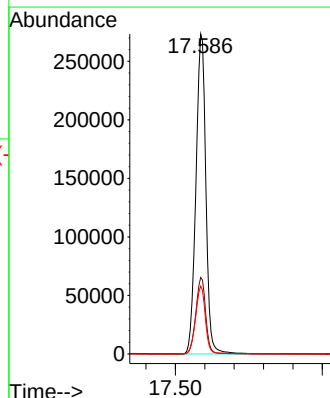
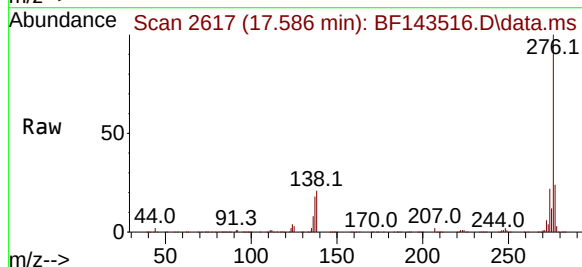
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 670989
Ion Ratio Lower Upper
278 100
139 15.1 12.1 18.1
279 23.6 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 37.945 ng
RT: 17.586 min Scan# 2617
Delta R.T. -0.018 min
Lab File: BF143516.D
Acq: 21 Aug 2025 06:44

Tgt Ion:276 Resp: 642548
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 21.2 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	1,4-Dioxane	0.531	0.534	-0.6	99	0.00
3	Pyridine	1.413	1.423	-0.7	99	0.00
4	n-Nitrosodimethylamine	0.635	0.636	-0.2	99	-0.02
5 S	2-Fluorophenol	1.145	1.126	1.7	99	0.00
6	Aniline	1.890	1.835	2.9	97	0.00
7 S	Phenol-d6	1.414	1.374	2.8	97	-0.01
8	2-Chlorophenol	1.265	1.233	2.5	97	0.00
9	Benzaldehyde	1.145	1.296	-13.2	108	0.00
10 C	Phenol	1.629	1.615	0.9	98	0.00
11	bis(2-Chloroethyl)ether	1.217	1.190	2.2	98	0.00
12	1,3-Dichlorobenzene	1.421	1.391	2.1	98	0.00
13 C	1,4-Dichlorobenzene	1.426	1.385	2.9	98	0.00
14	1,2-Dichlorobenzene	1.350	1.317	2.4	97	0.00
15	Benzyl Alcohol	1.059	1.062	-0.3	98	0.00
16	2,2'-oxybis(1-Chloropropane	1.947	1.881	3.4	96	0.00
17	2-Methylphenol	1.015	1.006	0.9	99	0.00
18	Hexachloroethane	0.485	0.476	1.9	97	0.00
19 P	n-Nitroso-di-n-propylamine	0.864	0.835	3.4	99	-0.01
20	3+4-Methylphenols	1.212	1.199	1.1	98	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	98	0.00
22	Acetophenone	0.432	0.422	2.3	99	0.00
23 S	Nitrobenzene-d5	0.343	0.343	0.0	98	-0.01
24	Nitrobenzene	0.353	0.357	-1.1	98	0.00
25	Isophorone	0.628	0.628	0.0	99	-0.01
26 C	2-Nitrophenol	0.173	0.181	-4.6	100	0.00
27	2,4-Dimethylphenol	0.269	0.264	1.9	95	0.00
28	bis(2-Chloroethoxy)methane	0.386	0.386	0.0	98	0.00
29 C	2,4-Dichlorophenol	0.288	0.287	0.3	97	0.00
30	1,2,4-Trichlorobenzene	0.296	0.294	0.7	98	0.00
31	Naphthalene	0.960	0.938	2.3	97	0.00
32	Benzoic acid	0.137	0.139	-1.5	93	-0.03
33	4-Chloroaniline	0.341	0.332	2.6	95	0.00
34 C	Hexachlorobutadiene	0.193	0.193	0.0	98	0.00
35	Caprolactam	0.069	0.076	-10.1	104	-0.02
36 C	4-Chloro-3-methylphenol	0.288	0.291	-1.0	99	0.00
37	2-Methylnaphthalene	0.641	0.622	3.0	96	0.00
38	1-Methylnaphthalene	0.613	0.593	3.3	96	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40	1,2,4,5-Tetrachlorobenzene	0.572	0.565	1.2	97	0.00
41 P	Hexachlorocyclopentadiene	0.184	0.166	9.8	81	0.00
42 S	2,4,6-Tribromophenol	0.186	0.181	2.7	94	0.00
43 C	2,4,6-Trichlorophenol	0.352	0.350	0.6	94	0.00
44	2,4,5-Trichlorophenol	0.385	0.386	-0.3	98	0.00
45 S	2-Fluorobiphenyl	1.210	1.163	3.9	98	0.00
46	1,1'-Biphenyl	1.420	1.380	2.8	96	0.00
47	2-Chloronaphthalene	1.114	1.088	2.3	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.326	0.331	-1.5	96	0.00
49	Acenaphthylene	1.595	1.557	2.4	96	0.00
50	Dimethylphthalate	1.205	1.222	-1.4	99	0.00
51	2,6-Dinitrotoluene	0.250	0.257	-2.8	96	0.00
52 C	Acenaphthene	1.083	1.029	5.0	93	0.00
53	3-Nitroaniline	0.270	0.268	0.7	94	0.00
54 P	2,4-Dinitrophenol	0.115	0.082	28.7#	66	0.00
55	Dibenzofuran	1.544	1.502	2.7	96	0.00
56 P	4-Nitrophenol	0.161	0.153	5.0	87	0.00
57	2,4-Dinitrotoluene	0.333	0.341	-2.4	94	0.00
58	Fluorene	1.188	1.137	4.3	95	0.00
59	2,3,4,6-Tetrachlorophenol	0.286	0.286	0.0	94	0.00
60	Diethylphthalate	1.080	1.117	-3.4	100	0.00
61	4-Chlorophenyl-phenylether	0.594	0.579	2.5	96	0.00
62	4-Nitroaniline	0.248	0.245	1.2	93	-0.01
63	Azobenzene	1.120	1.096	2.1	95	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.105	7.1	82	0.00
66 c	n-Nitrosodiphenylamine	0.644	0.645	-0.2	93	0.00
67	4-Bromophenyl-phenylether	0.239	0.246	-2.9	95	0.00
68	Hexachlorobenzene	0.257	0.258	-0.4	93	0.00
69	Atrazine	0.166	0.189	-13.9	105	0.00
70 C	Pentachlorophenol	0.118	0.112	5.1	84	0.00
71	Phenanthrene	1.071	1.050	2.0	94	0.00
72	Anthracene	1.085	1.062	2.1	92	0.00
73	Carbazole	0.889	0.860	3.3	91	0.00
74	Di-n-butylphthalate	0.829	0.927	-11.8	101	0.00
75 C	Fluoranthene	0.961	0.897	6.7	88	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77	Benzidine	0.487	0.475	2.5	90	0.00
78	Pyrene	1.645	1.474	10.4	89	0.00
79 S	Terphenyl-d14	1.146	1.057	7.8	92	0.00
80	Butylbenzylphthalate	0.449	0.491	-9.4	103	0.00
81	Benzo(a)anthracene	1.288	1.249	3.0	93	0.00
82	3,3'-Dichlorobenzidine	0.369	0.392	-6.2	103	0.00
83	Chrysene	1.157	1.160	-0.3	102	0.00
84	Bis(2-ethylhexyl)phthalate	0.685	0.720	-5.1	100	0.00
85 c	Di-n-octyl phthalate	1.268	1.332	-5.0	101	0.00
86 I	Perylene-d12	1.000	1.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	1.437	1.402	2.4	99	-0.01
88	Benzo(b)fluoranthene	1.112	1.135	-2.1	109	0.00
89	Benzo(k)fluoranthene	1.064	1.008	5.3	96	-0.01
90 C	Benzo(a)pyrene	1.032	1.036	-0.4	103	0.00
91	Dibenzo(a,h)anthracene	1.151	1.134	1.5	100	-0.02
92	Benzo(g,h,i)perylene	1.145	1.086	5.2	96	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	100	0.00
2	1,4-Dioxane	40.000	40.266	-0.7	99	0.00
3	Pyridine	40.000	40.291	-0.7	99	0.00
4	n-Nitrosodimethylamine	40.000	40.055	-0.1	99	-0.02
5 S	2-Fluorophenol	80.000	78.639	1.7	99	0.00
6	Aniline	40.000	38.836	2.9	97	0.00
7 S	Phenol-d6	80.000	77.747	2.8	97	-0.01
8	2-Chlorophenol	40.000	38.991	2.5	97	0.00
9	Benzaldehyde	40.000	45.296	-13.2	108	0.00
10 C	Phenol	40.000	39.657	0.9	98	0.00
11	bis(2-Chloroethyl)ether	40.000	39.111	2.2	98	0.00
12	1,3-Dichlorobenzene	40.000	39.153	2.1	98	0.00
13 C	1,4-Dichlorobenzene	40.000	38.855	2.9	98	0.00
14	1,2-Dichlorobenzene	40.000	39.014	2.5	97	0.00
15	Benzyl Alcohol	40.000	40.117	-0.3	98	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.635	3.4	96	0.00
17	2-Methylphenol	40.000	39.635	0.9	99	0.00
18	Hexachloroethane	40.000	39.240	1.9	97	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.648	3.4	99	-0.01
20	3+4-Methylphenols	40.000	39.557	1.1	98	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	98	0.00
22	Acetophenone	40.000	39.094	2.3	99	0.00
23 S	Nitrobenzene-d5	80.000	80.138	-0.2	98	-0.01
24	Nitrobenzene	40.000	40.446	-1.1	98	0.00
25	Isophorone	40.000	40.006	-0.0	99	-0.01
26 C	2-Nitrophenol	40.000	42.012	-5.0	100	0.00
27	2,4-Dimethylphenol	40.000	39.152	2.1	95	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.952	0.1	98	0.00
29 C	2,4-Dichlorophenol	40.000	39.911	0.2	97	0.00
30	1,2,4-Trichlorobenzene	40.000	39.782	0.5	98	0.00
31	Naphthalene	40.000	39.092	2.3	97	0.00
32	Benzoic acid	40.000	37.591	6.0	93	-0.03
33	4-Chloroaniline	40.000	38.986	2.5	95	0.00
34 C	Hexachlorobutadiene	40.000	39.969	0.1	98	0.00
35	Caprolactam	40.000	43.799	-9.5	104	-0.02
36 C	4-Chloro-3-methylphenol	40.000	40.394	-1.0	99	0.00
37	2-Methylnaphthalene	40.000	38.808	3.0	96	0.00
38	1-Methylnaphthalene	40.000	38.685	3.3	96	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.505	1.2	97	0.00
41 P	Hexachlorocyclopentadiene	40.000	33.894	15.3	81	0.00
42 S	2,4,6-Tribromophenol	80.000	77.956	2.6	94	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.825	0.4	94	0.00
44	2,4,5-Trichlorophenol	40.000	40.163	-0.4	98	0.00
45 S	2-Fluorobiphenyl	80.000	76.887	3.9	98	0.00
46	1,1'-Biphenyl	40.000	38.879	2.8	96	0.00
47	2-Chloronaphthalene	40.000	39.061	2.3	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.640	-1.6	96	0.00
49	Acenaphthylene	40.000	39.059	2.4	96	0.00
50	Dimethylphthalate	40.000	40.583	-1.5	99	0.00
51	2,6-Dinitrotoluene	40.000	41.159	-2.9	96	0.00
52 C	Acenaphthene	40.000	38.011	5.0	93	0.00
53	3-Nitroaniline	40.000	39.678	0.8	94	0.00
54 P	2,4-Dinitrophenol	40.000	28.170	29.6#	66	0.00
55	Dibenzofuran	40.000	38.919	2.7	96	0.00
56 P	4-Nitrophenol	40.000	38.203	4.5	87	0.00
57	2,4-Dinitrotoluene	40.000	40.880	-2.2	94	0.00
58	Fluorene	40.000	38.288	4.3	95	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.017	-0.0	94	0.00
60	Diethylphthalate	40.000	41.355	-3.4	100	0.00
61	4-Chlorophenyl-phenylether	40.000	38.987	2.5	96	0.00
62	4-Nitroaniline	40.000	39.506	1.2	93	-0.01
63	Azobenzene	40.000	39.155	2.1	95	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.226	6.9	82	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.062	-0.2	93	0.00
67	4-Bromophenyl-phenylether	40.000	41.154	-2.9	95	0.00
68	Hexachlorobenzene	40.000	40.112	-0.3	93	0.00
69	Atrazine	40.000	45.568	-13.9	105	0.00
70 C	Pentachlorophenol	40.000	38.100	4.7	84	0.00
71	Phenanthrene	40.000	39.223	1.9	94	0.00
72	Anthracene	40.000	39.146	2.1	92	0.00
73	Carbazole	40.000	38.707	3.2	91	0.00
74	Di-n-butylphthalate	40.000	44.721	-11.8	101	0.00
75 C	Fluoranthene	40.000	37.338	6.7	88	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77	Benzydine	40.000	39.014	2.5	90	0.00
78	Pyrene	40.000	35.848	10.4	89	0.00
79 S	Terphenyl-d14	80.000	73.802	7.7	92	0.00
80	Butylbenzylphthalate	40.000	43.715	-9.3	103	0.00
81	Benzo(a)anthracene	40.000	38.789	3.0	93	0.00
82	3,3'-Dichlorobenzidine	40.000	42.571	-6.4	103	0.00
83	Chrysene	40.000	40.110	-0.3	102	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.100	-5.3	100	0.00
85 c	Di-n-octyl phthalate	40.000	42.003	-5.0	101	0.00
86 I	Perylene-d12	20.000	20.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.018	2.5	99	-0.01
88	Benzo(b)fluoranthene	40.000	40.852	-2.1	109	0.00
89	Benzo(k)fluoranthene	40.000	37.893	5.3	96	-0.01
90 C	Benzo(a)pyrene	40.000	40.175	-0.4	103	0.00
91	Dibenzo(a,h)anthracene	40.000	39.400	1.5	100	-0.02
92	Benzo(g,h,i)perylene	40.000	37.945	5.1	96	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143516.D
Acq On : 21 Aug 2025 06:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:07:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/21/2025</u> <u>09:21</u>
Lab File ID:	<u>BF143518.D</u>	Init. Calib. Date(s):	<u>08/20/2025</u> <u>08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:55</u> <u>14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.132		-1.1	
Benzaldehyde	1.145	1.256		9.7	
Phenol-d6	1.414	1.413		-0.1	
Phenol	1.629	1.644		0.9	20.0
bis(2-Chloroethyl)ether	1.217	1.227		0.8	
2-Chlorophenol	1.265	1.272		0.6	
2-Methylphenol	1.015	1.028		1.3	
2,2-oxybis(1-Chloropropane)	1.947	1.939		-0.4	
Acetophenone	0.432	0.427		-1.2	
3+4-Methylphenols	1.212	1.227		1.2	
n-Nitroso-di-n-propylamine	0.864	0.860	0.050	-0.5	
Nitrobenzene-d5	0.343	0.348		1.5	
Hexachloroethane	0.485	0.490		1.0	
Nitrobenzene	0.353	0.362		2.5	
Isophorone	0.628	0.630		0.3	
2-Nitrophenol	0.173	0.180		4.0	20.0
2,4-Dimethylphenol	0.269	0.270		0.4	
bis(2-Chloroethoxy)methane	0.386	0.384		-0.5	
2,4-Dichlorophenol	0.288	0.290		0.7	20.0
Naphthalene	0.960	0.950		-1.0	
4-Chloroaniline	0.341	0.339		-0.6	
Hexachlorobutadiene	0.193	0.194		0.5	20.0
Caprolactam	0.069	0.078		13.0	
4-Chloro-3-methylphenol	0.288	0.289		0.3	20.0
2-Methylnaphthalene	0.641	0.627		-2.2	
Hexachlorocyclopentadiene	0.184	0.169	0.050	-8.2	
2,4,6-Trichlorophenol	0.352	0.355		0.9	20.0
2-Fluorobiphenyl	1.210	1.177		-2.7	
2,4,5-Trichlorophenol	0.385	0.380		-1.3	
1,1-Biphenyl	1.420	1.391		-2.0	
2-Chloronaphthalene	1.114	1.096		-1.6	
2-Nitroaniline	0.326	0.335		2.8	
Dimethylphthalate	1.205	1.250		3.7	
Acenaphthylene	1.595	1.578		-1.1	
2,6-Dinitrotoluene	0.250	0.265		6.0	
3-Nitroaniline	0.270	0.278		3.0	
Acenaphthene	1.083	1.067		-1.5	20.0
2,4-Dinitrophenol	0.115	0.109	0.050	-5.2	
4-Nitrophenol	0.161	0.155	0.050	-3.7	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_F Calibration Date/Time: 08/21/2025 09:21
 Lab File ID: BF143518.D Init. Calib. Date(s): 08/20/2025 08/20/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:55 14:20
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.525		-1.2	
2,4-Dinitrotoluene	0.333	0.357		7.2	
Diethylphthalate	1.080	1.140		5.6	
4-Chlorophenyl-phenylether	0.594	0.589		-0.8	
Fluorene	1.188	1.164		-2.0	
4-Nitroaniline	0.248	0.258		4.0	
4,6-Dinitro-2-methylphenol	0.113	0.107		-5.3	
n-Nitrosodiphenylamine	0.644	0.645		0.2	20.0
2,4,6-Tribromophenol	0.186	0.186		0.0	
4-Bromophenyl-phenylether	0.239	0.242		1.3	
Hexachlorobenzene	0.257	0.257		0.0	
Atrazine	0.166	0.195		17.5	
Pentachlorophenol	0.118	0.106		-10.2	20.0
Phenanthrene	1.071	1.052		-1.8	
Anthracene	1.085	1.065		-1.8	
Carbazole	0.889	0.875		-1.6	
Di-n-butylphthalate	0.829	0.956		15.3	
Fluoranthene	0.961	0.922		-4.1	20.0
Pyrene	1.645	1.514		-8.0	
Terphenyl-d14	1.146	1.094		-4.5	
Butylbenzylphthalate	0.449	0.485		8.0	
3,3-Dichlorobenzidine	0.369	0.377		2.2	
Benzo (a) anthracene	1.288	1.239		-3.8	
Chrysene	1.157	1.147		-0.9	
Bis (2-ethylhexyl) phthalate	0.685	0.692		1.0	
Di-n-octyl phthalate	1.268	1.238		-2.4	20.0
Benzo (b) fluoranthene	1.112	1.175		5.7	
Benzo (k) fluoranthene	1.064	0.980		-7.9	
Benzo (a) pyrene	1.032	1.024		-0.8	20.0
Indeno (1,2,3-cd) pyrene	1.437	1.375		-4.3	
Dibenzo (a,h) anthracene	1.151	1.117		-3.0	
Benzo (g,h,i) perylene	1.145	1.055		-7.9	
1,2,4,5-Tetrachlorobenzene	0.572	0.568		-0.7	
1,4-Dioxane	0.531	0.541		1.9	20.0
2,3,4,6-Tetrachlorophenol	0.286	0.289		1.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143518.D
 Acq On : 21 Aug 2025 09:21
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	118001	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	448774	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	244595	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	369706	20.000	ng	0.00
76) Chrysene-d12	14.098	240	222503	20.000	ng	0.00
86) Perylene-d12	15.592	264	262934	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	534460	79.089	ng	0.00
7) Phenol-d6	6.563	99	667138	79.973	ng	-0.01
23) Nitrobenzene-d5	7.487	82	624678	81.228	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	181773	79.836	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1151723	77.819	ng	0.00
79) Terphenyl-d14	13.033	244	973817	76.374	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.734	88	127663	40.780	ng	99
3) Pyridine	3.510	79	338120	40.552	ng	99
4) n-Nitrosodimethylamine	3.457	42	150541	40.163	ng	98
6) Aniline	6.587	93	449531	40.315	ng	91
8) 2-Chlorophenol	6.716	128	300113	40.208	ng	100
9) Benzaldehyde	6.475	77	296436	43.891	ng	96
10) Phenol	6.575	94	387980	40.372	ng	92
11) bis(2-Chloroethyl)ether	6.657	93	289515	40.314	ng	99
12) 1,3-Dichlorobenzene	6.869	146	333800	39.802	ng	99
13) 1,4-Dichlorobenzene	6.945	146	336877	40.045	ng	99
14) 1,2-Dichlorobenzene	7.098	146	319564	40.122	ng	100
15) Benzyl Alcohol	7.069	79	254573	40.760	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.193	45	457661	39.834	ng	90
17) 2-Methylphenol	7.181	107	242686	40.511	ng	97
18) Hexachloroethane	7.440	117	115654	40.435	ng	97
19) n-Nitroso-di-n-propyla...	7.334	70	203044	39.822	ng	99
20) 3+4-Methylphenols	7.334	107	289653	40.503	ng	98
22) Acetophenone	7.334	105	383042	39.507	ng	99
24) Nitrobenzene	7.504	77	324679	41.020	ng	99
25) Isophorone	7.745	82	565357	40.104	ng	100
26) 2-Nitrophenol	7.822	139	161941	41.767	ng	97
27) 2,4-Dimethylphenol	7.863	122	242413	40.108	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	344305	39.742	ng	100
29) 2,4-Dichlorophenol	8.069	162	260040	40.285	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	265906	40.066	ng	98
31) Naphthalene	8.234	128	852935	39.587	ng	100
32) Benzoic acid	7.975	122	117106	35.717	ng	98
33) 4-Chloroaniline	8.275	127	304385	39.804	ng	99
34) Hexachlorobutadiene	8.351	225	174035	40.194	ng	100
35) Caprolactam	8.645	113	69912	45.135	ng	98
36) 4-Chloro-3-methylphenol	8.763	107	259690	40.144	ng	99
37) 2-Methylnaphthalene	8.922	142	562491	39.089	ng	100
38) 1-Methylnaphthalene	9.022	142	542827	39.436	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	277705	39.693	ng	100
41) Hexachlorocyclopentadiene	9.081	237	82522	34.356	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	173645	40.335	ng	100

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Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

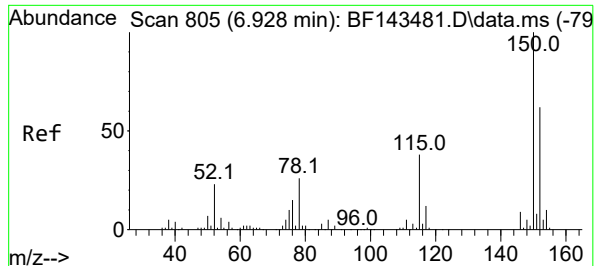
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	186067	39.568	ng	99
46) 1,1'-Biphenyl	9.386	154	680592	39.203	ng	99
47) 2-Chloronaphthalene	9.410	162	536315	39.372	ng	99
48) 2-Nitroaniline	9.504	65	163759	41.078	ng	97
49) Acenaphthylene	9.828	152	771789	39.570	ng	99
50) Dimethylphthalate	9.675	163	611411	41.504	ng	100
51) 2,6-Dinitrotoluene	9.745	165	129744	42.495	ng	98
52) Acenaphthene	9.998	154	521988	39.417	ng	100
53) 3-Nitroaniline	9.916	138	135772	41.155	ng	99
54) 2,4-Dinitrophenol	10.022	184	53382	35.824	ng	93
55) Dibenzofuran	10.169	168	745949	39.509	ng	99
56) 4-Nitrophenol	10.081	139	75600	38.513	ng	95
57) 2,4-Dinitrotoluene	10.145	165	174534	42.812	ng	97
58) Fluorene	10.516	166	569387	39.184	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	141362	40.463	ng	99
60) Diethylphthalate	10.381	149	557513	42.212	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	288368	39.680	ng	98
62) 4-Nitroaniline	10.528	138	126293	41.677	ng	99
63) Azobenzene	10.663	77	549552	40.129	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	79062	37.928	ng	98
66) n-Nitrosodiphenylamine	10.622	169	477218	40.110	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	178840	40.542	ng	97
68) Hexachlorobenzene	11.069	284	190099	39.979	ng	99
69) Atrazine	11.145	200	143876	46.846	ng	99
70) Pentachlorophenol	11.263	266	78686	36.133	ng	99
71) Phenanthrene	11.475	178	777957	39.294	ng	100
72) Anthracene	11.528	178	787324	39.255	ng	100
73) Carbazole	11.680	167	647183	39.380	ng	99
74) Di-n-butylphthalate	12.004	149	707138	46.124	ng	99
75) Fluoranthene	12.669	202	681682	38.372	ng	99
77) Benzidine	12.780	184	216953	40.029	ng	99
78) Pyrene	12.898	202	673559	36.801	ng	99
80) Butylbenzylphthalate	13.504	149	215877	43.176	ng	100
81) Benzo(a)anthracene	14.086	228	551541	38.502	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	167699	40.879	ng	98
83) Chrysene	14.121	228	510484	39.654	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	308015	40.447	ng	99
85) Di-n-octyl phthalate	14.680	149	551091	39.064	ng	100
87) Indeno(1,2,3-cd)pyrene	17.127	276	722883	38.259	ng	100
88) Benzo(b)fluoranthene	15.151	252	618031	42.286	ng	99
89) Benzo(k)fluoranthene	15.180	252	515140	36.812	ng	99
90) Benzo(a)pyrene	15.533	252	538725	39.710	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	587454	38.822	ng	99
92) Benzo(g,h,i)perylene	17.586	276	554893	36.878	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

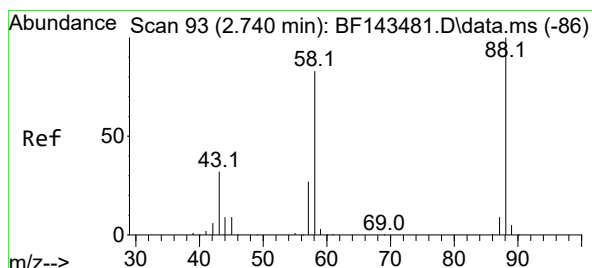
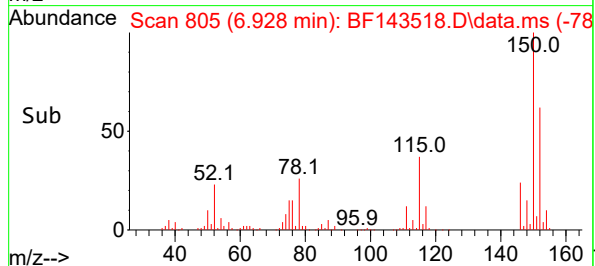
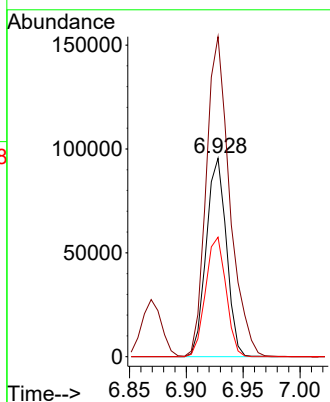
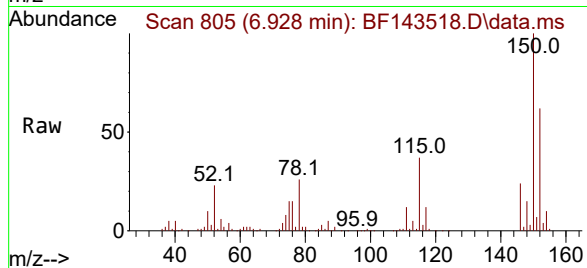
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

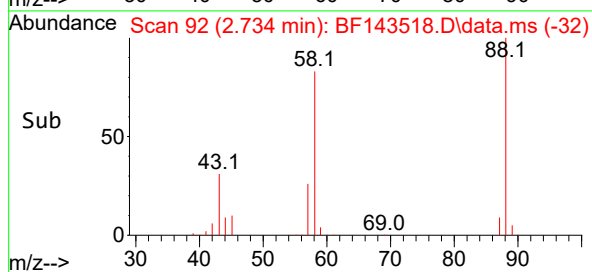
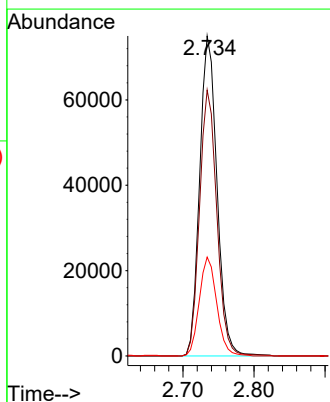
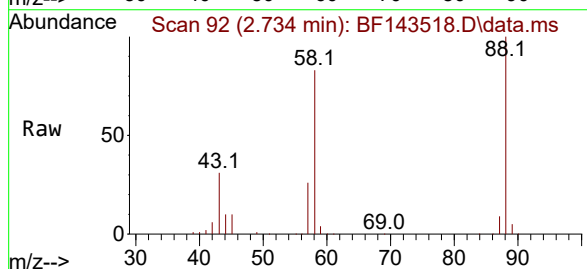
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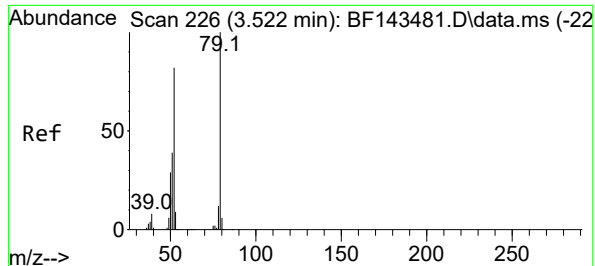
Tgt Ion:152 Resp: 118001
Ion Ratio Lower Upper
152 100
150 161.3 128.9 193.3
115 60.3 49.2 73.8



#2
1,4-Dioxane
Concen: 40.780 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 88 Resp: 127663
Ion Ratio Lower Upper
88 100
58 82.7 66.7 100.1
43 31.1 25.8 38.8

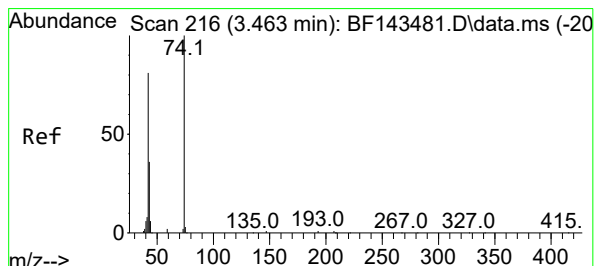
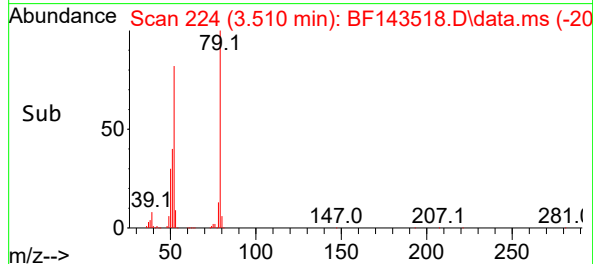
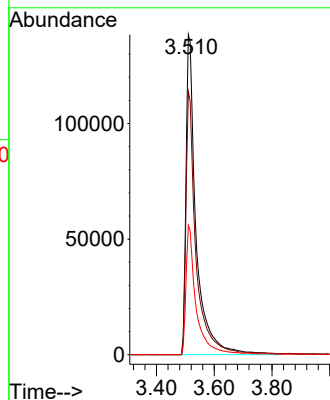
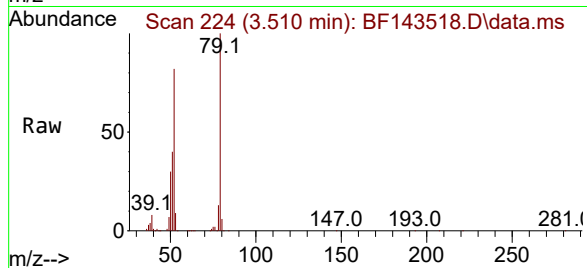




#3
Pyridine
Concen: 40.552 ng
RT: 3.510 min Scan# 215
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

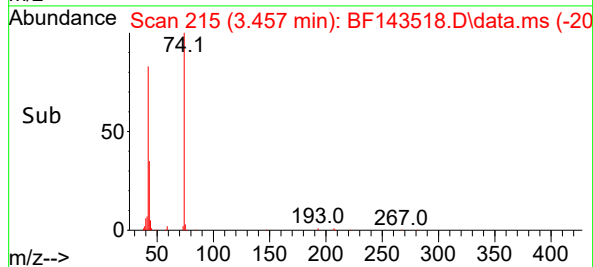
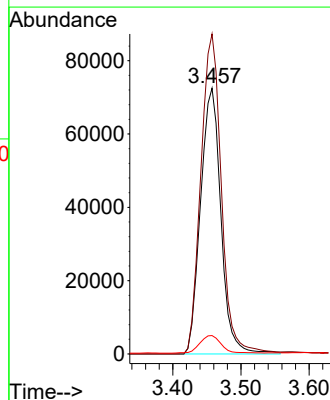
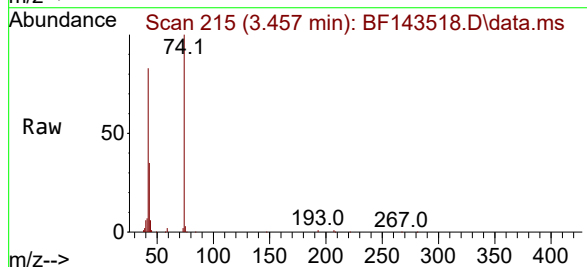
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ClientSampleId :
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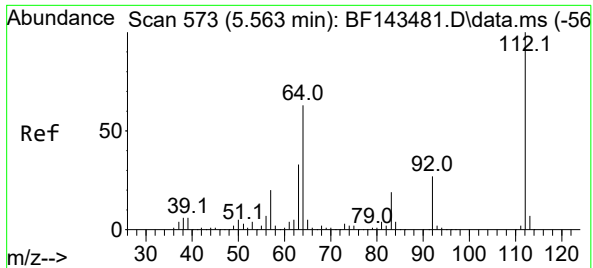
Tgt Ion: 79 Resp: 338120
Ion Ratio Lower Upper
79 100
52 82.2 65.6 98.4
51 40.4 31.2 46.8



#4
n-Nitrosodimethylamine
Concen: 40.163 ng
RT: 3.457 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 42 Resp: 150541
Ion Ratio Lower Upper
42 100
74 120.4 98.6 148.0
44 6.9 5.8 8.8

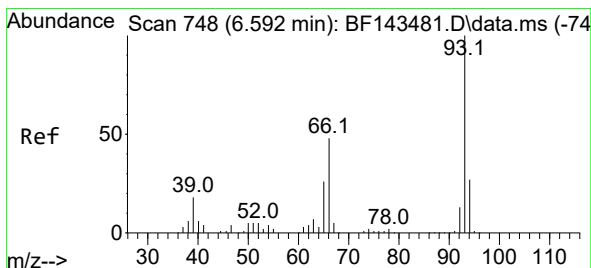
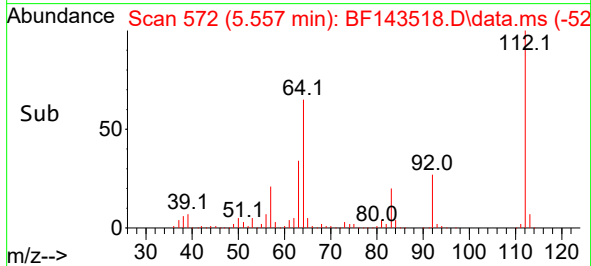
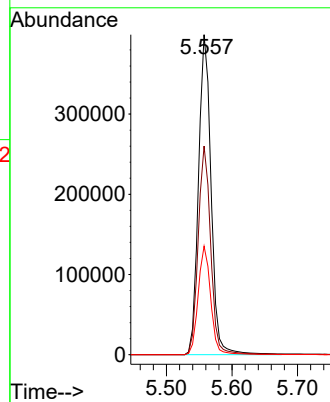
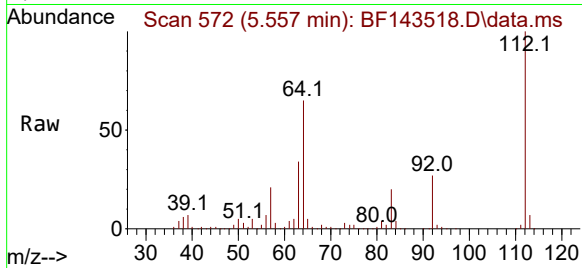




#5
2-Fluorophenol
Concen: 79.089 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

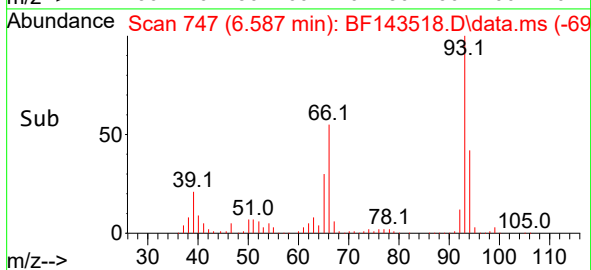
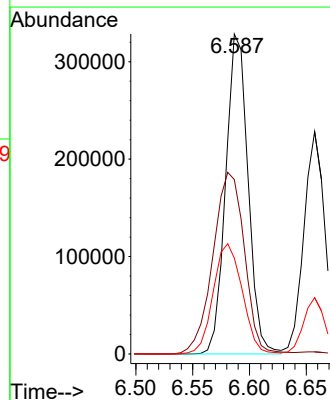
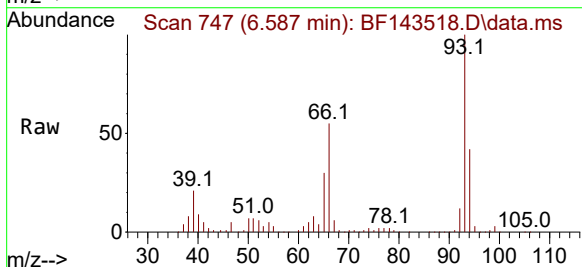
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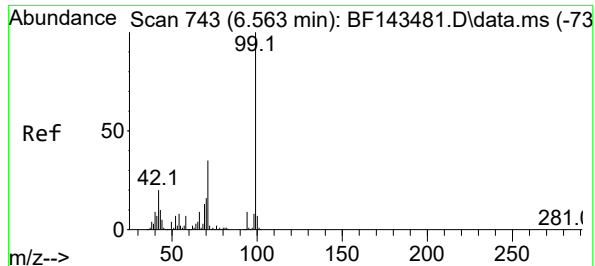
Tgt Ion:112 Resp: 534460
Ion Ratio Lower Upper
112 100
64 65.2 50.4 75.6
63 33.9 26.4 39.6



#6
Aniline
Concen: 40.315 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 93 Resp: 449531
Ion Ratio Lower Upper
93 100
66 54.5 38.9 58.3
65 30.0 20.6 30.8





#7

Phenol-d6

Concen: 79.973 ng

RT: 6.563 min Scan# 743

Delta R.T. -0.012 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

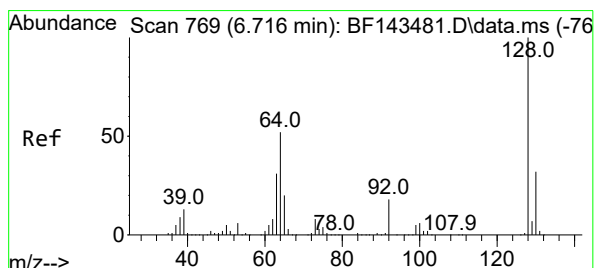
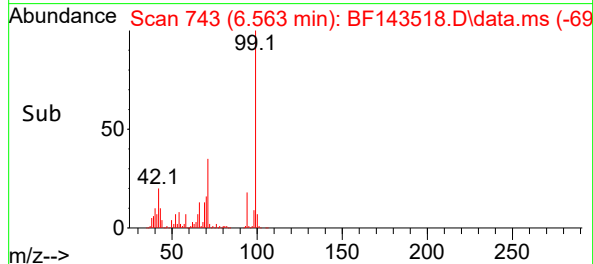
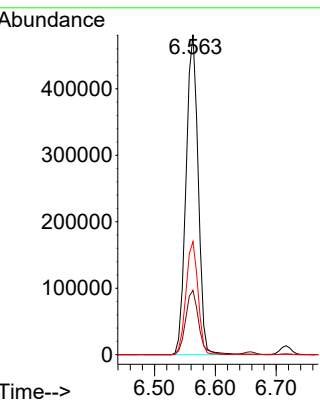
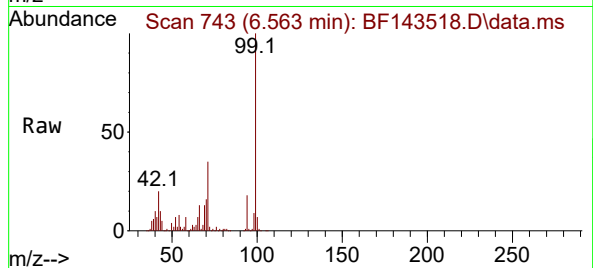
Tgt Ion: 99 Resp: 667138

Ion Ratio Lower Upper

99 100

42 20.1 16.3 24.5

71 35.3 28.2 42.2



#8

2-Chlorophenol

Concen: 40.208 ng

RT: 6.716 min Scan# 769

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

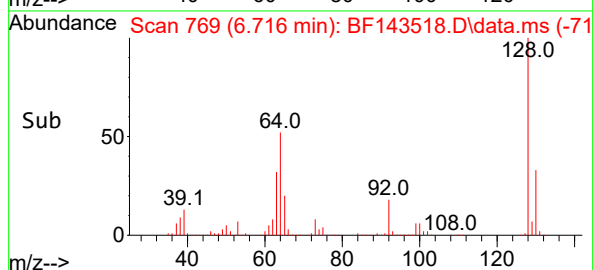
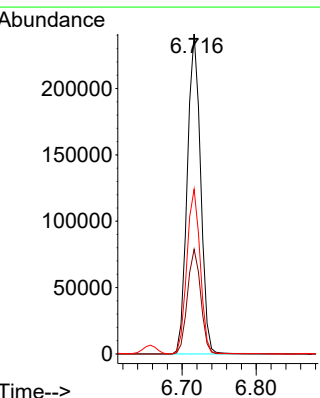
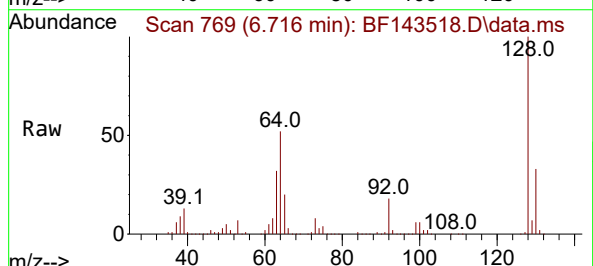
Tgt Ion: 128 Resp: 300113

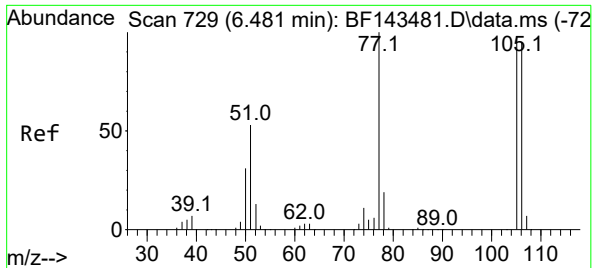
Ion Ratio Lower Upper

128 100

130 32.7 12.4 52.4

64 51.5 31.6 71.6

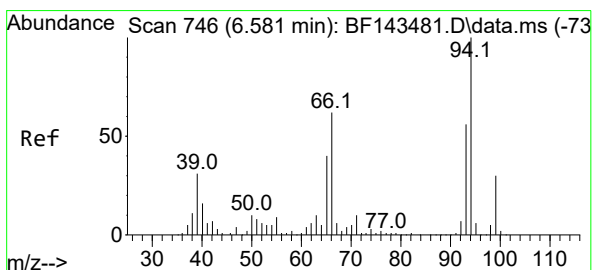
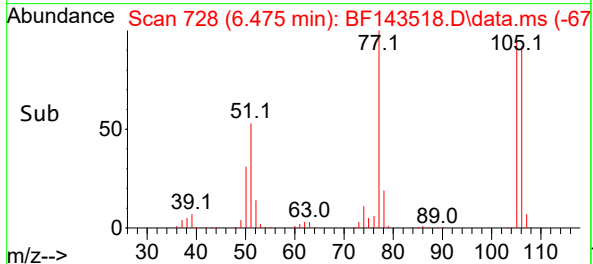
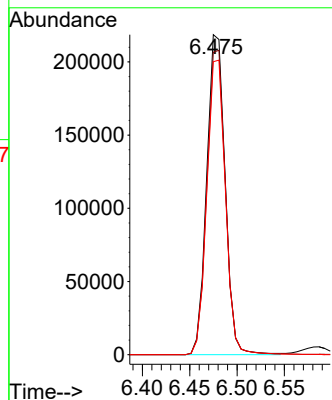
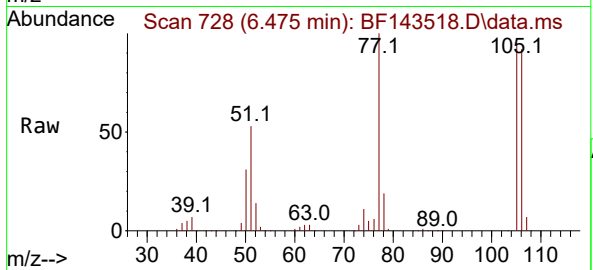




#9
Benzaldehyde
Concen: 43.891 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

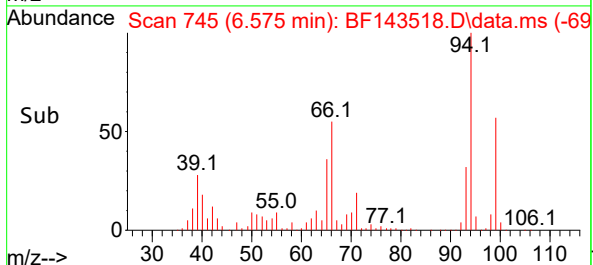
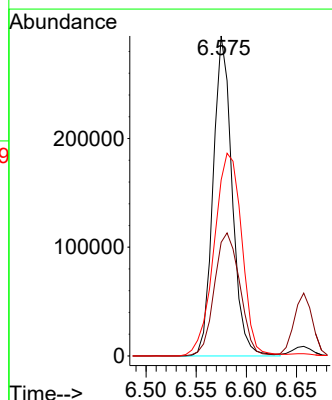
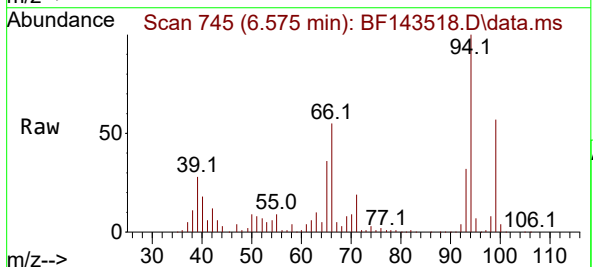
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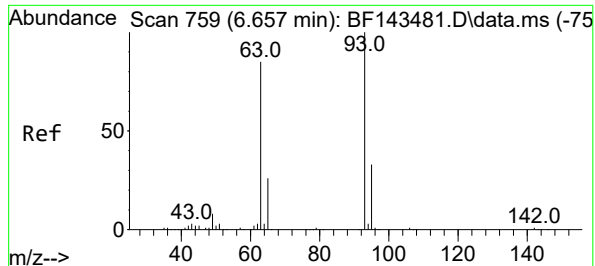
Tgt Ion: 77 Resp: 296436
Ion Ratio Lower Upper
77 100
105 94.6 78.1 118.1
106 91.6 74.9 114.9



#10
Phenol
Concen: 40.372 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 94 Resp: 387980
Ion Ratio Lower Upper
94 100
65 35.5 19.5 59.5
66 55.0 42.5 82.5

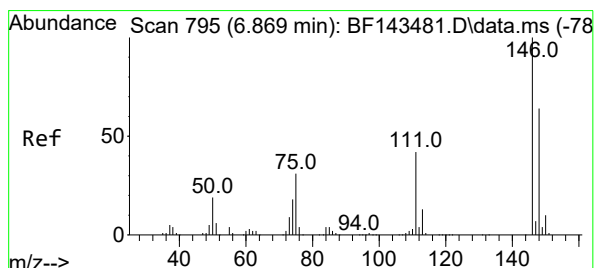
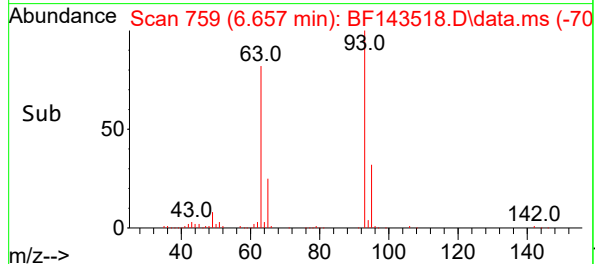
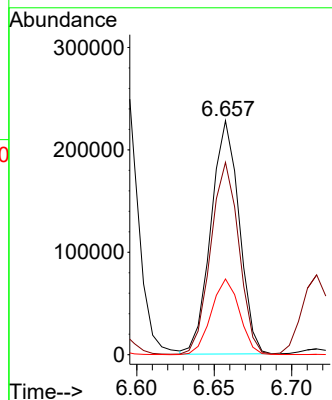
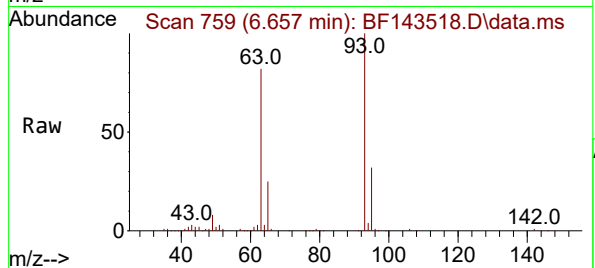




#11
 bis(2-Chloroethyl)ether
 Concen: 40.314 ng
 RT: 6.657 min Scan# 759
 Delta R.T. -0.006 min
 Lab File: BF143518.D
 Acq: 21 Aug 2025 09:21

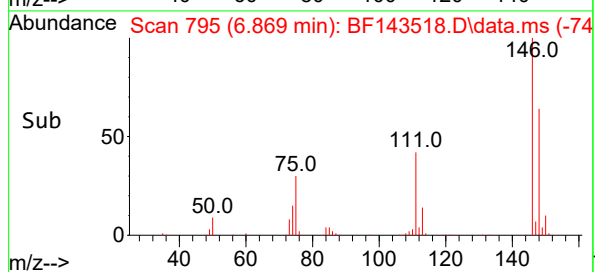
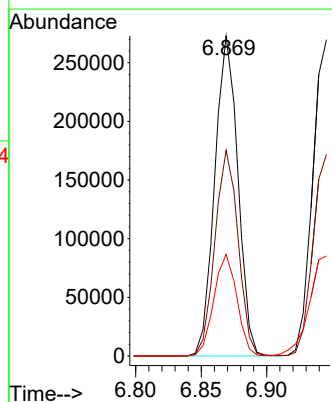
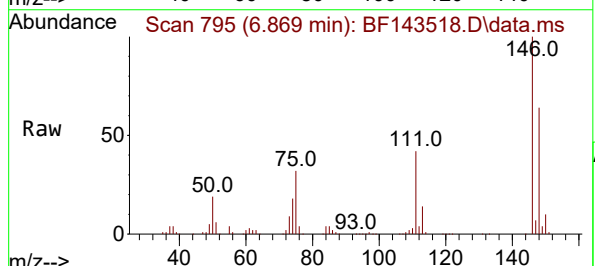
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 ClientSampleId :
 SSTDCCC040

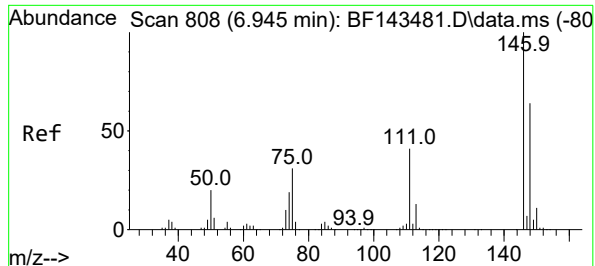
Tgt Ion: 93 Resp: 289515
 Ion Ratio Lower Upper
 93 100
 63 82.2 63.6 103.6
 95 32.4 12.8 52.8



#12
 1,3-Dichlorobenzene
 Concen: 39.802 ng
 RT: 6.869 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF143518.D
 Acq: 21 Aug 2025 09:21

Tgt Ion: 146 Resp: 333800
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.3 76.9
 75 31.8 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 40.045 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

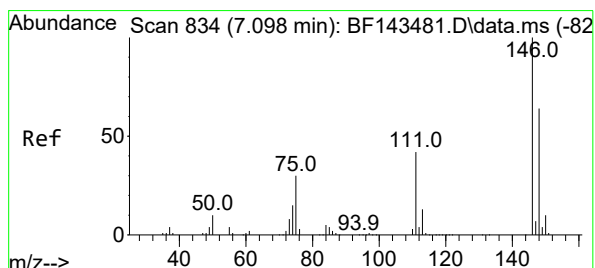
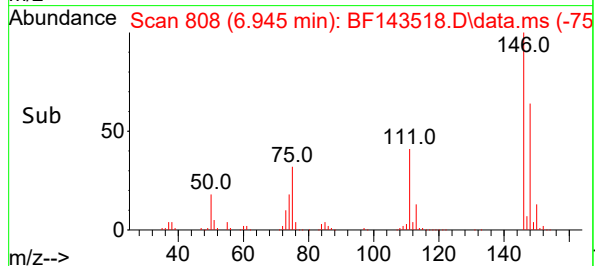
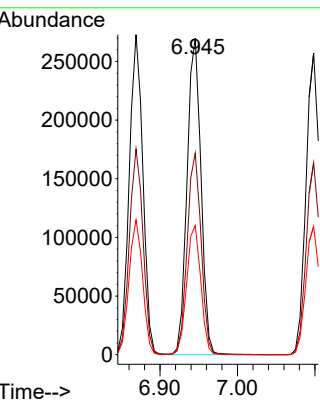
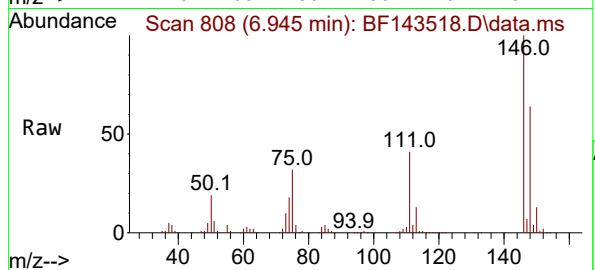
Tgt Ion:146 Resp: 336877

Ion Ratio Lower Upper

146 100

148 63.7 51.5 77.3

111 40.8 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 40.122 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

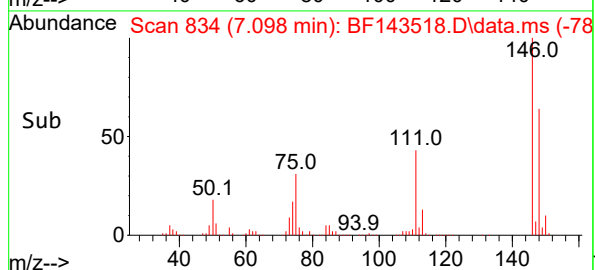
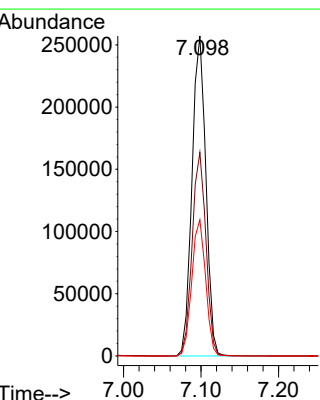
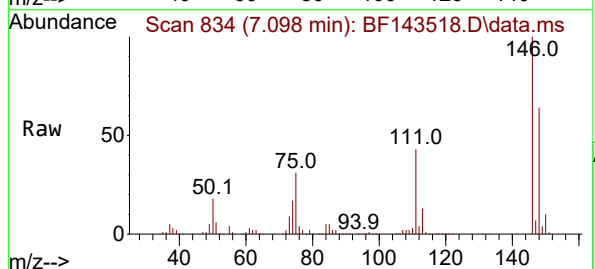
Tgt Ion:146 Resp: 319564

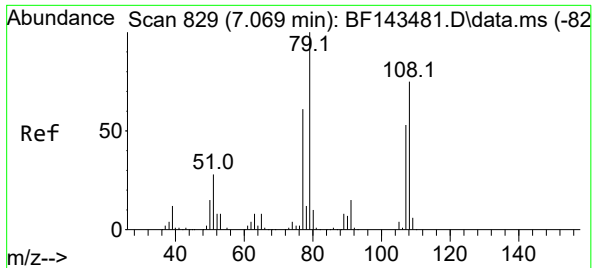
Ion Ratio Lower Upper

146 100

148 63.6 51.0 76.6

111 42.5 34.0 51.0





#15

Benzyl Alcohol

Concen: 40.760 ng

RT: 7.069 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

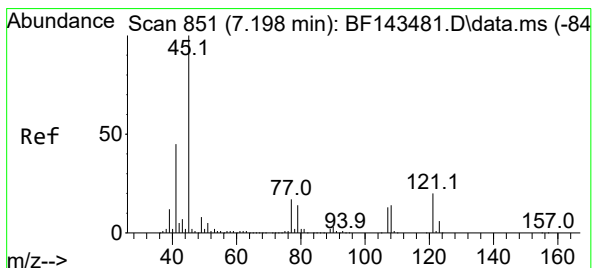
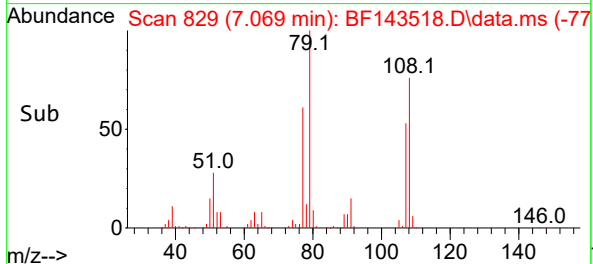
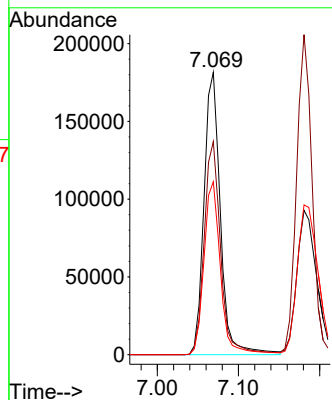
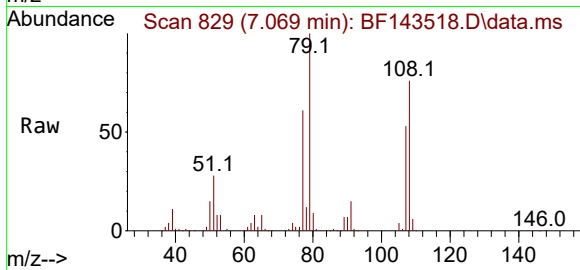
Tgt Ion: 79 Resp: 254573

Ion Ratio Lower Upper

79 100

108 75.5 59.8 89.6

77 61.3 49.0 73.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.834 ng

RT: 7.193 min Scan# 850

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

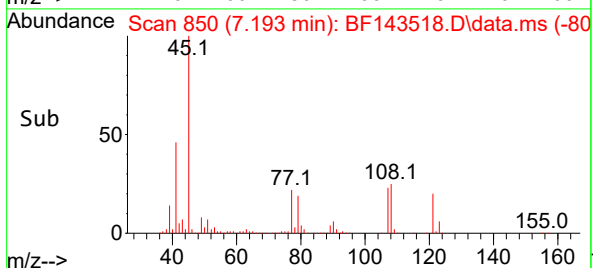
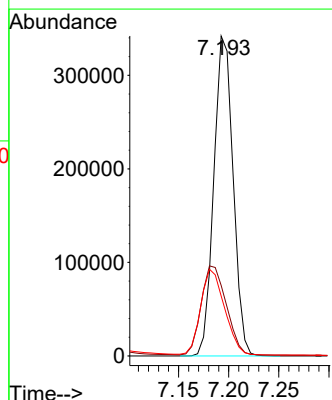
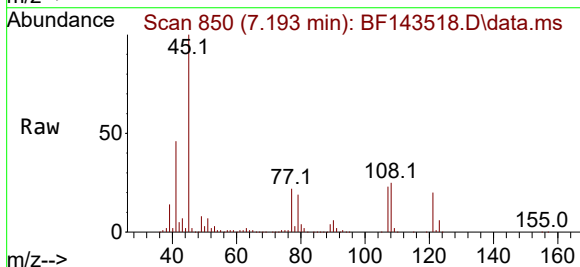
Tgt Ion: 45 Resp: 457661

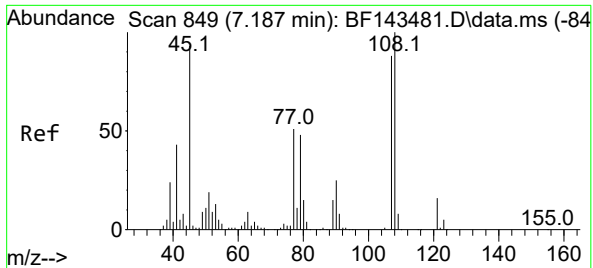
Ion Ratio Lower Upper

45 100

77 22.0 0.0 37.9

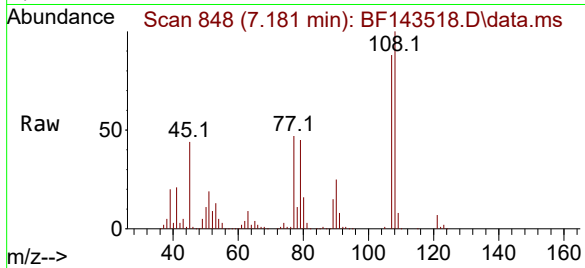
79 18.8 0.0 34.7



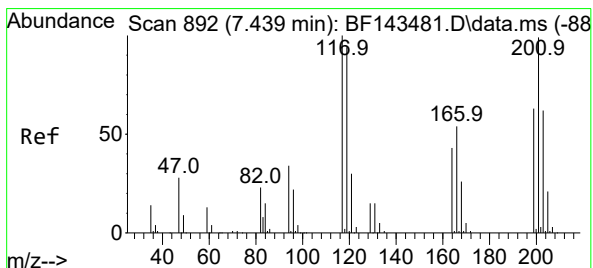
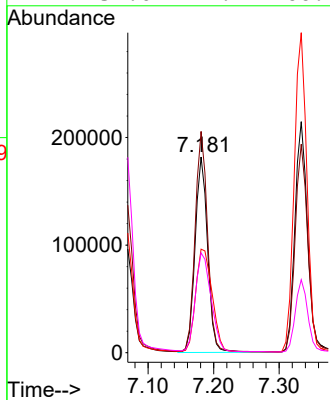
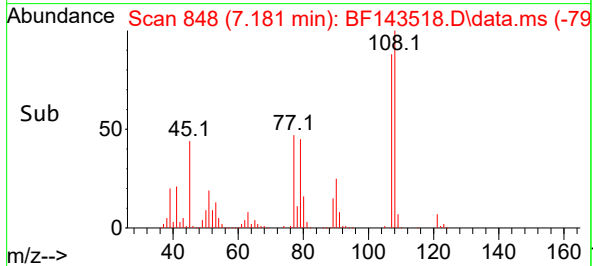


#17
2-Methylphenol
Concen: 40.511 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

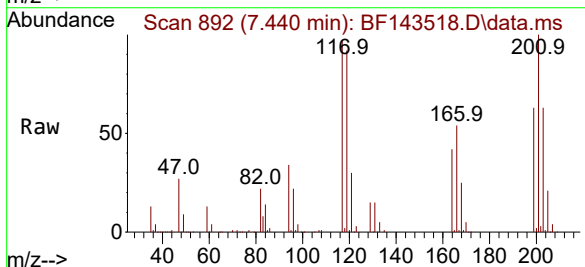
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



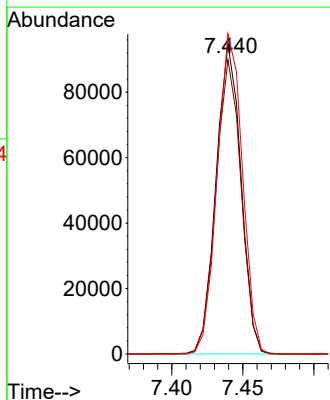
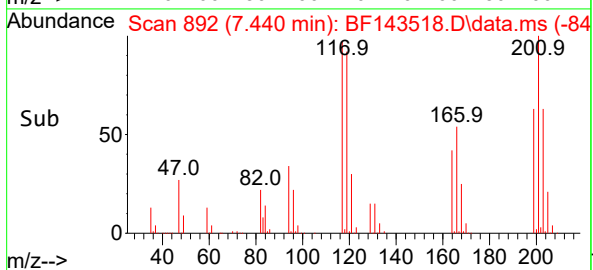
Tgt Ion:107 Resp: 242686
Ion Ratio Lower Upper
107 100
108 113.1 91.1 136.7
77 52.9 46.2 69.4
79 51.0 44.2 66.2

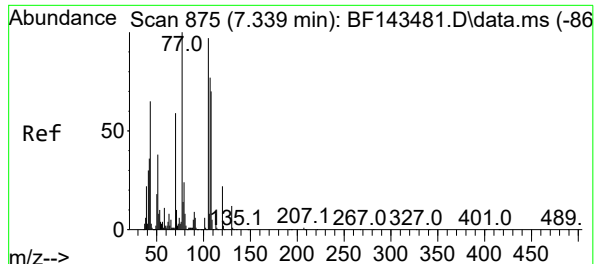


#18
Hexachloroethane
Concen: 40.435 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21



Tgt Ion:117 Resp: 115654
Ion Ratio Lower Upper
117 100
119 94.9 75.4 113.0
201 103.2 79.0 118.4





#19

n-Nitroso-di-n-propylamine

Concen: 39.822 ng

RT: 7.334 min Scan# 875

Delta R.T. -0.018 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 203044

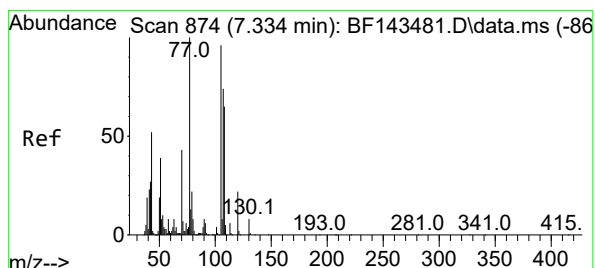
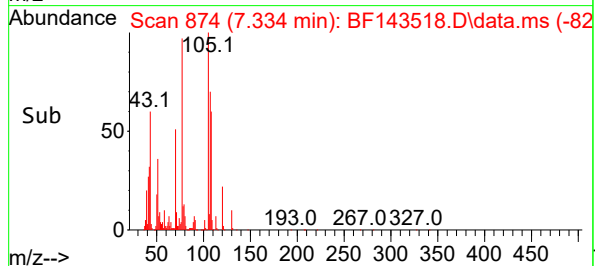
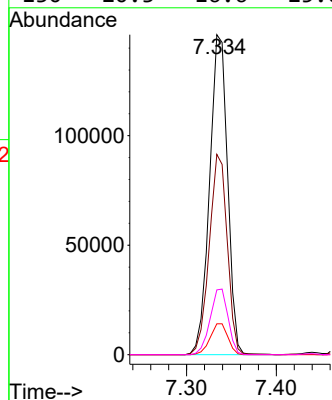
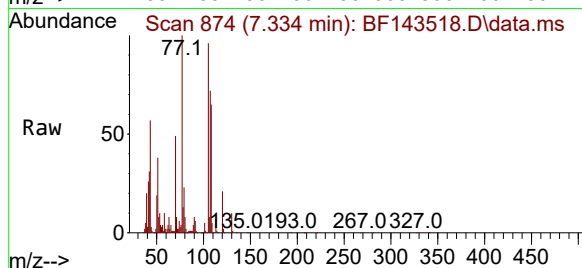
Ion Ratio Lower Upper

70 100

42 62.6 49.3 73.9

101 9.7 7.8 11.8

130 20.3 16.6 25.0



#20

3+4-Methylphenols

Concen: 40.503 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Tgt Ion: 107 Resp: 289653

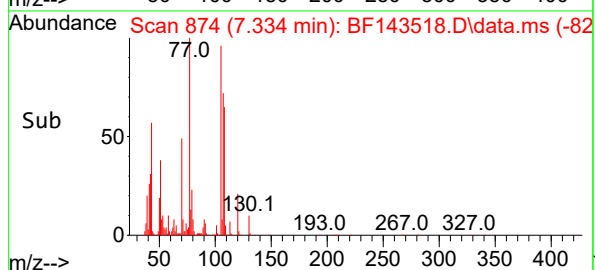
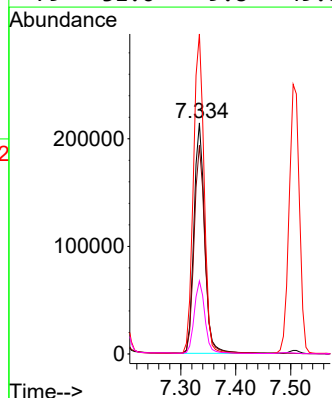
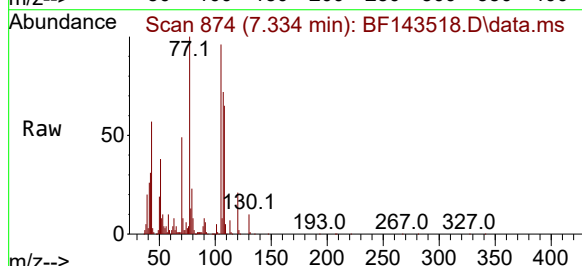
Ion Ratio Lower Upper

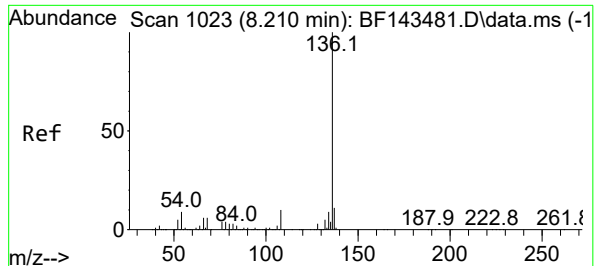
107 100

108 90.3 68.4 108.4

77 138.5 116.1 156.1

79 31.6 9.8 49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF143518.D

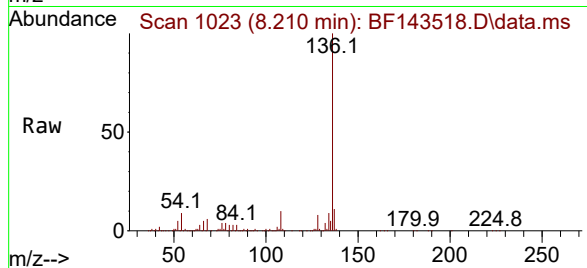
Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 448774

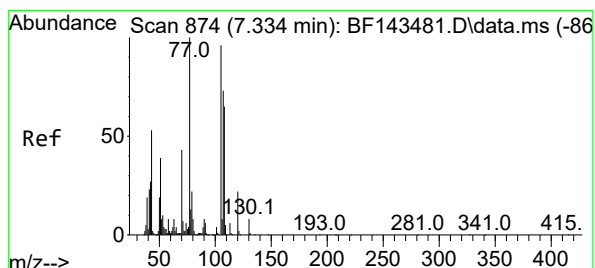
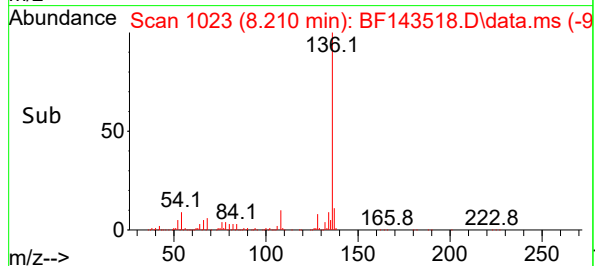
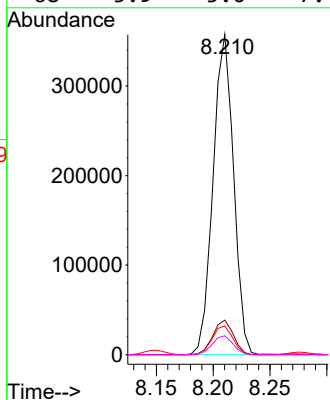
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 9.0 7.4 11.2

68 5.9 5.0 7.4



#22

Acetophenone

Concen: 39.507 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Tgt Ion:105 Resp: 383042

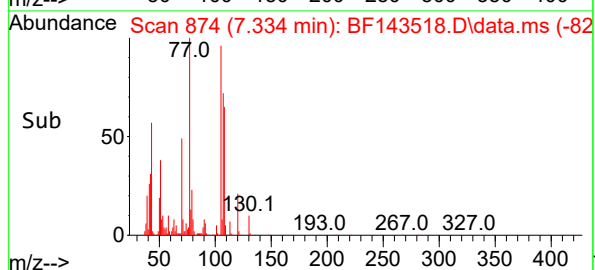
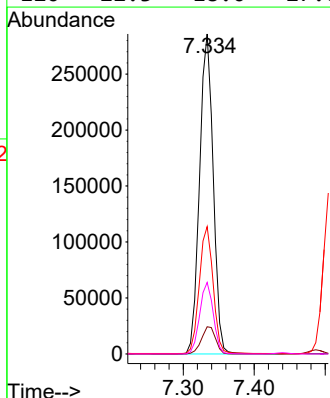
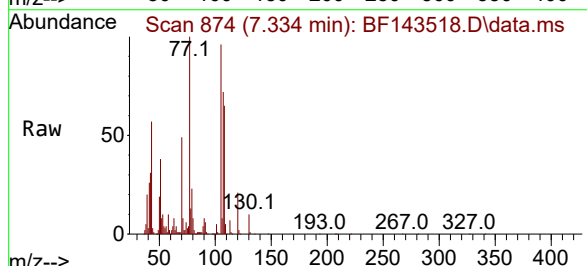
Ion Ratio Lower Upper

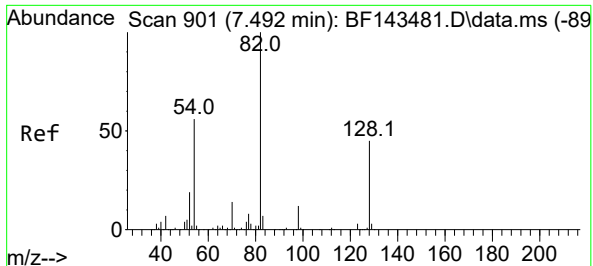
105 100

71 8.5 5.9 8.9

51 39.8 32.5 48.7

120 22.3 18.0 27.0





#23

Nitrobenzene-d5

Concen: 81.228 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

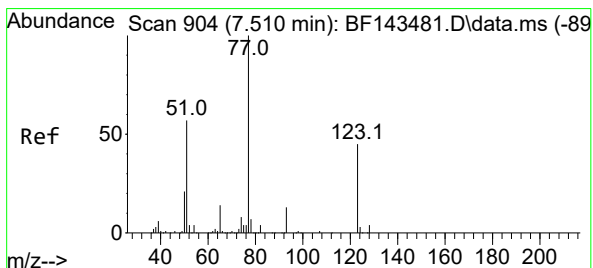
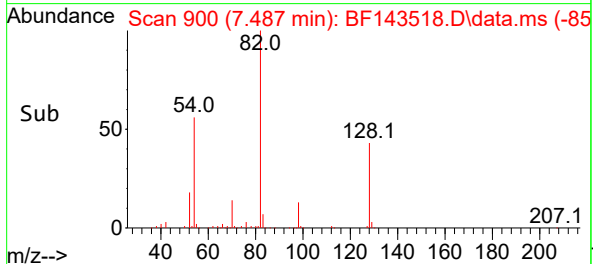
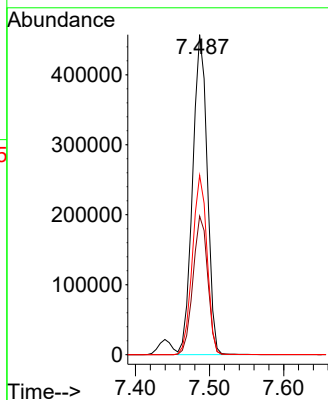
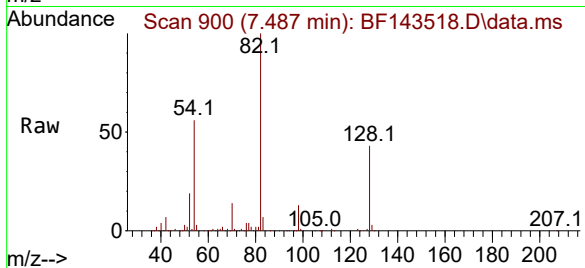
Tgt Ion: 82 Resp: 624678

Ion Ratio Lower Upper

82 100

128 43.3 35.5 53.3

54 56.1 44.3 66.5



#24

Nitrobenzene

Concen: 41.020 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

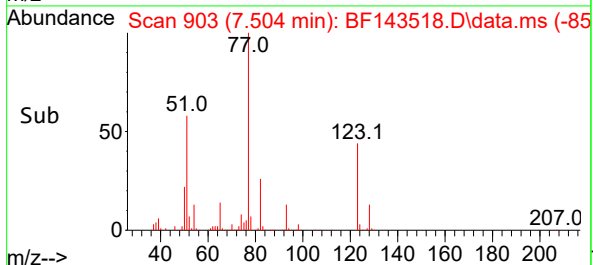
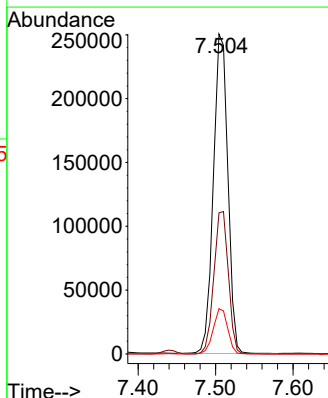
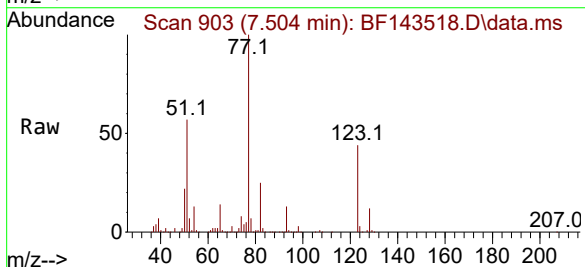
Tgt Ion: 77 Resp: 324679

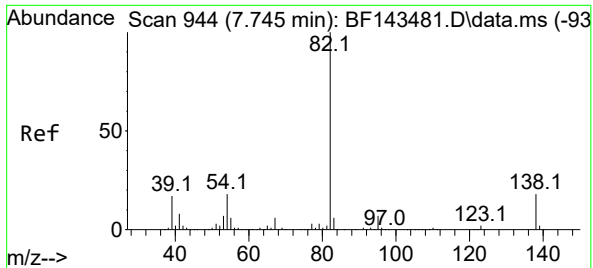
Ion Ratio Lower Upper

77 100

123 44.1 36.1 54.1

65 14.1 11.0 16.6





#25

Isophorone

Concen: 40.104 ng

RT: 7.745 min Scan# 944

Delta R.T. -0.012 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

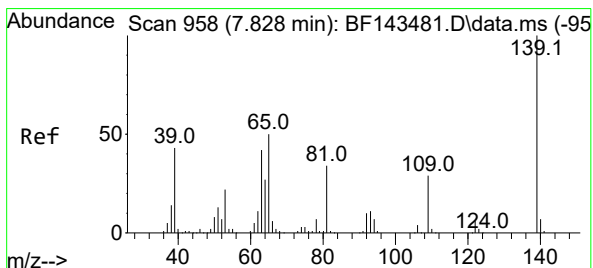
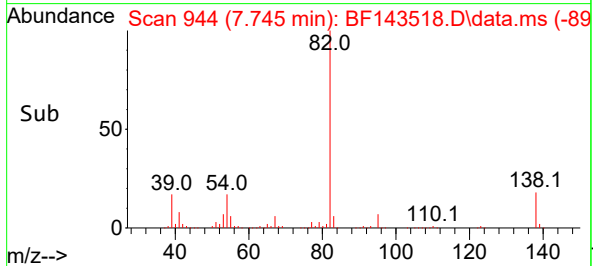
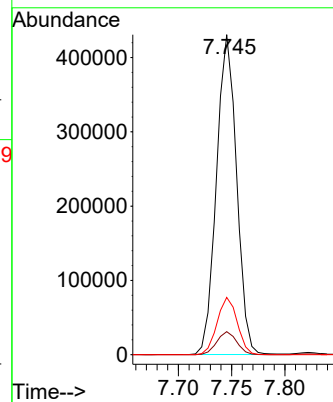
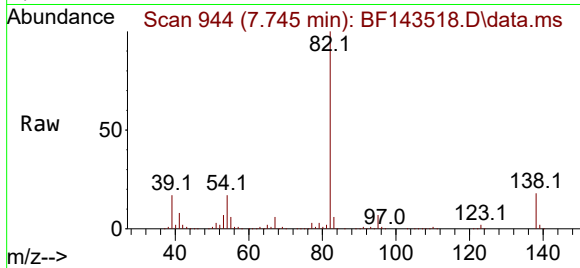
Tgt Ion: 82 Resp: 565357

Ion Ratio Lower Upper

82 100

95 7.2 5.8 8.8

138 17.9 14.2 21.4



#26

2-Nitrophenol

Concen: 41.767 ng

RT: 7.822 min Scan# 957

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

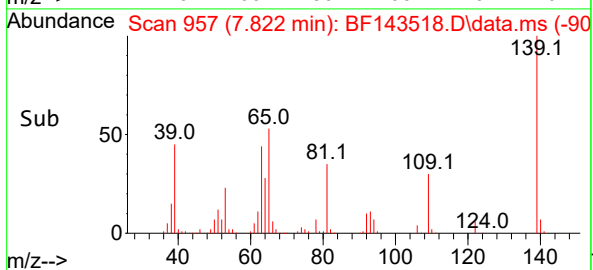
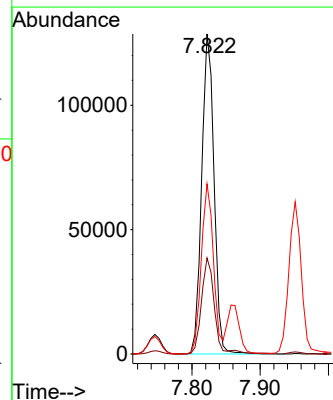
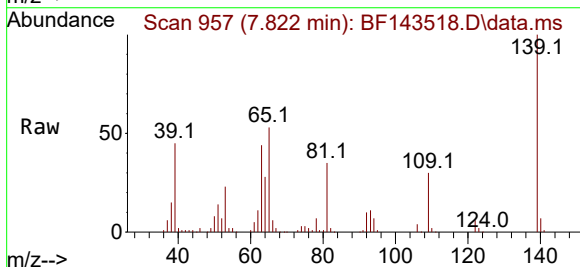
Tgt Ion: 139 Resp: 161941

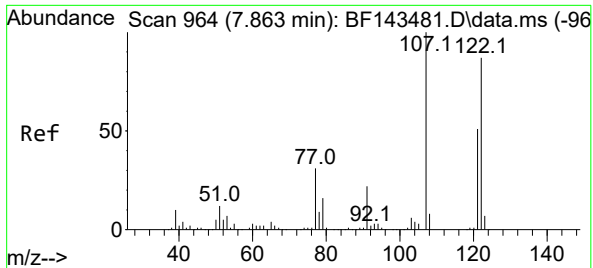
Ion Ratio Lower Upper

139 100

109 30.0 23.0 34.6

65 53.1 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 40.108 ng

RT: 7.863 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

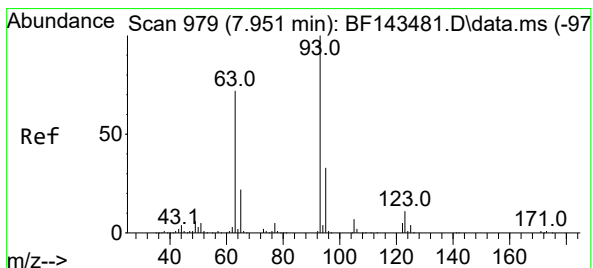
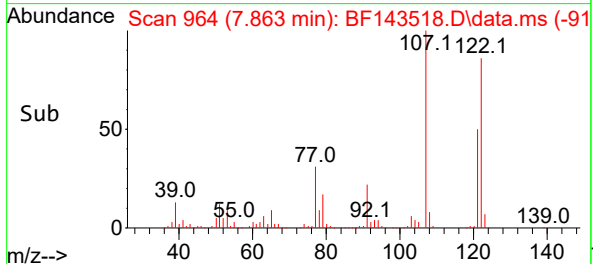
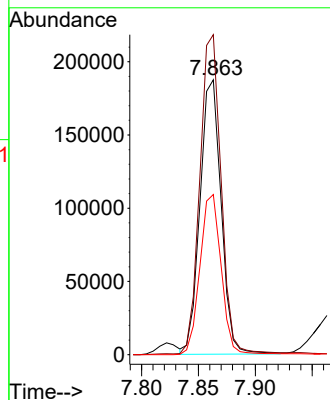
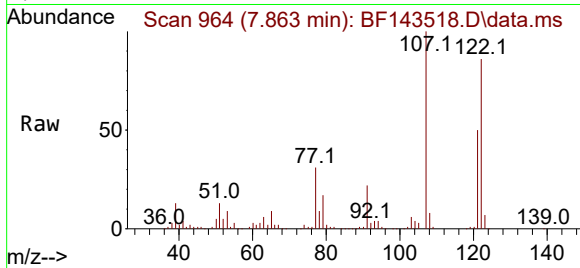
Tgt Ion:122 Resp: 242413

Ion Ratio Lower Upper

122 100

107 116.4 91.5 137.3

121 58.3 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.742 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

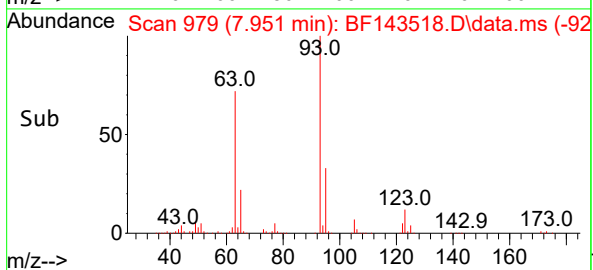
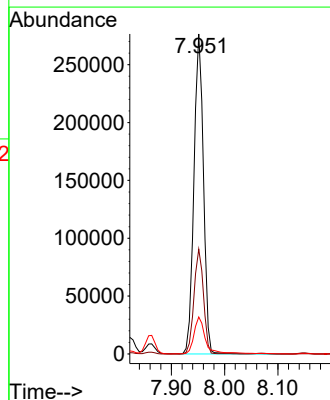
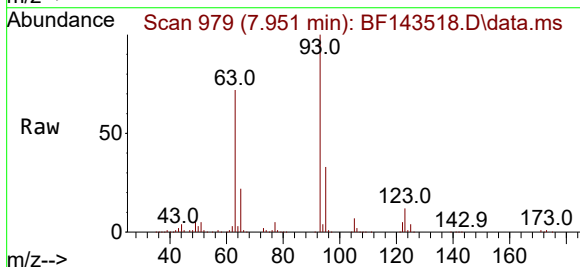
Tgt Ion: 93 Resp: 344305

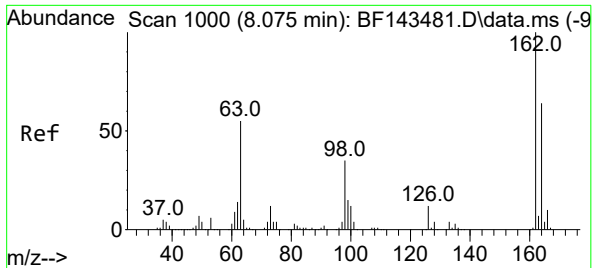
Ion Ratio Lower Upper

93 100

95 32.8 26.0 39.0

123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 40.285 ng

RT: 8.069 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

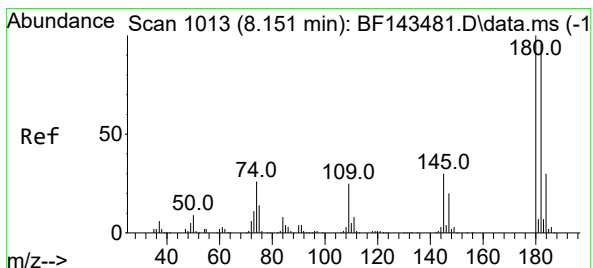
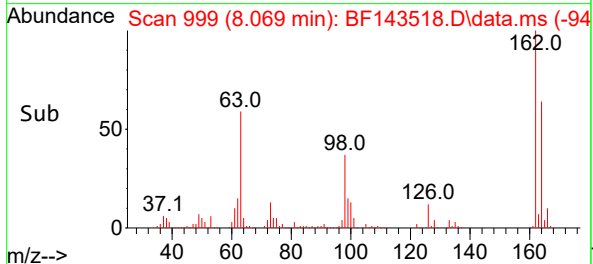
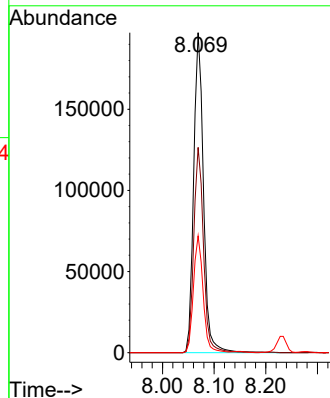
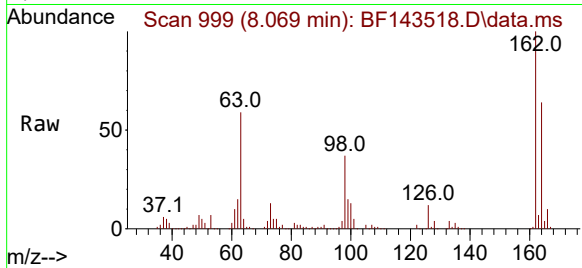
Tgt Ion:162 Resp: 260040

Ion Ratio Lower Upper

162 100

164 64.1 43.5 83.5

98 36.5 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 40.066 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

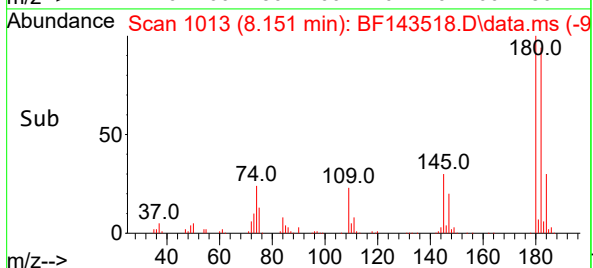
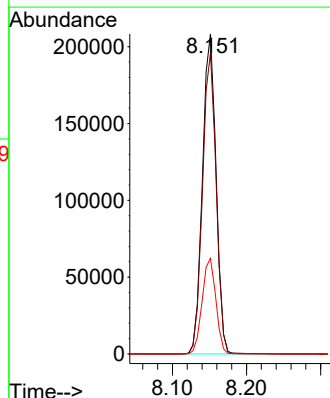
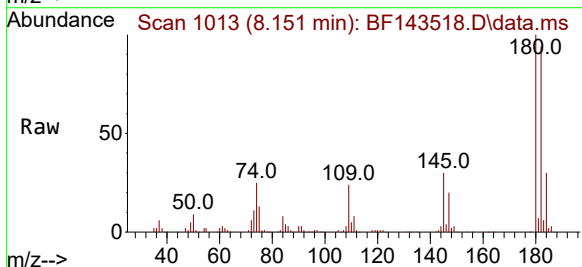
Tgt Ion:180 Resp: 265906

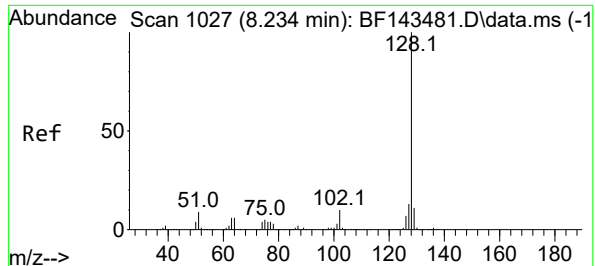
Ion Ratio Lower Upper

180 100

182 94.0 76.6 114.8

145 29.9 24.3 36.5





#31

Naphthalene

Concen: 39.587 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

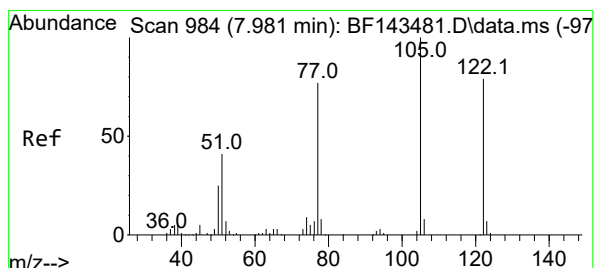
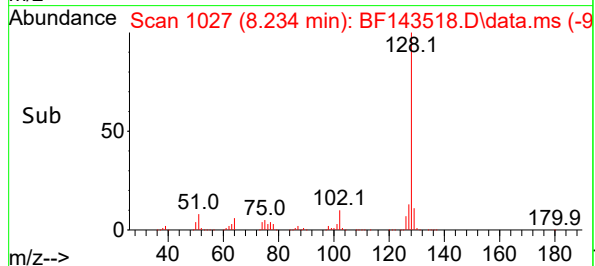
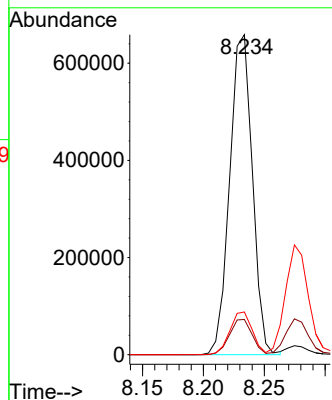
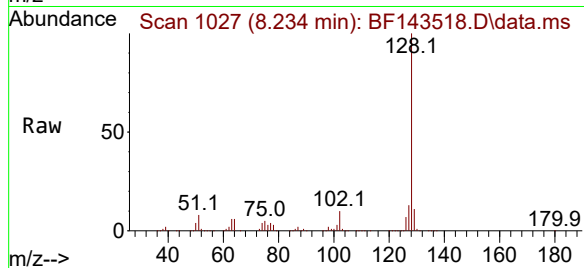
Tgt Ion:128 Resp: 852935

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 35.717 ng

RT: 7.975 min Scan# 983

Delta R.T. -0.035 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

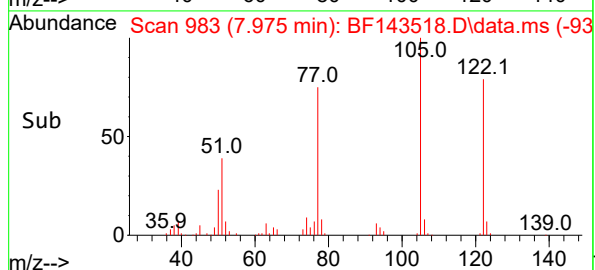
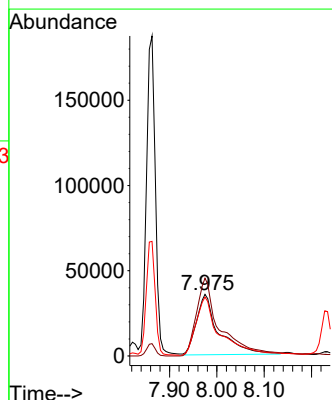
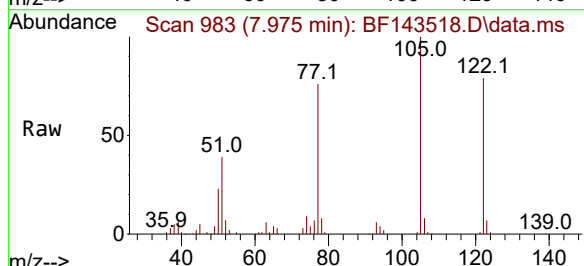
Tgt Ion:122 Resp: 117106

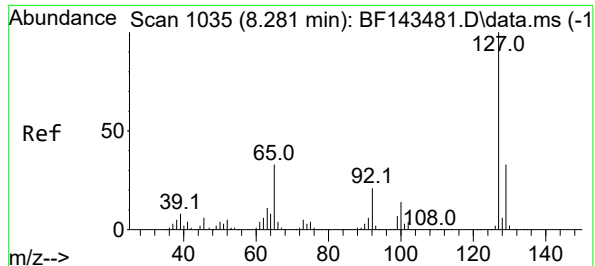
Ion Ratio Lower Upper

122 100

105 126.4 104.7 144.7

77 95.8 77.3 117.3





#33

4-Chloroaniline

Concen: 39.804 ng

RT: 8.275 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 304385

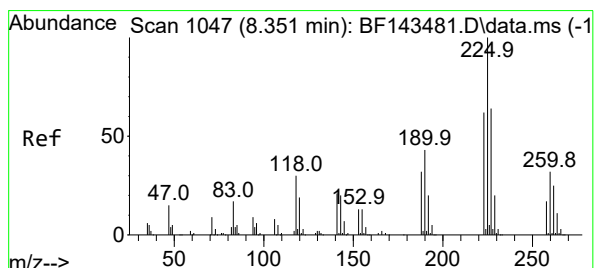
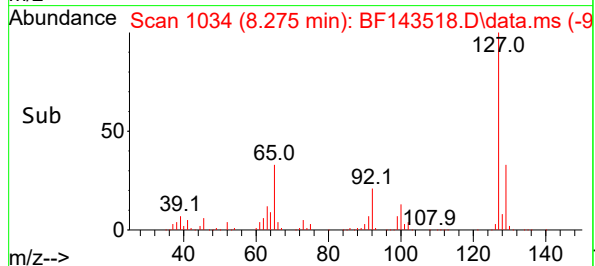
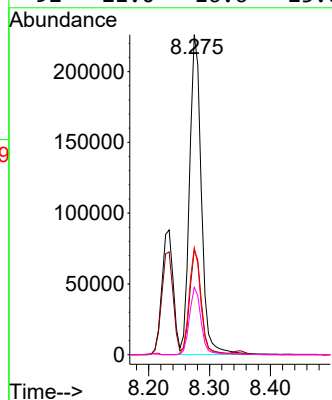
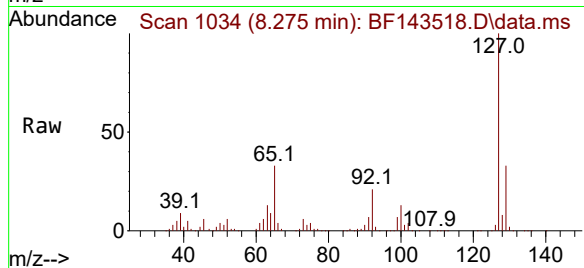
Ion Ratio Lower Upper

127 100

129 32.6 26.1 39.1

65 33.4 26.2 39.2

92 21.0 16.6 25.0



#34

Hexachlorobutadiene

Concen: 40.194 ng

RT: 8.351 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

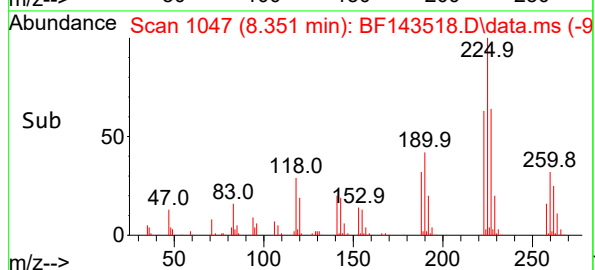
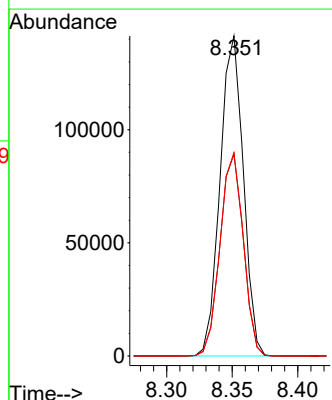
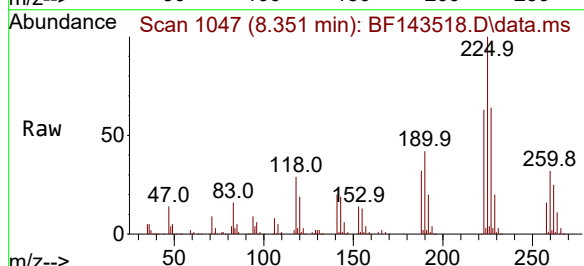
Tgt Ion:225 Resp: 174035

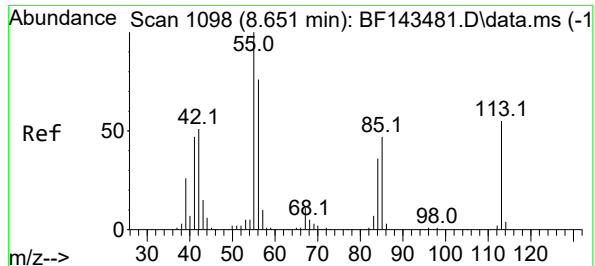
Ion Ratio Lower Upper

225 100

223 63.0 49.9 74.9

227 63.6 50.9 76.3





#35

Caprolactam

Concen: 45.135 ng

RT: 8.645 min Scan# 1098

Delta R.T. -0.029 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

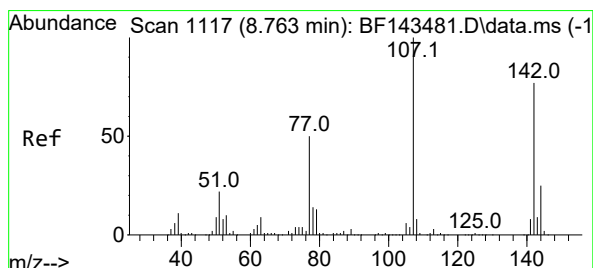
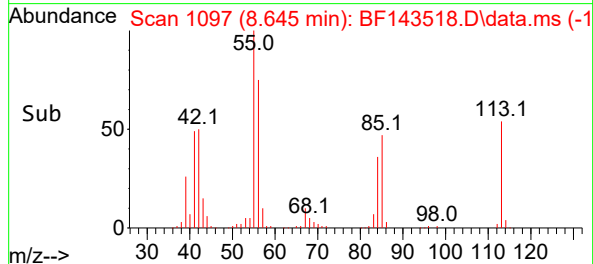
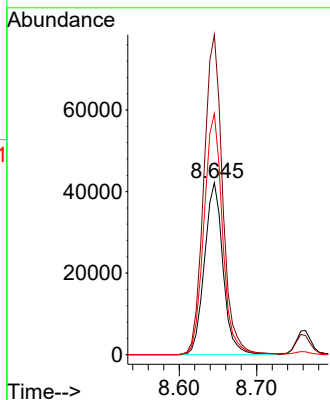
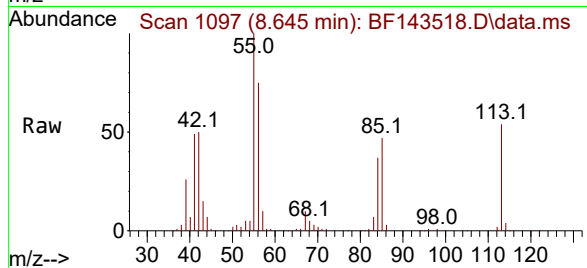
Tgt Ion:113 Resp: 69912

Ion Ratio Lower Upper

113 100

55 186.1 162.8 202.8

56 140.2 118.1 158.1



#36

4-Chloro-3-methylphenol

Concen: 40.144 ng

RT: 8.763 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

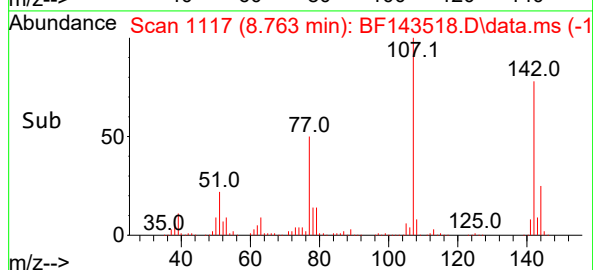
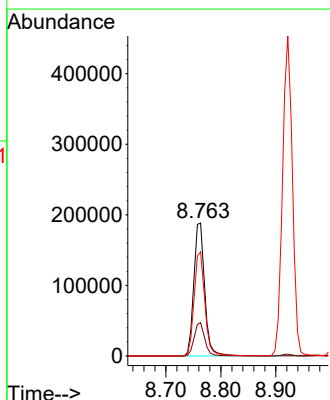
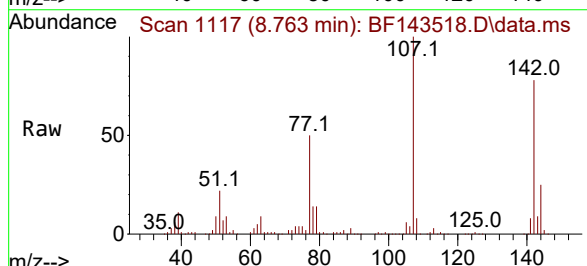
Tgt Ion:107 Resp: 259690

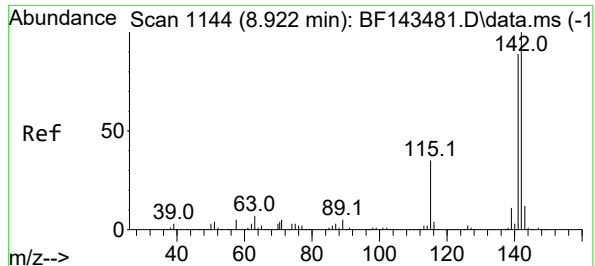
Ion Ratio Lower Upper

107 100

144 25.1 19.9 29.9

142 78.3 61.8 92.8

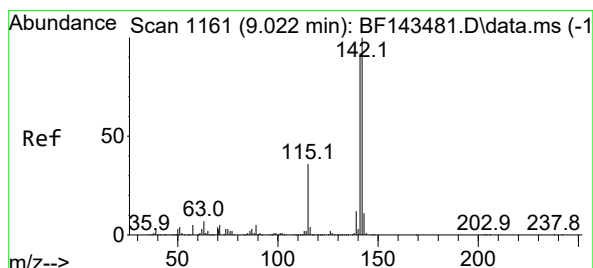
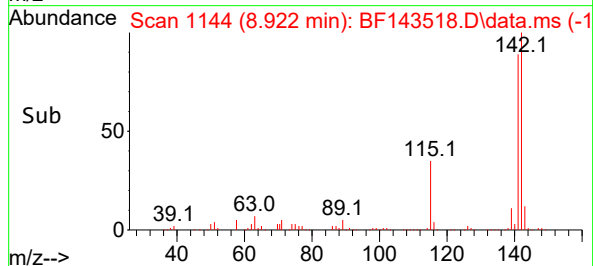
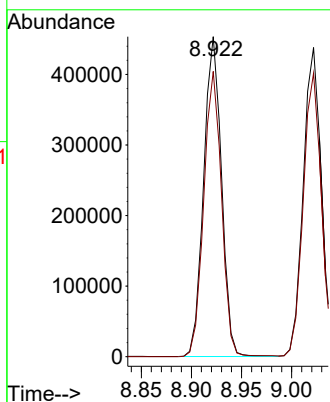
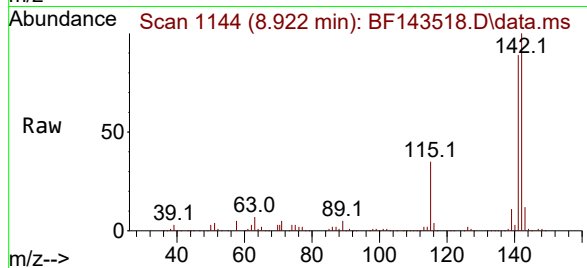




#37
2-Methylnaphthalene
Concen: 39.089 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

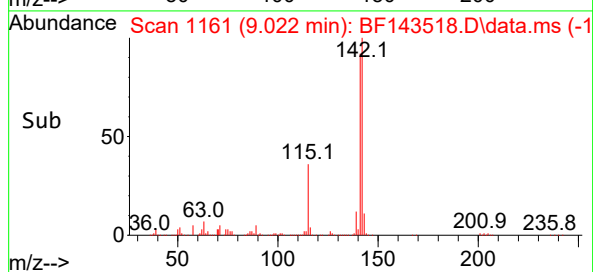
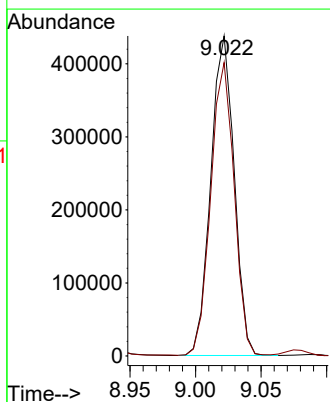
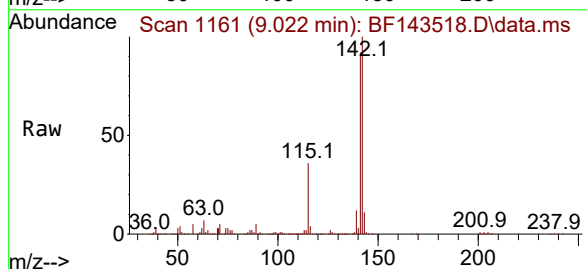
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

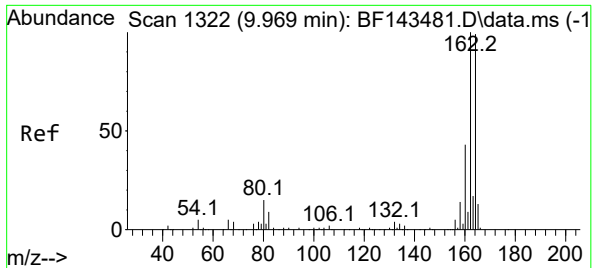
Tgt Ion:142 Resp: 562491
Ion Ratio Lower Upper
142 100
141 89.1 71.0 106.4



#38
1-Methylnaphthalene
Concen: 39.436 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:142 Resp: 542827
Ion Ratio Lower Upper
142 100
141 91.7 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

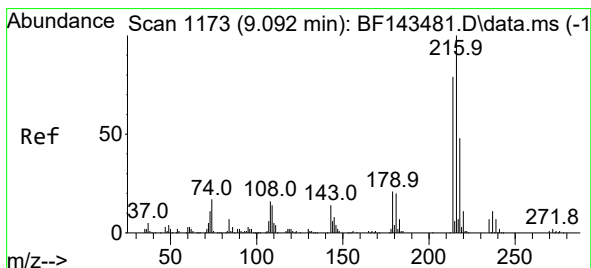
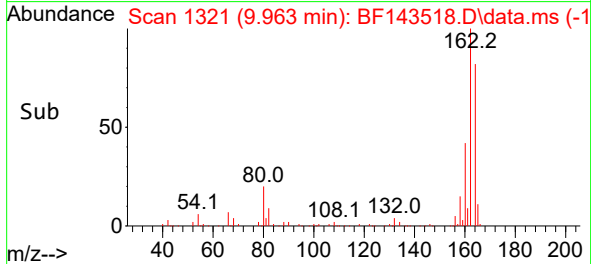
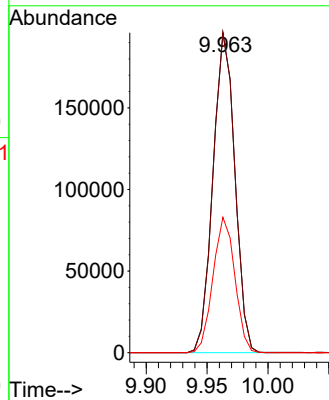
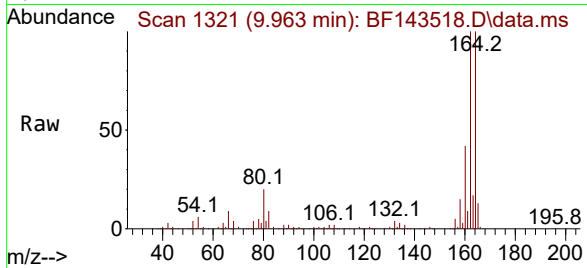
Tgt Ion:164 Resp: 244595

Ion Ratio Lower Upper

164 100

162 99.9 80.5 120.7

160 42.3 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.693 ng

RT: 9.086 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Tgt Ion:216 Resp: 277705

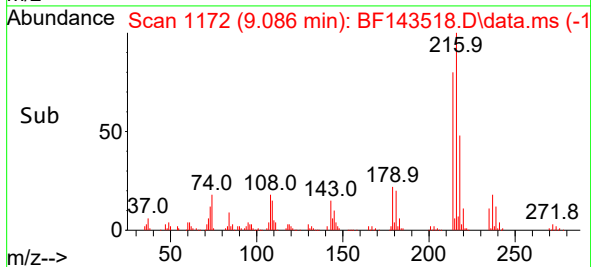
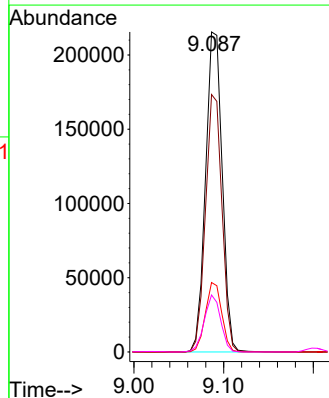
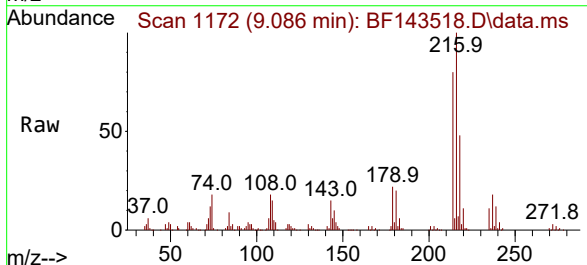
Ion Ratio Lower Upper

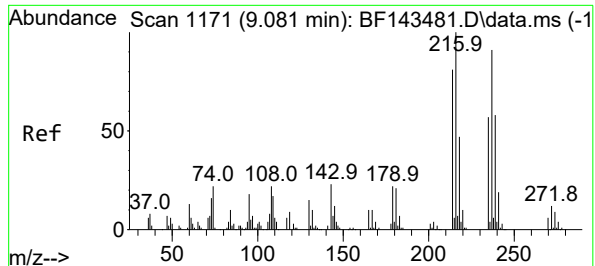
216 100

214 79.4 63.4 95.0

179 21.3 16.5 24.7

108 17.5 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 34.356 ng

RT: 9.081 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

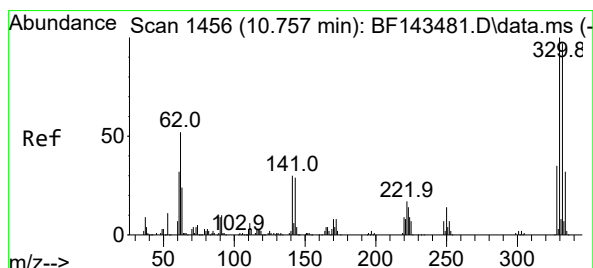
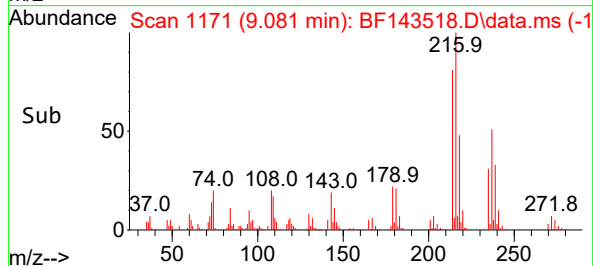
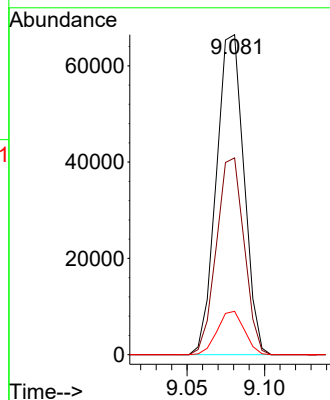
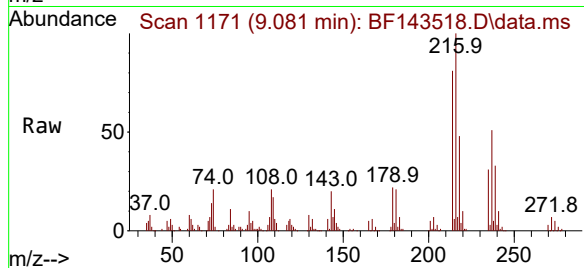
Tgt Ion:237 Resp: 82522

Ion Ratio Lower Upper

237 100

235 61.5 42.6 82.6

272 13.6 0.0 33.4



#42

2,4,6-Tribromophenol

Concen: 79.836 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

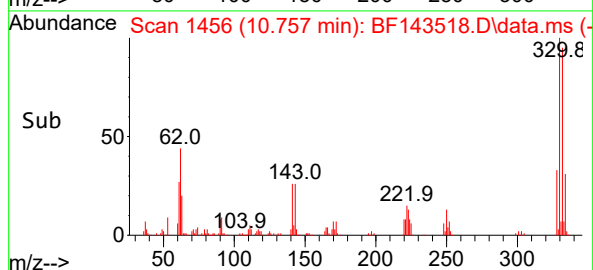
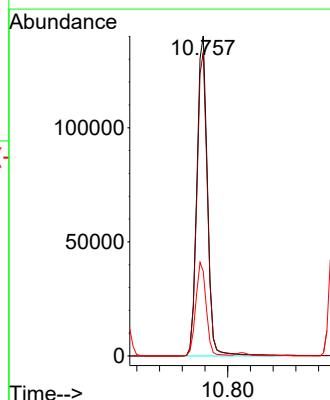
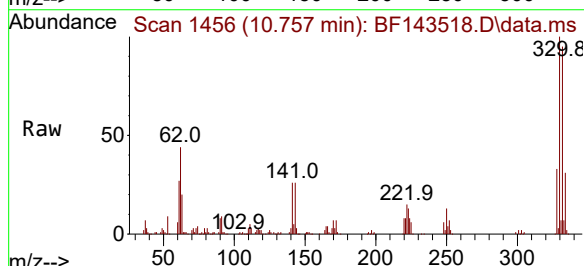
Tgt Ion:330 Resp: 181773

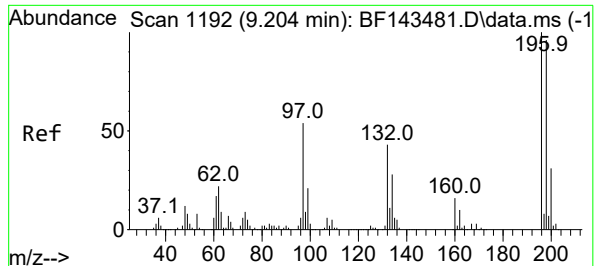
Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

141 29.0 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 40.335 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

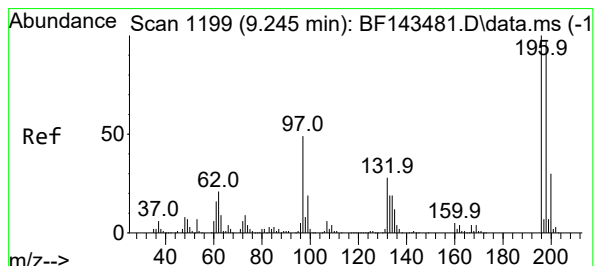
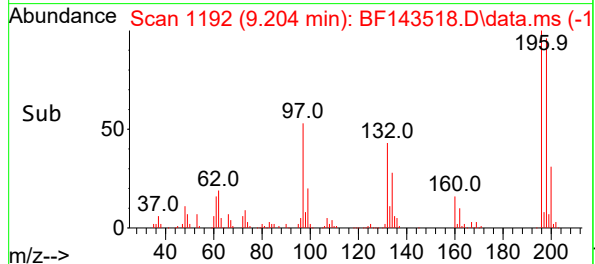
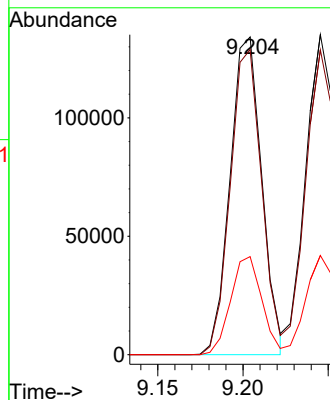
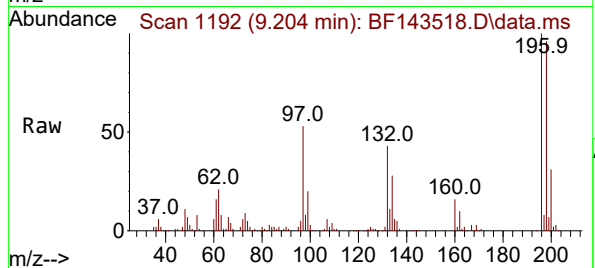
Tgt Ion:196 Resp: 173645

Ion Ratio Lower Upper

196 100

198 96.0 77.0 115.4

200 30.9 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 39.568 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Tgt Ion:196 Resp: 186067

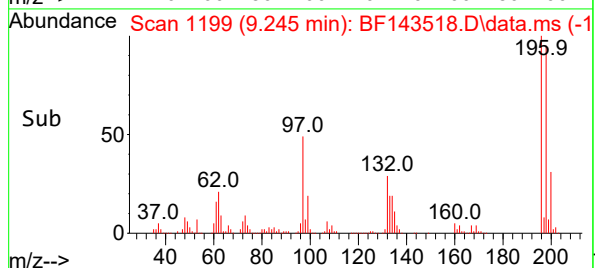
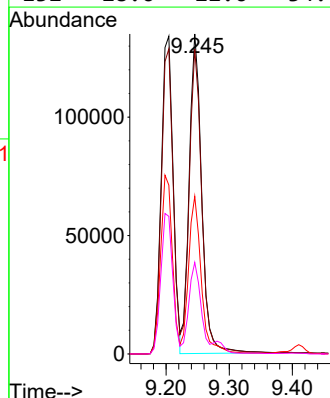
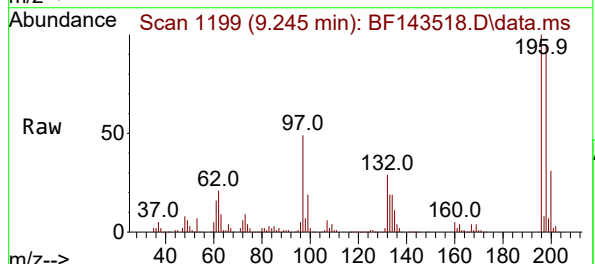
Ion Ratio Lower Upper

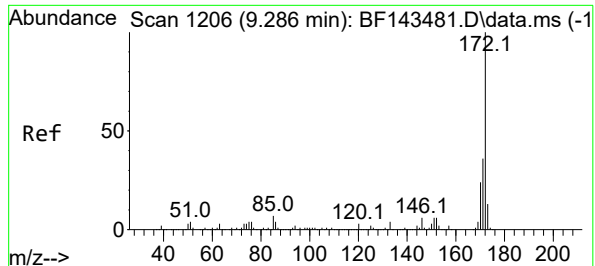
196 100

198 95.3 77.3 115.9

97 49.2 40.0 60.0

132 28.6 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 77.819 ng

RT: 9.281 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

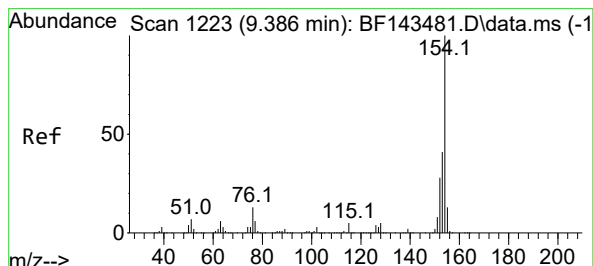
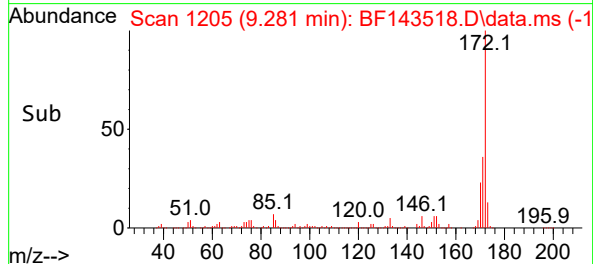
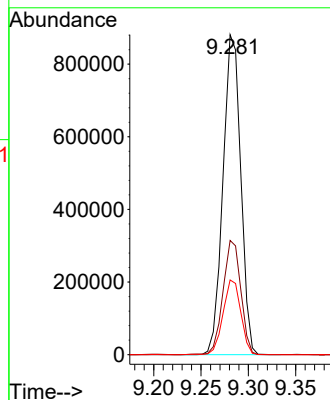
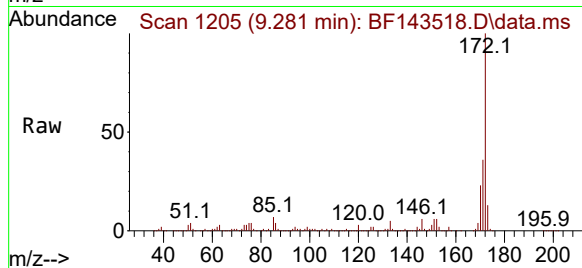
Tgt Ion:172 Resp: 1151723

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.4 18.8 28.2



#46

1,1'-Biphenyl

Concen: 39.203 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

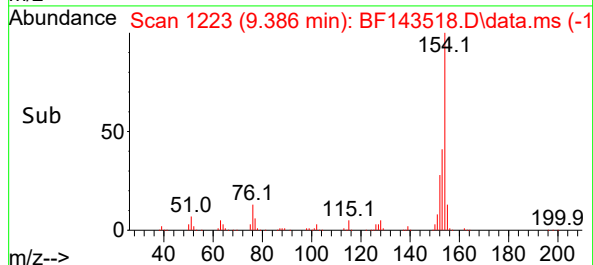
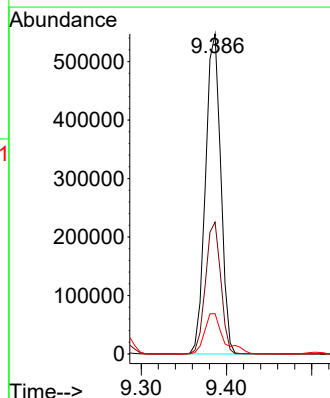
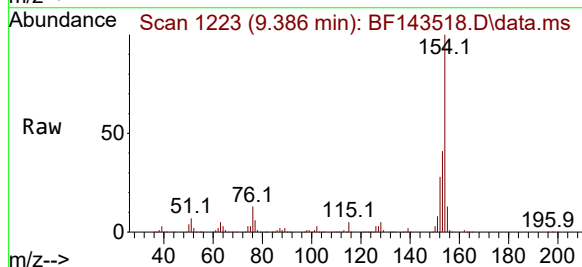
Tgt Ion:154 Resp: 680592

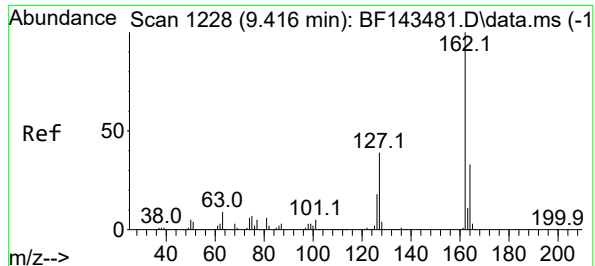
Ion Ratio Lower Upper

154 100

153 41.2 20.6 60.6

76 12.6 0.0 33.0





#47

2-Chloronaphthalene

Concen: 39.372 ng

RT: 9.410 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

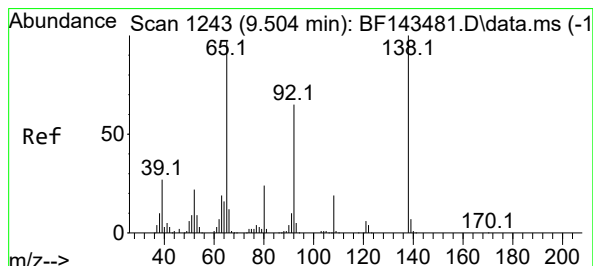
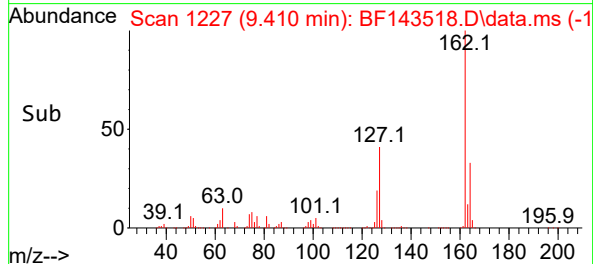
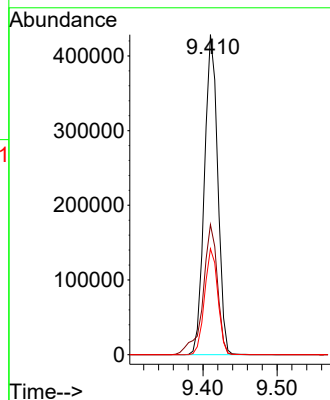
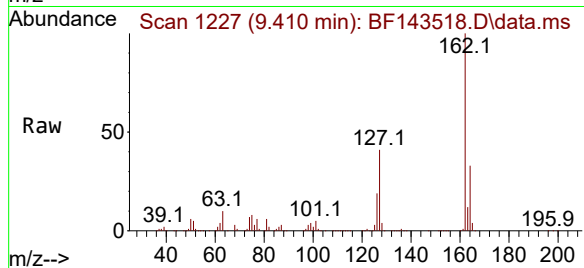
Tgt Ion:162 Resp: 536315

Ion Ratio Lower Upper

162 100

127 40.7 31.8 47.6

164 33.1 26.4 39.6



#48

2-Nitroaniline

Concen: 41.078 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

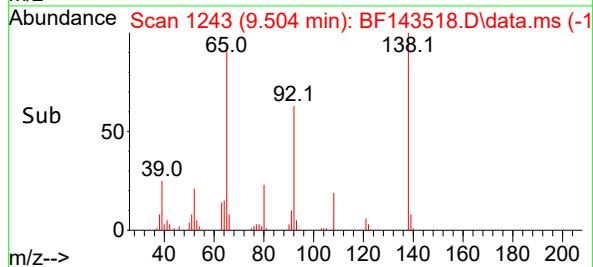
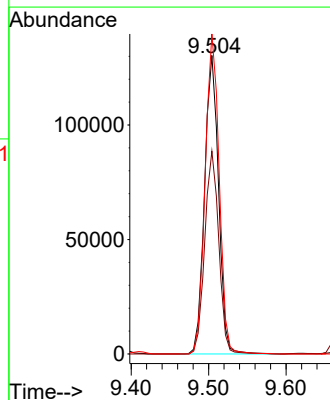
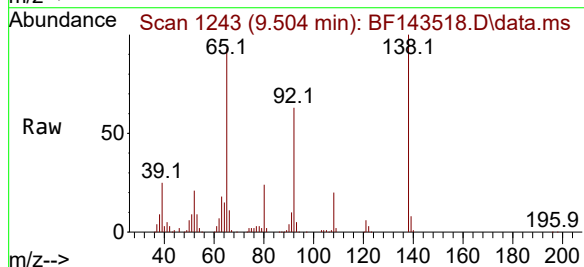
Tgt Ion: 65 Resp: 163759

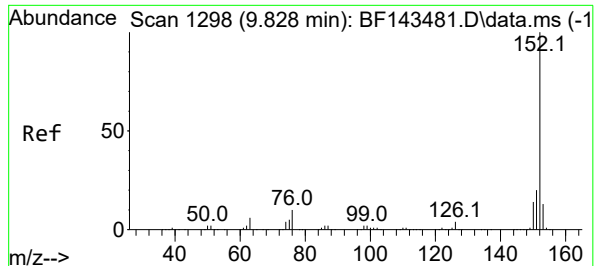
Ion Ratio Lower Upper

65 100

92 67.9 53.8 80.6

138 107.2 82.4 123.6





#49

Acenaphthylene

Concen: 39.570 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

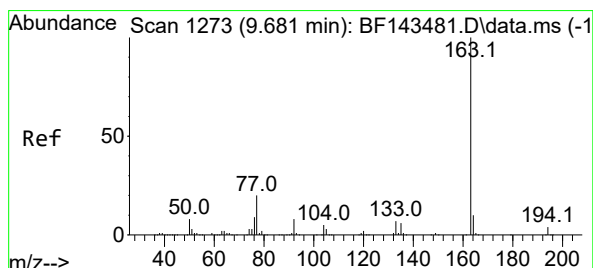
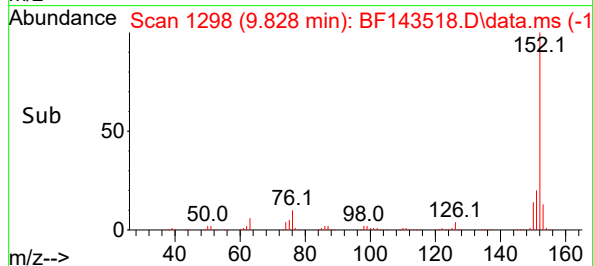
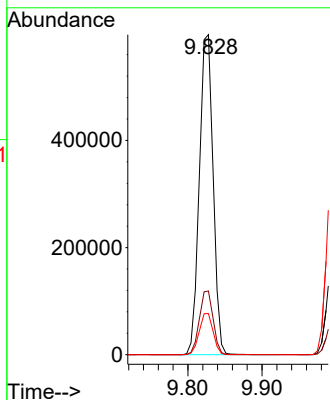
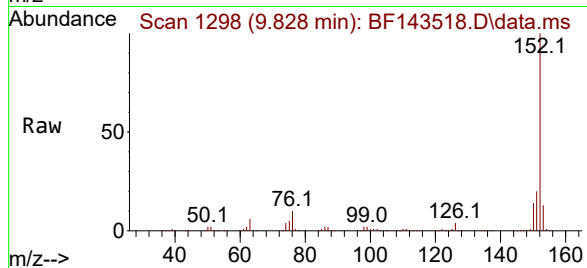
Tgt Ion:152 Resp: 771789

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

153 12.8 10.6 15.8



#50

Dimethylphthalate

Concen: 41.504 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

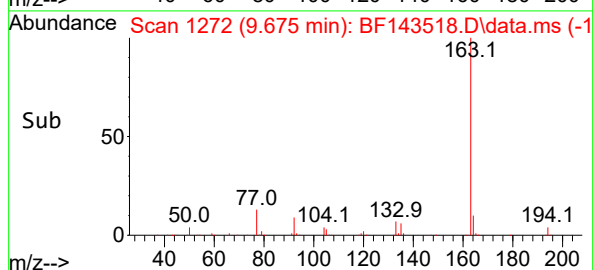
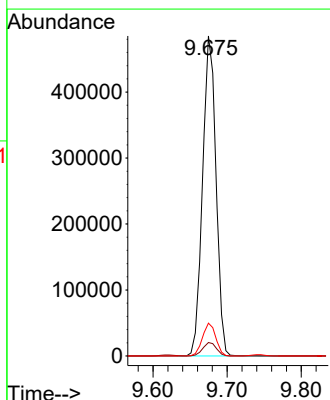
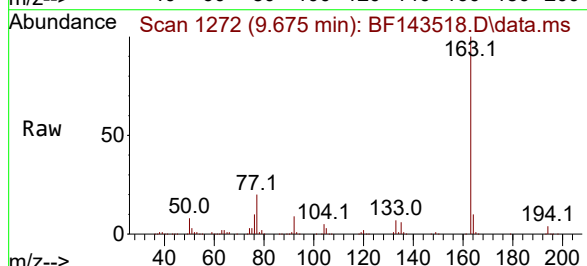
Tgt Ion:163 Resp: 611411

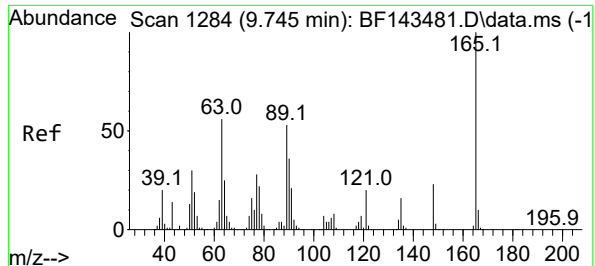
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.3 8.2 12.2

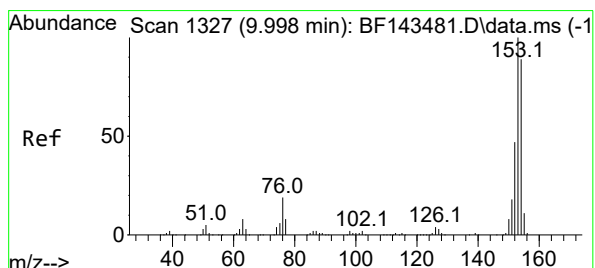
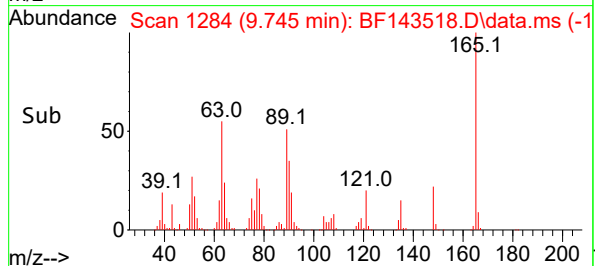
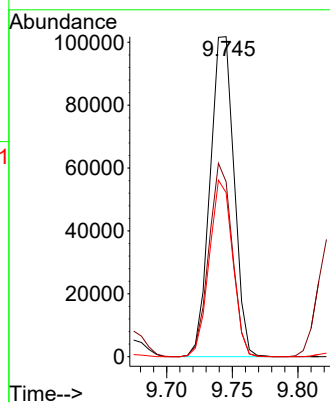
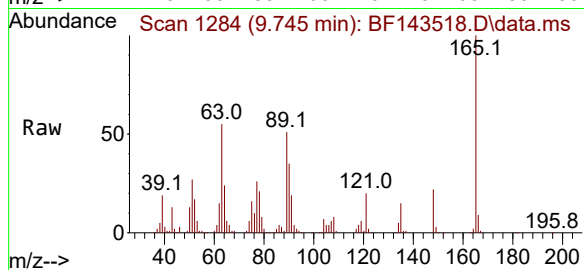




#51
2,6-Dinitrotoluene
Concen: 42.495 ng
RT: 9.745 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

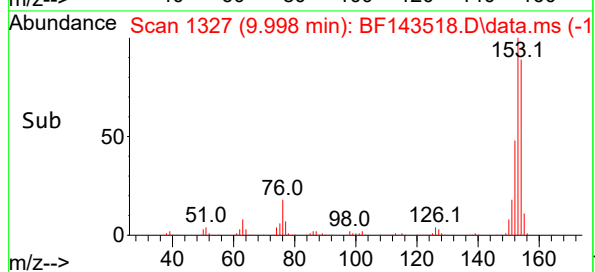
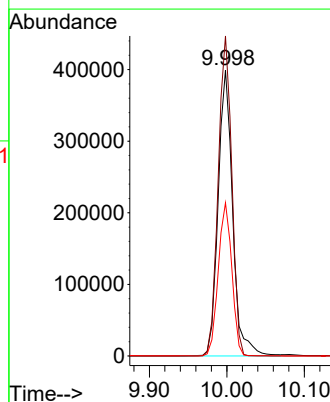
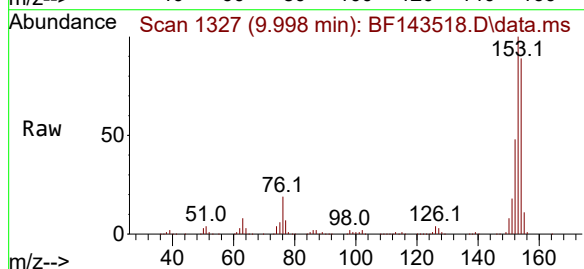
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

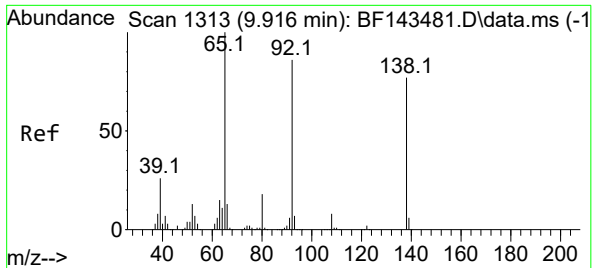
Tgt Ion:165 Resp: 129744
Ion Ratio Lower Upper
165 100
63 54.6 45.0 67.6
89 51.3 42.5 63.7



#52
Acenaphthene
Concen: 39.417 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:154 Resp: 521988
Ion Ratio Lower Upper
154 100
153 111.9 89.5 134.3
152 53.5 42.5 63.7

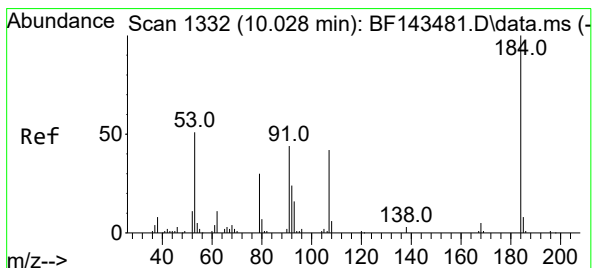
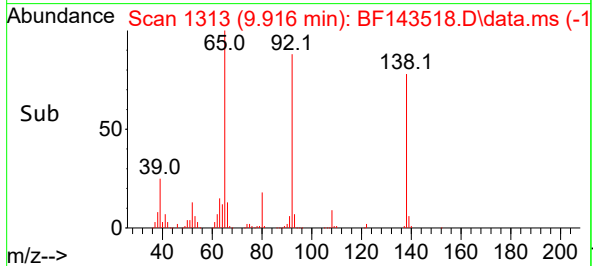
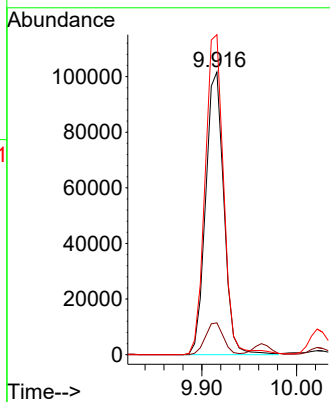
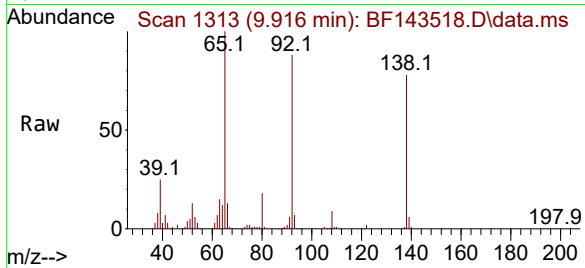




#53
3-Nitroaniline
Concen: 41.155 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

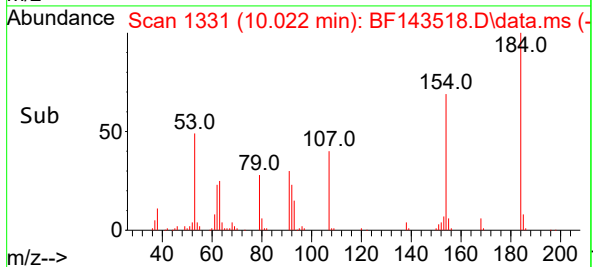
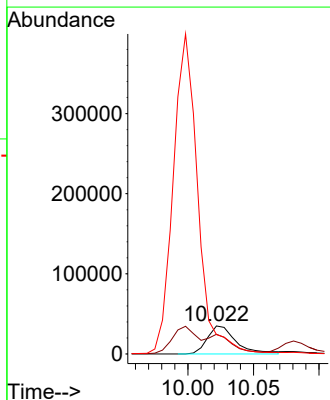
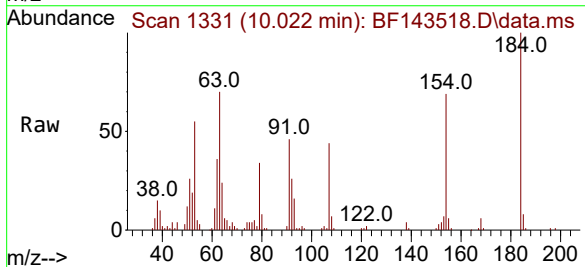
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

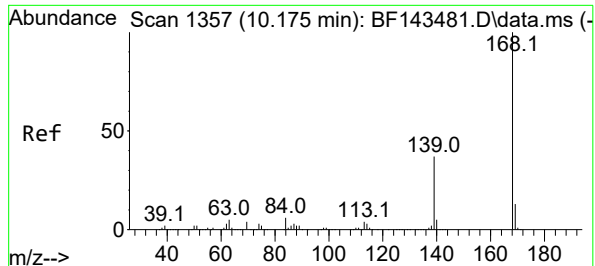
Tgt Ion:138 Resp: 135772
Ion Ratio Lower Upper
138 100
108 11.3 8.6 13.0
92 113.2 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 35.824 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:184 Resp: 53382
Ion Ratio Lower Upper
184 100
63 70.3 52.6 78.8
154 69.5 51.0 76.4





#55

Dibenzofuran

Concen: 39.509 ng

RT: 10.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

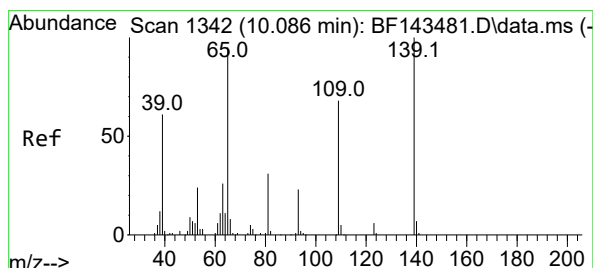
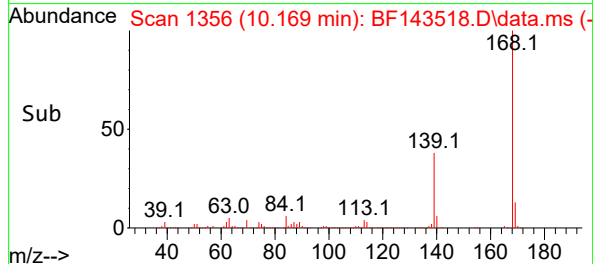
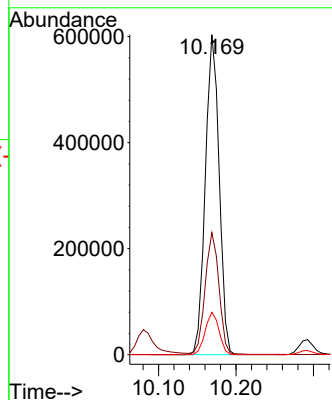
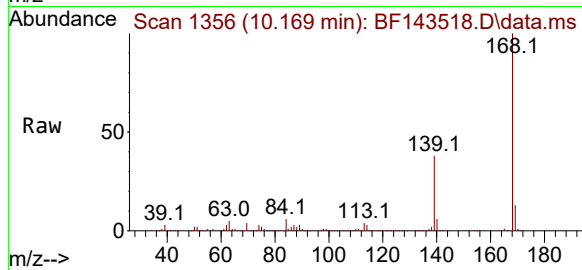
Tgt Ion:168 Resp: 745949

Ion Ratio Lower Upper

168 100

139 38.2 29.8 44.6

169 13.2 10.8 16.2



#56

4-Nitrophenol

Concen: 38.513 ng

RT: 10.081 min Scan# 1341

Delta R.T. -0.005 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

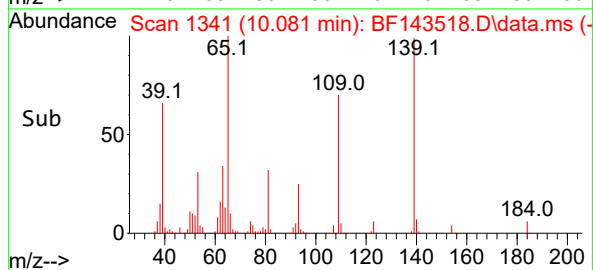
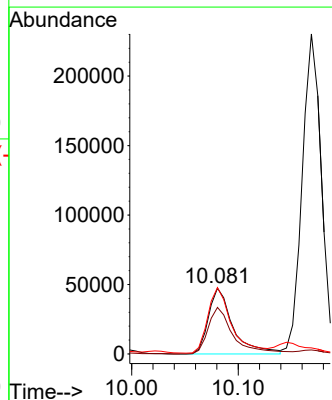
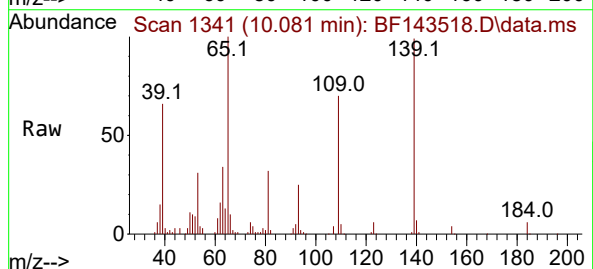
Tgt Ion:139 Resp: 75600

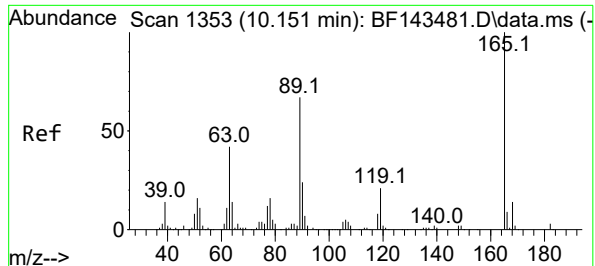
Ion Ratio Lower Upper

139 100

109 70.9 48.2 88.2

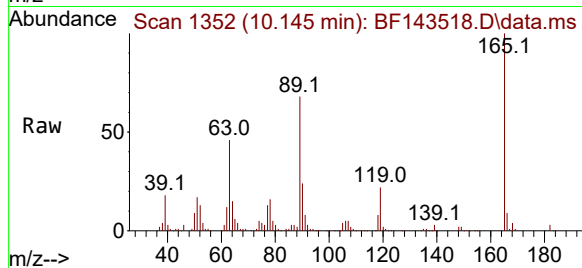
65 101.2 75.8 115.8



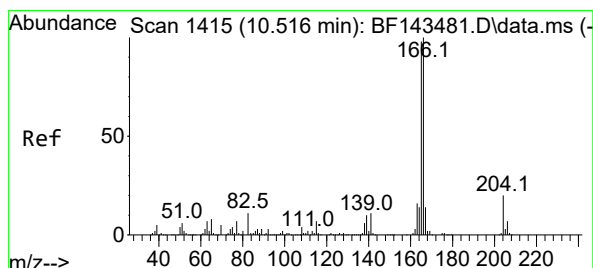
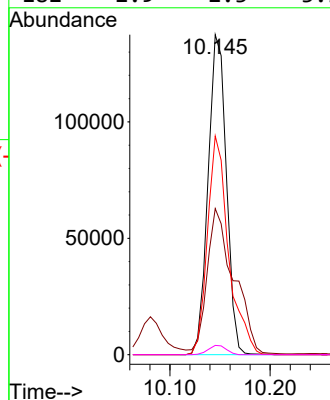
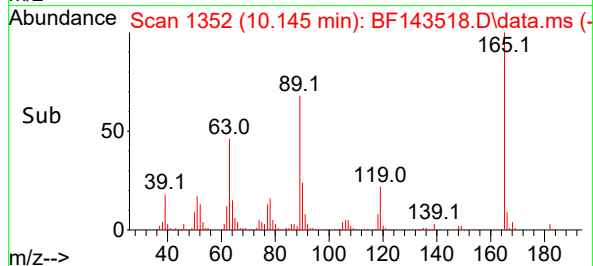


#57
2,4-Dinitrotoluene
Concen: 42.812 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

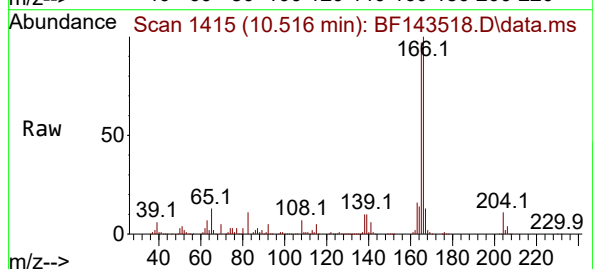
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



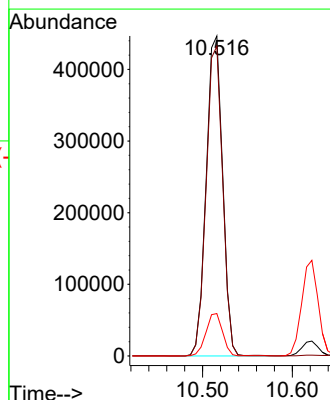
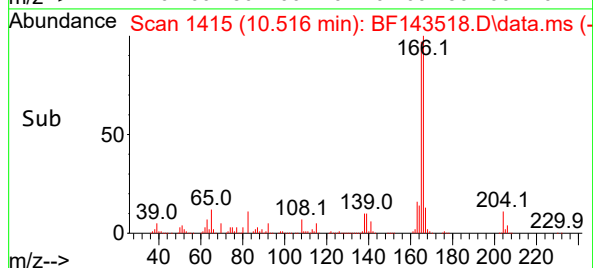
Tgt Ion:165 Resp: 174534
Ion Ratio Lower Upper
165 100
63 45.7 34.9 52.3
89 68.4 53.3 79.9
182 2.9 2.3 3.5

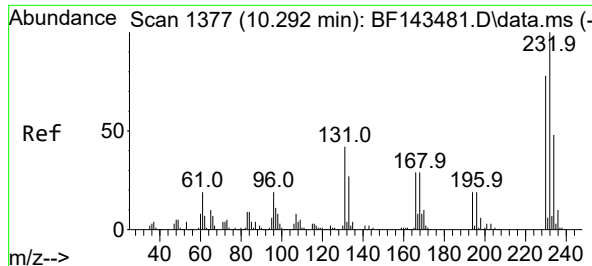


#58
Fluorene
Concen: 39.184 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21



Tgt Ion:166 Resp: 569387
Ion Ratio Lower Upper
166 100
165 96.8 78.3 117.5
167 13.2 11.0 16.4

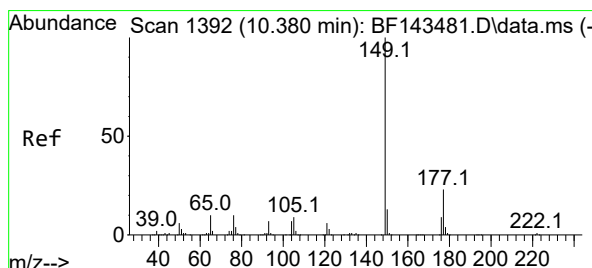
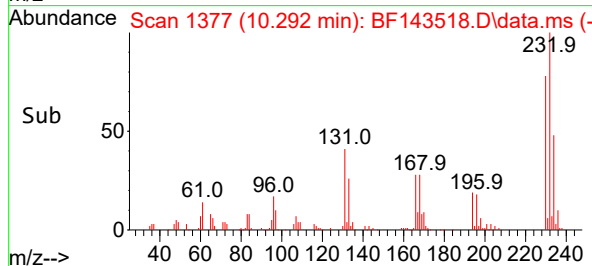
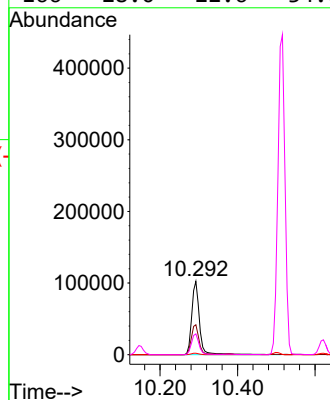
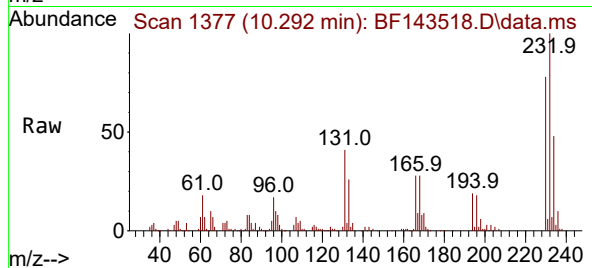




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.463 ng
RT: 10.292 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

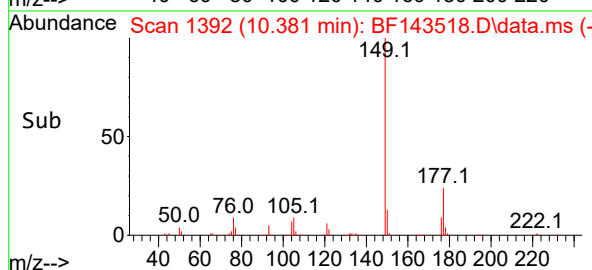
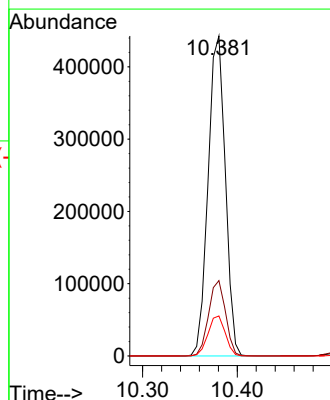
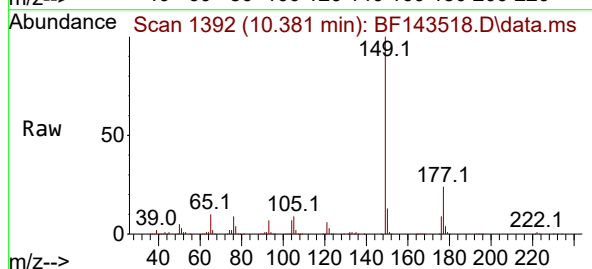
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

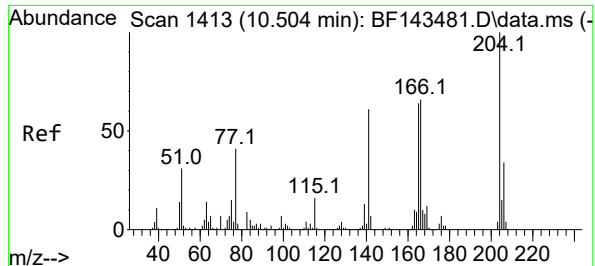
Tgt Ion:232 Resp: 141362
Ion Ratio Lower Upper
232 100
131 40.6 32.7 49.1
130 2.0 1.6 2.4
166 28.0 22.6 34.0



#60
Diethylphthalate
Concen: 42.212 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:149 Resp: 557513
Ion Ratio Lower Upper
149 100
177 23.5 18.3 27.5
150 12.5 10.3 15.5

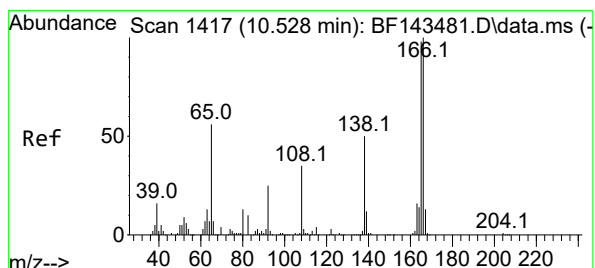
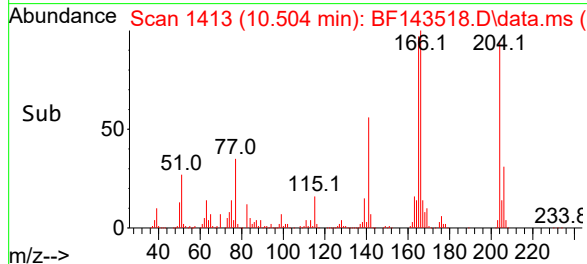
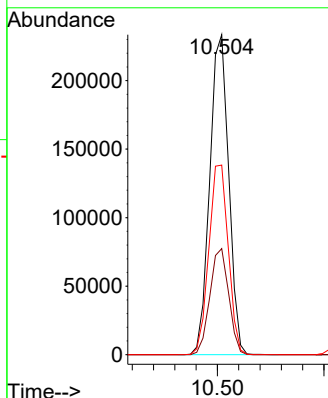
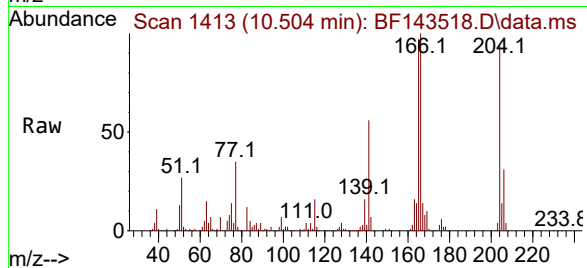




#61
4-Chlorophenyl-phenylether
Concen: 39.680 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

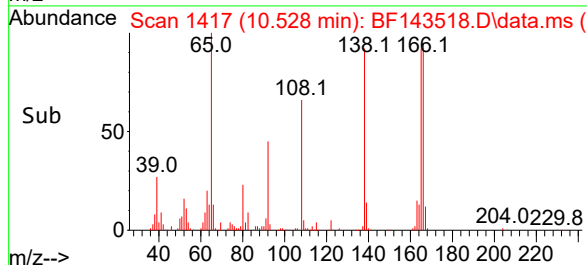
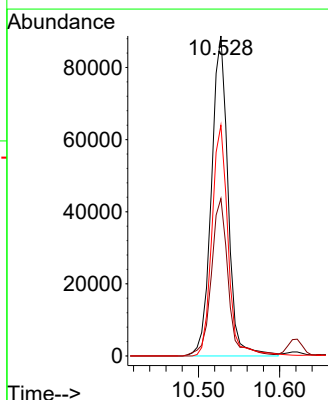
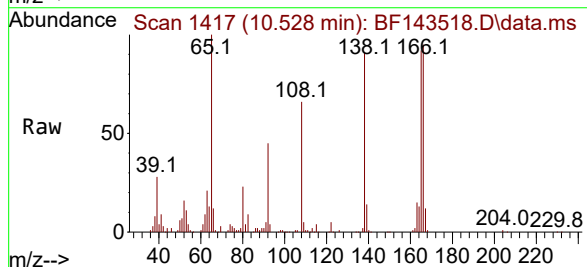
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

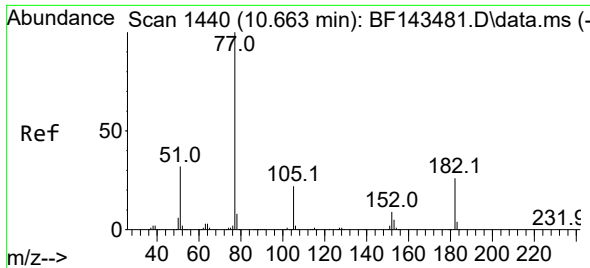
Tgt Ion	204	Resp	288368
Ion Ratio	Lower	Upper	
204	100		
206	33.1	27.0	40.4
141	59.3	48.7	73.1



#62
4-Nitroaniline
Concen: 41.677 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion	138	Resp	126293
Ion Ratio	Lower	Upper	
138	100		
92	49.2	29.3	69.3
108	72.1	50.7	90.7

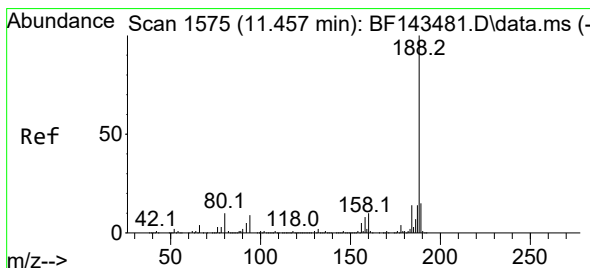
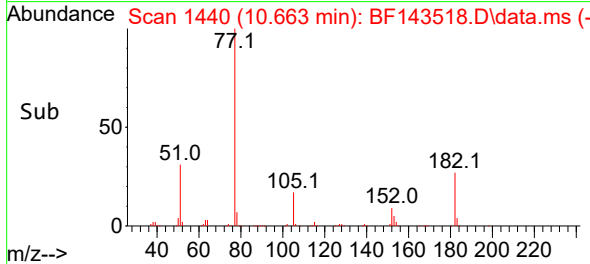
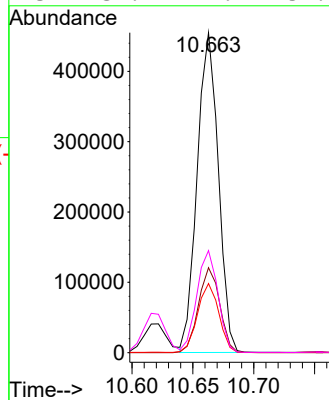
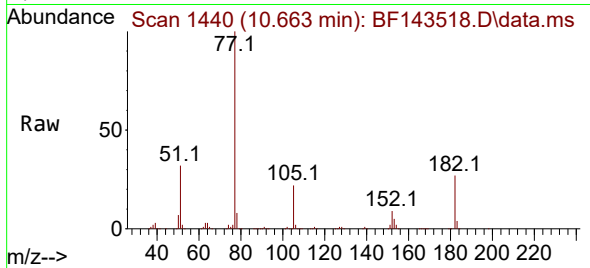




#63
Azobenzene
Concen: 40.129 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

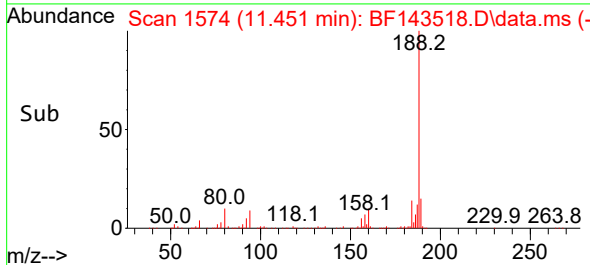
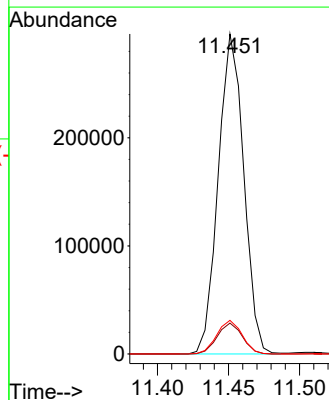
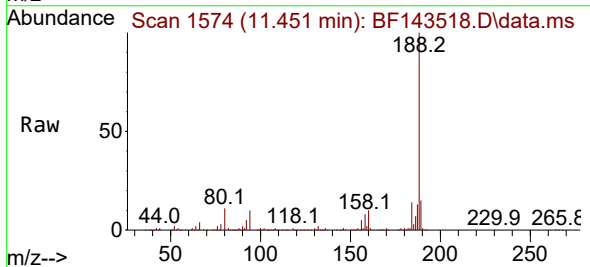
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

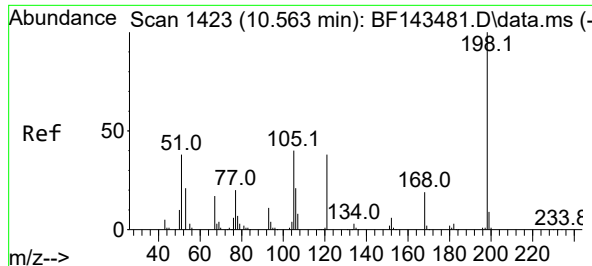
Tgt Ion: 77 Resp: 549552
Ion Ratio Lower Upper
77 100
182 26.6 6.2 46.2
105 21.6 2.2 42.2
51 31.9 12.4 52.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 188 Resp: 369706
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.5 8.2 12.4

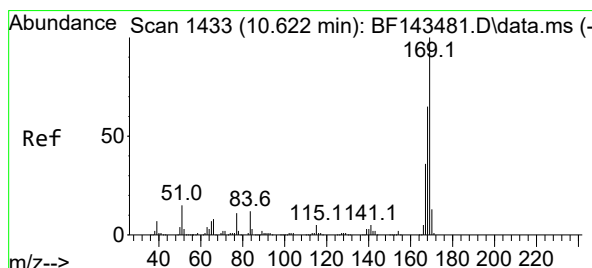
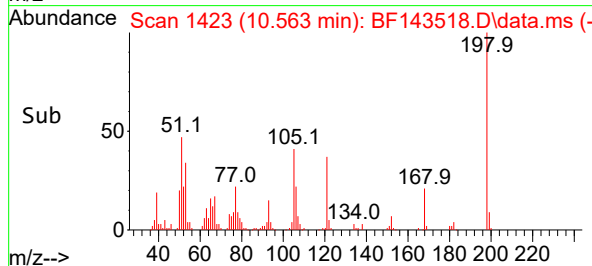
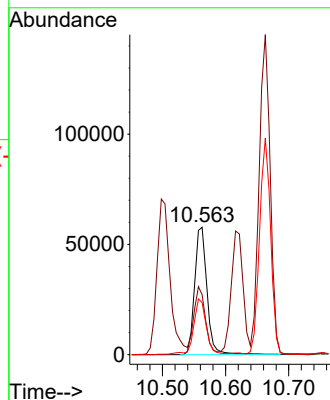
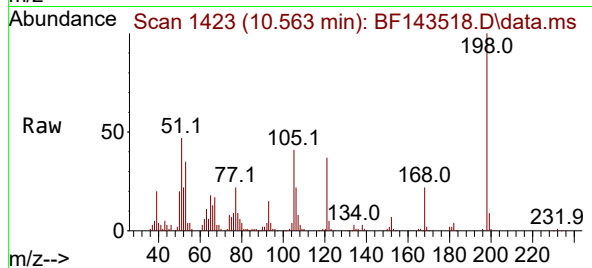




#65
4,6-Dinitro-2-methylphenol
Concen: 37.928 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

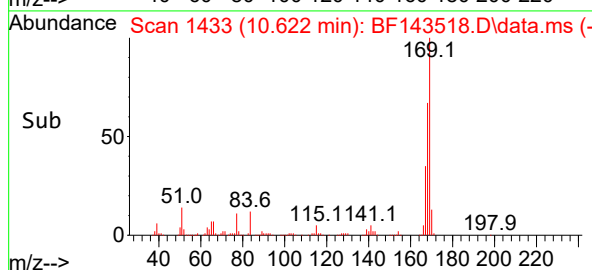
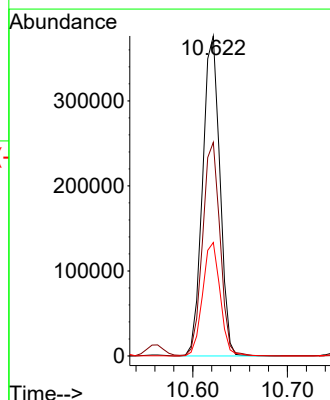
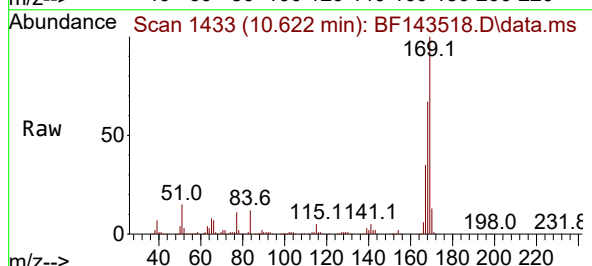
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

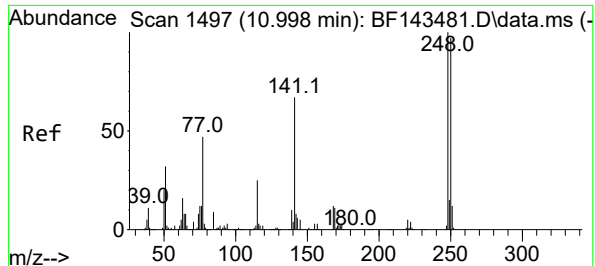
Tgt Ion	Ratio	Lower	Upper
198	100		
51	47.1	29.6	69.6
105	41.0	21.5	61.5



#66
n-Nitrosodiphenylamine
Concen: 40.110 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.4	78.6
167	35.5	28.9	43.3

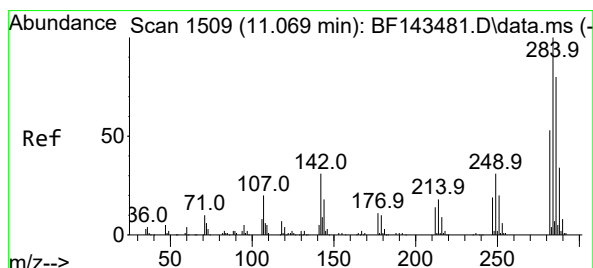
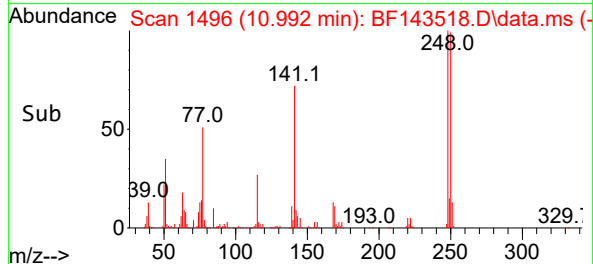
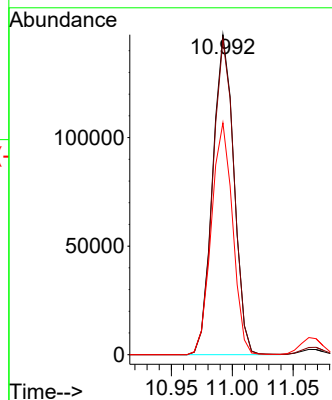
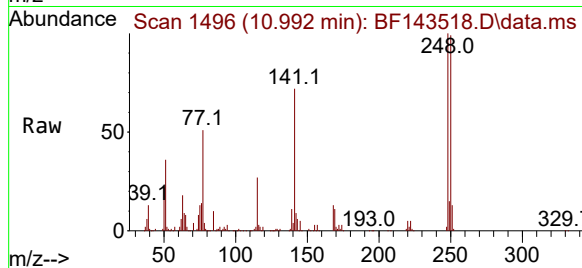




#67
4-Bromophenyl-phenylether
Concen: 40.542 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

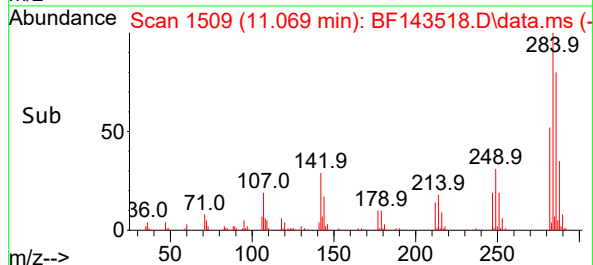
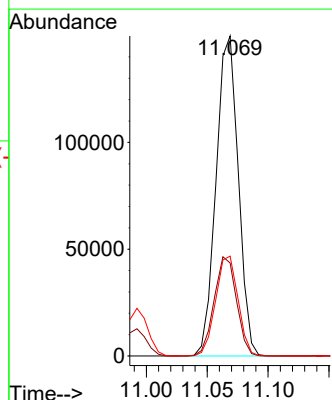
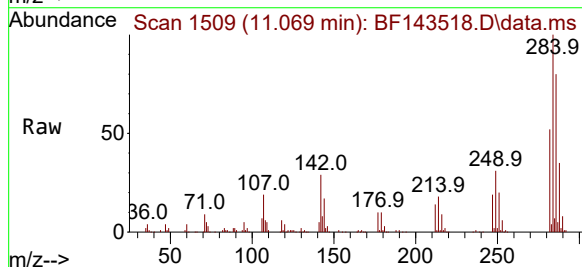
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

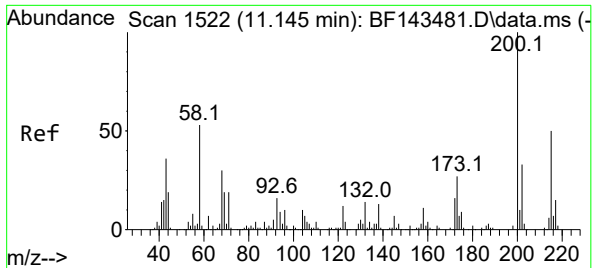
Tgt Ion:248 Resp: 178840
Ion Ratio Lower Upper
248 100
250 98.5 77.8 116.8
141 72.4 54.0 81.0



#68
Hexachlorobenzene
Concen: 39.979 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:284 Resp: 190099
Ion Ratio Lower Upper
284 100
142 29.0 24.4 36.6
249 31.2 25.0 37.6





#69

Atrazine

Concen: 46.846 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

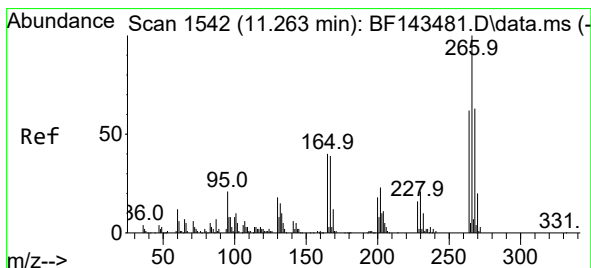
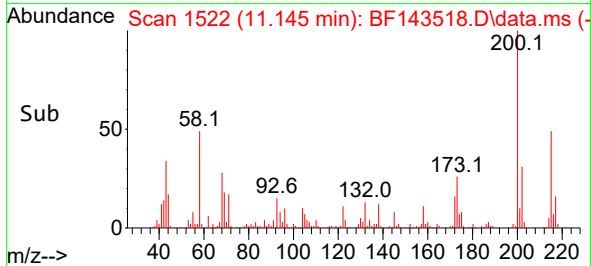
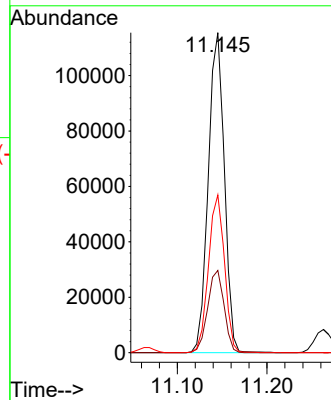
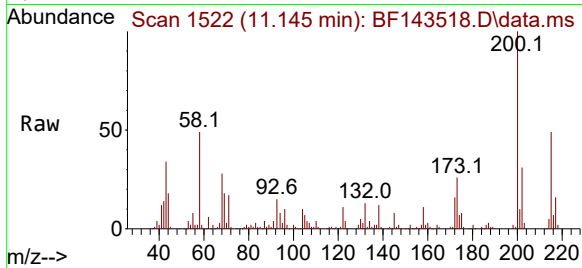
Tgt Ion:200 Resp: 143876

Ion Ratio Lower Upper

200 100

173 25.7 6.9 46.9

215 49.3 30.0 70.0



#70

Pentachlorophenol

Concen: 36.133 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

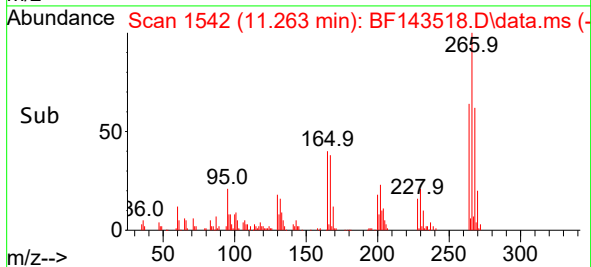
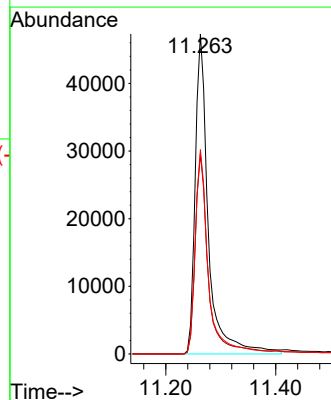
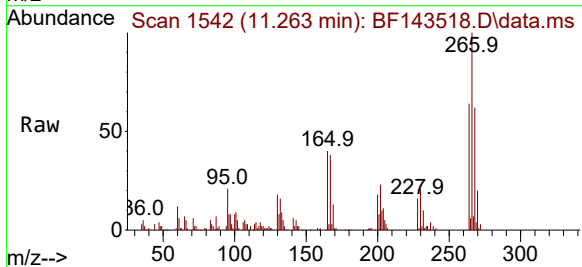
Tgt Ion:266 Resp: 78686

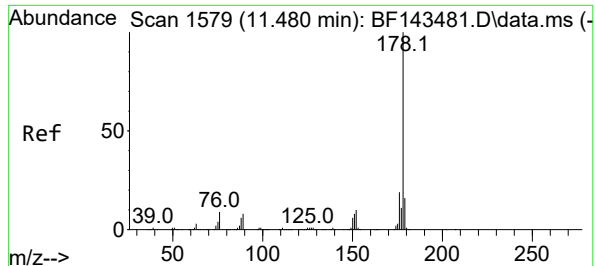
Ion Ratio Lower Upper

266 100

268 62.5 50.5 75.7

264 63.8 49.8 74.8





#71

Phenanthrene

Concen: 39.294 ng

RT: 11.475 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

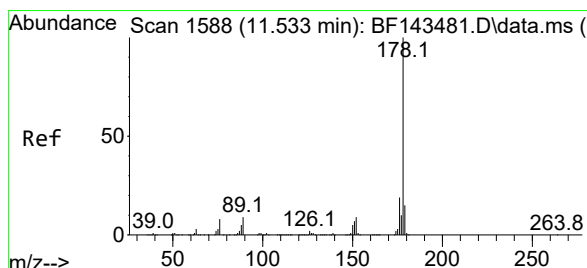
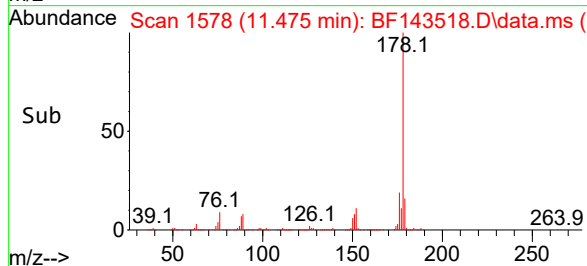
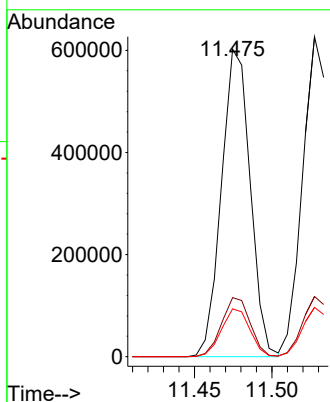
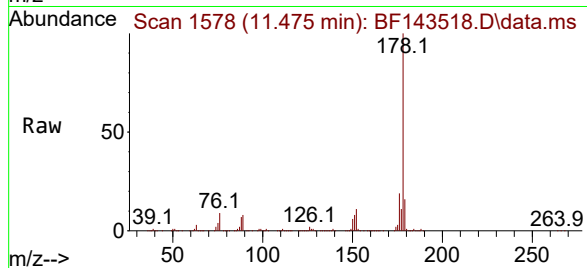
Tgt Ion:178 Resp: 777957

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.5 12.5 18.7



#72

Anthracene

Concen: 39.255 ng

RT: 11.528 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

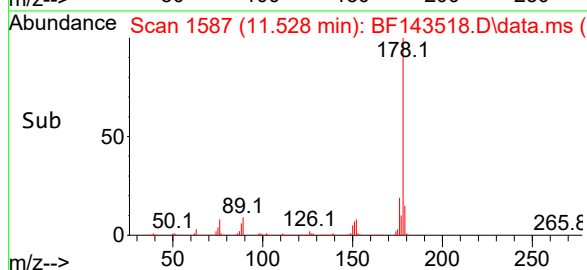
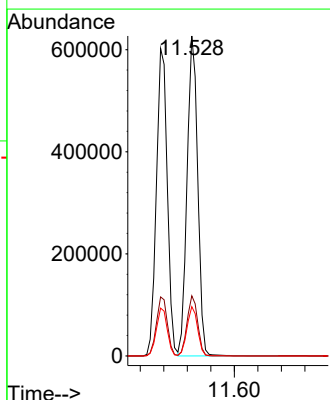
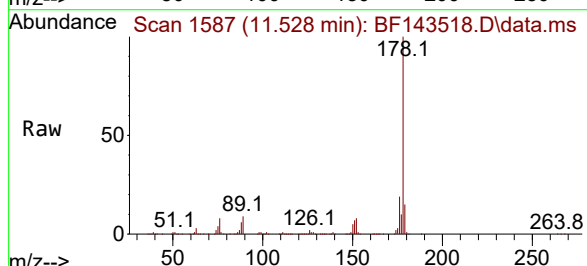
Tgt Ion:178 Resp: 787324

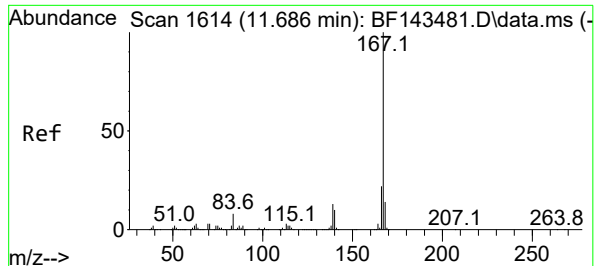
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.4 12.3 18.5





#73

Carbazole

Concen: 39.380 ng

RT: 11.680 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

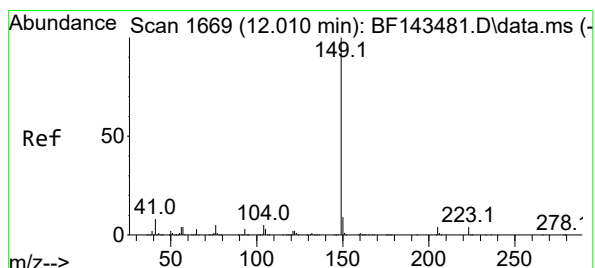
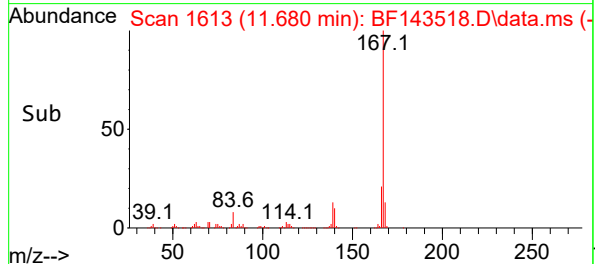
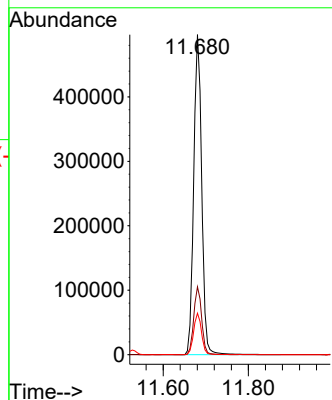
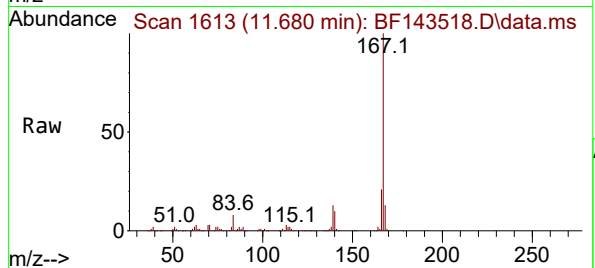
Tgt Ion:167 Resp: 647183

Ion Ratio Lower Upper

167 100

166 21.2 17.3 25.9

139 13.0 10.0 15.0



#74

Di-n-butylphthalate

Concen: 46.124 ng

RT: 12.004 min Scan# 1668

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

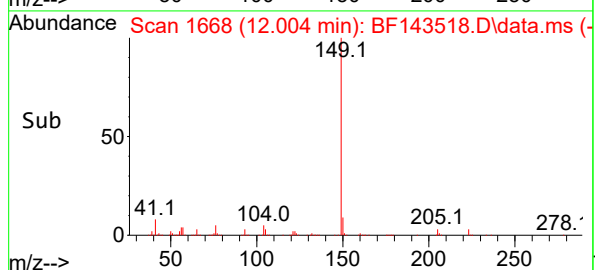
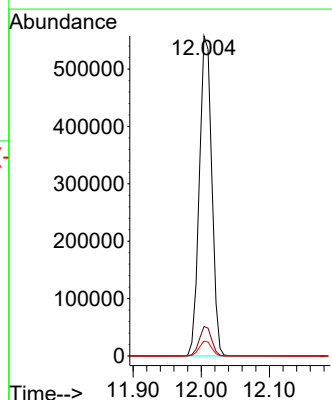
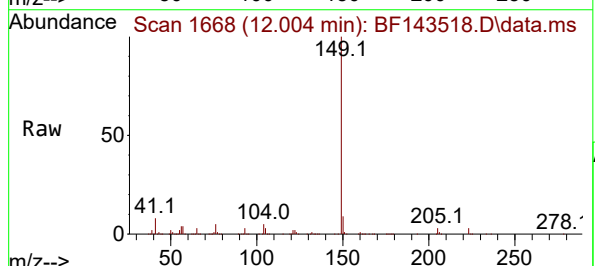
Tgt Ion:149 Resp: 707138

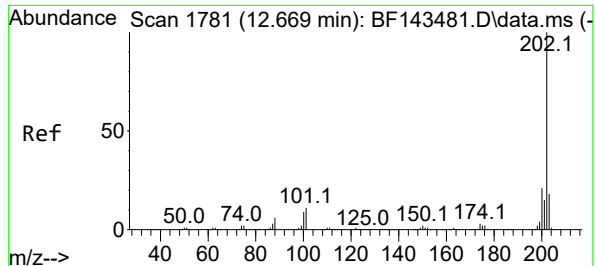
Ion Ratio Lower Upper

149 100

150 9.2 7.2 10.8

104 4.7 3.6 5.4

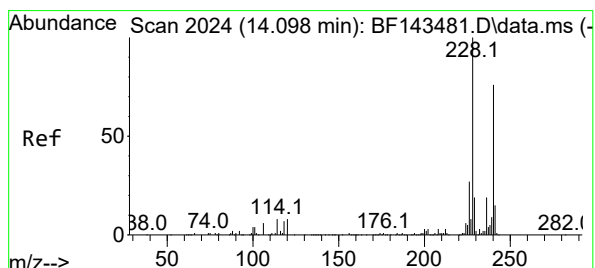
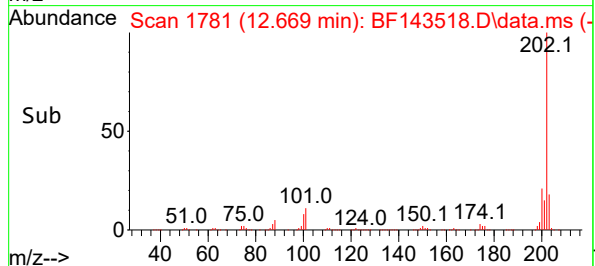
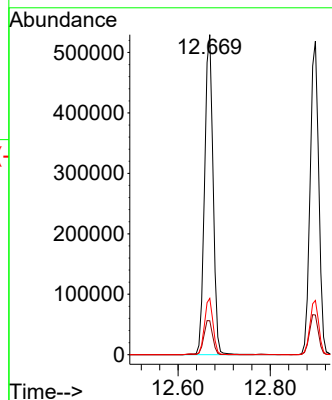
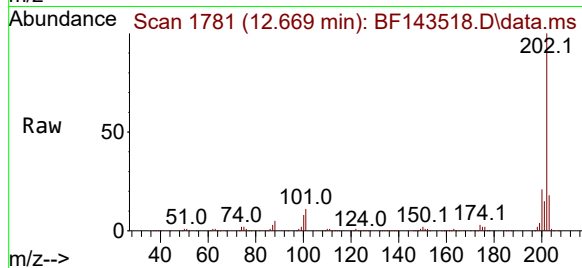




#75
Fluoranthene
Concen: 38.372 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

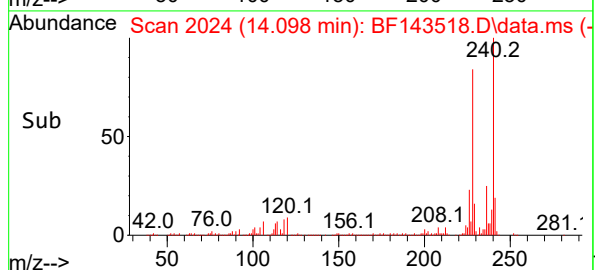
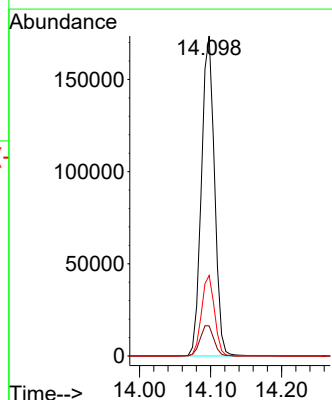
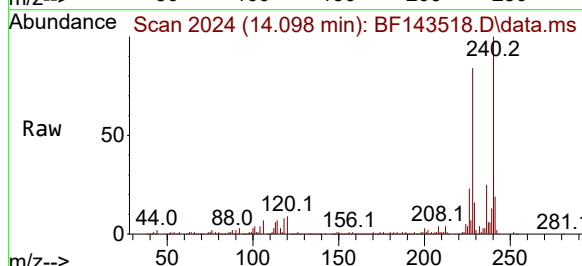
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

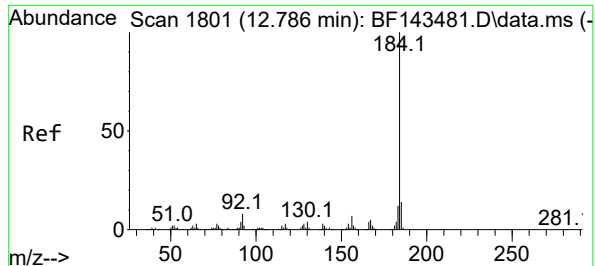
Tgt Ion:202 Resp: 681682
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.3
203 17.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:240 Resp: 222503
Ion Ratio Lower Upper
240 100
120 9.4 8.6 12.8
236 25.2 20.4 30.6





#77

Benzidine

Concen: 40.029 ng

RT: 12.780 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

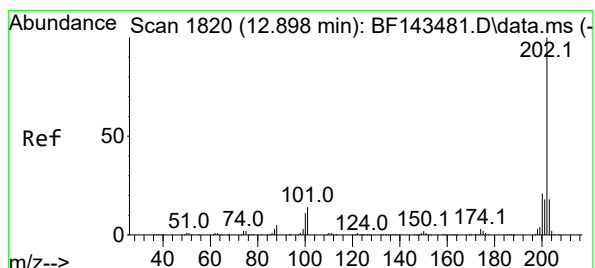
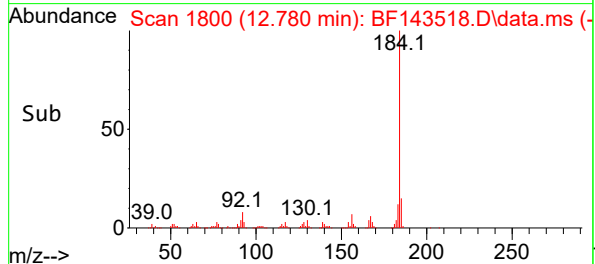
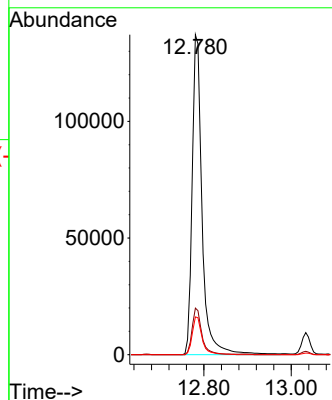
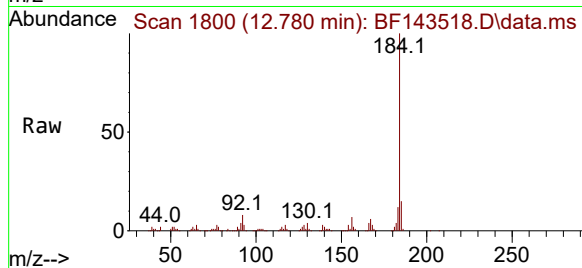
Tgt Ion:184 Resp: 216953

Ion Ratio Lower Upper

184 100

185 14.6 11.3 16.9

183 11.8 9.5 14.3



#78

Pyrene

Concen: 36.801 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

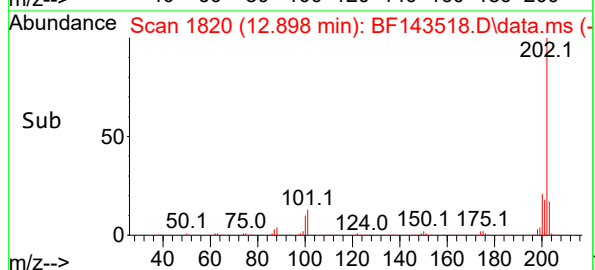
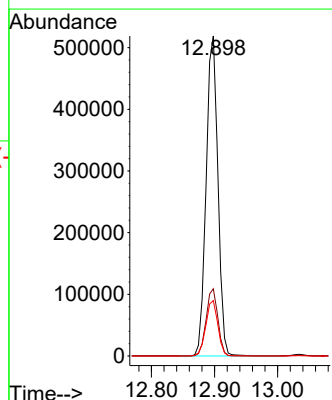
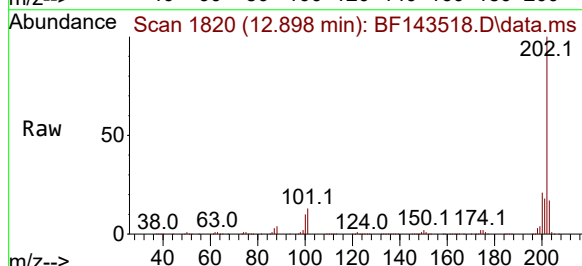
Tgt Ion:202 Resp: 673559

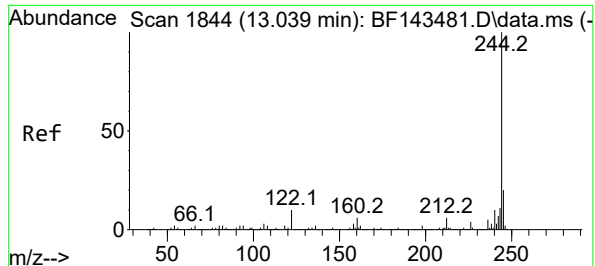
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.3 14.3 21.5





#79

Terphenyl-d14

Concen: 76.374 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

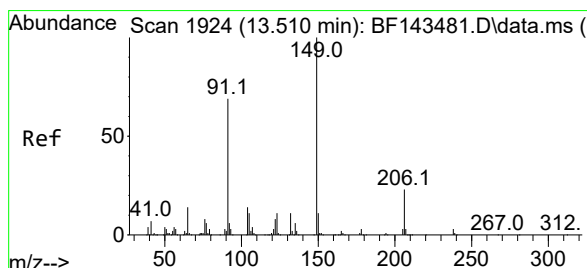
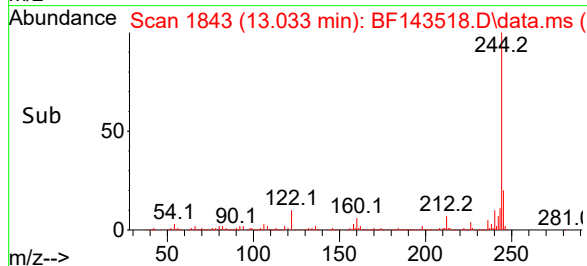
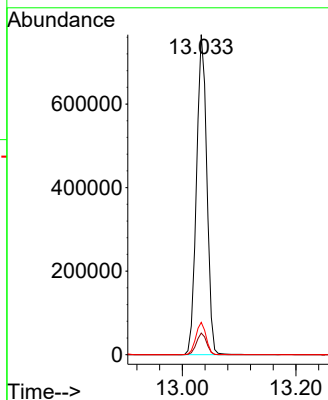
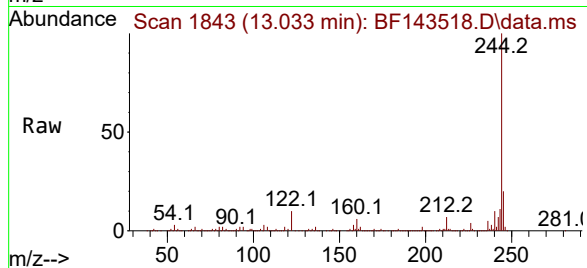
Tgt Ion:244 Resp: 973817

Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

122 10.1 7.9 11.9



#80

Butylbenzylphthalate

Concen: 43.176 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

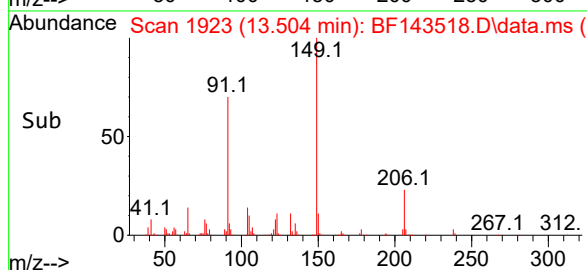
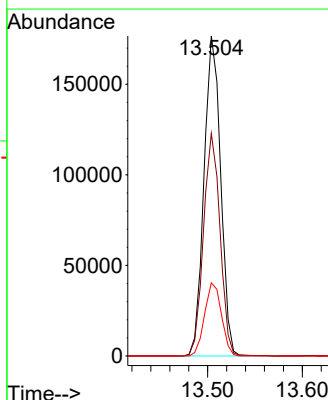
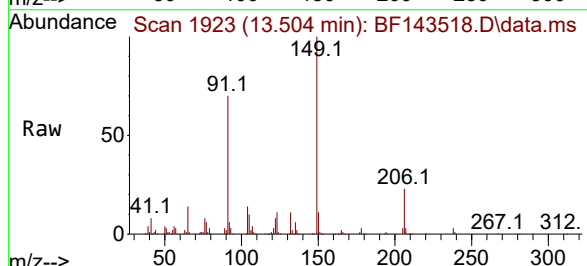
Tgt Ion:149 Resp: 215877

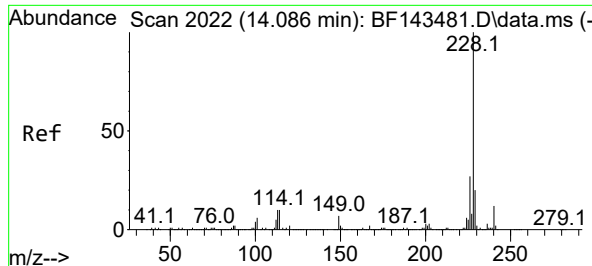
Ion Ratio Lower Upper

149 100

91 69.5 55.3 82.9

206 22.9 18.2 27.4

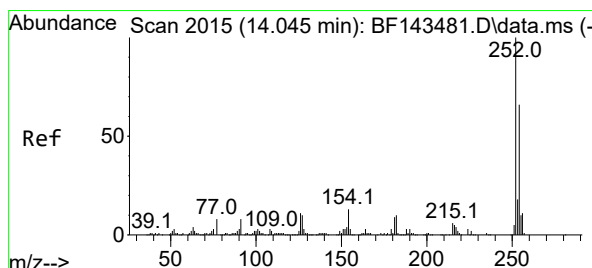
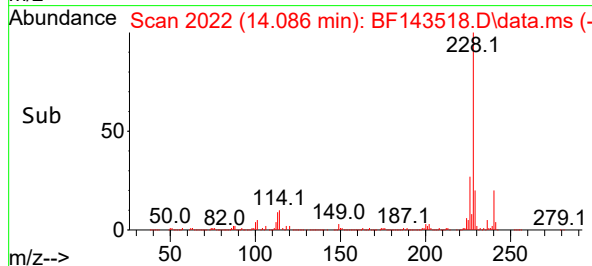
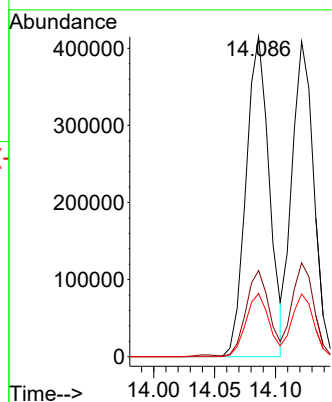
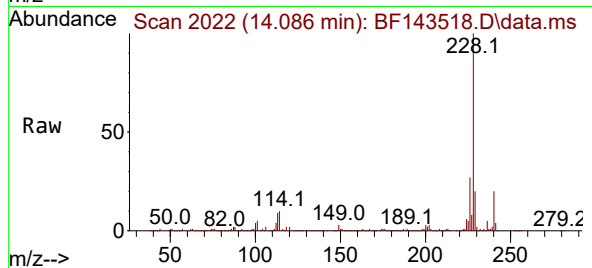




#81
Benzo(a)anthracene
Concen: 38.502 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

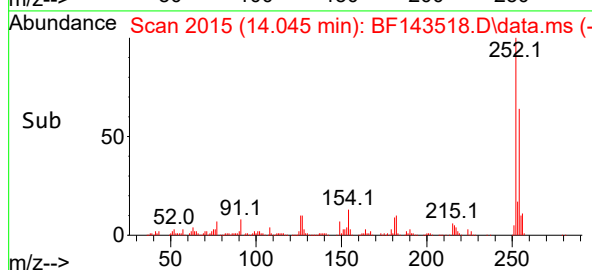
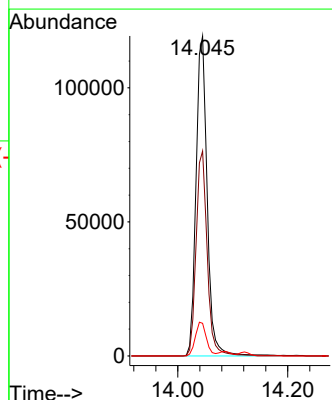
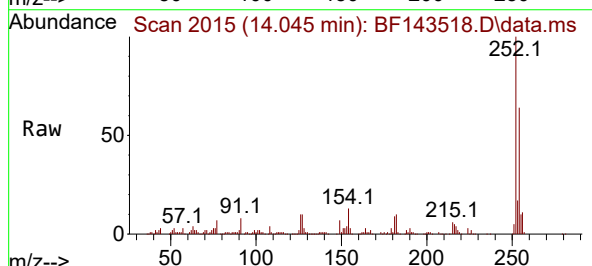
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

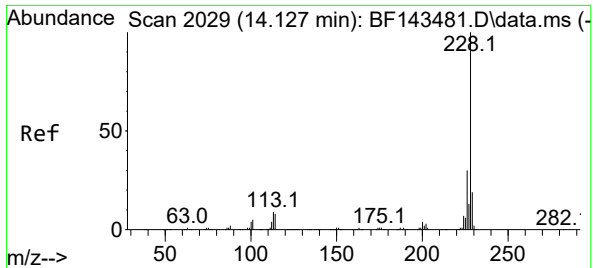
Tgt Ion:228 Resp: 551541
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.7 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 40.879 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:252 Resp: 167699
Ion Ratio Lower Upper
252 100
254 64.0 52.6 79.0
126 10.2 8.7 13.1

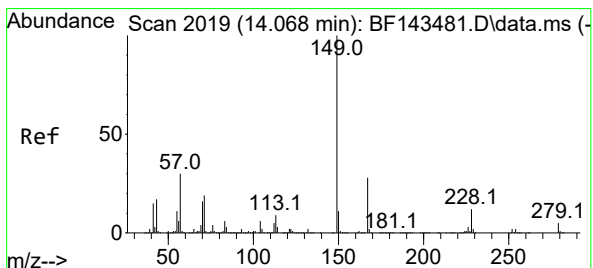
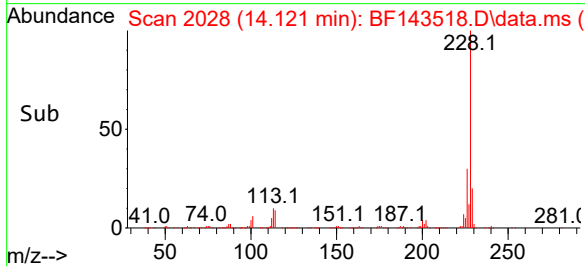
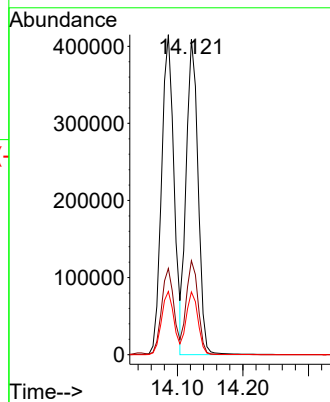
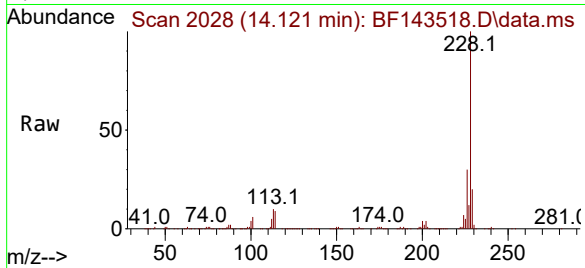




#83
Chrysene
Concen: 39.654 ng
RT: 14.121 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

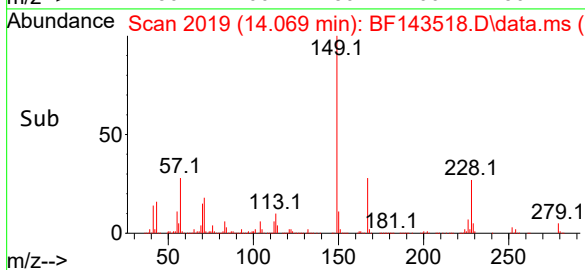
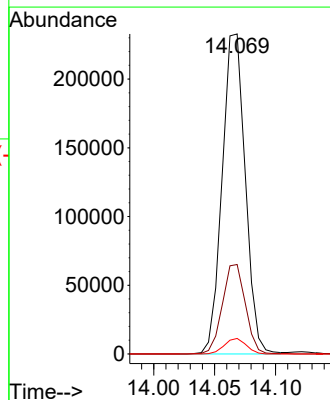
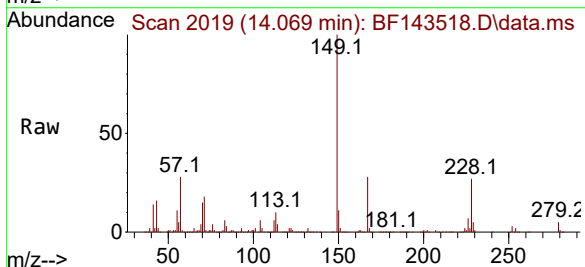
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

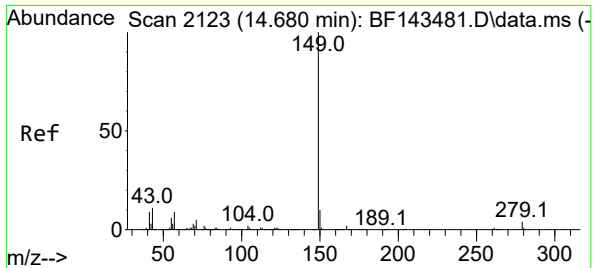
Tgt Ion:228 Resp: 510484
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 19.9 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 40.447 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:149 Resp: 308015
Ion Ratio Lower Upper
149 100
167 28.0 22.2 33.2
279 4.8 3.6 5.4

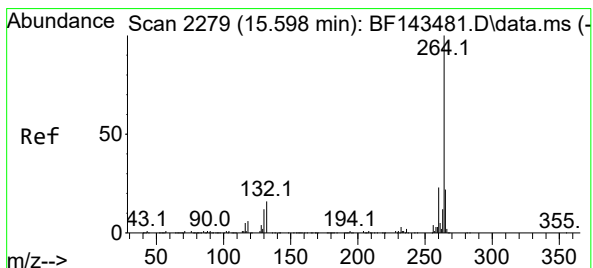
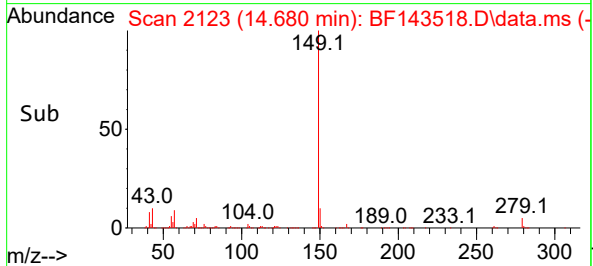
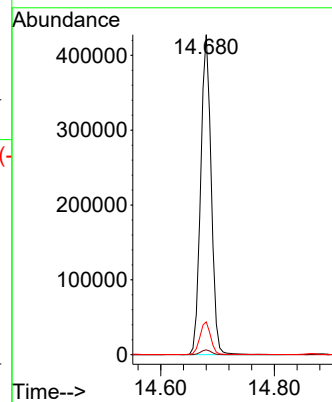
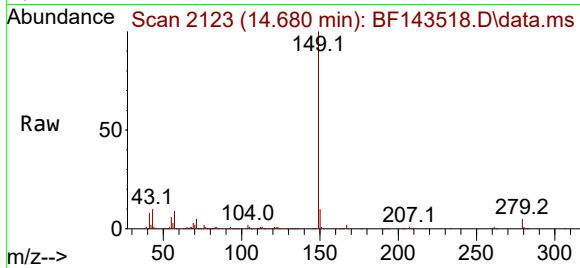




#85
Di-n-octyl phthalate
Concen: 39.064 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

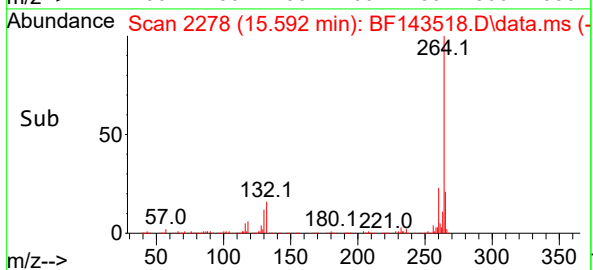
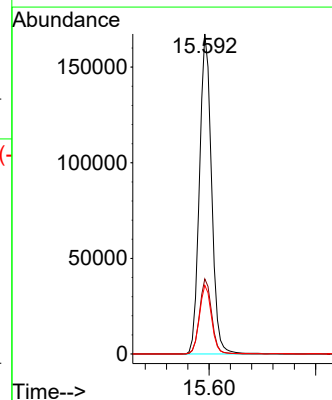
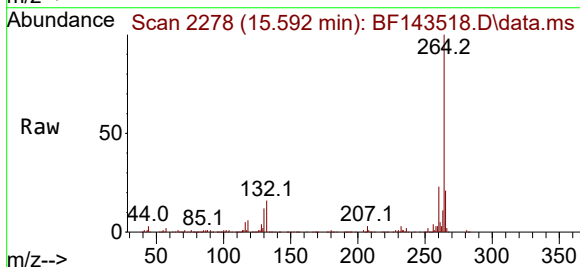
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

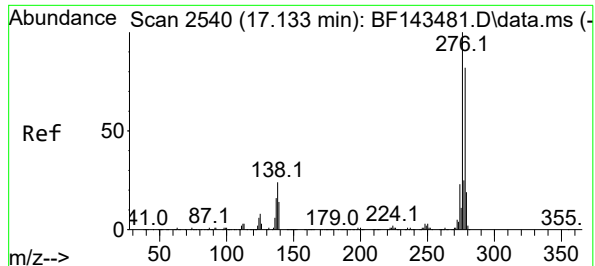
Tgt Ion:149 Resp: 551091
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.5 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:264 Resp: 262934
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.259 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

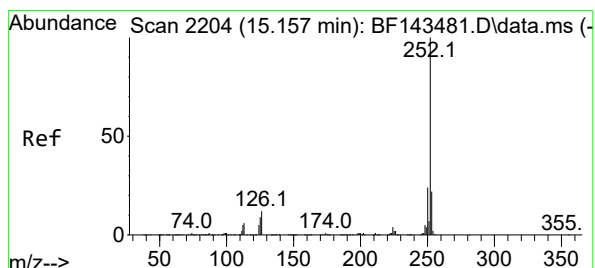
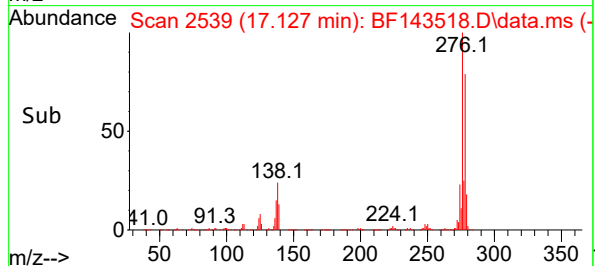
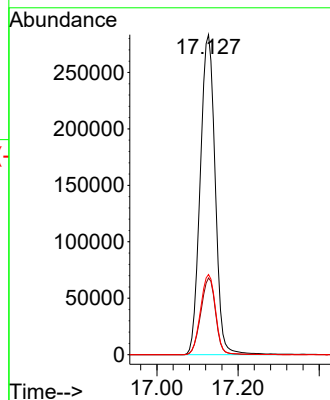
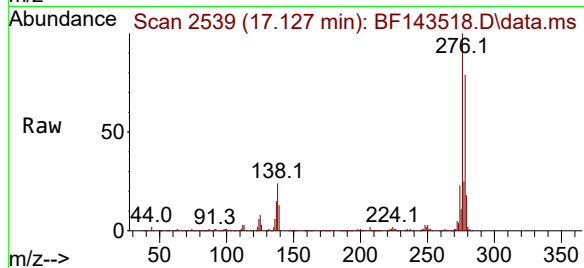
Tgt Ion:276 Resp: 722883

Ion Ratio Lower Upper

276 100

138 23.8 19.2 28.8

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 42.286 ng

RT: 15.151 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

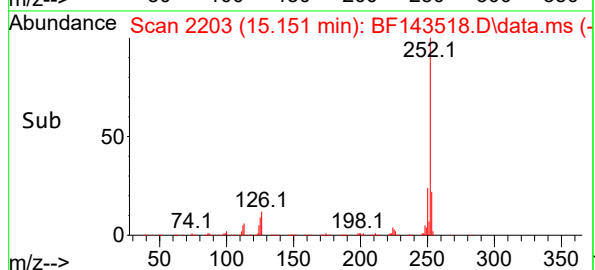
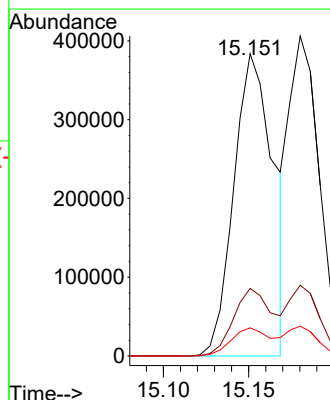
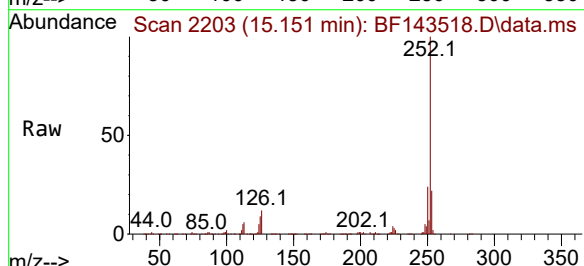
Tgt Ion:252 Resp: 618031

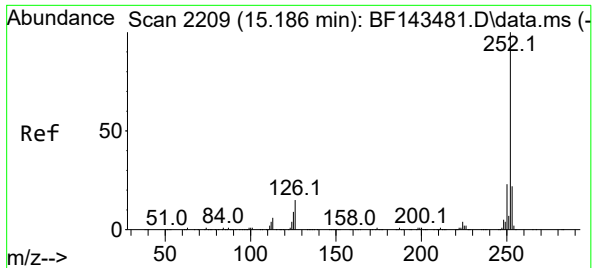
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 9.3 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 36.812 ng

RT: 15.180 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

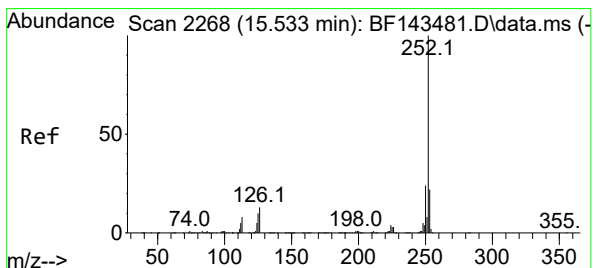
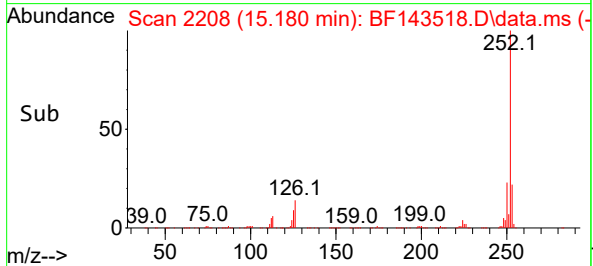
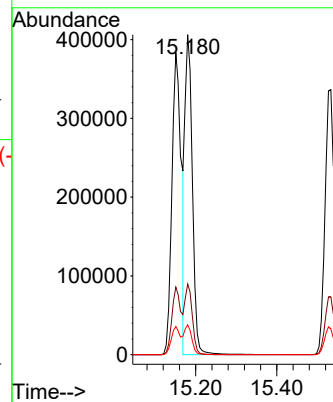
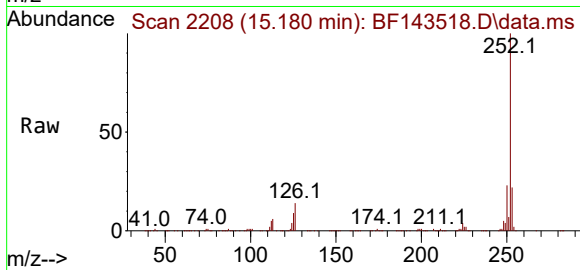
Tgt Ion:252 Resp: 515140

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 9.4 7.4 11.0



#90

Benzo(a)pyrene

Concen: 39.710 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

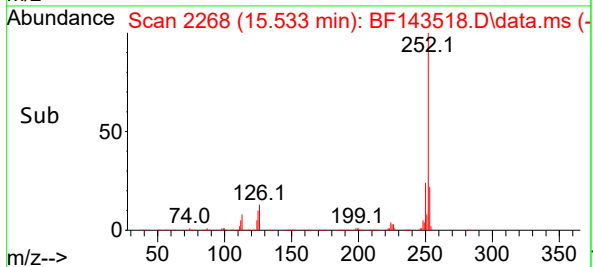
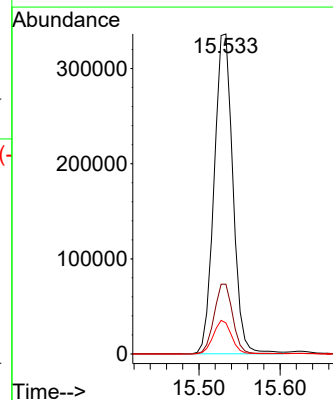
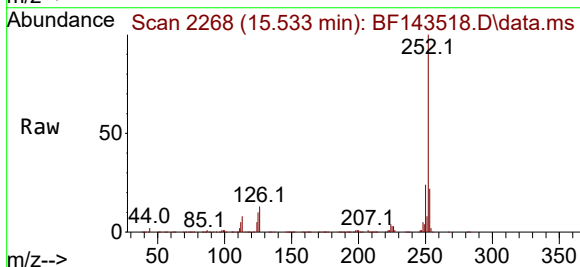
Tgt Ion:252 Resp: 538725

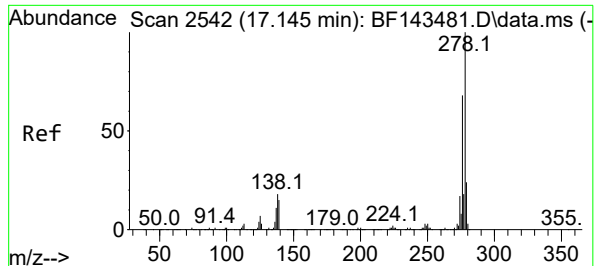
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.7 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 38.822 ng

RT: 17.139 min Scan# 2541

Delta R.T. -0.018 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

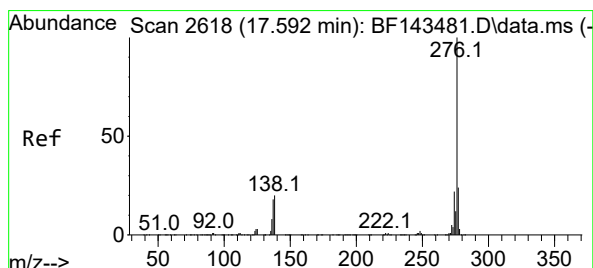
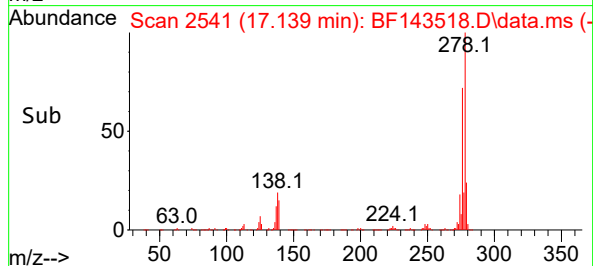
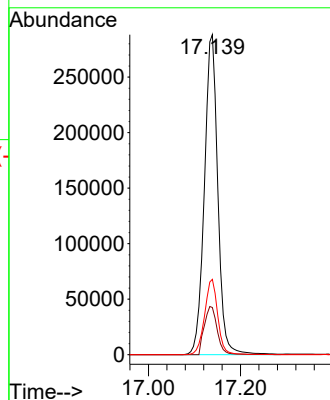
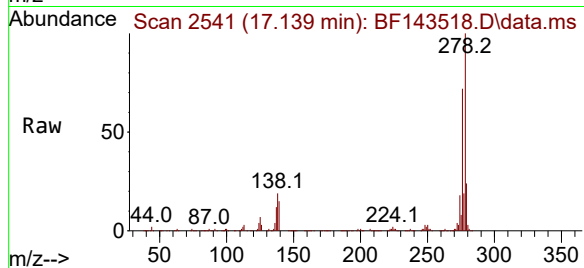
Tgt Ion:278 Resp: 587454

Ion Ratio Lower Upper

278 100

139 14.8 12.1 18.1

279 23.5 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 36.878 ng

RT: 17.586 min Scan# 2617

Delta R.T. -0.018 min

Lab File: BF143518.D

Acq: 21 Aug 2025 09:21

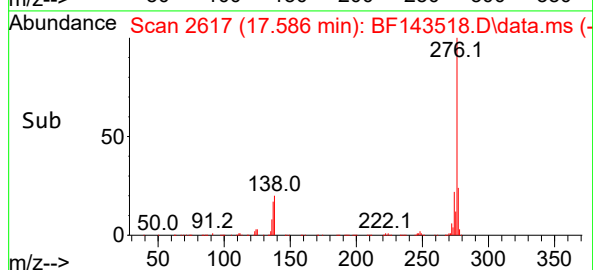
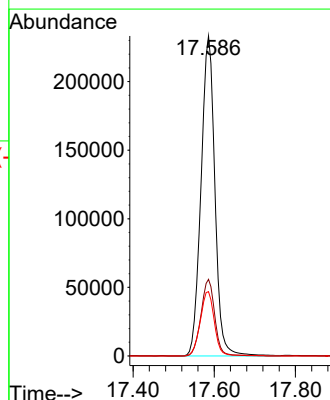
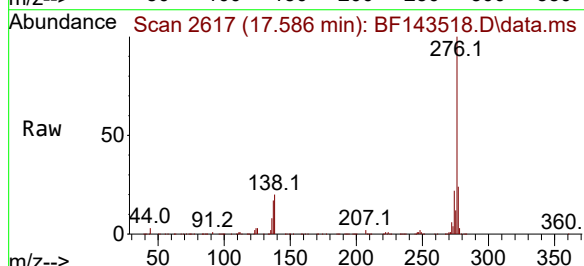
Tgt Ion:276 Resp: 554893

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 20.1 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
2	1,4-Dioxane	0.531	0.541	-1.9	86	0.00
3	Pyridine	1.413	1.433	-1.4	85	0.00
4	n-Nitrosodimethylamine	0.635	0.638	-0.5	85	-0.02
5 S	2-Fluorophenol	1.145	1.132	1.1	85	0.00
6	Aniline	1.890	1.905	-0.8	86	0.00
7 S	Phenol-d6	1.414	1.413	0.1	86	-0.01
8	2-Chlorophenol	1.265	1.272	-0.6	86	0.00
9	Benzaldehyde	1.145	1.256	-9.7	90	0.00
10 C	Phenol	1.629	1.644	-0.9	86	-0.01
11	bis(2-Chloroethyl)ether	1.217	1.227	-0.8	87	0.00
12	1,3-Dichlorobenzene	1.421	1.414	0.5	86	0.00
13 C	1,4-Dichlorobenzene	1.426	1.427	-0.1	87	0.00
14	1,2-Dichlorobenzene	1.350	1.354	-0.3	86	0.00
15	Benzyl Alcohol	1.059	1.079	-1.9	85	0.00
16	2,2'-oxybis(1-Chloropropane	1.947	1.939	0.4	85	0.00
17	2-Methylphenol	1.015	1.028	-1.3	87	0.00
18	Hexachloroethane	0.485	0.490	-1.0	86	0.00
19 P	n-Nitroso-di-n-propylamine	0.864	0.860	0.5	87	-0.02
20	3+4-Methylphenols	1.212	1.227	-1.2	86	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22	Acetophenone	0.432	0.427	1.2	88	0.00
23 S	Nitrobenzene-d5	0.343	0.348	-1.5	87	-0.01
24	Nitrobenzene	0.353	0.362	-2.5	87	-0.01
25	Isophorone	0.628	0.630	-0.3	87	-0.01
26 C	2-Nitrophenol	0.173	0.180	-4.0	87	0.00
27	2,4-Dimethylphenol	0.269	0.270	-0.4	86	0.00
28	bis(2-Chloroethoxy)methane	0.386	0.384	0.5	85	0.00
29 C	2,4-Dichlorophenol	0.288	0.290	-0.7	86	0.00
30	1,2,4-Trichlorobenzene	0.296	0.296	0.0	87	0.00
31	Naphthalene	0.960	0.950	1.0	87	0.00
32	Benzoic acid	0.137	0.130	5.1	77	-0.04
33	4-Chloroaniline	0.341	0.339	0.6	85	0.00
34 C	Hexachlorobutadiene	0.193	0.194	-0.5	87	0.00
35	Caprolactam	0.069	0.078	-13.0	95	-0.03
36 C	4-Chloro-3-methylphenol	0.288	0.289	-0.3	87	0.00
37	2-Methylnaphthalene	0.641	0.627	2.2	85	0.00
38	1-Methylnaphthalene	0.613	0.605	1.3	86	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	0.572	0.568	0.7	87	0.00
41 P	Hexachlorocyclopentadiene	0.184	0.169	8.2	74	0.00
42 S	2,4,6-Tribromophenol	0.186	0.186	0.0	86	0.00
43 C	2,4,6-Trichlorophenol	0.352	0.355	-0.9	84	0.00
44	2,4,5-Trichlorophenol	0.385	0.380	1.3	86	0.00
45 S	2-Fluorobiphenyl	1.210	1.177	2.7	88	0.00
46	1,1'-Biphenyl	1.420	1.391	2.0	86	0.00
47	2-Chloronaphthalene	1.114	1.096	1.6	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.326	0.335	-2.8	86	0.00
49	Acenaphthylene	1.595	1.578	1.1	86	0.00
50	Dimethylphthalate	1.205	1.250	-3.7	90	0.00
51	2,6-Dinitrotoluene	0.250	0.265	-6.0	88	0.00
52 C	Acenaphthene	1.083	1.067	1.5	86	0.00
53	3-Nitroaniline	0.270	0.278	-3.0	86	0.00
54 P	2,4-Dinitrophenol	0.115	0.109	5.2	79	0.00
55	Dibenzofuran	1.544	1.525	1.2	87	0.00
56 P	4-Nitrophenol	0.161	0.155	3.7	78	0.00
57	2,4-Dinitrotoluene	0.333	0.357	-7.2	88	-0.01
58	Fluorene	1.188	1.164	2.0	87	0.00
59	2,3,4,6-Tetrachlorophenol	0.286	0.289	-1.0	84	0.00
60	Diethylphthalate	1.080	1.140	-5.6	91	0.00
61	4-Chlorophenyl-phenylether	0.594	0.589	0.8	87	0.00
62	4-Nitroaniline	0.248	0.258	-4.0	87	-0.01
63	Azobenzene	1.120	1.123	-0.3	87	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	85	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.107	5.3	76	0.00
66 c	n-Nitrosodiphenylamine	0.644	0.645	-0.2	85	0.00
67	4-Bromophenyl-phenylether	0.239	0.242	-1.3	85	0.00
68	Hexachlorobenzene	0.257	0.257	0.0	85	0.00
69	Atrazine	0.166	0.195	-17.5	98	0.00
70 C	Pentachlorophenol	0.118	0.106	10.2	73	0.00
71	Phenanthrene	1.071	1.052	1.8	86	0.00
72	Anthracene	1.085	1.065	1.8	84	0.00
73	Carbazole	0.889	0.875	1.6	84	0.00
74	Di-n-butylphthalate	0.829	0.956	-15.3	95	0.00
75 C	Fluoranthene	0.961	0.922	4.1	83	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77	Benzydine	0.487	0.488	-0.2	84	0.00
78	Pyrene	1.645	1.514	8.0	82	0.00
79 S	Terphenyl-d14	1.146	1.094	4.5	86	0.00
80	Butylbenzylphthalate	0.449	0.485	-8.0	92	0.00
81	Benzo(a)anthracene	1.288	1.239	3.8	84	0.00
82	3,3'-Dichlorobenzidine	0.369	0.377	-2.2	90	0.00
83	Chrysene	1.157	1.147	0.9	92	0.00
84	Bis(2-ethylhexyl)phthalate	0.685	0.692	-1.0	87	0.00
85 c	Di-n-octyl phthalate	1.268	1.238	2.4	85	0.00
86 I	Perylene-d12	1.000	1.000	0.0	91	0.00
87	Indeno(1,2,3-cd)pyrene	1.437	1.375	4.3	87	-0.01
88	Benzo(b)fluoranthene	1.112	1.175	-5.7	100	0.00
89	Benzo(k)fluoranthene	1.064	0.980	7.9	83	-0.01
90 C	Benzo(a)pyrene	1.032	1.024	0.8	91	0.00
91	Dibenzo(a,h)anthracene	1.151	1.117	3.0	88	-0.02
92	Benzo(g,h,i)perylene	1.145	1.055	7.9	83	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	86	0.00
2	1,4-Dioxane	40.000	40.780	-2.0	86	0.00
3	Pyridine	40.000	40.552	-1.4	85	0.00
4	n-Nitrosodimethylamine	40.000	40.163	-0.4	85	-0.02
5 S	2-Fluorophenol	80.000	79.089	1.1	85	0.00
6	Aniline	40.000	40.315	-0.8	86	0.00
7 S	Phenol-d6	80.000	79.973	0.0	86	-0.01
8	2-Chlorophenol	40.000	40.208	-0.5	86	0.00
9	Benzaldehyde	40.000	43.891	-9.7	90	0.00
10 C	Phenol	40.000	40.372	-0.9	86	-0.01
11	bis(2-Chloroethyl)ether	40.000	40.314	-0.8	87	0.00
12	1,3-Dichlorobenzene	40.000	39.802	0.5	86	0.00
13 C	1,4-Dichlorobenzene	40.000	40.045	-0.1	87	0.00
14	1,2-Dichlorobenzene	40.000	40.122	-0.3	86	0.00
15	Benzyl Alcohol	40.000	40.760	-1.9	85	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.834	0.4	85	0.00
17	2-Methylphenol	40.000	40.511	-1.3	87	0.00
18	Hexachloroethane	40.000	40.435	-1.1	86	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.822	0.4	87	-0.02
20	3+4-Methylphenols	40.000	40.503	-1.3	86	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22	Acetophenone	40.000	39.507	1.2	88	0.00
23 S	Nitrobenzene-d5	80.000	81.228	-1.5	87	-0.01
24	Nitrobenzene	40.000	41.020	-2.6	87	-0.01
25	Isophorone	40.000	40.104	-0.3	87	-0.01
26 C	2-Nitrophenol	40.000	41.767	-4.4	87	0.00
27	2,4-Dimethylphenol	40.000	40.108	-0.3	86	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.742	0.6	85	0.00
29 C	2,4-Dichlorophenol	40.000	40.285	-0.7	86	0.00
30	1,2,4-Trichlorobenzene	40.000	40.066	-0.2	87	0.00
31	Naphthalene	40.000	39.587	1.0	87	0.00
32	Benzoic acid	40.000	35.717	10.7	77	-0.04
33	4-Chloroaniline	40.000	39.804	0.5	85	0.00
34 C	Hexachlorobutadiene	40.000	40.194	-0.5	87	0.00
35	Caprolactam	40.000	45.135	-12.8	95	-0.03
36 C	4-Chloro-3-methylphenol	40.000	40.144	-0.4	87	0.00
37	2-Methylnaphthalene	40.000	39.089	2.3	85	0.00
38	1-Methylnaphthalene	40.000	39.436	1.4	86	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.693	0.8	87	0.00
41 P	Hexachlorocyclopentadiene	40.000	34.356	14.1	74	0.00
42 S	2,4,6-Tribromophenol	80.000	79.836	0.2	86	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.335	-0.8	84	0.00
44	2,4,5-Trichlorophenol	40.000	39.568	1.1	86	0.00
45 S	2-Fluorobiphenyl	80.000	77.819	2.7	88	0.00
46	1,1'-Biphenyl	40.000	39.203	2.0	86	0.00
47	2-Chloronaphthalene	40.000	39.372	1.6	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.078	-2.7	86	0.00
49	Acenaphthylene	40.000	39.570	1.1	86	0.00
50	Dimethylphthalate	40.000	41.504	-3.8	90	0.00
51	2,6-Dinitrotoluene	40.000	42.495	-6.2	88	0.00
52 C	Acenaphthene	40.000	39.417	1.5	86	0.00
53	3-Nitroaniline	40.000	41.155	-2.9	86	0.00
54 P	2,4-Dinitrophenol	40.000	35.824	10.4	79	0.00
55	Dibenzofuran	40.000	39.509	1.2	87	0.00
56 P	4-Nitrophenol	40.000	38.513	3.7	78	0.00
57	2,4-Dinitrotoluene	40.000	42.812	-7.0	88	-0.01
58	Fluorene	40.000	39.184	2.0	87	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.463	-1.2	84	0.00
60	Diethylphthalate	40.000	42.212	-5.5	91	0.00
61	4-Chlorophenyl-phenylether	40.000	39.680	0.8	87	0.00
62	4-Nitroaniline	40.000	41.677	-4.2	87	-0.01
63	Azobenzene	40.000	40.129	-0.3	87	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	85	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.928	5.2	76	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.110	-0.3	85	0.00
67	4-Bromophenyl-phenylether	40.000	40.542	-1.4	85	0.00
68	Hexachlorobenzene	40.000	39.979	0.1	85	0.00
69	Atrazine	40.000	46.846	-17.1	98	0.00
70 C	Pentachlorophenol	40.000	36.133	9.7	73	0.00
71	Phenanthrene	40.000	39.294	1.8	86	0.00
72	Anthracene	40.000	39.255	1.9	84	0.00
73	Carbazole	40.000	39.380	1.5	84	0.00
74	Di-n-butylphthalate	40.000	46.124	-15.3	95	0.00
75 C	Fluoranthene	40.000	38.372	4.1	83	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77	Benzydine	40.000	40.029	-0.1	84	0.00
78	Pyrene	40.000	36.801	8.0	82	0.00
79 S	Terphenyl-d14	80.000	76.374	4.5	86	0.00
80	Butylbenzylphthalate	40.000	43.176	-7.9	92	0.00
81	Benzo(a)anthracene	40.000	38.502	3.7	84	0.00
82	3,3'-Dichlorobenzidine	40.000	40.879	-2.2	90	0.00
83	Chrysene	40.000	39.654	0.9	92	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.447	-1.1	87	0.00
85 c	Di-n-octyl phthalate	40.000	39.064	2.3	85	0.00
86 I	Perylene-d12	20.000	20.000	0.0	91	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.259	4.4	87	-0.01
88	Benzo(b)fluoranthene	40.000	42.286	-5.7	100	0.00
89	Benzo(k)fluoranthene	40.000	36.812	8.0	83	-0.01
90 C	Benzo(a)pyrene	40.000	39.710	0.7	91	0.00
91	Dibenzo(a,h)anthracene	40.000	38.822	2.9	88	-0.02
92	Benzo(g,h,i)perylene	40.000	36.878	7.8	83	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/21/2025 19:32</u>
Lab File ID:	<u>BF143539.D</u>	Init. Calib. Date(s):	<u>08/20/2025 08/20/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>10:55 14:20</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.138		-0.6	50.0
Benzaldehyde	1.145	1.334		16.5	50.0
Phenol-d6	1.414	1.375		-2.8	50.0
Phenol	1.629	1.605		-1.5	50.0
bis(2-Chloroethyl)ether	1.217	1.180		-3.0	50.0
2-Chlorophenol	1.265	1.247		-1.4	50.0
2-Methylphenol	1.015	0.989		-2.6	50.0
2,2-oxybis(1-Chloropropane)	1.947	1.836		-5.7	50.0
Acetophenone	0.432	0.430		-0.5	50.0
3+4-Methylphenols	1.212	1.209		-0.2	50.0
n-Nitroso-di-n-propylamine	0.864	0.843	0.050	-2.4	50.0
Nitrobenzene-d5	0.343	0.348		1.5	50.0
Hexachloroethane	0.485	0.487		0.4	50.0
Nitrobenzene	0.353	0.363		2.8	50.0
Isophorone	0.628	0.636		1.3	50.0
2-Nitrophenol	0.173	0.179		3.5	50.0
2,4-Dimethylphenol	0.269	0.267		-0.7	50.0
bis(2-Chloroethoxy)methane	0.386	0.385		-0.3	50.0
2,4-Dichlorophenol	0.288	0.283		-1.7	50.0
Naphthalene	0.960	0.942		-1.9	50.0
4-Chloroaniline	0.341	0.329		-3.5	50.0
Hexachlorobutadiene	0.193	0.196		1.6	50.0
Caprolactam	0.069	0.076		10.1	50.0
4-Chloro-3-methylphenol	0.288	0.279		-3.1	50.0
2-Methylnaphthalene	0.641	0.620		-3.3	50.0
Hexachlorocyclopentadiene	0.184	0.203	0.050	10.3	50.0
2,4,6-Trichlorophenol	0.352	0.369		4.8	50.0
2-Fluorobiphenyl	1.210	1.266		4.6	50.0
2,4,5-Trichlorophenol	0.385	0.387		0.5	50.0
1,1-Biphenyl	1.420	1.484		4.5	50.0
2-Chloronaphthalene	1.114	1.142		2.5	50.0
2-Nitroaniline	0.326	0.339		4.0	50.0
Dimethylphthalate	1.205	1.333		10.6	50.0
Acenaphthylene	1.595	1.612		1.1	50.0
2,6-Dinitrotoluene	0.250	0.267		6.8	50.0
3-Nitroaniline	0.270	0.274		1.5	50.0
Acenaphthene	1.083	1.076		-0.6	50.0
2,4-Dinitrophenol	0.115	0.095	0.050	-17.4	50.0
4-Nitrophenol	0.161	0.175	0.050	8.7	50.0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_F Calibration Date/Time: 08/21/2025 19:32
 Lab File ID: BF143539.D Init. Calib. Date(s): 08/20/2025 08/20/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:55 14:20
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.507		-2.4	50.0
2,4-Dinitrotoluene	0.333	0.340		2.1	50.0
Diethylphthalate	1.080	1.180		9.3	50.0
4-Chlorophenyl-phenylether	0.594	0.588		-1.0	50.0
Fluorene	1.188	1.140		-4.0	50.0
4-Nitroaniline	0.248	0.244		-1.6	50.0
4,6-Dinitro-2-methylphenol	0.113	0.091		-19.5	50.0
n-Nitrosodiphenylamine	0.644	0.713		10.7	50.0
2,4,6-Tribromophenol	0.186	0.167		-10.2	50.0
4-Bromophenyl-phenylether	0.239	0.259		8.4	50.0
Hexachlorobenzene	0.257	0.263		2.3	50.0
Atrazine	0.166	0.212		27.7	50.0
Pentachlorophenol	0.118	0.244		106.8	50.0
Phenanthrene	1.071	1.070		-0.1	50.0
Anthracene	1.085	1.084		-0.1	50.0
Carbazole	0.889	0.901		1.4	50.0
Di-n-butylphthalate	0.829	1.069		29.0	50.0
Fluoranthene	0.961	0.984		2.4	50.0
Pyrene	1.645	1.215		-26.1	50.0
Terphenyl-d14	1.146	0.889		-22.4	50.0
Butylbenzylphthalate	0.449	0.495		10.2	50.0
3,3-Dichlorobenzidine	0.369	0.389		5.4	50.0
Benzo (a) anthracene	1.288	1.260		-2.2	50.0
Chrysene	1.157	1.191		2.9	50.0
Bis (2-ethylhexyl) phthalate	0.685	0.737		7.6	50.0
Di-n-octyl phthalate	1.268	1.337		5.4	50.0
Benzo (b) fluoranthene	1.112	1.179		6.0	50.0
Benzo (k) fluoranthene	1.064	1.106		3.9	50.0
Benzo (a) pyrene	1.032	1.041		0.9	50.0
Indeno (1,2,3-cd) pyrene	1.437	1.011		-29.6	50.0
Dibenzo (a,h) anthracene	1.151	0.836		-27.4	50.0
Benzo (g,h,i) perylene	1.145	0.732		-36.1	50.0
1,2,4,5-Tetrachlorobenzene	0.572	0.595		4.0	50.0
1,4-Dioxane	0.531	0.518		-2.4	50.0
2,3,4,6-Tetrachlorophenol	0.286	0.270		-5.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143539.D
 Acq On : 21 Aug 2025 19:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 22 01:02:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	110484	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	402251	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	197751	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	266164	20.000	ng	0.00
76) Chrysene-d12	14.098	240	224613	20.000	ng	0.00
86) Perylene-d12	15.592	264	256535	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	502829	79.470	ng	0.00
7) Phenol-d6	6.563	99	607545	77.784	ng	-0.01
23) Nitrobenzene-d5	7.487	82	560673	81.337	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	131942	71.678	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1001186	83.673	ng	0.00
79) Terphenyl-d14	13.033	244	798863	62.064	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.734	88	114523	39.072	ng	99
3) Pyridine	3.510	79	304538	39.009	ng	99
4) n-Nitrosodimethylamine	3.457	42	139889	39.860	ng	97
6) Aniline	6.587	93	401267	38.435	ng	# 84
8) 2-Chlorophenol	6.716	128	275473	39.418	ng	100
9) Benzaldehyde	6.481	77	294783	46.616	ng	100
10) Phenol	6.575	94	354741	39.425	ng	92
11) bis(2-Chloroethyl)ether	6.657	93	260716	38.774	ng	100
12) 1,3-Dichlorobenzene	6.869	146	305256	38.875	ng	99
13) 1,4-Dichlorobenzene	6.945	146	310463	39.416	ng	99
14) 1,2-Dichlorobenzene	7.098	146	290881	39.005	ng	100
15) Benzyl Alcohol	7.069	79	233545	39.937	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.193	45	405626	37.707	ng	85
17) 2-Methylphenol	7.181	107	218625	38.978	ng	96
18) Hexachloroethane	7.440	117	107596	40.177	ng	98
19) n-Nitroso-di-n-propyla...	7.340	70	186353	39.035	ng	99
20) 3+4-Methylphenols	7.334	107	267236	39.911	ng	98
22) Acetophenone	7.334	105	346144	39.831	ng	99
24) Nitrobenzene	7.510	77	292216	41.188	ng	99
25) Isophorone	7.745	82	511518	40.481	ng	100
26) 2-Nitrophenol	7.822	139	144354	41.538	ng	96
27) 2,4-Dimethylphenol	7.863	122	214593	39.611	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	309875	39.904	ng	100
29) 2,4-Dichlorophenol	8.069	162	227965	39.400	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	235019	39.508	ng	100
31) Naphthalene	8.234	128	758151	39.258	ng	100
32) Benzoic acid	7.975	122	95321	32.943	ng	98
33) 4-Chloroaniline	8.275	127	264368	38.570	ng	99
34) Hexachlorobutadiene	8.351	225	157980	40.705	ng	100
35) Caprolactam	8.639	113	60796	43.789	ng	96
36) 4-Chloro-3-methylphenol	8.763	107	224793	38.769	ng	100
37) 2-Methylnaphthalene	8.922	142	498908	38.680	ng	98
38) 1-Methylnaphthalene	9.022	142	468992	38.013	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	235213	41.583	ng	99
41) Hexachlorocyclopentadiene	9.081	237	80228	40.008	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	146031	41.956	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143539.D
 Acq On : 21 Aug 2025 19:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

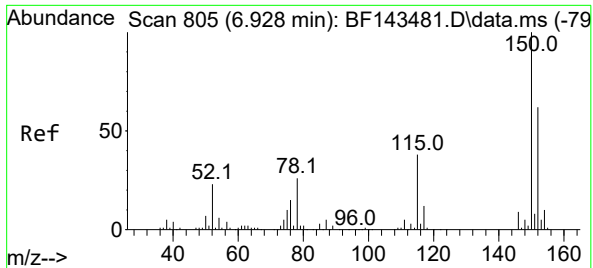
Quant Time: Aug 22 01:02:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	152926	40.224	ng	99
46) 1,1'-Biphenyl	9.386	154	586854	41.811	ng	99
47) 2-Chloronaphthalene	9.410	162	451645	41.011	ng	99
48) 2-Nitroaniline	9.504	65	134022	41.582	ng	96
49) Acenaphthylene	9.828	152	637603	40.434	ng	100
50) Dimethylphthalate	9.675	163	527145	44.261	ng	100
51) 2,6-Dinitrotoluene	9.739	165	105458	42.723	ng	96
52) Acenaphthene	9.998	154	425489	39.741	ng	99
53) 3-Nitroaniline	9.916	138	108314	40.609	ng	100
54) 2,4-Dinitrophenol	10.022	184	37584	31.881	ng	92
55) Dibenzofuran	10.169	168	596110	39.052	ng	98
56) 4-Nitrophenol	10.081	139	69103	43.542	ng	96
57) 2,4-Dinitrotoluene	10.145	165	134631	40.847	ng	97
58) Fluorene	10.516	166	450707	38.364	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	106720	37.783	ng	99
60) Diethylphthalate	10.381	149	466799	43.716	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	232448	39.562	ng	99
62) 4-Nitroaniline	10.528	138	96697	39.469	ng	97
63) Azobenzene	10.663	77	431460	38.969	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	48200	32.117	ng	96
66) n-Nitrosodiphenylamine	10.622	169	379520	44.307	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	137974	43.446	ng	97
68) Hexachlorobenzene	11.069	284	139989	40.894	ng	98
69) Atrazine	11.145	200	112914	51.067	ng	99
70) Pentachlorophenol	11.263	266	129625	82.680	ng	99
71) Phenanthrene	11.475	178	569767	39.974	ng	100
72) Anthracene	11.528	178	576813	39.947	ng	100
73) Carbazole	11.680	167	479540	40.531	ng	100
74) Di-n-butylphthalate	12.004	149	568861	51.539	ng	99
75) Fluoranthene	12.669	202	523856	40.959	ng	99
77) Benzidine	12.786	184	195722	35.773	ng	100
78) Pyrene	12.898	202	545878	29.545	ng	99
80) Butylbenzylphthalate	13.504	149	222304	44.044	ng	97
81) Benzo(a)anthracene	14.086	228	565876	39.132	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	174738	42.194	ng	98
83) Chrysene	14.121	228	534990	41.167	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	330969	43.053	ng	100
85) Di-n-octyl phthalate	14.680	149	600507	42.167	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	518934	28.150	ng	99
88) Benzo(b)fluoranthene	15.157	252	605018	42.428	ng	100
89) Benzo(k)fluoranthene	15.186	252	567409	41.559	ng	100
90) Benzo(a)pyrene	15.533	252	534103	40.352	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	429182	29.070	ng	99
92) Benzo(g,h,i)perylene	17.580	276	375504	25.578	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

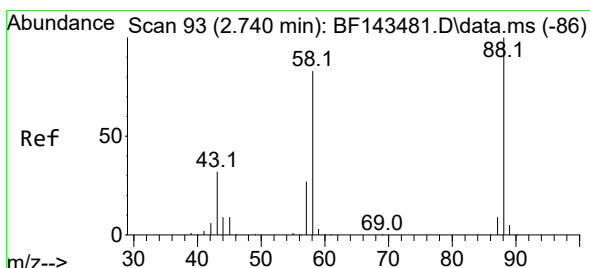
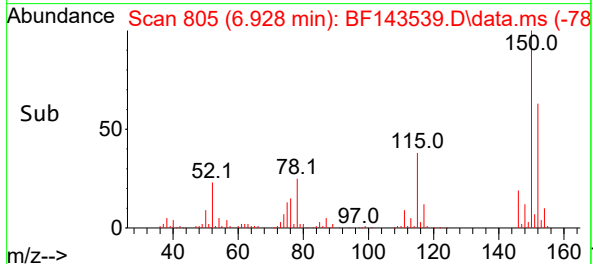
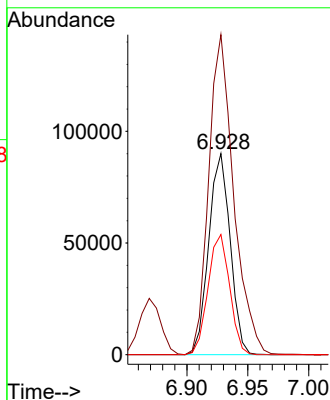
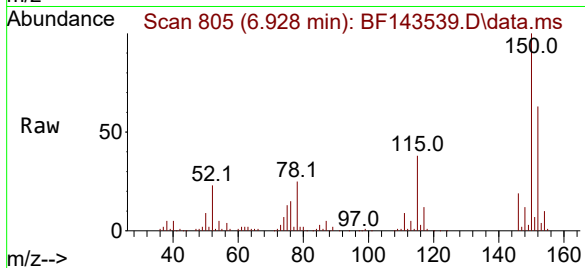
- 1
- 2
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- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

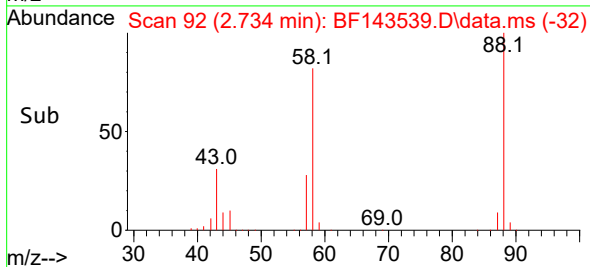
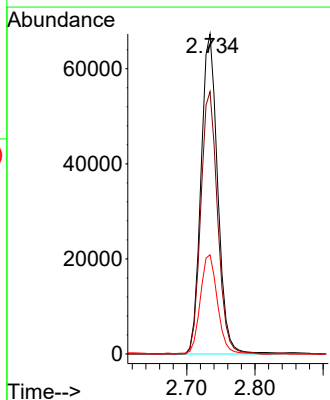
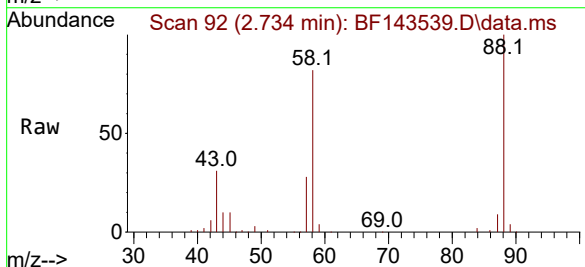
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

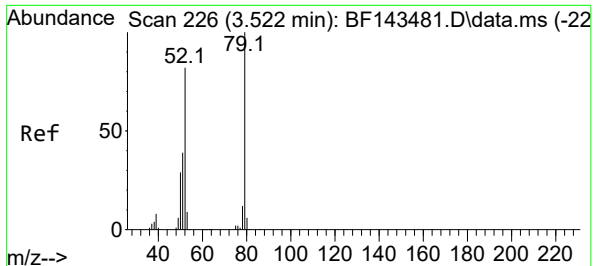
Tgt Ion:152 Resp: 110484
Ion Ratio Lower Upper
152 100
150 159.1 128.9 193.3
115 59.8 49.2 73.8



#2
1,4-Dioxane
Concen: 39.072 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 88 Resp: 114523
Ion Ratio Lower Upper
88 100
58 82.3 66.7 100.1
43 31.8 25.8 38.8





#3

Pyridine

Concen: 39.009 ng

RT: 3.510 min Scan# 215

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

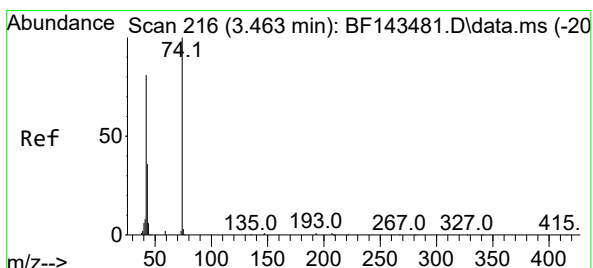
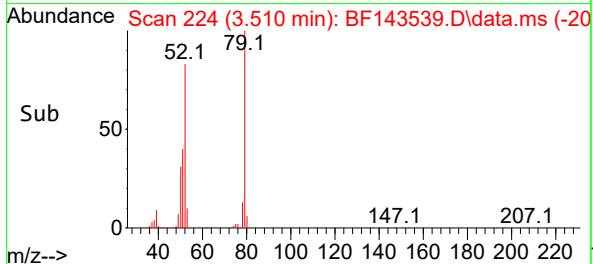
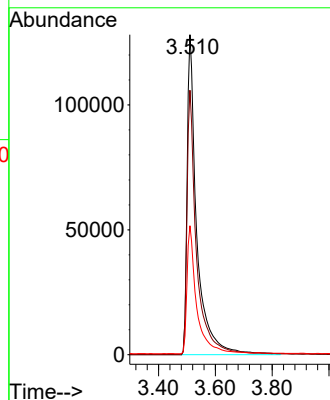
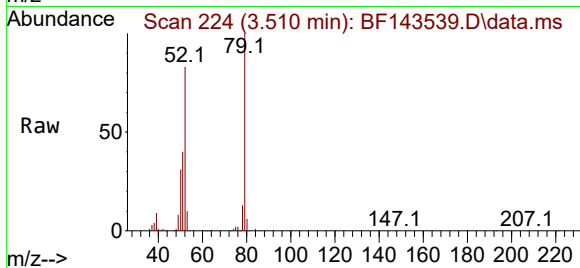
BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 79 Resp: 304538

Ion	Ratio	Lower	Upper
79	100		
52	82.7	65.6	98.4
51	40.3	31.2	46.8



#4

n-Nitrosodimethylamine

Concen: 39.860 ng

RT: 3.457 min Scan# 215

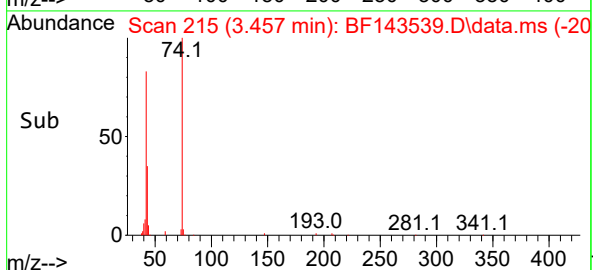
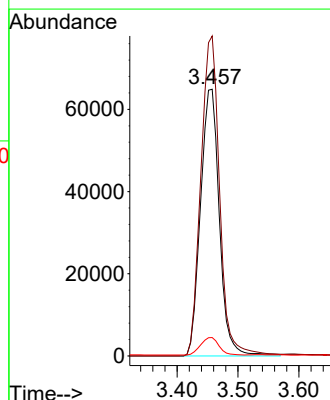
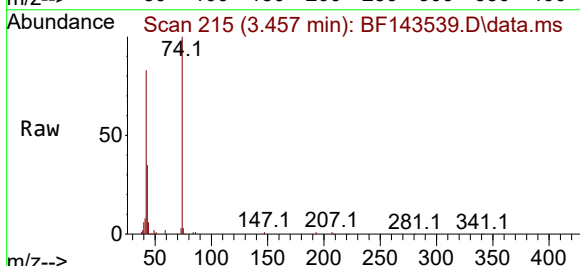
Delta R.T. -0.018 min

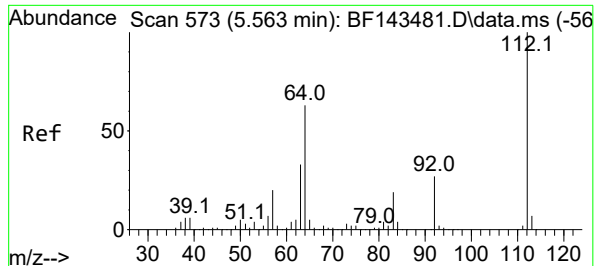
Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Tgt Ion: 42 Resp: 139889

Ion	Ratio	Lower	Upper
42	100		
74	120.0	98.6	148.0
44	6.9	5.8	8.8

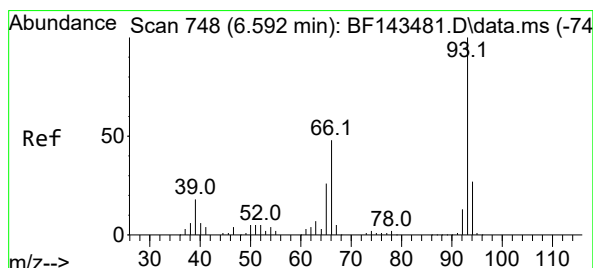
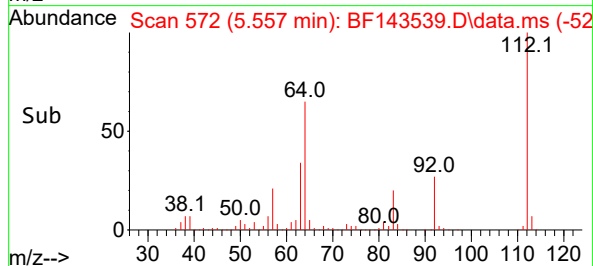
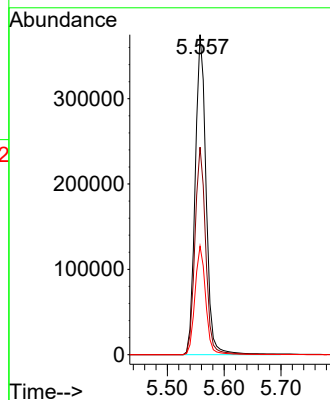
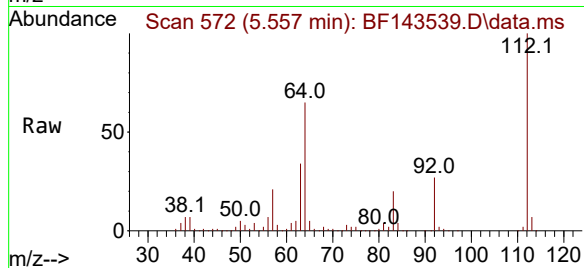




#5
2-Fluorophenol
Concen: 79.470 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

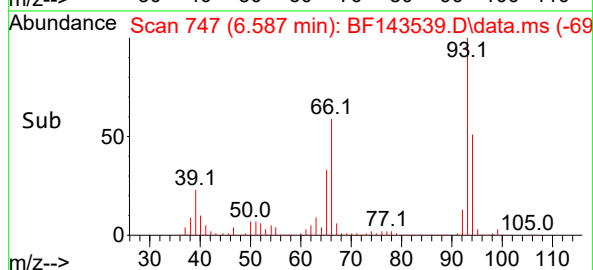
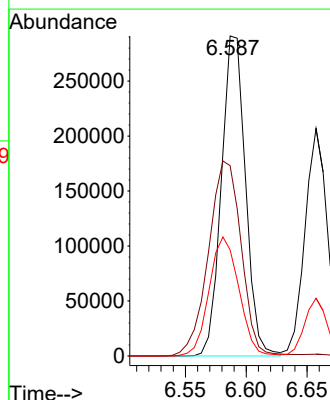
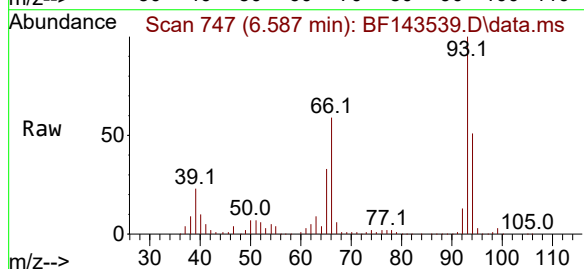
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

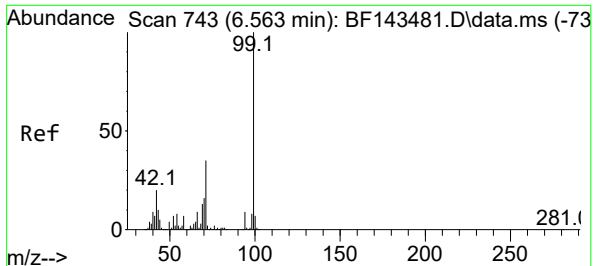
Tgt Ion:112 Resp: 502829
Ion Ratio Lower Upper
112 100
64 64.8 50.4 75.6
63 33.9 26.4 39.6



#6
Aniline
Concen: 38.435 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 93 Resp: 401267
Ion Ratio Lower Upper
93 100
66 59.5 38.9 58.3#
65 33.1 20.6 30.8#

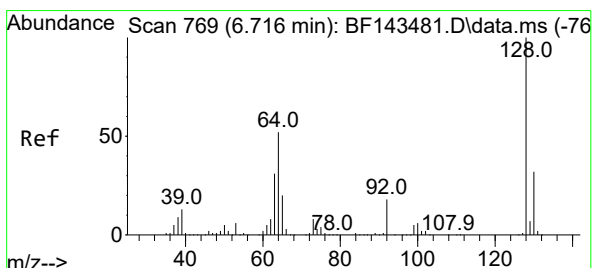
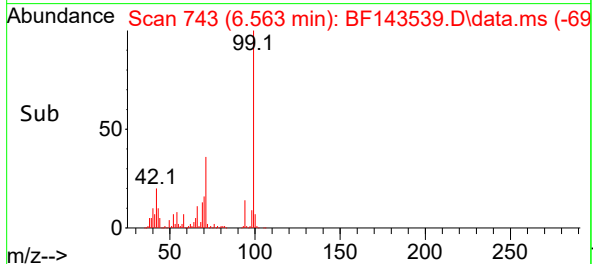
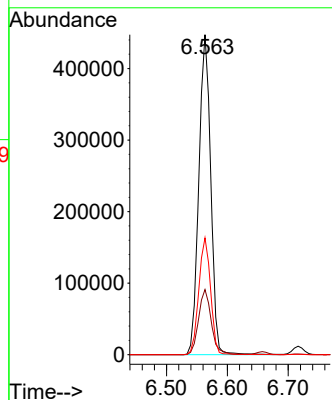
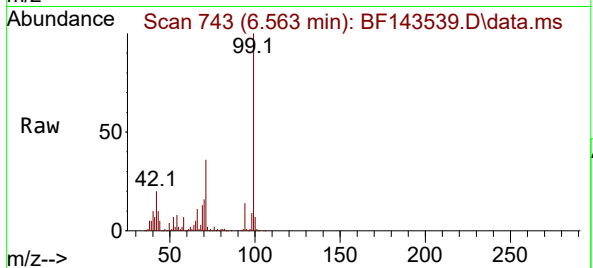




#7
Phenol-d6
Concen: 77.784 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

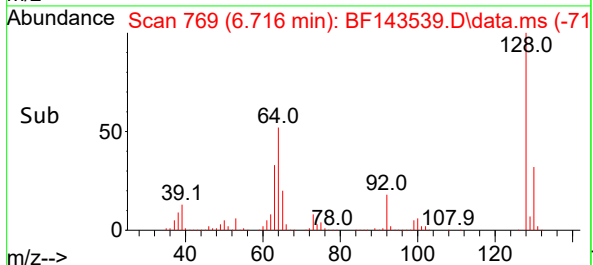
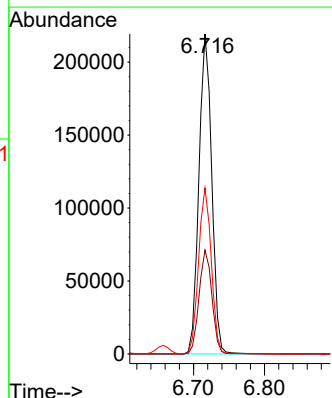
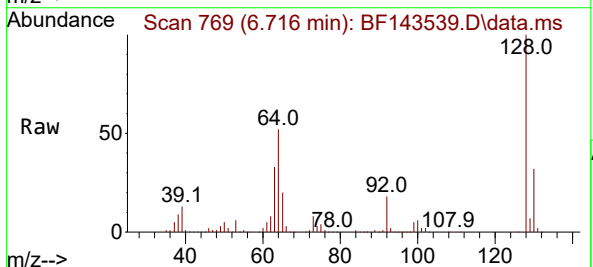
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

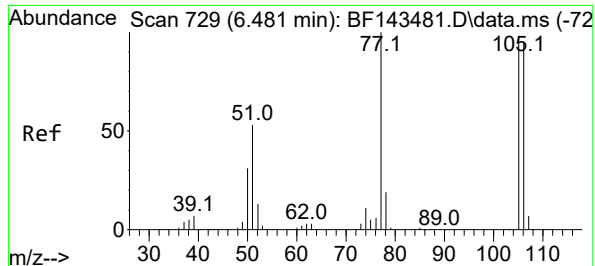
Tgt Ion: 99 Resp: 607545
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 36.5 28.2 42.2



#8
2-Chlorophenol
Concen: 39.418 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 128 Resp: 275473
Ion Ratio Lower Upper
128 100
130 32.5 12.4 52.4
64 51.9 31.6 71.6





#9

Benzaldehyde

Concen: 46.616 ng

RT: 6.481 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

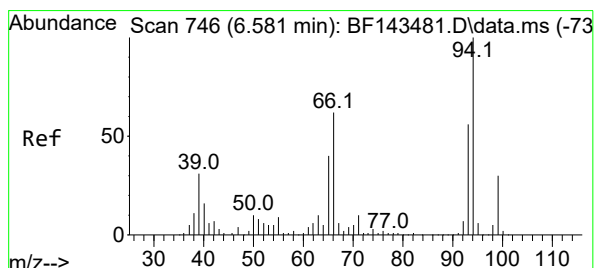
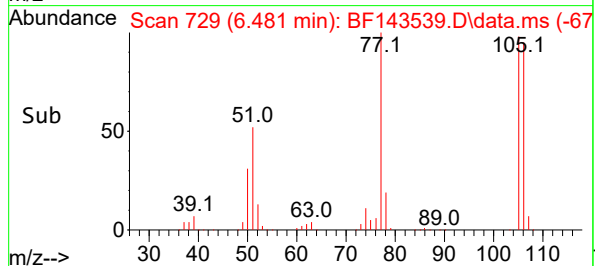
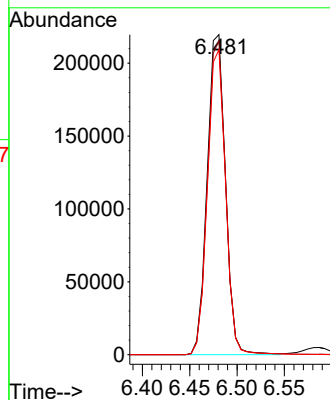
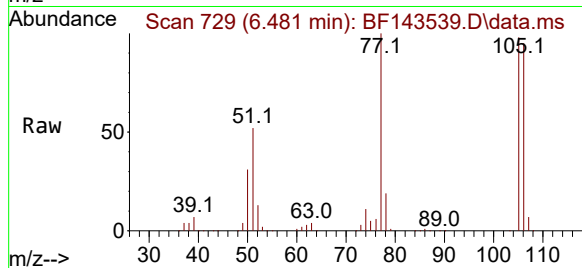
Tgt Ion: 77 Resp: 294783

Ion Ratio Lower Upper

77 100

105 98.0 78.1 118.1

106 95.3 74.9 114.9



#10

Phenol

Concen: 39.425 ng

RT: 6.575 min Scan# 745

Delta R.T. -0.012 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

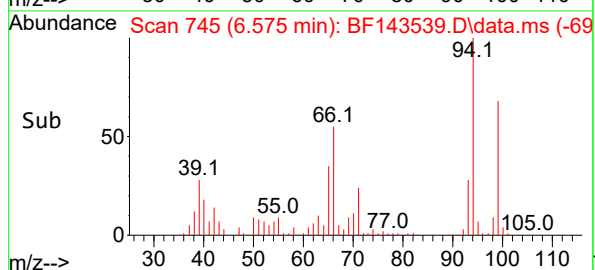
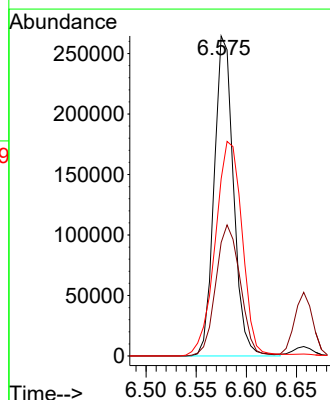
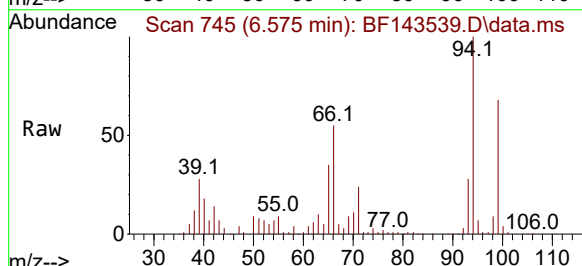
Tgt Ion: 94 Resp: 354741

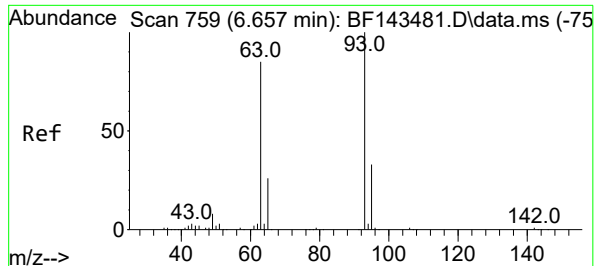
Ion Ratio Lower Upper

94 100

65 35.4 19.5 59.5

66 55.3 42.5 82.5





#11

bis(2-Chloroethyl)ether

Concen: 38.774 ng

RT: 6.657 min Scan# 759

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

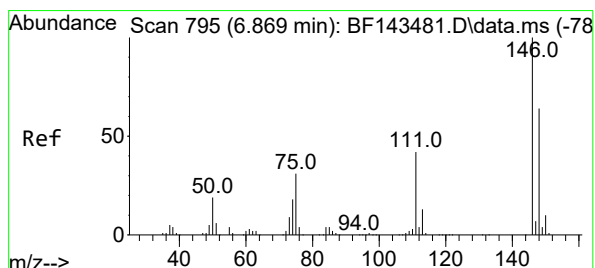
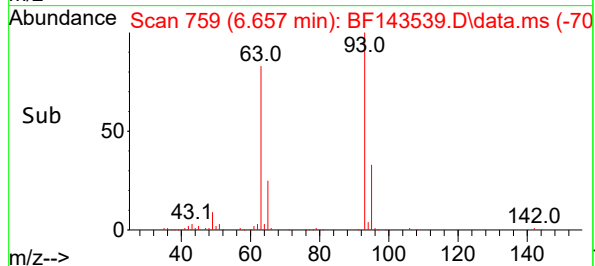
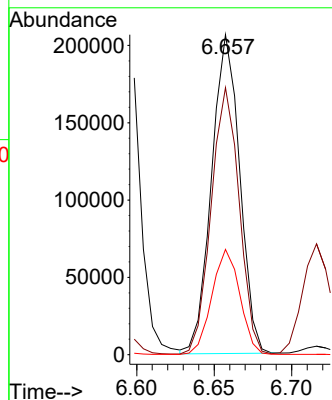
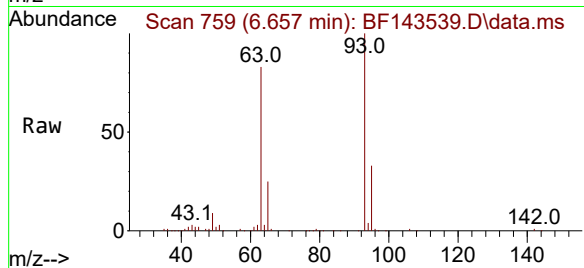
Tgt Ion: 93 Resp: 260716

Ion Ratio Lower Upper

93 100

63 83.5 63.6 103.6

95 32.9 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 38.875 ng

RT: 6.869 min Scan# 795

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

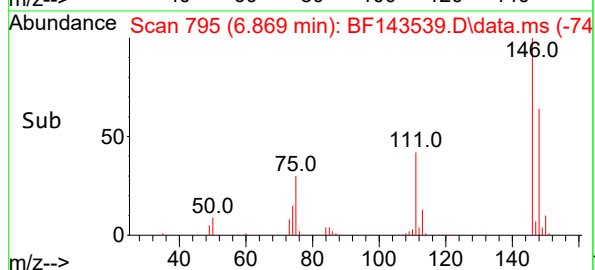
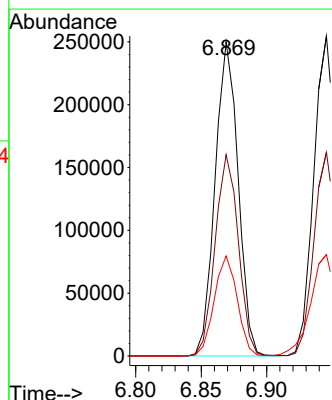
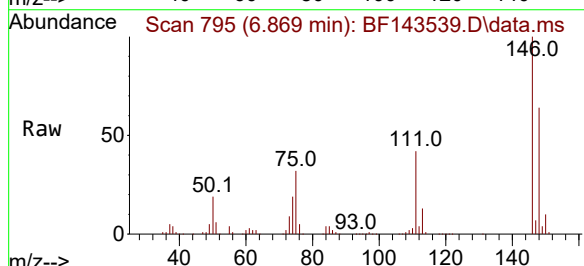
Tgt Ion: 146 Resp: 305256

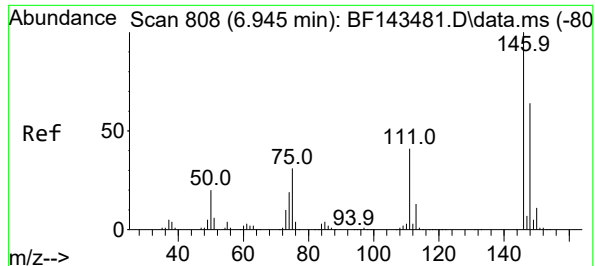
Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

75 31.9 24.7 37.1





#13

1,4-Dichlorobenzene

Concen: 39.416 ng

RT: 6.945 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

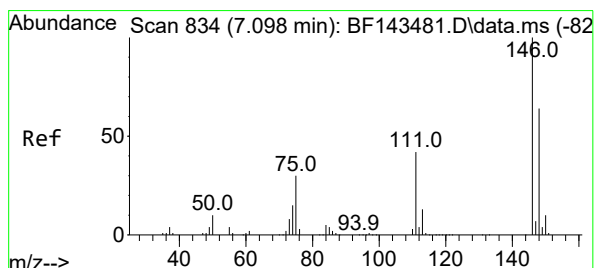
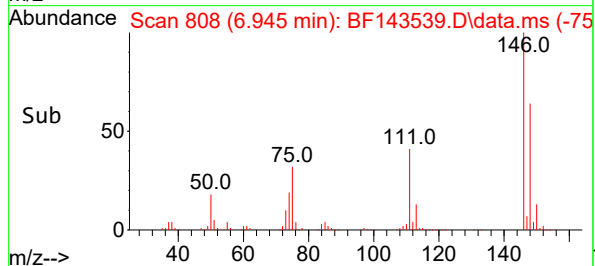
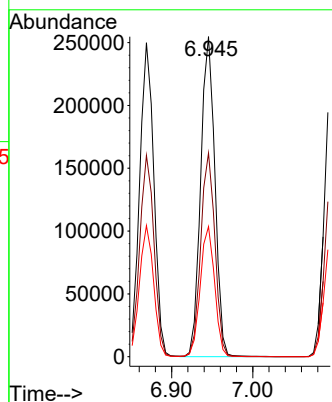
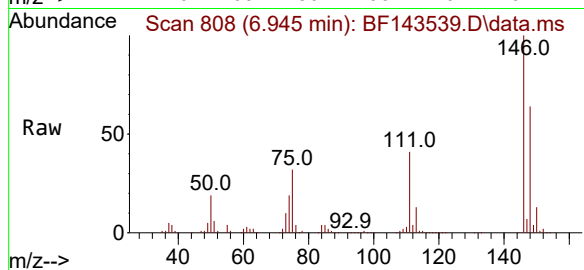
Tgt Ion:146 Resp: 310463

Ion Ratio Lower Upper

146 100

148 63.7 51.5 77.3

111 40.7 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 39.005 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

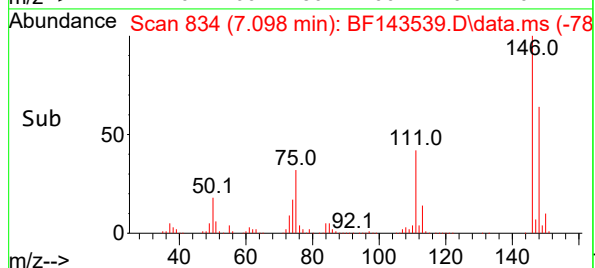
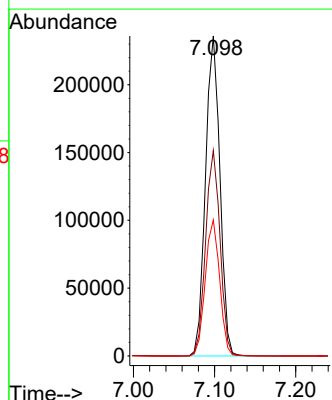
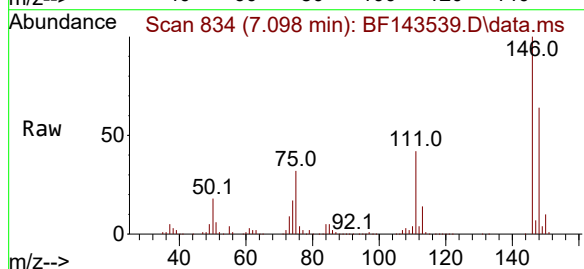
Tgt Ion:146 Resp: 290881

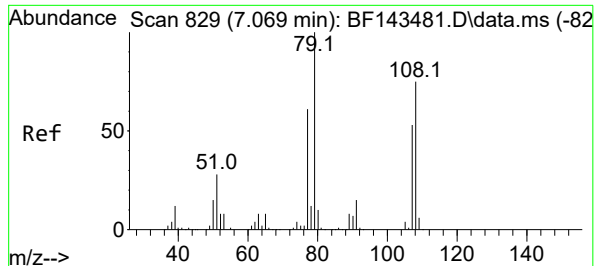
Ion Ratio Lower Upper

146 100

148 64.2 51.0 76.6

111 42.5 34.0 51.0





#15

Benzyl Alcohol

Concen: 39.937 ng

RT: 7.069 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

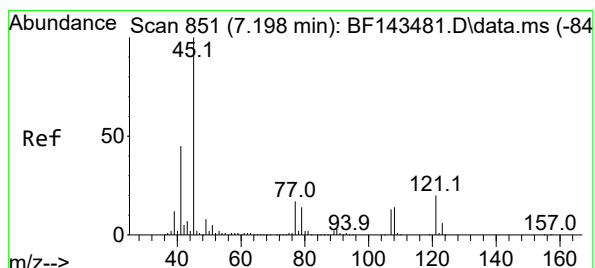
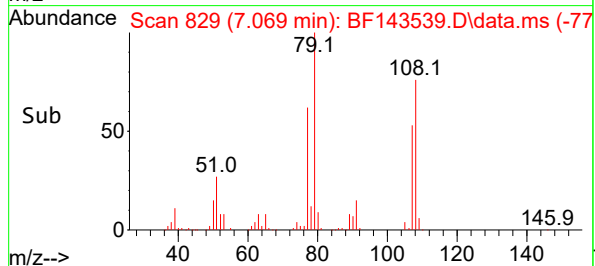
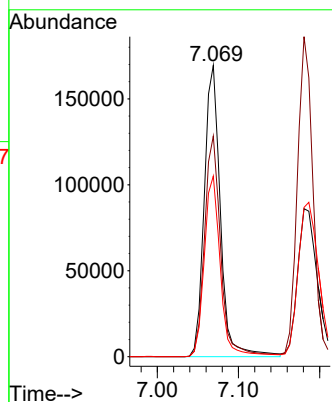
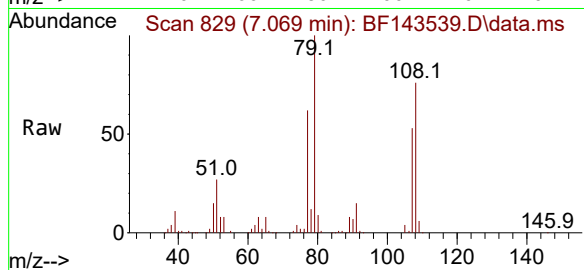
Tgt Ion: 79 Resp: 233545

Ion Ratio Lower Upper

79 100

108 75.7 59.8 89.6

77 62.0 49.0 73.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.707 ng

RT: 7.193 min Scan# 850

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

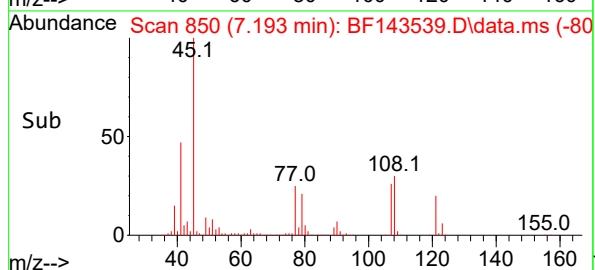
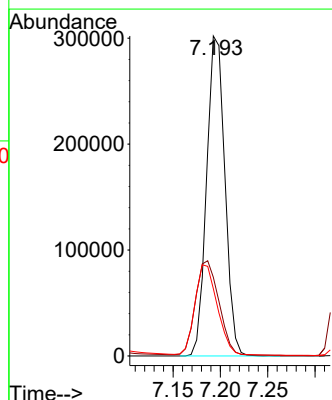
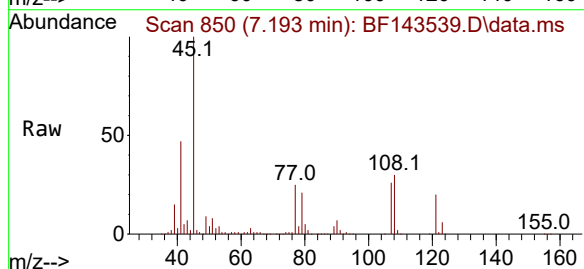
Tgt Ion: 45 Resp: 405626

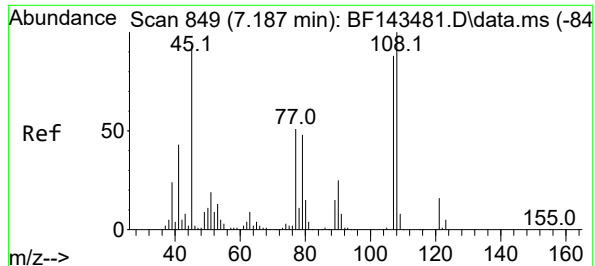
Ion Ratio Lower Upper

45 100

77 24.6 0.0 37.9

79 21.0 0.0 34.7

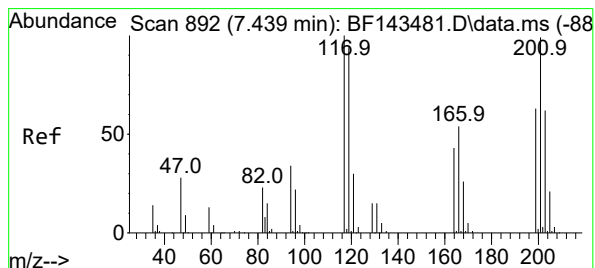
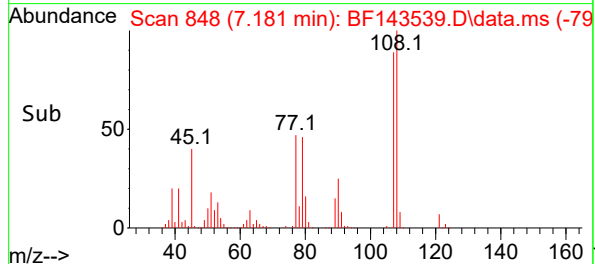
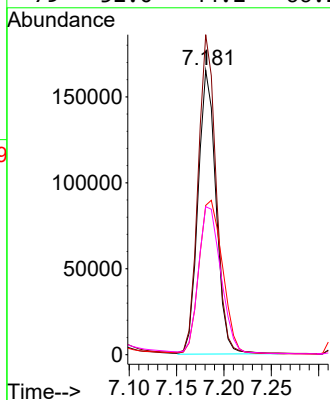
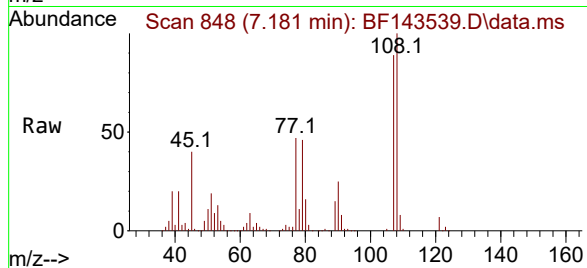




#17
2-Methylphenol
Concen: 38.978 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

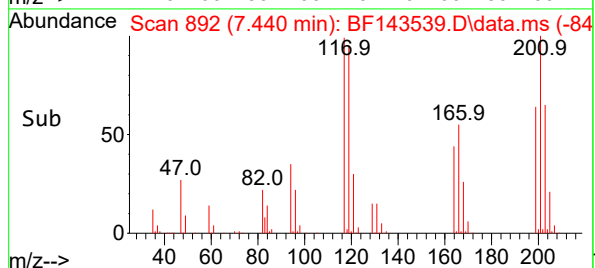
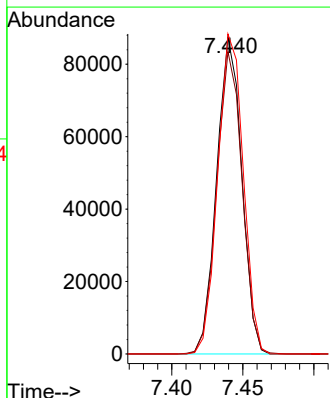
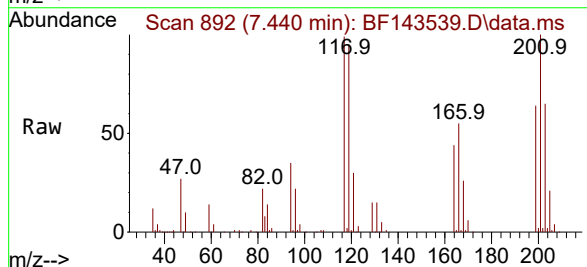
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

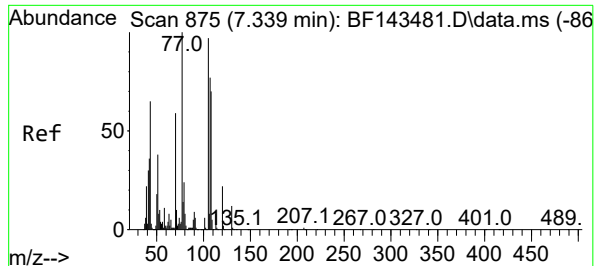
Tgt Ion:	107	Resp:	218625
Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.1	136.7
77	52.5	46.2	69.4
79	52.0	44.2	66.2



#18
Hexachloroethane
Concen: 40.177 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:	117	Resp:	107596
Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.4	113.0
201	101.0	79.0	118.4





#19

n-Nitroso-di-n-propylamine

Concen: 39.035 ng

RT: 7.340 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 70 Resp: 186353

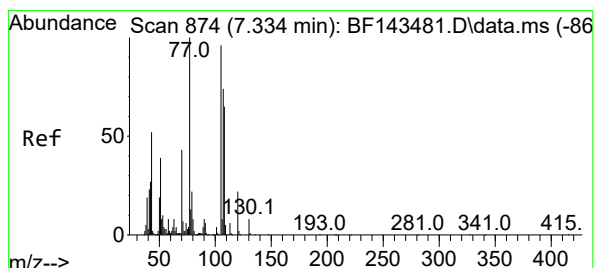
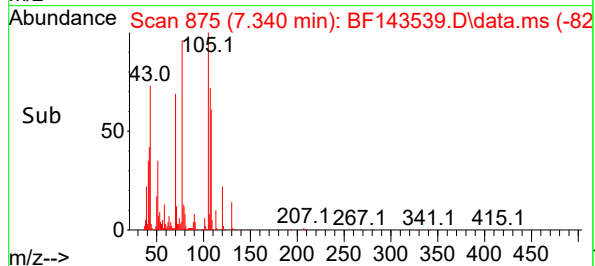
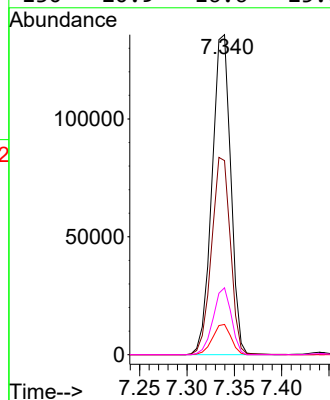
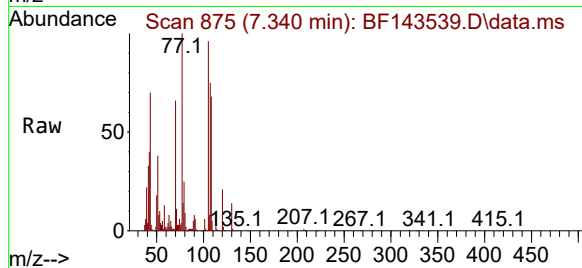
Ion Ratio Lower Upper

70 100

42 60.6 49.3 73.9

101 9.5 7.8 11.8

130 20.9 16.6 25.0



#20

3+4-Methylphenols

Concen: 39.911 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Tgt Ion: 107 Resp: 267236

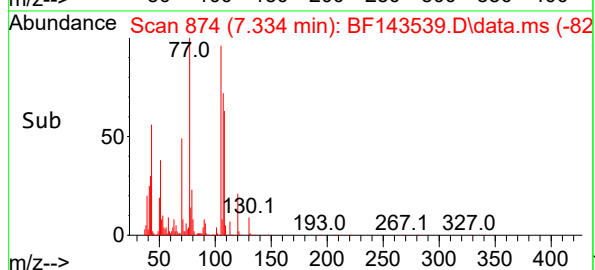
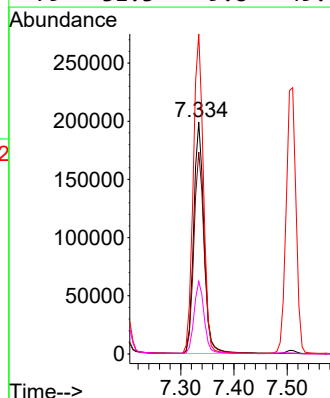
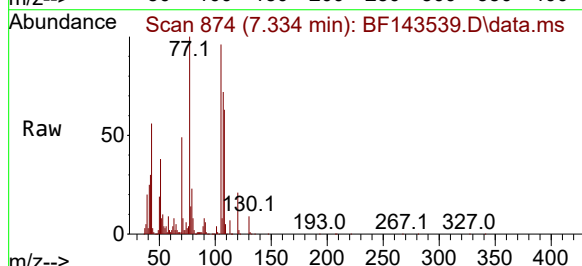
Ion Ratio Lower Upper

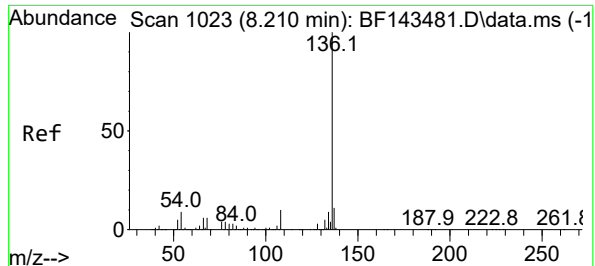
107 100

108 87.1 68.4 108.4

77 138.1 116.1 156.1

79 31.3 9.8 49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:136 Resp: 402251

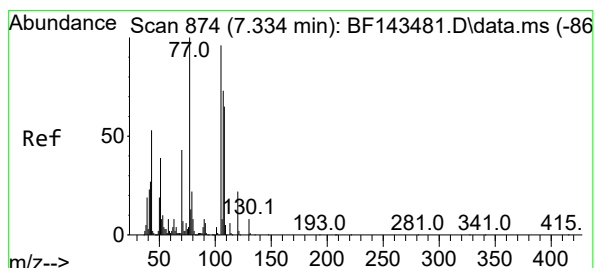
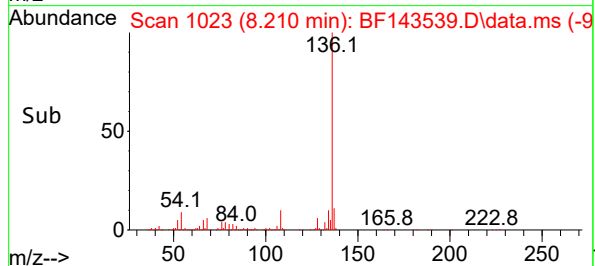
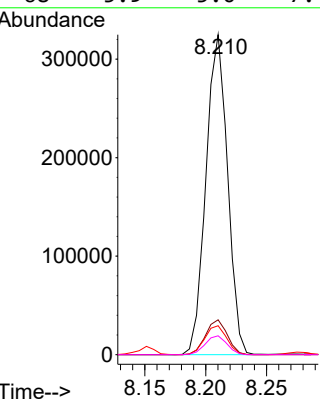
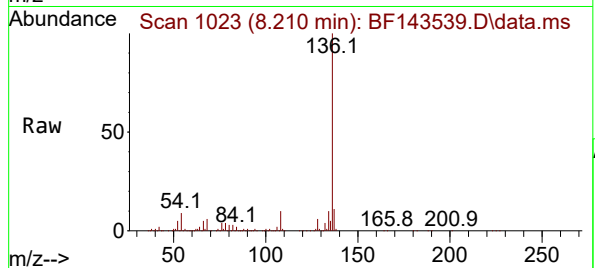
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 9.1 7.4 11.2

68 5.9 5.0 7.4



#22

Acetophenone

Concen: 39.831 ng

RT: 7.334 min Scan# 874

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Tgt Ion:105 Resp: 346144

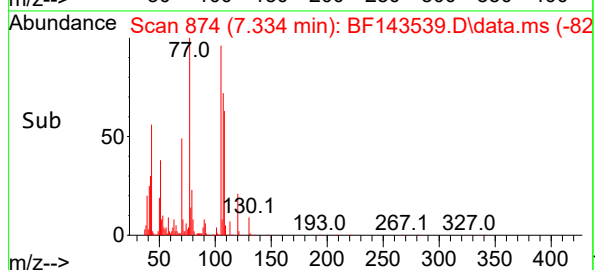
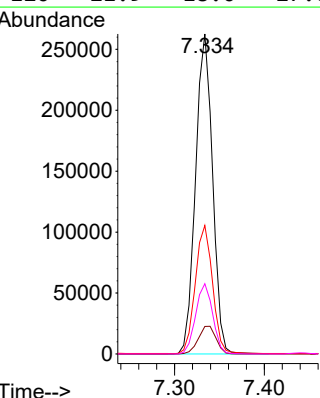
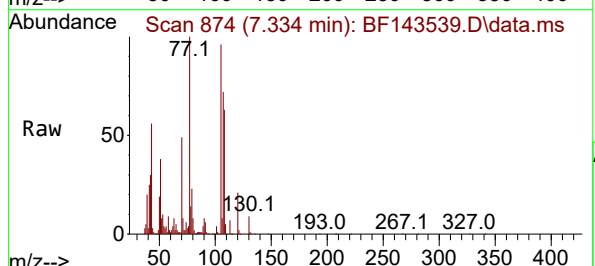
Ion Ratio Lower Upper

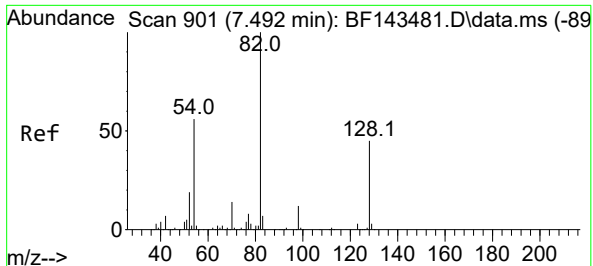
105 100

71 8.6 5.9 8.9

51 40.1 32.5 48.7

120 21.9 18.0 27.0





#23

Nitrobenzene-d5

Concen: 81.337 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

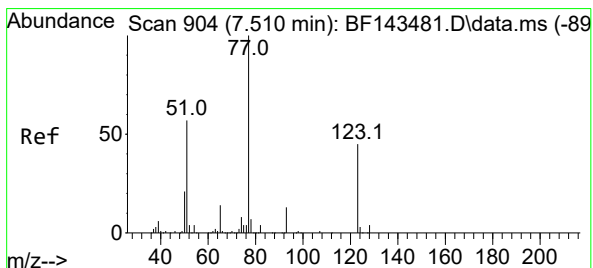
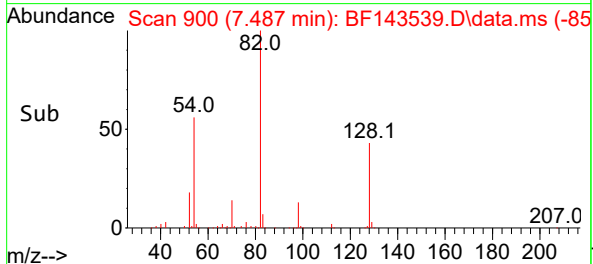
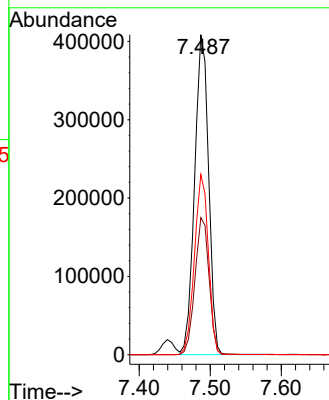
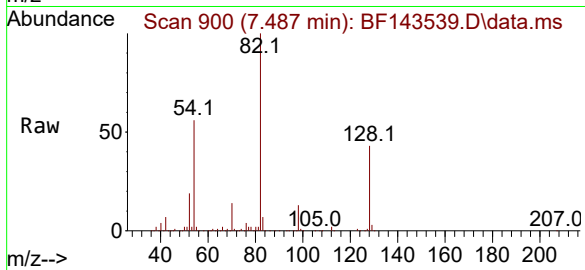
Tgt Ion: 82 Resp: 560673

Ion Ratio Lower Upper

82 100

128 42.8 35.5 53.3

54 56.3 44.3 66.5



#24

Nitrobenzene

Concen: 41.188 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

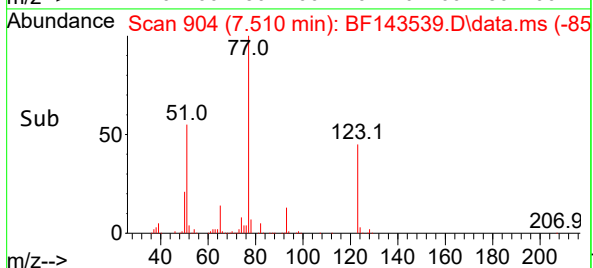
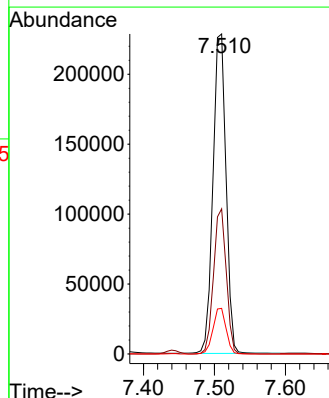
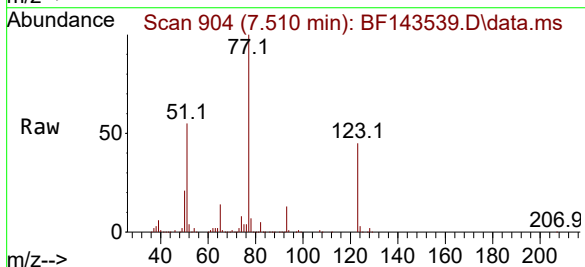
Tgt Ion: 77 Resp: 292216

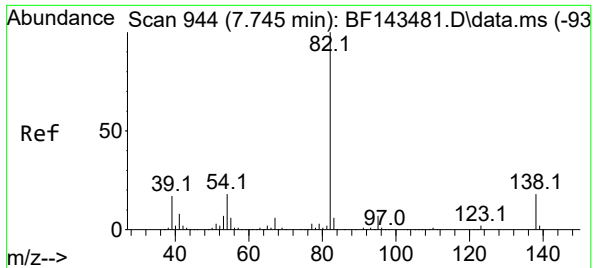
Ion Ratio Lower Upper

77 100

123 45.3 36.1 54.1

65 14.2 11.0 16.6

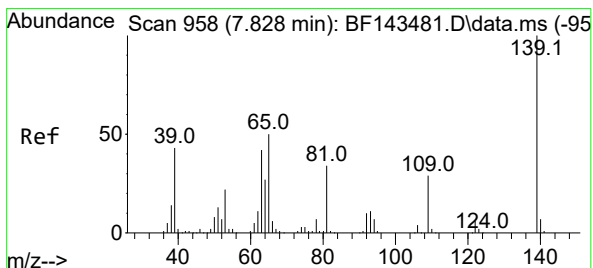
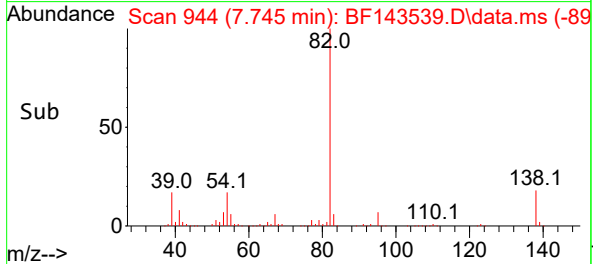
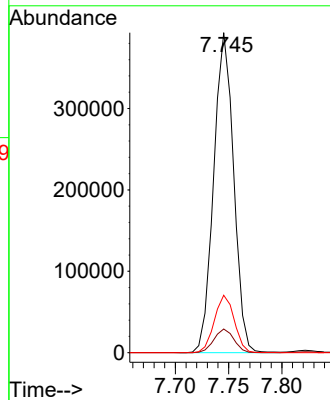
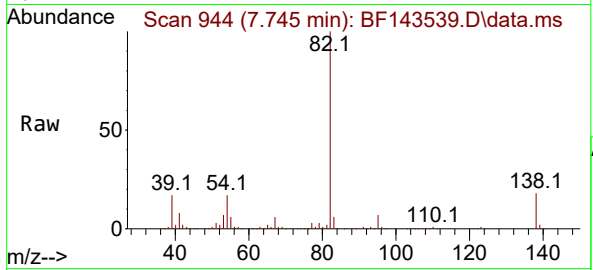




#25
Isophorone
Concen: 40.481 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

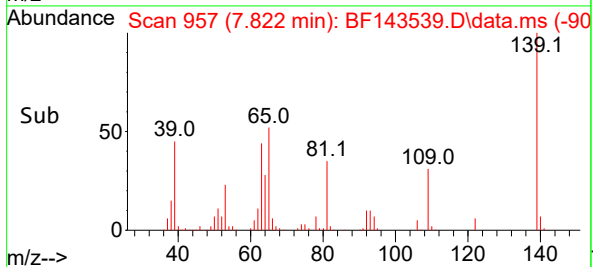
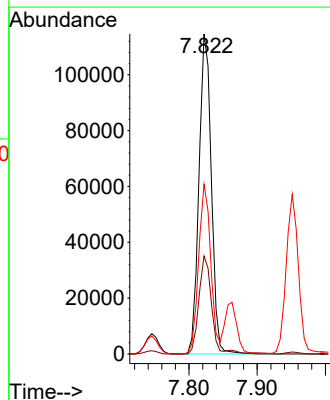
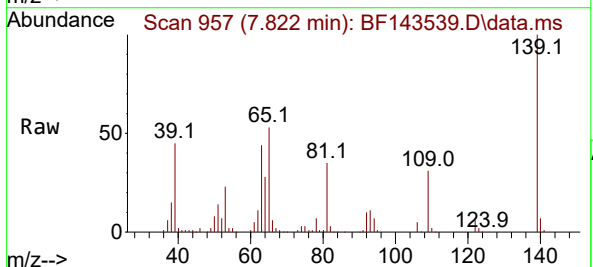
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

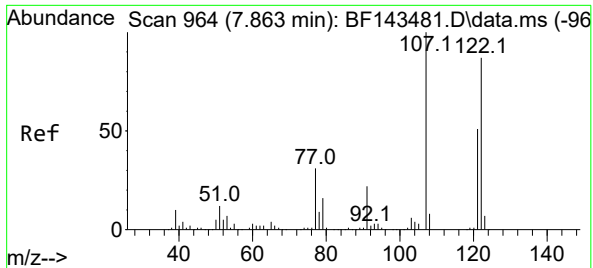
Tgt Ion: 82 Resp: 511518
Ion Ratio Lower Upper
82 100
95 7.4 5.8 8.8
138 18.0 14.2 21.4



#26
2-Nitrophenol
Concen: 41.538 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 139 Resp: 144354
Ion Ratio Lower Upper
139 100
109 30.6 23.0 34.6
65 53.0 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 39.611 ng

RT: 7.863 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

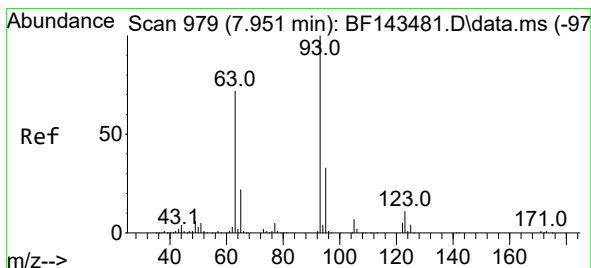
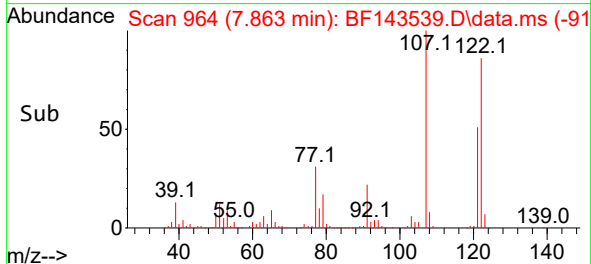
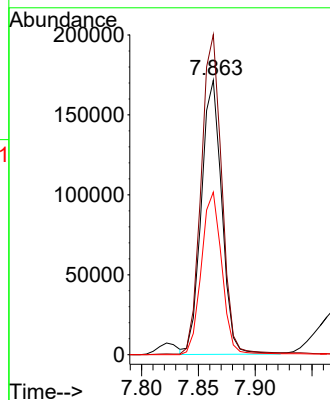
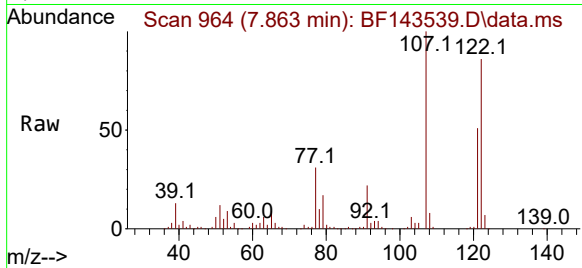
Tgt Ion:122 Resp: 214593

Ion Ratio Lower Upper

122 100

107 116.6 91.5 137.3

121 59.3 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.904 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

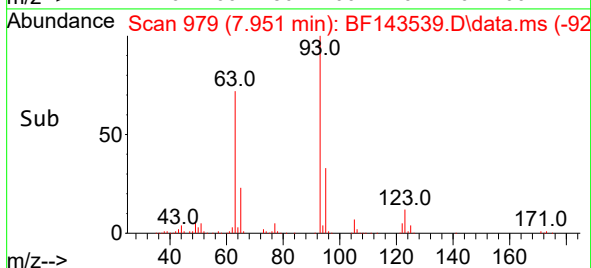
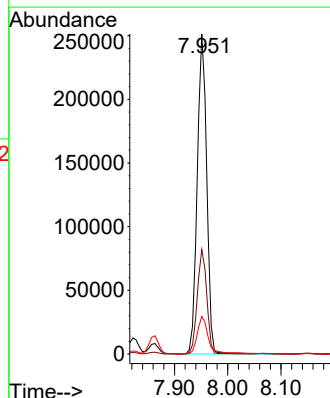
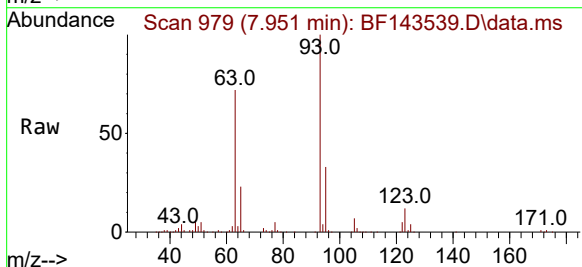
Tgt Ion: 93 Resp: 309875

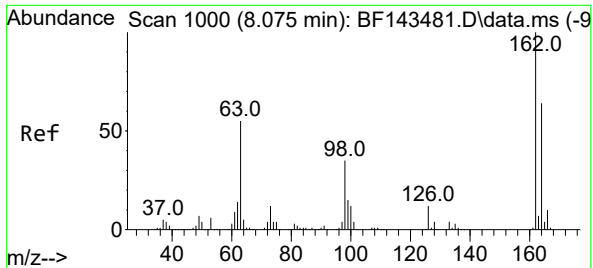
Ion Ratio Lower Upper

93 100

95 32.6 26.0 39.0

123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 39.400 ng

RT: 8.069 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

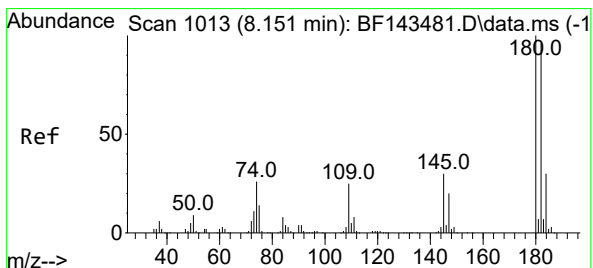
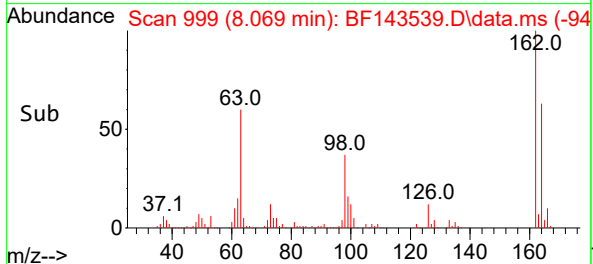
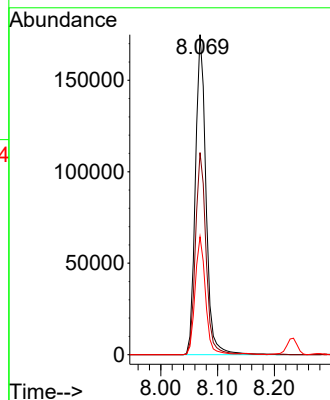
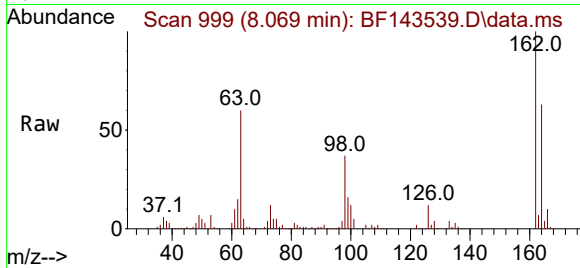
Tgt Ion:162 Resp: 227965

Ion Ratio Lower Upper

162 100

164 63.1 43.5 83.5

98 36.9 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 39.508 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

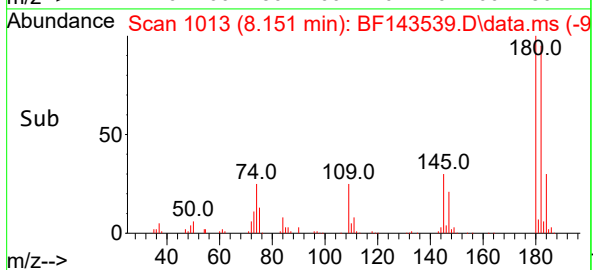
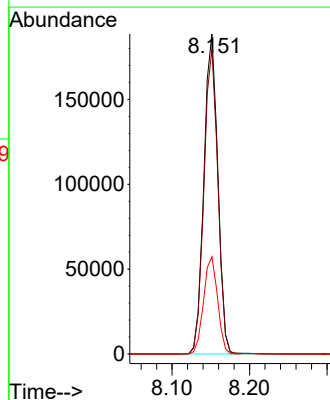
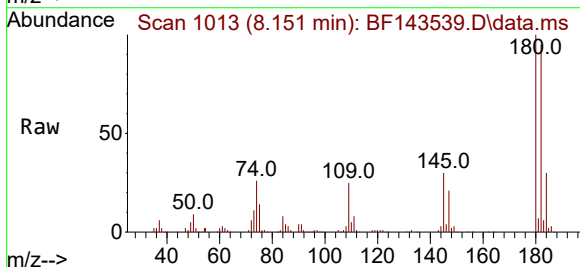
Tgt Ion:180 Resp: 235019

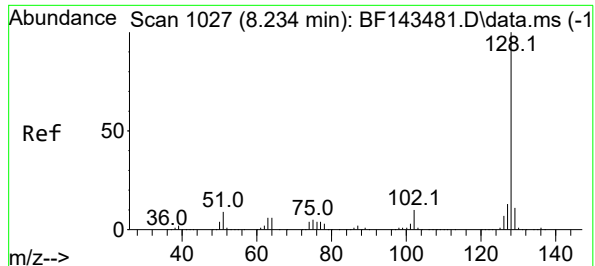
Ion Ratio Lower Upper

180 100

182 95.3 76.6 114.8

145 30.4 24.3 36.5





#31

Naphthalene

Concen: 39.258 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

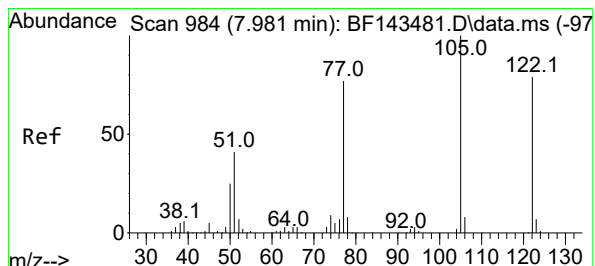
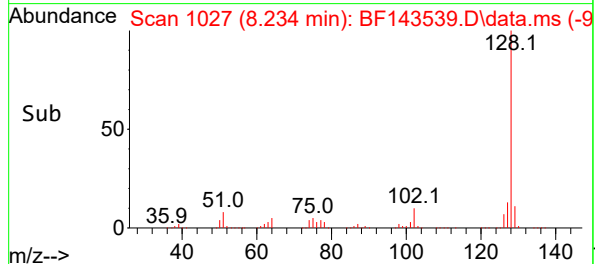
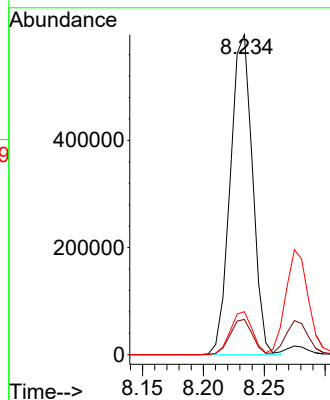
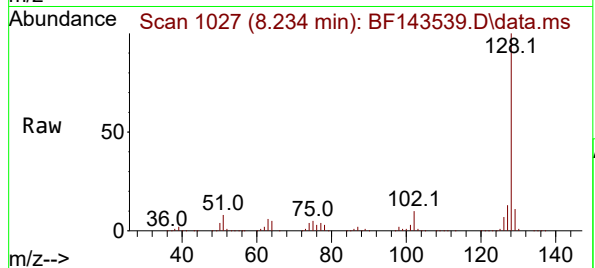
Tgt Ion:128 Resp: 758151

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 32.943 ng

RT: 7.975 min Scan# 983

Delta R.T. -0.035 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

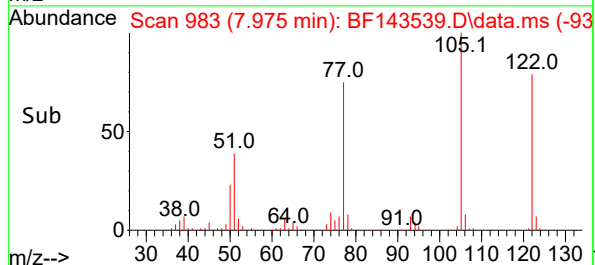
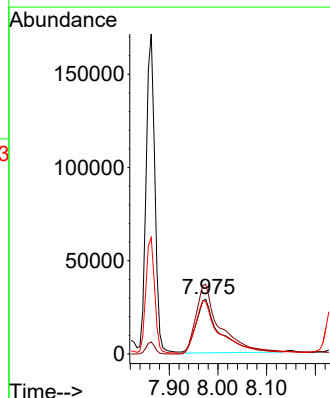
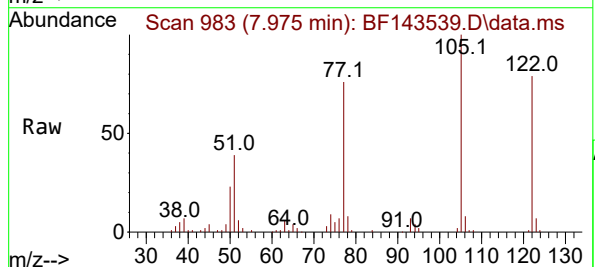
Tgt Ion:122 Resp: 95321

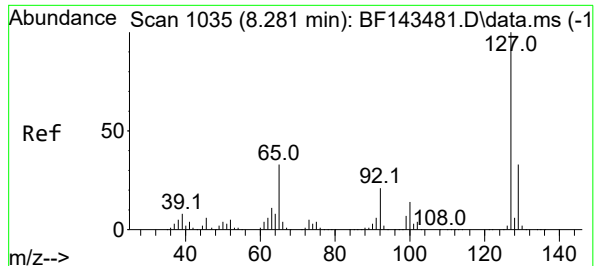
Ion Ratio Lower Upper

122 100

105 127.3 104.7 144.7

77 96.2 77.3 117.3





#33

4-Chloroaniline

Concen: 38.570 ng

RT: 8.275 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:127 Resp: 264368

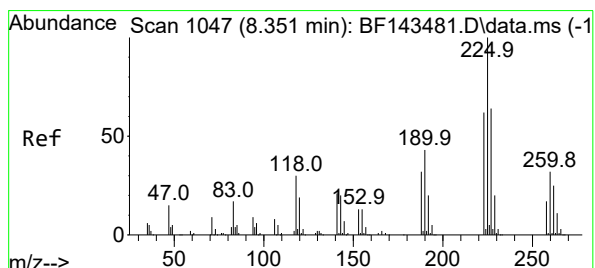
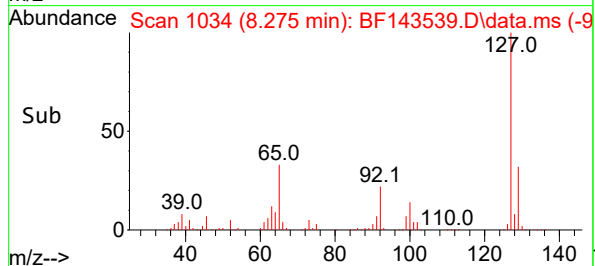
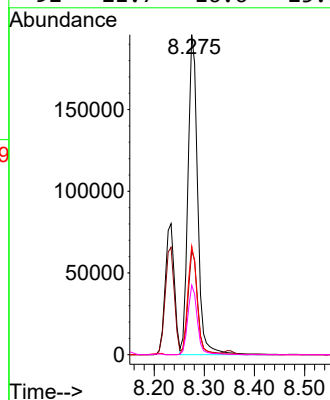
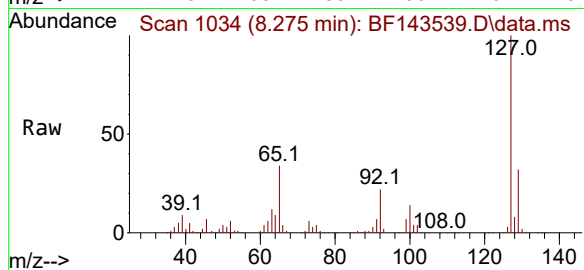
Ion Ratio Lower Upper

127 100

129 32.5 26.1 39.1

65 34.0 26.2 39.2

92 21.7 16.6 25.0



#34

Hexachlorobutadiene

Concen: 40.705 ng

RT: 8.351 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

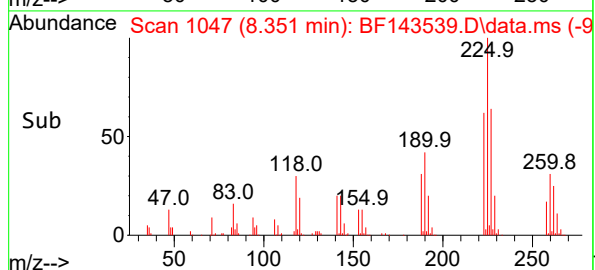
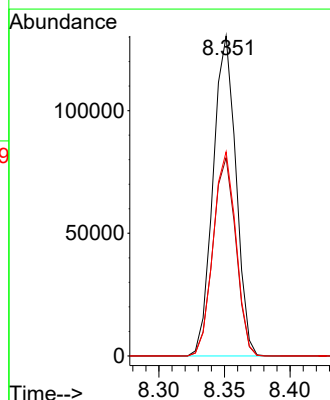
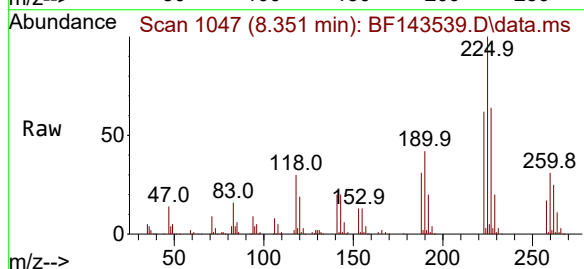
Tgt Ion:225 Resp: 157980

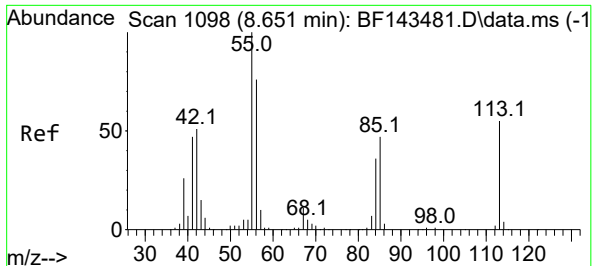
Ion Ratio Lower Upper

225 100

223 61.9 49.9 74.9

227 63.8 50.9 76.3





#35

Caprolactam

Concen: 43.789 ng

RT: 8.639 min Scan# 1096

Delta R.T. -0.035 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

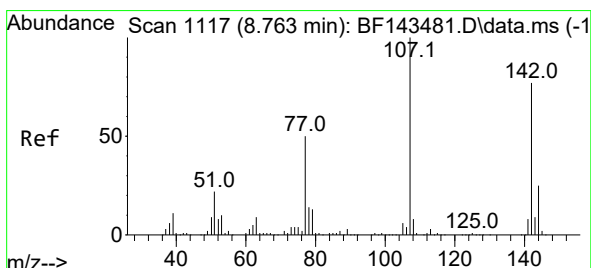
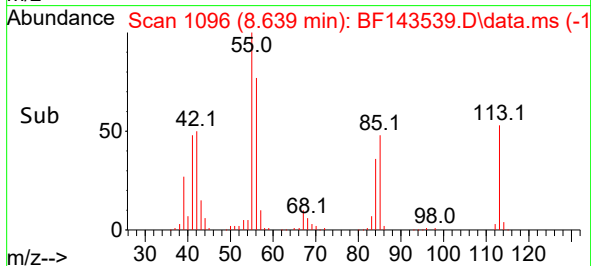
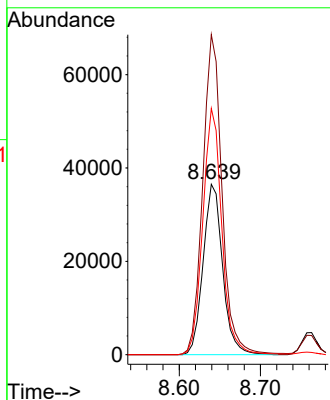
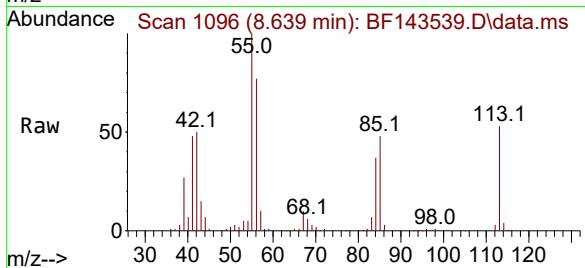
Tgt Ion:113 Resp: 60796

Ion Ratio Lower Upper

113 100

55 187.8 162.8 202.8

56 144.5 118.1 158.1



#36

4-Chloro-3-methylphenol

Concen: 38.769 ng

RT: 8.763 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

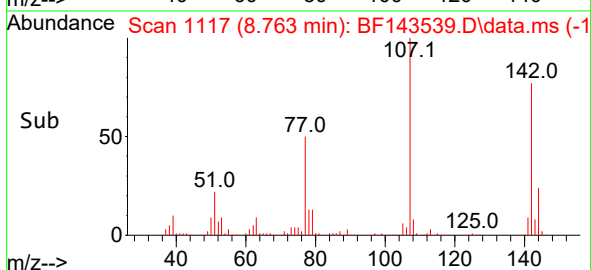
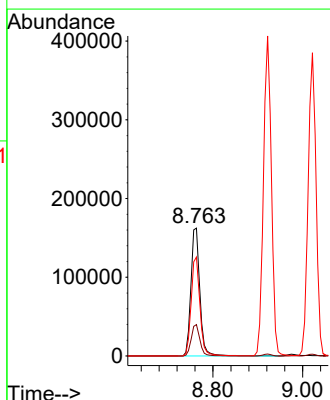
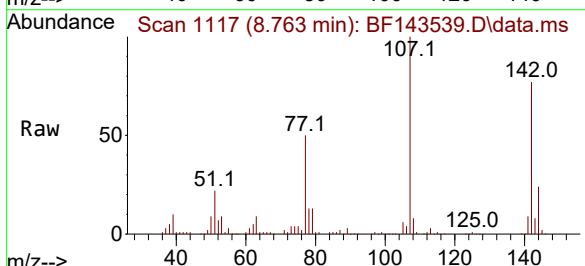
Tgt Ion:107 Resp: 224793

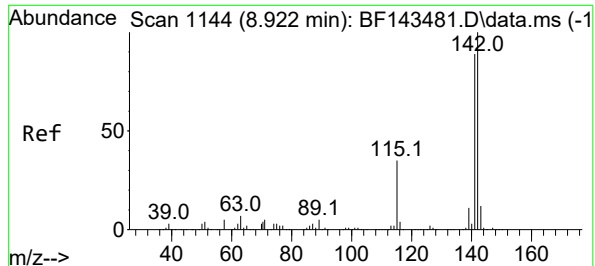
Ion Ratio Lower Upper

107 100

144 24.5 19.9 29.9

142 77.4 61.8 92.8

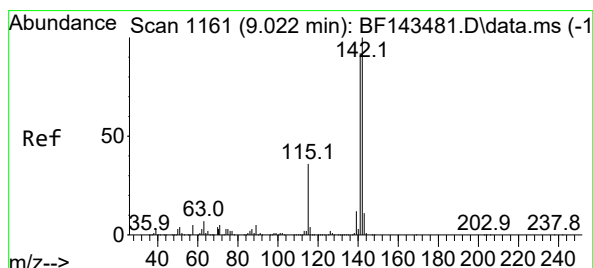
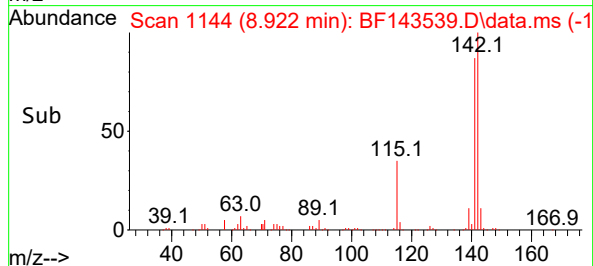
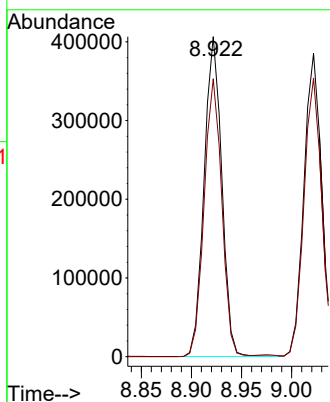
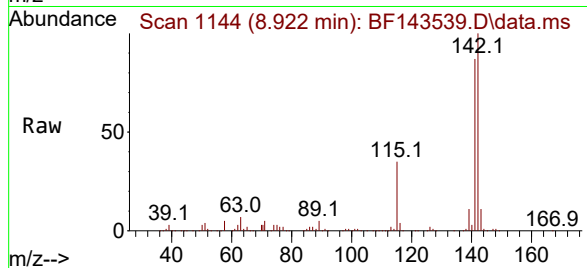




#37
2-Methylnaphthalene
Concen: 38.680 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

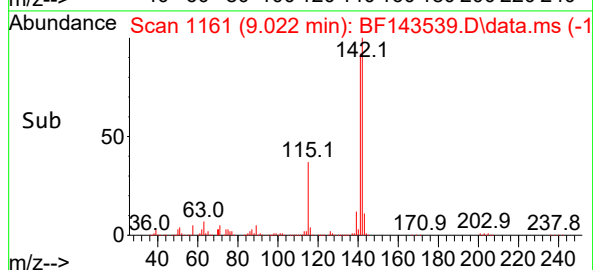
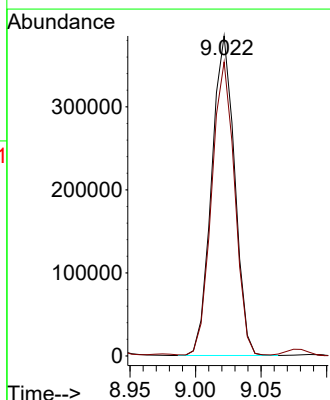
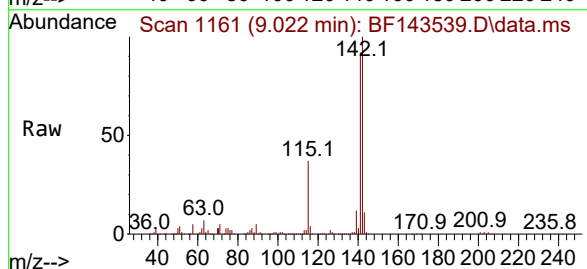
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

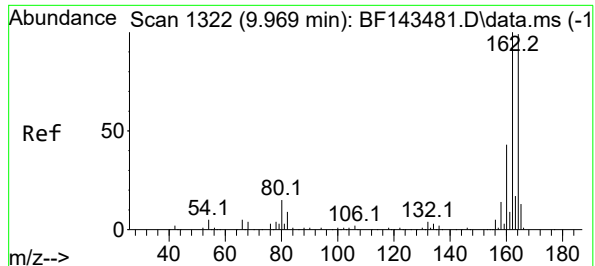
Tgt Ion:142 Resp: 498908
Ion Ratio Lower Upper
142 100
141 86.9 71.0 106.4



#38
1-Methylnaphthalene
Concen: 38.013 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:142 Resp: 468992
Ion Ratio Lower Upper
142 100
141 91.9 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

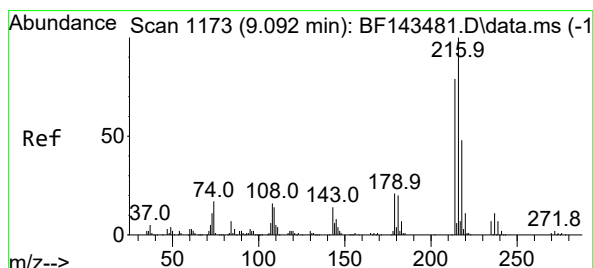
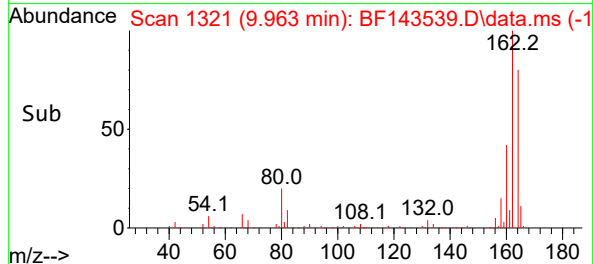
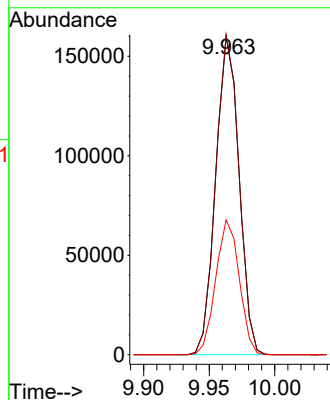
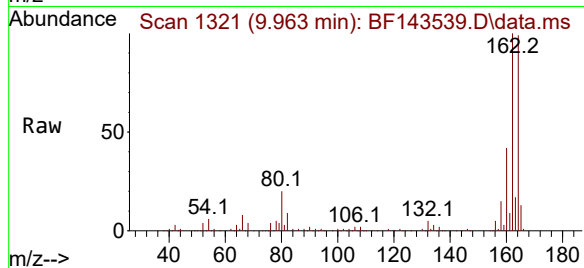
Tgt Ion:164 Resp: 197751

Ion Ratio Lower Upper

164 100

162 100.7 80.5 120.7

160 42.5 34.3 51.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.583 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Tgt Ion:216 Resp: 235213

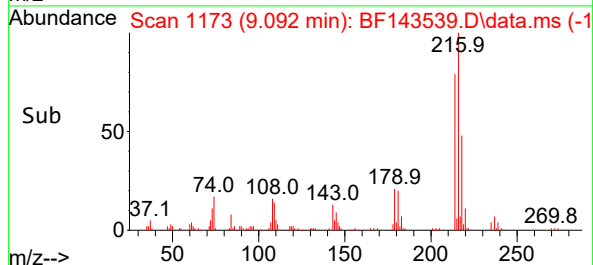
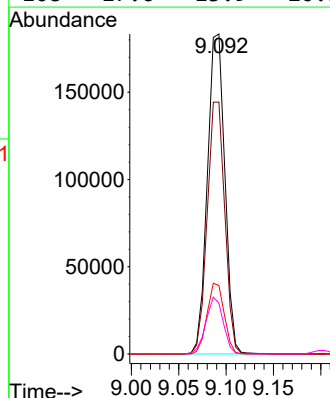
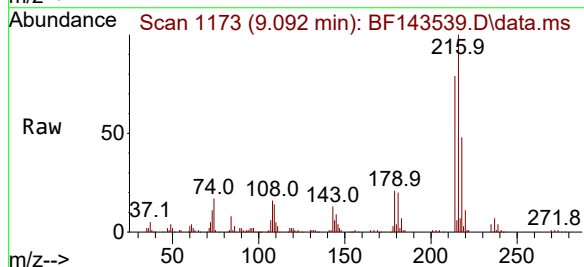
Ion Ratio Lower Upper

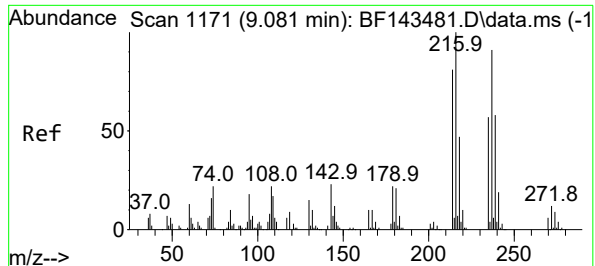
216 100

214 79.0 63.4 95.0

179 21.7 16.5 24.7

108 17.6 13.9 20.9

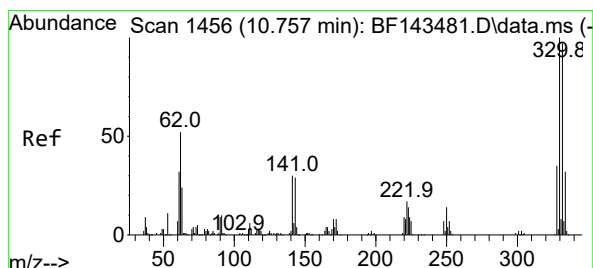
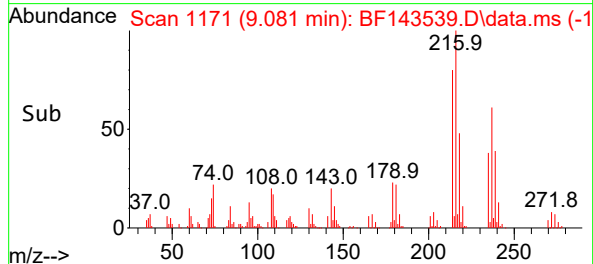
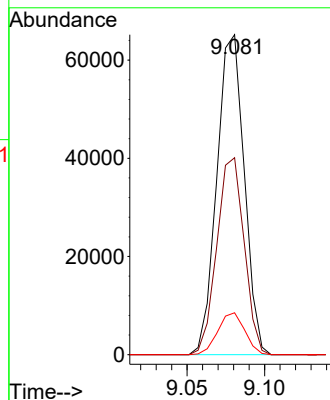
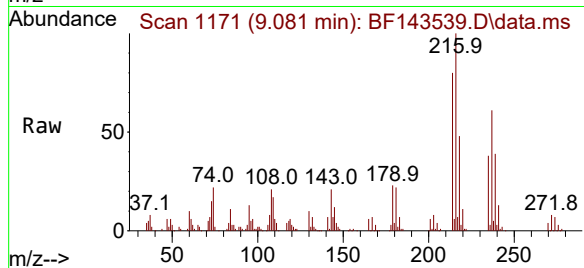




#41
Hexachlorocyclopentadiene
Concen: 40.008 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

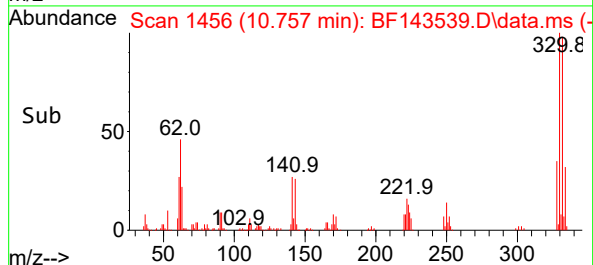
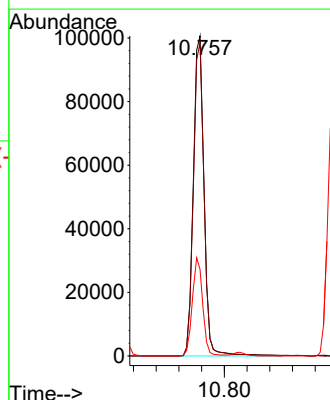
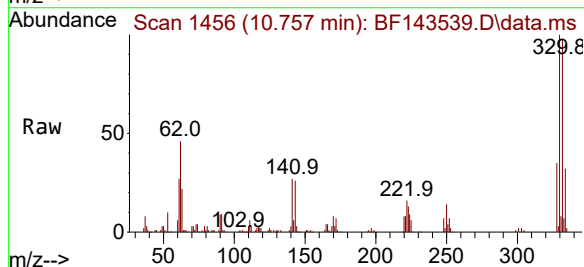
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

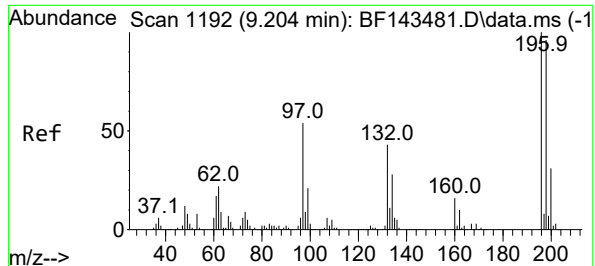
Tgt Ion	Ratio	Lower	Upper
237	100		
235	61.6	42.6	82.6
272	13.1	0.0	33.4



#42
2,4,6-Tribromophenol
Concen: 71.678 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	29.7	23.7	35.5





#43

2,4,6-Trichlorophenol

Concen: 41.956 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143539.D

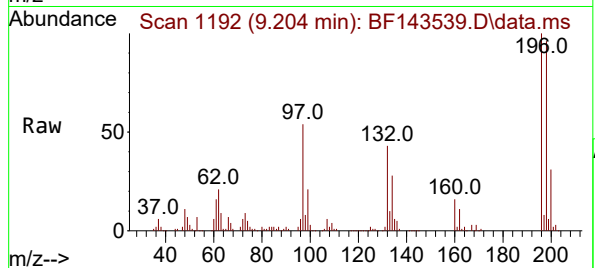
Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



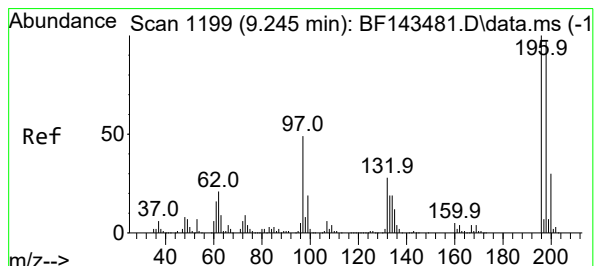
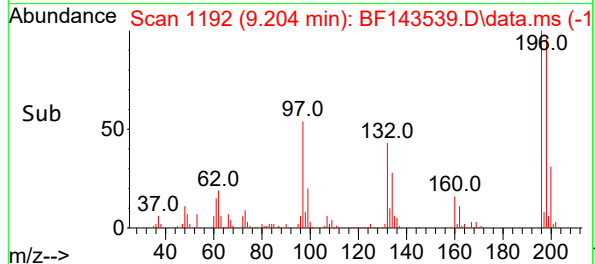
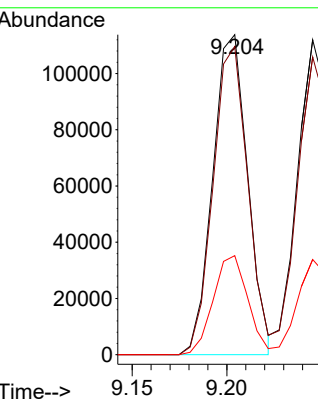
Tgt Ion:196 Resp: 146031

Ion Ratio Lower Upper

196 100

198 96.3 77.0 115.4

200 31.0 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 40.224 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Tgt Ion:196 Resp: 152926

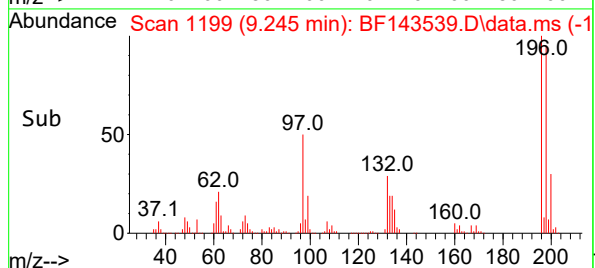
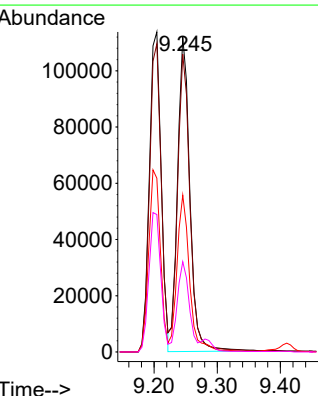
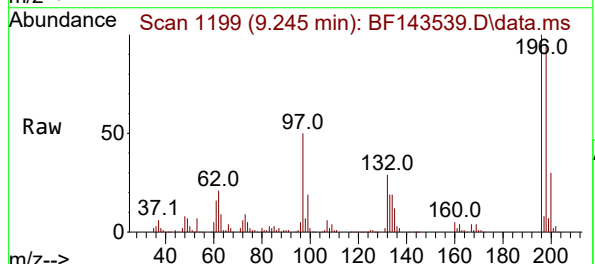
Ion Ratio Lower Upper

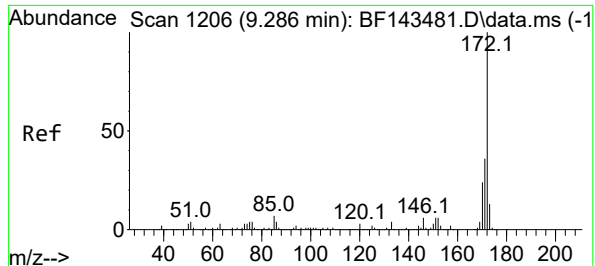
196 100

198 94.6 77.3 115.9

97 49.8 40.0 60.0

132 28.7 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 83.673 ng

RT: 9.281 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

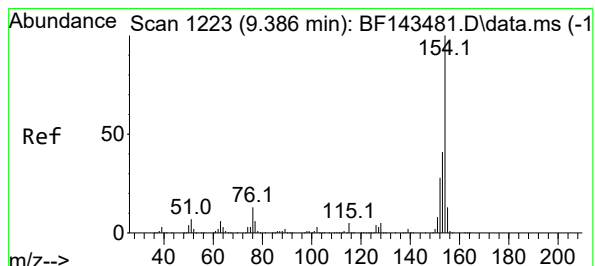
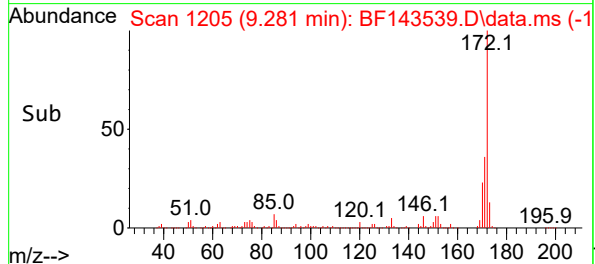
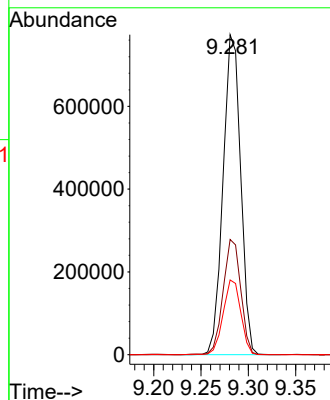
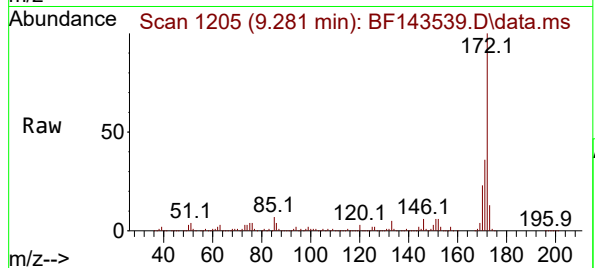
Tgt Ion:172 Resp: 1001186

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.4 18.8 28.2



#46

1,1'-Biphenyl

Concen: 41.811 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

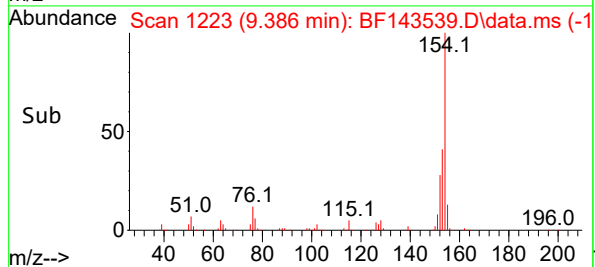
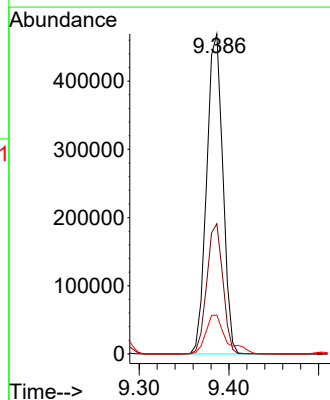
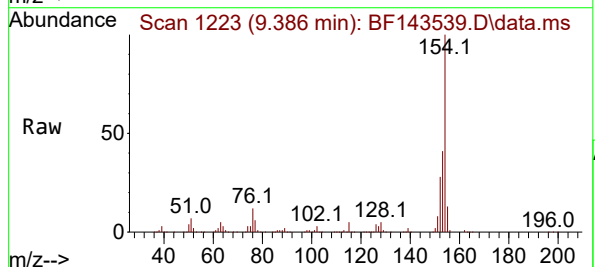
Tgt Ion:154 Resp: 586854

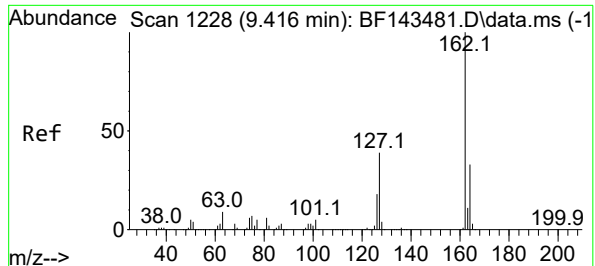
Ion Ratio Lower Upper

154 100

153 40.7 20.6 60.6

76 12.1 0.0 33.0





#47

2-Chloronaphthalene

Concen: 41.011 ng

RT: 9.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

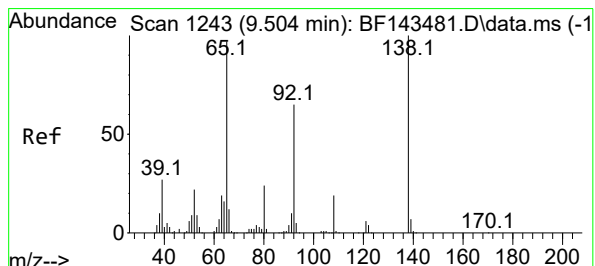
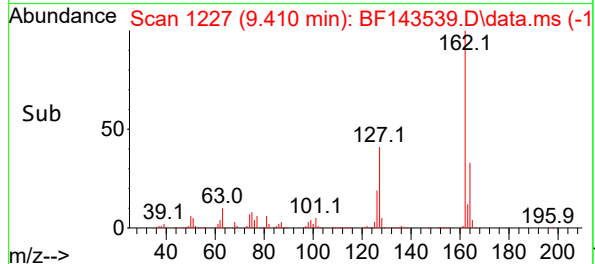
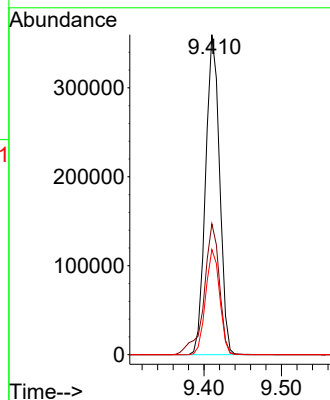
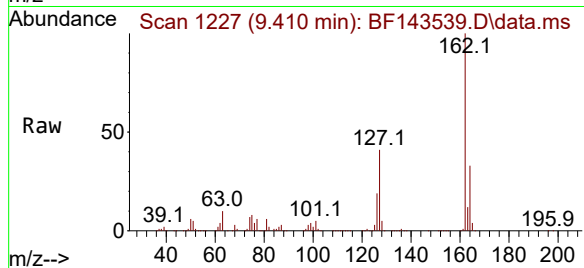
Tgt Ion:162 Resp: 451645

Ion Ratio Lower Upper

162 100

127 40.9 31.8 47.6

164 32.8 26.4 39.6



#48

2-Nitroaniline

Concen: 41.582 ng

RT: 9.504 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

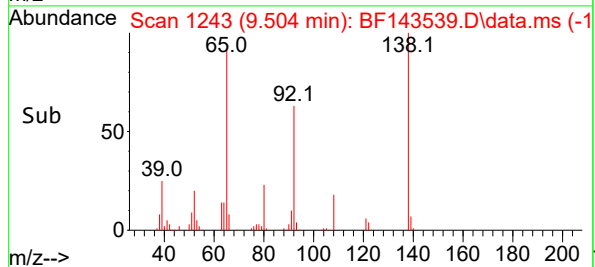
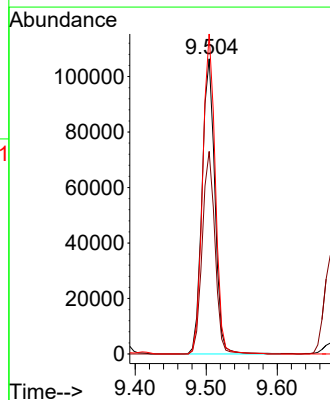
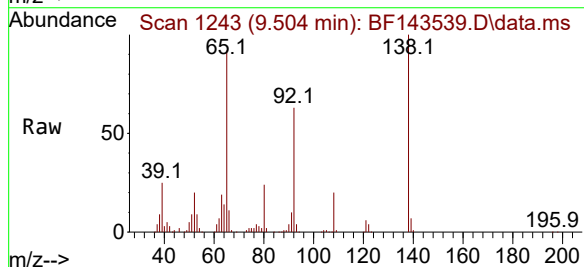
Tgt Ion: 65 Resp: 134022

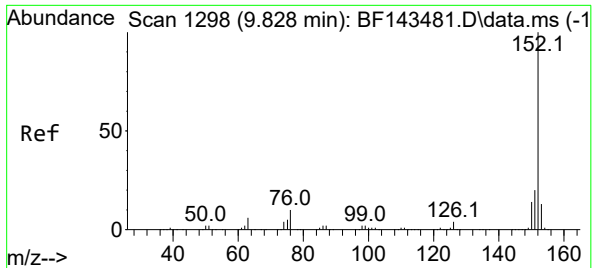
Ion Ratio Lower Upper

65 100

92 68.6 53.8 80.6

138 108.4 82.4 123.6





#49

Acenaphthylene

Concen: 40.434 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

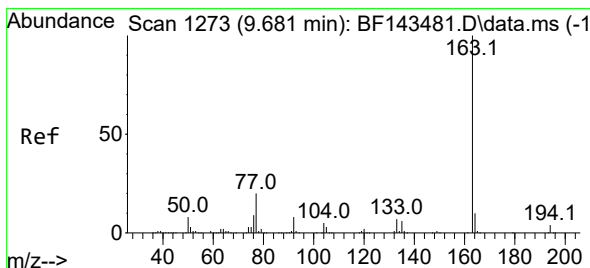
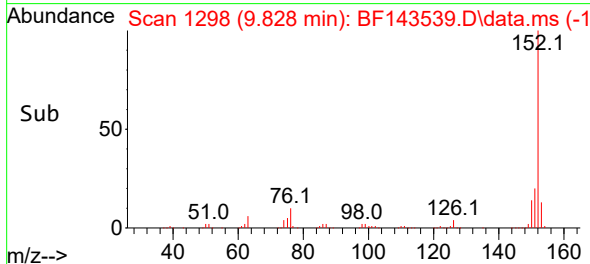
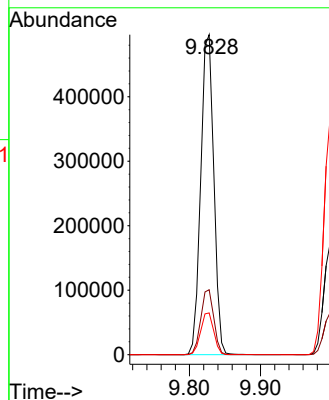
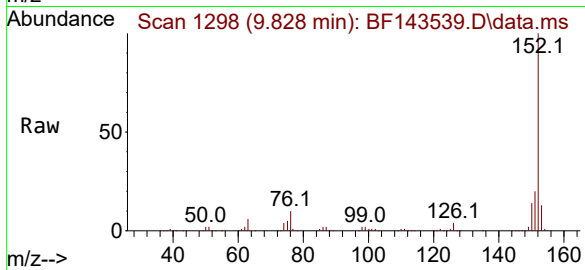
Tgt Ion:152 Resp: 637603

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

153 13.0 10.6 15.8



#50

Dimethylphthalate

Concen: 44.261 ng

RT: 9.675 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

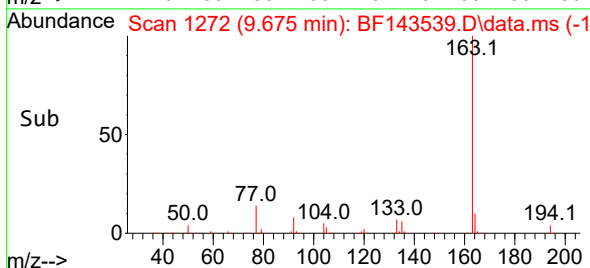
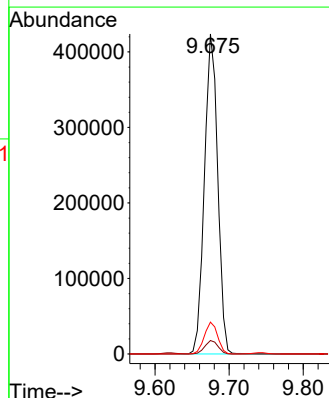
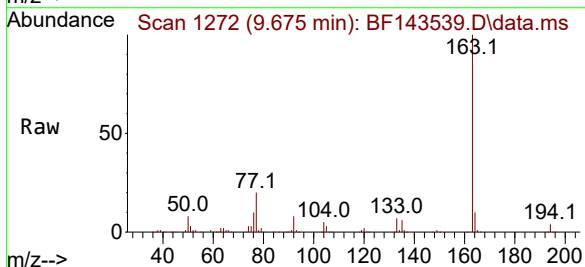
Tgt Ion:163 Resp: 527145

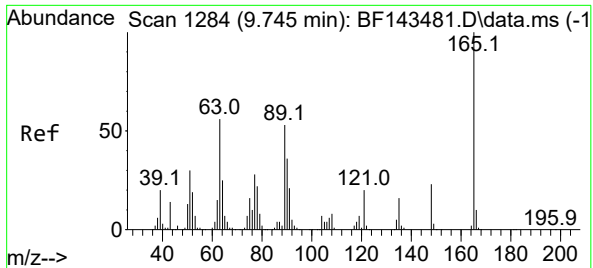
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.0 8.2 12.2

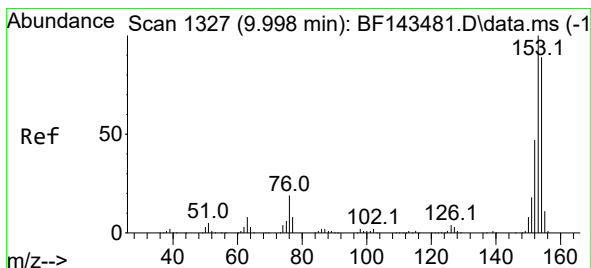
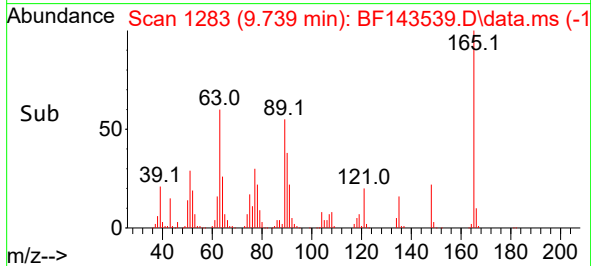
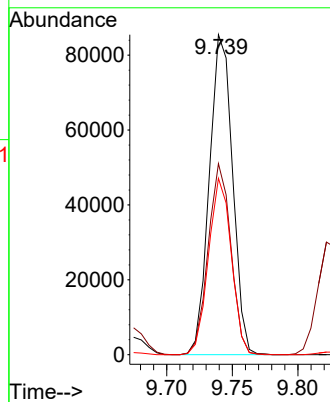
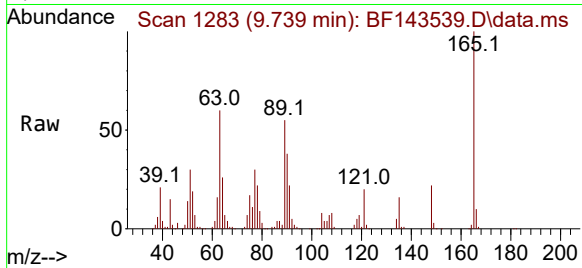




#51
2,6-Dinitrotoluene
Concen: 42.723 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

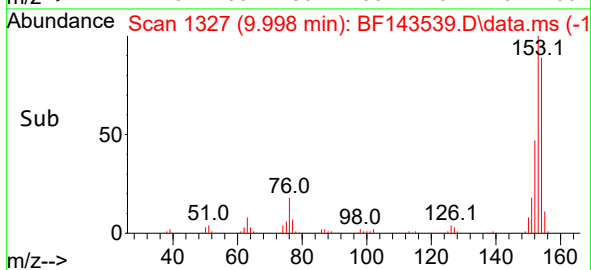
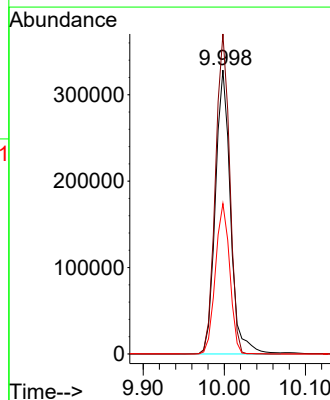
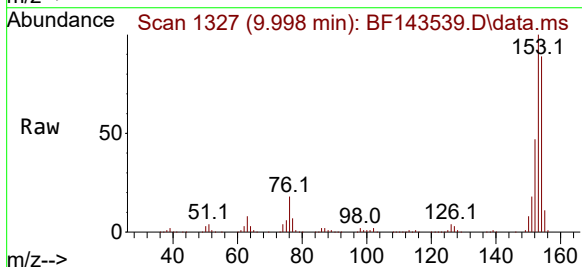
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

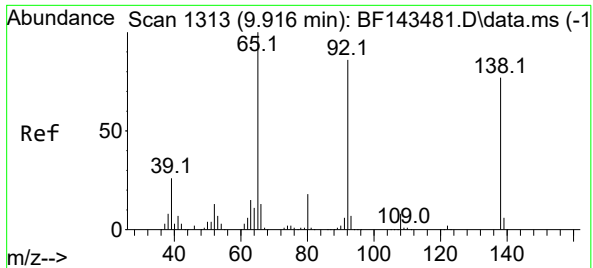
Tgt Ion:165 Resp: 105458
Ion Ratio Lower Upper
165 100
63 59.7 45.0 67.6
89 55.1 42.5 63.7



#52
Acenaphthene
Concen: 39.741 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:154 Resp: 425489
Ion Ratio Lower Upper
154 100
153 112.7 89.5 134.3
152 53.0 42.5 63.7





#53

3-Nitroaniline

Concen: 40.609 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

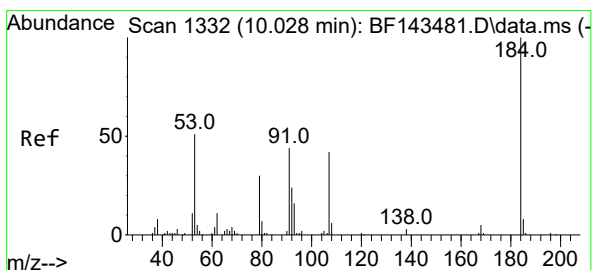
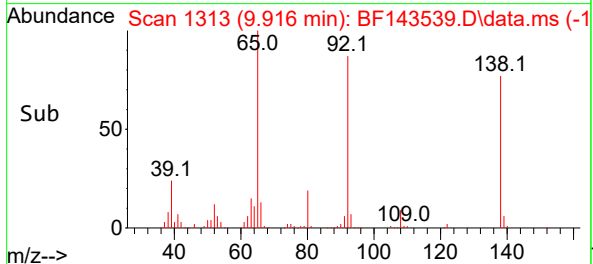
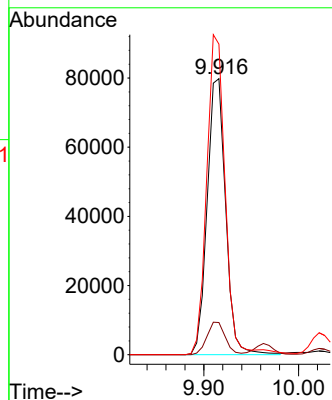
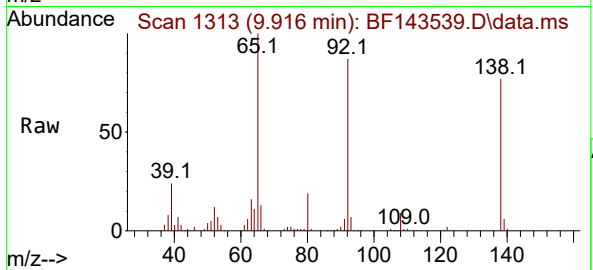
Tgt Ion:138 Resp: 108314

Ion Ratio Lower Upper

138 100

108 11.7 8.6 13.0

92 112.5 89.8 134.8



#54

2,4-Dinitrophenol

Concen: 31.881 ng

RT: 10.022 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

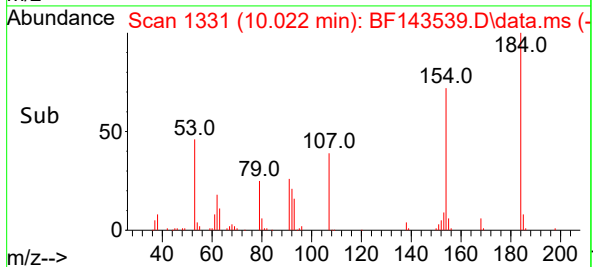
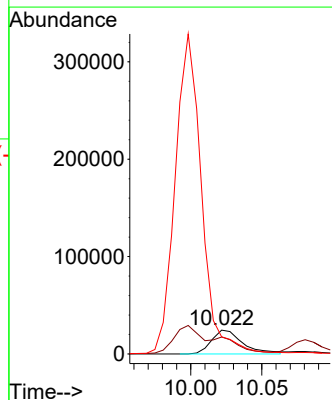
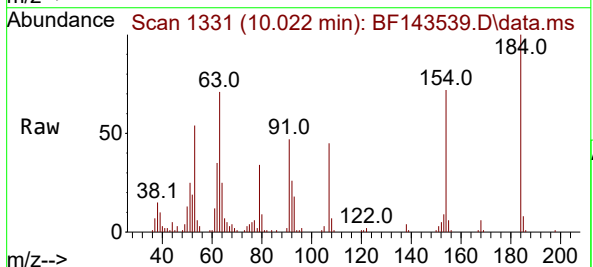
Tgt Ion:184 Resp: 37584

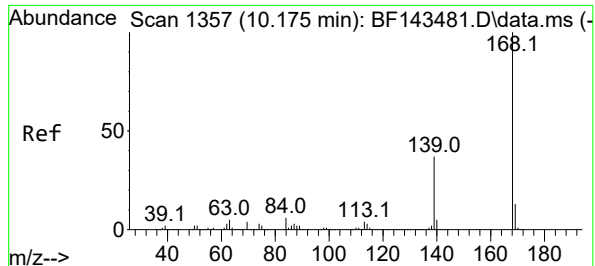
Ion Ratio Lower Upper

184 100

63 70.7 52.6 78.8

154 71.6 51.0 76.4





#55

Dibenzenofuran

Concen: 39.052 ng

RT: 10.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

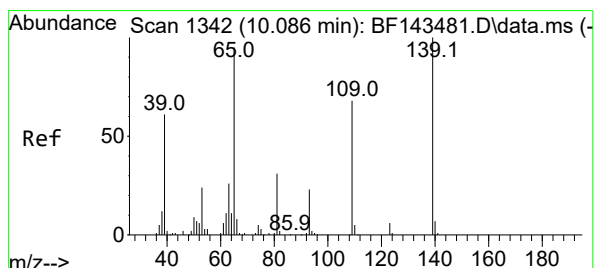
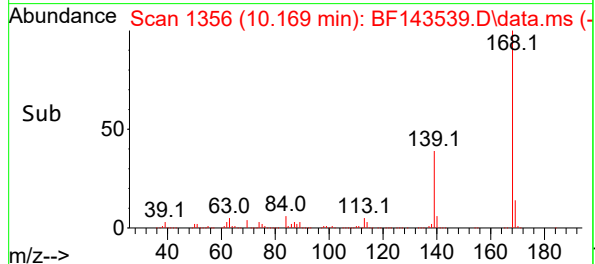
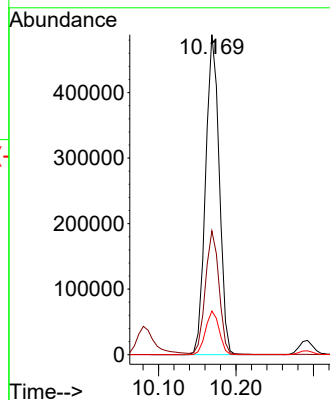
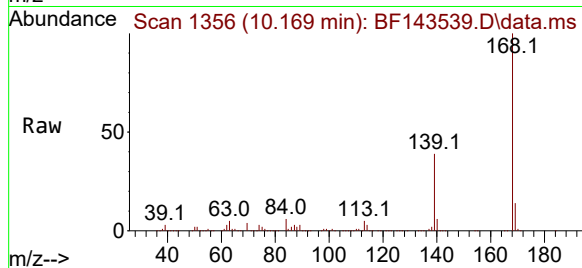
Tgt Ion:168 Resp: 596110

Ion Ratio Lower Upper

168 100

139 38.7 29.8 44.6

169 13.7 10.8 16.2



#56

4-Nitrophenol

Concen: 43.542 ng

RT: 10.081 min Scan# 1341

Delta R.T. -0.005 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

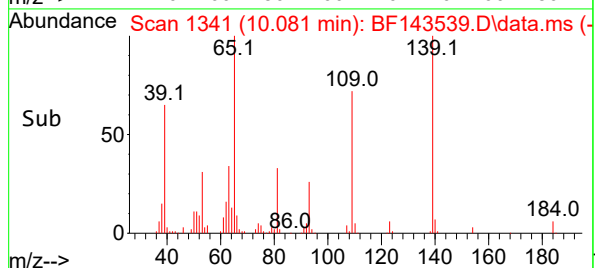
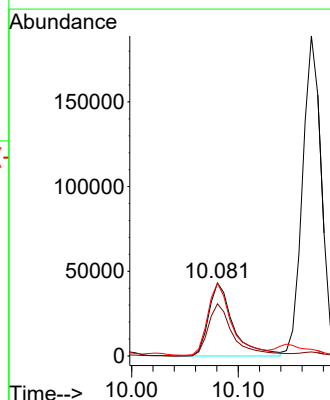
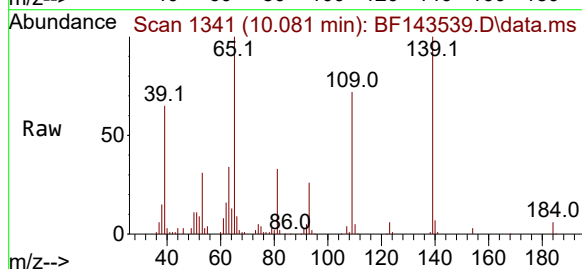
Tgt Ion:139 Resp: 69103

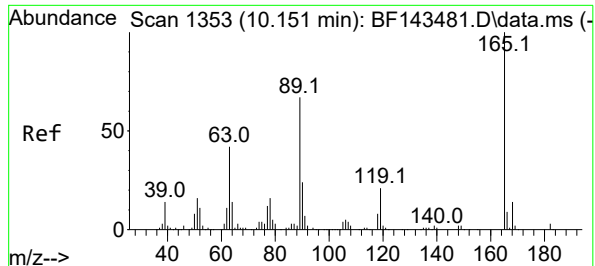
Ion Ratio Lower Upper

139 100

109 71.5 48.2 88.2

65 99.9 75.8 115.8





#57

2,4-Dinitrotoluene

Concen: 40.847 ng

RT: 10.145 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143539.D

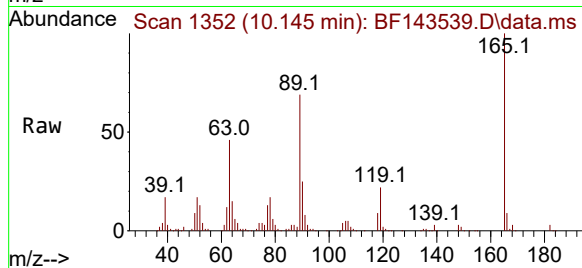
Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion:165 Resp: 134631

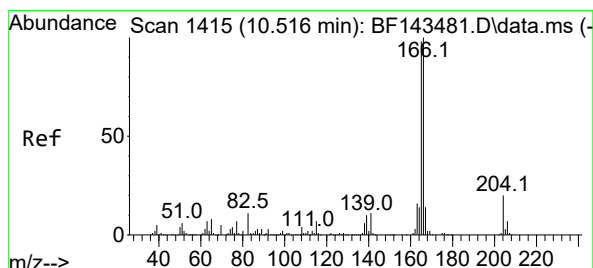
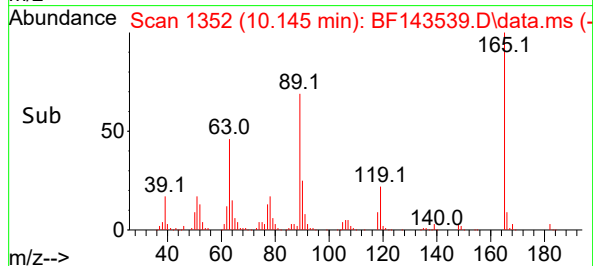
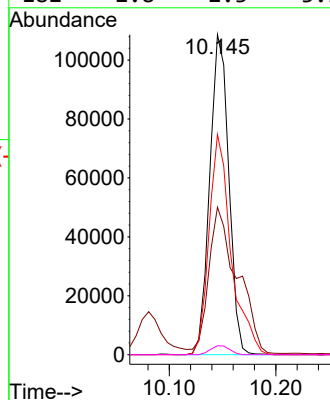
Ion Ratio Lower Upper

165 100

63 46.1 34.9 52.3

89 68.8 53.3 79.9

182 2.8 2.3 3.5



#58

Fluorene

Concen: 38.364 ng

RT: 10.516 min Scan# 1415

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

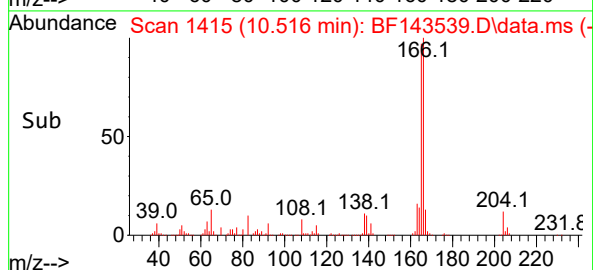
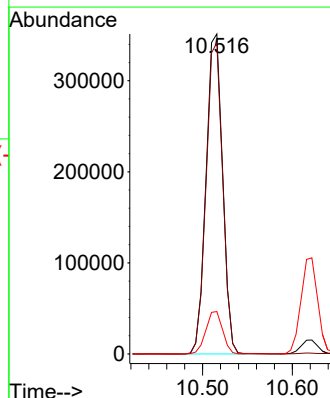
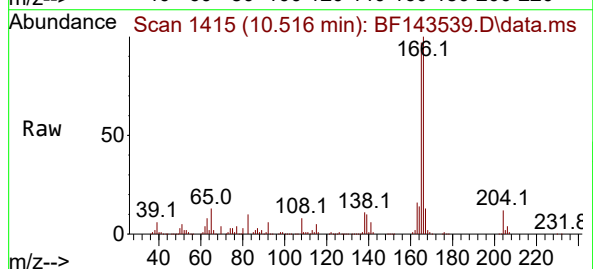
Tgt Ion:166 Resp: 450707

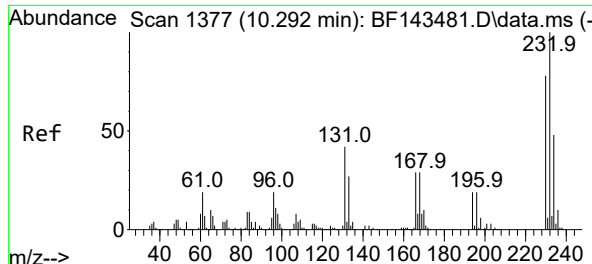
Ion Ratio Lower Upper

166 100

165 97.2 78.3 117.5

167 13.2 11.0 16.4

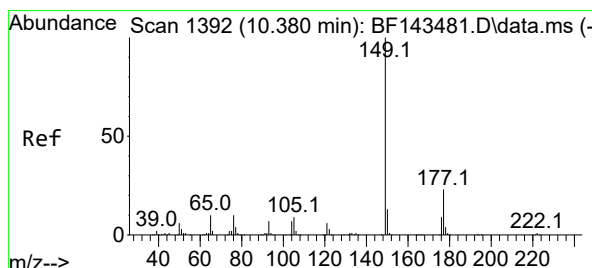
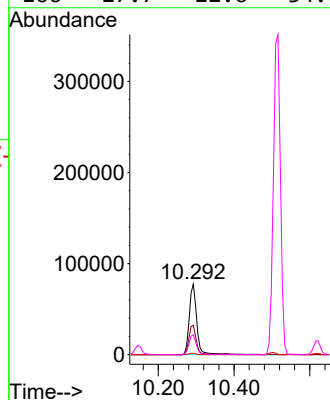
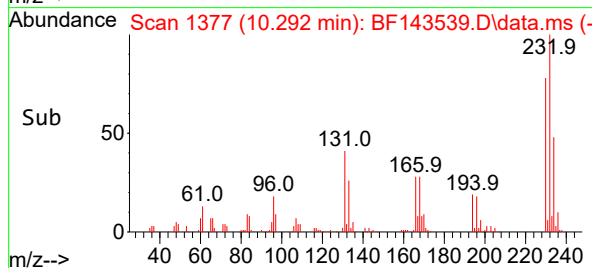
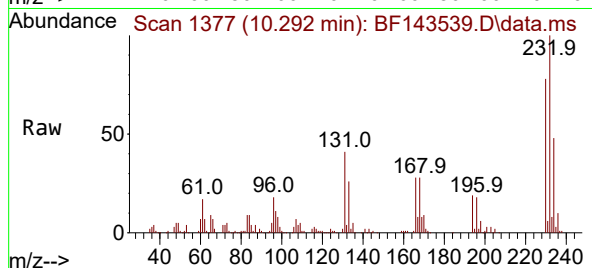




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.783 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

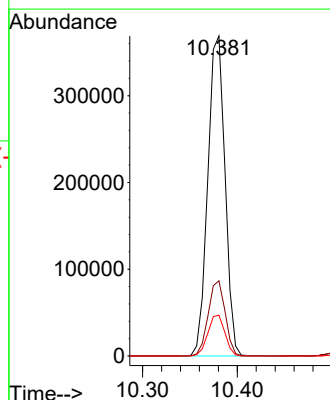
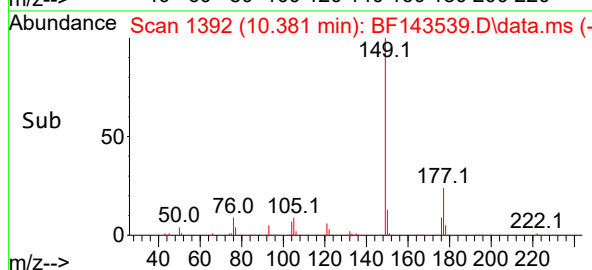
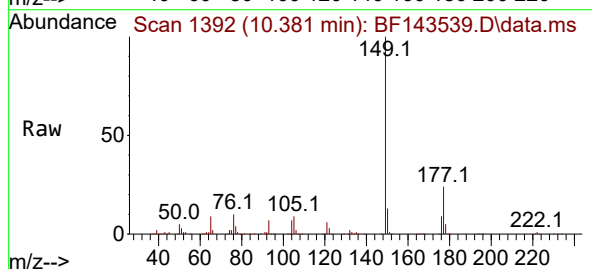
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

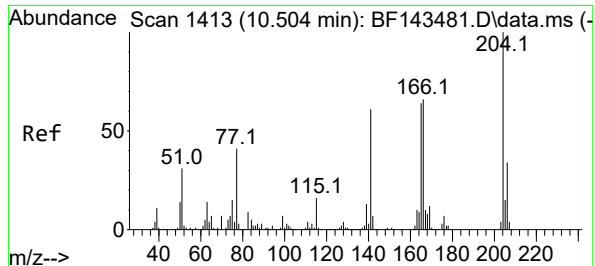
Tgt Ion:232 Resp: 106720
Ion Ratio Lower Upper
232 100
131 41.0 32.7 49.1
130 1.9 1.6 2.4
166 27.7 22.6 34.0



#60
Diethylphthalate
Concen: 43.716 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:149 Resp: 466799
Ion Ratio Lower Upper
149 100
177 23.5 18.3 27.5
150 12.7 10.3 15.5

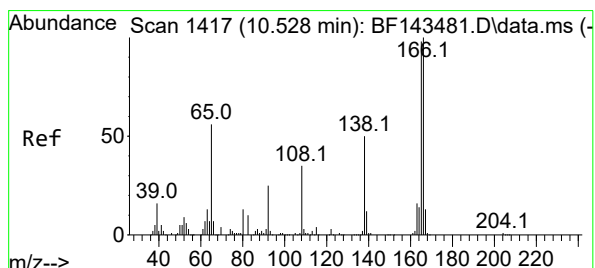
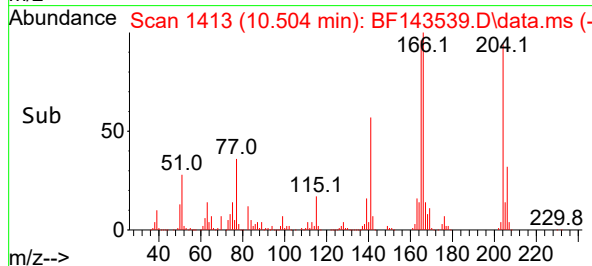
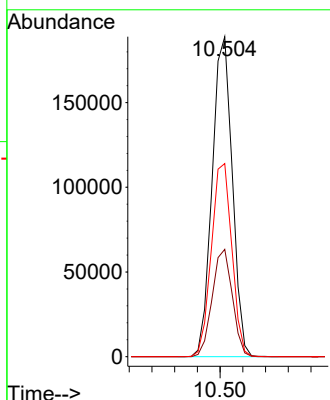
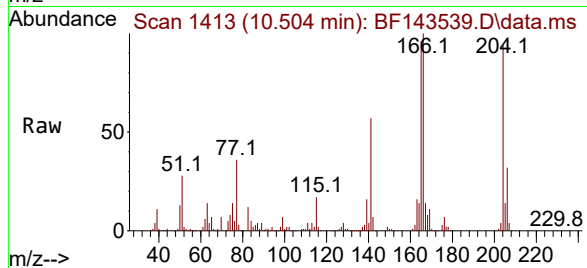




#61
4-Chlorophenyl-phenylether
Concen: 39.562 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

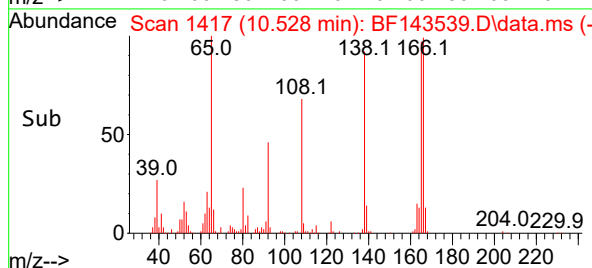
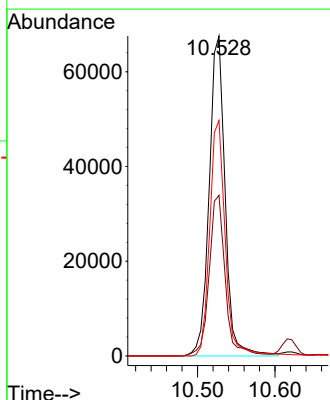
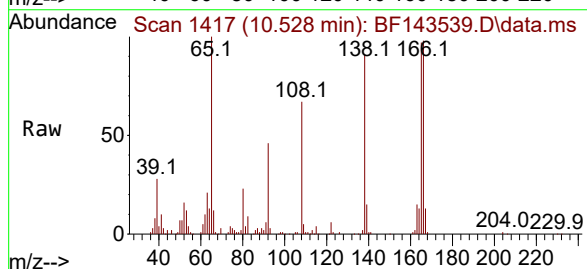
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

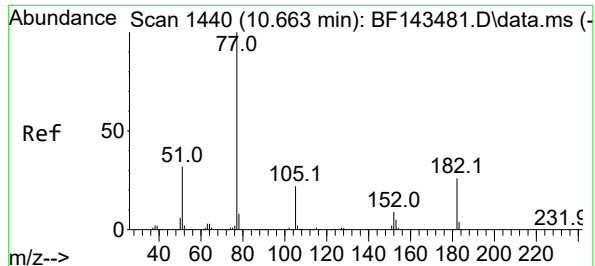
Tgt Ion:204 Resp: 232448
Ion Ratio Lower Upper
204 100
206 33.6 27.0 40.4
141 60.3 48.7 73.1



#62
4-Nitroaniline
Concen: 39.469 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:138 Resp: 96697
Ion Ratio Lower Upper
138 100
92 50.2 29.3 69.3
108 73.6 50.7 90.7





#63

Azobenzene

Concen: 38.969 ng

RT: 10.663 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF143539.D

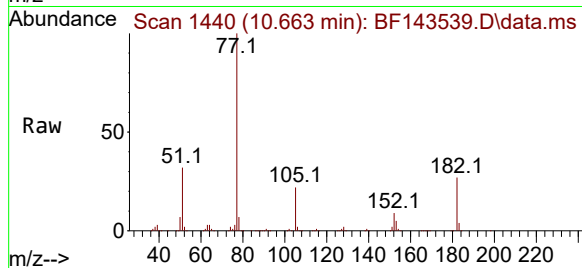
Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion: 77 Resp: 431460

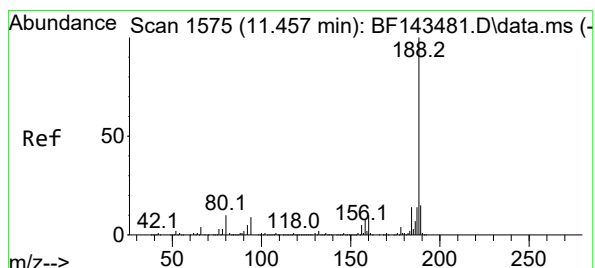
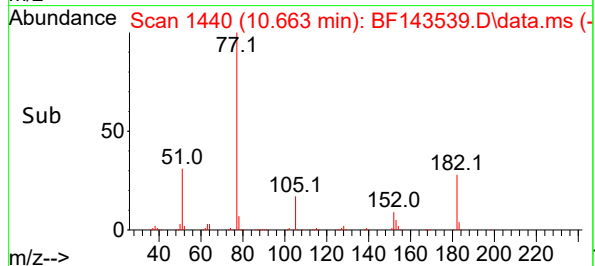
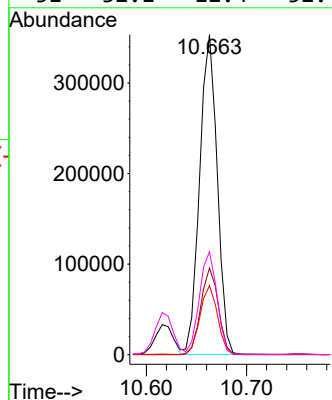
Ion Ratio Lower Upper

77 100

182 27.1 6.2 46.2

105 21.5 2.2 42.2

51 32.1 12.4 52.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

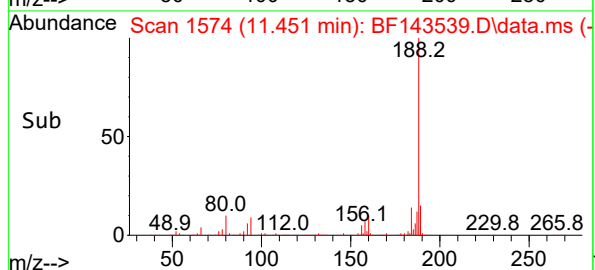
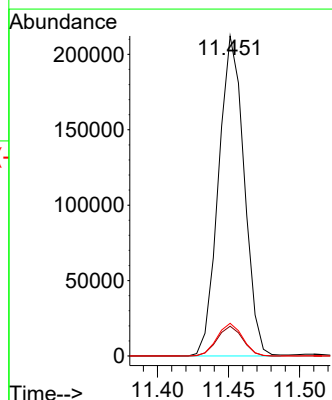
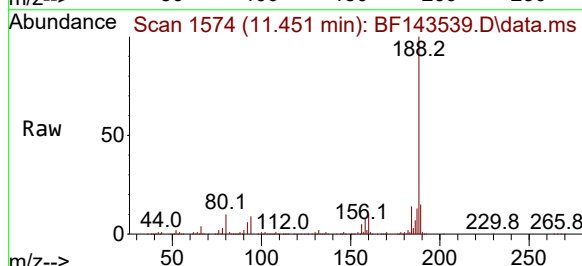
Tgt Ion: 188 Resp: 266164

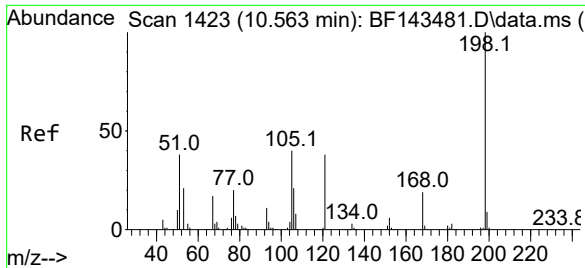
Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.2 8.2 12.4

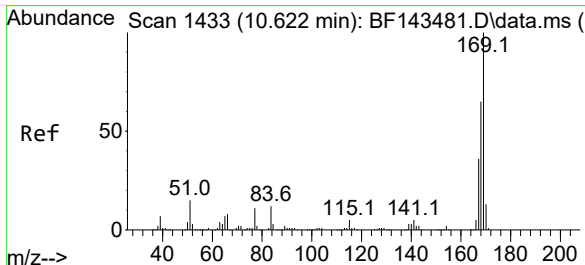
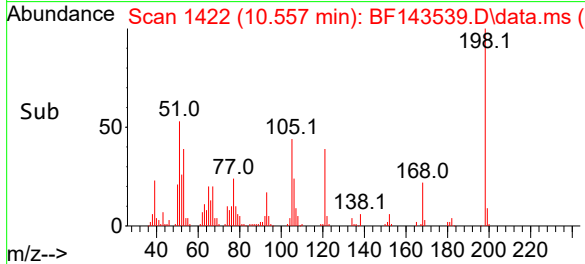
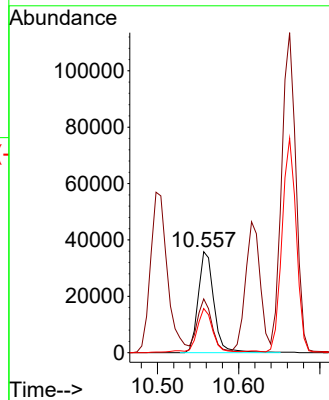
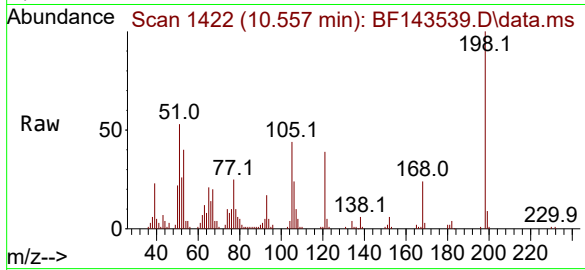




#65
4,6-Dinitro-2-methylphenol
Concen: 32.117 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

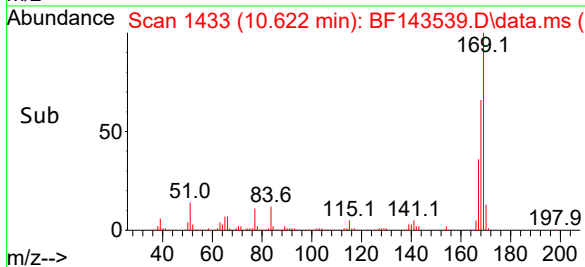
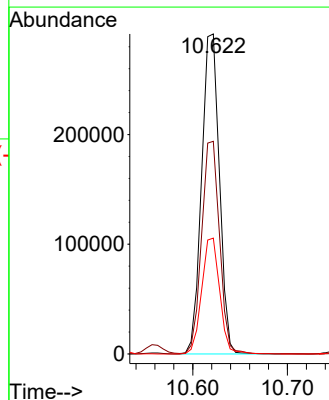
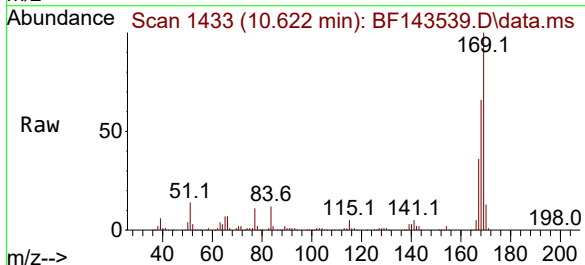
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

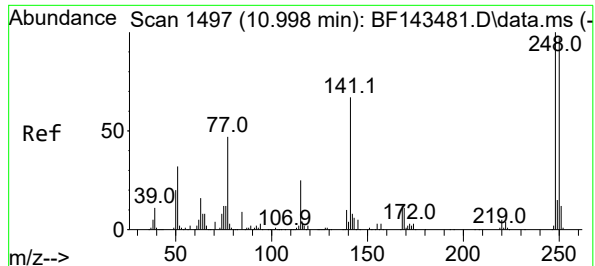
Tgt Ion	Ratio	Lower	Upper
198	100		
51	53.2	29.6	69.6
105	43.7	21.5	61.5



#66
n-Nitrosodiphenylamine
Concen: 44.307 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.4	78.6
167	36.2	28.9	43.3

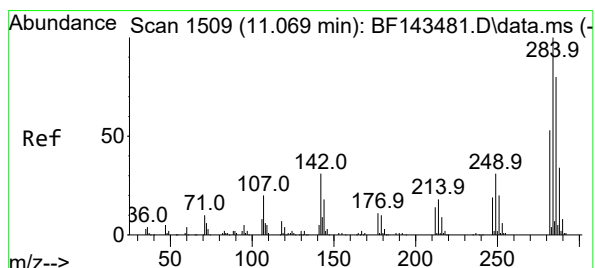
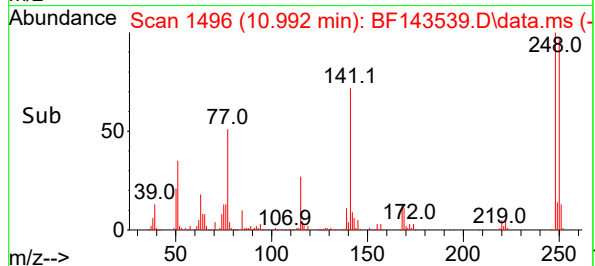
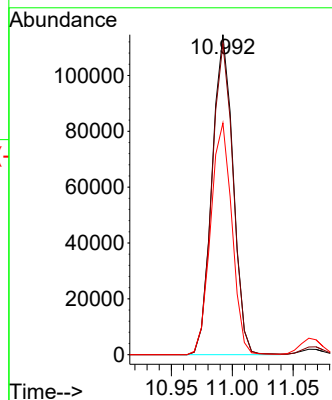
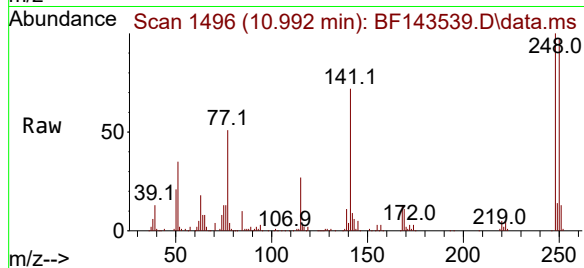




#67
4-Bromophenyl-phenylether
Concen: 43.446 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

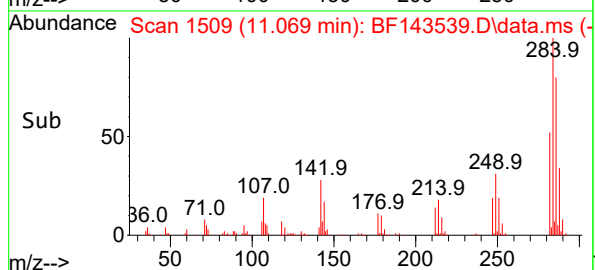
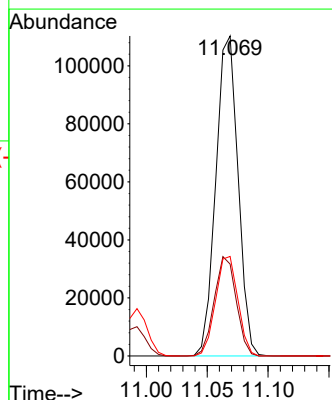
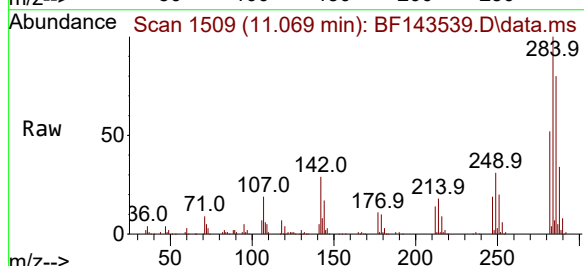
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

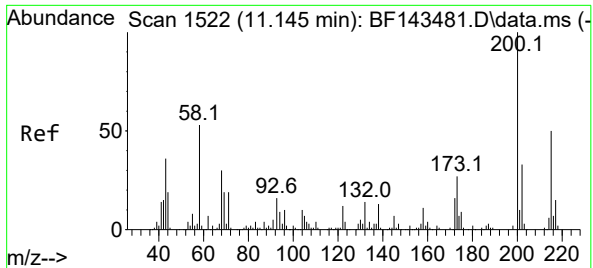
Tgt Ion:248 Resp: 137974
Ion Ratio Lower Upper
248 100
250 97.2 77.8 116.8
141 72.4 54.0 81.0



#68
Hexachlorobenzene
Concen: 40.894 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:284 Resp: 139989
Ion Ratio Lower Upper
284 100
142 28.7 24.4 36.6
249 31.1 25.0 37.6





#69

Atrazine

Concen: 51.067 ng

RT: 11.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

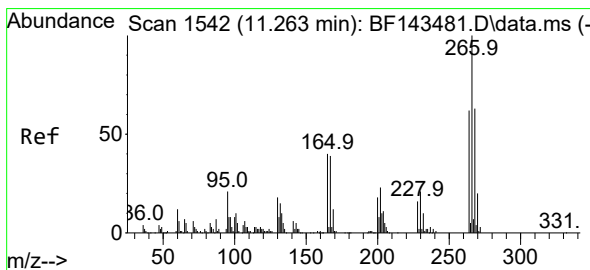
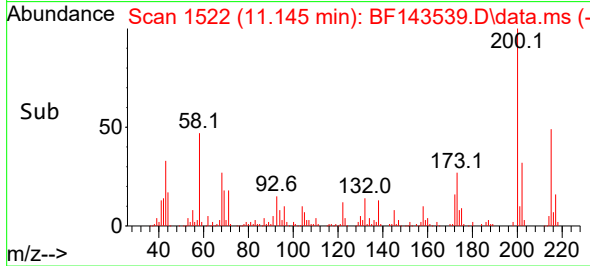
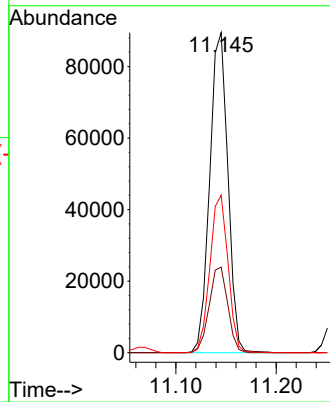
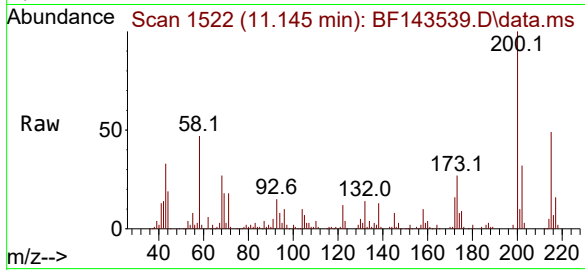
Tgt Ion:200 Resp: 112914

Ion Ratio Lower Upper

200 100

173 26.7 6.9 46.9

215 49.2 30.0 70.0



#70

Pentachlorophenol

Concen: 82.680 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

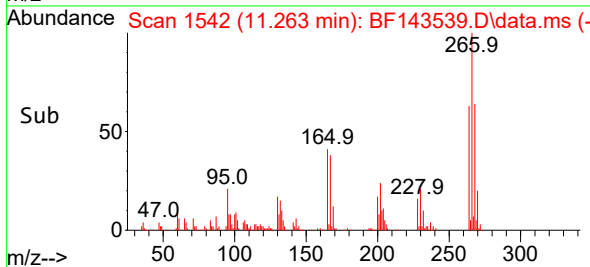
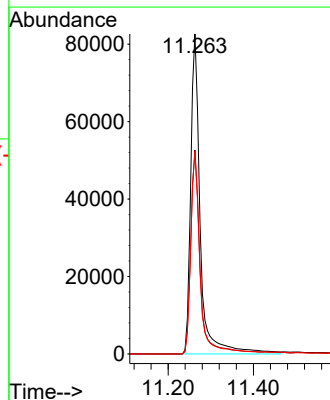
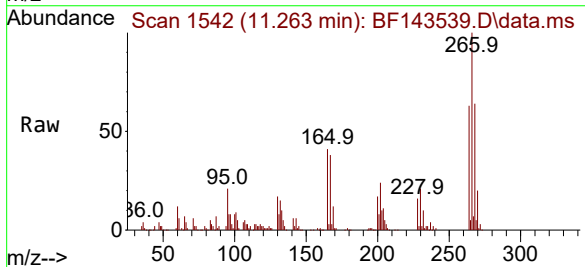
Tgt Ion:266 Resp: 129625

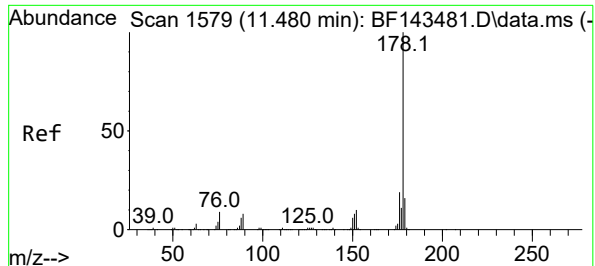
Ion Ratio Lower Upper

266 100

268 63.7 50.5 75.7

264 63.2 49.8 74.8





#71

Phenanthrene

Concen: 39.974 ng

RT: 11.475 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

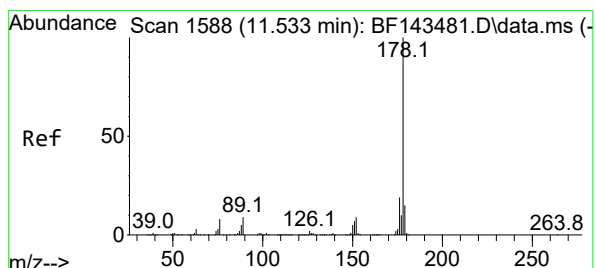
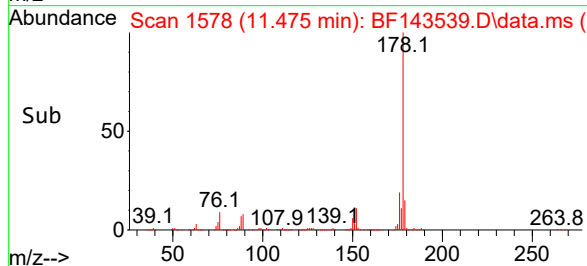
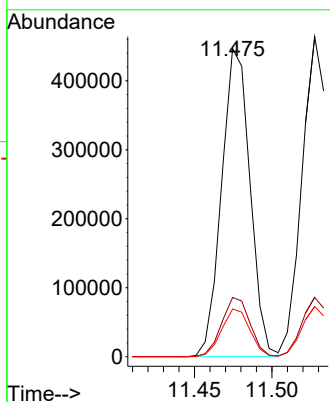
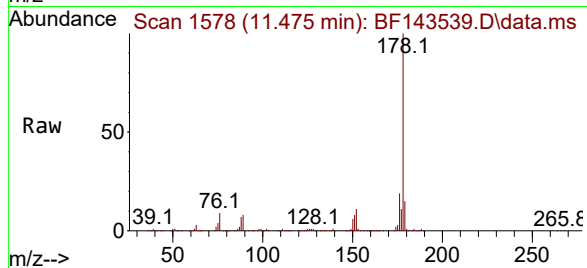
Tgt Ion:178 Resp: 569767

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.5 12.5 18.7



#72

Anthracene

Concen: 39.947 ng

RT: 11.528 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

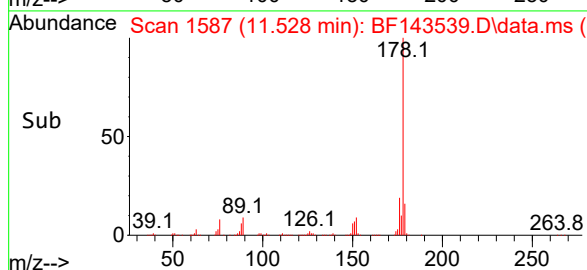
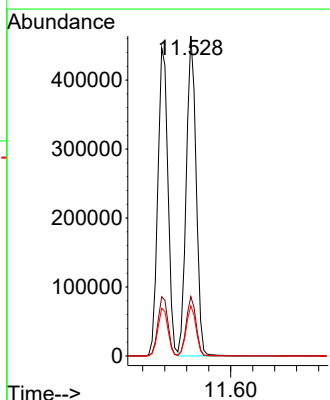
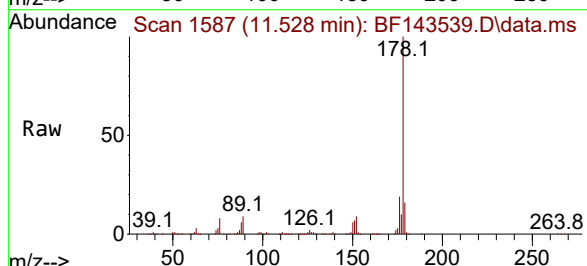
Tgt Ion:178 Resp: 576813

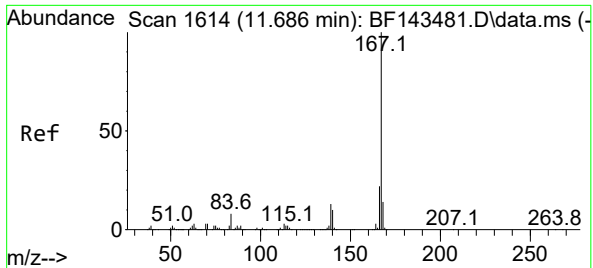
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.6 12.3 18.5

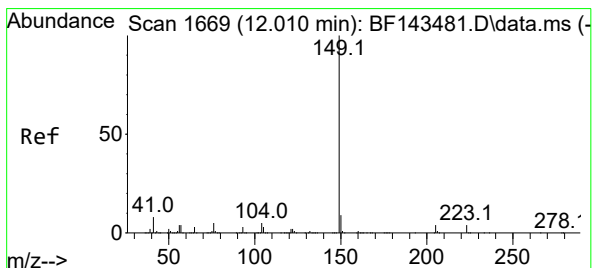
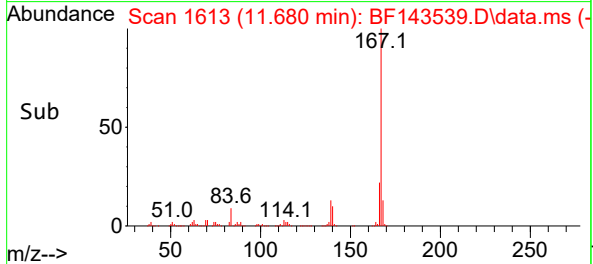
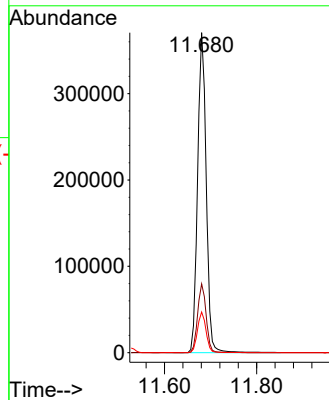
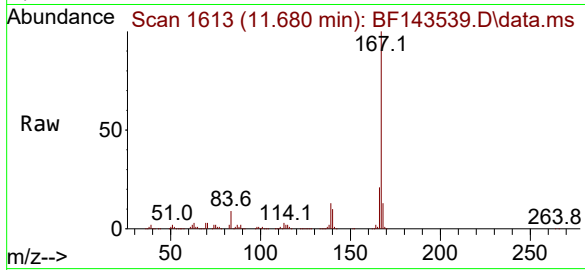




#73
Carbazole
Concen: 40.531 ng
RT: 11.680 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

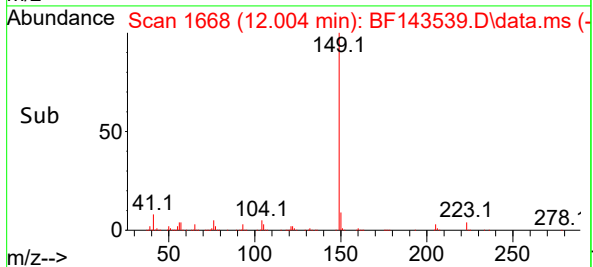
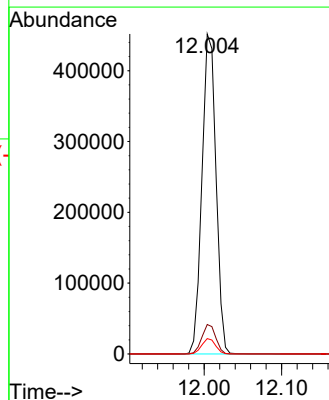
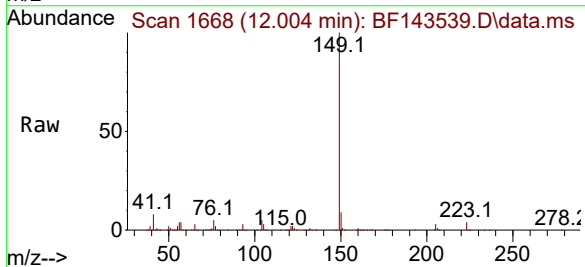
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

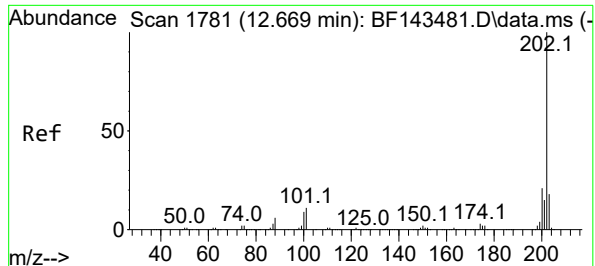
Tgt Ion:167 Resp: 479540
Ion Ratio Lower Upper
167 100
166 21.5 17.3 25.9
139 12.7 10.0 15.0



#74
Di-n-butylphthalate
Concen: 51.539 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:149 Resp: 568861
Ion Ratio Lower Upper
149 100
150 9.2 7.2 10.8
104 4.8 3.6 5.4

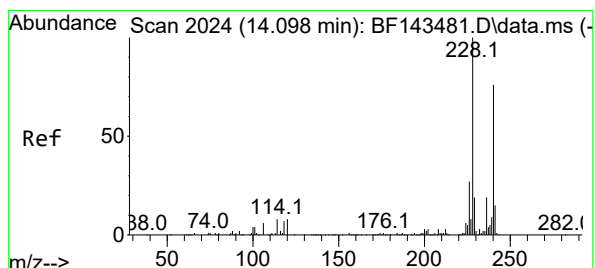
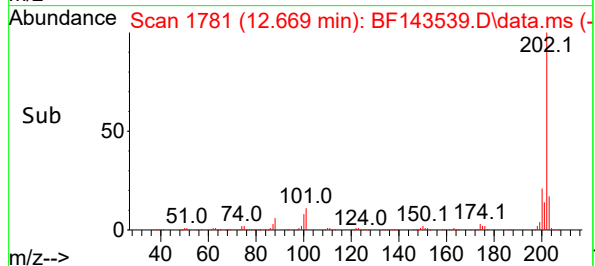
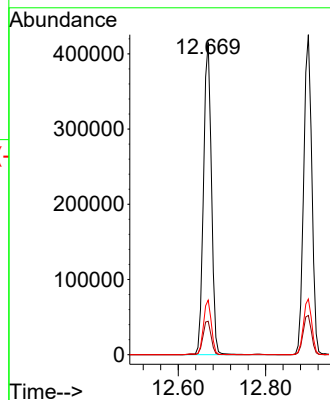
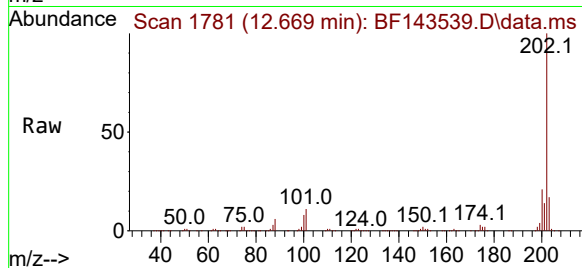




#75
Fluoranthene
Concen: 40.959 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

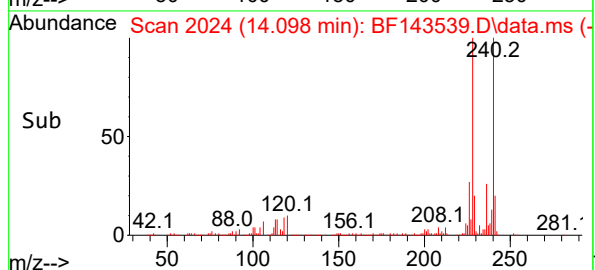
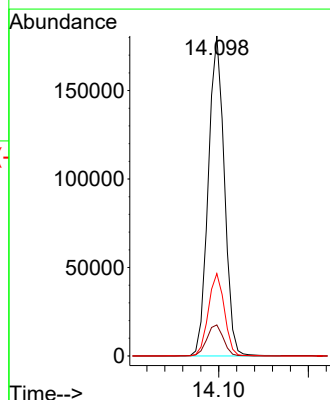
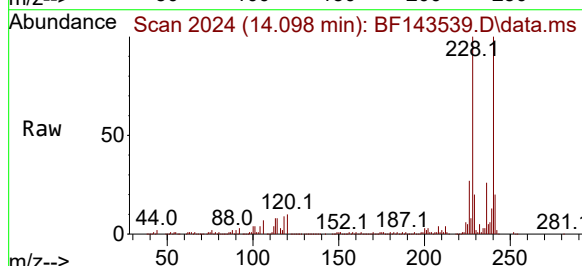
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

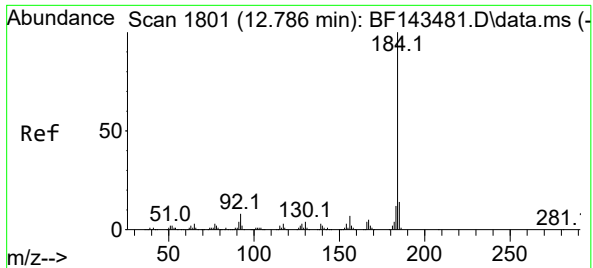
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.3
203	17.5	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.6	12.8
236	25.8	20.4	30.6





#77

Benzidine

Concen: 35.773 ng

RT: 12.786 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

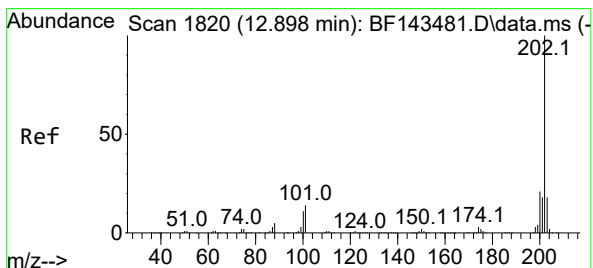
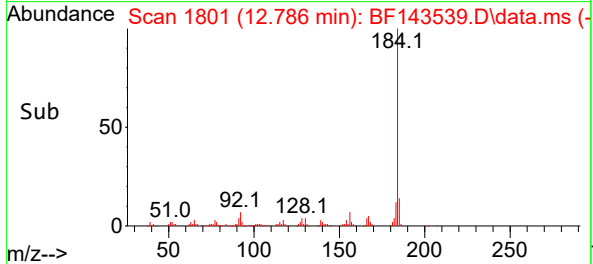
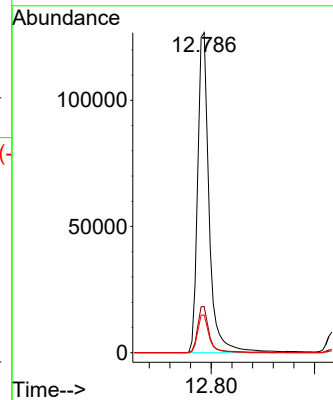
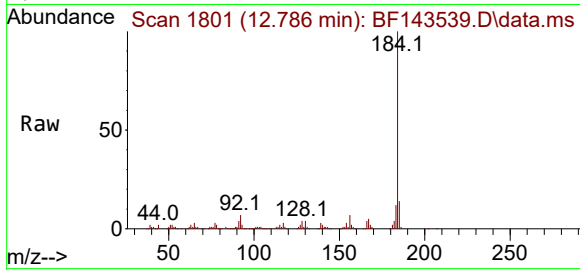
Tgt Ion:184 Resp: 195722

Ion Ratio Lower Upper

184 100

185 14.4 11.3 16.9

183 11.8 9.5 14.3



#78

Pyrene

Concen: 29.545 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

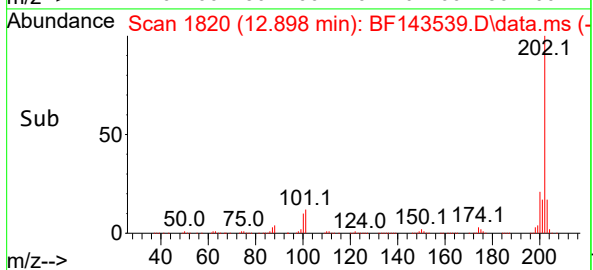
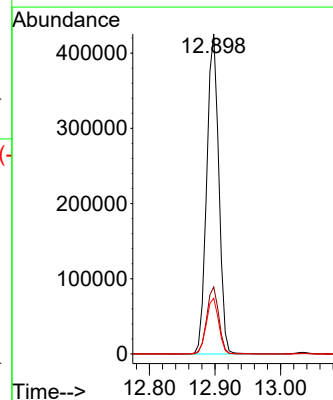
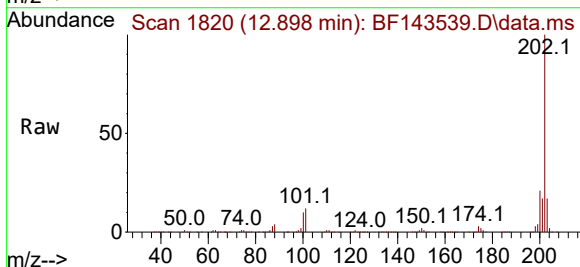
Tgt Ion:202 Resp: 545878

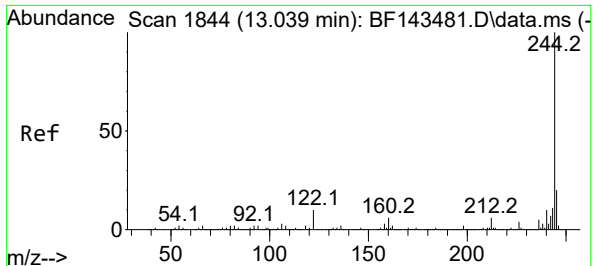
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 62.064 ng

RT: 13.033 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

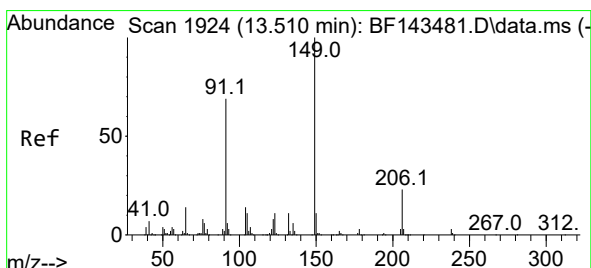
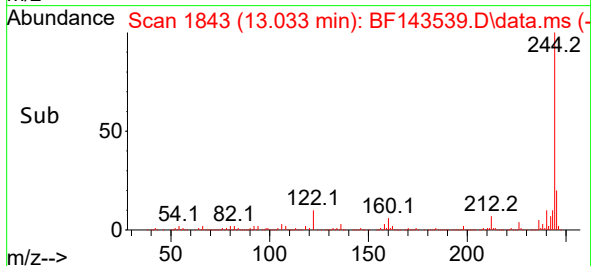
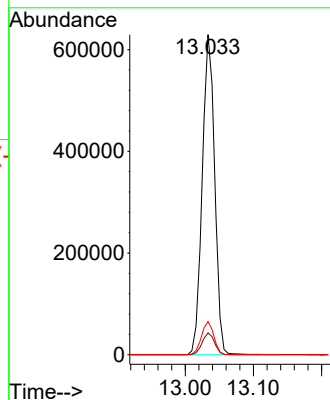
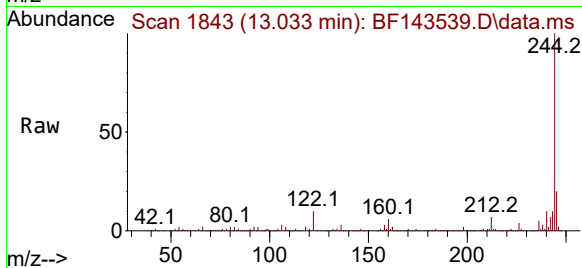
Tgt Ion:244 Resp: 798863

Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

122 10.3 7.9 11.9



#80

Butylbenzylphthalate

Concen: 44.044 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

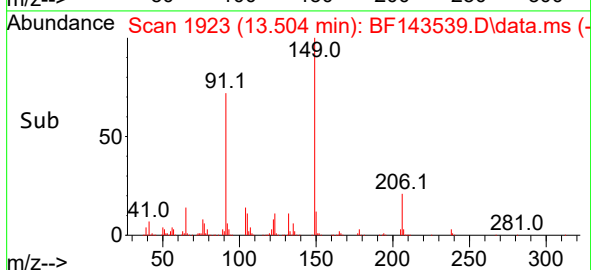
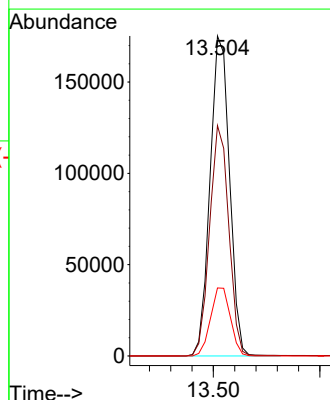
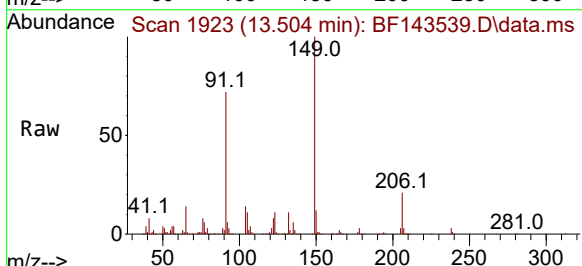
Tgt Ion:149 Resp: 222304

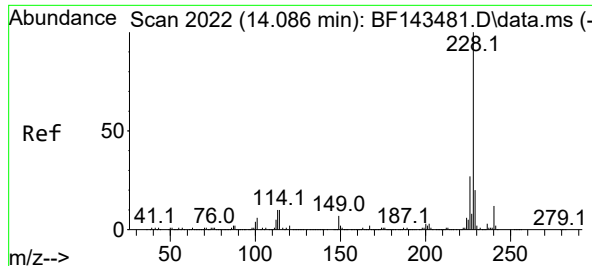
Ion Ratio Lower Upper

149 100

91 72.0 55.3 82.9

206 21.3 18.2 27.4





#81

Benzo(a)anthracene

Concen: 39.132 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

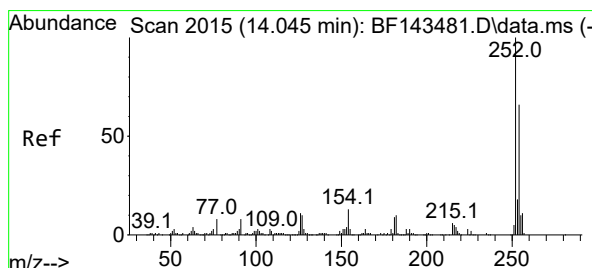
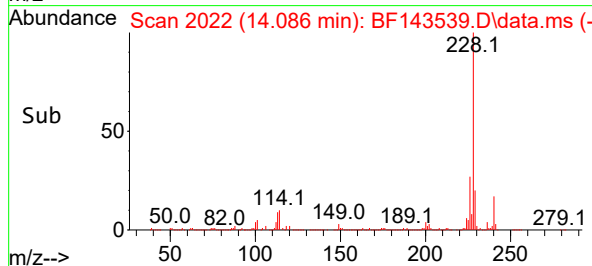
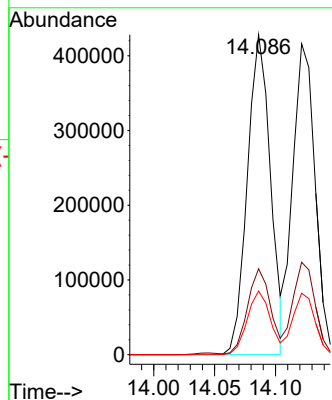
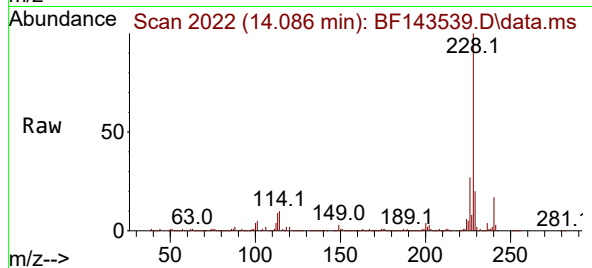
Tgt Ion:228 Resp: 565876

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 19.9 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 42.194 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

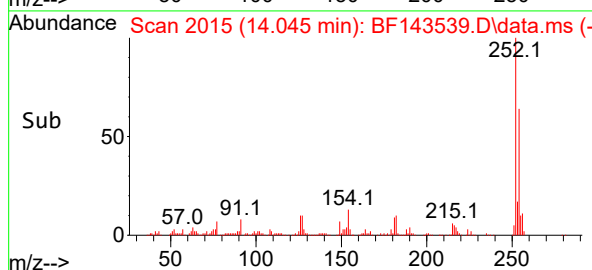
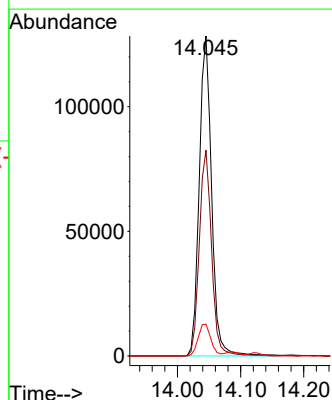
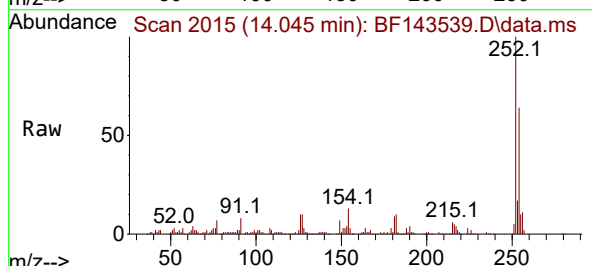
Tgt Ion:252 Resp: 174738

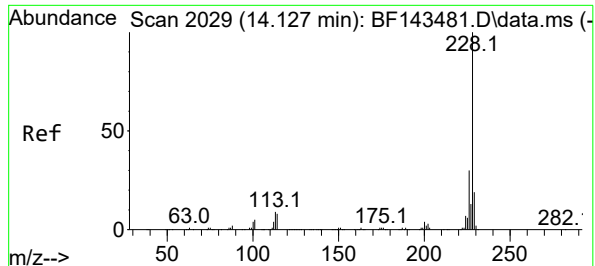
Ion Ratio Lower Upper

252 100

254 64.3 52.6 79.0

126 10.0 8.7 13.1





#83

Chrysene

Concen: 41.167 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

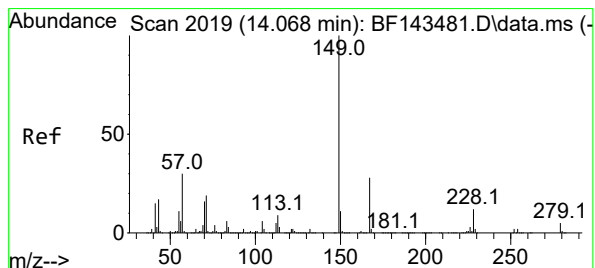
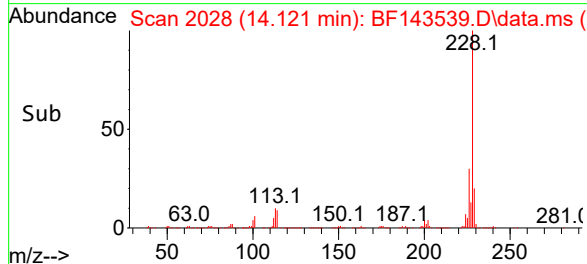
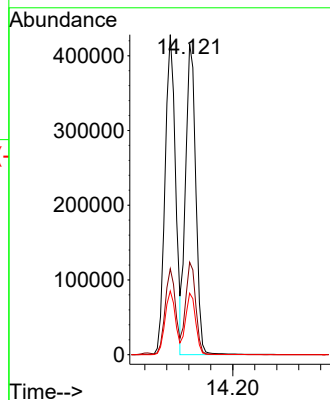
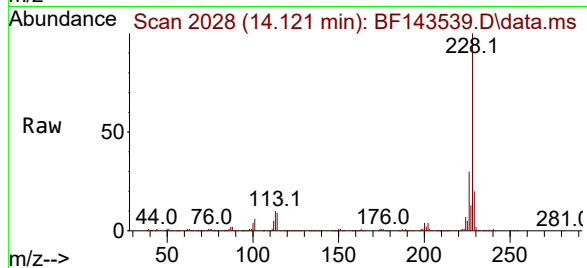
Tgt Ion:228 Resp: 534990

Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.053 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

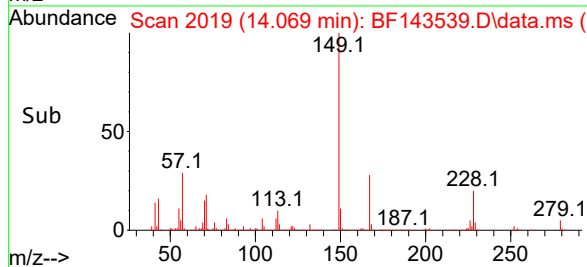
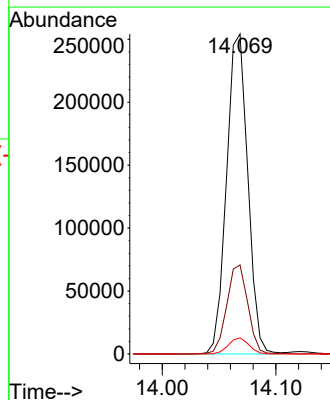
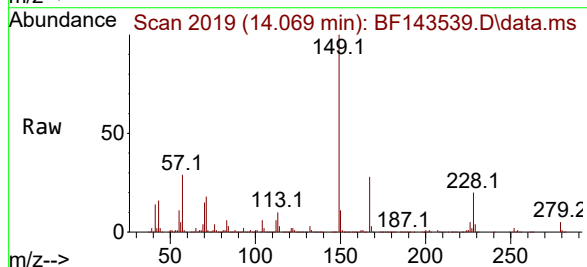
Tgt Ion:149 Resp: 330969

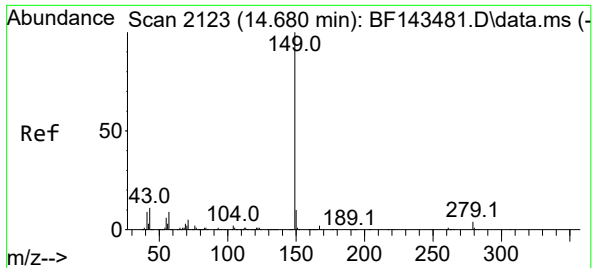
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.2

279 5.0 3.6 5.4

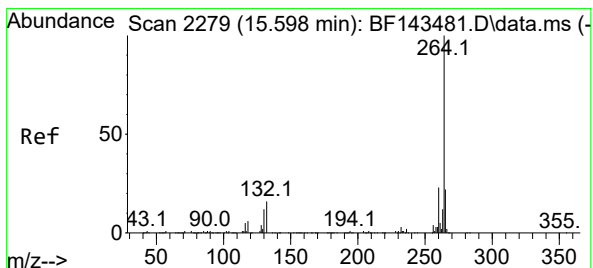
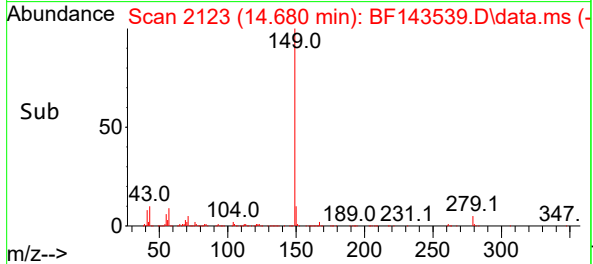
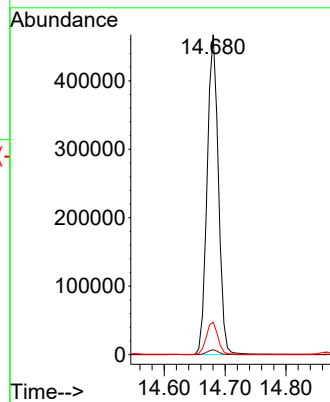
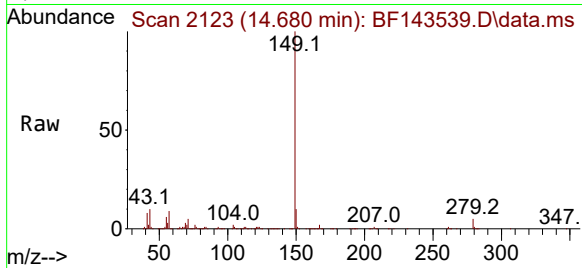




#85
Di-n-octyl phthalate
Concen: 42.167 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

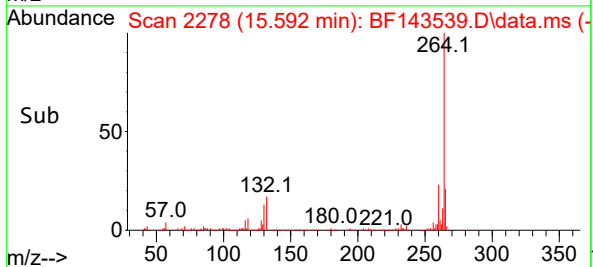
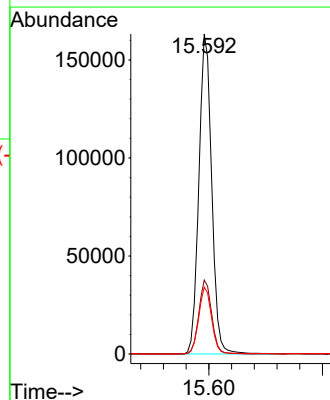
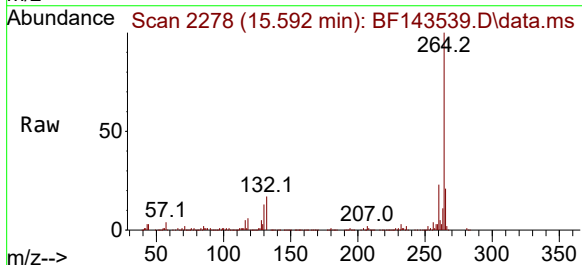
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

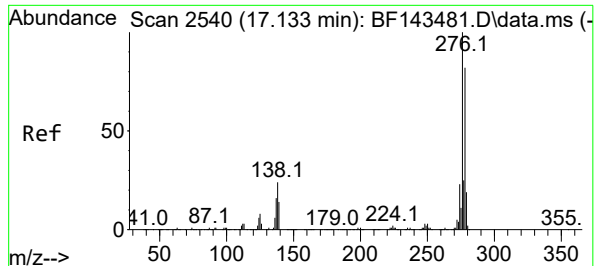
Tgt Ion:149 Resp: 600507
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.3 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:264 Resp: 256535
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 20.9 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 28.150 ng

RT: 17.121 min Scan# 2538

Delta R.T. -0.018 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

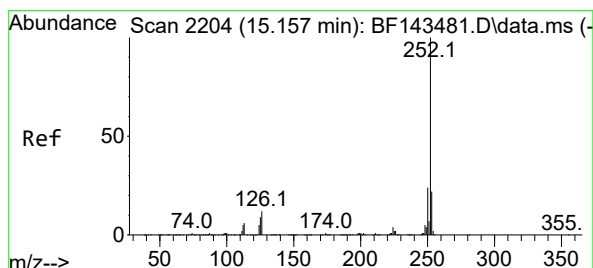
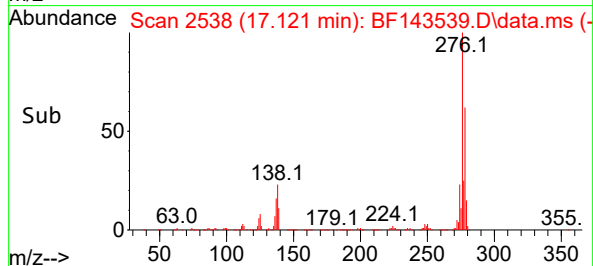
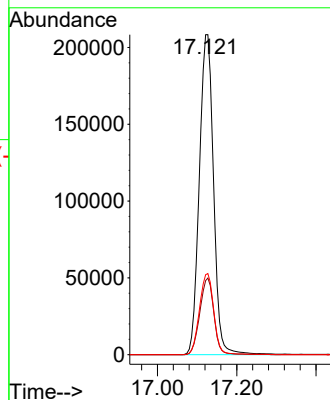
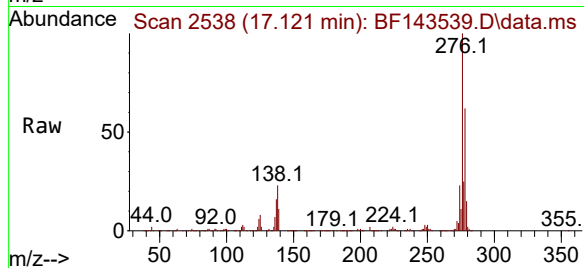
Tgt Ion:276 Resp: 518934

Ion Ratio Lower Upper

276 100

138 23.6 19.2 28.8

277 25.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 42.428 ng

RT: 15.157 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

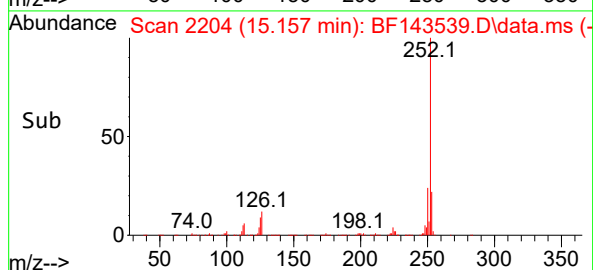
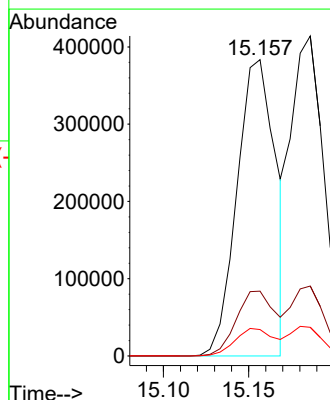
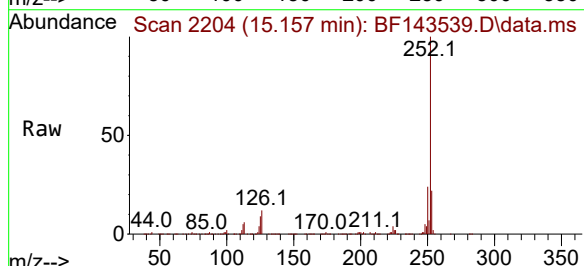
Tgt Ion:252 Resp: 605018

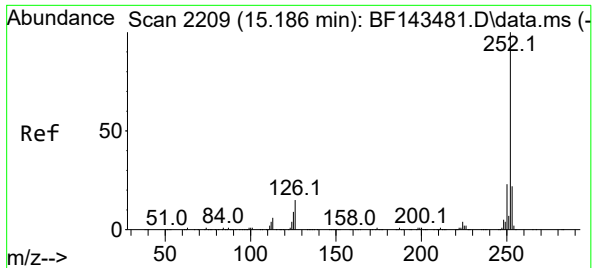
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 41.559 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

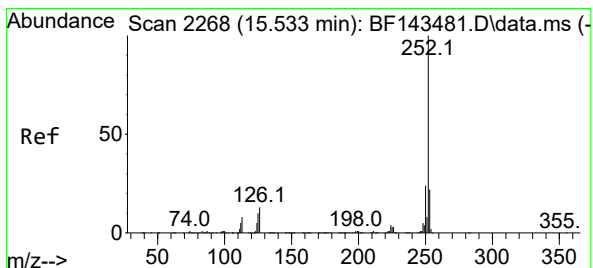
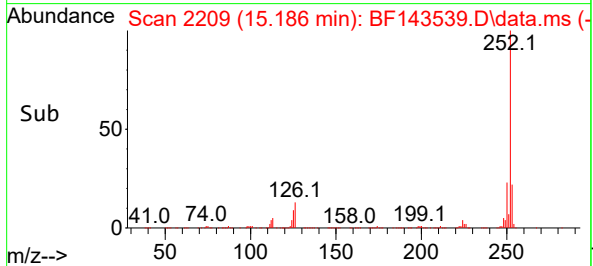
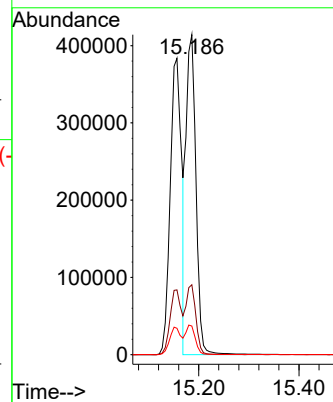
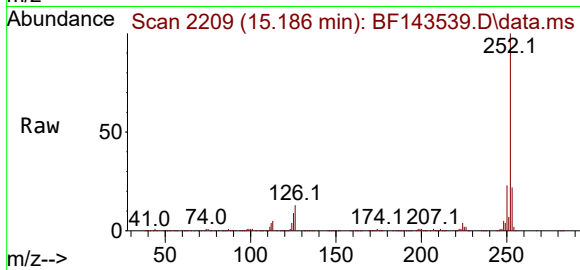
Tgt Ion:252 Resp: 567409

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 8.9 7.4 11.0



#90

Benzo(a)pyrene

Concen: 40.352 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

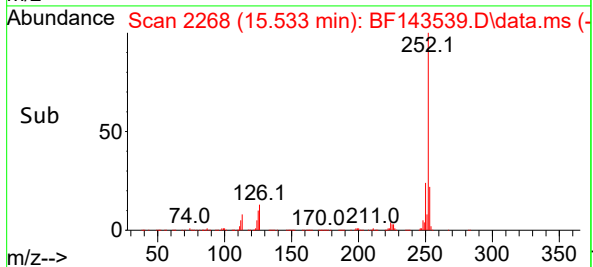
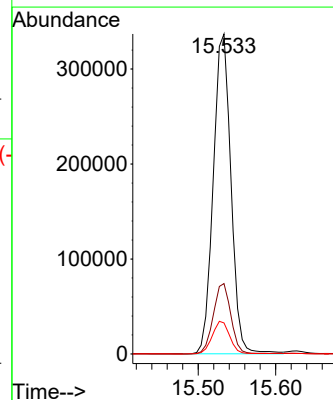
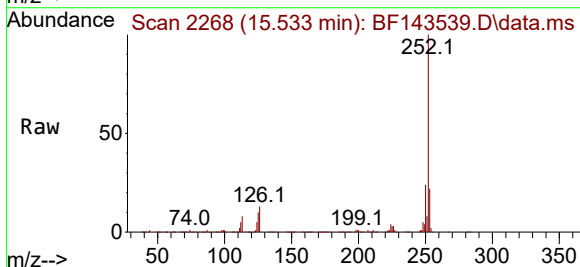
Tgt Ion:252 Resp: 534103

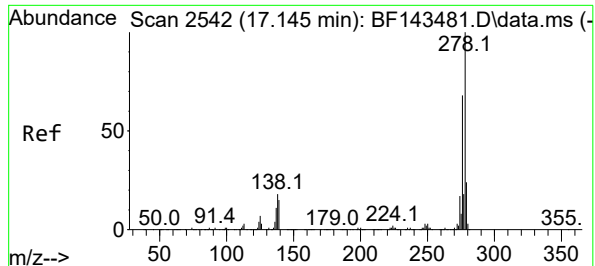
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 9.7 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 29.070 ng

RT: 17.133 min Scan# 2540

Delta R.T. -0.023 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

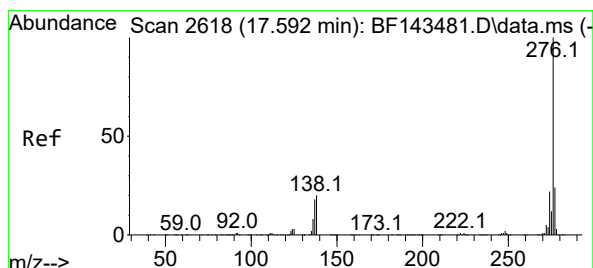
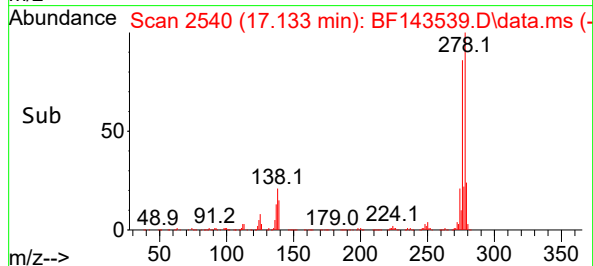
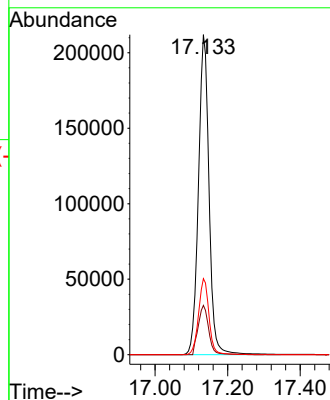
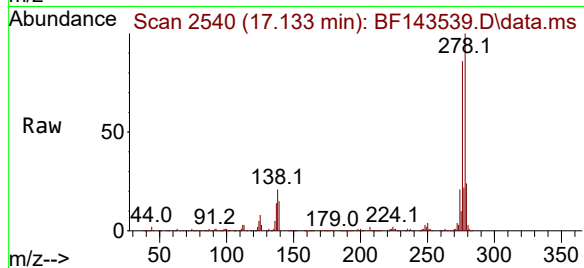
Tgt Ion:278 Resp: 429182

Ion Ratio Lower Upper

278 100

139 15.4 12.1 18.1

279 23.8 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 25.578 ng

RT: 17.580 min Scan# 2616

Delta R.T. -0.023 min

Lab File: BF143539.D

Acq: 21 Aug 2025 19:32

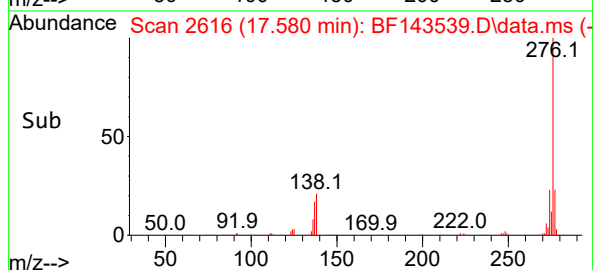
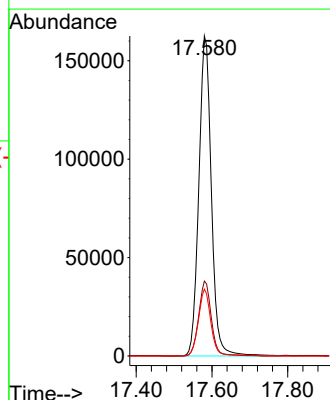
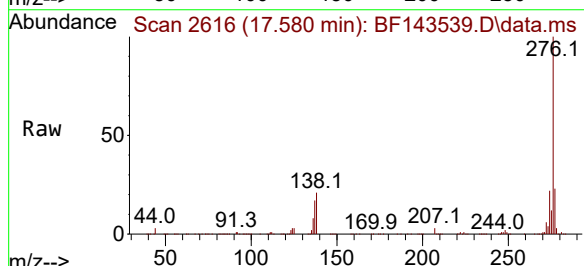
Tgt Ion:276 Resp: 375504

Ion Ratio Lower Upper

276 100

277 23.4 18.9 28.3

138 20.9 16.3 24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
2	1,4-Dioxane	0.531	0.518	2.4	78	0.00
3	Pyridine	1.413	1.378	2.5	77	0.00
4	n-Nitrosodimethylamine	0.635	0.633	0.3	79	-0.02
5 S	2-Fluorophenol	1.145	1.138	0.6	80	0.00
6	Aniline	1.890	1.816	3.9	77	0.00
7 S	Phenol-d6	1.414	1.375	2.8	78	-0.01
8	2-Chlorophenol	1.265	1.247	1.4	79	0.00
9	Benzaldehyde	1.145	1.334	-16.5	89	0.00
10 C	Phenol	1.629	1.605	1.5	78	-0.01
11	bis(2-Chloroethyl)ether	1.217	1.180	3.0	78	0.00
12	1,3-Dichlorobenzene	1.421	1.381	2.8	78	0.00
13 C	1,4-Dichlorobenzene	1.426	1.405	1.5	80	0.00
14	1,2-Dichlorobenzene	1.350	1.316	2.5	78	0.00
15	Benzyl Alcohol	1.059	1.057	0.2	78	0.00
16	2,2'-oxybis(1-Chloropropane	1.947	1.836	5.7	75	0.00
17	2-Methylphenol	1.015	0.989	2.6	78	0.00
18	Hexachloroethane	0.485	0.487	-0.4	80	0.00
19 P	n-Nitroso-di-n-propylamine	0.864	0.843	2.4	80	-0.01
20	3+4-Methylphenols	1.212	1.209	0.2	80	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	77	0.00
22	Acetophenone	0.432	0.430	0.5	79	0.00
23 S	Nitrobenzene-d5	0.343	0.348	-1.5	78	-0.01
24	Nitrobenzene	0.353	0.363	-2.8	79	0.00
25	Isophorone	0.628	0.636	-1.3	79	-0.01
26 C	2-Nitrophenol	0.173	0.179	-3.5	78	0.00
27	2,4-Dimethylphenol	0.269	0.267	0.7	76	0.00
28	bis(2-Chloroethoxy)methane	0.386	0.385	0.3	77	0.00
29 C	2,4-Dichlorophenol	0.288	0.283	1.7	76	0.00
30	1,2,4-Trichlorobenzene	0.296	0.292	1.4	77	0.00
31	Naphthalene	0.960	0.942	1.9	77	0.00
32	Benzoic acid	0.137	0.118	13.9	63	-0.04
33	4-Chloroaniline	0.341	0.329	3.5	74	0.00
34 C	Hexachlorobutadiene	0.193	0.196	-1.6	79	0.00
35	Caprolactam	0.069	0.076	-10.1	82	-0.04
36 C	4-Chloro-3-methylphenol	0.288	0.279	3.1	75	0.00
37	2-Methylnaphthalene	0.641	0.620	3.3	75	0.00
38	1-Methylnaphthalene	0.613	0.583	4.9	75	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	70	0.00
40	1,2,4,5-Tetrachlorobenzene	0.572	0.595	-4.0	74	0.00
41 P	Hexachlorocyclopentadiene	0.184	0.203	-10.3	72	0.00
42 S	2,4,6-Tribromophenol	0.186	0.167	10.2	62	0.00
43 C	2,4,6-Trichlorophenol	0.352	0.369	-4.8	71	0.00
44	2,4,5-Trichlorophenol	0.385	0.387	-0.5	71	0.00
45 S	2-Fluorobiphenyl	1.210	1.266	-4.6	77	0.00
46	1,1'-Biphenyl	1.420	1.484	-4.5	74	0.00
47	2-Chloronaphthalene	1.114	1.142	-2.5	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.326	0.339	-4.0	70	0.00
49	Acenaphthylene	1.595	1.612	-1.1	71	0.00
50	Dimethylphthalate	1.205	1.333	-10.6	78	0.00
51	2,6-Dinitrotoluene	0.250	0.267	-6.8	72	-0.01
52 C	Acenaphthene	1.083	1.076	0.6	70	0.00
53	3-Nitroaniline	0.270	0.274	-1.5	69	0.00
54 P	2,4-Dinitrophenol	0.115	0.095	17.4	55	0.00
55	Dibenzofuran	1.544	1.507	2.4	69	0.00
56 P	4-Nitrophenol	0.161	0.175	-8.7	71	0.00
57	2,4-Dinitrotoluene	0.333	0.340	-2.1	68	-0.01
58	Fluorene	1.188	1.140	4.0	69	0.00
59	2,3,4,6-Tetrachlorophenol	0.286	0.270	5.6	64	0.00
60	Diethylphthalate	1.080	1.180	-9.3	76	0.00
61	4-Chlorophenyl-phenylether	0.594	0.588	1.0	70	0.00
62	4-Nitroaniline	0.248	0.244	1.6	67	-0.01
63	Azobenzene	1.120	1.091	2.6	68	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	61	0.00
65	4,6-Dinitro-2-methylphenol	0.113	0.091	19.5	47#	-0.01
66 c	n-Nitrosodiphenylamine	0.644	0.713	-10.7	68	0.00
67	4-Bromophenyl-phenylether	0.239	0.259	-8.4	66	0.00
68	Hexachlorobenzene	0.257	0.263	-2.3	62	0.00
69	Atrazine	0.166	0.212	-27.7#	77	0.00
70 C	Pentachlorophenol	0.118	0.244	-106.8#	120	0.00
71	Phenanthrene	1.071	1.070	0.1	63	0.00
72	Anthracene	1.085	1.084	0.1	62	0.00
73	Carbazole	0.889	0.901	-1.3	62	0.00
74	Di-n-butylphthalate	0.829	1.069	-29.0#	77	0.00
75 C	Fluoranthene	0.961	0.984	-2.4	63	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	90	0.00
77	Benzydine	0.487	0.436	10.5	76	0.00
78	Pyrene	1.645	1.215	26.1#	67	0.00
79 S	Terphenyl-d14	1.146	0.889	22.4	71	0.00
80	Butylbenzylphthalate	0.449	0.495	-10.2	95	0.00
81	Benzo(a)anthracene	1.288	1.260	2.2	86	0.00
82	3,3'-Dichlorobenzidine	0.369	0.389	-5.4	94	0.00
83	Chrysene	1.157	1.191	-2.9	96	0.00
84	Bis(2-ethylhexyl)phthalate	0.685	0.737	-7.6	93	0.00
85 c	Di-n-octyl phthalate	1.268	1.337	-5.4	93	0.00
86 I	Perylene-d12	1.000	1.000	0.0	89	0.00
87	Indeno(1,2,3-cd)pyrene	1.437	1.011	29.6#	62	-0.02
88	Benzo(b)fluoranthene	1.112	1.179	-6.0	98	0.00
89	Benzo(k)fluoranthene	1.064	1.106	-3.9	91	0.00
90 C	Benzo(a)pyrene	1.032	1.041	-0.9	90	0.00
91	Dibenzo(a,h)anthracene	1.151	0.836	27.4#	64	-0.02
92	Benzo(g,h,i)perylene	1.145	0.732	36.1#	56	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	80	0.00
2	1,4-Dioxane	40.000	39.072	2.3	78	0.00
3	Pyridine	40.000	39.009	2.5	77	0.00
4	n-Nitrosodimethylamine	40.000	39.860	0.4	79	-0.02
5 S	2-Fluorophenol	80.000	79.470	0.7	80	0.00
6	Aniline	40.000	38.435	3.9	77	0.00
7 S	Phenol-d6	80.000	77.784	2.8	78	-0.01
8	2-Chlorophenol	40.000	39.418	1.5	79	0.00
9	Benzaldehyde	40.000	46.616	-16.5	89	0.00
10 C	Phenol	40.000	39.425	1.4	78	-0.01
11	bis(2-Chloroethyl)ether	40.000	38.774	3.1	78	0.00
12	1,3-Dichlorobenzene	40.000	38.875	2.8	78	0.00
13 C	1,4-Dichlorobenzene	40.000	39.416	1.5	80	0.00
14	1,2-Dichlorobenzene	40.000	39.005	2.5	78	0.00
15	Benzyl Alcohol	40.000	39.937	0.2	78	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.707	5.7	75	0.00
17	2-Methylphenol	40.000	38.978	2.6	78	0.00
18	Hexachloroethane	40.000	40.177	-0.4	80	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.035	2.4	80	-0.01
20	3+4-Methylphenols	40.000	39.911	0.2	80	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	77	0.00
22	Acetophenone	40.000	39.831	0.4	79	0.00
23 S	Nitrobenzene-d5	80.000	81.337	-1.7	78	-0.01
24	Nitrobenzene	40.000	41.188	-3.0	79	0.00
25	Isophorone	40.000	40.481	-1.2	79	-0.01
26 C	2-Nitrophenol	40.000	41.538	-3.8	78	0.00
27	2,4-Dimethylphenol	40.000	39.611	1.0	76	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.904	0.2	77	0.00
29 C	2,4-Dichlorophenol	40.000	39.400	1.5	76	0.00
30	1,2,4-Trichlorobenzene	40.000	39.508	1.2	77	0.00
31	Naphthalene	40.000	39.258	1.9	77	0.00
32	Benzoic acid	40.000	32.943	17.6	63	-0.04
33	4-Chloroaniline	40.000	38.570	3.6	74	0.00
34 C	Hexachlorobutadiene	40.000	40.705	-1.8	79	0.00
35	Caprolactam	40.000	43.789	-9.5	82	-0.04
36 C	4-Chloro-3-methylphenol	40.000	38.769	3.1	75	0.00
37	2-Methylnaphthalene	40.000	38.680	3.3	75	0.00
38	1-Methylnaphthalene	40.000	38.013	5.0	75	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	70	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.583	-4.0	74	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.008	-0.0	72	0.00
42 S	2,4,6-Tribromophenol	80.000	71.678	10.4	62	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.956	-4.9	71	0.00
44	2,4,5-Trichlorophenol	40.000	40.224	-0.6	71	0.00
45 S	2-Fluorobiphenyl	80.000	83.673	-4.6	77	0.00
46	1,1'-Biphenyl	40.000	41.811	-4.5	74	0.00
47	2-Chloronaphthalene	40.000	41.011	-2.5	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.582	-4.0	70	0.00
49	Acenaphthylene	40.000	40.434	-1.1	71	0.00
50	Dimethylphthalate	40.000	44.261	-10.7	78	0.00
51	2,6-Dinitrotoluene	40.000	42.723	-6.8	72	-0.01
52 C	Acenaphthene	40.000	39.741	0.6	70	0.00
53	3-Nitroaniline	40.000	40.609	-1.5	69	0.00
54 P	2,4-Dinitrophenol	40.000	31.881	20.3	55	0.00
55	Dibenzofuran	40.000	39.052	2.4	69	0.00
56 P	4-Nitrophenol	40.000	43.542	-8.9	71	0.00
57	2,4-Dinitrotoluene	40.000	40.847	-2.1	68	-0.01
58	Fluorene	40.000	38.364	4.1	69	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	37.783	5.5	64	0.00
60	Diethylphthalate	40.000	43.716	-9.3	76	0.00
61	4-Chlorophenyl-phenylether	40.000	39.562	1.1	70	0.00
62	4-Nitroaniline	40.000	39.469	1.3	67	-0.01
63	Azobenzene	40.000	38.969	2.6	68	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	61	0.00
65	4,6-Dinitro-2-methylphenol	40.000	32.117	19.7	47	-0.01
66 c	n-Nitrosodiphenylamine	40.000	44.307	-10.8	68	0.00
67	4-Bromophenyl-phenylether	40.000	43.446	-8.6	66	0.00
68	Hexachlorobenzene	40.000	40.894	-2.2	62	0.00
69	Atrazine	40.000	51.067	-27.7#	77	0.00
70 C	Pentachlorophenol	40.000	82.680	-106.7#	120	0.00
71	Phenanthrene	40.000	39.974	0.1	63	0.00
72	Anthracene	40.000	39.947	0.1	62	0.00
73	Carbazole	40.000	40.531	-1.3	62	0.00
74	Di-n-butylphthalate	40.000	51.539	-28.8#	77	0.00
75 C	Fluoranthene	40.000	40.959	-2.4	63	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	90	0.00
77	Benzydine	40.000	35.773	10.6	76	0.00
78	Pyrene	40.000	29.545	26.1#	67	0.00
79 S	Terphenyl-d14	80.000	62.064	22.4	71	0.00
80	Butylbenzylphthalate	40.000	44.044	-10.1	95	0.00
81	Benzo(a)anthracene	40.000	39.132	2.2	86	0.00
82	3,3'-Dichlorobenzidine	40.000	42.194	-5.5	94	0.00
83	Chrysene	40.000	41.167	-2.9	96	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.053	-7.6	93	0.00
85 c	Di-n-octyl phthalate	40.000	42.167	-5.4	93	0.00
86 I	Perylene-d12	20.000	20.000	0.0	89	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	28.150	29.6#	62	-0.02
88	Benzo(b)fluoranthene	40.000	42.428	-6.1	98	0.00
89	Benzo(k)fluoranthene	40.000	41.559	-3.9	91	0.00
90 C	Benzo(a)pyrene	40.000	40.352	-0.9	90	0.00
91	Dibenzo(a,h)anthracene	40.000	29.070	27.3#	64	-0.02
92	Benzo(g,h,i)perylene	40.000	25.578	36.1#	56	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/15/2025 10:36</u>
Lab File ID:	<u>BP025422.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.169		-2.9	
Benzaldehyde	1.082	1.423		31.5	
Phenol-d6	1.544	1.519		-1.6	
Phenol	1.620	1.590		-1.9	20.0
bis(2-Chloroethyl)ether	1.263	1.245		-1.4	
2-Chlorophenol	1.359	1.343		-1.2	
2-Methylphenol	1.125	1.118		-0.6	
2,2-oxybis(1-Chloropropane)	1.692	1.704		0.7	
Acetophenone	0.502	0.486		-3.2	
3+4-Methylphenols	1.560	1.543		-1.1	
n-Nitroso-di-n-propylamine	1.023	1.005	0.050	-1.8	
Nitrobenzene-d5	0.395	0.392		-0.8	
Hexachloroethane	0.563	0.557		-1.1	
Nitrobenzene	0.353	0.352		-0.3	
Isophorone	0.700	0.671		-4.1	
2-Nitrophenol	0.181	0.179		-1.1	20.0
2,4-Dimethylphenol	0.312	0.304		-2.6	
bis(2-Chloroethoxy)methane	0.423	0.405		-4.3	
2,4-Dichlorophenol	0.310	0.300		-3.2	20.0
Naphthalene	1.040	0.996		-4.2	
4-Chloroaniline	0.459	0.450		-2.0	
Hexachlorobutadiene	0.211	0.204		-3.3	20.0
Caprolactam	0.114	0.108		-5.3	
4-Chloro-3-methylphenol	0.355	0.345		-2.8	20.0
2-Methylnaphthalene	0.676	0.646		-4.4	
Hexachlorocyclopentadiene	0.349	0.352	0.050	0.9	
2,4,6-Trichlorophenol	0.390	0.383		-1.8	20.0
2-Fluorobiphenyl	1.463	1.380		-5.7	
2,4,5-Trichlorophenol	0.427	0.424		-0.7	
1,1-Biphenyl	1.453	1.404		-3.4	
2-Chloronaphthalene	1.131	1.096		-3.1	
2-Nitroaniline	0.329	0.337		2.4	
Dimethylphthalate	1.465	1.393		-4.9	
Acenaphthylene	1.871	1.799		-3.8	
2,6-Dinitrotoluene	0.309	0.314		1.6	
3-Nitroaniline	0.347	0.348		0.3	
Acenaphthene	1.098	1.035		-5.7	20.0
2,4-Dinitrophenol	0.165	0.164	0.050	-0.6	
4-Nitrophenol	0.285	0.284	0.050	-0.4	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_P Calibration Date/Time: 08/15/2025 10:36
 Lab File ID: BP025422.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.628		-6.2	
2,4-Dinitrotoluene	0.440	0.446		1.4	
Diethylphthalate	1.488	1.416		-4.8	
4-Chlorophenyl-phenylether	0.681	0.628		-7.8	
Fluorene	1.370	1.272		-7.2	
4-Nitroaniline	0.356	0.351		-1.4	
4,6-Dinitro-2-methylphenol	0.125	0.122		-2.4	
n-Nitrosodiphenylamine	0.610	0.587		-3.8	20.0
2,4,6-Tribromophenol	0.269	0.264		-1.9	
4-Bromophenyl-phenylether	0.220	0.210		-4.5	
Hexachlorobenzene	0.255	0.242		-5.1	
Atrazine	0.228	0.216		-5.3	
Pentachlorophenol	0.161	0.164		1.9	20.0
Phenanthrene	1.099	1.040		-5.4	
Anthracene	1.122	1.069		-4.7	
Carbazole	1.057	0.992		-6.1	
Di-n-butylphthalate	1.300	1.246		-4.2	
Fluoranthene	1.311	1.236		-5.7	20.0
Pyrene	1.300	1.231		-5.3	
Terphenyl-d14	1.093	1.026		-6.1	
Butylbenzylphthalate	0.589	0.555		-5.8	
3,3-Dichlorobenzidine	0.497	0.473		-4.8	
Benzo (a) anthracene	1.319	1.247		-5.5	
Chrysene	1.235	1.170		-5.3	
Bis (2-ethylhexyl) phthalate	0.867	0.803		-7.4	
Di-n-octyl phthalate	1.492	1.381		-7.4	20.0
Benzo (b) fluoranthene	1.179	1.145		-2.9	
Benzo (k) fluoranthene	1.180	1.134		-3.9	
Benzo (a) pyrene	1.148	1.114		-3.0	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.433		-2.3	
Dibenzo (a,h) anthracene	1.199	1.183		-1.3	
Benzo (g,h,i) perylene	1.178	1.156		-1.9	
1,2,4,5-Tetrachlorobenzene	0.578	0.559		-3.3	
1,4-Dioxane	0.472	0.440		-6.8	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.377		0.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025422.D
 Acq On : 15 Aug 2025 10:36
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	163210	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	699113	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	458301	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	913689	20.000	ng	0.00
76) Chrysene-d12	21.648	240	958309	20.000	ng	0.00
86) Perylene-d12	25.012	264	1096861	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	763443	77.682	ng	0.00
7) Phenol-d6	6.966	99	991544	78.694	ng	0.00
23) Nitrobenzene-d5	8.931	82	1096890	79.367	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	483517	78.381	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2530106	75.449	ng	0.00
79) Terphenyl-d14	19.918	244	3932091	75.070	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.331	88	143562	37.293	ng	98
3) Pyridine	3.725	79	405696	38.504	ng	96
4) n-Nitrosodimethylamine	3.637	42	179582	41.341	ng	98
6) Aniline	7.119	93	677656	39.917	ng	100
8) 2-Chlorophenol	7.360	128	438538	39.543	ng	98
9) Benzaldehyde	6.937	77	464483	52.616	ng	98
10) Phenol	6.990	94	518982	39.253	ng	97
11) bis(2-Chloroethyl)ether	7.213	93	406260	39.423	ng	98
12) 1,3-Dichlorobenzene	7.678	146	482648	39.468	ng	98
13) 1,4-Dichlorobenzene	7.819	146	483294	38.666	ng	98
14) 1,2-Dichlorobenzene	8.137	146	469905	38.837	ng	97
15) Benzyl Alcohol	8.019	79	402455	40.199	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	556083	40.282	ng	99
17) 2-Methylphenol	8.219	107	365027	39.752	ng	98
18) Hexachloroethane	8.860	117	181724	39.542	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	328037	39.304	ng	98
20) 3+4-Methylphenols	8.543	107	503552	39.561	ng	97
22) Acetophenone	8.595	105	680116	38.792	ng	98
24) Nitrobenzene	8.966	77	491654	39.805	ng	99
25) Isophorone	9.495	82	938896	38.387	ng	99
26) 2-Nitrophenol	9.672	139	250121	39.458	ng	98
27) 2,4-Dimethylphenol	9.737	122	425335	39.018	ng	98
28) bis(2-Chloroethoxy)met...	9.960	93	565633	38.258	ng	98
29) 2,4-Dichlorophenol	10.207	162	419343	38.724	ng	100
30) 1,2,4-Trichlorobenzene	10.419	180	450156	37.921	ng	98
31) Naphthalene	10.607	128	1392577	38.324	ng	100
32) Benzoic acid	9.872	122	303683	37.734	ng	94
33) 4-Chloroaniline	10.707	127	628608	39.164	ng	100
34) Hexachlorobutadiene	10.895	225	285751	38.652	ng	97
35) Caprolactam	11.489	113	150695	37.951	ng	96
36) 4-Chloro-3-methylphenol	11.825	107	482622	38.840	ng	98
37) 2-Methylnaphthalene	12.213	142	903084	38.190	ng	98
38) 1-Methylnaphthalene	12.431	142	941493	37.439	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	512464	38.717	ng	100
41) Hexachlorocyclopentadiene	12.566	237	322360	40.319	ng	98
43) 2,4,6-Trichlorophenol	12.819	196	351101	39.291	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025422.D
 Acq On : 15 Aug 2025 10:36
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

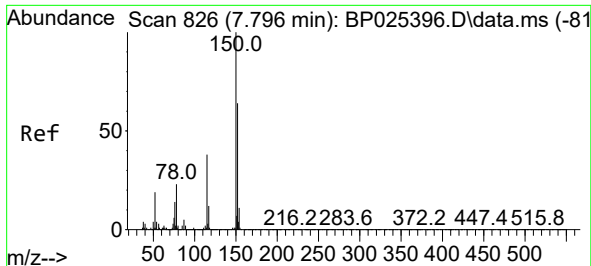
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 15 11:23:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

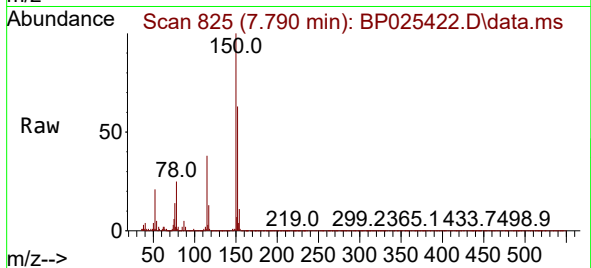
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	388369	39.656	ng	99
46) 1,1'-Biphenyl	13.225	154	1287182	38.672	ng	99
47) 2-Chloronaphthalene	13.266	162	1004850	38.780	ng	100
48) 2-Nitroaniline	13.466	65	308875	40.910	ng	98
49) Acenaphthylene	14.125	152	1648885	38.457	ng	100
50) Dimethylphthalate	13.854	163	1276659	38.040	ng	99
51) 2,6-Dinitrotoluene	13.966	165	287385	40.628	ng	98
52) Acenaphthene	14.472	154	949003m	37.707	ng	
53) 3-Nitroaniline	14.295	138	318681	40.043	ng	95
54) 2,4-Dinitrophenol	14.507	184	150322	39.794	ng	96
55) Dibenzofuran	14.813	168	1491927	37.495	ng	100
56) 4-Nitrophenol	14.607	139	260098	39.771	ng	93
57) 2,4-Dinitrotoluene	14.766	165	408919	40.518	ng	95
58) Fluorene	15.472	166	1165482	37.121	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.036	232	345273	39.927	ng	99
60) Diethylphthalate	15.236	149	1297841	38.058	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	575339	36.845	ng	95
62) 4-Nitroaniline	15.483	138	321438	39.397	ng	96
63) Azobenzene	15.760	77	1147009	39.282	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	223566	39.253	ng	96
66) n-Nitrosodiphenylamine	15.672	169	1073233	38.519	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	383814	38.195	ng	97
68) Hexachlorobenzene	16.495	284	442250	37.966	ng	98
69) Atrazine	16.654	200	395168	37.872	ng	98
70) Pentachlorophenol	16.842	266	299142	40.681	ng	96
71) Phenanthrene	17.248	178	1900372	37.862	ng	100
72) Anthracene	17.336	178	1953735	38.117	ng	99
73) Carbazole	17.613	167	1812820	37.549	ng	98
74) Di-n-butylphthalate	18.207	149	2277638	38.345	ng	100
75) Fluoranthene	19.324	202	2258336	37.721	ng	99
77) Benzidine	19.513	184	1861268	56.911	ng	99
78) Pyrene	19.701	202	2359709	37.884	ng	99
80) Butylbenzylphthalate	20.654	149	1064206	37.699	ng	96
81) Benzo(a)anthracene	21.630	228	2390024	37.816	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	906596	38.057	ng	99
83) Chrysene	21.695	228	2241792	37.876	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1539693	37.052	ng	100
85) Di-n-octyl phthalate	22.859	149	2645927	37.018	ng	99
87) Indeno(1,2,3-cd)pyrene	28.865	276	3143696	39.082	ng	98
88) Benzo(b)fluoranthene	23.942	252	2512340	38.843	ng	99
89) Benzo(k)fluoranthene	24.012	252	2488345	38.446	ng	99
90) Benzo(a)pyrene	24.853	252	2443181	38.805	ng	99
91) Dibenzo(a,h)anthracene	28.930	278	2595384	39.482	ng	98
92) Benzo(g,h,i)perylene	30.012	276	2536518	39.255	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

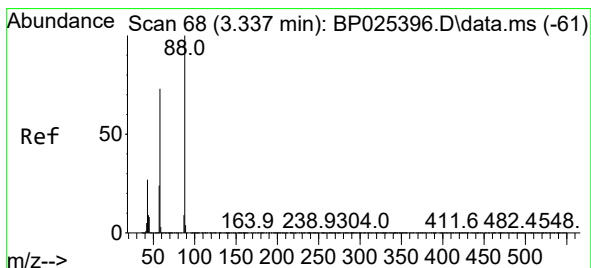
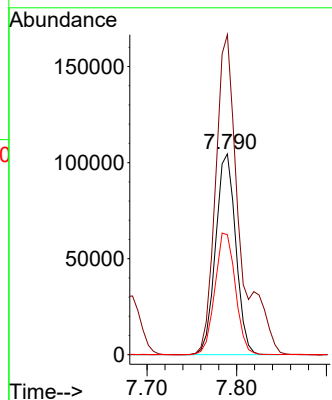
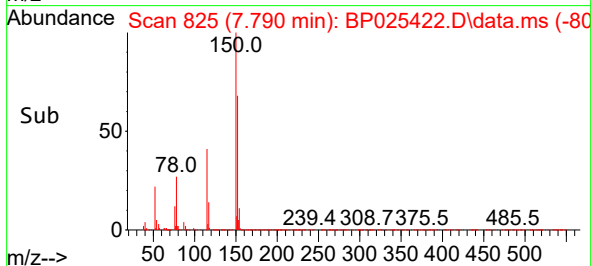
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 163210
Ion Ratio Lower Upper
152 100
150 159.4 125.9 188.9
115 59.8 48.5 72.7

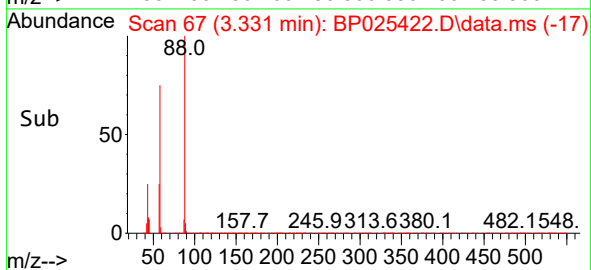
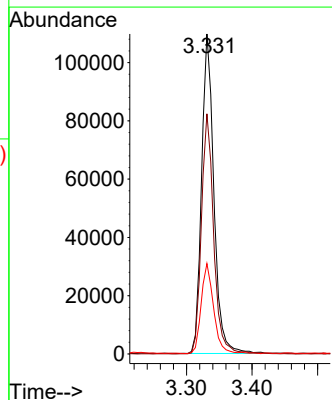
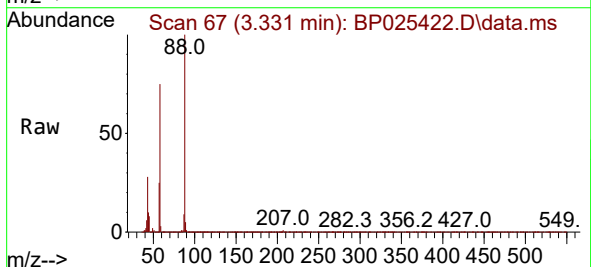
Manual Integrations
APPROVED

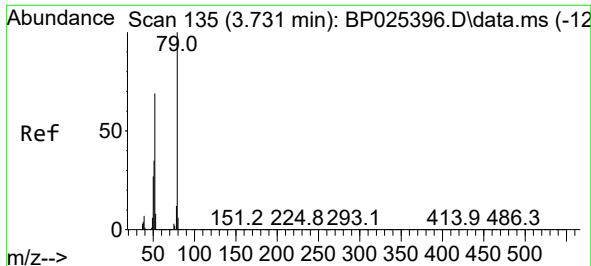
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#2
1,4-Dioxane
Concen: 37.293 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 88 Resp: 143562
Ion Ratio Lower Upper
88 100
58 75.3 59.2 88.8
43 28.6 21.7 32.5





#3

Pyridine

Concen: 38.504 ng

RT: 3.725 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

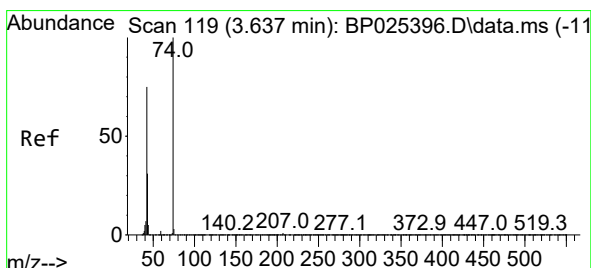
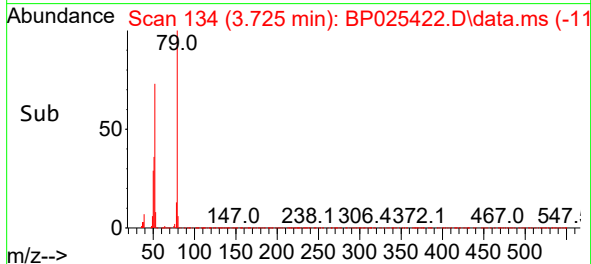
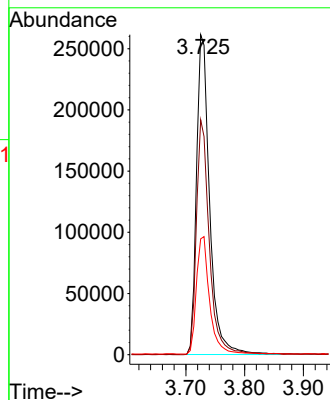
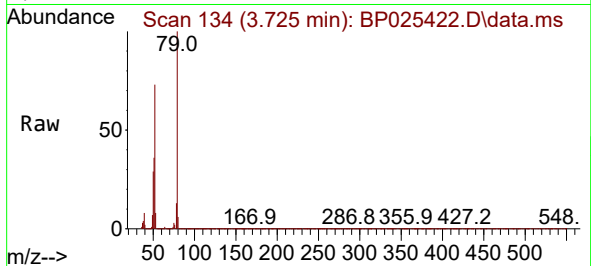
Tgt Ion: 79 Resp: 405690

Ion	Ratio	Lower	Upper
79	100		
52	73.4	55.5	83.3
51	36.2	28.3	42.5

Manual Integrations
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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#4

n-Nitrosodimethylamine

Concen: 41.341 ng

RT: 3.637 min Scan# 119

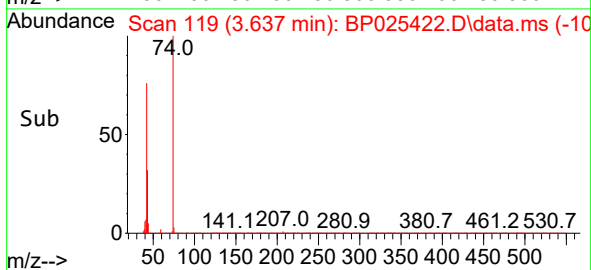
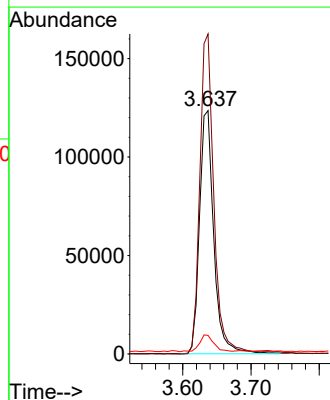
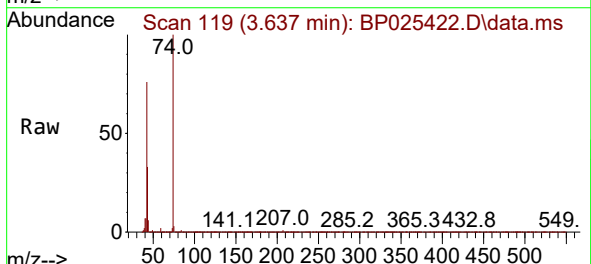
Delta R.T. -0.000 min

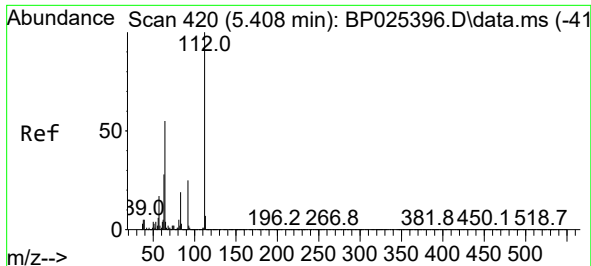
Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Tgt Ion: 42 Resp: 179582

Ion	Ratio	Lower	Upper
42	100		
74	131.5	107.0	160.4
44	7.6	6.2	9.4





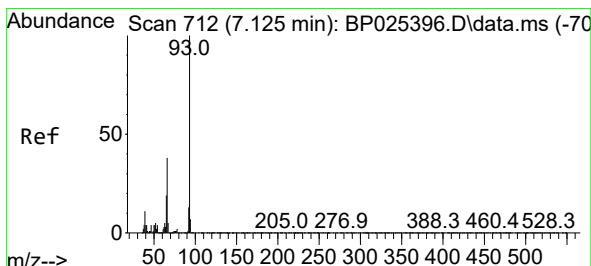
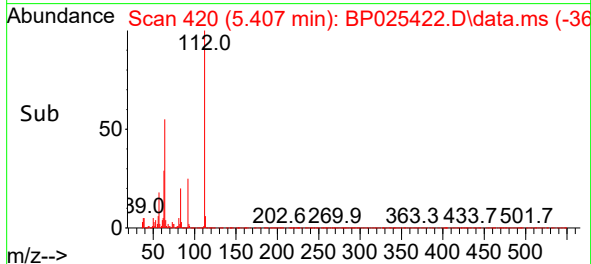
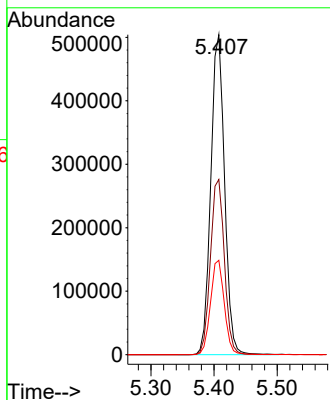
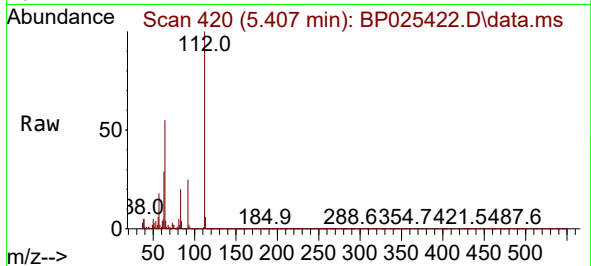
#5
2-Fluorophenol
Concen: 77.682 ng
RT: 5.407 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 112 Resp: 76344
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 29.5 22.7 34.1

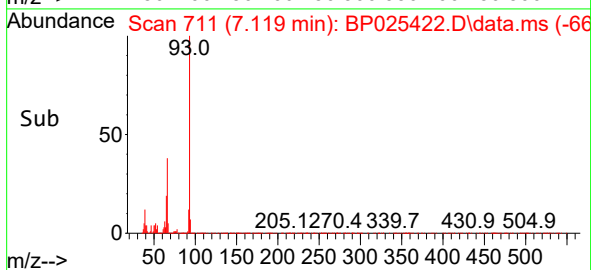
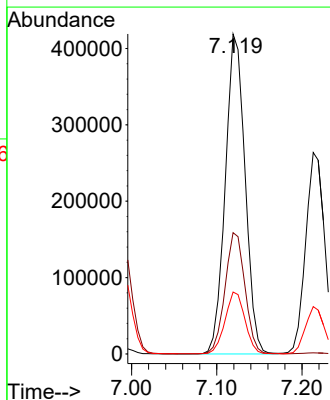
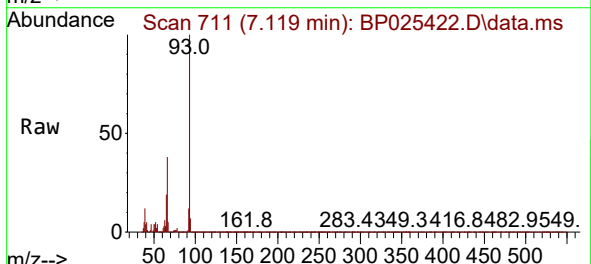
Manual Integrations
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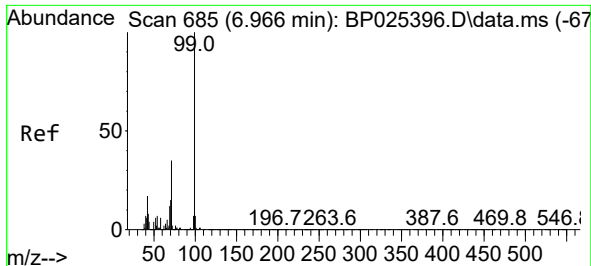
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#6
Aniline
Concen: 39.917 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

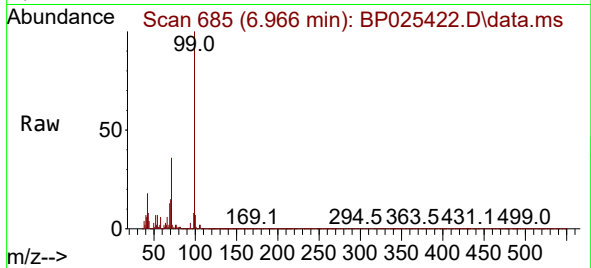
Tgt Ion: 93 Resp: 677656
Ion Ratio Lower Upper
93 100
66 37.9 30.4 45.6
65 19.4 15.3 22.9





#7
Phenol-d6
Concen: 78.694 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

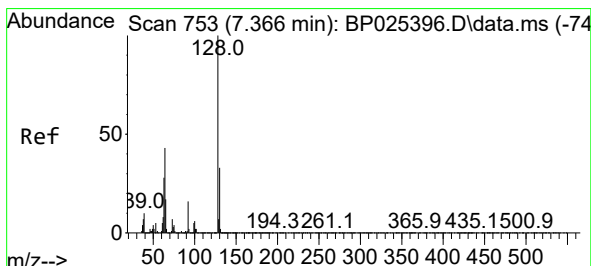
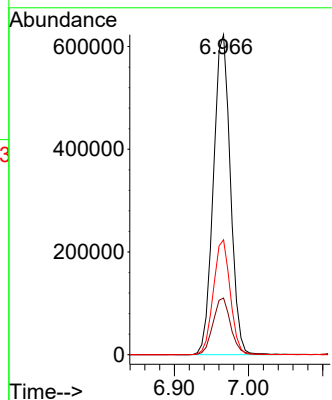
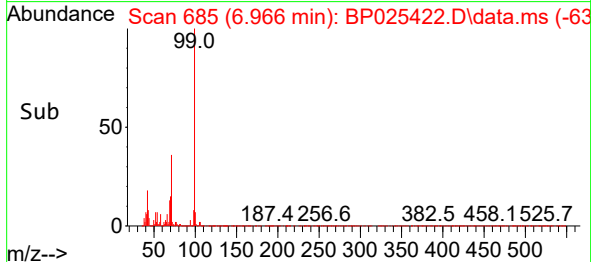
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



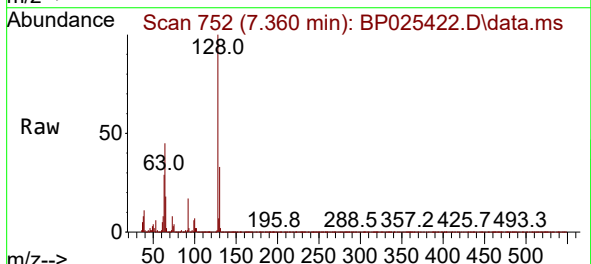
Tgt Ion: 99 Resp: 991544
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 35.9 28.2 42.4

Manual Integrations
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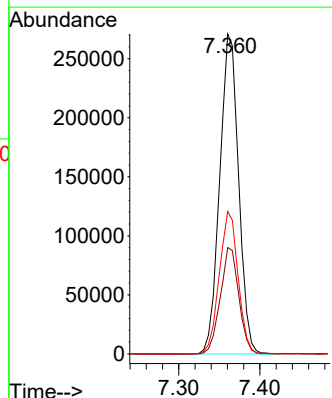
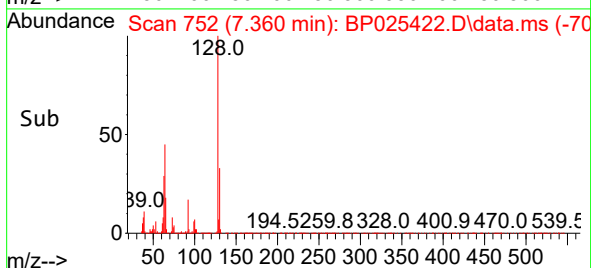
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

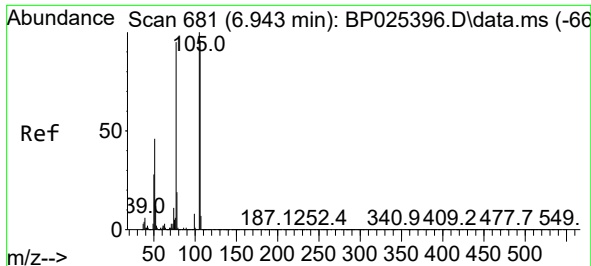


#8
2-Chlorophenol
Concen: 39.543 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



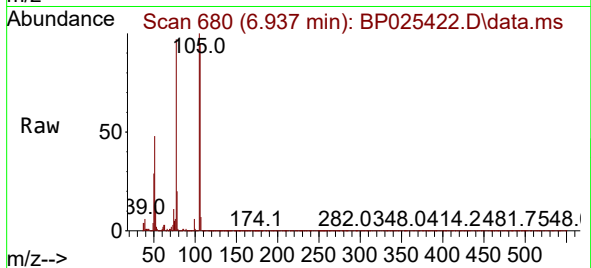
Tgt Ion:128 Resp: 438538
Ion Ratio Lower Upper
128 100
130 33.3 12.6 52.6
64 44.6 23.4 63.4





#9
Benzaldehyde
Concen: 52.616 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

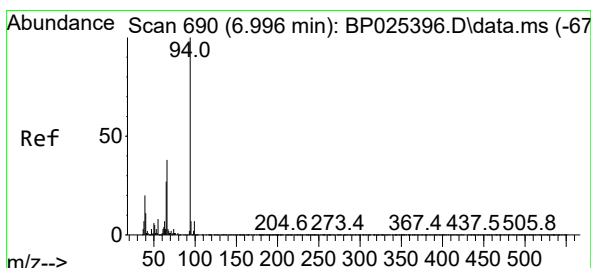
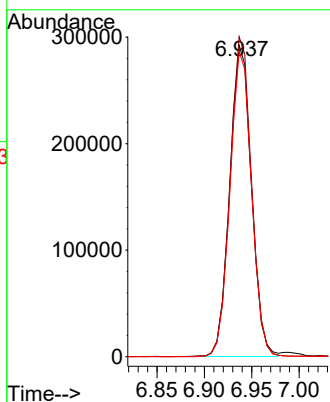
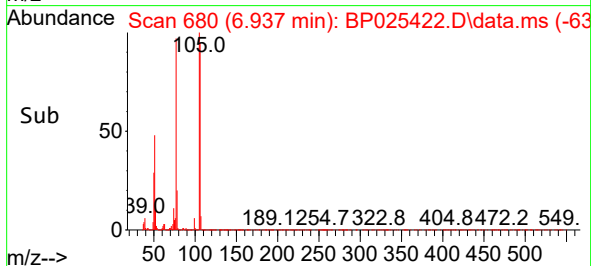
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



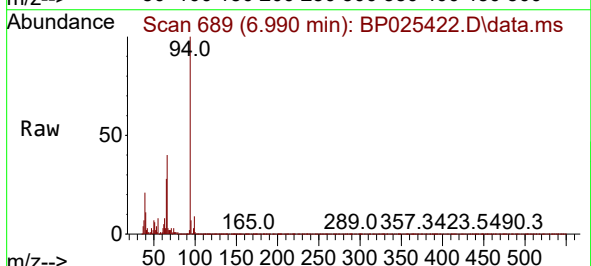
Tgt Ion: 77 Resp: 46448
Ion Ratio Lower Upper
77 100
105 102.8 84.8 124.8
106 98.0 80.5 120.5

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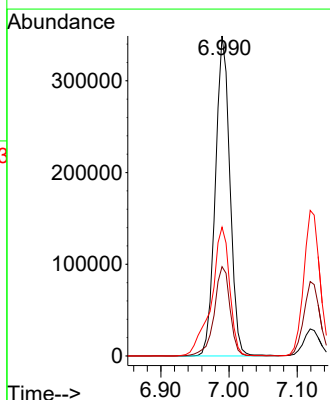
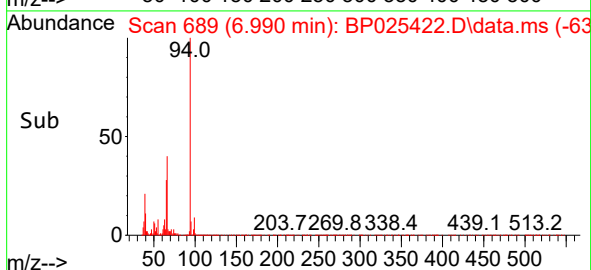
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

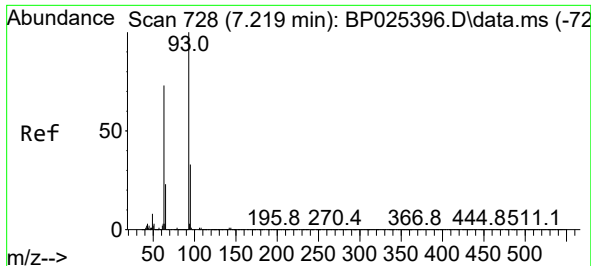


#10
Phenol
Concen: 39.253 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



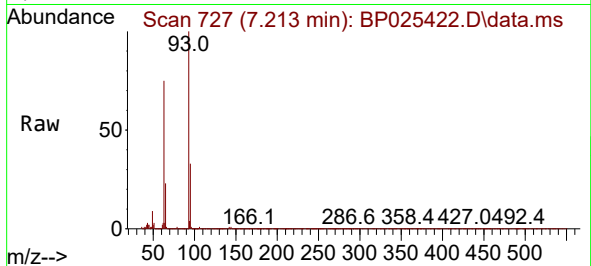
Tgt Ion: 94 Resp: 518982
Ion Ratio Lower Upper
94 100
65 27.9 6.8 46.8
66 40.2 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 39.423 ng
RT: 7.213 min Scan# 701
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

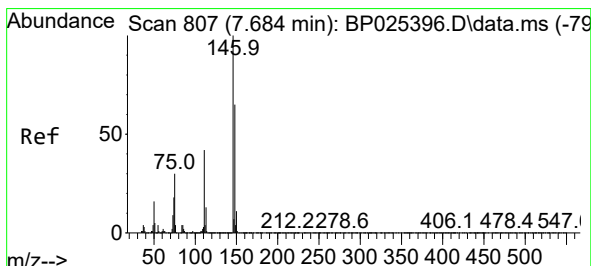
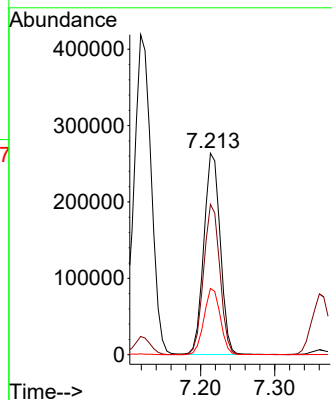
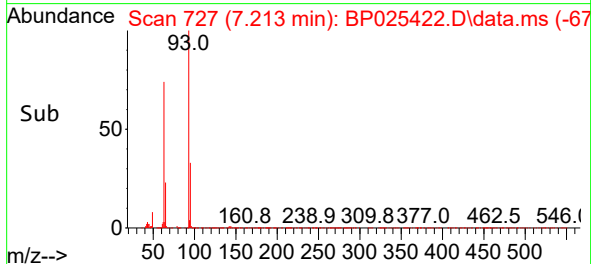
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



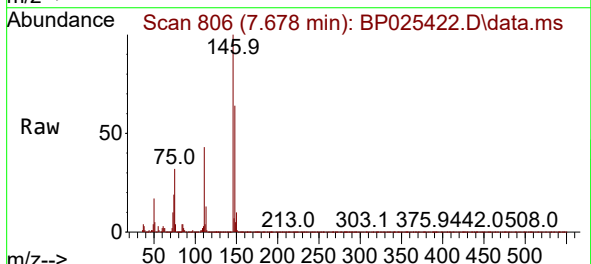
Tgt Ion: 93 Resp: 406260
Ion Ratio Lower Upper
93 100
63 74.7 52.6 92.6
95 32.9 12.7 52.7

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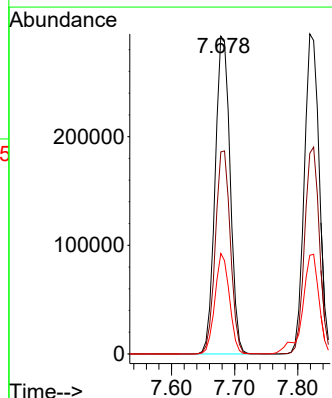
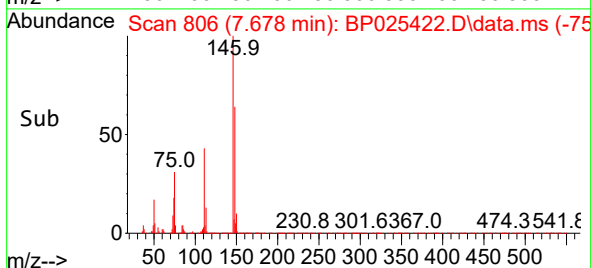
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

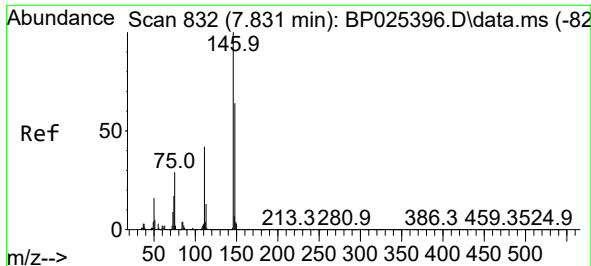


#12
1,3-Dichlorobenzene
Concen: 39.468 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:146 Resp: 482648
Ion Ratio Lower Upper
146 100
148 63.6 51.9 77.9
75 31.6 23.7 35.5





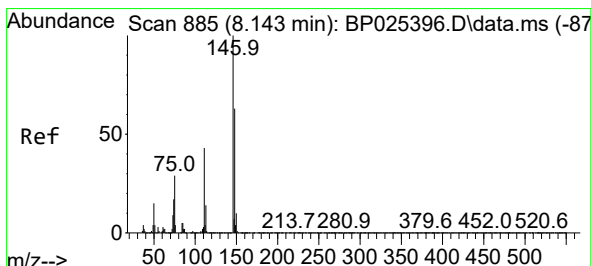
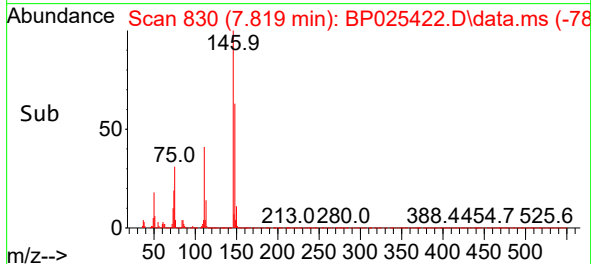
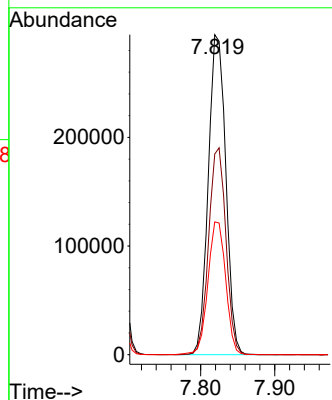
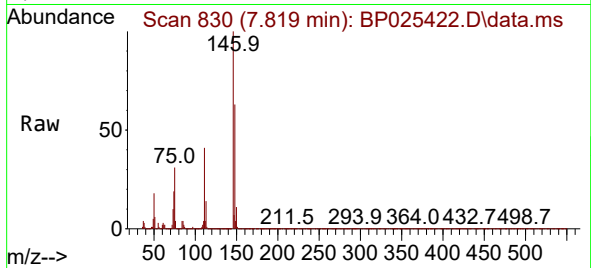
#13
1,4-Dichlorobenzene
Concen: 38.666 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 483294
Ion Ratio Lower Upper
146 100
148 62.7 51.6 77.4
111 41.5 33.4 50.0

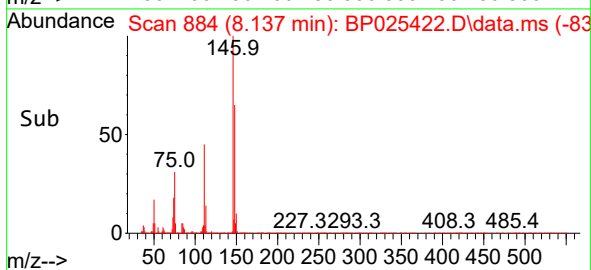
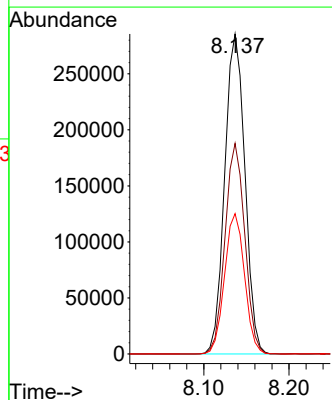
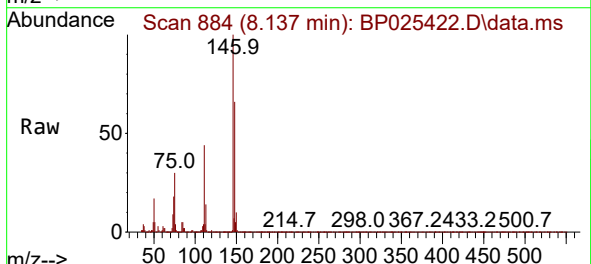
Manual Integrations
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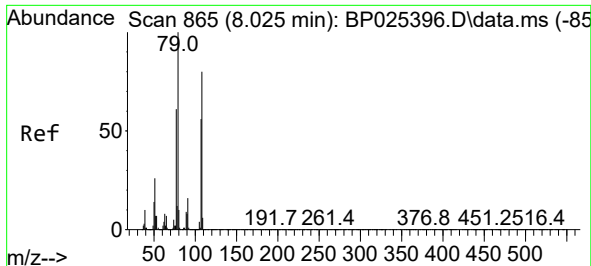
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#14
1,2-Dichlorobenzene
Concen: 38.837 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

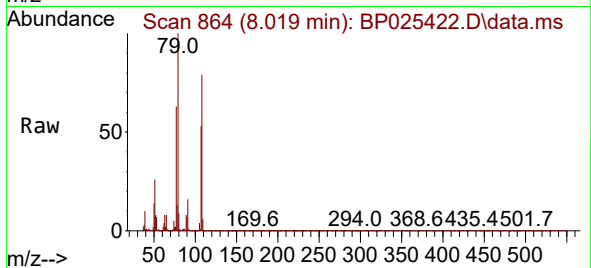
Tgt Ion:146 Resp: 469905
Ion Ratio Lower Upper
146 100
148 65.8 50.4 75.6
111 43.8 34.5 51.7





#15
Benzyl Alcohol
Concen: 40.199 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

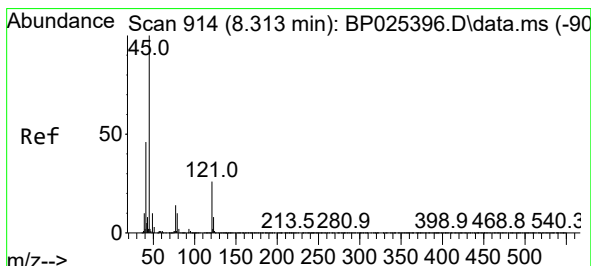
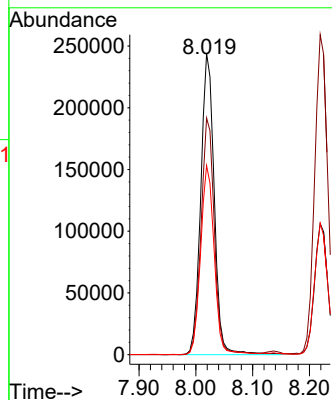
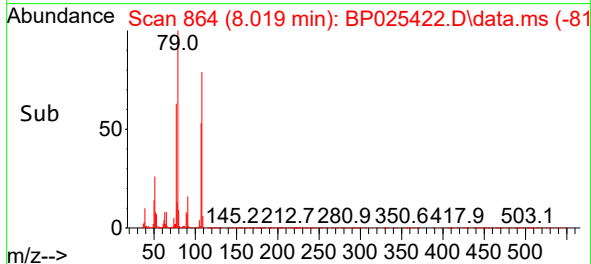
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



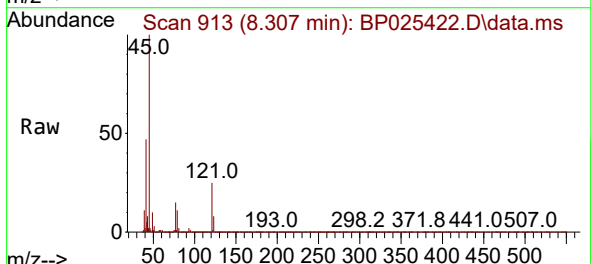
Tgt Ion: 79 Resp: 40245
Ion Ratio Lower Upper
79 100
108 78.5 63.8 95.6
77 62.8 49.0 73.4

Manual Integrations
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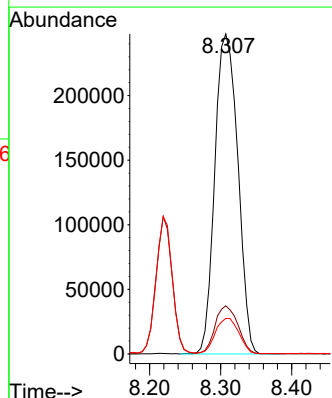
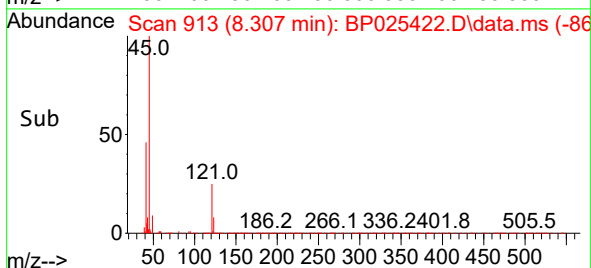
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

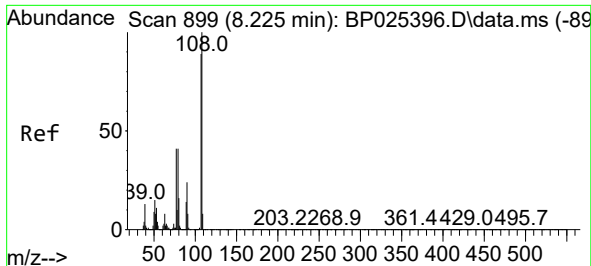


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.282 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion: 45 Resp: 556083
Ion Ratio Lower Upper
45 100
77 15.1 0.0 35.3
79 11.1 0.0 31.8





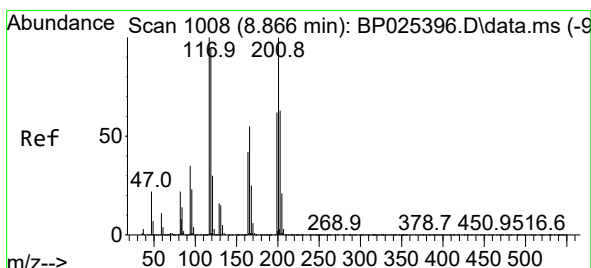
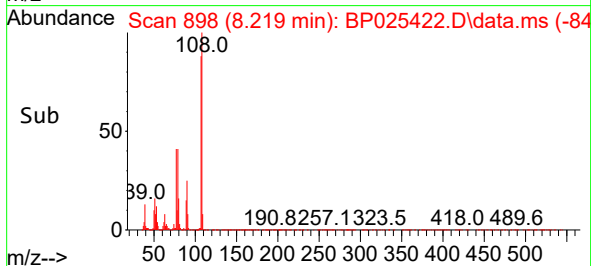
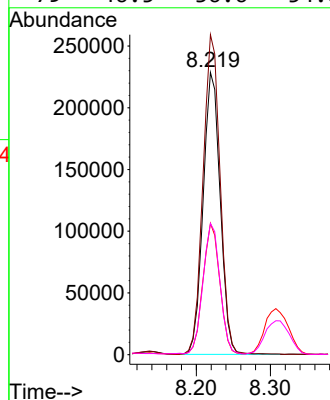
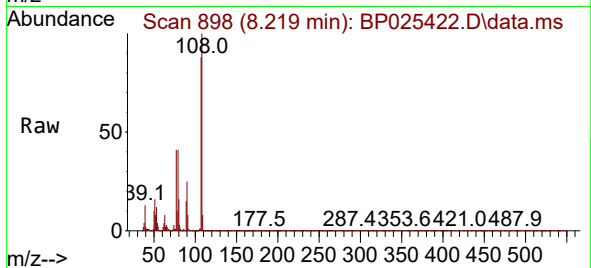
#17
2-Methylphenol
Concen: 39.752 ng
RT: 8.219 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:	107	Resp:	36502
Ion Ratio	Lower	Upper	
107	100		
108	113.4	89.4	134.0
77	46.5	36.3	54.5
79	46.5	36.6	54.8

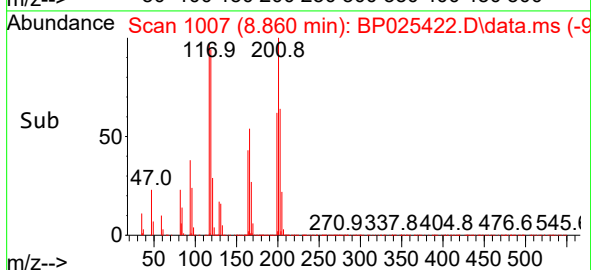
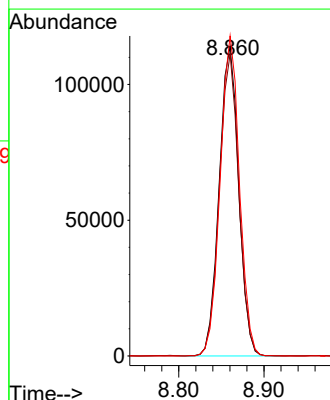
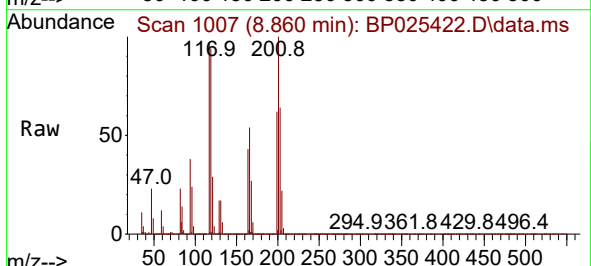
Manual Integrations
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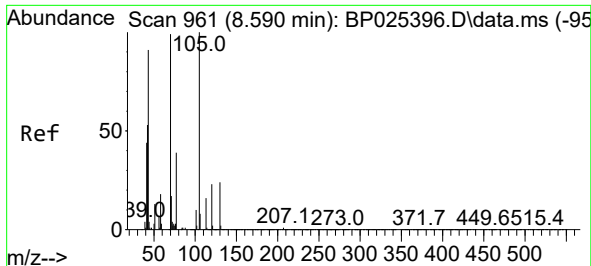
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#18
Hexachloroethane
Concen: 39.542 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

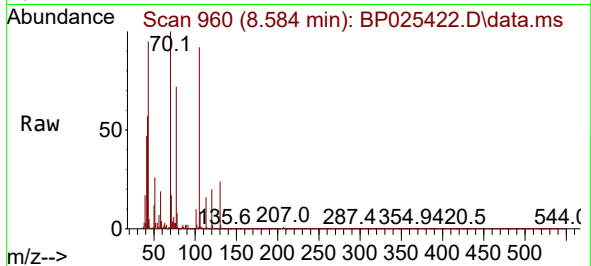
Tgt Ion:	117	Resp:	181724
Ion Ratio	Lower	Upper	
117	100		
119	97.6	75.1	112.7
201	103.5	80.1	120.1





#19
n-Nitroso-di-n-propylamine
Concen: 39.304 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

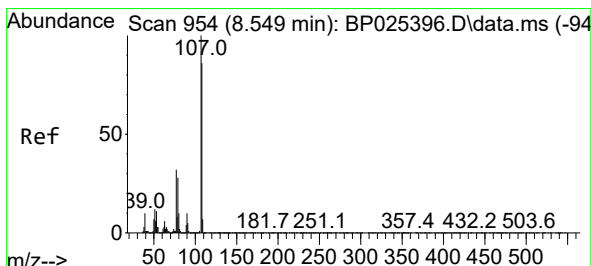
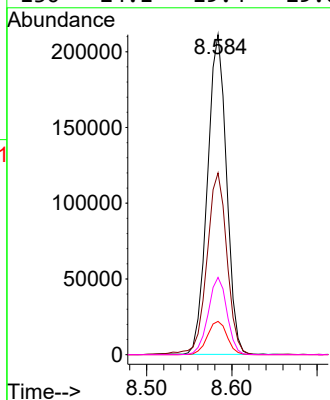
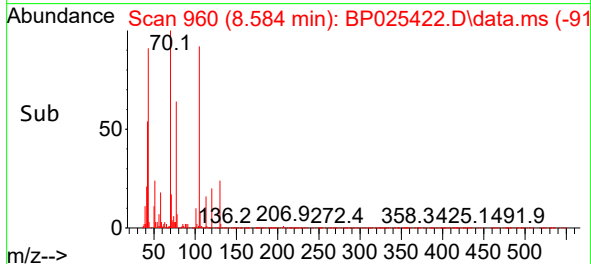
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



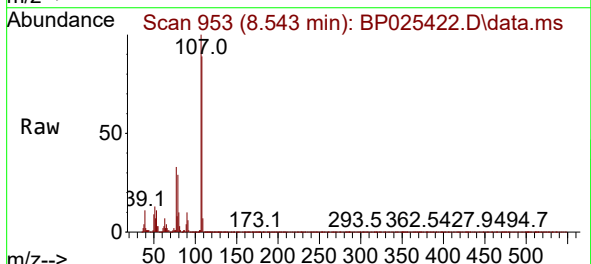
Tgt Ion: 70 Resp: 32803
Ion Ratio Lower Upper
70 100
42 56.8 43.8 65.6
101 10.4 8.5 12.7
130 24.1 19.4 29.0

Manual Integrations
APPROVED

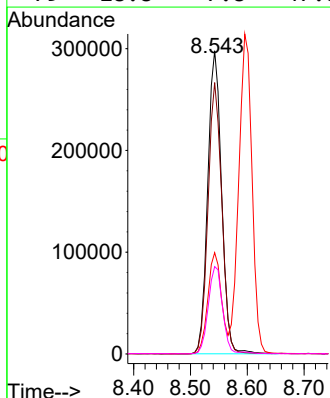
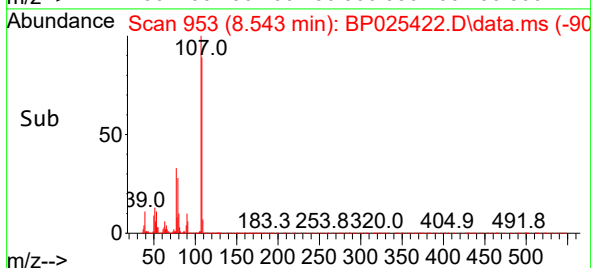
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

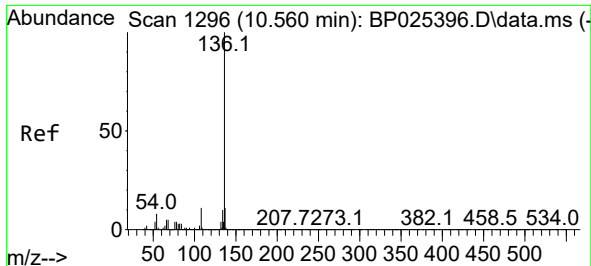


#20
3+4-Methylphenols
Concen: 39.561 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



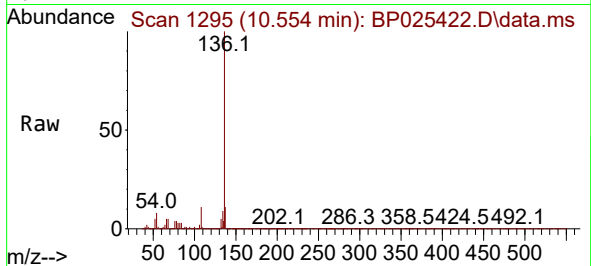
Tgt Ion:107 Resp: 503552
Ion Ratio Lower Upper
107 100
108 89.5 66.3 106.3
77 33.4 12.3 52.3
79 28.8 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

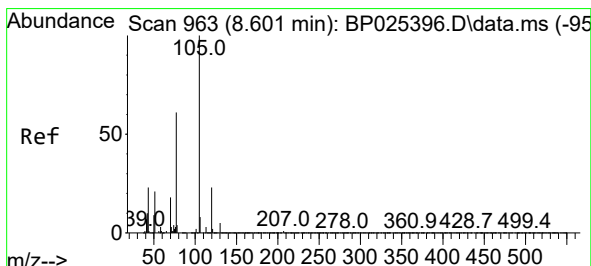
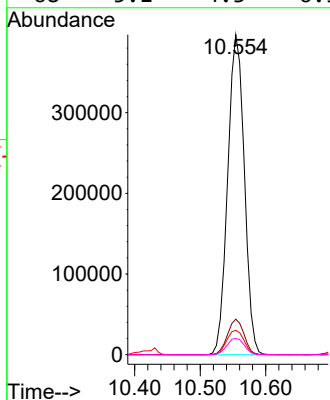
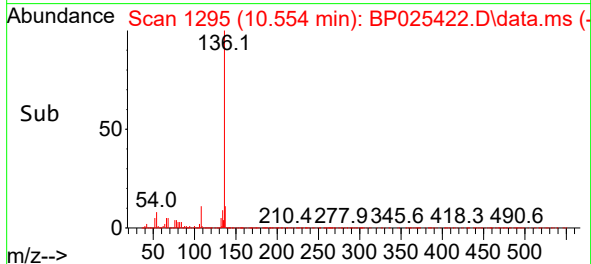
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



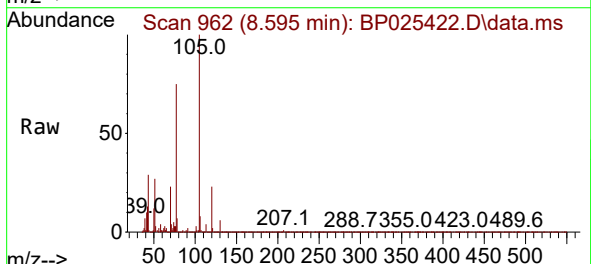
Tgt Ion:	136	Resp:	69911
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5

Manual Integrations
APPROVED

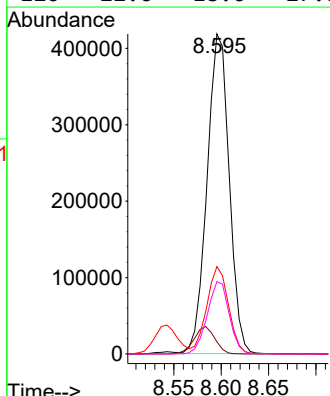
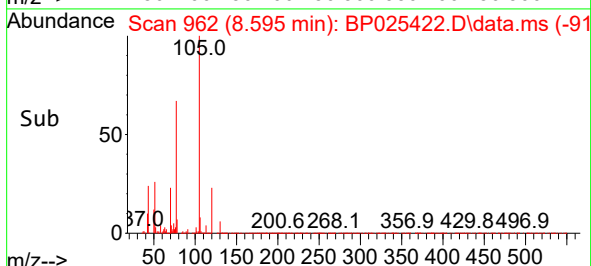
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

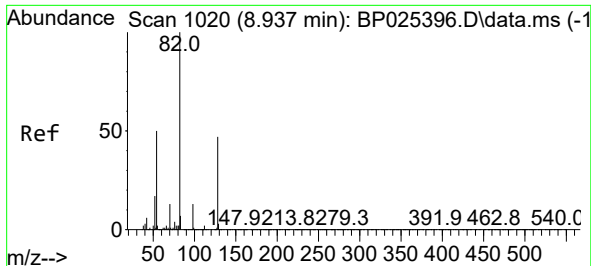


#22
Acetophenone
Concen: 38.792 ng
RT: 8.595 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



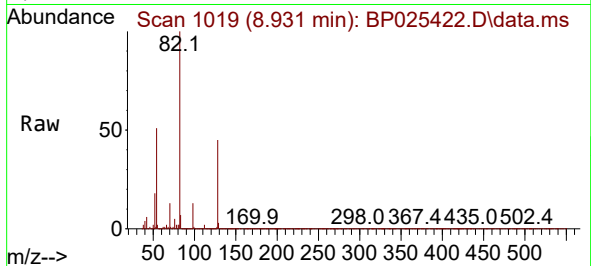
Tgt Ion:	105	Resp:	680116
Ion Ratio	Lower	Upper	
105	100		
71	3.8	2.6	4.0
51	27.3	20.6	30.8
120	22.6	18.6	27.8





#23
Nitrobenzene-d5
Concen: 79.367 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

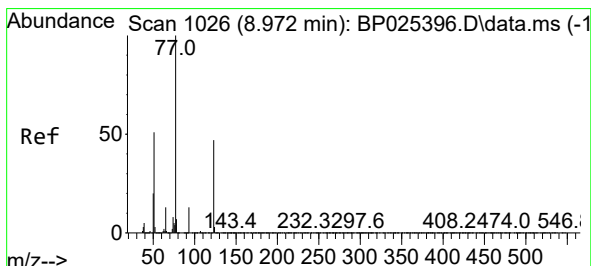
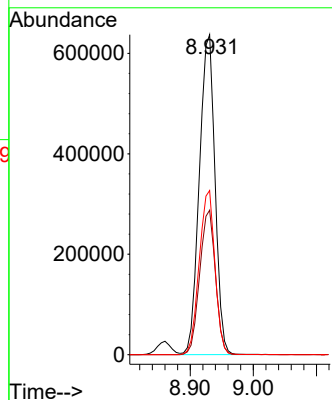
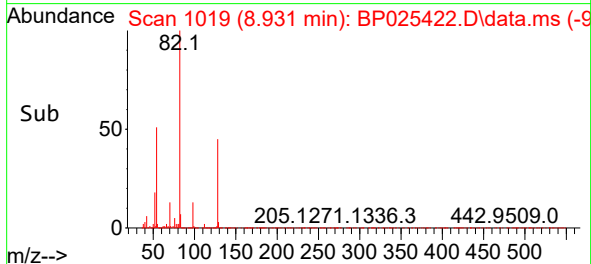
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



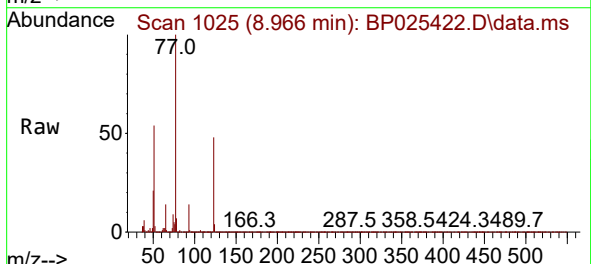
Tgt Ion: 82 Resp: 1096890
Ion Ratio Lower Upper
82 100
128 45.1 37.7 56.5
54 51.3 39.8 59.6

Manual Integrations
APPROVED

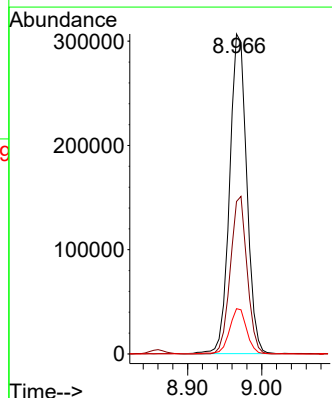
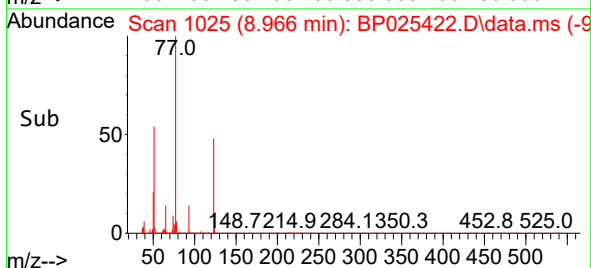
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

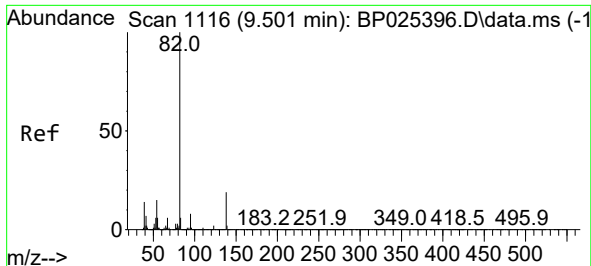


#24
Nitrobenzene
Concen: 39.805 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



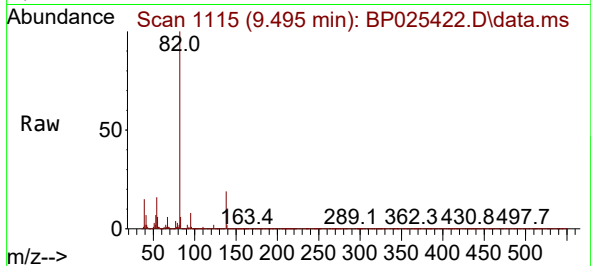
Tgt Ion: 77 Resp: 491654
Ion Ratio Lower Upper
77 100
123 47.7 38.6 58.0
65 14.2 10.6 15.8





#25
Isophorone
Concen: 38.387 ng
RT: 9.495 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

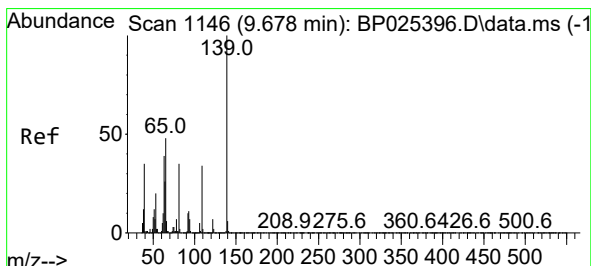
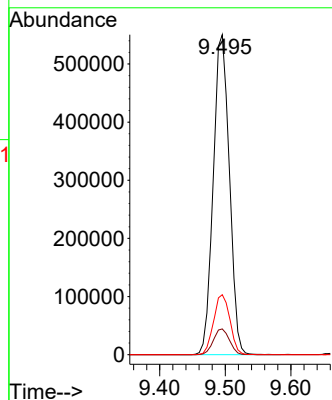
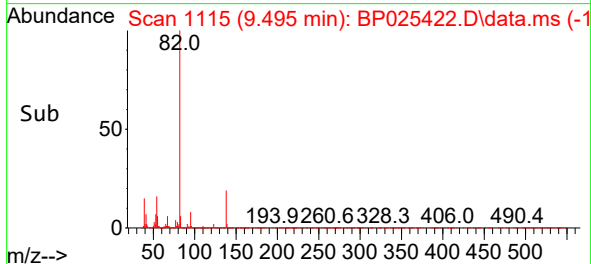
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



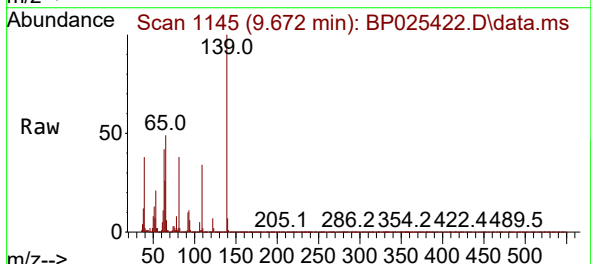
Tgt Ion: 82 Resp: 938890
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 18.8 15.4 23.0

Manual Integrations
APPROVED

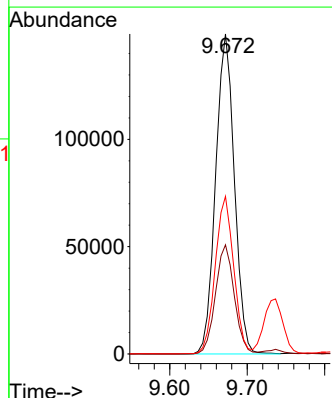
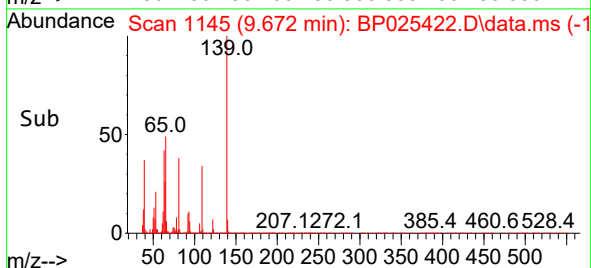
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

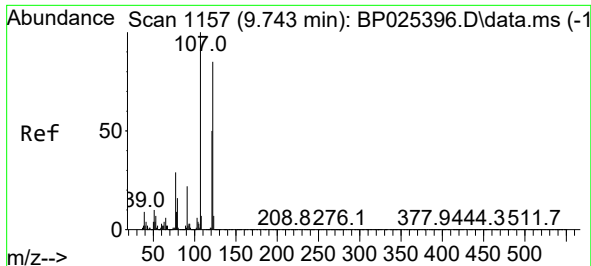


#26
2-Nitrophenol
Concen: 39.458 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:139 Resp: 250121
Ion Ratio Lower Upper
139 100
109 34.1 26.9 40.3
65 49.2 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 39.018 ng

RT: 9.737 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BP025422.D

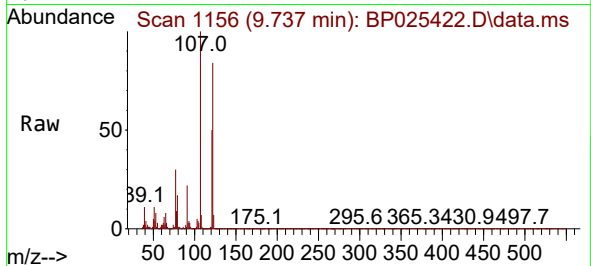
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 42533

Ion Ratio Lower Upper

122 100

107 118.5 93.7 140.5

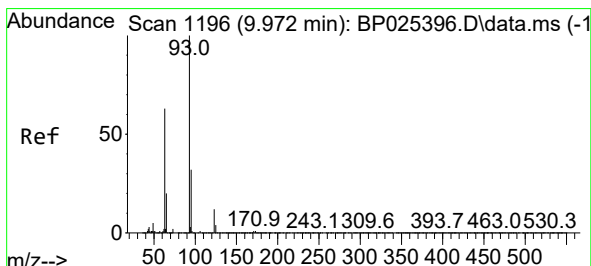
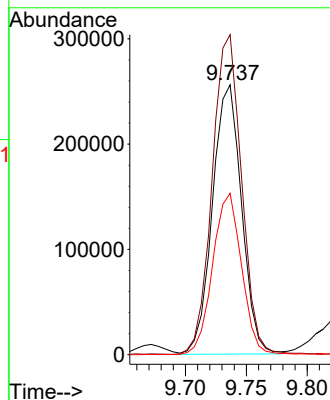
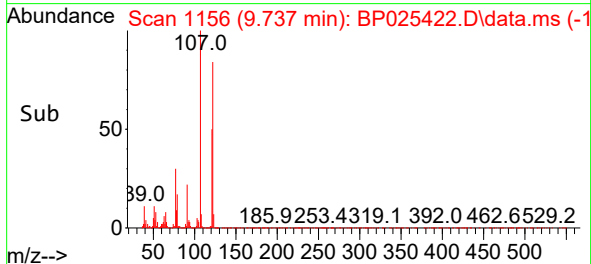
121 59.8 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 38.258 ng

RT: 9.960 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

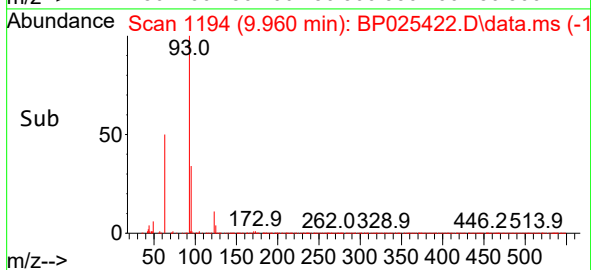
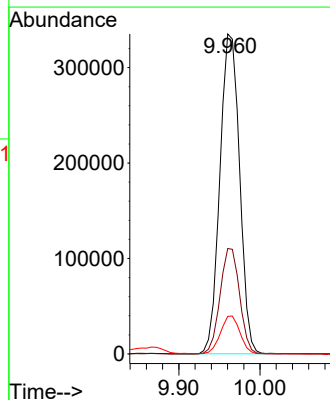
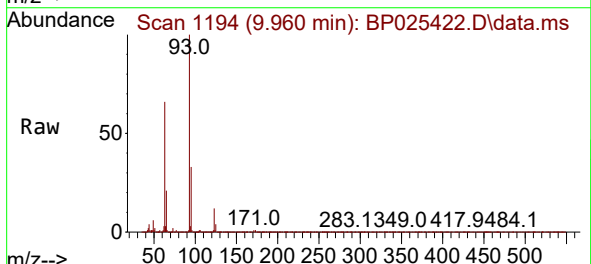
Tgt Ion: 93 Resp: 565633

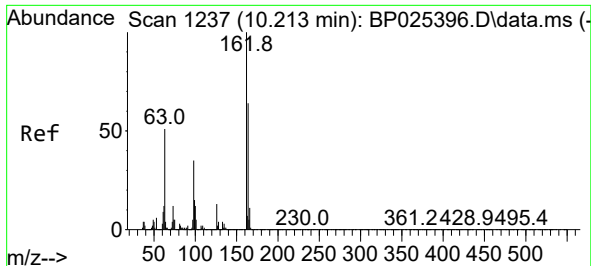
Ion Ratio Lower Upper

93 100

95 33.0 25.4 38.0

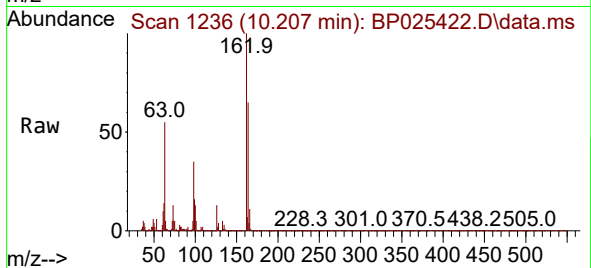
123 11.7 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 38.724 ng
RT: 10.207 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

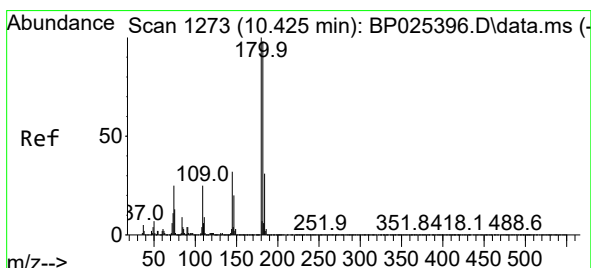
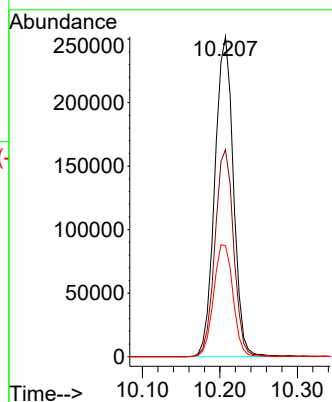
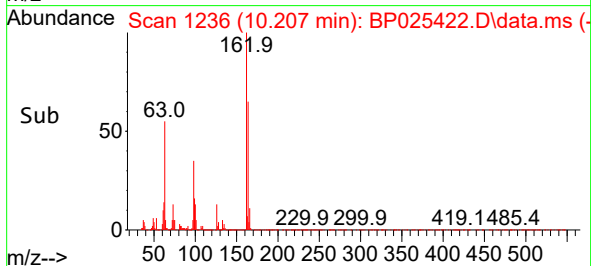
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



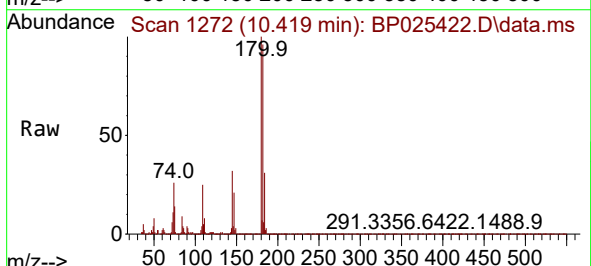
Tgt Ion:162 Resp: 41934
Ion Ratio Lower Upper
162 100
164 64.7 44.4 84.4
98 34.7 14.9 54.9

Manual Integrations
APPROVED

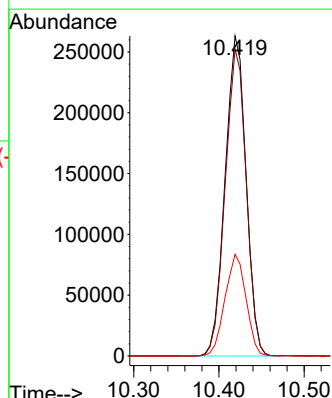
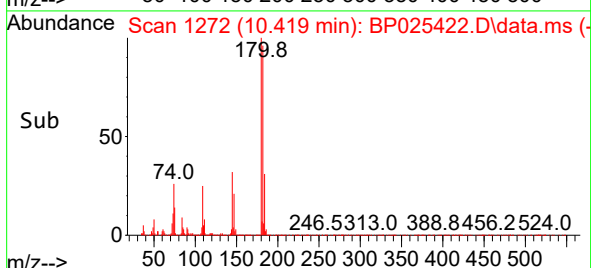
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

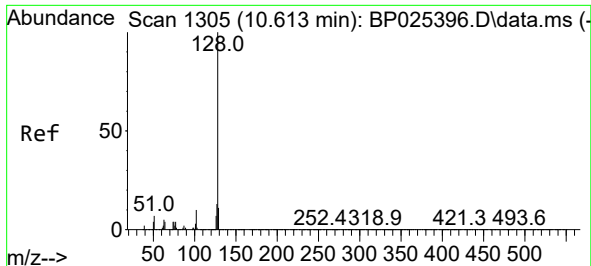


#30
1,2,4-Trichlorobenzene
Concen: 37.921 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



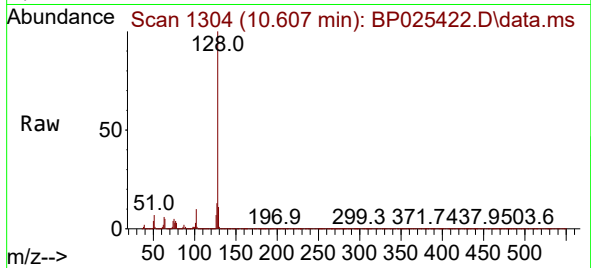
Tgt Ion:180 Resp: 450156
Ion Ratio Lower Upper
180 100
182 95.9 78.0 117.0
145 31.8 25.9 38.9





#31
Naphthalene
Concen: 38.324 ng
RT: 10.607 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

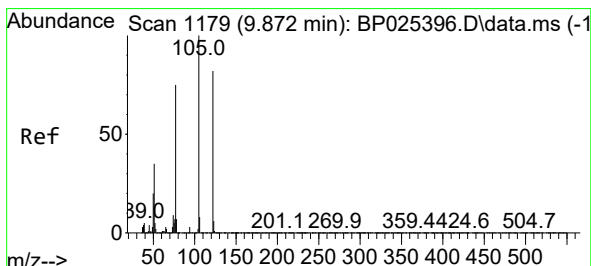
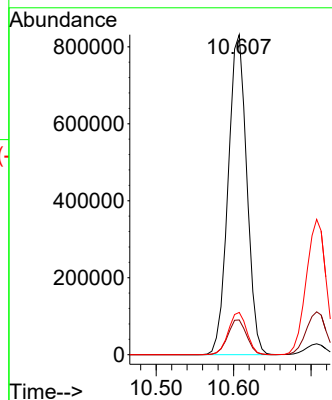
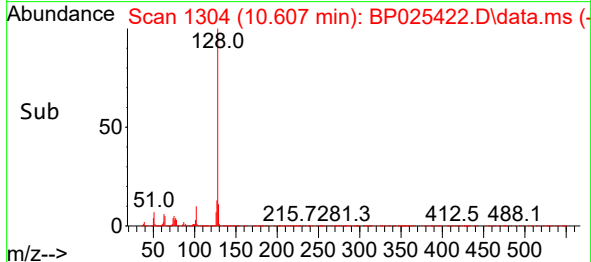
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:128 Resp: 139257
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.2 10.7 16.1

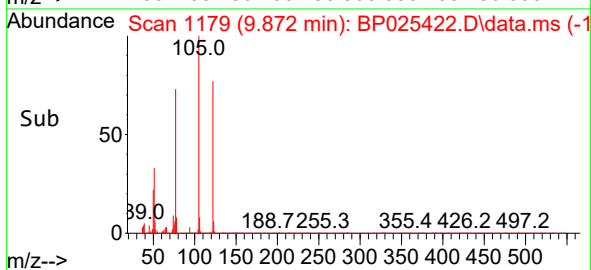
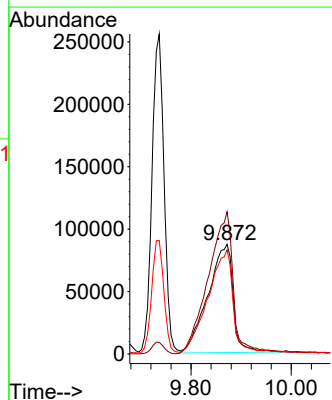
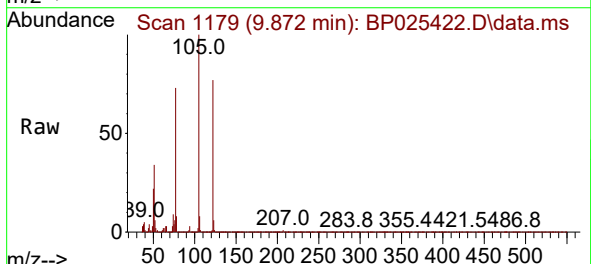
Manual Integrations
APPROVED

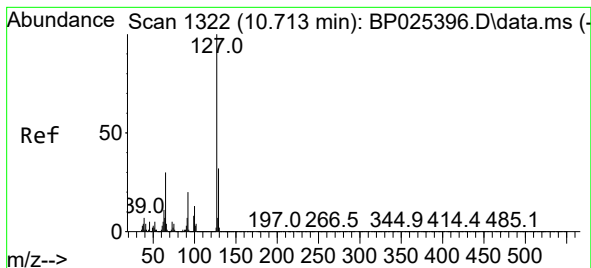
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#32
Benzoic acid
Concen: 37.734 ng
RT: 9.872 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

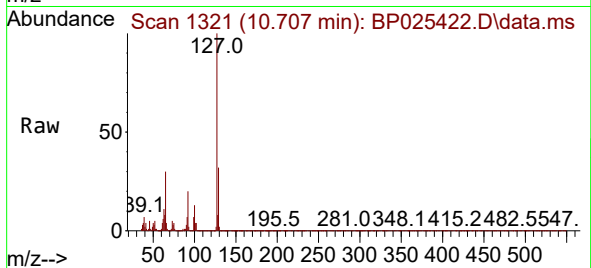
Tgt Ion:122 Resp: 303683
Ion Ratio Lower Upper
122 100
105 129.8 100.6 140.6
77 95.1 71.5 111.5





#33
4-Chloroaniline
Concen: 39.164 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

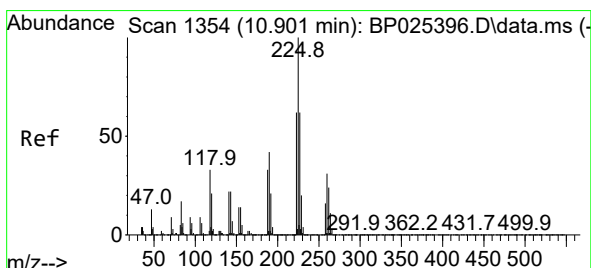
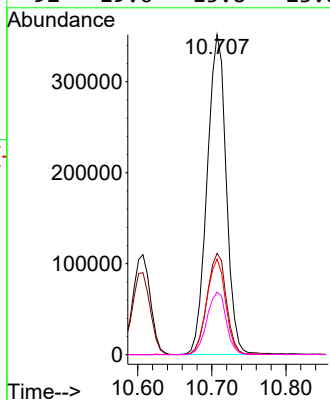
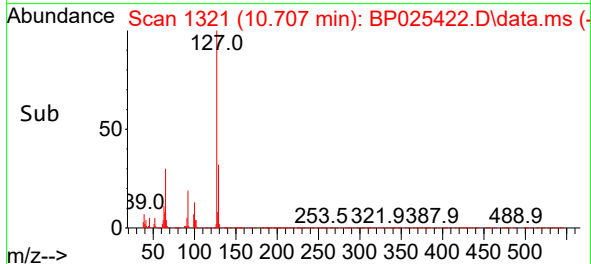
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



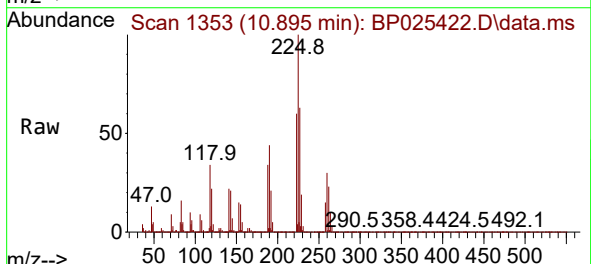
Tgt Ion:127 Resp: 628608
Ion Ratio Lower Upper
127 100
129 31.7 25.4 38.2
65 29.9 23.8 35.6
92 19.6 15.8 23.8

Manual Integrations
APPROVED

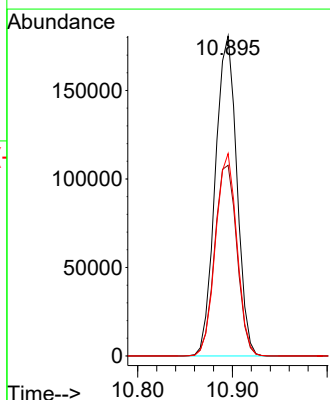
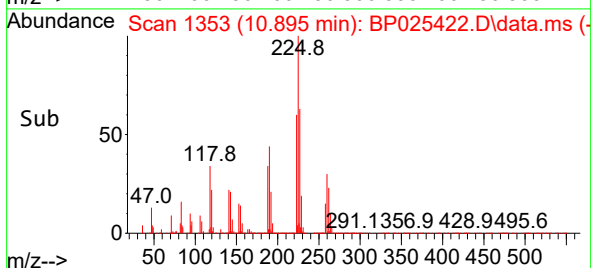
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

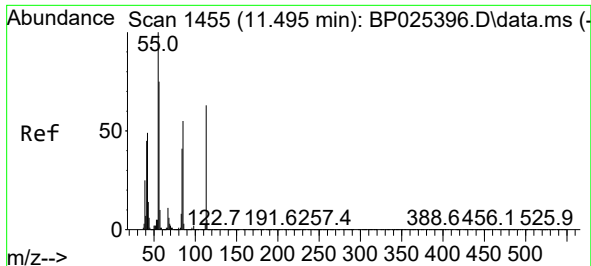


#34
Hexachlorobutadiene
Concen: 38.652 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



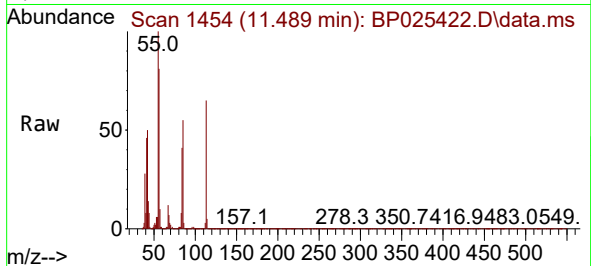
Tgt Ion:225 Resp: 285751
Ion Ratio Lower Upper
225 100
223 59.6 50.0 75.0
227 63.3 49.7 74.5





#35
Caprolactam
Concen: 37.951 ng
RT: 11.489 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

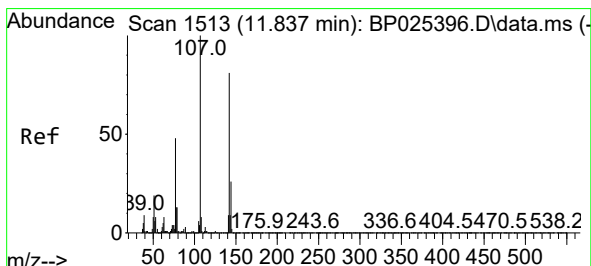
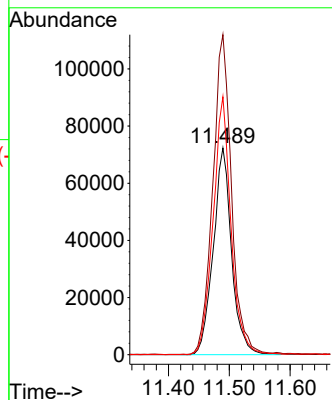
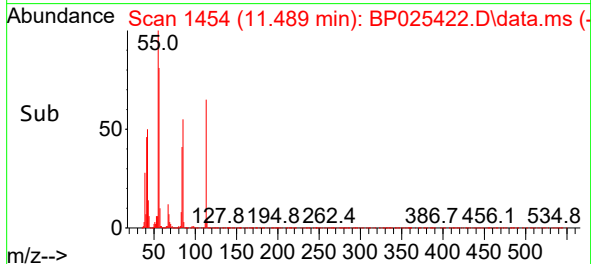
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



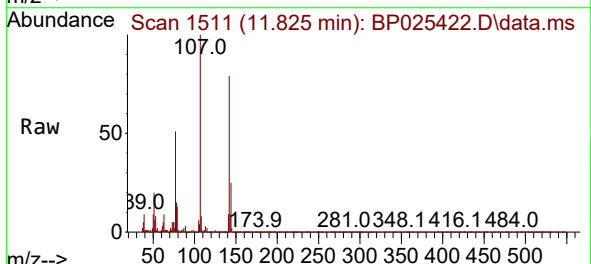
Tgt Ion:113 Resp: 15069
Ion Ratio Lower Upper
113 100
55 154.8 140.0 180.0
56 124.8 100.0 140.0

Manual Integrations
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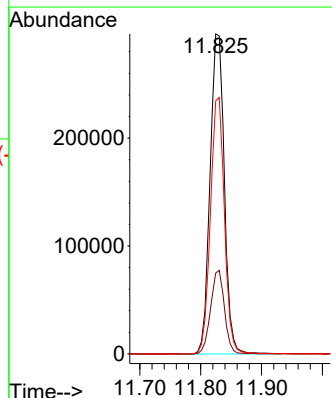
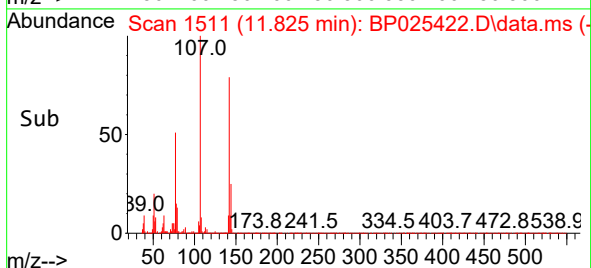
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

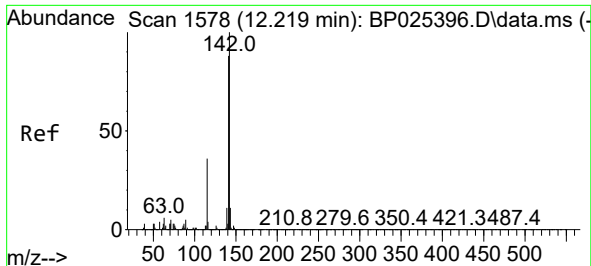


#36
4-Chloro-3-methylphenol
Concen: 38.840 ng
RT: 11.825 min Scan# 1511
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



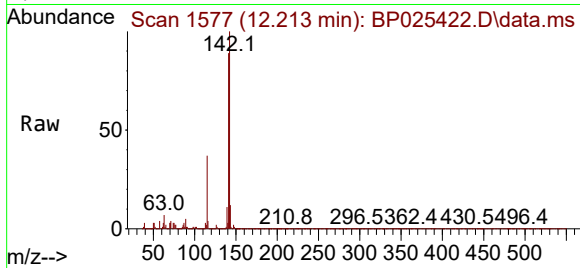
Tgt Ion:107 Resp: 482622
Ion Ratio Lower Upper
107 100
144 25.3 21.0 31.4
142 79.1 64.6 97.0





#37
2-Methylnaphthalene
Concen: 38.190 ng
RT: 12.213 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

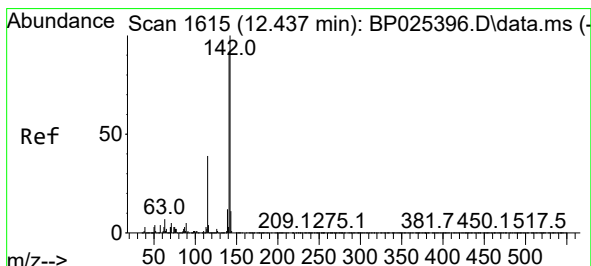
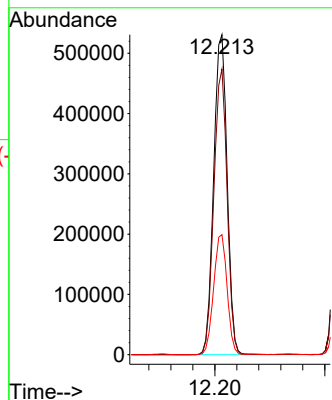
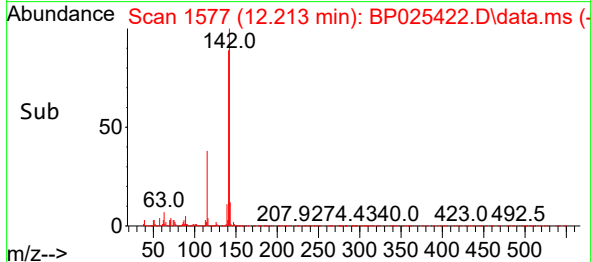
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



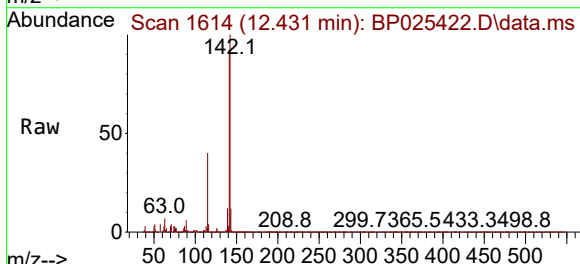
Tgt Ion:142 Resp: 903084
Ion Ratio Lower Upper
142 100
141 89.2 70.3 105.5
115 37.5 28.9 43.3

Manual Integrations
APPROVED

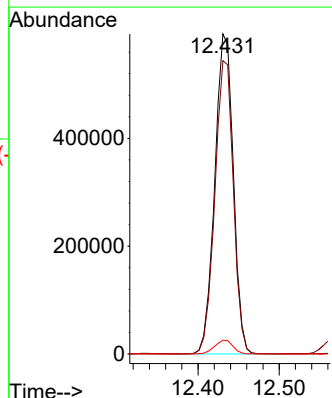
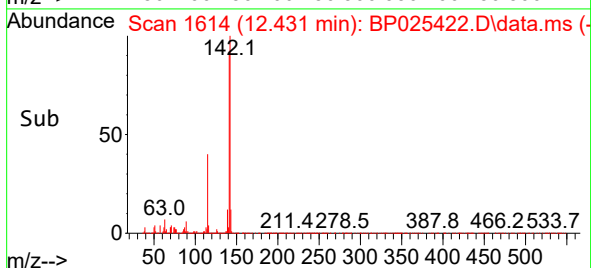
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

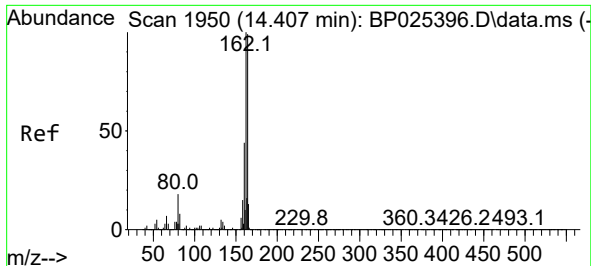


#38
1-Methylnaphthalene
Concen: 37.439 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:142 Resp: 941493
Ion Ratio Lower Upper
142 100
141 91.7 73.1 109.7
116 4.3 3.2 4.8





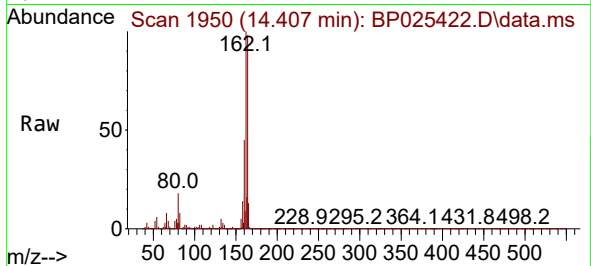
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

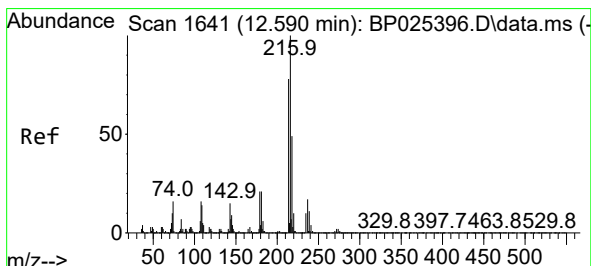
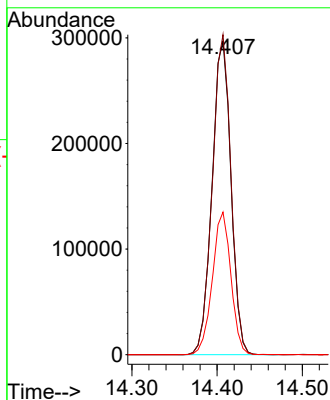
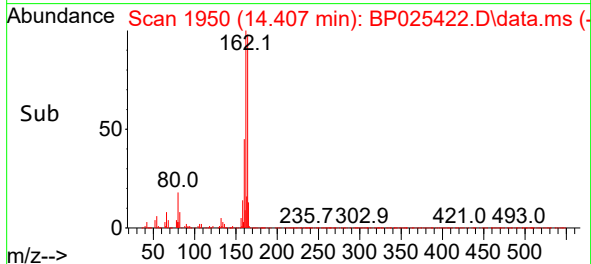
SSTDCCC040



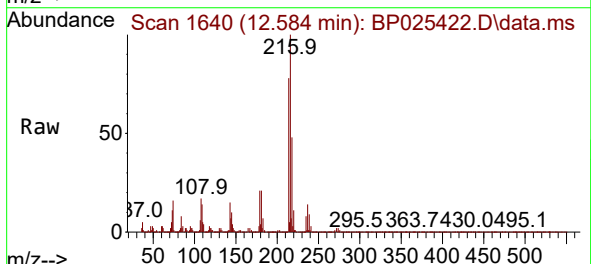
Tgt Ion:164 Resp: 45830
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.6
160 45.5 35.4 53.2

Manual Integrations
APPROVED

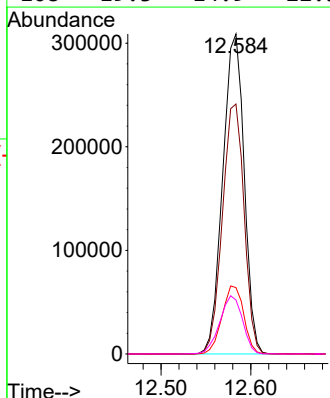
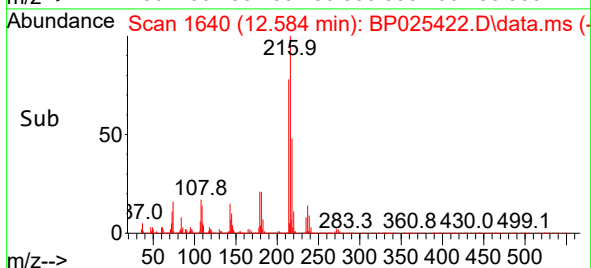
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

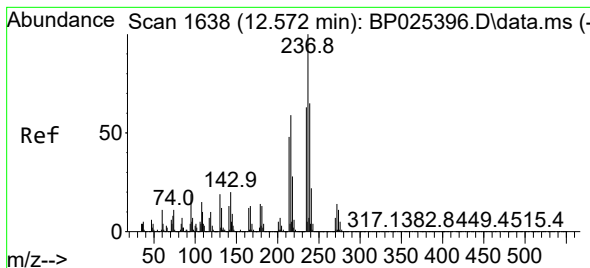


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.717 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:216 Resp: 512464
Ion Ratio Lower Upper
216 100
214 78.9 63.0 94.4
179 21.5 17.1 25.7
108 19.3 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 40.319 ng

RT: 12.566 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 322360

Ion Ratio Lower Upper

237 100

235 61.4 42.7 82.7

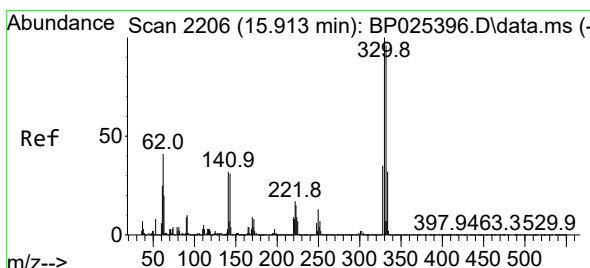
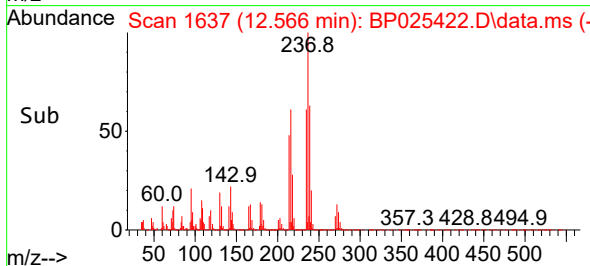
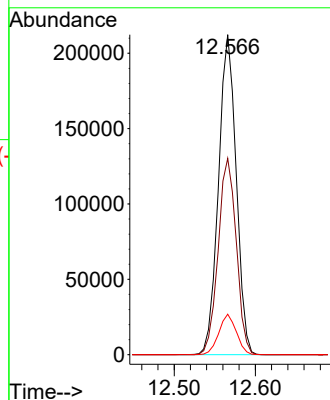
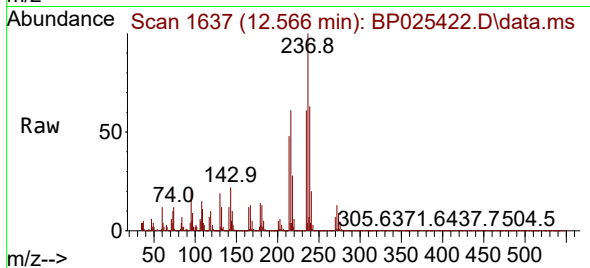
272 12.7 0.0 34.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#42

2,4,6-Tribromophenol

Concen: 78.381 ng

RT: 15.913 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

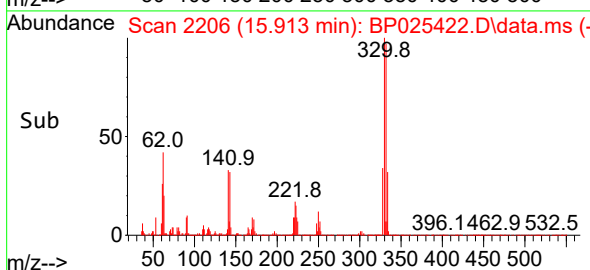
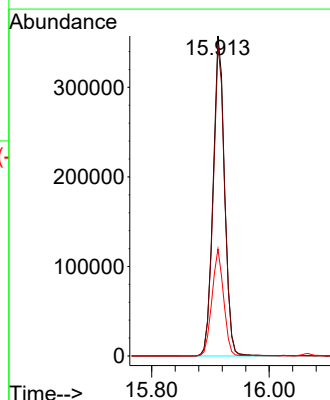
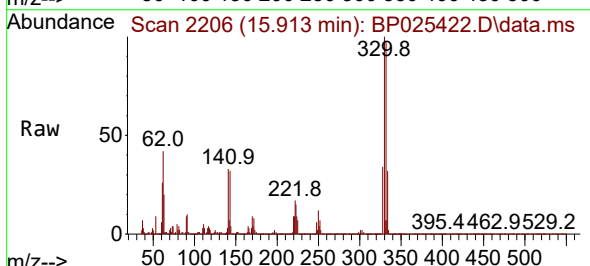
Tgt Ion:330 Resp: 483517

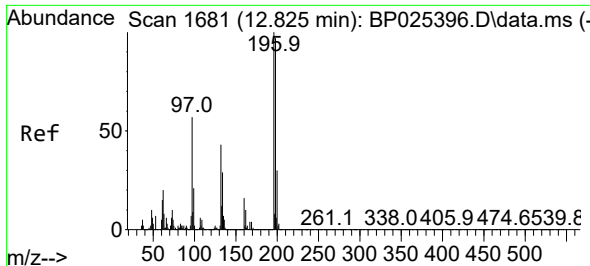
Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

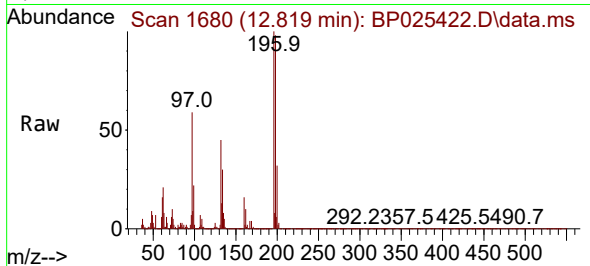
141 34.0 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 39.291 ng
RT: 12.819 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

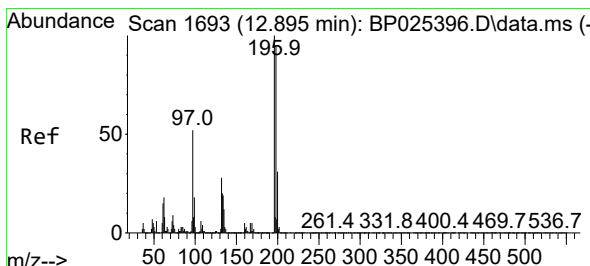
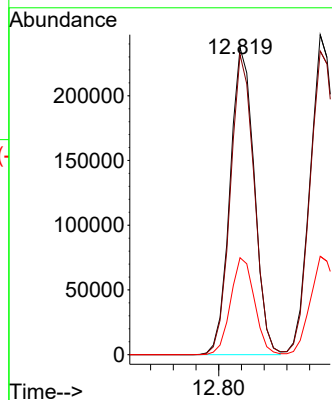
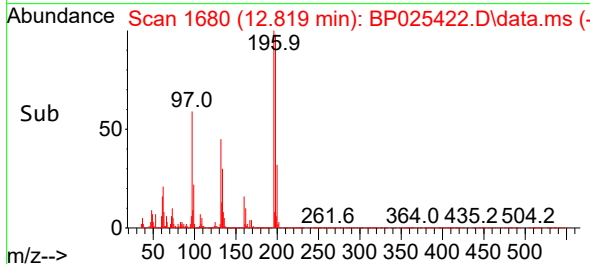
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



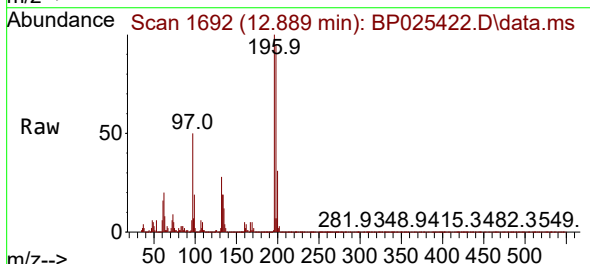
Tgt Ion:196 Resp: 35110
Ion Ratio Lower Upper
196 100
198 97.7 77.2 115.8
200 31.6 23.9 35.9

Manual Integrations
APPROVED

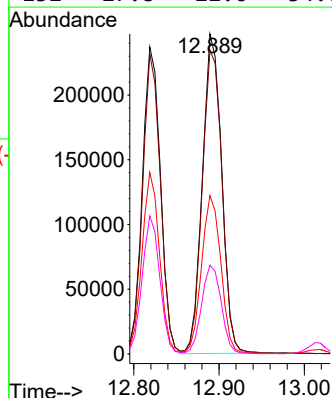
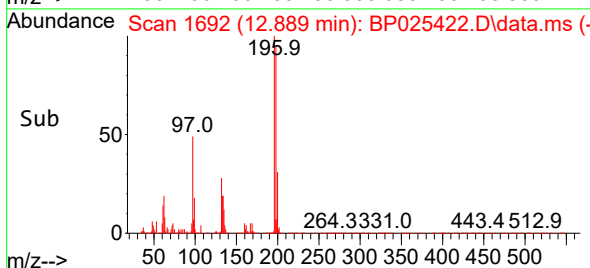
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

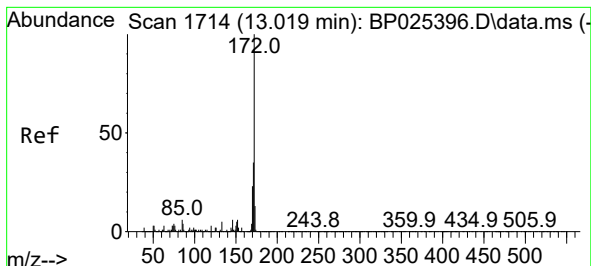


#44
2,4,5-Trichlorophenol
Concen: 39.656 ng
RT: 12.889 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:196 Resp: 388369
Ion Ratio Lower Upper
196 100
198 94.9 76.2 114.2
97 49.5 41.2 61.8
132 27.8 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 75.449 ng
RT: 13.013 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

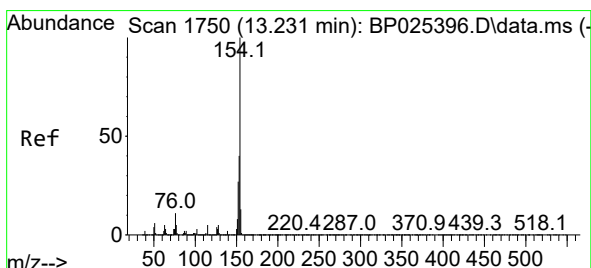
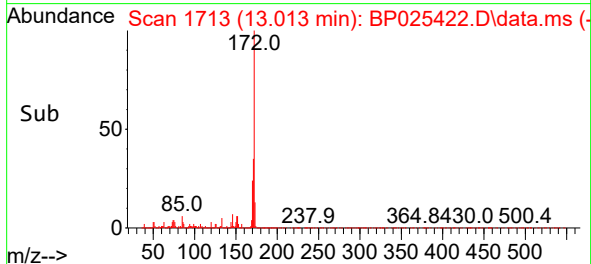
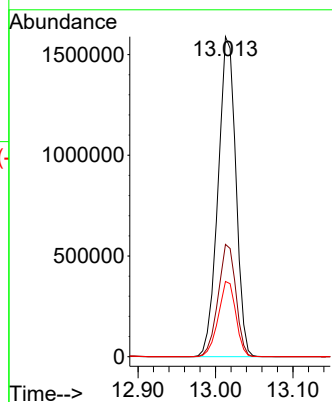
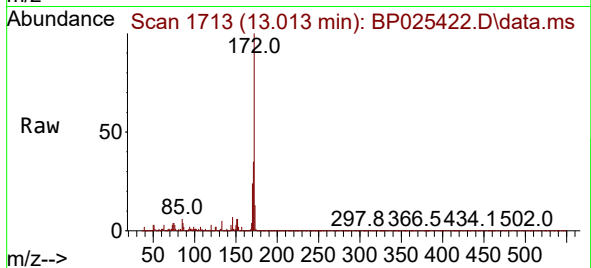
SSTDCCC040

Tgt Ion:172 Resp: 2530100
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.5 18.6 28.0

Manual Integrations
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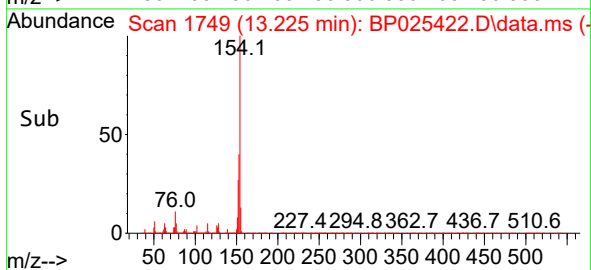
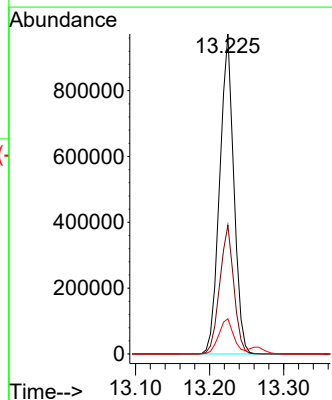
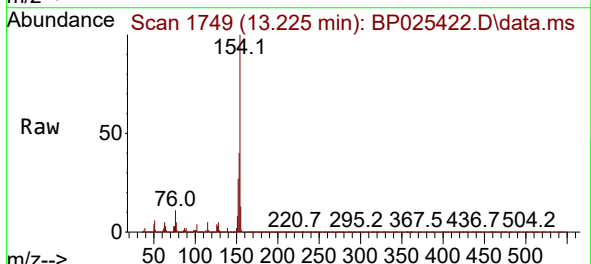
Reviewed By :Rahul Chavli 08/18/2025

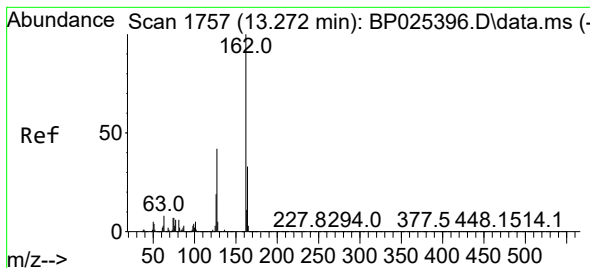
Supervised By :Jagrut Upadhyay 08/18/2025



#46
1,1'-Biphenyl
Concen: 38.672 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

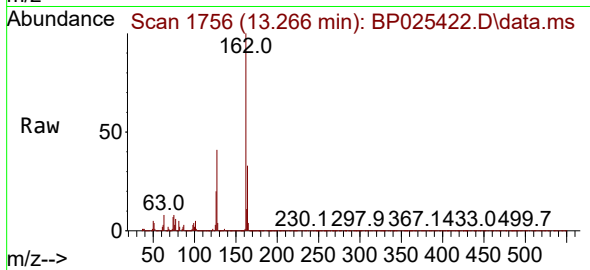
Tgt Ion:154 Resp: 1287182
Ion Ratio Lower Upper
154 100
153 40.2 19.5 59.5
76 11.0 0.0 31.1





#47
2-Chloronaphthalene
Concen: 38.780 ng
RT: 13.266 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

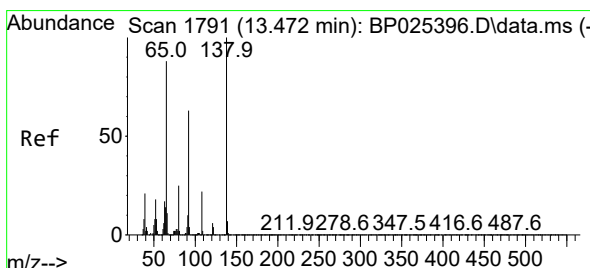
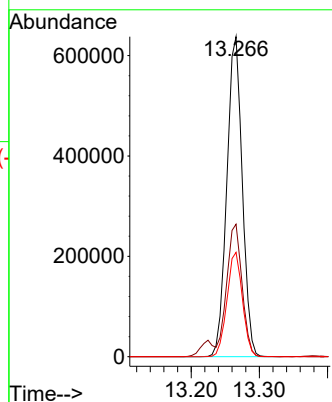
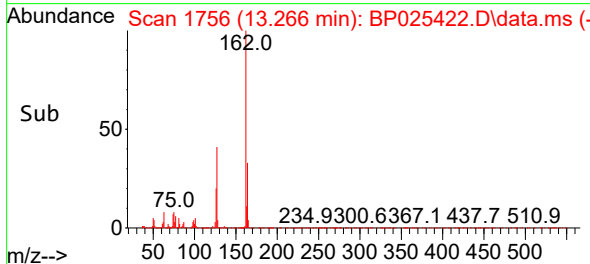
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



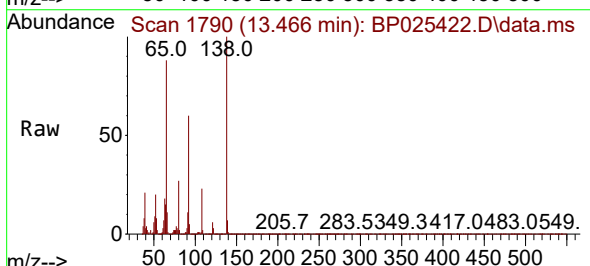
Tgt Ion:162 Resp: 1004850
Ion Ratio Lower Upper
162 100
127 41.4 33.4 50.2
164 32.6 26.2 39.2

Manual Integrations
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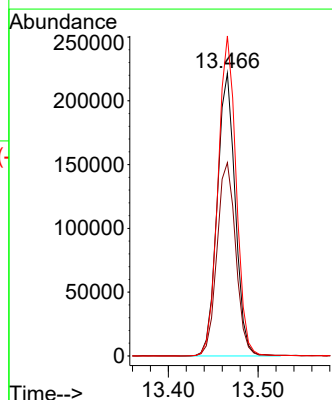
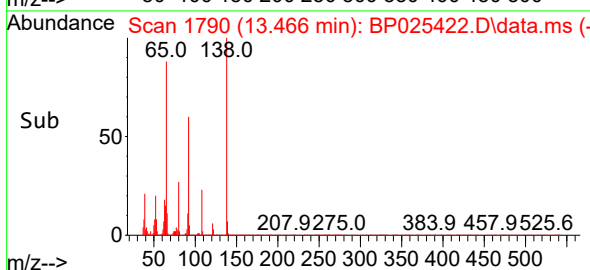
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

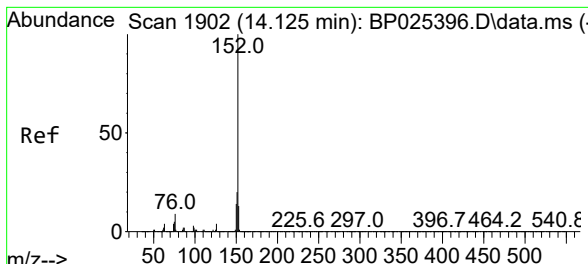


#48
2-Nitroaniline
Concen: 40.910 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion: 65 Resp: 308875
Ion Ratio Lower Upper
65 100
92 68.4 57.6 86.4
138 113.2 91.0 136.6





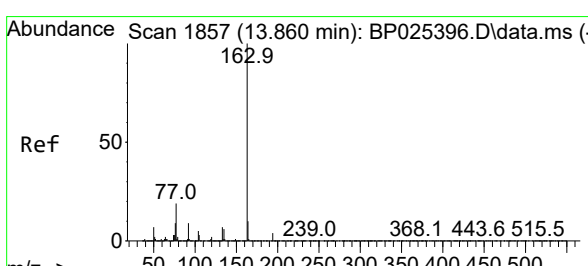
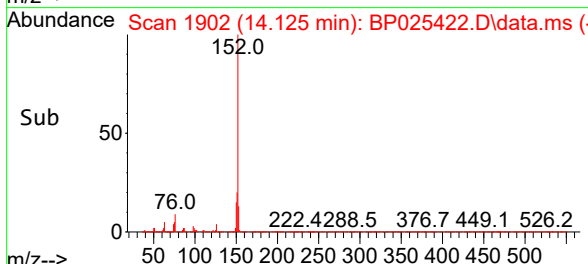
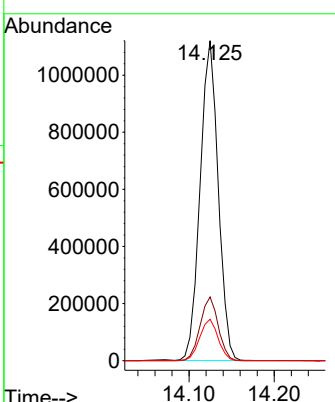
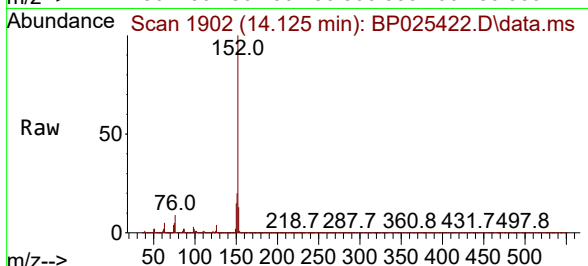
#49
 Acenaphthylene
 Concen: 38.457 ng
 RT: 14.125 min Scan# 1902
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Instrument : BNA_P
 ClientSampleId : SSTDCCC040

Tgt Ion:152 Resp: 164888

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	12.9	10.6	15.8

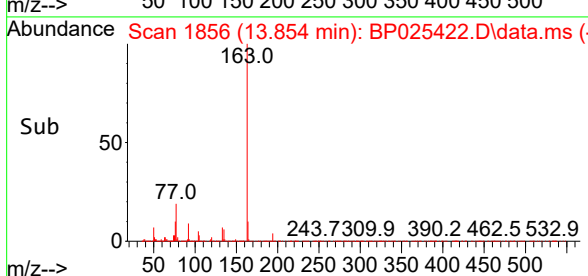
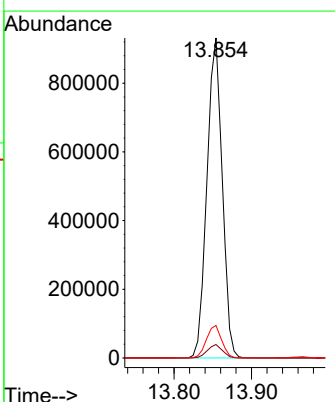
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 Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

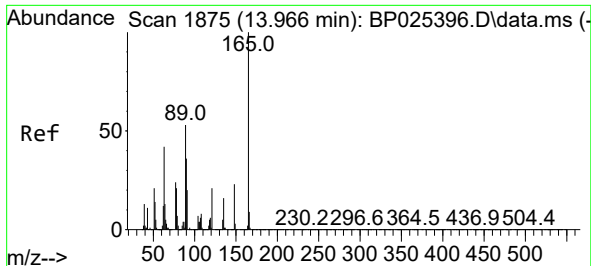


#50
 Dimethylphthalate
 Concen: 38.040 ng
 RT: 13.854 min Scan# 1856
 Delta R.T. -0.006 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Tgt Ion:163 Resp: 1276659

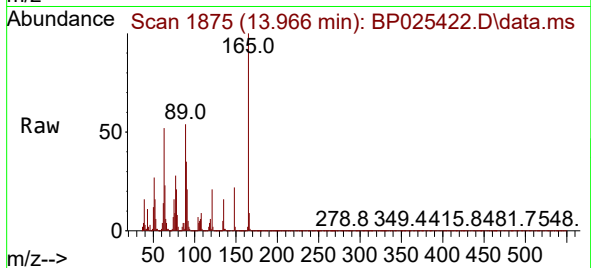
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 40.628 ng
RT: 13.966 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

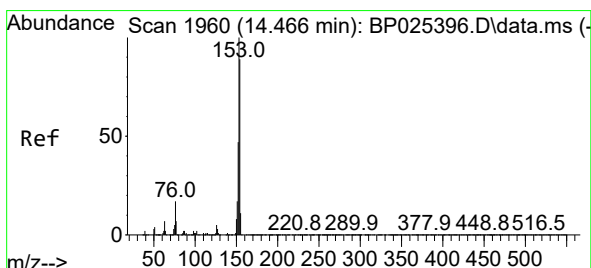
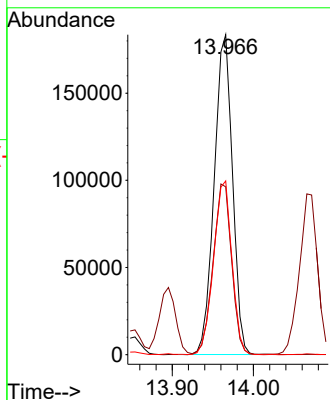
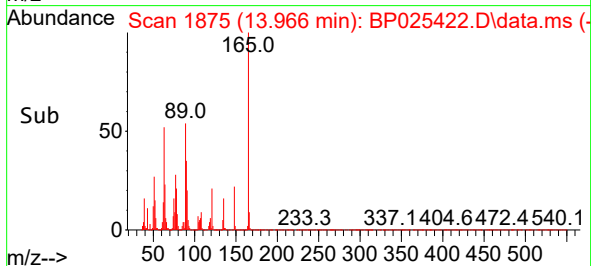
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



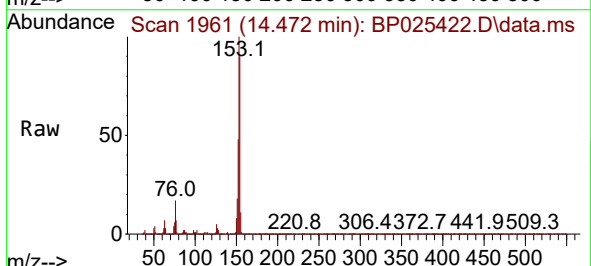
Tgt Ion:165 Resp: 287385
Ion Ratio Lower Upper
165 100
63 52.5 40.9 61.3
89 54.3 42.1 63.1

Manual Integrations
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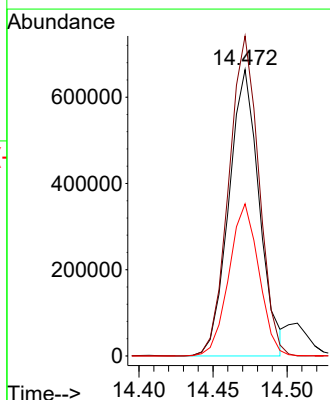
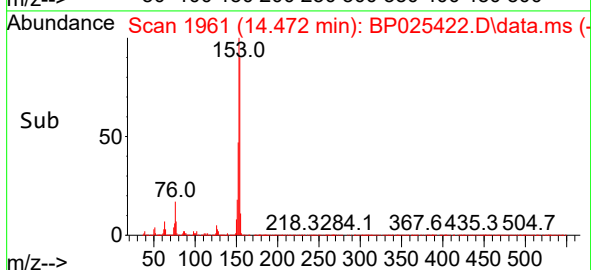
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

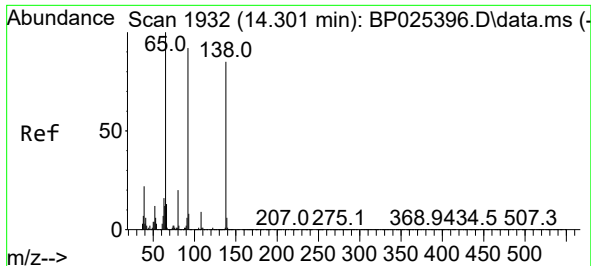


#52
Acenaphthene
Concen: 37.707 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



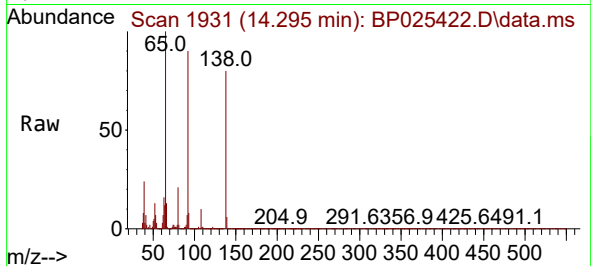
Tgt Ion:154 Resp: 949003
Ion Ratio Lower Upper
154 100
153 111.7 90.2 135.2
152 53.1 42.1 63.1





#53
3-Nitroaniline
Concen: 40.043 ng
RT: 14.295 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

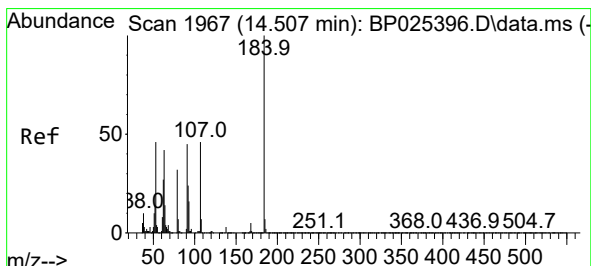
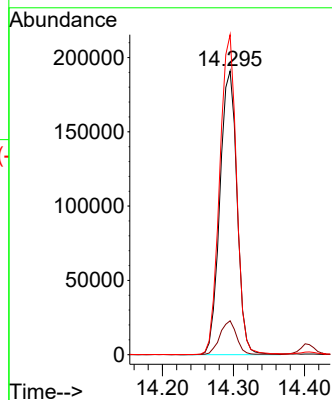
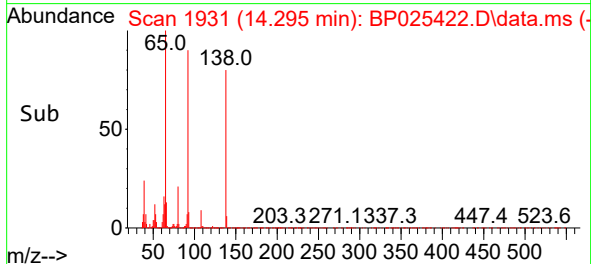
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



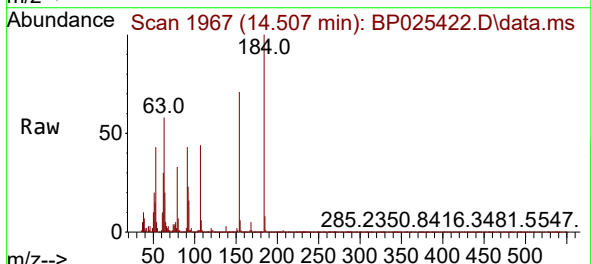
Tgt Ion:138 Resp: 31868
Ion Ratio Lower Upper
138 100
108 11.9 8.3 12.5
92 112.8 86.2 129.2

Manual Integrations
APPROVED

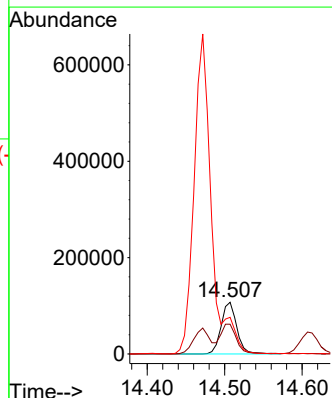
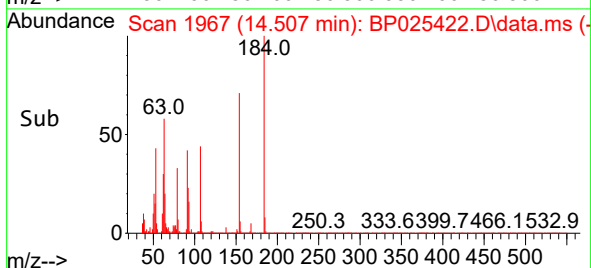
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

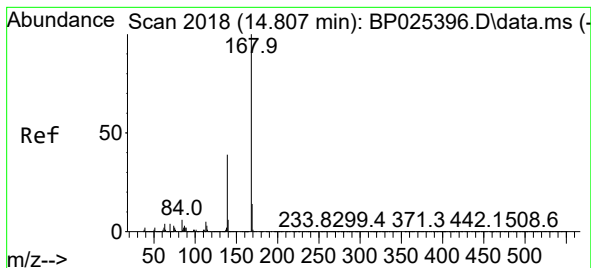


#54
2,4-Dinitrophenol
Concen: 39.794 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



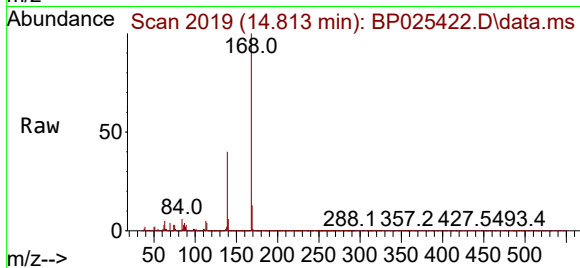
Tgt Ion:184 Resp: 150322
Ion Ratio Lower Upper
184 100
63 57.7 49.4 74.2
154 70.9 54.6 82.0





#55
Dibenzenofuran
Concen: 37.495 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

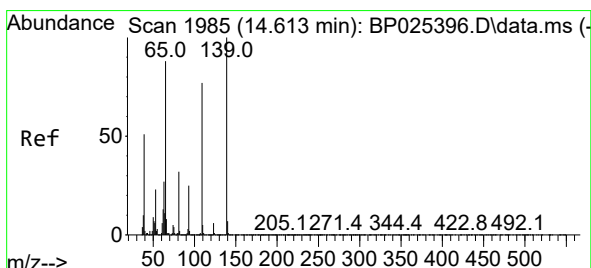
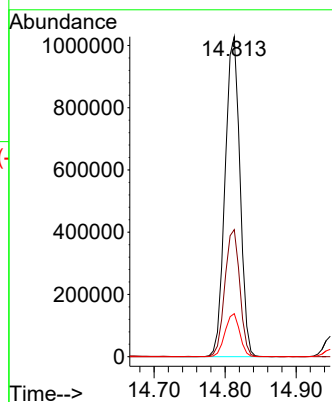
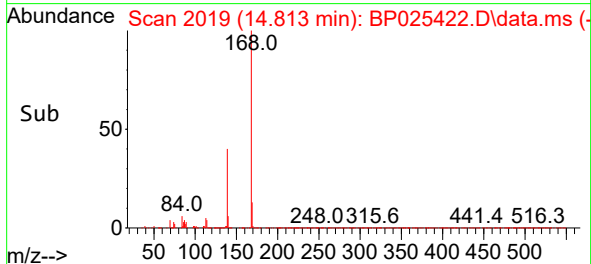
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



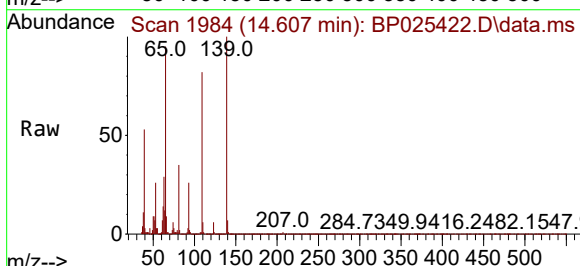
Tgt Ion:168 Resp: 149192
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.4 10.9 16.3

Manual Integrations
APPROVED

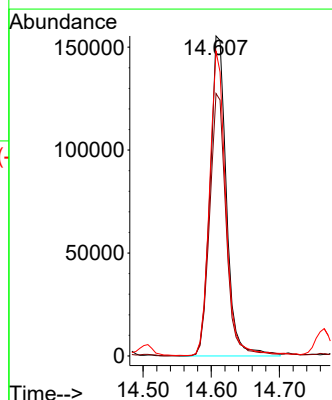
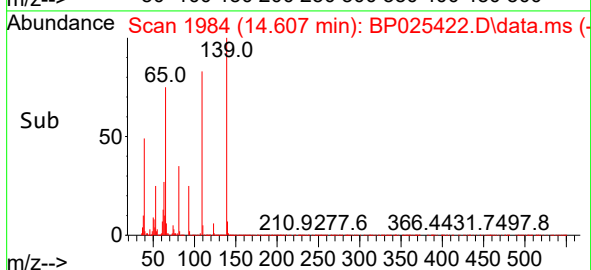
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

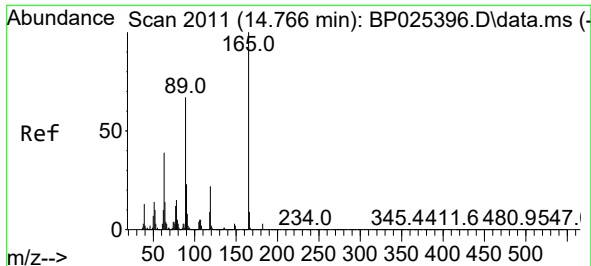


#56
4-Nitrophenol
Concen: 39.771 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:139 Resp: 260098
Ion Ratio Lower Upper
139 100
109 82.0 56.6 96.6
65 95.2 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 40.518 ng
RT: 14.766 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

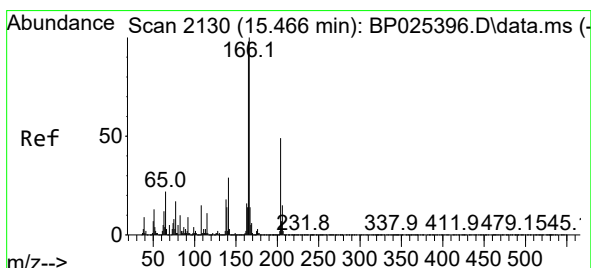
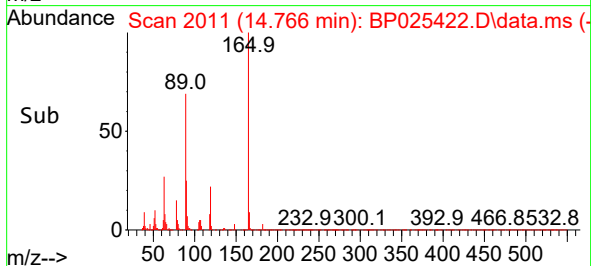
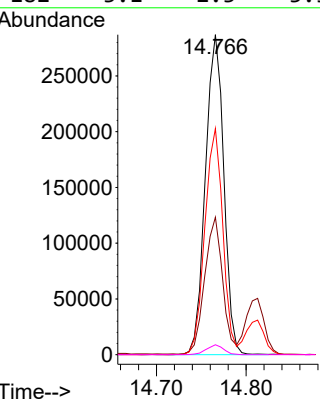
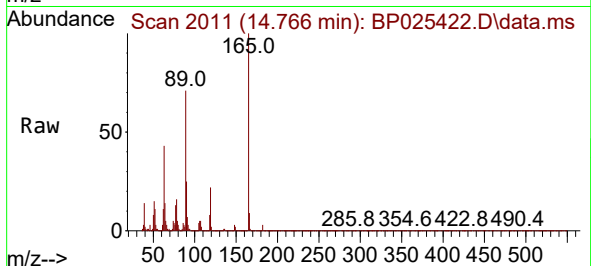
SSTDCCC040

Tgt Ion:165 Resp: 408919
Ion Ratio Lower Upper
165 100
63 43.0 31.4 47.2
89 70.7 53.3 79.9
182 3.1 2.3 3.5

Manual Integrations
APPROVED

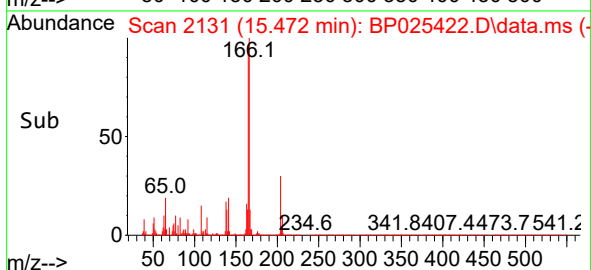
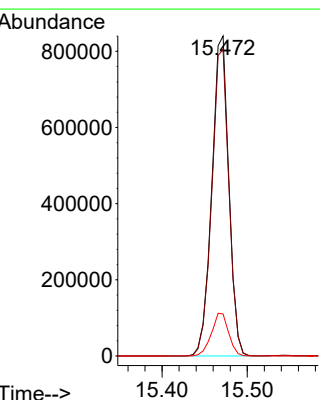
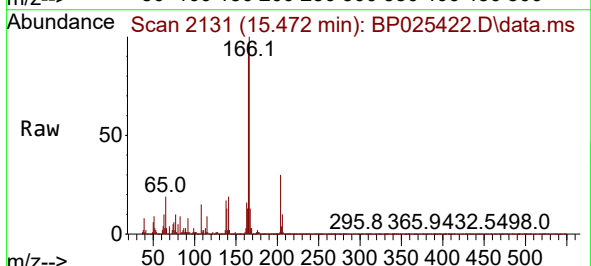
Reviewed By :Rahul Chavli 08/18/2025

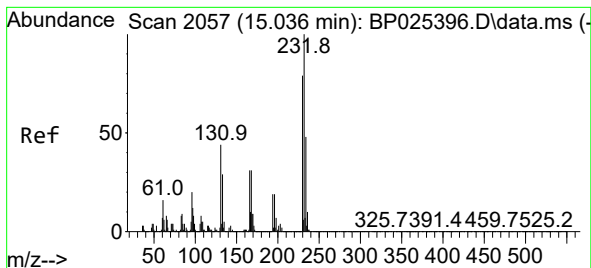
Supervised By :Jagrut Upadhyay 08/18/2025



#58
Fluorene
Concen: 37.121 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

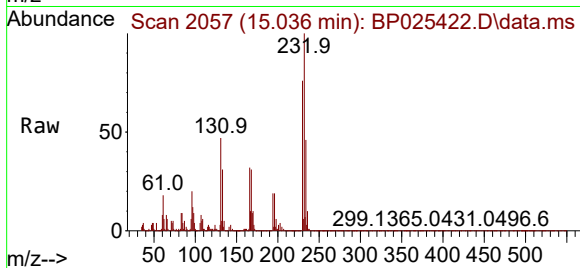
Tgt Ion:166 Resp: 1165482
Ion Ratio Lower Upper
166 100
165 95.8 78.8 118.2
167 13.1 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.927 ng
RT: 15.036 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

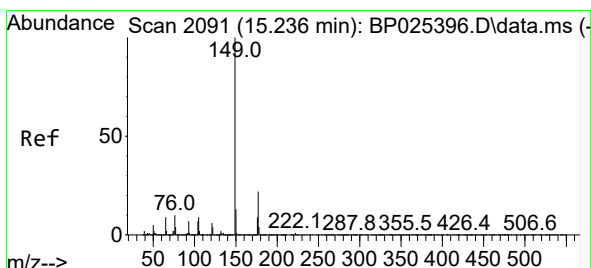
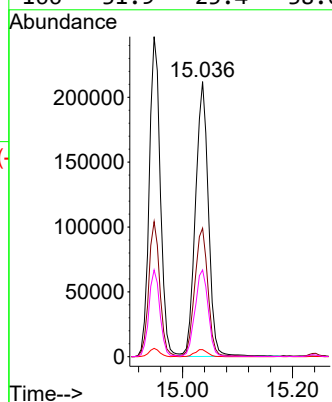
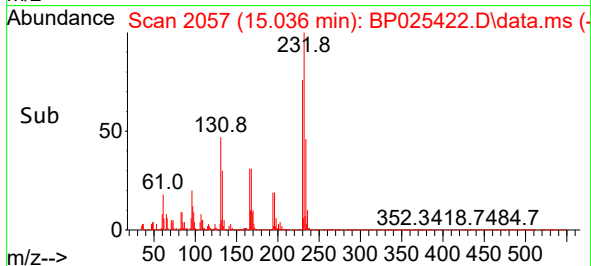
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



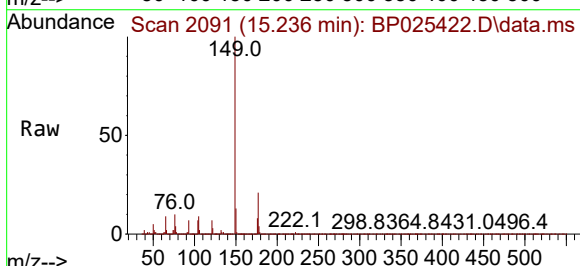
Tgt Ion:232 Resp: 34527
Ion Ratio Lower Upper
232 100
131 47.6 37.0 55.6
130 2.6 1.9 2.9
166 31.9 25.4 38.0

Manual Integrations
APPROVED

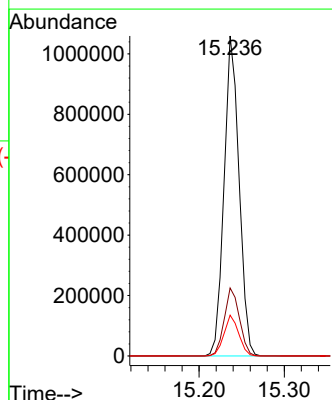
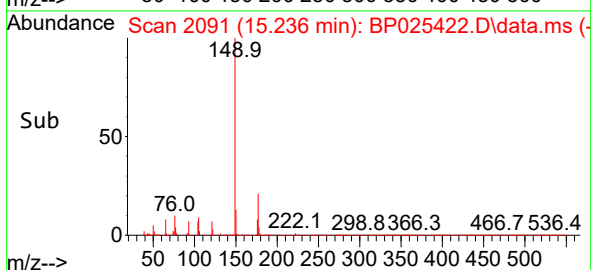
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

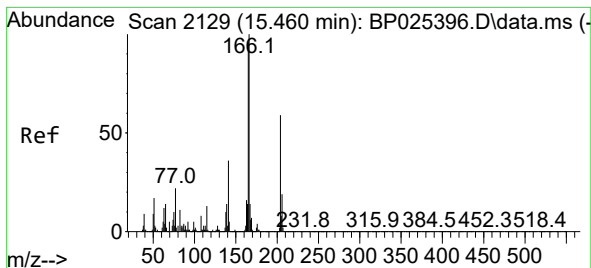


#60
Diethylphthalate
Concen: 38.058 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



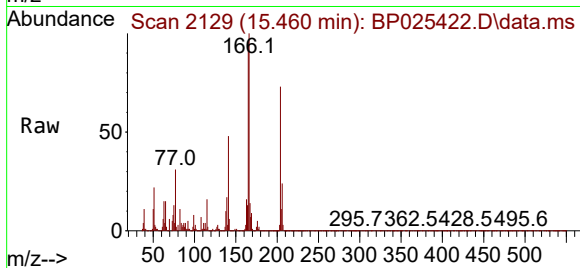
Tgt Ion:149 Resp: 1297841
Ion Ratio Lower Upper
149 100
177 21.3 17.3 25.9
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 36.845 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

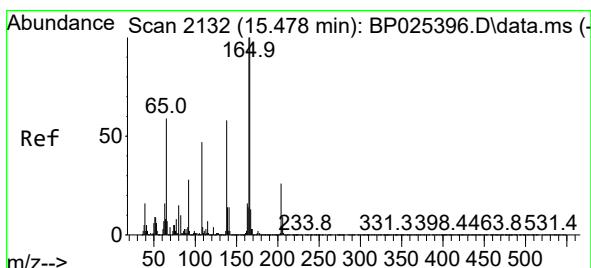
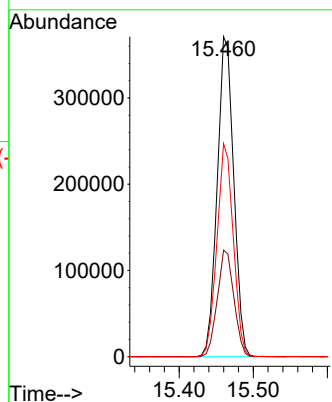
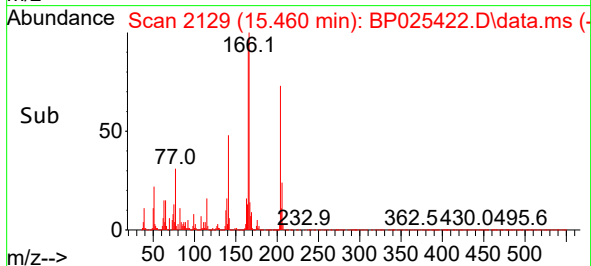
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



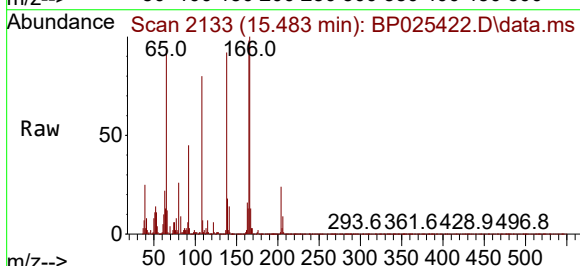
Tgt Ion:204 Resp: 575339
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.8
141 66.6 49.4 74.2

Manual Integrations
APPROVED

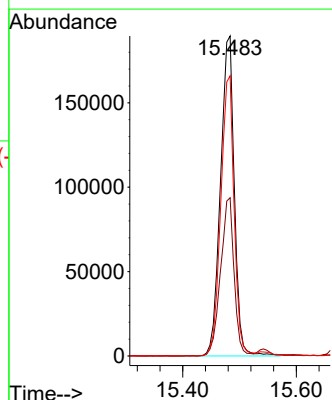
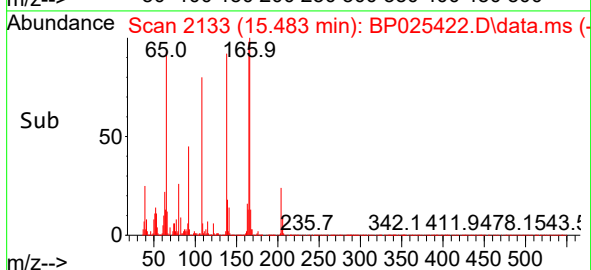
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

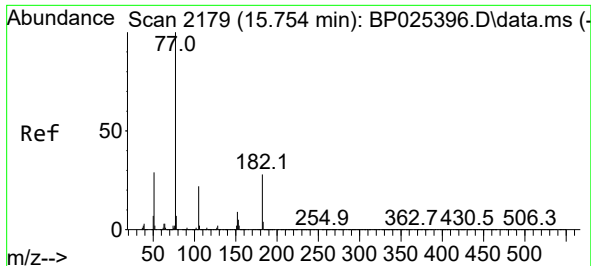


#62
4-Nitroaniline
Concen: 39.397 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



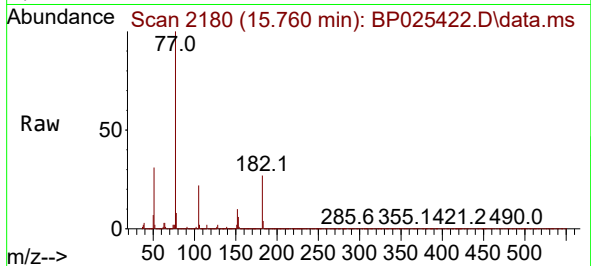
Tgt Ion:138 Resp: 321438
Ion Ratio Lower Upper
138 100
92 49.4 29.1 69.1
108 87.5 61.5 101.5





#63
Azobenzene
Concen: 39.282 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

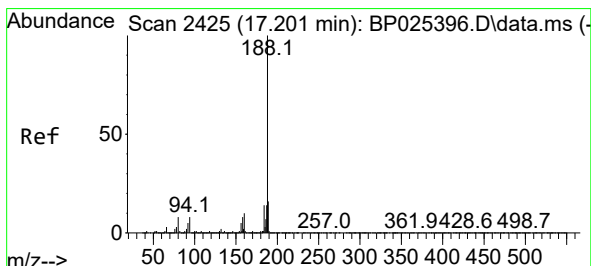
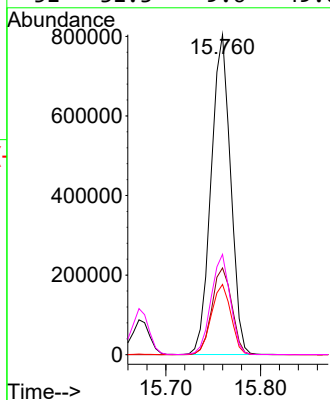
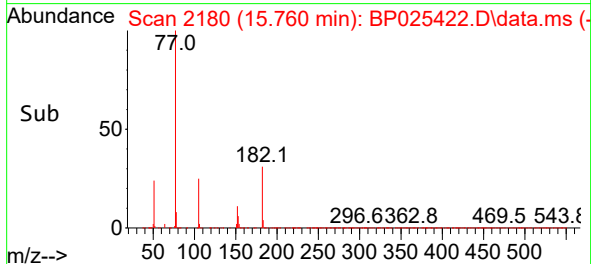
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



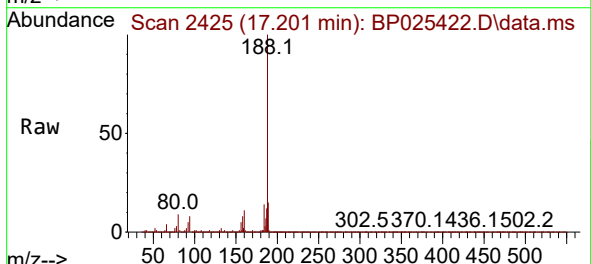
Tgt Ion: 77 Resp: 1147009
Ion Ratio Lower Upper
77 100
182 27.1 7.5 47.5
105 22.0 2.1 42.1
51 31.3 9.6 49.6

Manual Integrations
APPROVED

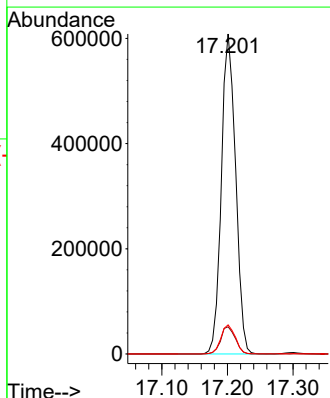
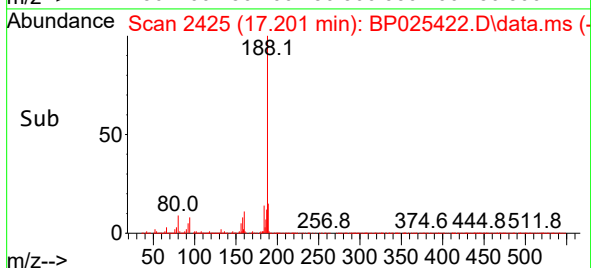
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

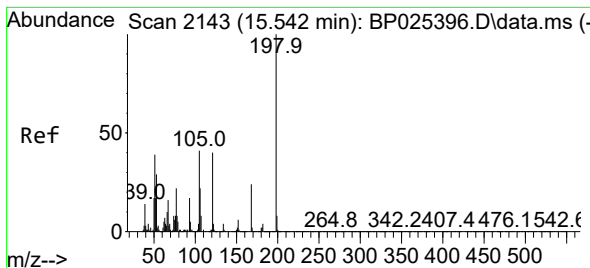


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



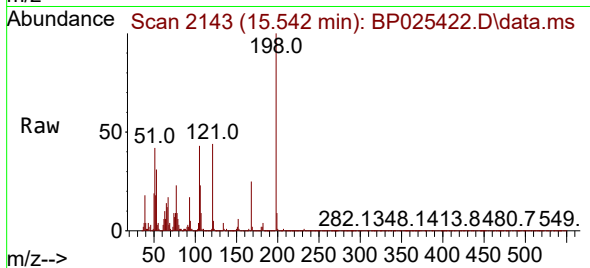
Tgt Ion:188 Resp: 913689
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.1 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 39.253 ng
RT: 15.542 min Scan# 2143
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

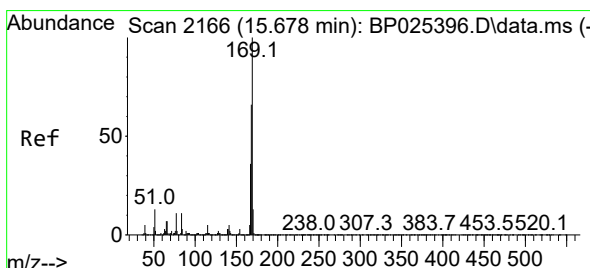
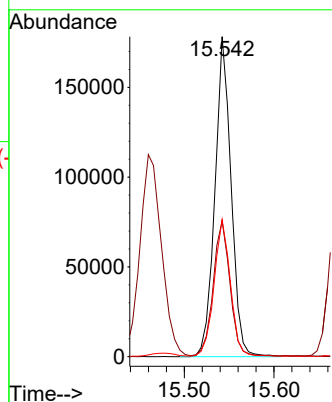
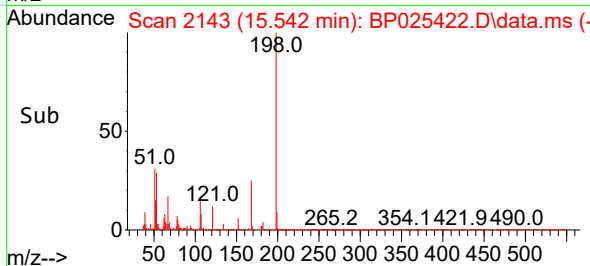
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



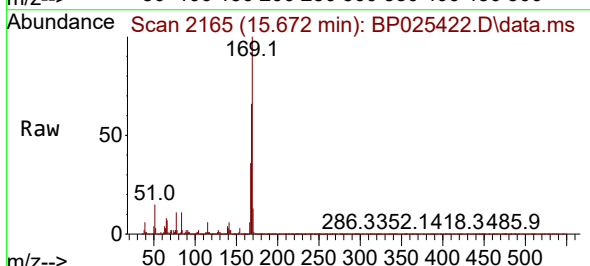
Tgt Ion:198 Resp: 223560
Ion Ratio Lower Upper
198 100
51 42.4 19.6 59.6
105 42.9 20.9 60.9

Manual Integrations
APPROVED

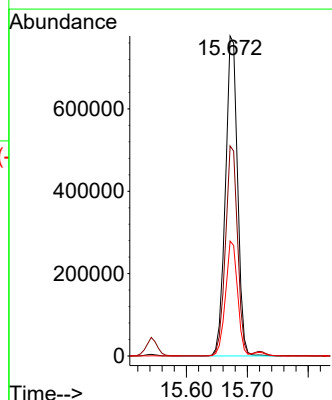
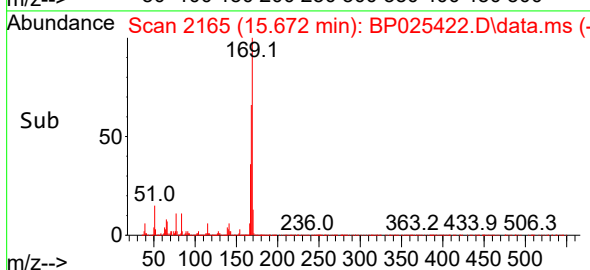
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

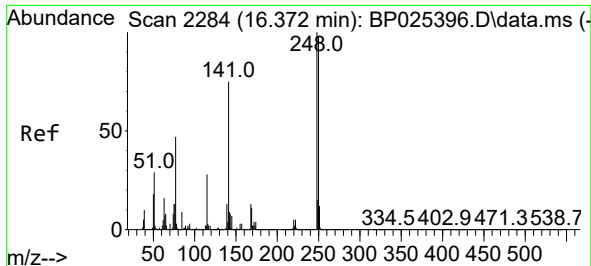


#66
n-Nitrosodiphenylamine
Concen: 38.519 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



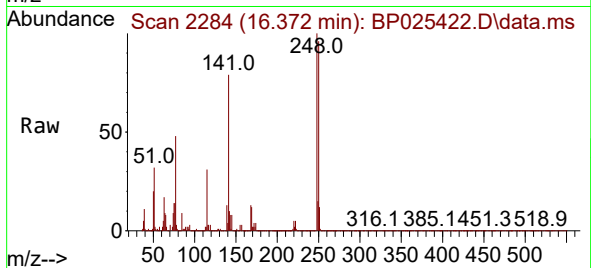
Tgt Ion:169 Resp: 1073233
Ion Ratio Lower Upper
169 100
168 65.7 53.2 79.8
167 35.9 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 38.195 ng
RT: 16.372 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

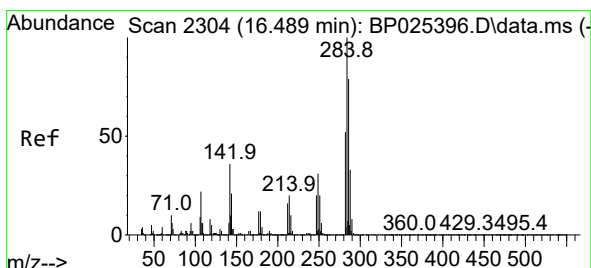
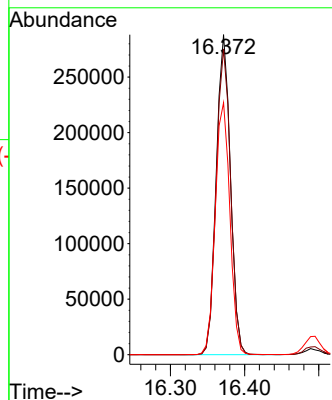
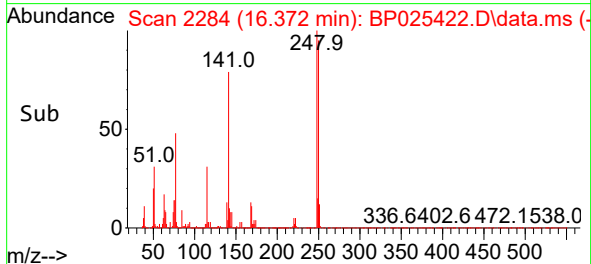
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



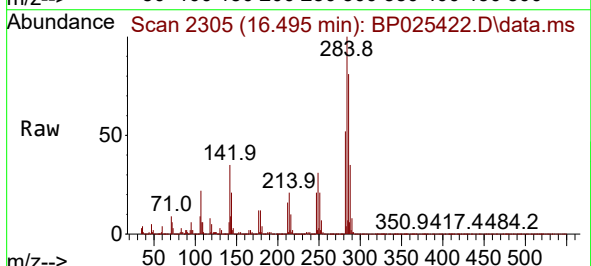
Tgt Ion:248 Resp: 383814
Ion Ratio Lower Upper
248 100
250 95.5 78.2 117.2
141 78.8 59.6 89.4

Manual Integrations
APPROVED

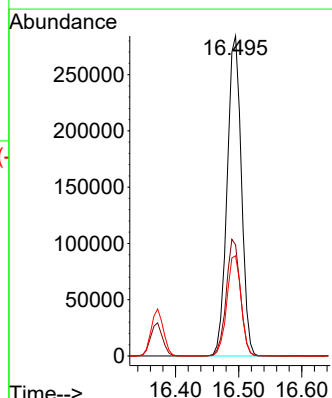
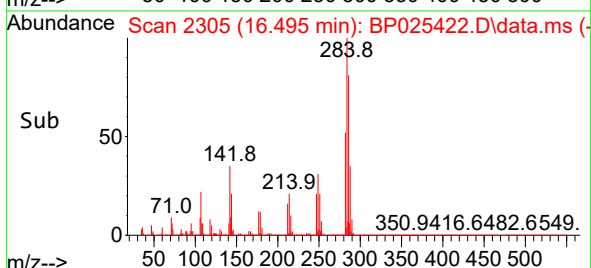
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

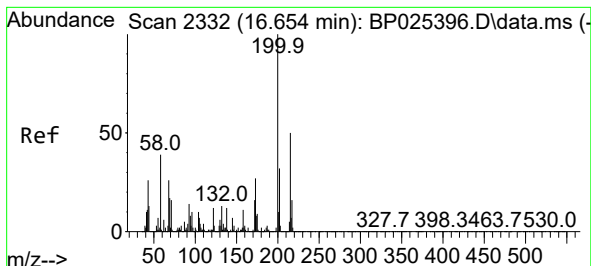


#68
Hexachlorobenzene
Concen: 37.966 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:284 Resp: 442250
Ion Ratio Lower Upper
284 100
142 34.8 29.1 43.7
249 31.3 25.0 37.4





#69

Atrazine

Concen: 37.872 ng

RT: 16.654 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

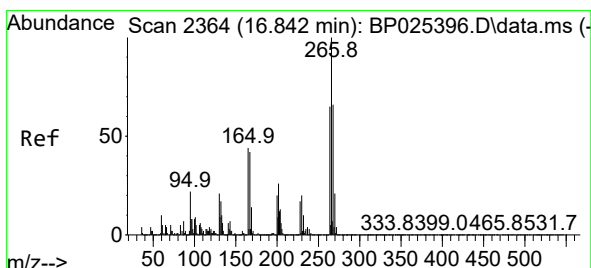
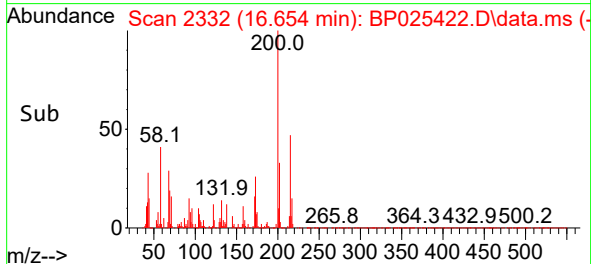
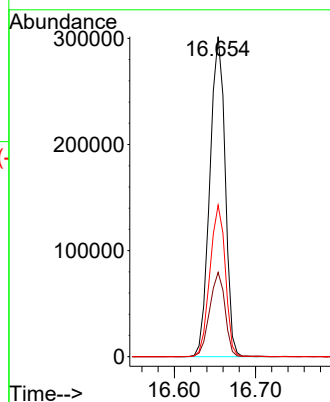
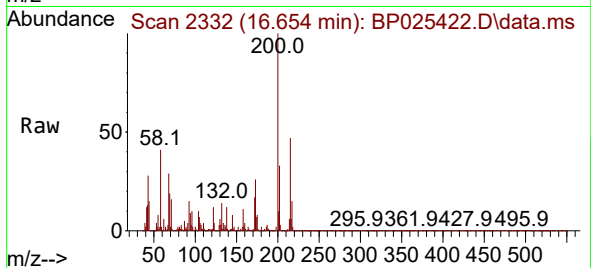
Tgt Ion:	200	Resp:	395168
Ion Ratio	Lower	Upper	
200	100		
173	26.3	6.7	46.7
215	47.3	29.7	69.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#70

Pentachlorophenol

Concen: 40.681 ng

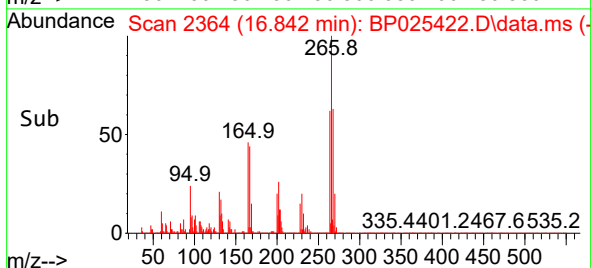
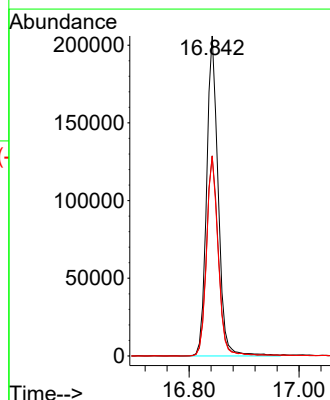
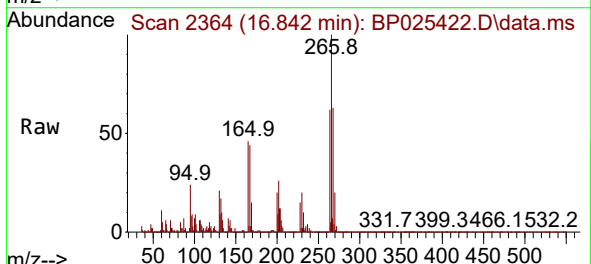
RT: 16.842 min Scan# 2364

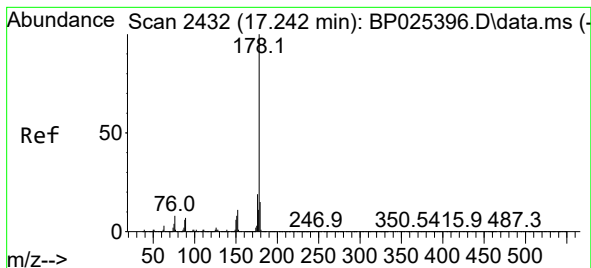
Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Tgt Ion:	266	Resp:	299142
Ion Ratio	Lower	Upper	
266	100		
268	62.5	52.6	79.0
264	62.4	52.0	78.0





#71

Phenanthrene

Concen: 37.862 ng

RT: 17.248 min Scan# 2432

Delta R.T. 0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:178 Resp: 1900372

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

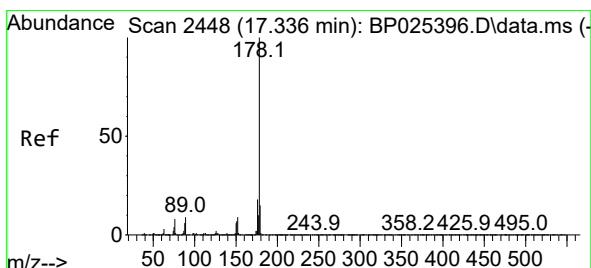
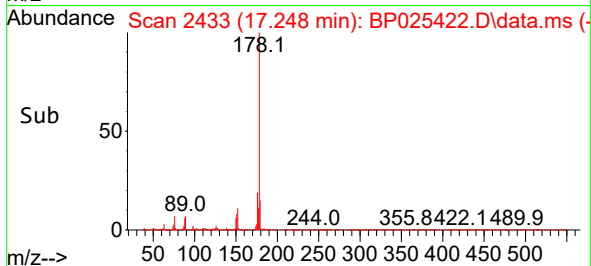
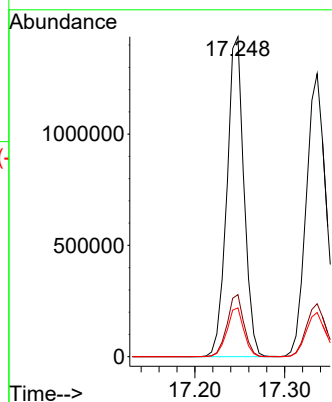
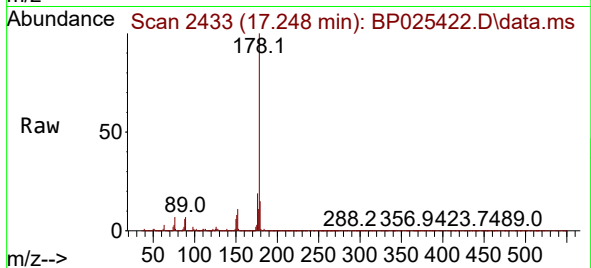
179 15.2 12.2 18.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#72

Anthracene

Concen: 38.117 ng

RT: 17.336 min Scan# 2448

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

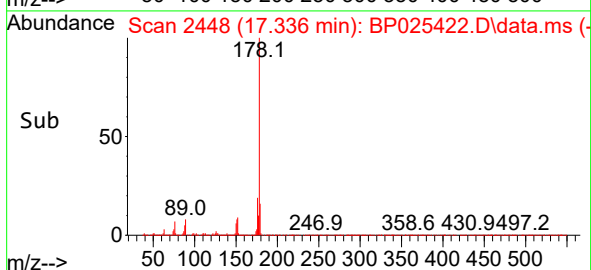
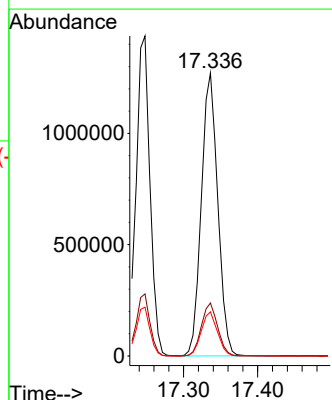
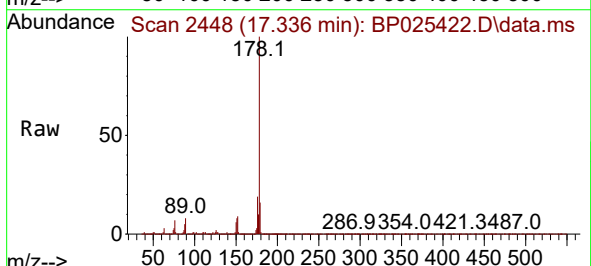
Tgt Ion:178 Resp: 1953735

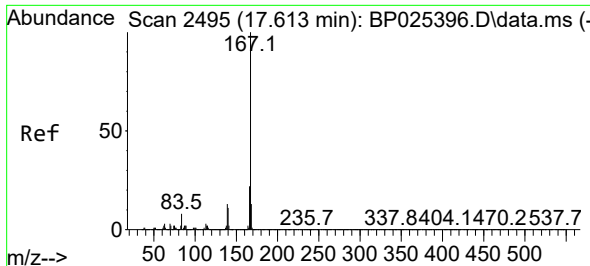
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

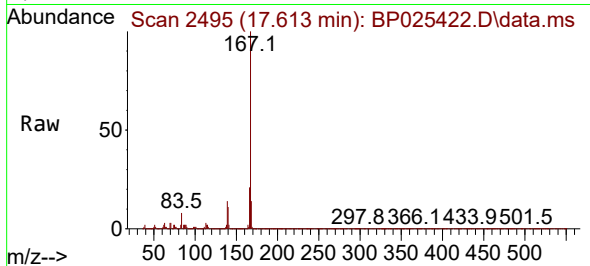
179 15.6 12.2 18.2





#73
 Carbazole
 Concen: 37.549 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

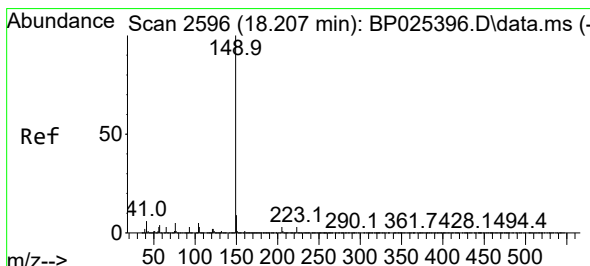
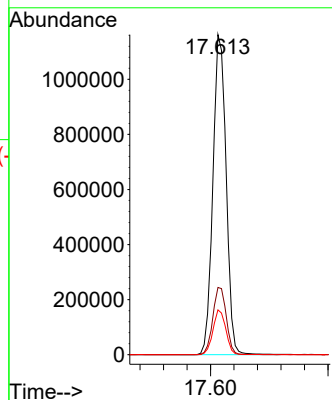
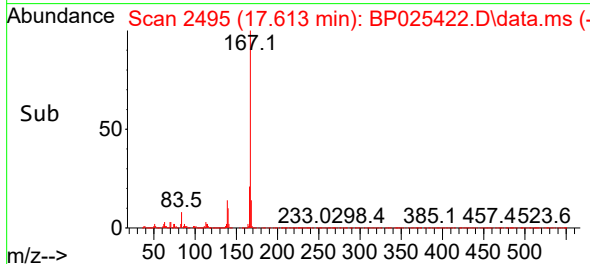
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040



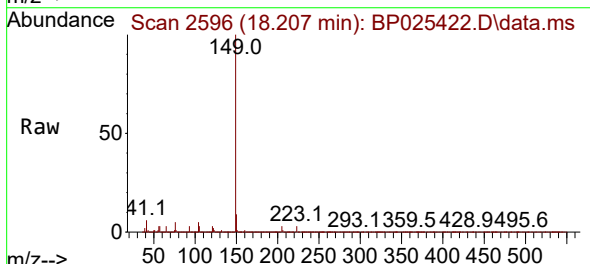
Tgt Ion:167 Resp: 1812820
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.5 26.3
 139 14.0 10.6 16.0

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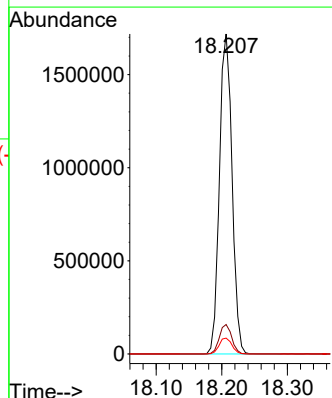
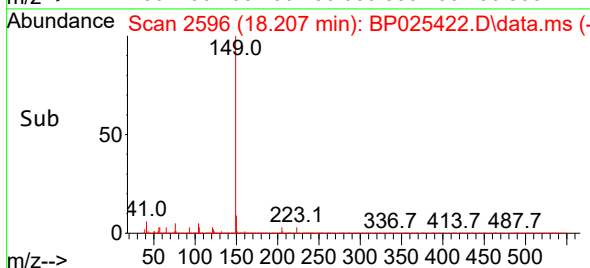
Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

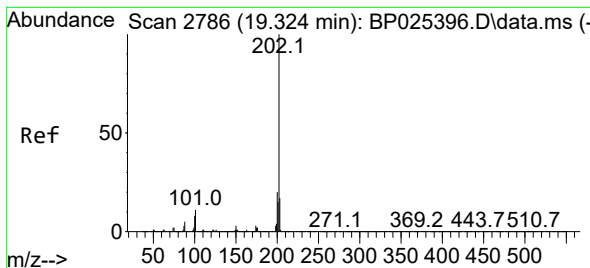


#74
 Di-n-butylphthalate
 Concen: 38.345 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36



Tgt Ion:149 Resp: 2277638
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 4.9 4.2 6.2





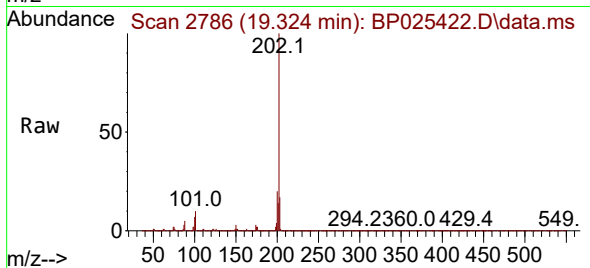
#75
Fluoranthene
Concen: 37.721 ng
RT: 19.324 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

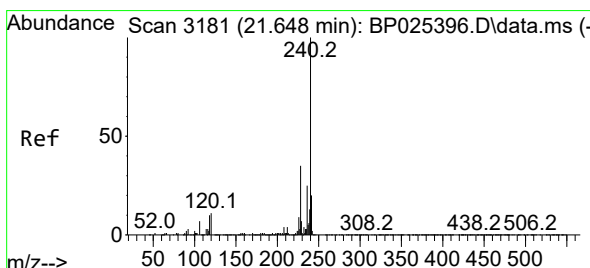
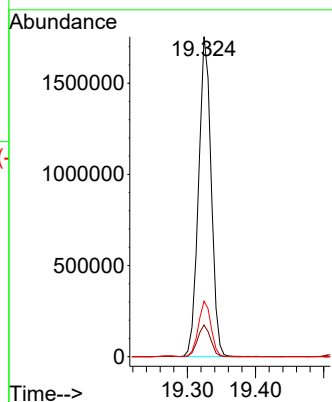
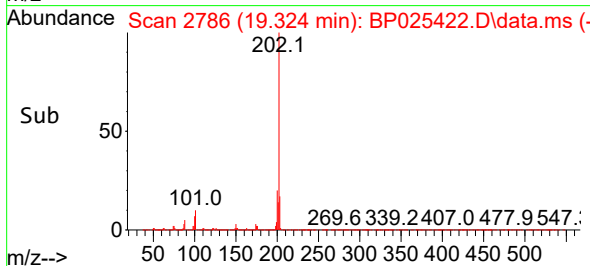


Tgt Ion:202 Resp: 2258330
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 17.4 0.0 37.3

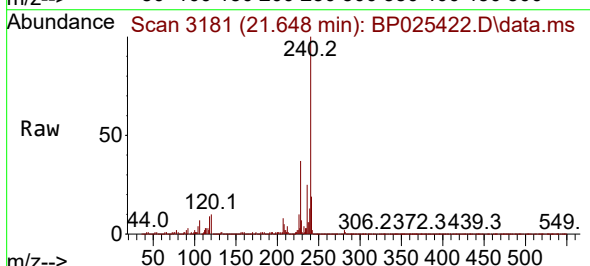
Manual Integrations
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Reviewed By :Rahul Chavli 08/18/2025

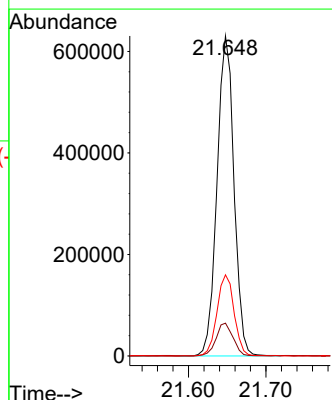
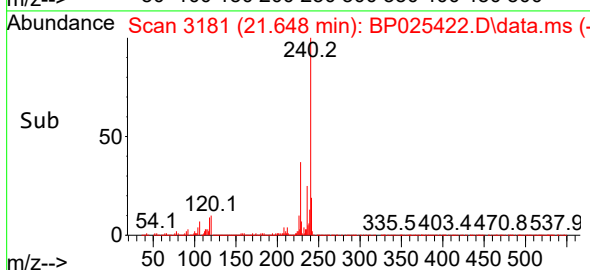
Supervised By :Jagrut Upadhyay 08/18/2025

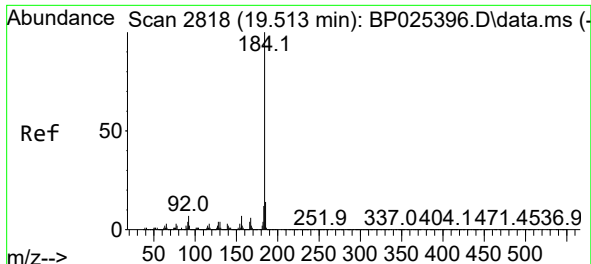


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



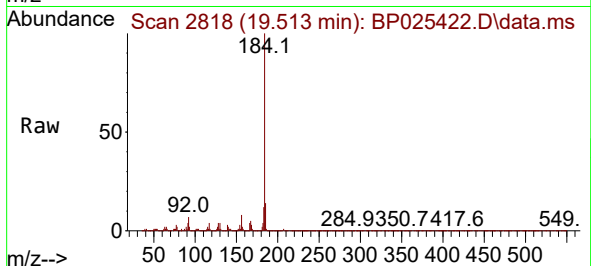
Tgt Ion:240 Resp: 958309
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.4 19.8 29.8





#77
Benzidine
Concen: 56.911 ng
RT: 19.513 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

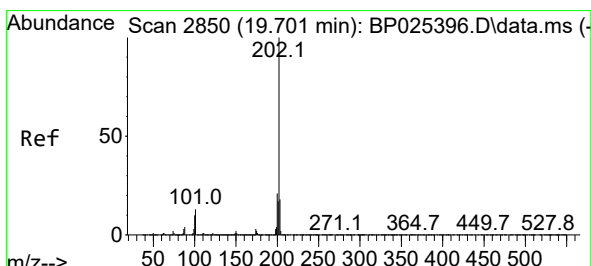
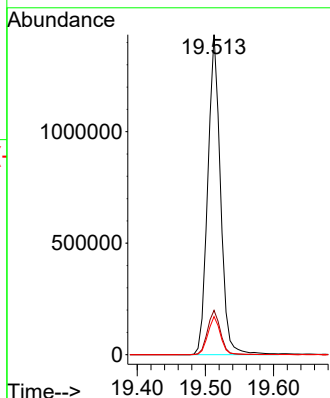
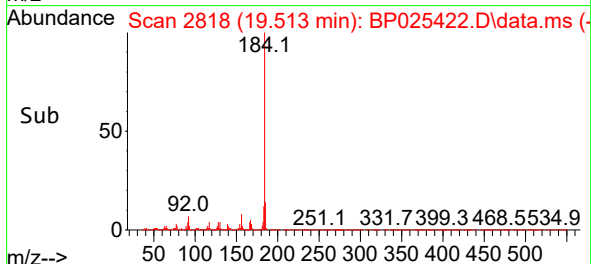
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



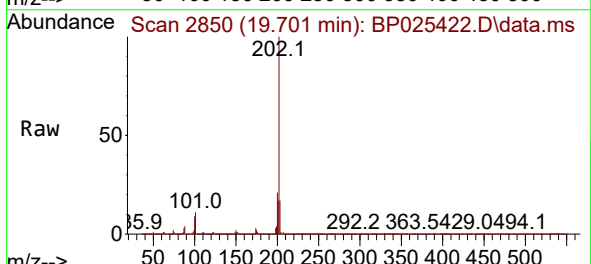
Tgt Ion:184 Resp: 1861268
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 11.9 9.4 14.2

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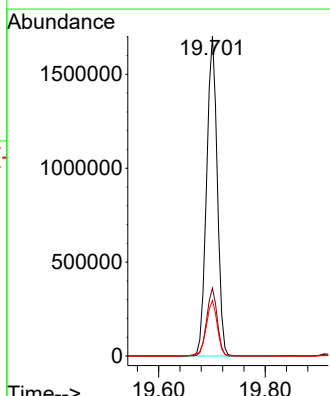
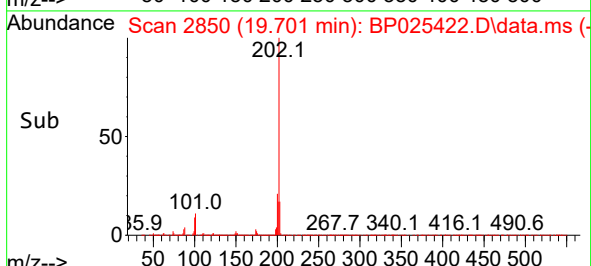
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

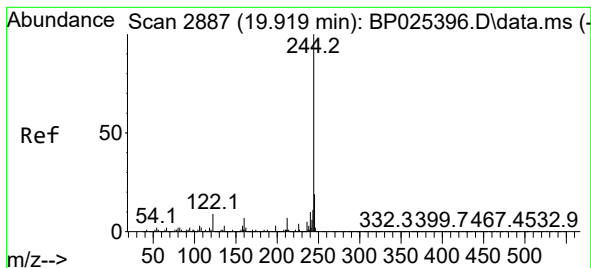


#78
Pyrene
Concen: 37.884 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:202 Resp: 2359709
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 75.070 ng

RT: 19.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 393209

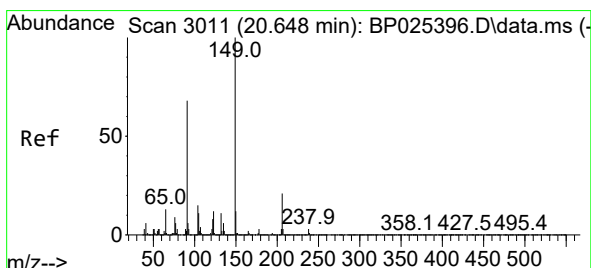
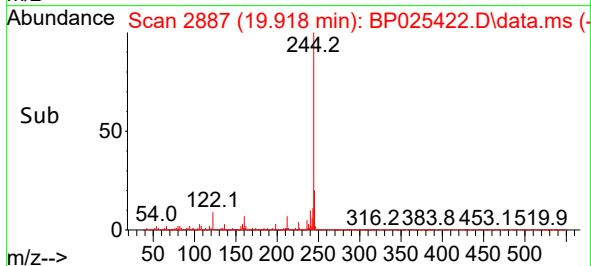
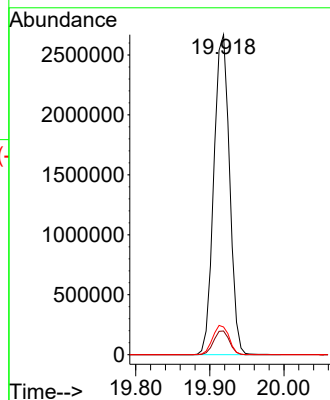
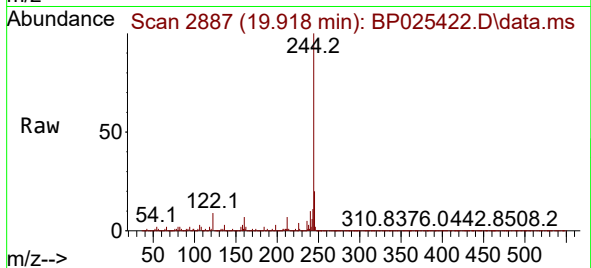
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	8.7	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#80

Butylbenzylphthalate

Concen: 37.699 ng

RT: 20.654 min Scan# 3012

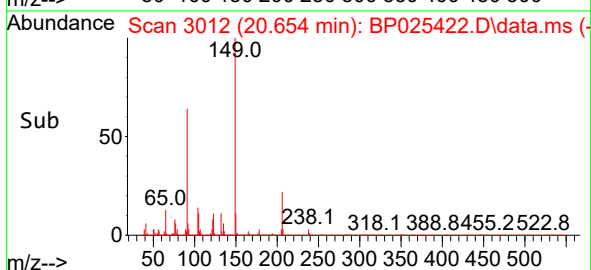
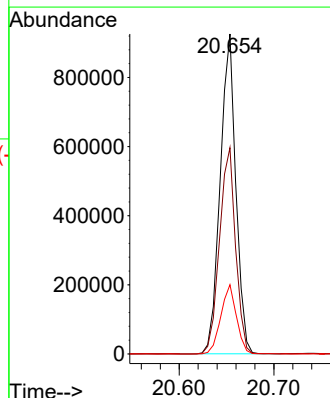
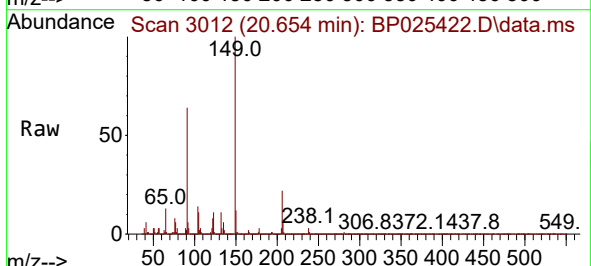
Delta R.T. 0.006 min

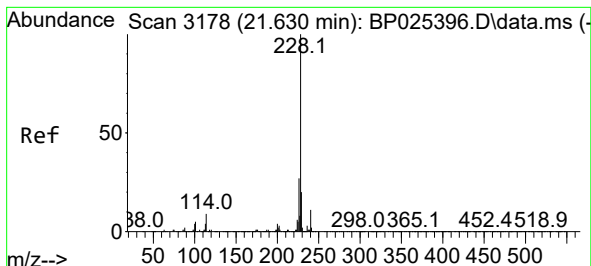
Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1064206

Ion	Ratio	Lower	Upper
149	100		
91	64.5	54.2	81.2
206	21.7	16.6	24.8





#81

Benzo(a)anthracene

Concen: 37.816 ng

RT: 21.630 min Scan# 3178

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 2390024

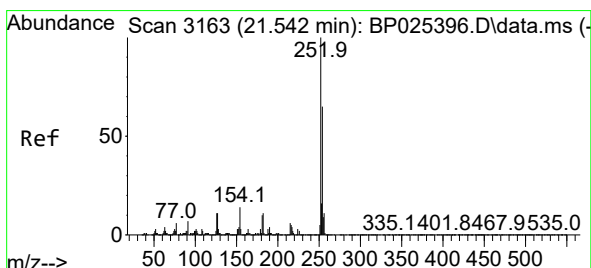
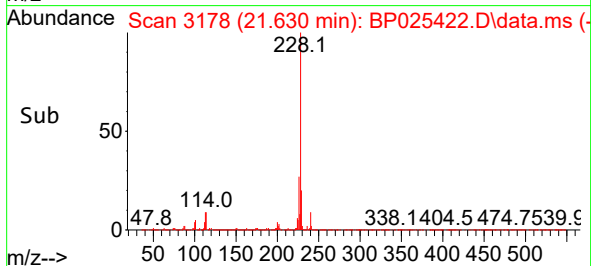
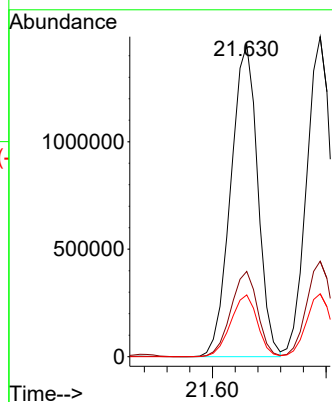
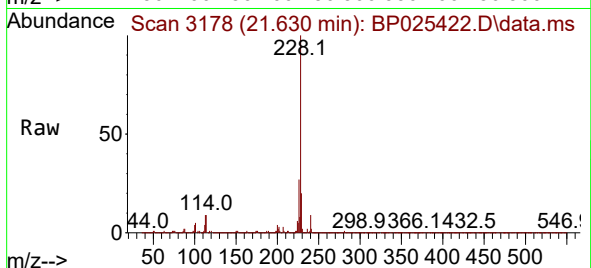
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.8	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#82

3,3'-Dichlorobenzidine

Concen: 38.057 ng

RT: 21.536 min Scan# 3162

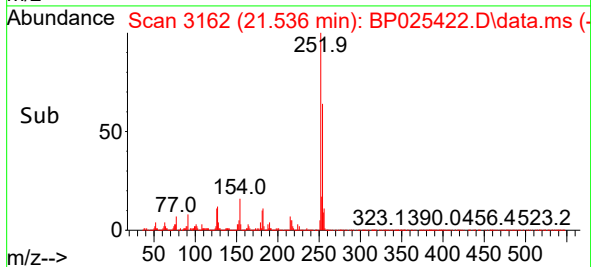
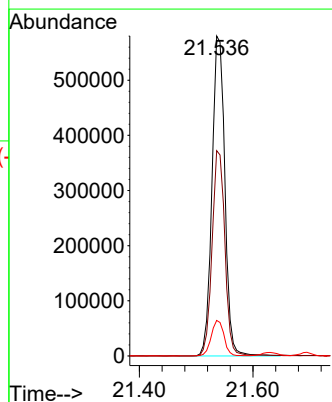
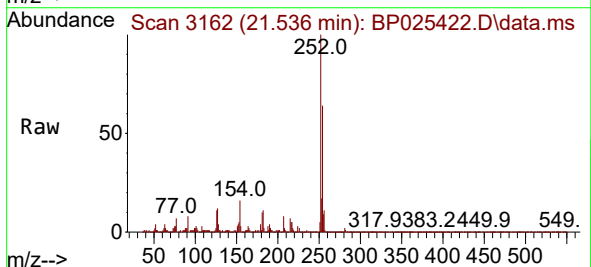
Delta R.T. -0.006 min

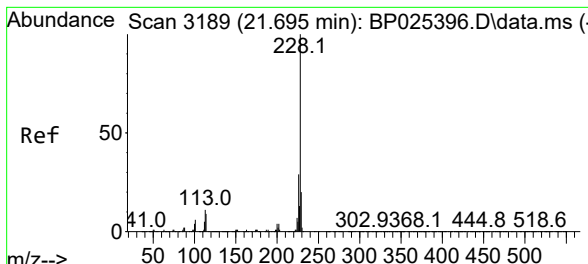
Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 906596

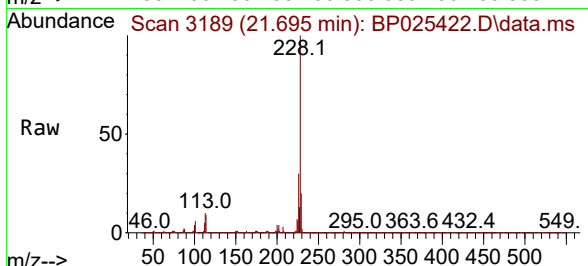
Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	11.1	9.1	13.7





#83
Chrysene
Concen: 37.876 ng
RT: 21.695 min Scan# 3189
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

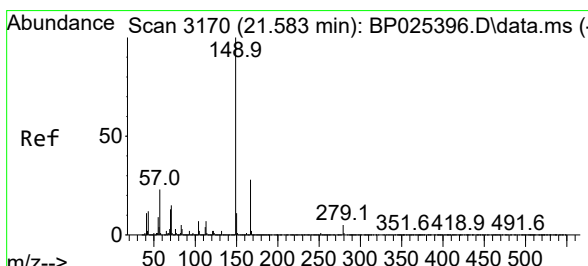
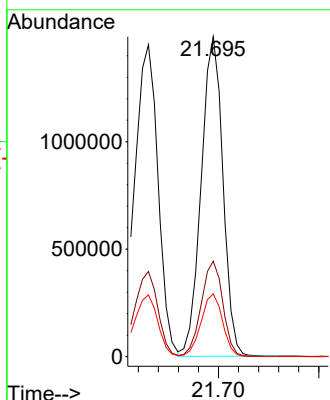
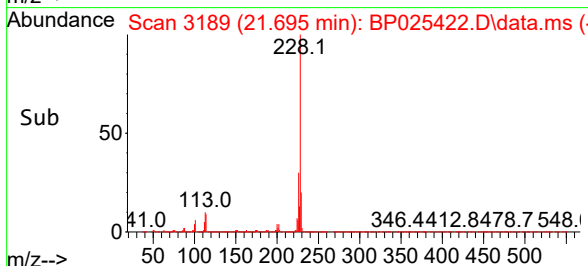
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



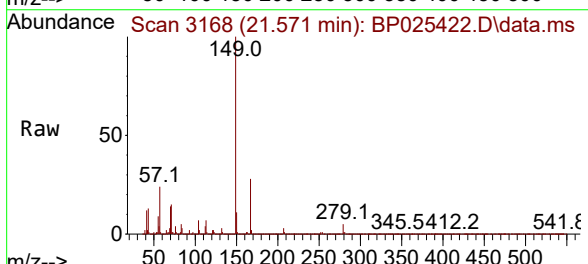
Tgt Ion:228 Resp: 2241792
Ion Ratio Lower Upper
228 100
226 29.8 23.2 34.8
229 19.7 15.6 23.4

Manual Integrations
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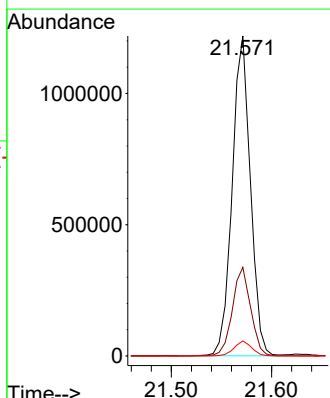
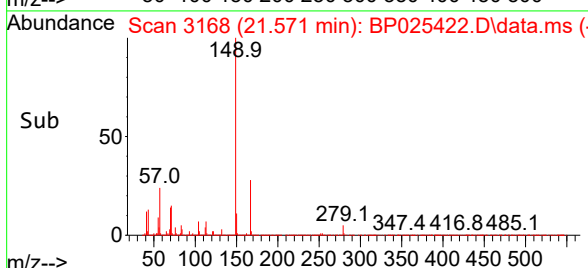
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

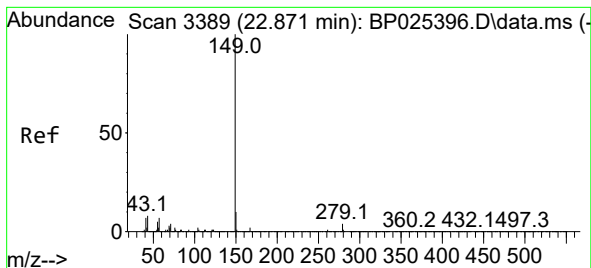


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.052 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



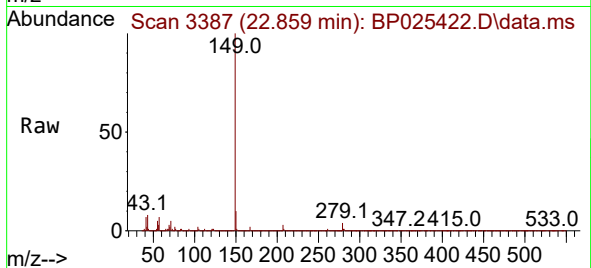
Tgt Ion:149 Resp: 1539693
Ion Ratio Lower Upper
149 100
167 27.7 22.1 33.1
279 4.7 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 37.018 ng
RT: 22.859 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

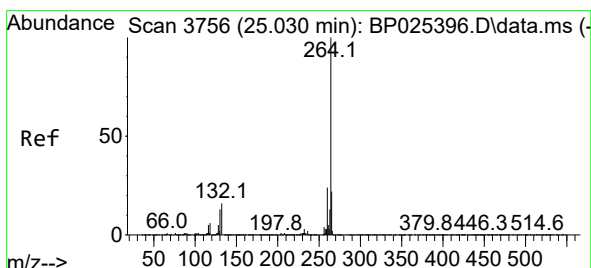
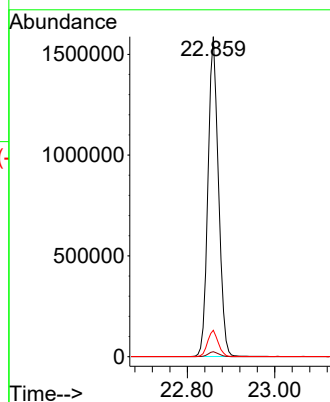
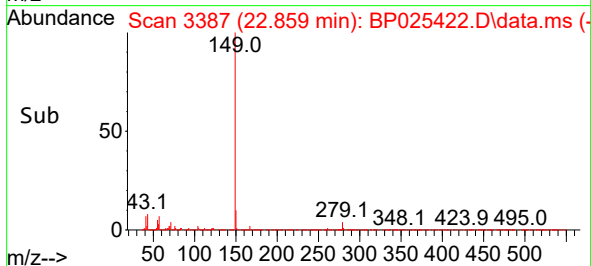
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



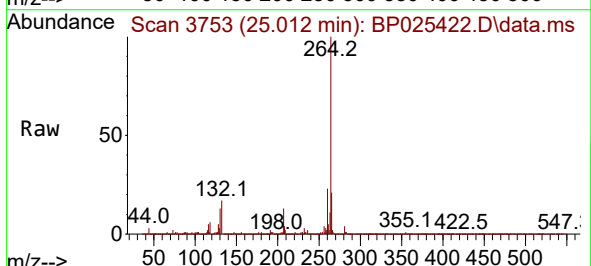
Tgt Ion:149 Resp: 264592
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.3 6.3 9.5

Manual Integrations
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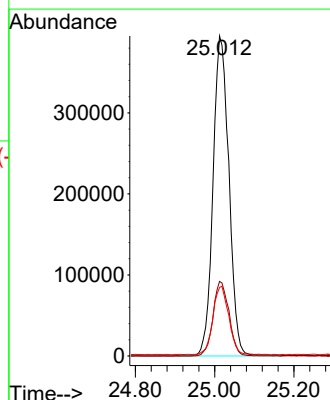
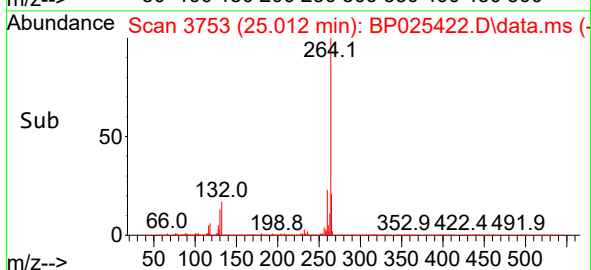
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

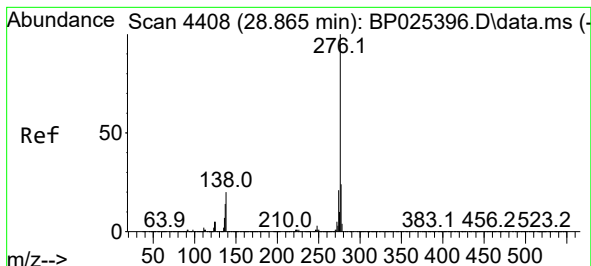


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:264 Resp: 1096861
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.082 ng

RT: 28.865 min Scan# 4408

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 314369

Ion Ratio Lower Upper

276 100

138 17.7 12.9 19.3

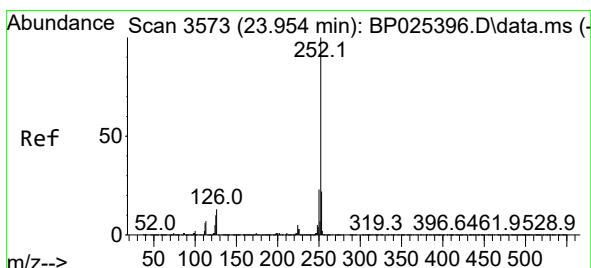
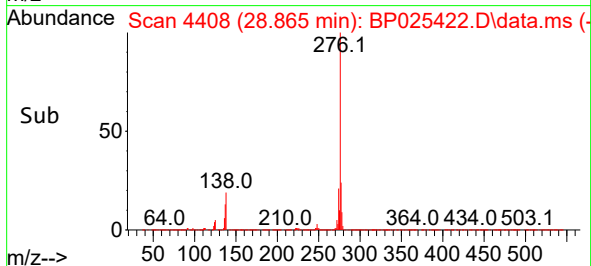
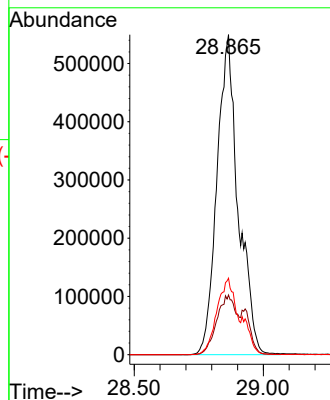
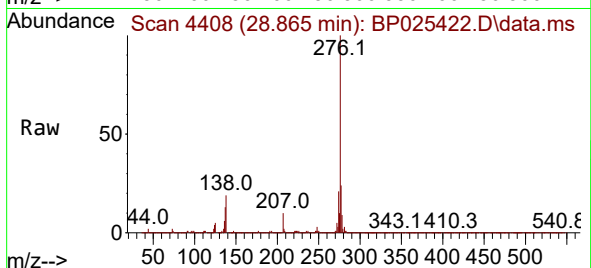
277 21.0 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#88

Benzo(b)fluoranthene

Concen: 38.843 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

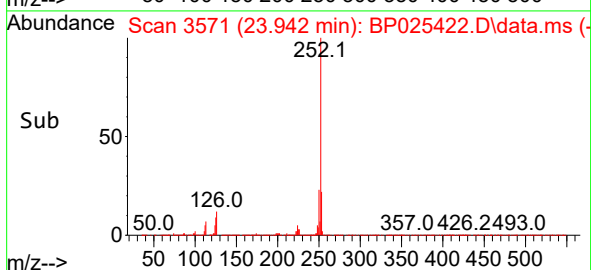
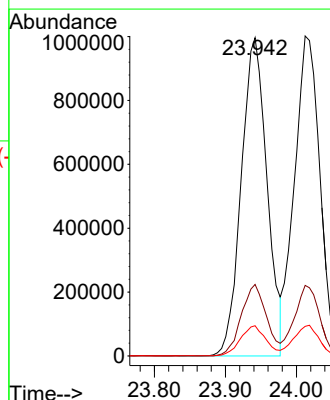
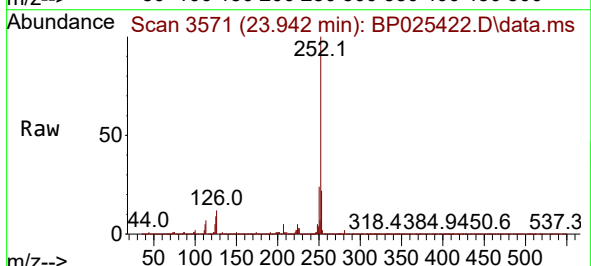
Tgt Ion:252 Resp: 2512340

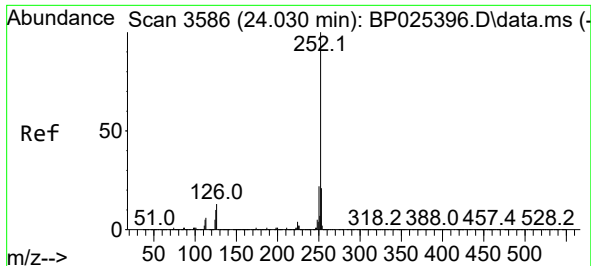
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

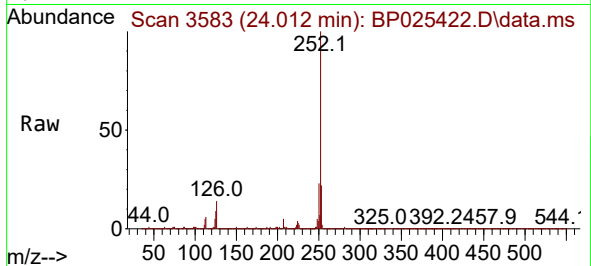
125 9.5 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 38.446 ng
RT: 24.012 min Scan# 3586
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

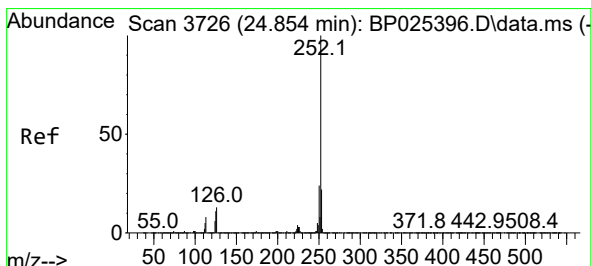
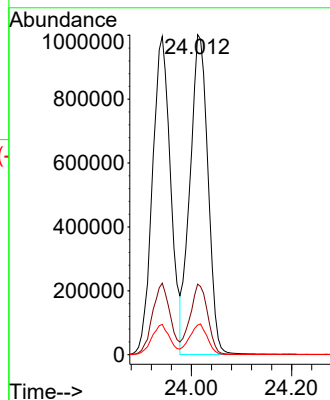
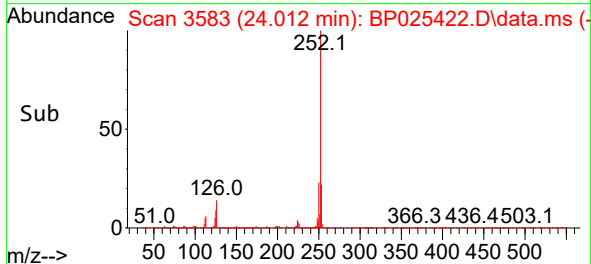
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



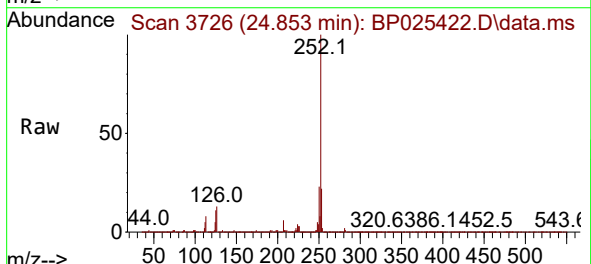
Tgt Ion:252 Resp: 248834
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 9.3 7.8 11.6

Manual Integrations
APPROVED

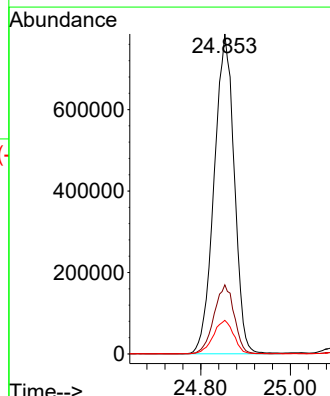
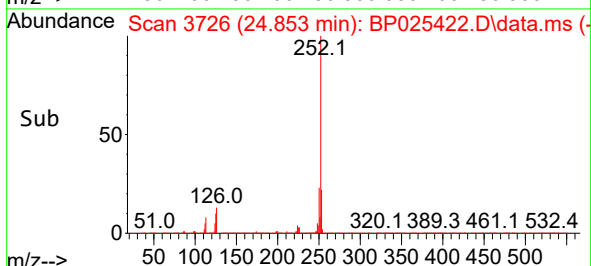
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

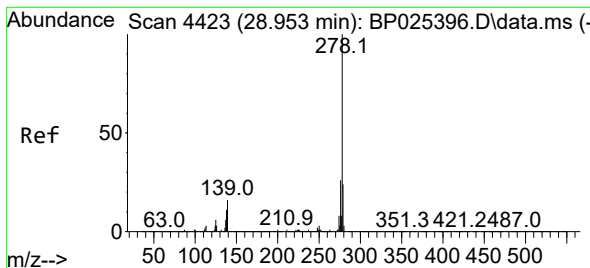


#90
Benzo(a)pyrene
Concen: 38.805 ng
RT: 24.853 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36



Tgt Ion:252 Resp: 2443181
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 39.482 ng

RT: 28.930 min Scan# 44

Delta R.T. -0.024 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 2595384

Ion Ratio Lower Upper

278 100

139 14.5 13.0 19.4

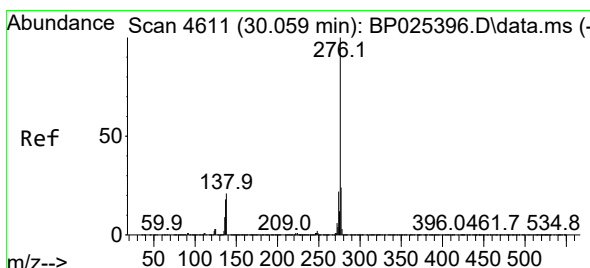
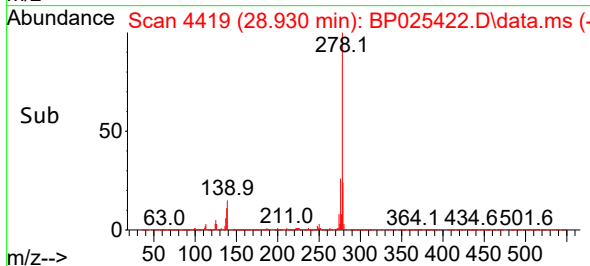
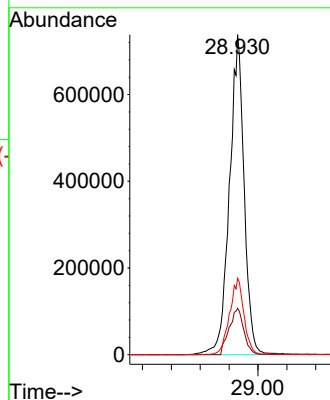
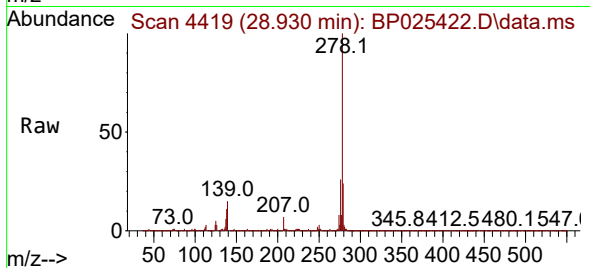
279 23.9 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#92

Benzo(g,h,i)perylene

Concen: 39.255 ng

RT: 30.012 min Scan# 4603

Delta R.T. -0.047 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

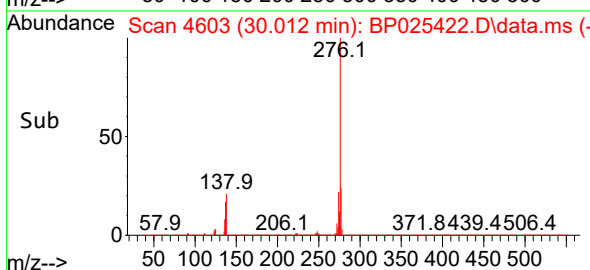
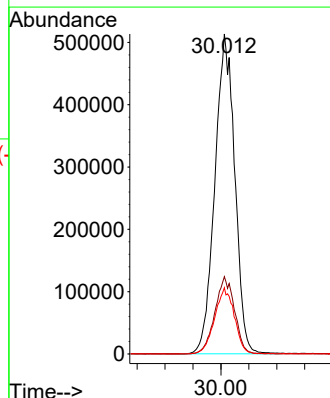
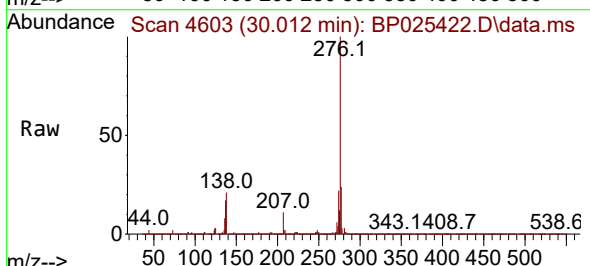
Tgt Ion:276 Resp: 2536518

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 20.7 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	1,4-Dioxane	0.472	0.440	6.8	102	0.00
3	Pyridine	1.291	1.243	3.7	105	0.00
4	n-Nitrosodimethylamine	0.532	0.550	-3.4	111	0.00
5 S	2-Fluorophenol	1.204	1.169	2.9	104	0.00
6	Aniline	2.080	2.076	0.2	106	0.00
7 S	Phenol-d6	1.544	1.519	1.6	104	0.00
8	2-Chlorophenol	1.359	1.343	1.2	106	0.00
9	Benzaldehyde	1.082	1.423	-31.5#	108	0.00
10 C	Phenol	1.620	1.590	1.9	104	0.00
11	bis(2-Chloroethyl)ether	1.263	1.245	1.4	105	0.00
12	1,3-Dichlorobenzene	1.499	1.479	1.3	106	0.00
13 C	1,4-Dichlorobenzene	1.532	1.481	3.3	104	-0.01
14	1,2-Dichlorobenzene	1.483	1.440	2.9	104	0.00
15	Benzyl Alcohol	1.227	1.233	-0.5	107	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.704	-0.7	109	0.00
17	2-Methylphenol	1.125	1.118	0.6	104	0.00
18	Hexachloroethane	0.563	0.557	1.1	106	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	1.005	1.8	105	0.00
20	3+4-Methylphenols	1.560	1.543	1.1	105	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22	Acetophenone	0.502	0.486	3.2	106	0.00
23 S	Nitrobenzene-d5	0.395	0.392	0.8	108	0.00
24	Nitrobenzene	0.353	0.352	0.3	108	0.00
25	Isophorone	0.700	0.671	4.1	105	0.00
26 C	2-Nitrophenol	0.181	0.179	1.1	104	0.00
27	2,4-Dimethylphenol	0.312	0.304	2.6	104	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.405	4.3	105	-0.01
29 C	2,4-Dichlorophenol	0.310	0.300	3.2	103	0.00
30	1,2,4-Trichlorobenzene	0.340	0.322	5.3	104	0.00
31	Naphthalene	1.040	0.996	4.2	105	0.00
32	Benzoic acid	0.230	0.217	5.7	101	0.00
33	4-Chloroaniline	0.459	0.450	2.0	105	0.00
34 C	Hexachlorobutadiene	0.211	0.204	3.3	105	0.00
35	Caprolactam	0.114	0.108	5.3	104	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.345	2.8	105	-0.01
37	2-Methylnaphthalene	0.676	0.646	4.4	104	0.00
38	1-Methylnaphthalene	0.719	0.673	6.4	103	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.559	3.3	104	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.352	-0.9	105	0.00
42 S	2,4,6-Tribromophenol	0.269	0.264	1.9	104	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.383	1.8	104	0.00
44	2,4,5-Trichlorophenol	0.427	0.424	0.7	104	0.00
45 S	2-Fluorobiphenyl	1.463	1.380	5.7	103	0.00
46	1,1'-Biphenyl	1.453	1.404	3.4	104	0.00
47	2-Chloronaphthalene	1.131	1.096	3.1	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.337	-2.4	106	0.00
49	Acenaphthylene	1.871	1.799	3.8	103	0.00
50	Dimethylphthalate	1.465	1.393	4.9	103	0.00
51	2,6-Dinitrotoluene	0.309	0.314	-1.6	105	0.00
52 C	Acenaphthene	1.098	1.035	5.7	103	0.00
53	3-Nitroaniline	0.347	0.348	-0.3	106	0.00
54 P	2,4-Dinitrophenol	0.165	0.164	0.6	104	0.00
55	Dibenzofuran	1.736	1.628	6.2	101	0.00
56 P	4-Nitrophenol	0.285	0.284	0.4	105	0.00
57	2,4-Dinitrotoluene	0.440	0.446	-1.4	106	0.00
58	Fluorene	1.370	1.272	7.2	101	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.377	0.0	106	0.00
60	Diethylphthalate	1.488	1.416	4.8	103	0.00
61	4-Chlorophenyl-phenylether	0.681	0.628	7.8	100	0.00
62	4-Nitroaniline	0.356	0.351	1.4	104	0.00
63	Azobenzene	1.274	1.251	1.8	105	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.122	2.4	103	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.587	3.8	103	0.00
67	4-Bromophenyl-phenylether	0.220	0.210	4.5	102	0.00
68	Hexachlorobenzene	0.255	0.242	5.1	103	0.00
69	Atrazine	0.228	0.216	5.3	102	0.00
70 C	Pentachlorophenol	0.161	0.164	-1.9	107	0.00
71	Phenanthrene	1.099	1.040	5.4	103	0.00
72	Anthracene	1.122	1.069	4.7	102	0.00
73	Carbazole	1.057	0.992	6.1	102	0.00
74	Di-n-butylphthalate	1.300	1.246	4.2	103	0.00
75 C	Fluoranthene	1.311	1.236	5.7	104	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77	Benzydine	0.683	0.971	-42.2#	107	0.00
78	Pyrene	1.300	1.231	5.3	103	0.00
79 S	Terphenyl-d14	1.093	1.026	6.1	105	0.00
80	Butylbenzylphthalate	0.589	0.555	5.8	102	0.00
81	Benzo(a)anthracene	1.319	1.247	5.5	105	0.00
82	3,3'-Dichlorobenzidine	0.497	0.473	4.8	103	0.00
83	Chrysene	1.235	1.170	5.3	105	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.803	7.4	103	-0.01
85 c	Di-n-octyl phthalate	1.492	1.381	7.4	102	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	107	-0.02
87	Indeno(1,2,3-cd)pyrene	1.467	1.433	2.3	109	0.00
88	Benzo(b)fluoranthene	1.179	1.145	2.9	108	-0.01
89	Benzo(k)fluoranthene	1.180	1.134	3.9	108	-0.02
90 C	Benzo(a)pyrene	1.148	1.114	3.0	108	0.00
91	Dibenzo(a,h)anthracene	1.199	1.183	1.3	110	-0.02
92	Benzo(g,h,i)perylene	1.178	1.156	1.9	109	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2	1,4-Dioxane	40.000	37.293	6.8	102	0.00
3	Pyridine	40.000	38.504	3.7	105	0.00
4	n-Nitrosodimethylamine	40.000	41.341	-3.4	111	0.00
5 S	2-Fluorophenol	80.000	77.682	2.9	104	0.00
6	Aniline	40.000	39.917	0.2	106	0.00
7 S	Phenol-d6	80.000	78.694	1.6	104	0.00
8	2-Chlorophenol	40.000	39.543	1.1	106	0.00
9	Benzaldehyde	40.000	52.616	-31.5#	108	0.00
10 C	Phenol	40.000	39.253	1.9	104	0.00
11	bis(2-Chloroethyl)ether	40.000	39.423	1.4	105	0.00
12	1,3-Dichlorobenzene	40.000	39.468	1.3	106	0.00
13 C	1,4-Dichlorobenzene	40.000	38.666	3.3	104	-0.01
14	1,2-Dichlorobenzene	40.000	38.837	2.9	104	0.00
15	Benzyl Alcohol	40.000	40.199	-0.5	107	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.282	-0.7	109	0.00
17	2-Methylphenol	40.000	39.752	0.6	104	0.00
18	Hexachloroethane	40.000	39.542	1.1	106	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.304	1.7	105	0.00
20	3+4-Methylphenols	40.000	39.561	1.1	105	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22	Acetophenone	40.000	38.792	3.0	106	0.00
23 S	Nitrobenzene-d5	80.000	79.367	0.8	108	0.00
24	Nitrobenzene	40.000	39.805	0.5	108	0.00
25	Isophorone	40.000	38.387	4.0	105	0.00
26 C	2-Nitrophenol	40.000	39.458	1.4	104	0.00
27	2,4-Dimethylphenol	40.000	39.018	2.5	104	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.258	4.4	105	-0.01
29 C	2,4-Dichlorophenol	40.000	38.724	3.2	103	0.00
30	1,2,4-Trichlorobenzene	40.000	37.921	5.2	104	0.00
31	Naphthalene	40.000	38.324	4.2	105	0.00
32	Benzoic acid	40.000	37.734	5.7	101	0.00
33	4-Chloroaniline	40.000	39.164	2.1	105	0.00
34 C	Hexachlorobutadiene	40.000	38.652	3.4	105	0.00
35	Caprolactam	40.000	37.951	5.1	104	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.840	2.9	105	-0.01
37	2-Methylnaphthalene	40.000	38.190	4.5	104	0.00
38	1-Methylnaphthalene	40.000	37.439	6.4	103	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	104	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.717	3.2	104	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.319	-0.8	105	0.00
42 S	2,4,6-Tribromophenol	80.000	78.381	2.0	104	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.291	1.8	104	0.00
44	2,4,5-Trichlorophenol	40.000	39.656	0.9	104	0.00
45 S	2-Fluorobiphenyl	80.000	75.449	5.7	103	0.00
46	1,1'-Biphenyl	40.000	38.672	3.3	104	0.00
47	2-Chloronaphthalene	40.000	38.780	3.0	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.910	-2.3	106	0.00
49	Acenaphthylene	40.000	38.457	3.9	103	0.00
50	Dimethylphthalate	40.000	38.040	4.9	103	0.00
51	2,6-Dinitrotoluene	40.000	40.628	-1.6	105	0.00
52 C	Acenaphthene	40.000	37.707	5.7	103	0.00
53	3-Nitroaniline	40.000	40.043	-0.1	106	0.00
54 P	2,4-Dinitrophenol	40.000	39.794	0.5	104	0.00
55	Dibenzofuran	40.000	37.495	6.3	101	0.00
56 P	4-Nitrophenol	40.000	39.771	0.6	105	0.00
57	2,4-Dinitrotoluene	40.000	40.518	-1.3	106	0.00
58	Fluorene	40.000	37.121	7.2	101	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.927	0.2	106	0.00
60	Diethylphthalate	40.000	38.058	4.9	103	0.00
61	4-Chlorophenyl-phenylether	40.000	36.845	7.9	100	0.00
62	4-Nitroaniline	40.000	39.397	1.5	104	0.00
63	Azobenzene	40.000	39.282	1.8	105	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.253	1.9	103	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.519	3.7	103	0.00
67	4-Bromophenyl-phenylether	40.000	38.195	4.5	102	0.00
68	Hexachlorobenzene	40.000	37.966	5.1	103	0.00
69	Atrazine	40.000	37.872	5.3	102	0.00
70 C	Pentachlorophenol	40.000	40.681	-1.7	107	0.00
71	Phenanthrene	40.000	37.862	5.3	103	0.00
72	Anthracene	40.000	38.117	4.7	102	0.00
73	Carbazole	40.000	37.549	6.1	102	0.00
74	Di-n-butylphthalate	40.000	38.345	4.1	103	0.00
75 C	Fluoranthene	40.000	37.721	5.7	104	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77	Benzydine	40.000	56.911	-42.3#	107	0.00
78	Pyrene	40.000	37.884	5.3	103	0.00
79 S	Terphenyl-d14	80.000	75.070	6.2	105	0.00
80	Butylbenzylphthalate	40.000	37.699	5.8	102	0.00
81	Benzo(a)anthracene	40.000	37.816	5.5	105	0.00
82	3,3'-Dichlorobenzidine	40.000	38.057	4.9	103	0.00
83	Chrysene	40.000	37.876	5.3	105	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	37.052	7.4	103	-0.01
85 c	Di-n-octyl phthalate	40.000	37.018	7.5	102	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	107	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	39.082	2.3	109	0.00
88	Benzo(b)fluoranthene	40.000	38.843	2.9	108	-0.01
89	Benzo(k)fluoranthene	40.000	38.446	3.9	108	-0.02
90 C	Benzo(a)pyrene	40.000	38.805	3.0	108	0.00
91	Dibenzo(a,h)anthracene	40.000	39.482	1.3	110	-0.02
92	Benzo(g,h,i)perylene	40.000	39.255	1.9	109	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_P Calibration Date/Time: 08/15/2025 21:03
 Lab File ID: BP025436.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.297		7.7	50.0
Benzaldehyde	1.082	1.315		21.5	50.0
Phenol-d6	1.544	1.709		10.7	50.0
Phenol	1.620	1.777		9.7	50.0
bis(2-Chloroethyl)ether	1.263	1.365		8.1	50.0
2-Chlorophenol	1.359	1.491		9.7	50.0
2-Methylphenol	1.125	1.247		10.8	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.910		12.9	50.0
Acetophenone	0.502	0.537		7.0	50.0
3+4-Methylphenols	1.560	1.699		8.9	50.0
n-Nitroso-di-n-propylamine	1.023	1.110	0.050	8.5	50.0
Nitrobenzene-d5	0.395	0.431		9.1	50.0
Hexachloroethane	0.563	0.621		10.3	50.0
Nitrobenzene	0.353	0.388		9.9	50.0
Isophorone	0.700	0.727		3.9	50.0
2-Nitrophenol	0.181	0.199		9.9	50.0
2,4-Dimethylphenol	0.312	0.339		8.7	50.0
bis(2-Chloroethoxy)methane	0.423	0.448		5.9	50.0
2,4-Dichlorophenol	0.310	0.343		10.6	50.0
Naphthalene	1.040	1.097		5.5	50.0
4-Chloroaniline	0.459	0.488		6.3	50.0
Hexachlorobutadiene	0.211	0.230		9.0	50.0
Caprolactam	0.114	0.118		3.5	50.0
4-Chloro-3-methylphenol	0.355	0.379		6.8	50.0
2-Methylnaphthalene	0.676	0.710		5.0	50.0
Hexachlorocyclopentadiene	0.349	0.323	0.050	-7.4	50.0
2,4,6-Trichlorophenol	0.390	0.436		11.8	50.0
2-Fluorobiphenyl	1.463	1.527		4.4	50.0
2,4,5-Trichlorophenol	0.427	0.482		12.9	50.0
1,1-Biphenyl	1.453	1.590		9.4	50.0
2-Chloronaphthalene	1.131	1.227		8.5	50.0
2-Nitroaniline	0.329	0.382		16.1	50.0
Dimethylphthalate	1.465	1.593		8.7	50.0
Acenaphthylene	1.871	2.004		7.1	50.0
2,6-Dinitrotoluene	0.309	0.349		12.9	50.0
3-Nitroaniline	0.347	0.390		12.4	50.0
Acenaphthene	1.098	1.169		6.5	50.0
2,4-Dinitrophenol	0.165	0.134	0.050	-18.8	50.0
4-Nitrophenol	0.285	0.324	0.050	13.7	50.0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_P Calibration Date/Time: 08/15/2025 21:03
 Lab File ID: BP025436.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.849		6.5	50.0
2,4-Dinitrotoluene	0.440	0.498		13.2	50.0
Diethylphthalate	1.488	1.607		8.0	50.0
4-Chlorophenyl-phenylether	0.681	0.703		3.2	50.0
Fluorene	1.370	1.410		2.9	50.0
4-Nitroaniline	0.356	0.384		7.9	50.0
4,6-Dinitro-2-methylphenol	0.125	0.110		-12.0	50.0
n-Nitrosodiphenylamine	0.610	0.659		8.0	50.0
2,4,6-Tribromophenol	0.269	0.298		10.8	50.0
4-Bromophenyl-phenylether	0.220	0.242		10.0	50.0
Hexachlorobenzene	0.255	0.272		6.7	50.0
Atrazine	0.228	0.250		9.6	50.0
Pentachlorophenol	0.161	0.178		10.6	50.0
Phenanthrene	1.099	1.162		5.7	50.0
Anthracene	1.122	1.203		7.2	50.0
Carbazole	1.057	1.128		6.7	50.0
Di-n-butylphthalate	1.300	1.420		9.2	50.0
Fluoranthene	1.311	1.374		4.8	50.0
Pyrene	1.300	1.403		7.9	50.0
Terphenyl-d14	1.093	1.170		7.0	50.0
Butylbenzylphthalate	0.589	0.673		14.3	50.0
3,3-Dichlorobenzidine	0.497	0.550		10.7	50.0
Benzo (a) anthracene	1.319	1.407		6.7	50.0
Chrysene	1.235	1.321		7.0	50.0
Bis (2-ethylhexyl) phthalate	0.867	0.965		11.3	50.0
Di-n-octyl phthalate	1.492	1.681		12.7	50.0
Benzo (b) fluoranthene	1.179	1.283		8.8	50.0
Benzo (k) fluoranthene	1.180	1.265		7.2	50.0
Benzo (a) pyrene	1.148	1.241		8.1	50.0
Indeno (1,2,3-cd) pyrene	1.467	1.559		6.3	50.0
Dibenzo (a,h) anthracene	1.199	1.285		7.2	50.0
Benzo (g,h,i) perylene	1.178	1.259		6.9	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.633		9.5	50.0
1,4-Dioxane	0.472	0.484		2.5	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.417		10.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025436.D
 Acq On : 15 Aug 2025 21:03
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 18 01:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	166135	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	710479	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	456766	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	916670	20.000	ng	0.00
76) Chrysene-d12	21.630	240	933454	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1056853	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	862200	86.186	ng	0.00
7) Phenol-d6	6.967	99	1135967	88.568	ng	0.00
23) Nitrobenzene-d5	8.931	82	1224664	87.195	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	544037	88.488	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2790655	83.499	ng	0.00
79) Terphenyl-d14	19.913	244	4367516	85.603	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	160658	41.000	ng	98
3) Pyridine	3.725	79	439304	40.960	ng	94
4) n-Nitrosodimethylamine	3.637	42	200626	45.373	ng	96
6) Aniline	7.125	93	757650	43.843	ng	99
8) 2-Chlorophenol	7.367	128	495342	43.878	ng	99
9) Benzaldehyde	6.937	77	437036	48.635	ng	98
10) Phenol	6.996	94	590307	43.862	ng	98
11) bis(2-Chloroethyl)ether	7.214	93	453562	43.239	ng	99
12) 1,3-Dichlorobenzene	7.684	146	543009	43.622	ng	99
13) 1,4-Dichlorobenzene	7.825	146	546465	42.950	ng	99
14) 1,2-Dichlorobenzene	8.137	146	530443	43.069	ng	97
15) Benzyl Alcohol	8.025	79	454736	44.621	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.308	45	634562	45.158	ng	99
17) 2-Methylphenol	8.219	107	414498	44.345	ng	98
18) Hexachloroethane	8.861	117	206177	44.074	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	368678	43.396	ng	98
20) 3+4-Methylphenols	8.543	107	564553	43.573	ng	97
22) Acetophenone	8.596	105	762747	42.809	ng	# 98
24) Nitrobenzene	8.972	77	551258	43.917	ng	100
25) Isophorone	9.496	82	1033357	41.573	ng	98
26) 2-Nitrophenol	9.672	139	283328	43.982	ng	100
27) 2,4-Dimethylphenol	9.737	122	481271	43.443	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	637027	42.398	ng	99
29) 2,4-Dichlorophenol	10.208	162	486914	44.245	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	515873	42.762	ng	98
31) Naphthalene	10.613	128	1558976	42.217	ng	99
32) Benzoic acid	9.878	122	346284	42.339	ng	94
33) 4-Chloroaniline	10.713	127	693770	42.532	ng	99
34) Hexachlorobutadiene	10.902	225	326490	43.456	ng	99
35) Caprolactam	11.496	113	167685	41.554	ng	98
36) 4-Chloro-3-methylphenol	11.831	107	539188	42.698	ng	96
37) 2-Methylnaphthalene	12.207	142	1008537	41.968	ng	98
38) 1-Methylnaphthalene	12.431	142	1057345	41.373	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	577904	43.807	ng	99
41) Hexachlorocyclopentadiene	12.566	237	295524	37.087	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	398621	44.759	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025436.D
 Acq On : 15 Aug 2025 21:03
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 18 01:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

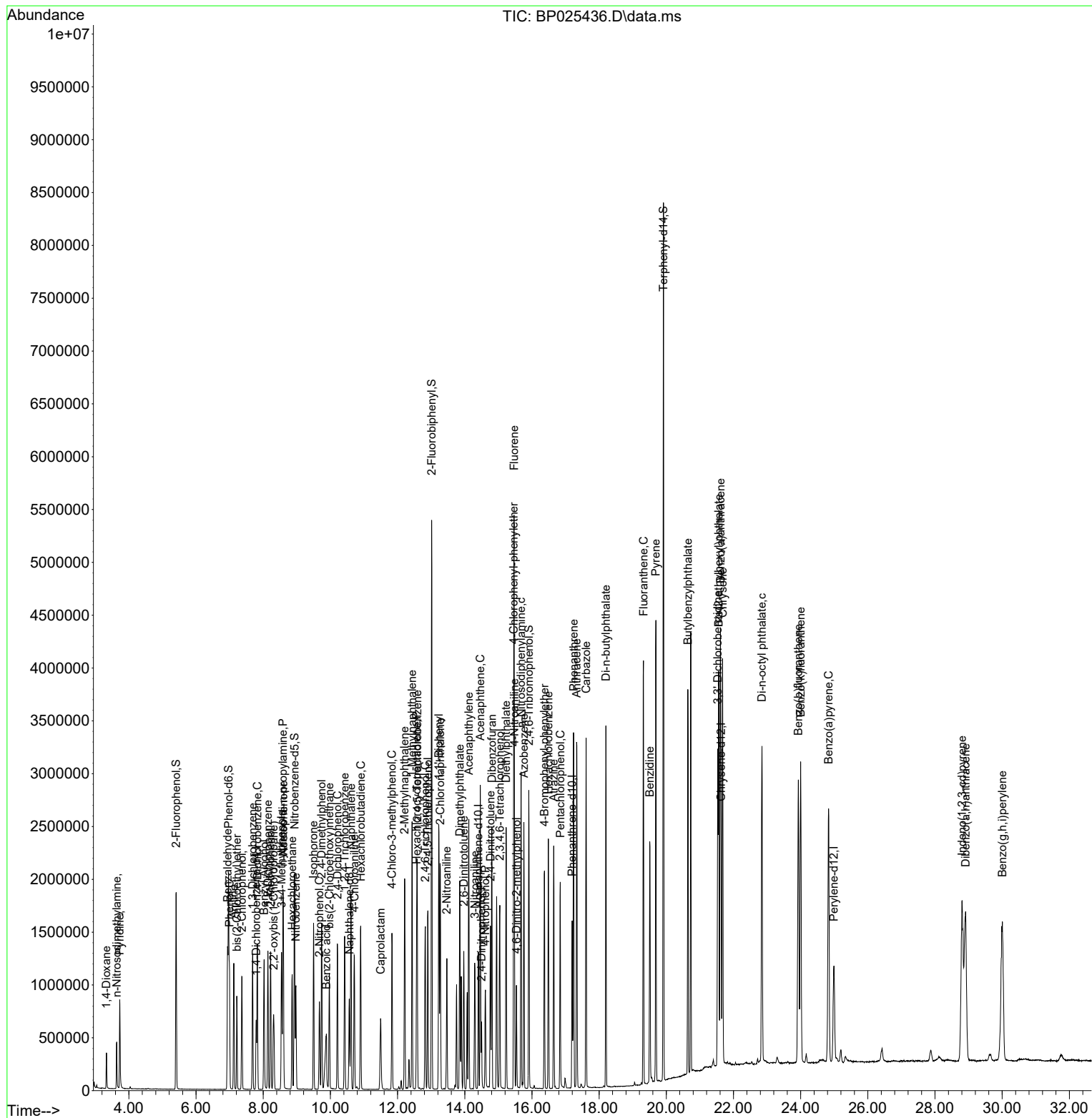
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	440218	45.101	ng	99
46) 1,1'-Biphenyl	13.225	154	1452635	43.790	ng	99
47) 2-Chloronaphthalene	13.272	162	1120958	43.406	ng	98
48) 2-Nitroaniline	13.466	65	348676	46.337	ng	98
49) Acenaphthylene	14.119	152	1830675	42.840	ng	100
50) Dimethylphthalate	13.849	163	1455084	43.502	ng	99
51) 2,6-Dinitrotoluene	13.972	165	318483	45.175	ng	98
52) Acenaphthene	14.460	154	1068266m	42.589	ng	
53) 3-Nitroaniline	14.296	138	356395	44.932	ng	99
54) 2,4-Dinitrophenol	14.501	184	122865	32.634	ng	96
55) Dibenzofuran	14.807	168	1689125	42.593	ng	99
56) 4-Nitrophenol	14.613	139	295639	45.358	ng	94
57) 2,4-Dinitrotoluene	14.766	165	454531	45.189	ng	99
58) Fluorene	15.466	166	1287972	41.160	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.043	232	380952	44.201	ng	97
60) Diethylphthalate	15.231	149	1468089	43.195	ng	100
61) 4-Chlorophenyl-phenyle...	15.454	204	641804	41.240	ng	96
62) 4-Nitroaniline	15.478	138	350711	43.130	ng	95
63) Azobenzene	15.760	77	1297353	44.580	ng	98
65) 4,6-Dinitro-2-methylph...	15.543	198	201944	35.341	ng	97
66) n-Nitrosodiphenylamine	15.678	169	1208784	43.243	ng	98
67) 4-Bromophenyl-phenylether	16.372	248	442865	43.928	ng	98
68) Hexachlorobenzene	16.490	284	498920	42.691	ng	99
69) Atrazine	16.648	200	458257	43.775	ng	96
70) Pentachlorophenol	16.842	266	327120	44.342	ng	98
71) Phenanthrene	17.242	178	2130157	42.302	ng	100
72) Anthracene	17.331	178	2204625	42.872	ng	99
73) Carbazole	17.613	167	2067991	42.695	ng	99
74) Di-n-butylphthalate	18.201	149	2603783	43.693	ng	100
75) Fluoranthene	19.319	202	2518758	41.933	ng	99
77) Benzidine	19.507	184	1508404	47.349	ng	100
78) Pyrene	19.689	202	2619981	43.183	ng	100
80) Butylbenzylphthalate	20.642	149	1256440	45.693	ng	99
81) Benzo(a)anthracene	21.613	228	2626516	42.665	ng	99
82) 3,3'-Dichlorobenzidine	21.530	252	1026166	44.224	ng	100
83) Chrysene	21.677	228	2465631	42.767	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1800639	44.485	ng	99
85) Di-n-octyl phthalate	22.848	149	3138516	45.079	ng	99
87) Indeno(1,2,3-cd)pyrene	28.807	276	3296276	42.530	ng	99
88) Benzo(b)fluoranthene	23.930	252	2712012	43.518	ng	99
89) Benzo(k)fluoranthene	24.001	252	2673968	42.878	ng	99
90) Benzo(a)pyrene	24.830	252	2622614	43.232	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2716441	42.888	ng	98
92) Benzo(g,h,i)perylene	30.006	276	2661609	42.750	ng	100

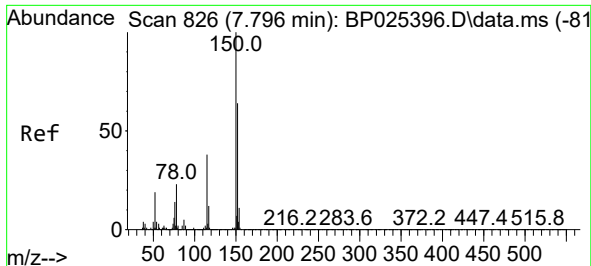
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

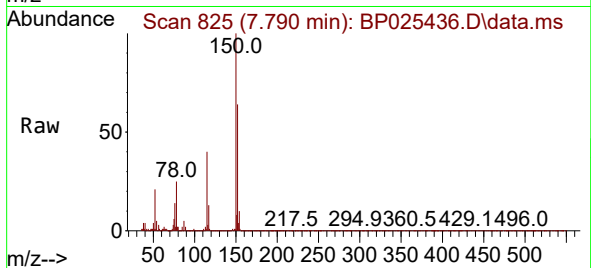
Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

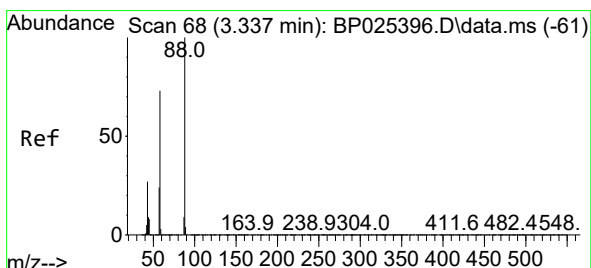
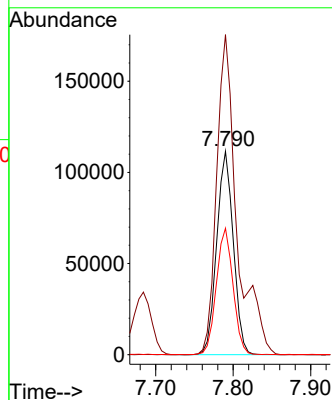
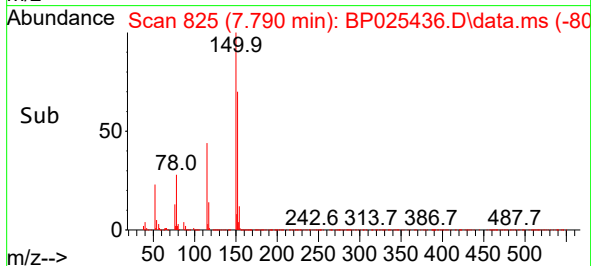
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion: 152 Resp: 16613
Ion Ratio Lower Upper
152 100
150 157.3 125.9 188.9
115 62.2 48.5 72.7

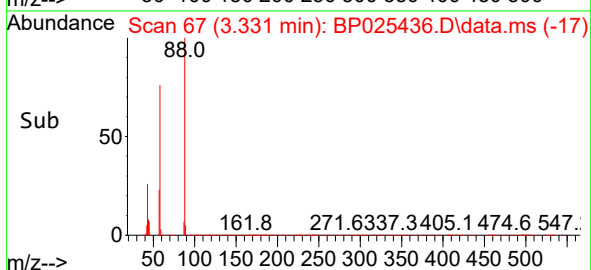
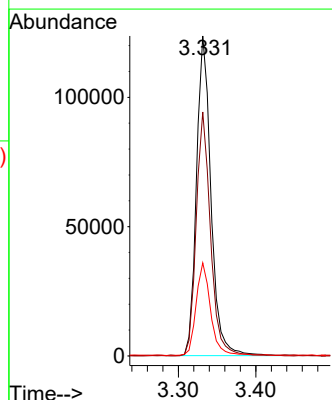
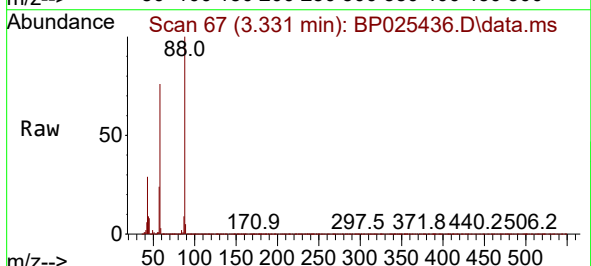
Manual Integrations
APPROVED

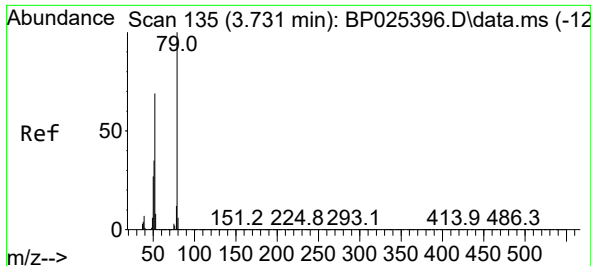
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#2
1,4-Dioxane
Concen: 41.000 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

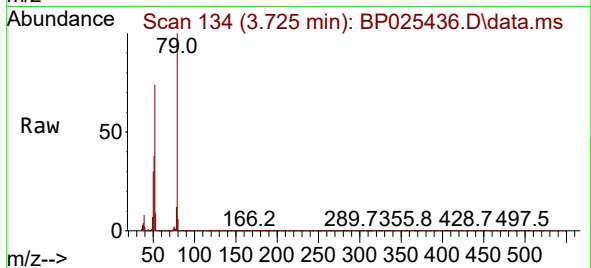
Tgt Ion: 88 Resp: 160658
Ion Ratio Lower Upper
88 100
58 75.7 59.2 88.8
43 28.9 21.7 32.5





#3
Pyridine
Concen: 40.960 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

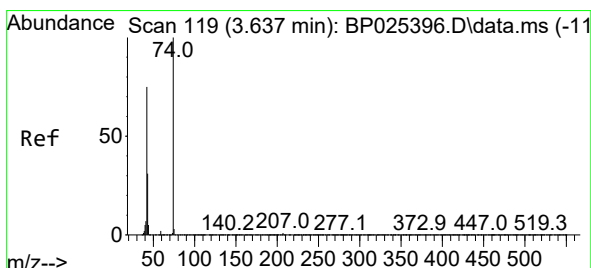
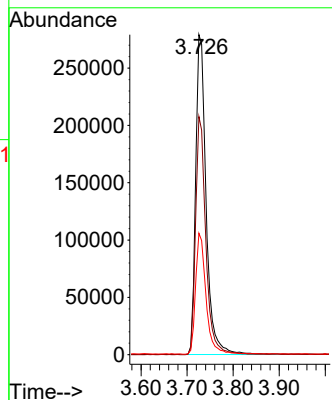
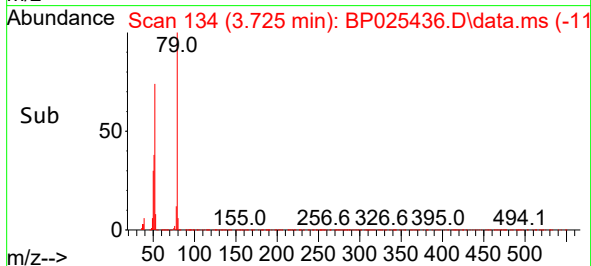
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



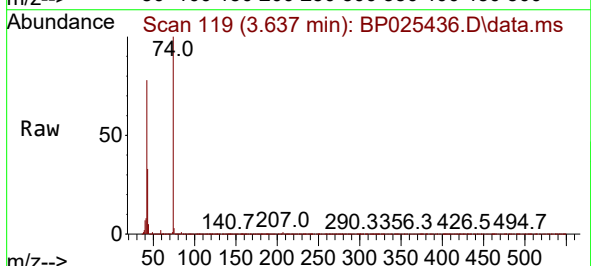
Tgt Ion: 79 Resp: 439304
Ion Ratio Lower Upper
79 100
52 74.4 55.5 83.3
51 38.0 28.3 42.5

Manual Integrations
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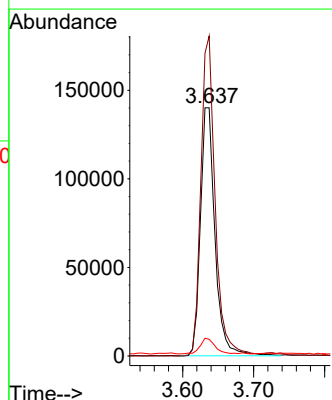
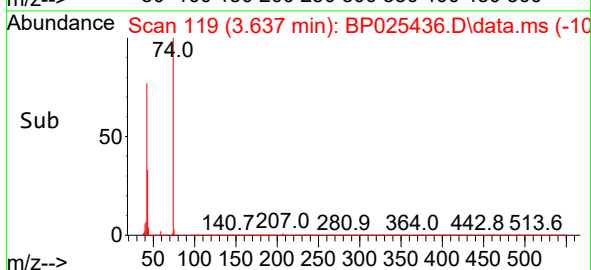
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

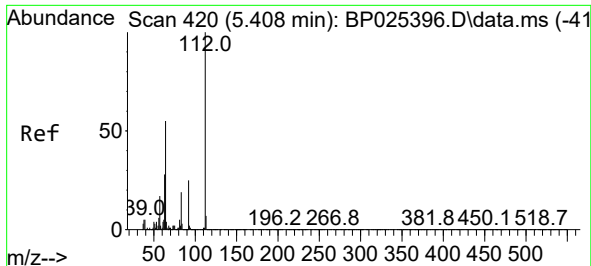


#4
n-Nitrosodimethylamine
Concen: 45.373 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



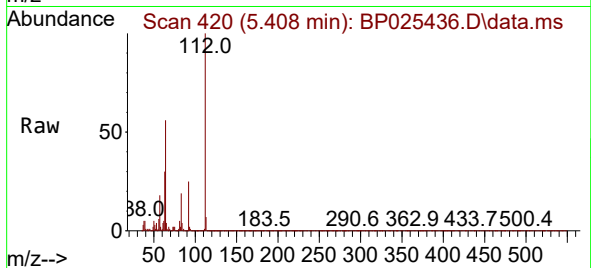
Tgt Ion: 42 Resp: 200626
Ion Ratio Lower Upper
42 100
74 128.9 107.0 160.4
44 6.7 6.2 9.4





#5
2-Fluorophenol
Concen: 86.186 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

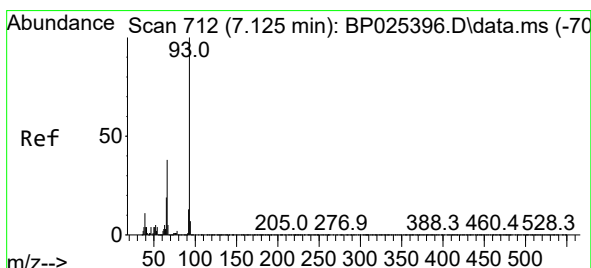
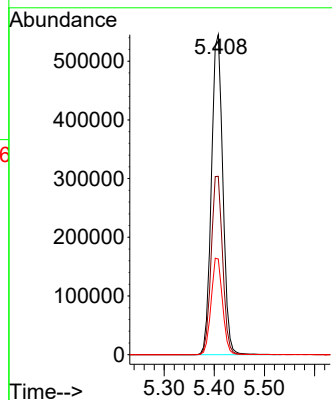
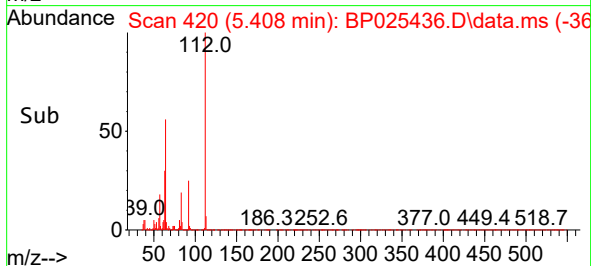
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



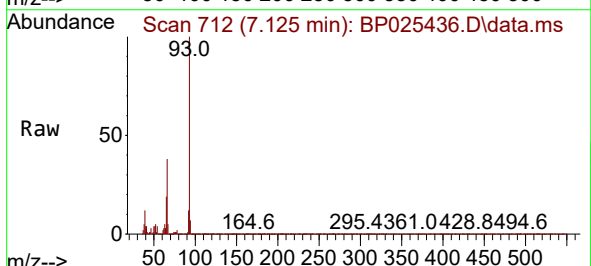
Tgt Ion:112 Resp: 862200
Ion Ratio Lower Upper
112 100
64 55.8 43.8 65.8
63 29.9 22.7 34.1

Manual Integrations
APPROVED

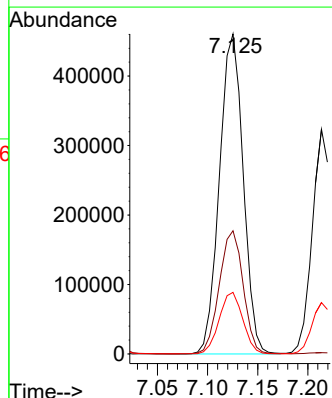
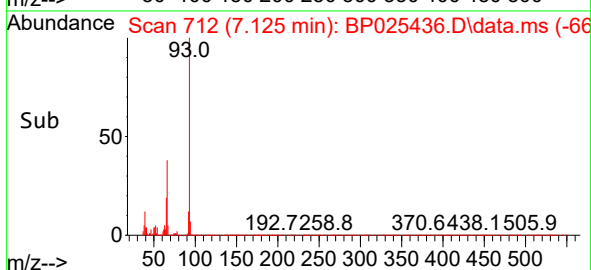
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

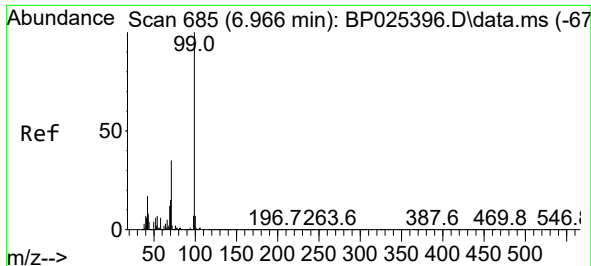


#6
Aniline
Concen: 43.843 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion: 93 Resp: 757650
Ion Ratio Lower Upper
93 100
66 38.5 30.4 45.6
65 19.3 15.3 22.9





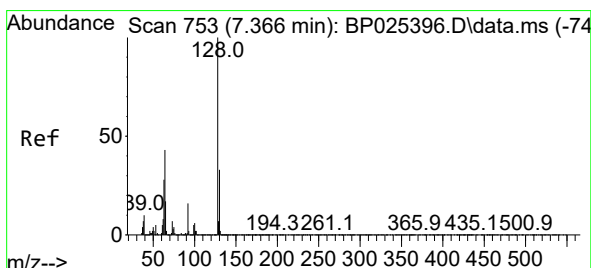
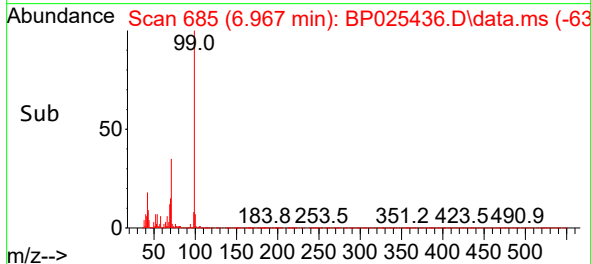
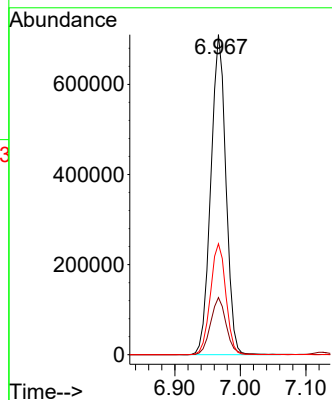
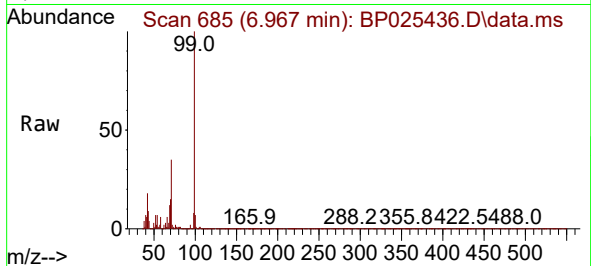
#7
Phenol-d6
Concen: 88.568 ng
RT: 6.967 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 113596
Ion Ratio Lower Upper
99 100
42 17.9 13.7 20.5
71 34.7 28.2 42.4

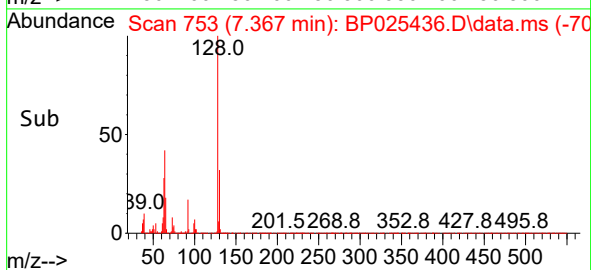
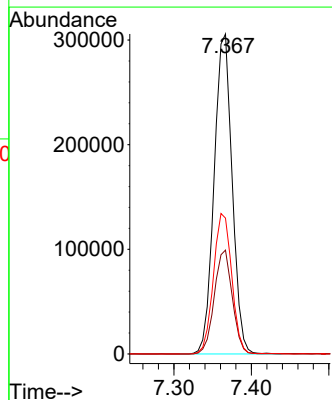
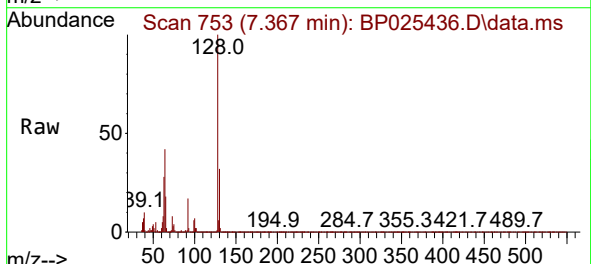
Manual Integrations
APPROVED

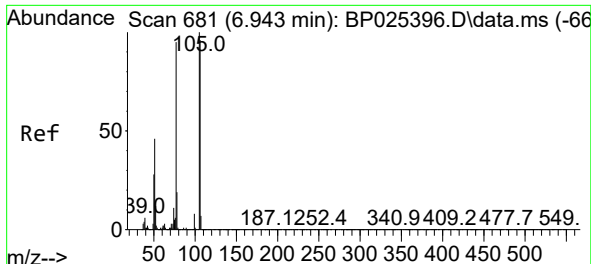
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#8
2-Chlorophenol
Concen: 43.878 ng
RT: 7.367 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:128 Resp: 495342
Ion Ratio Lower Upper
128 100
130 32.5 12.6 52.6
64 42.4 23.4 63.4





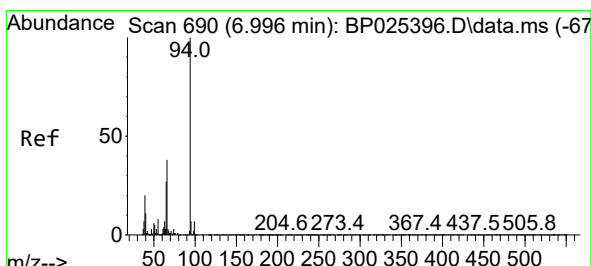
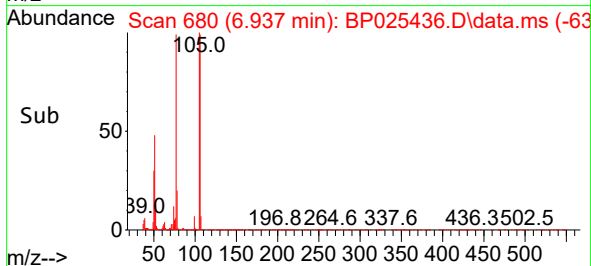
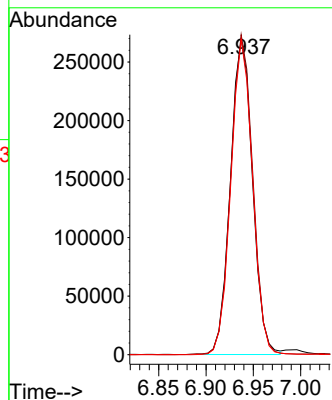
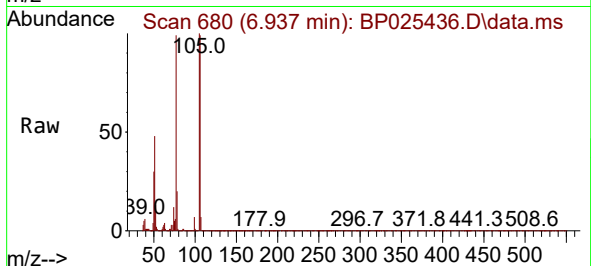
#9
Benzaldehyde
Concen: 48.635 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 437030
Ion Ratio Lower Upper
77 100
105 101.5 84.8 124.8
106 100.1 80.5 120.5

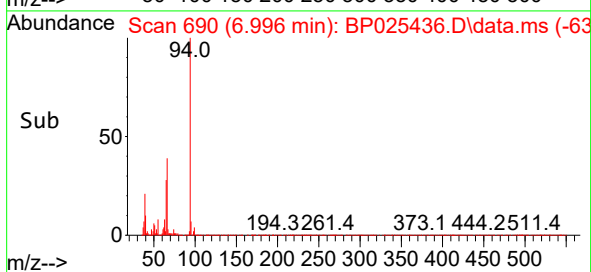
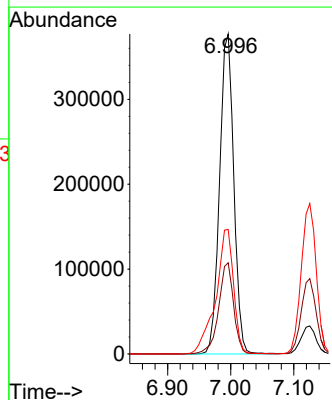
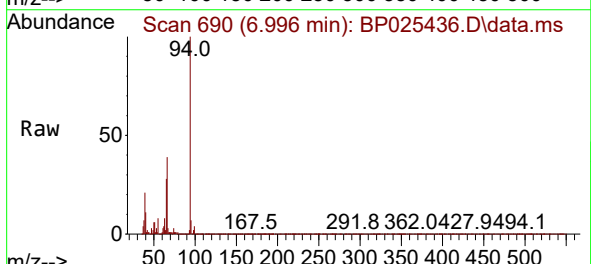
Manual Integrations
APPROVED

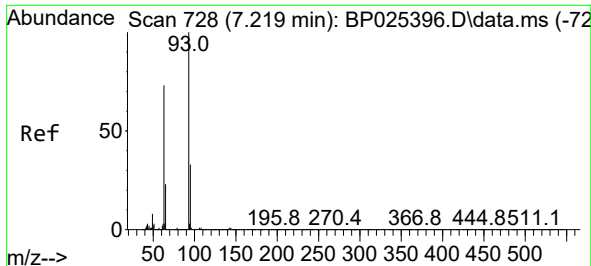
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#10
Phenol
Concen: 43.862 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

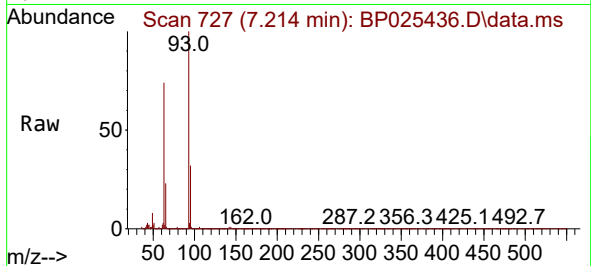
Tgt Ion: 94 Resp: 590307
Ion Ratio Lower Upper
94 100
65 28.5 6.8 46.8
66 38.9 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 43.239 ng
RT: 7.214 min Scan# 728
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

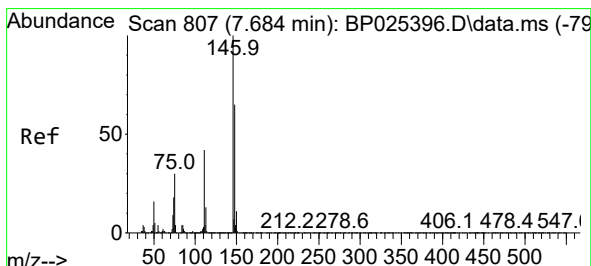
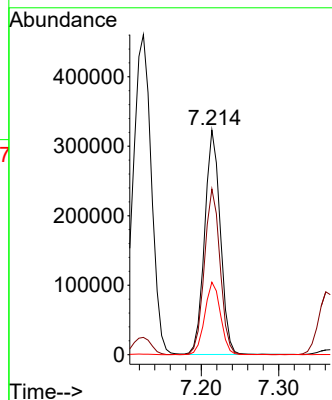
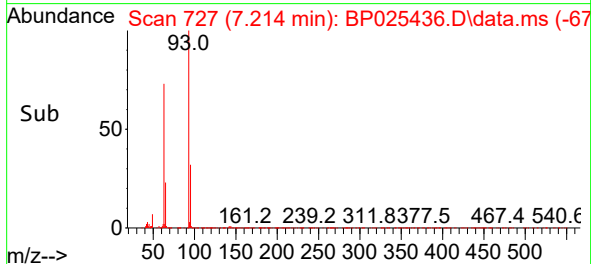
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



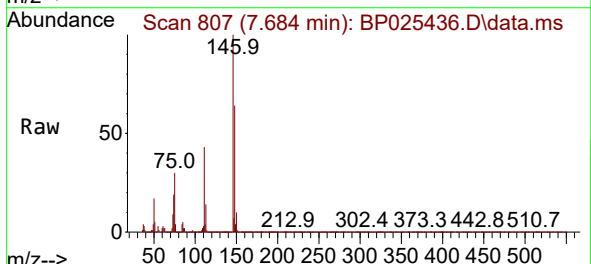
Tgt Ion: 93 Resp: 453562
Ion Ratio Lower Upper
93 100
63 73.8 52.6 92.6
95 32.3 12.7 52.7

Manual Integrations
APPROVED

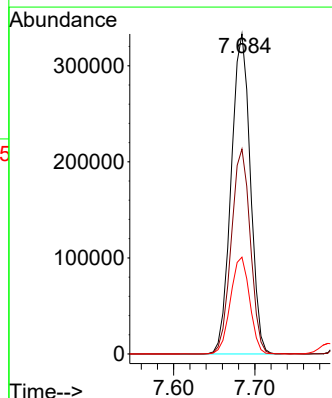
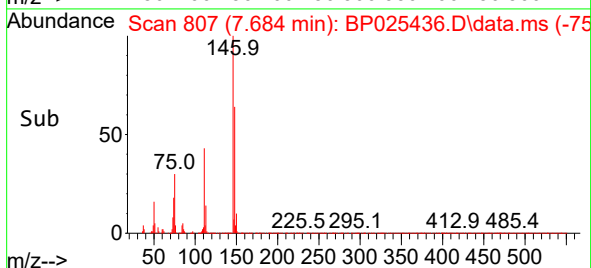
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

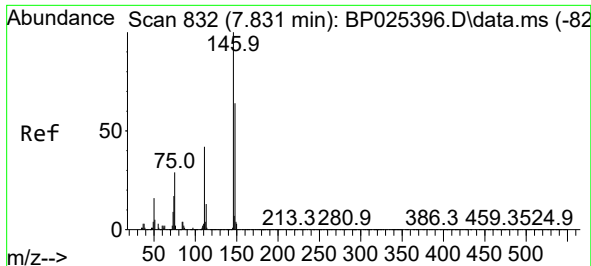


#12
1,3-Dichlorobenzene
Concen: 43.622 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:146 Resp: 543009
Ion Ratio Lower Upper
146 100
148 64.0 51.9 77.9
75 30.2 23.7 35.5





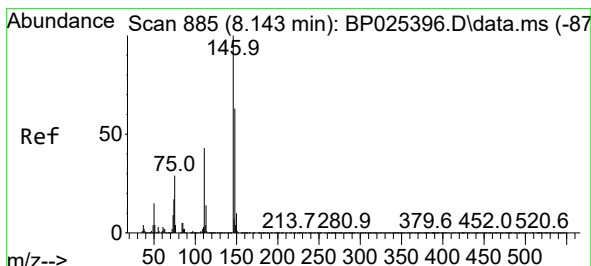
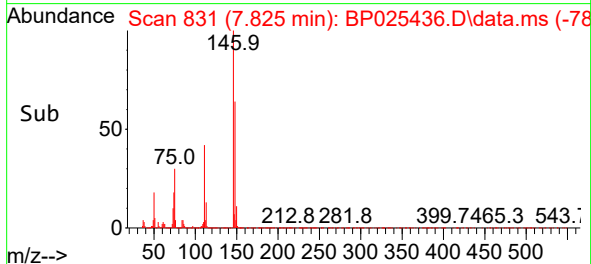
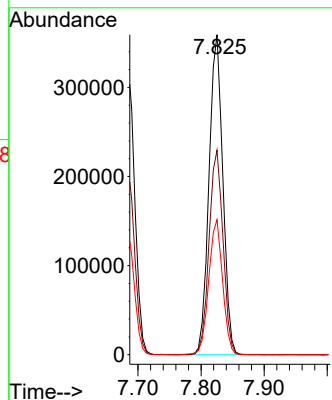
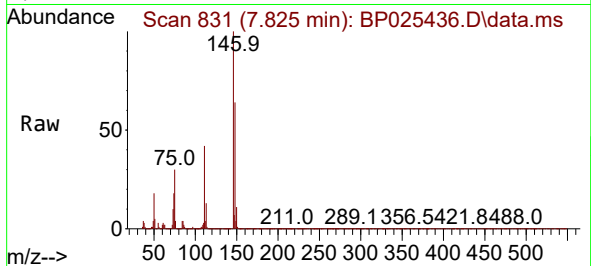
#13
1,4-Dichlorobenzene
Concen: 42.950 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 54646
Ion Ratio Lower Upper
146 100
148 63.9 51.6 77.4
111 42.2 33.4 50.0

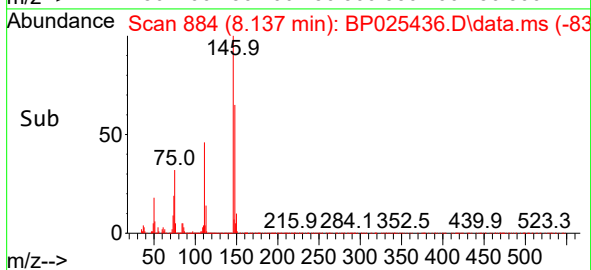
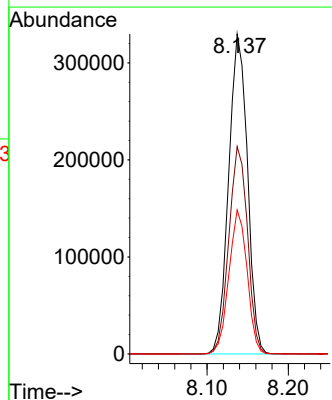
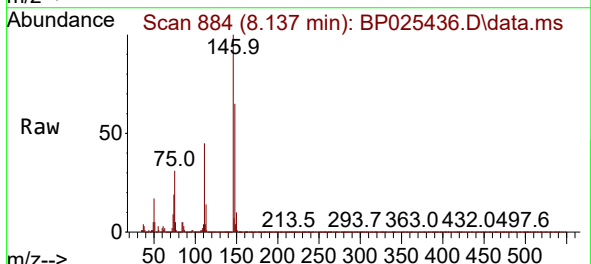
Manual Integrations
APPROVED

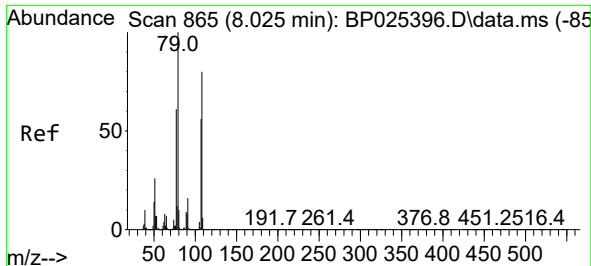
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#14
1,2-Dichlorobenzene
Concen: 43.069 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

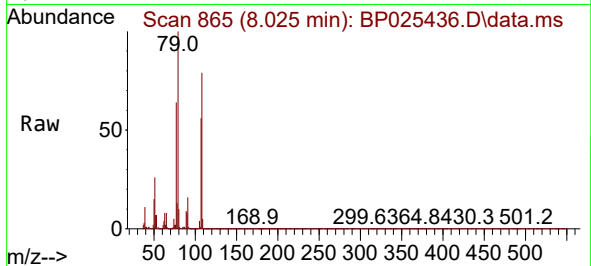
Tgt Ion:146 Resp: 530443
Ion Ratio Lower Upper
146 100
148 64.8 50.4 75.6
111 45.0 34.5 51.7





#15
Benzyl Alcohol
Concen: 44.621 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

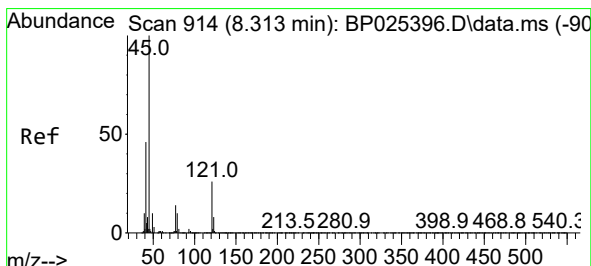
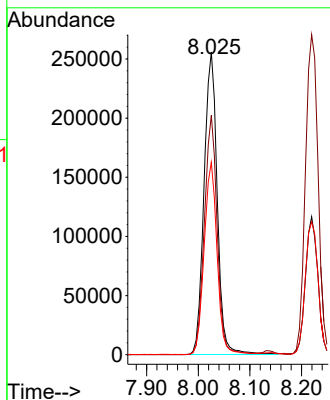
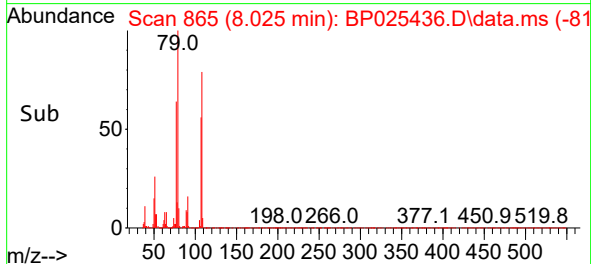
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



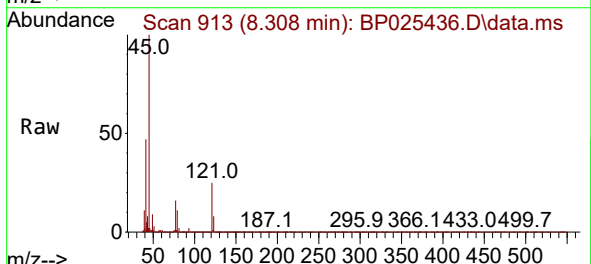
Tgt Ion: 79 Resp: 454730
Ion Ratio Lower Upper
79 100
108 79.1 63.8 95.6
77 63.6 49.0 73.4

Manual Integrations
APPROVED

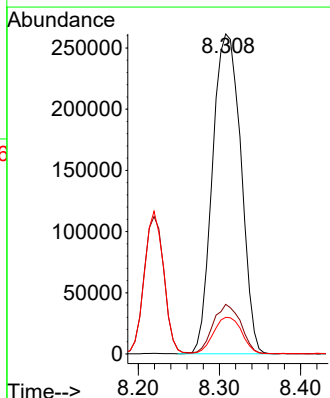
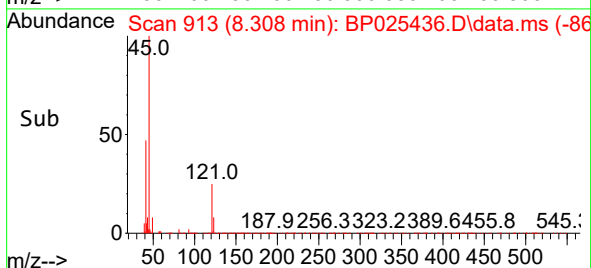
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

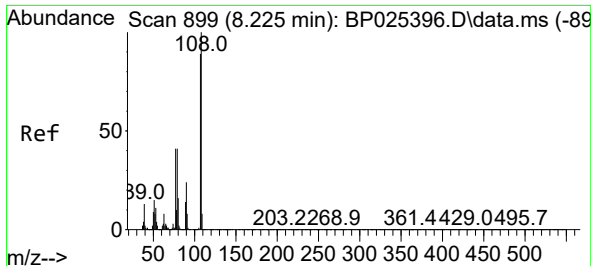


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.158 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion: 45 Resp: 634562
Ion Ratio Lower Upper
45 100
77 15.5 0.0 35.3
79 11.5 0.0 31.8





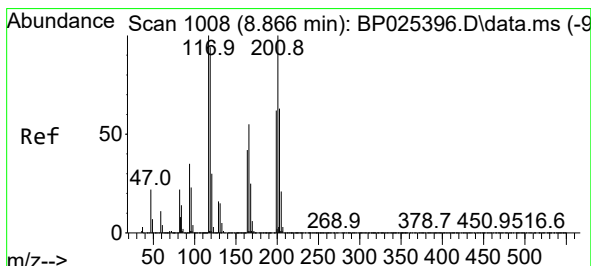
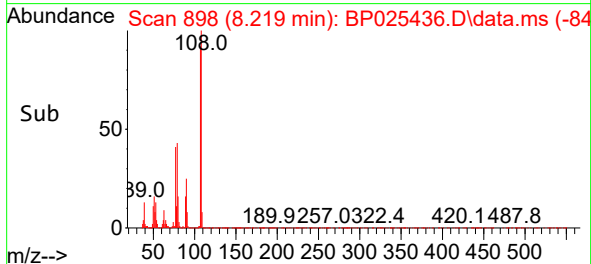
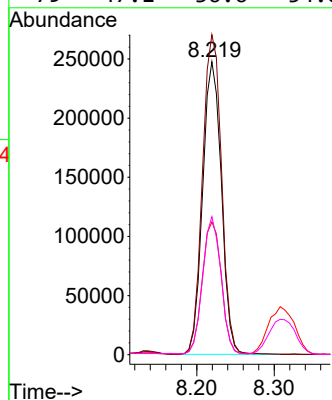
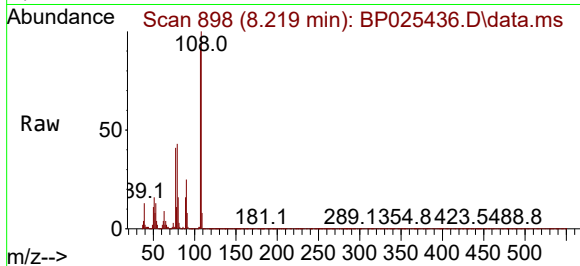
#17
2-Methylphenol
Concen: 44.345 ng
RT: 8.219 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 414498
Ion Ratio Lower Upper
107 100
108 109.3 89.4 134.0
77 45.3 36.3 54.5
79 47.1 36.6 54.8

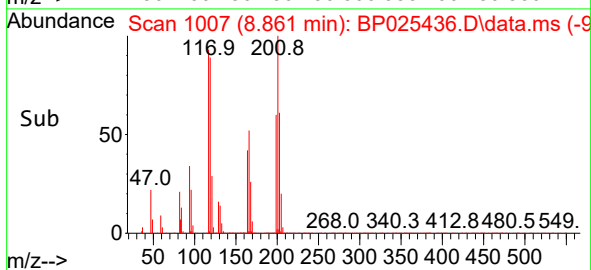
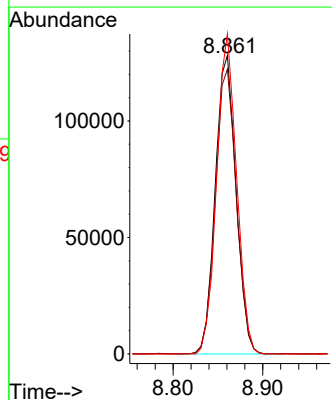
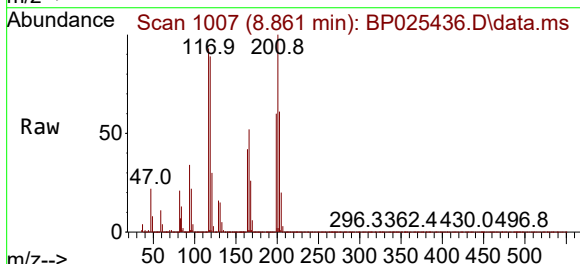
Manual Integrations
APPROVED

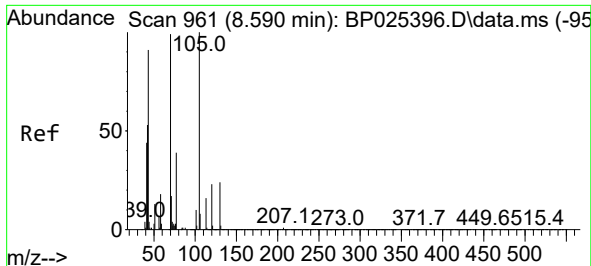
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#18
Hexachloroethane
Concen: 44.074 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

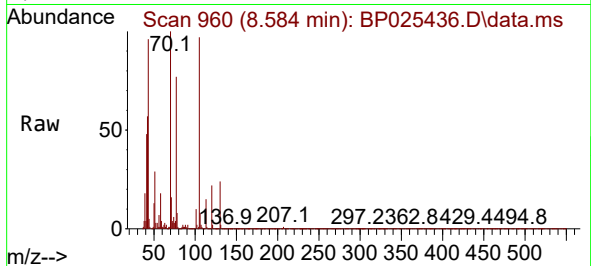
Tgt Ion:117 Resp: 206177
Ion Ratio Lower Upper
117 100
119 95.4 75.1 112.7
201 107.2 80.1 120.1





#19
n-Nitroso-di-n-propylamine
Concen: 43.396 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

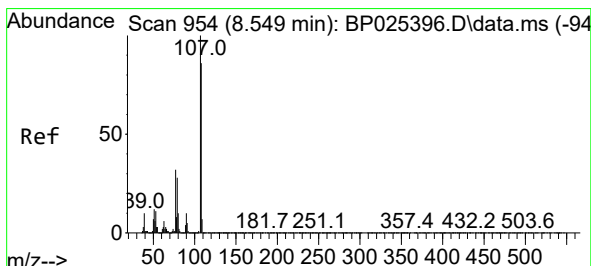
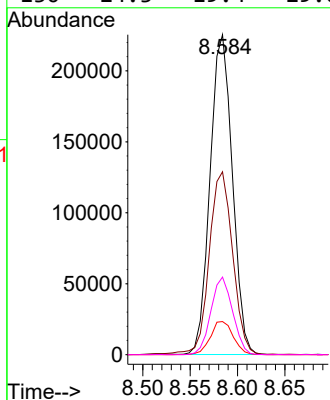
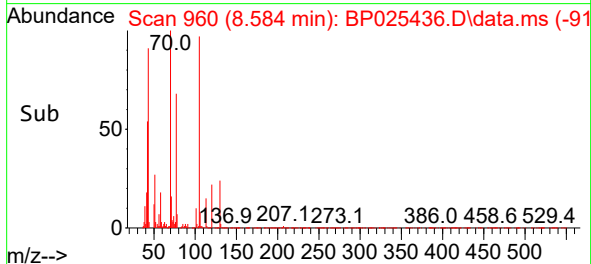
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



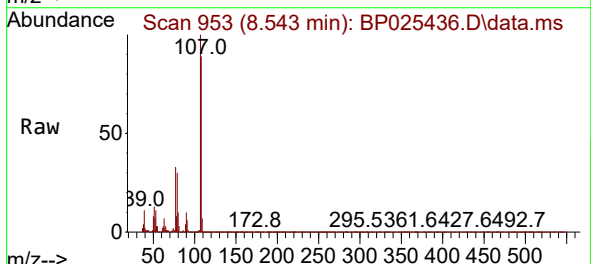
Tgt Ion: 70 Resp: 368678
Ion Ratio Lower Upper
70 100
42 57.2 43.8 65.6
101 10.4 8.5 12.7
130 24.3 19.4 29.0

Manual Integrations
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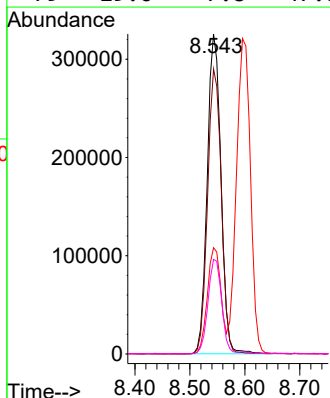
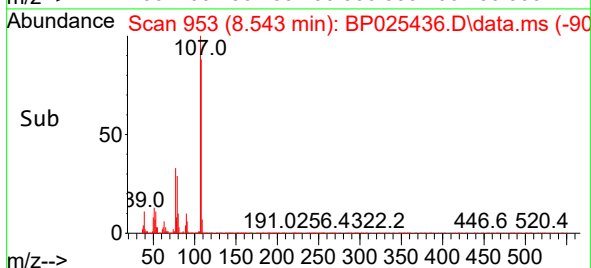
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

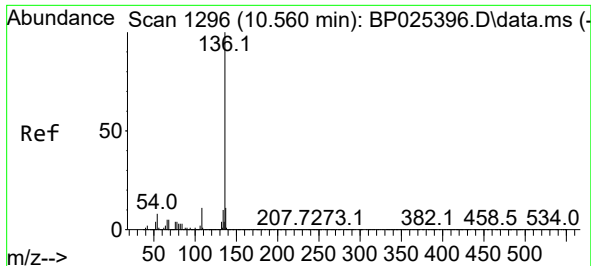


#20
3+4-Methylphenols
Concen: 43.573 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



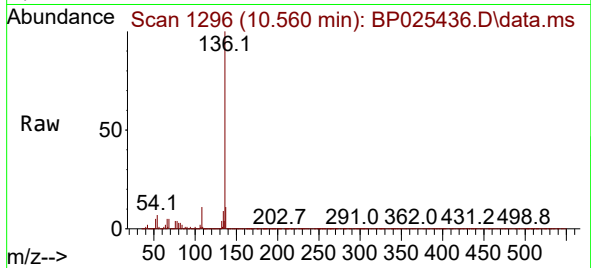
Tgt Ion:107 Resp: 564553
Ion Ratio Lower Upper
107 100
108 89.1 66.3 106.3
77 33.2 12.3 52.3
79 29.6 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

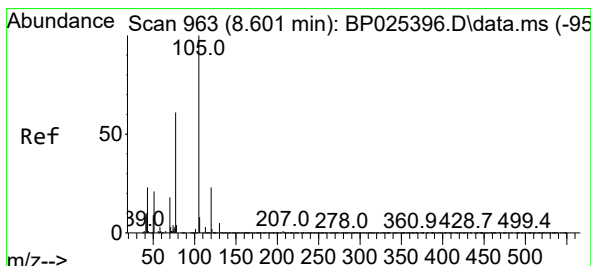
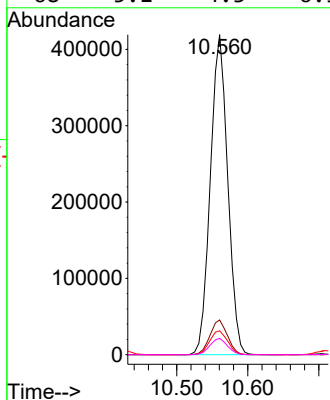
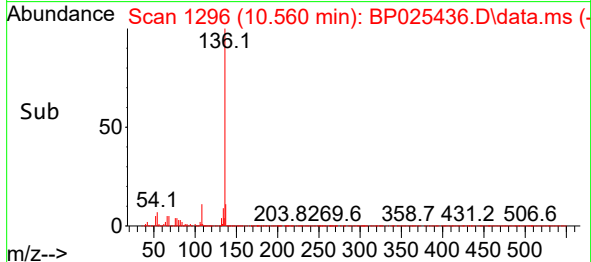
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.5	6.0	9.0
68	5.1	4.3	6.5

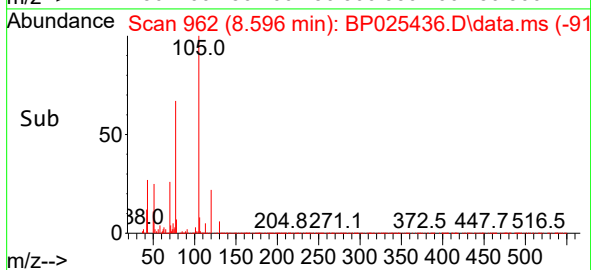
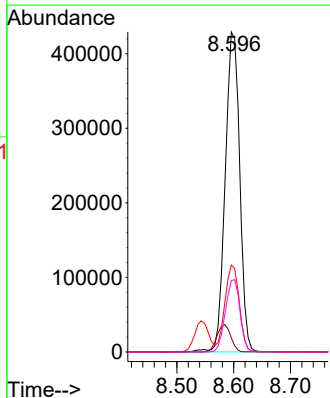
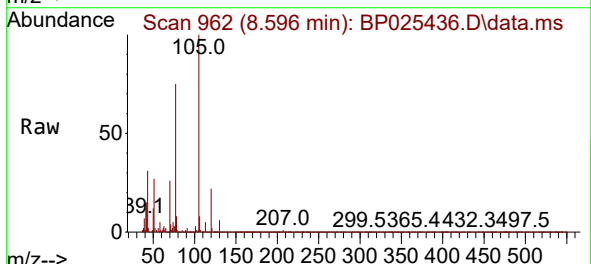
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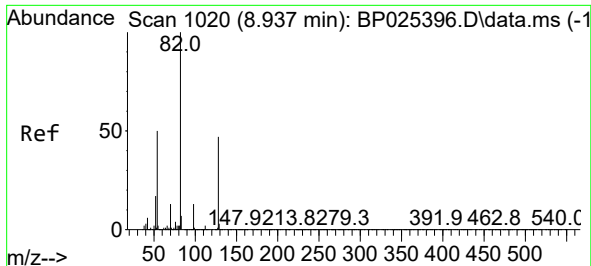
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#22
Acetophenone
Concen: 42.809 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

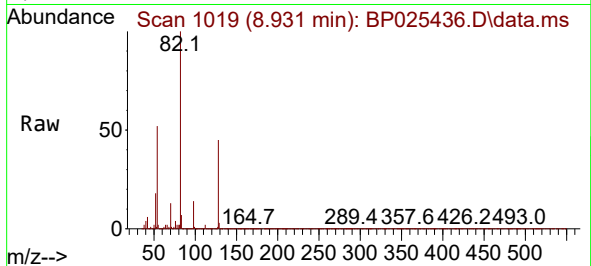
Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.4	2.6	4.0#
51	27.1	20.6	30.8
120	22.3	18.6	27.8





#23
Nitrobenzene-d5
Concen: 87.195 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

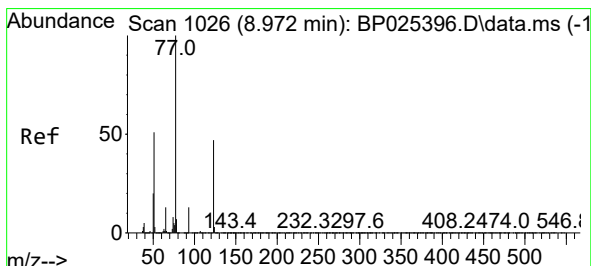
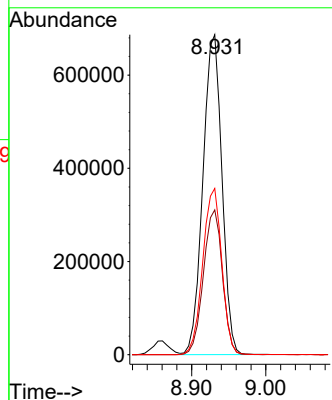
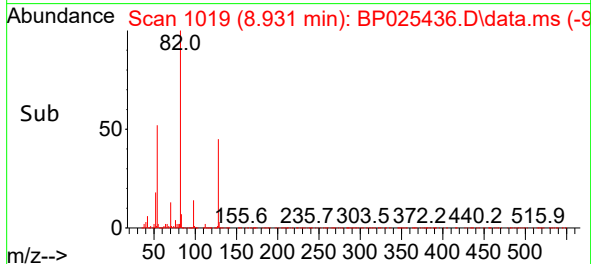
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



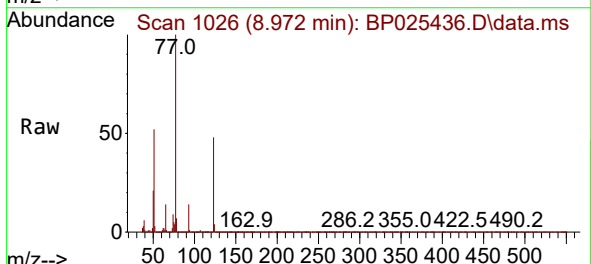
Tgt Ion: 82 Resp: 1224664
Ion Ratio Lower Upper
82 100
128 45.3 37.7 56.5
54 52.0 39.8 59.6

Manual Integrations
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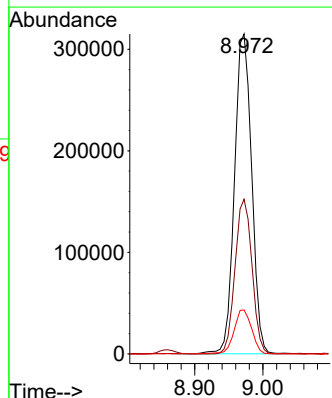
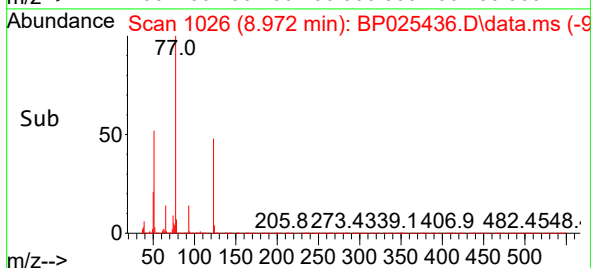
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

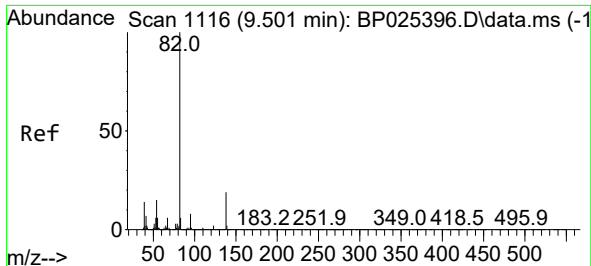


#24
Nitrobenzene
Concen: 43.917 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion: 77 Resp: 551258
Ion Ratio Lower Upper
77 100
123 48.4 38.6 58.0
65 13.8 10.6 15.8





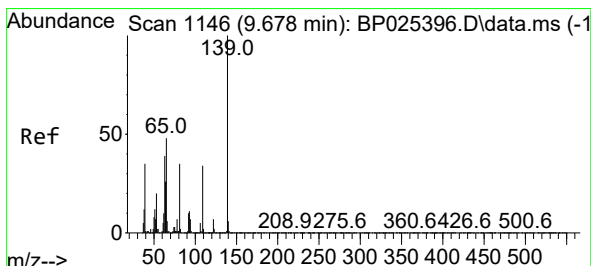
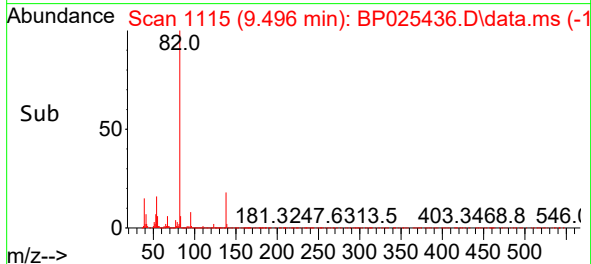
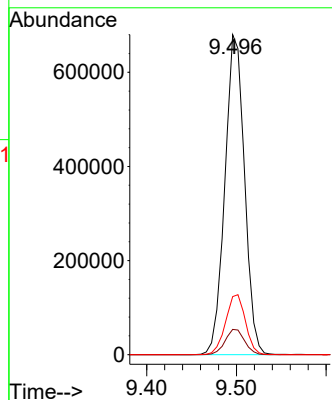
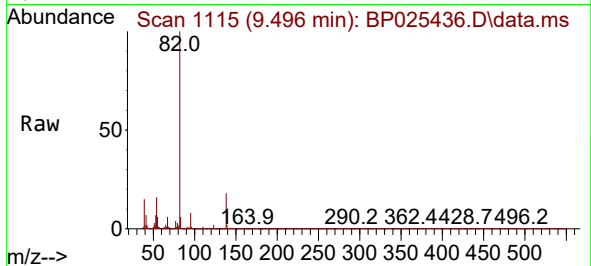
#25
Isophorone
Concen: 41.573 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 103335
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 18.1 15.4 23.0

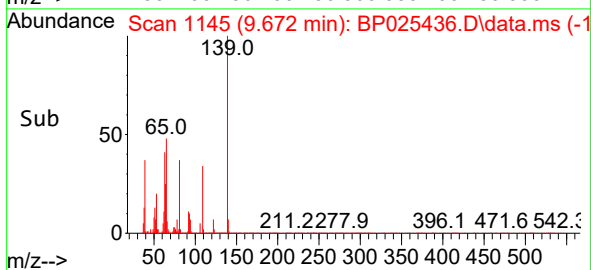
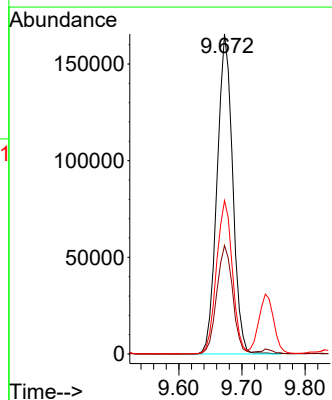
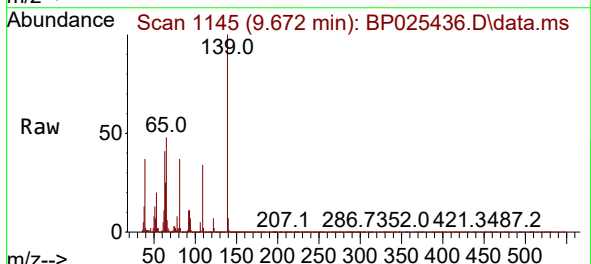
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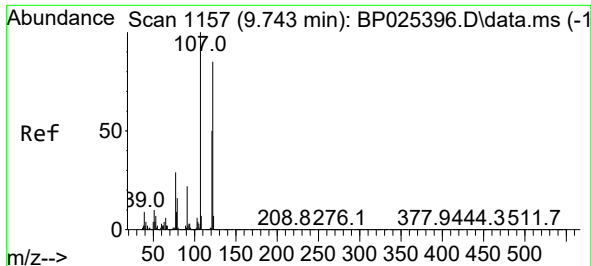
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#26
2-Nitrophenol
Concen: 43.982 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:139 Resp: 283328
Ion Ratio Lower Upper
139 100
109 33.9 26.9 40.3
65 47.9 38.3 57.5





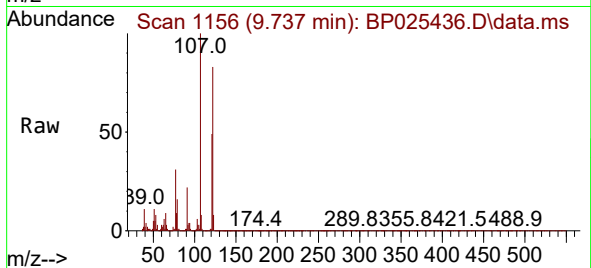
#27
2,4-Dimethylphenol
Concen: 43.443 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

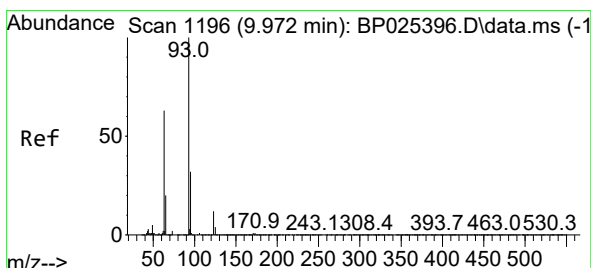
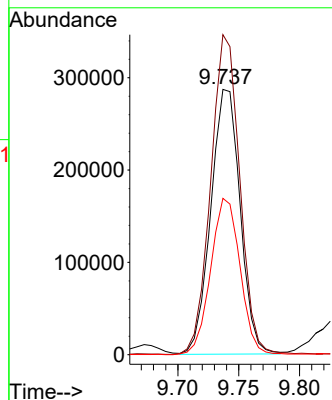
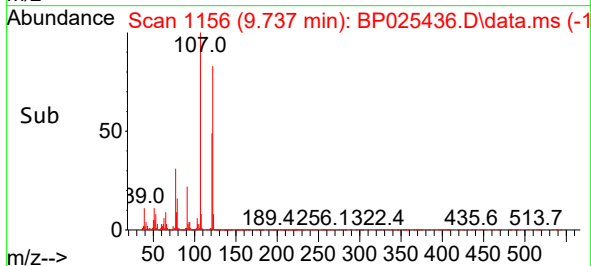


Tgt Ion:122 Resp: 48127
Ion Ratio Lower Upper
122 100
107 120.6 93.7 140.5
121 58.9 46.6 69.8

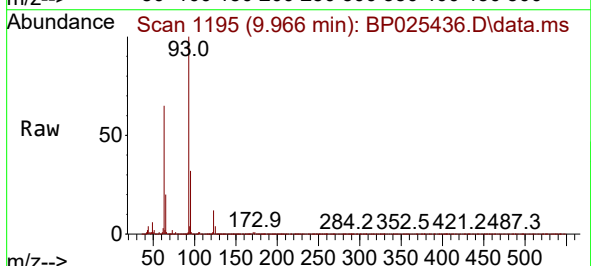
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Reviewed By :Rahul Chavli 08/18/2025

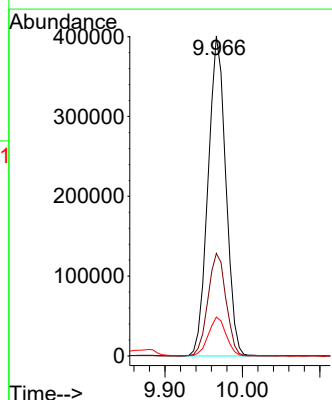
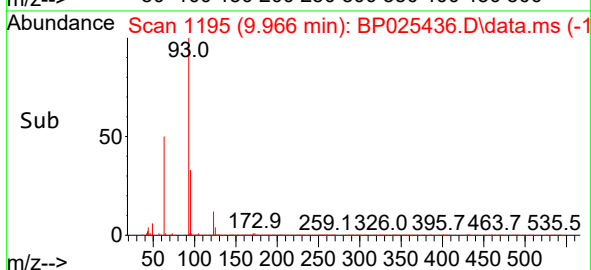
Supervised By :Jagrut Upadhyay 08/18/2025

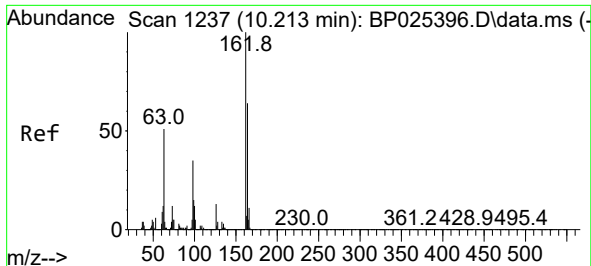


#28
bis(2-Chloroethoxy)methane
Concen: 42.398 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion: 93 Resp: 637027
Ion Ratio Lower Upper
93 100
95 32.1 25.4 38.0
123 12.1 9.4 14.0





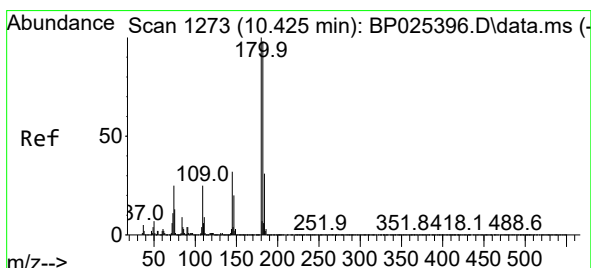
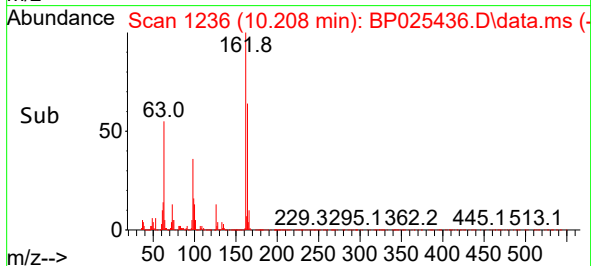
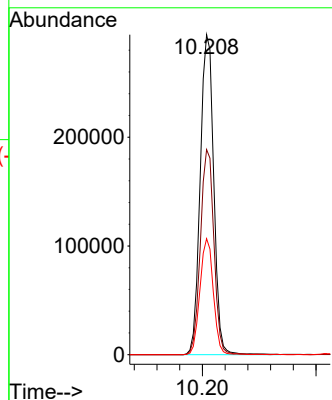
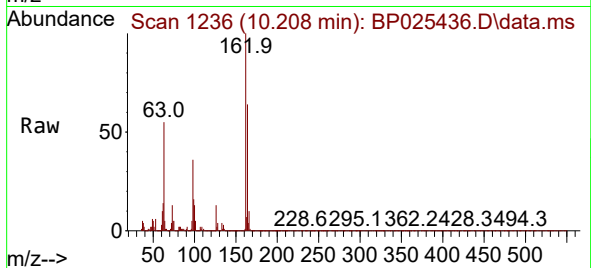
#29
2,4-Dichlorophenol
Concen: 44.245 ng
RT: 10.208 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 486914
Ion Ratio Lower Upper
162 100
164 64.1 44.4 84.4
98 36.2 14.9 54.9

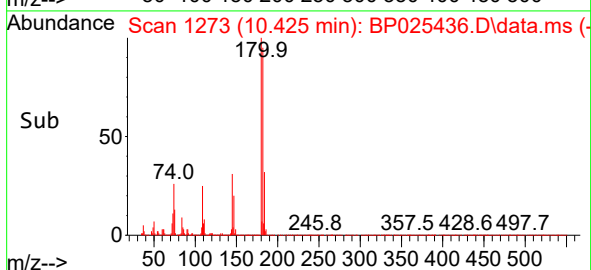
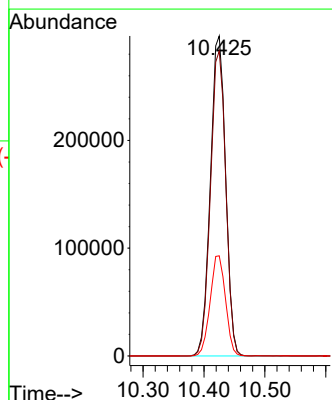
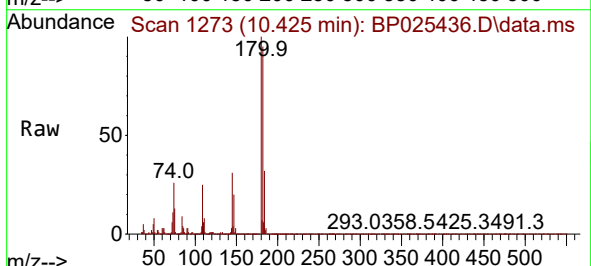
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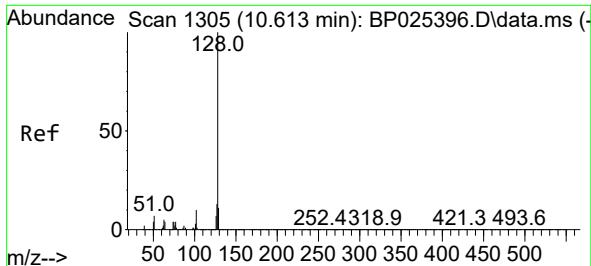
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#30
1,2,4-Trichlorobenzene
Concen: 42.762 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

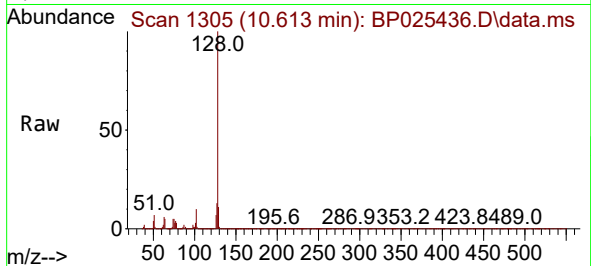
Tgt Ion:180 Resp: 515873
Ion Ratio Lower Upper
180 100
182 95.3 78.0 117.0
145 31.3 25.9 38.9





#31
Naphthalene
Concen: 42.217 ng
RT: 10.613 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

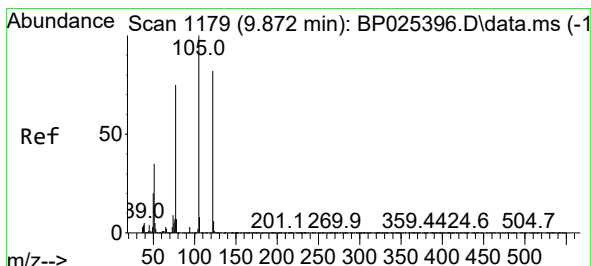
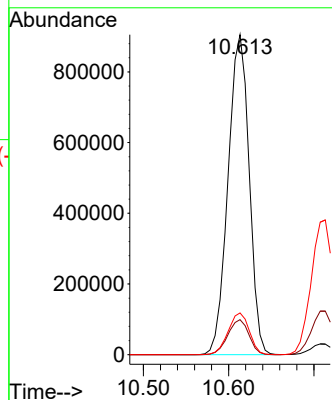
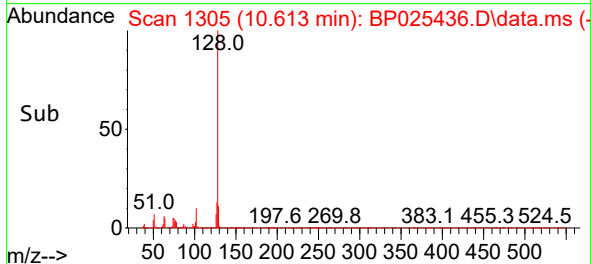
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:128 Resp: 1558970
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.0 10.7 16.1

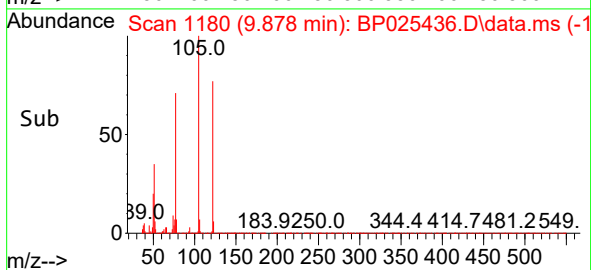
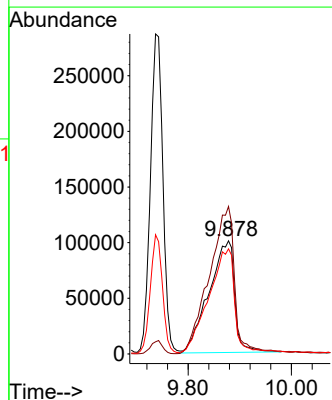
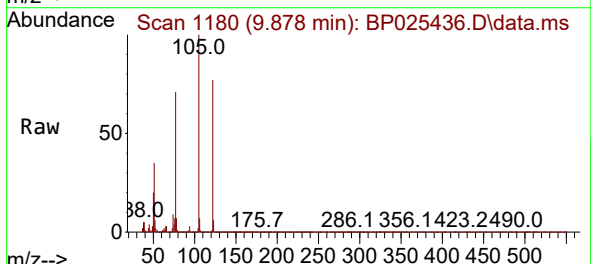
Manual Integrations
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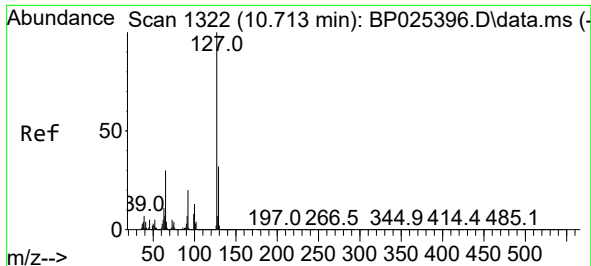
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#32
Benzoic acid
Concen: 42.339 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

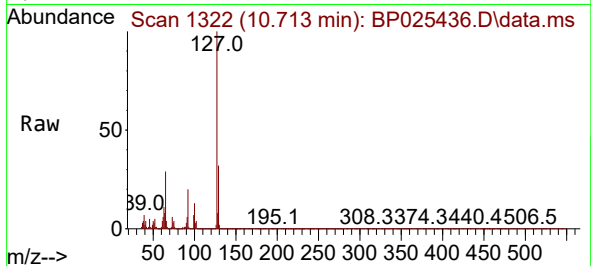
Tgt Ion:122 Resp: 346284
Ion Ratio Lower Upper
122 100
105 130.5 100.6 140.6
77 93.0 71.5 111.5





#33
4-Chloroaniline
Concen: 42.532 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

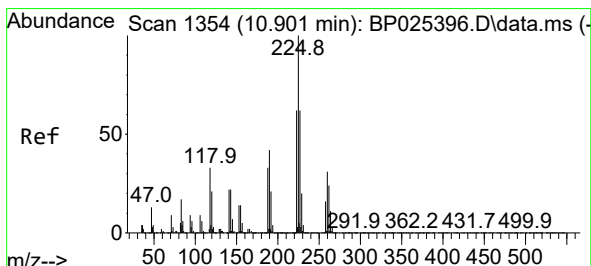
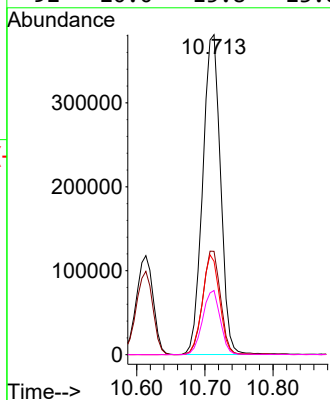
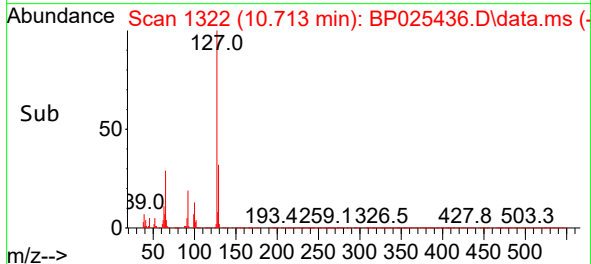
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



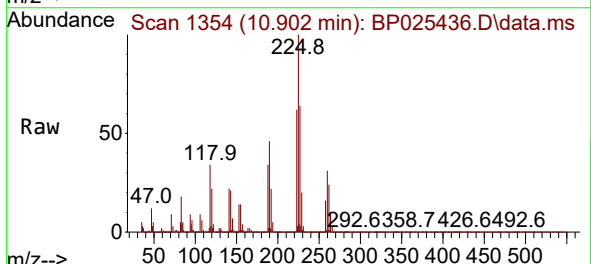
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.2
65	29.1	23.8	35.6
92	20.0	15.8	23.8

Manual Integrations
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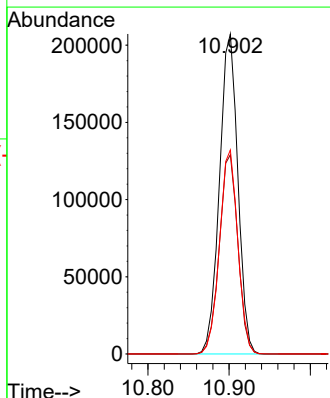
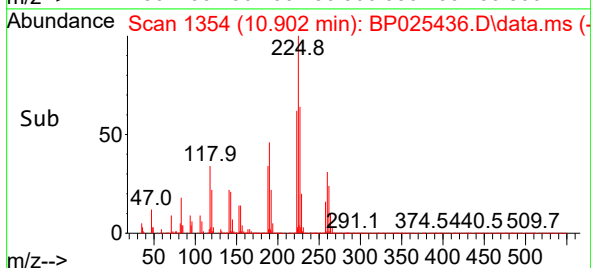
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

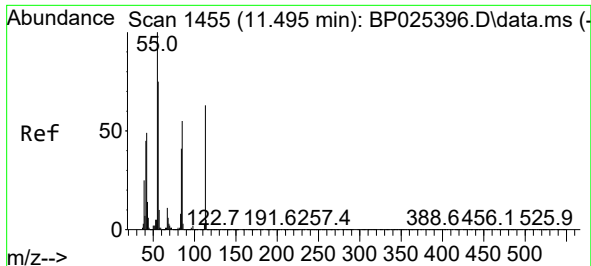


#34
Hexachlorobutadiene
Concen: 43.456 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



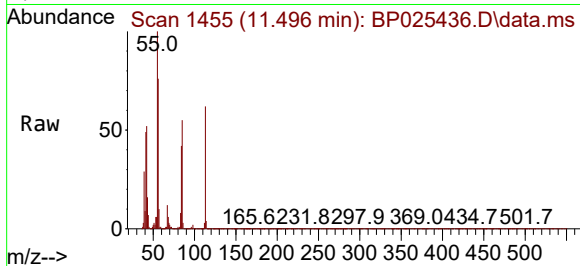
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.0	75.0
227	63.8	49.7	74.5





#35
Caprolactam
Concen: 41.554 ng
RT: 11.496 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

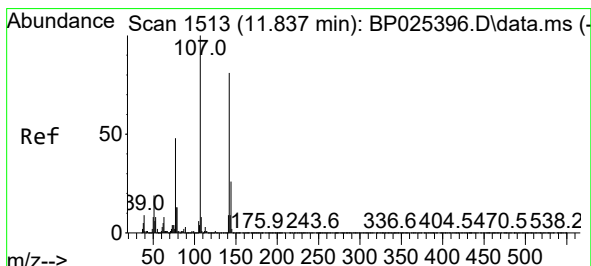
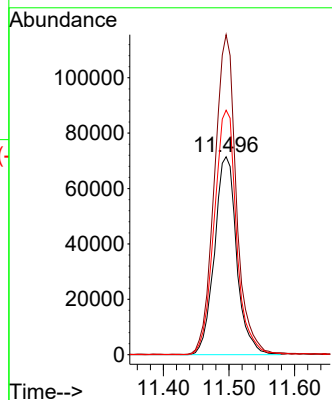
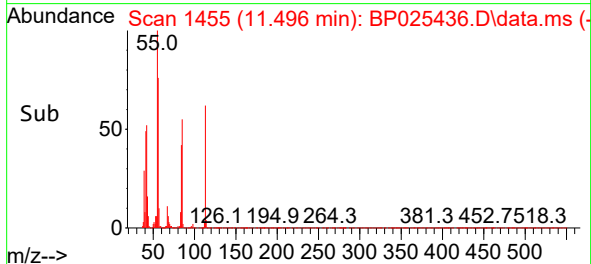
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



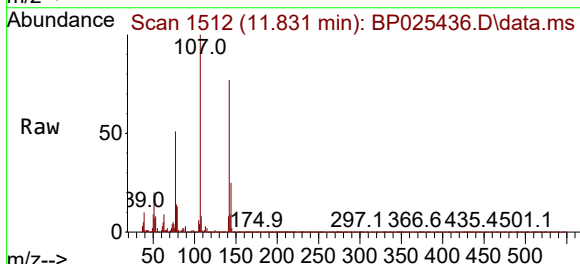
Tgt Ion:113 Resp: 16768
Ion Ratio Lower Upper
113 100
55 161.7 140.0 180.0
56 123.5 100.0 140.0

Manual Integrations
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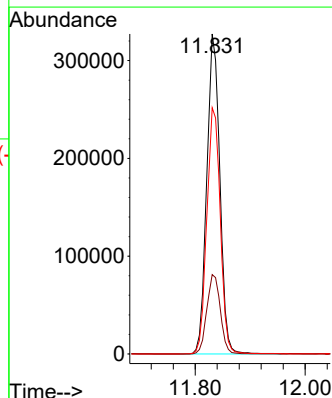
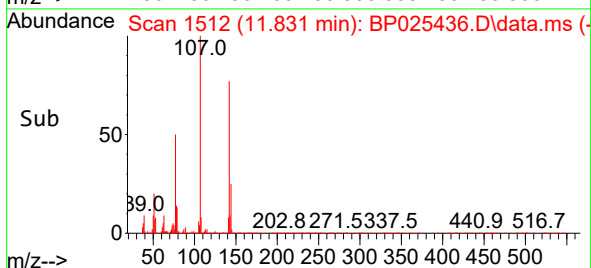
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

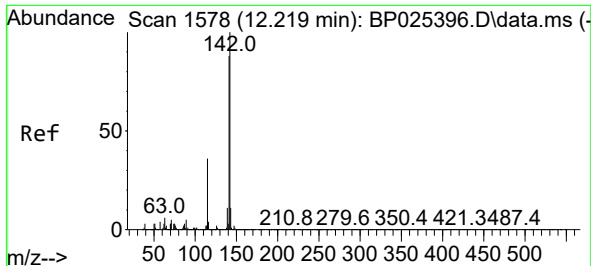


#36
4-Chloro-3-methylphenol
Concen: 42.698 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:107 Resp: 539188
Ion Ratio Lower Upper
107 100
144 24.8 21.0 31.4
142 76.9 64.6 97.0





#37
2-Methylnaphthalene
Concen: 41.968 ng
RT: 12.207 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

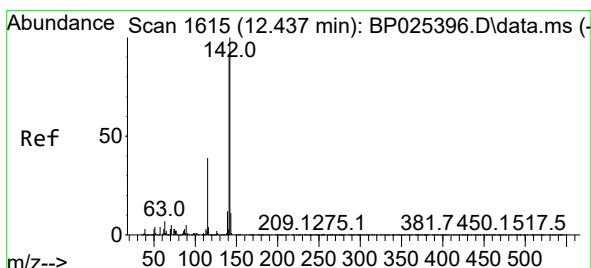
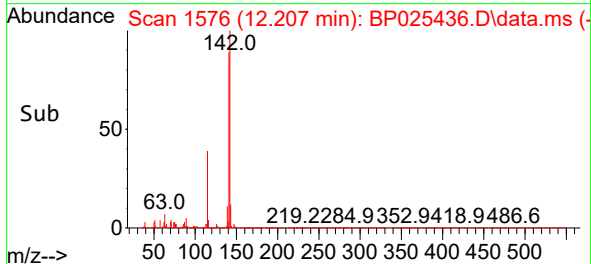
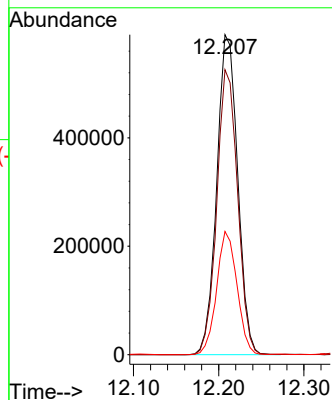
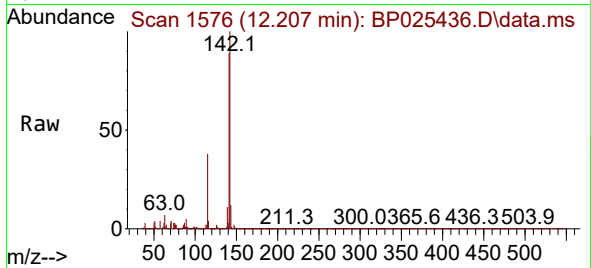
Tgt Ion:142 Resp: 100853
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 38.5 28.9 43.3

Manual Integrations

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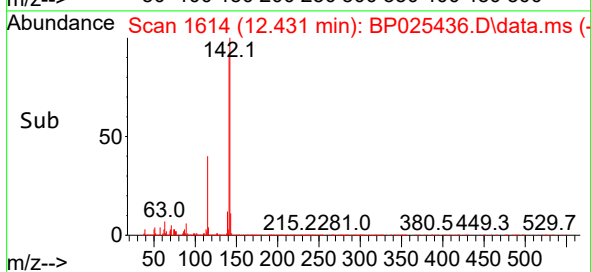
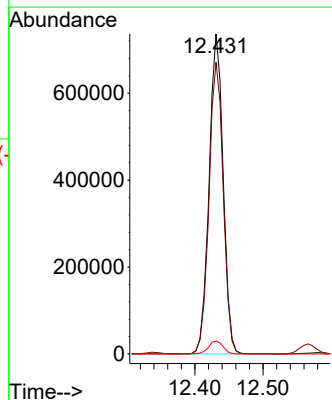
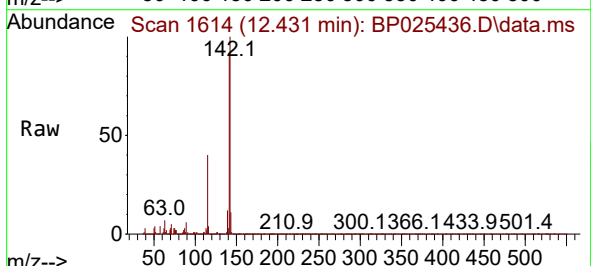
Reviewed By :Rahul Chavli 08/18/2025

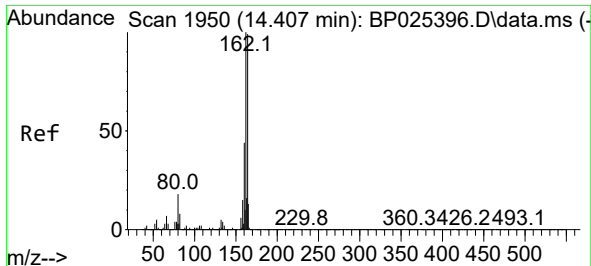
Supervised By :Jagrut Upadhyay 08/18/2025



#38
1-Methylnaphthalene
Concen: 41.373 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

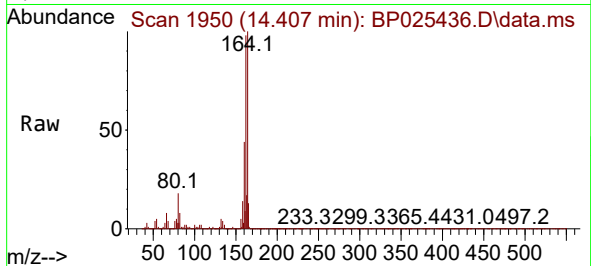
Tgt Ion:142 Resp: 1057345
Ion Ratio Lower Upper
142 100
141 91.2 73.1 109.7
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

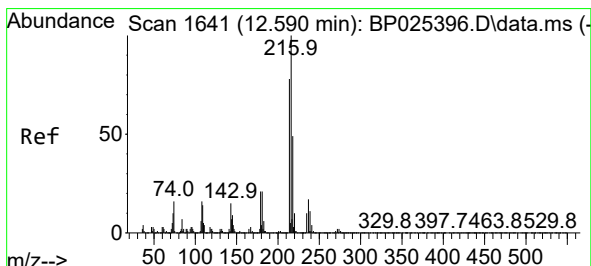
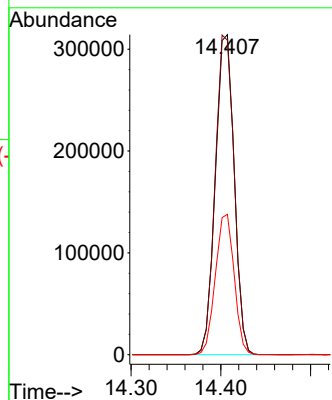
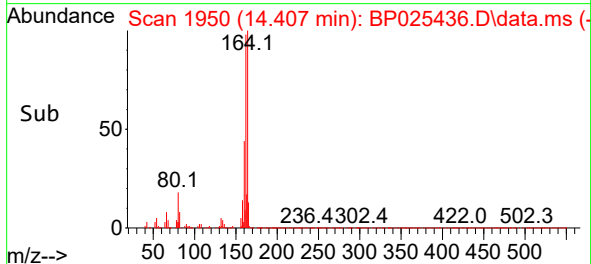
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



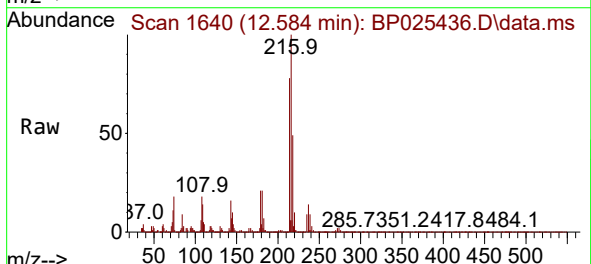
Tgt Ion:164 Resp: 456760
Ion Ratio Lower Upper
164 100
162 98.2 81.0 121.6
160 43.8 35.4 53.2

Manual Integrations
APPROVED

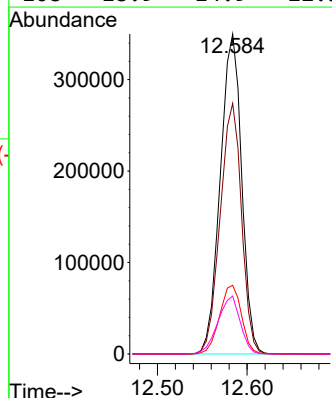
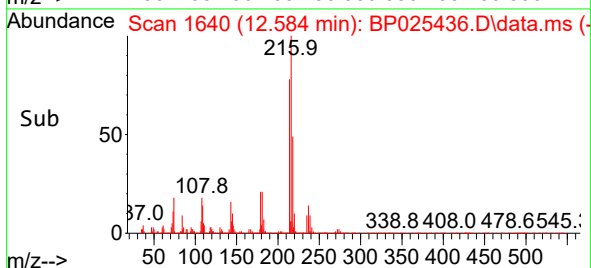
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

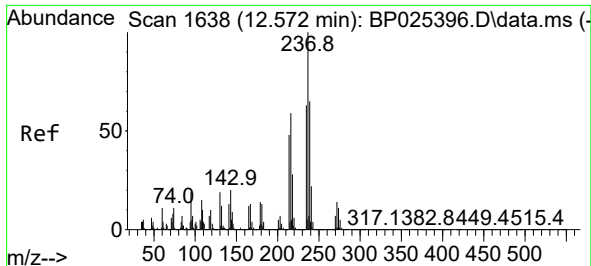


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.807 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



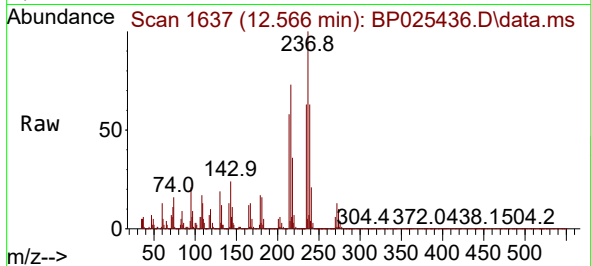
Tgt Ion:216 Resp: 577904
Ion Ratio Lower Upper
216 100
214 78.1 63.0 94.4
179 22.0 17.1 25.7
108 18.9 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 37.087 ng
RT: 12.566 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

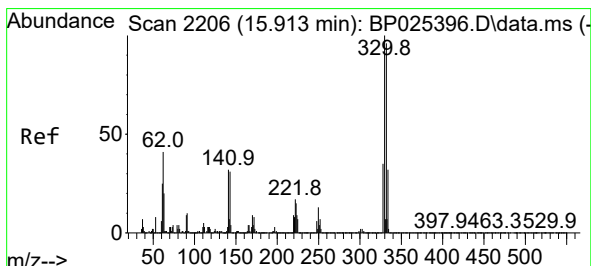
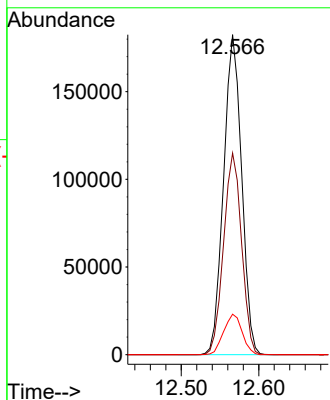
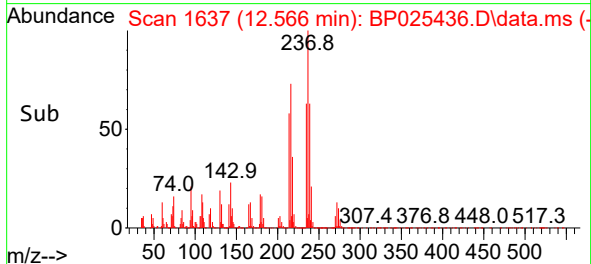
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



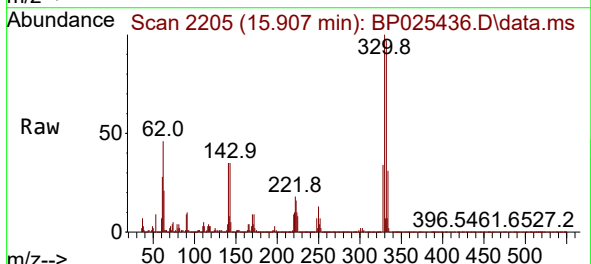
Tgt Ion: 237 Resp: 295524
Ion Ratio Lower Upper
237 100
235 63.0 42.7 82.7
272 12.7 0.0 34.0

Manual Integrations
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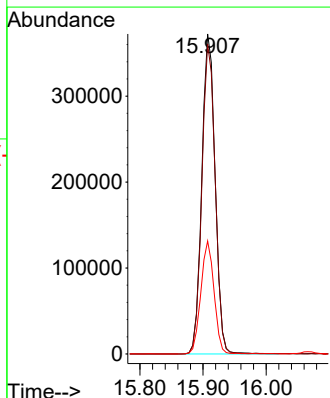
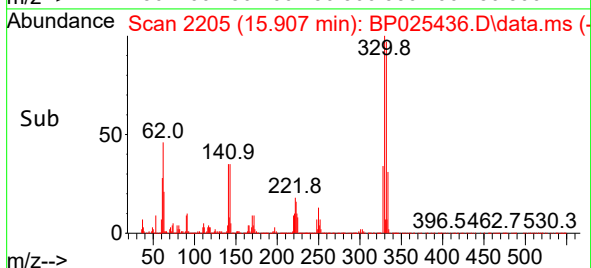
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

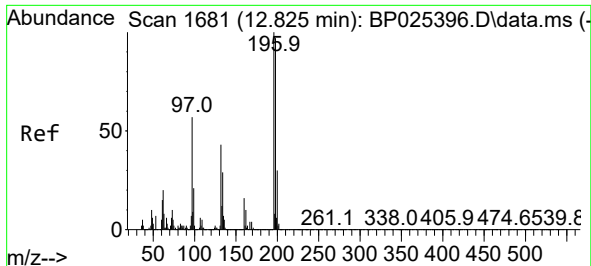


#42
2,4,6-Tribromophenol
Concen: 88.488 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



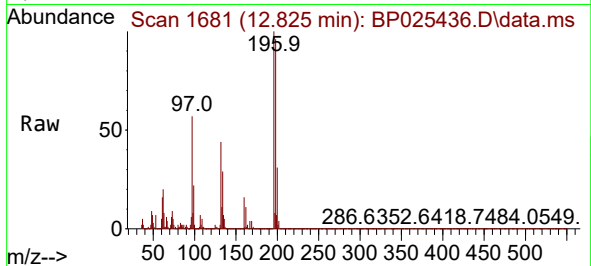
Tgt Ion: 330 Resp: 544037
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 35.0 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 44.759 ng
RT: 12.825 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

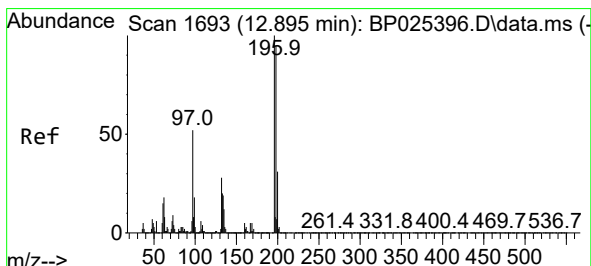
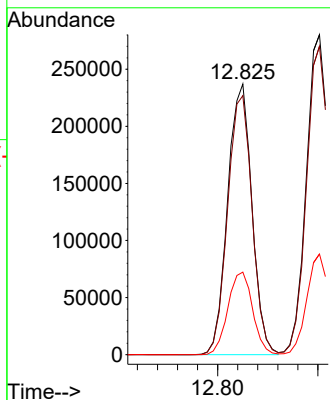
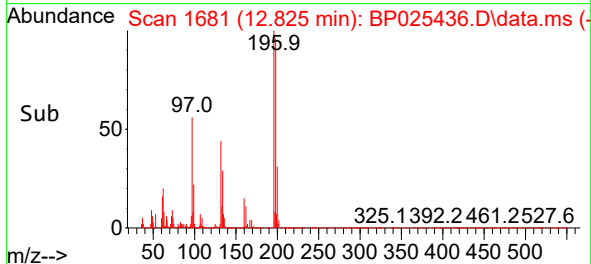
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



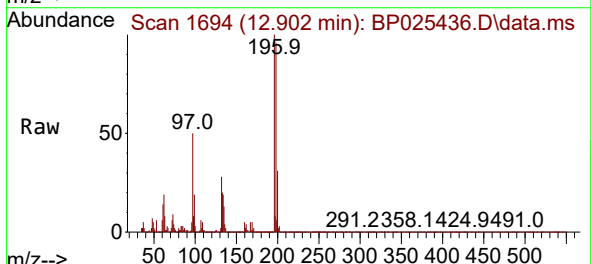
Tgt Ion:196 Resp: 39862
Ion Ratio Lower Upper
196 100
198 95.7 77.2 115.8
200 30.5 23.9 35.9

Manual Integrations
APPROVED

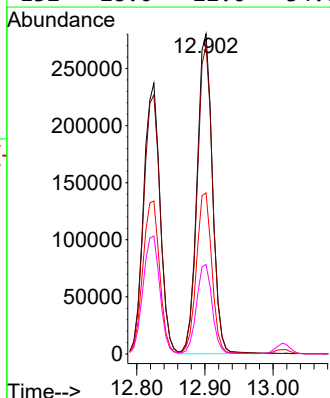
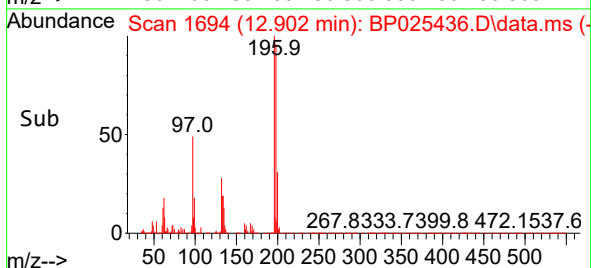
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

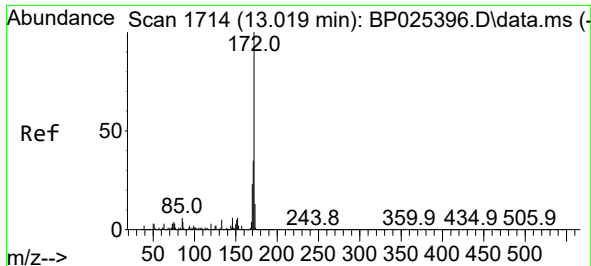


#44
2,4,5-Trichlorophenol
Concen: 45.101 ng
RT: 12.902 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:196 Resp: 440218
Ion Ratio Lower Upper
196 100
198 96.4 76.2 114.2
97 50.4 41.2 61.8
132 28.0 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 83.499 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

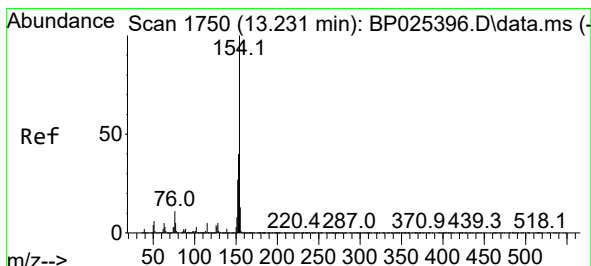
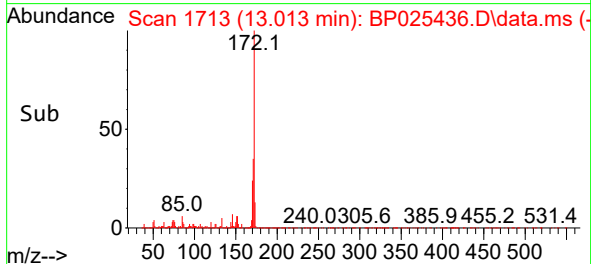
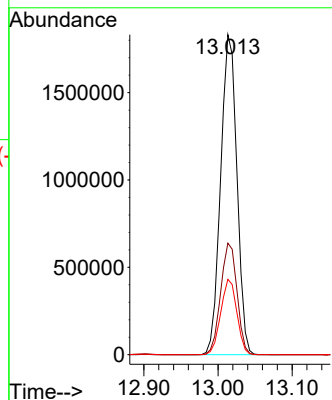
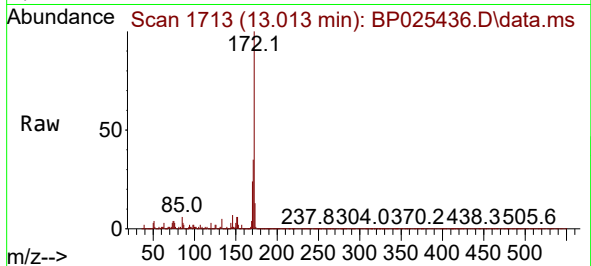
SSTDCCC040EC

Tgt Ion:172 Resp: 279065
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.5 18.6 28.0

Manual Integrations
APPROVED

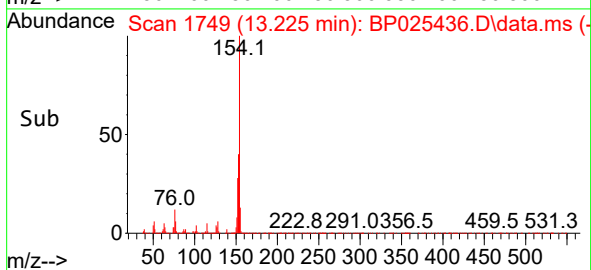
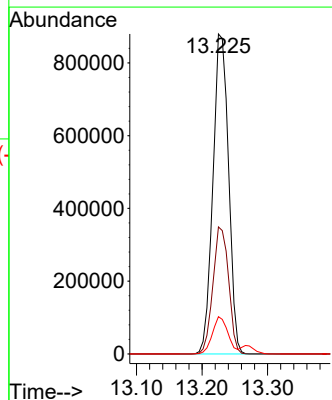
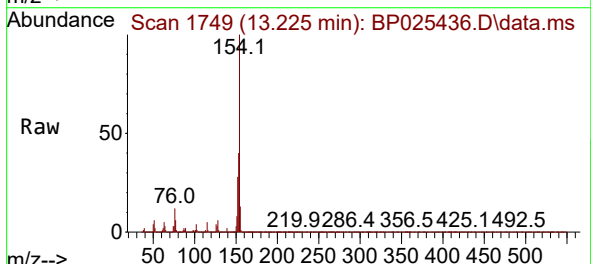
Reviewed By :Rahul Chavli 08/18/2025

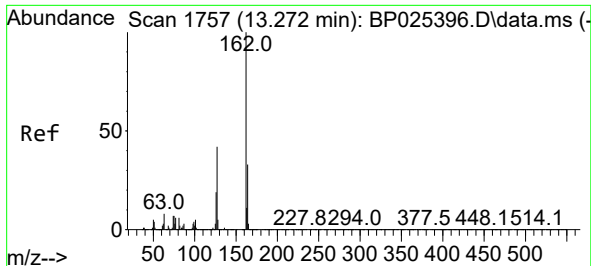
Supervised By :Jagrut Upadhyay 08/18/2025



#46
1,1'-Biphenyl
Concen: 43.790 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

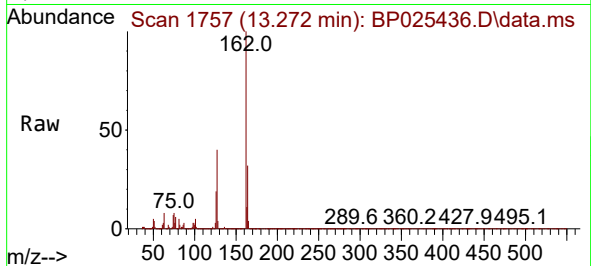
Tgt Ion:154 Resp: 1452635
Ion Ratio Lower Upper
154 100
153 39.7 19.5 59.5
76 11.6 0.0 31.1





#47
2-Chloronaphthalene
Concen: 43.406 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

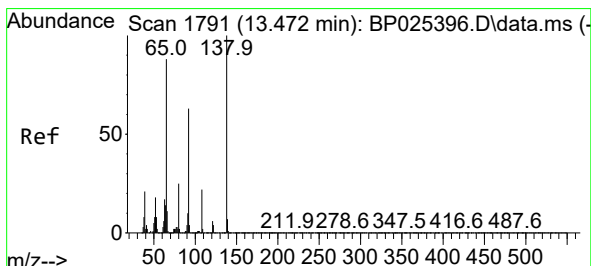
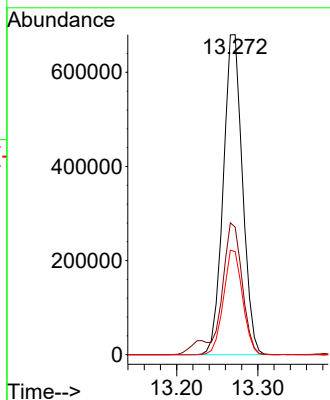
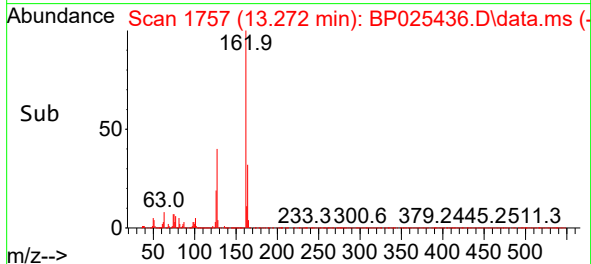
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



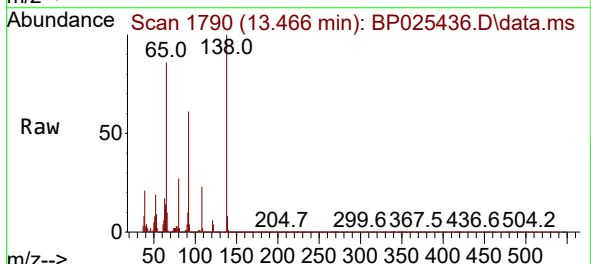
Tgt Ion: 162 Resp: 1120958
Ion Ratio Lower Upper
162 100
127 39.8 33.4 50.2
164 32.2 26.2 39.2

Manual Integrations
APPROVED

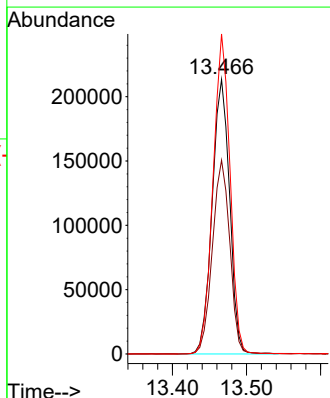
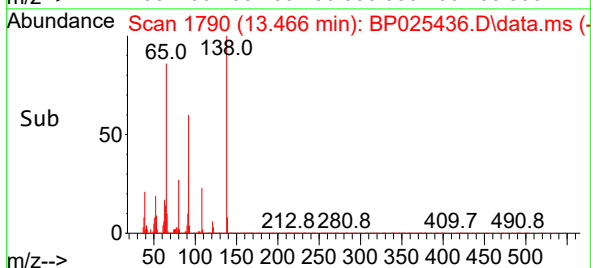
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

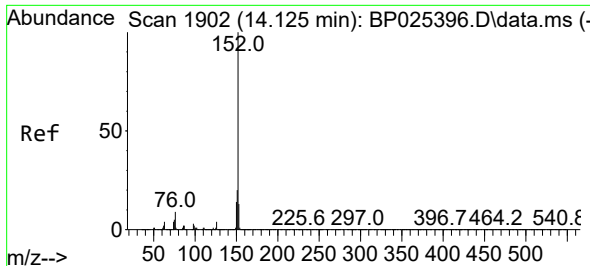


#48
2-Nitroaniline
Concen: 46.337 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



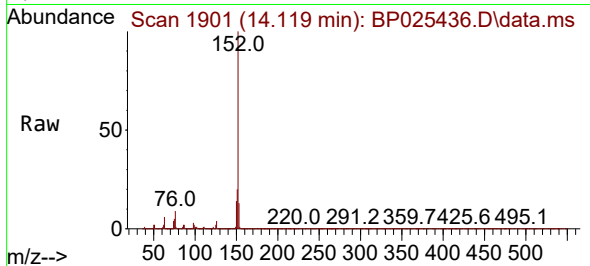
Tgt Ion: 65 Resp: 348676
Ion Ratio Lower Upper
65 100
92 70.5 57.6 86.4
138 116.5 91.0 136.6





#49
Acenaphthylene
Concen: 42.840 ng
RT: 14.119 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

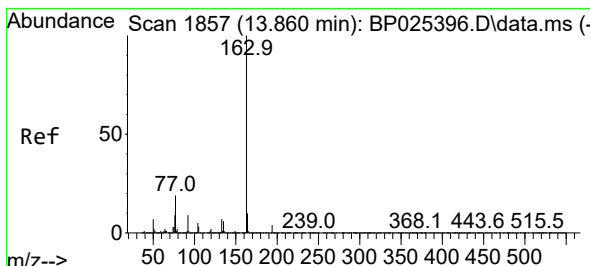
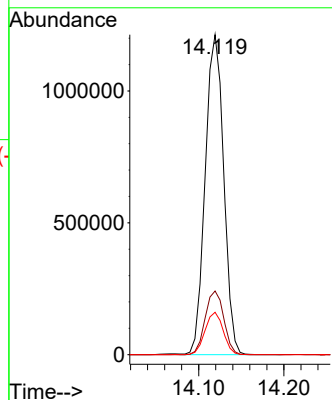
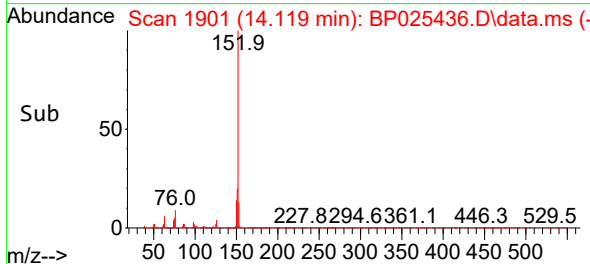
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



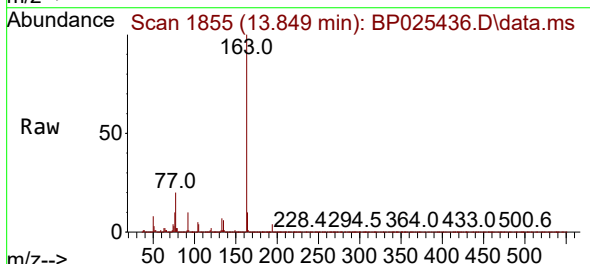
Tgt Ion:152 Resp: 183067
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 13.3 10.6 15.8

Manual Integrations
APPROVED

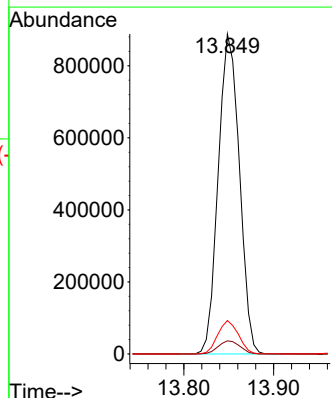
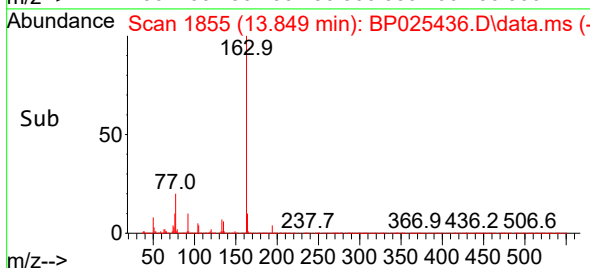
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

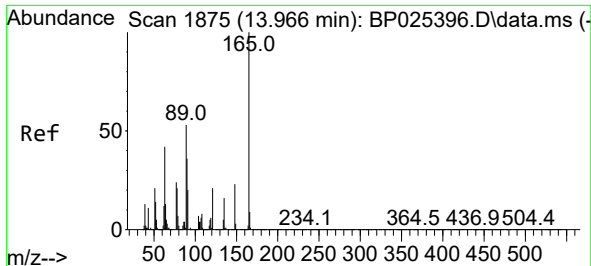


#50
Dimethylphthalate
Concen: 43.502 ng
RT: 13.849 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:163 Resp: 1455084
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.4 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 45.175 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

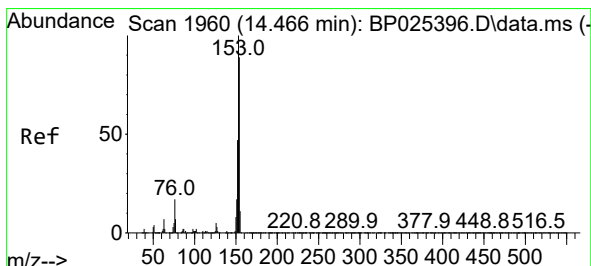
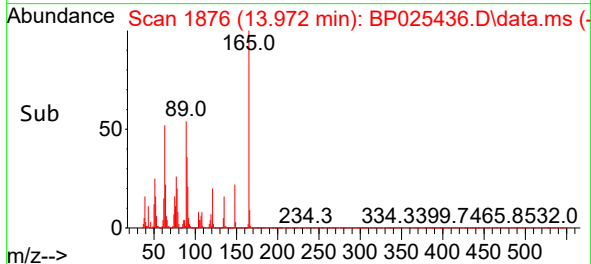
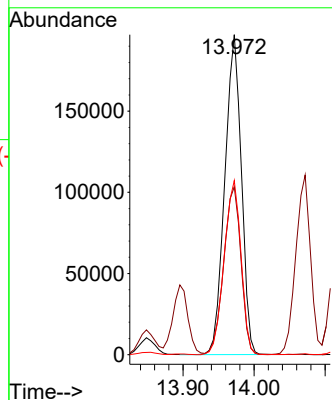
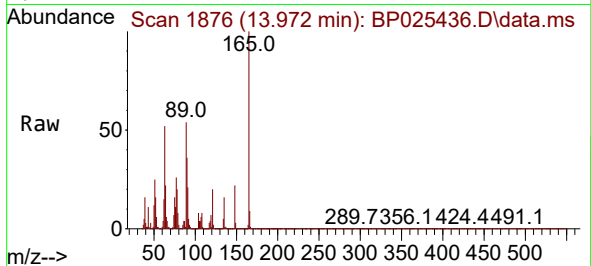
Tgt Ion:165 Resp: 31848
Ion Ratio Lower Upper
165 100
63 52.5 40.9 61.3
89 54.4 42.1 63.1

Manual Integrations

APPROVED

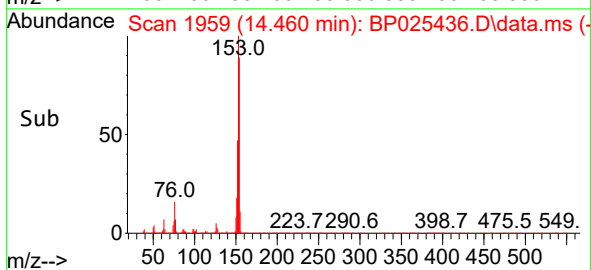
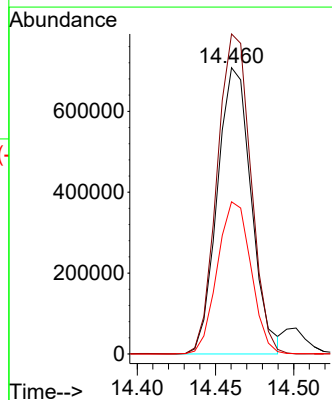
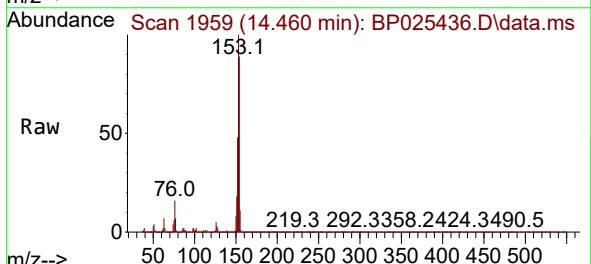
Reviewed By :Rahul Chavli 08/18/2025

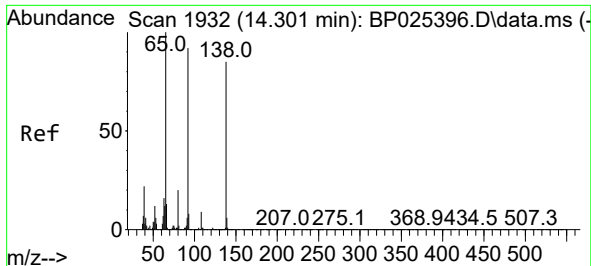
Supervised By :Jagrut Upadhyay 08/18/2025



#52
Acenaphthene
Concen: 42.589 ng m
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

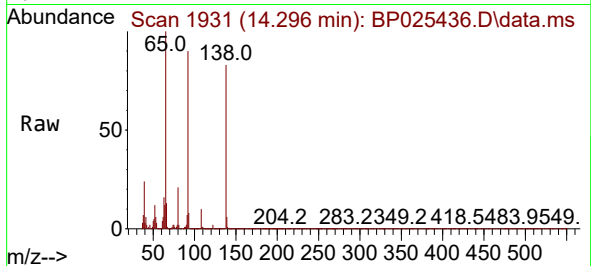
Tgt Ion:154 Resp: 1068266
Ion Ratio Lower Upper
154 100
153 111.8 90.2 135.2
152 53.2 42.1 63.1





#53
3-Nitroaniline
Concen: 44.932 ng
RT: 14.296 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

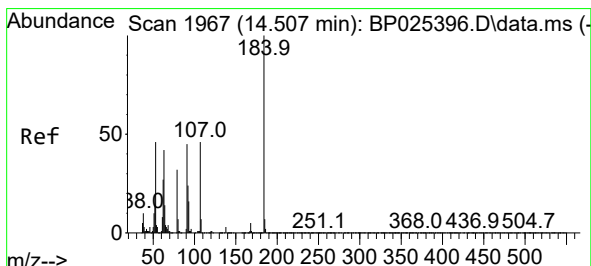
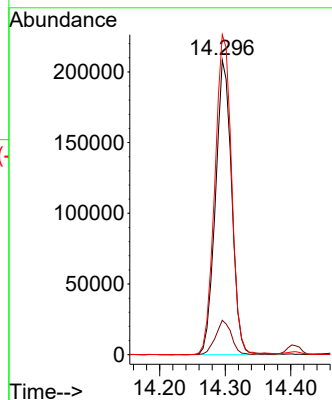
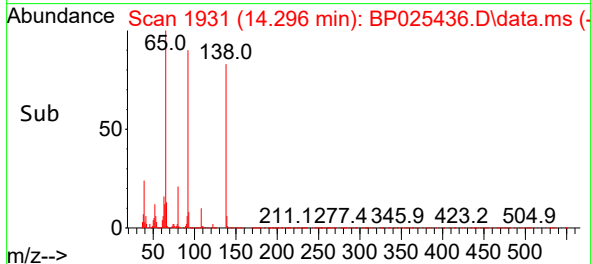
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



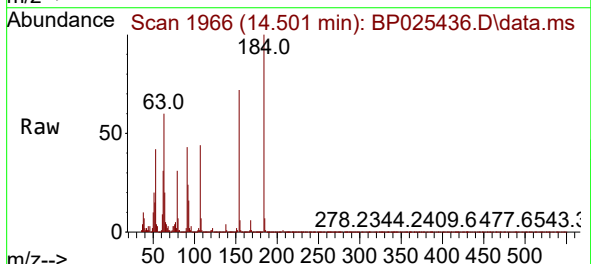
Tgt Ion:138 Resp: 35639
Ion Ratio Lower Upper
138 100
108 11.7 8.3 12.5
92 108.6 86.2 129.2

Manual Integrations
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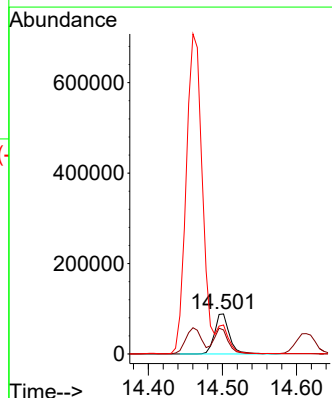
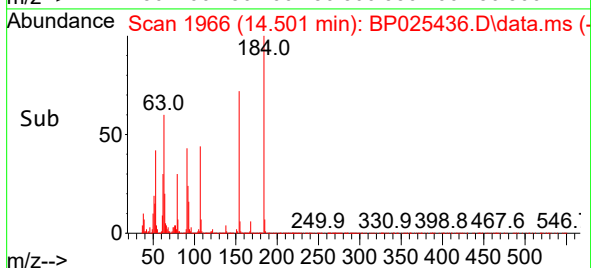
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

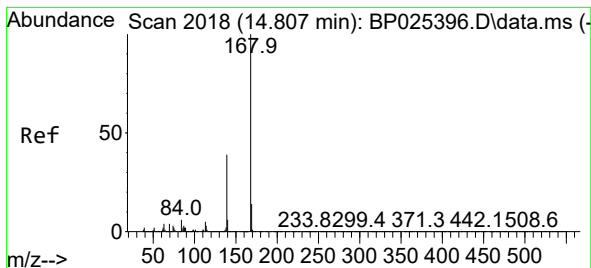


#54
2,4-Dinitrophenol
Concen: 32.634 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



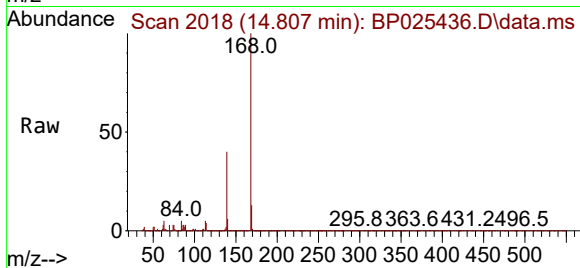
Tgt Ion:184 Resp: 122865
Ion Ratio Lower Upper
184 100
63 60.0 49.4 74.2
154 72.5 54.6 82.0





#55
Dibenzenofuran
Concen: 42.593 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

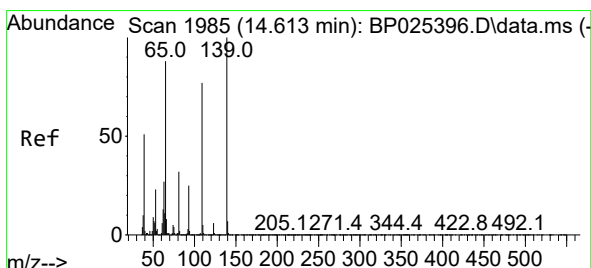
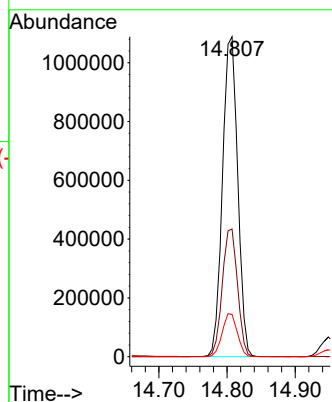
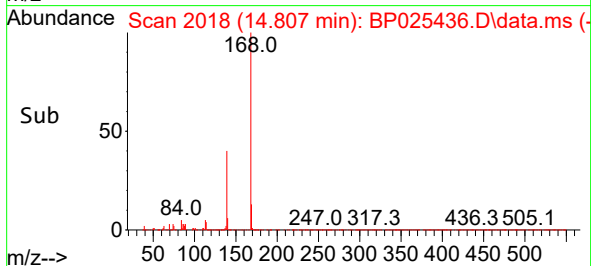
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



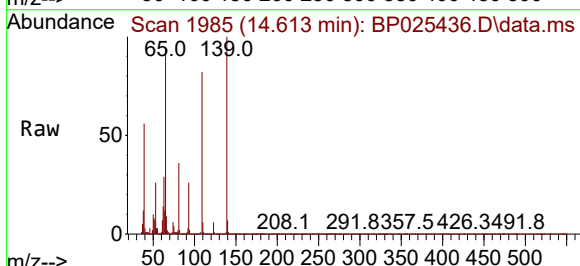
Tgt Ion:168 Resp: 168912
Ion Ratio Lower Upper
168 100
139 39.9 31.5 47.3
169 13.2 10.9 16.3

Manual Integrations
APPROVED

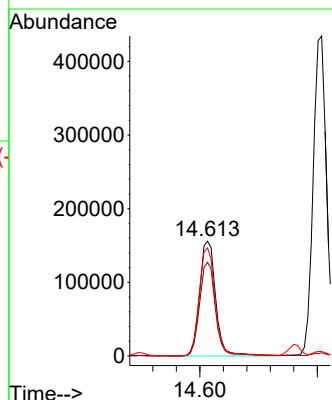
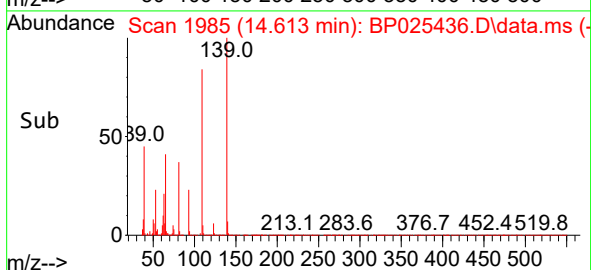
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

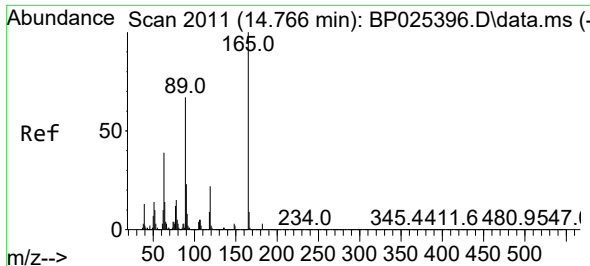


#56
4-Nitrophenol
Concen: 45.358 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:139 Resp: 295639
Ion Ratio Lower Upper
139 100
109 81.5 56.6 96.6
65 94.1 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 45.189 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

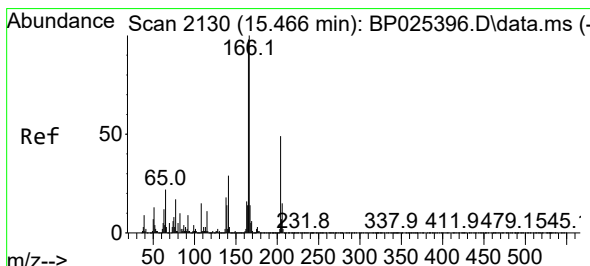
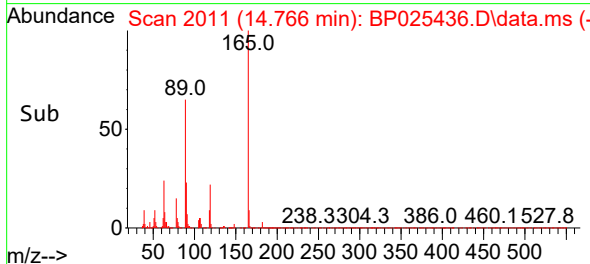
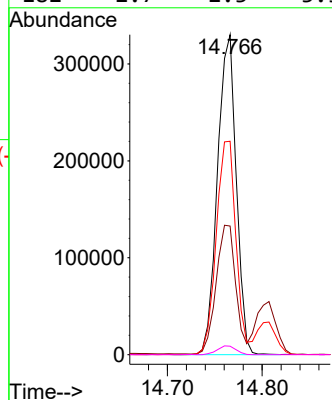
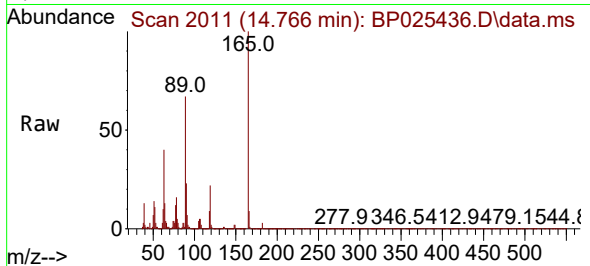
ClientSampleId :

SSTDCCC040EC

Tgt Ion:165 Resp: 45453
Ion Ratio Lower Upper
165 100
63 40.2 31.4 47.2
89 66.7 53.3 79.9
182 2.7 2.3 3.5

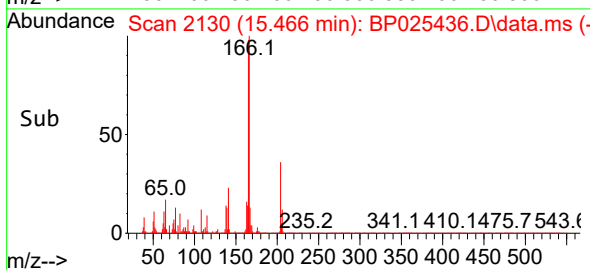
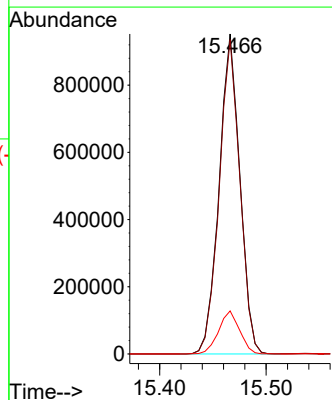
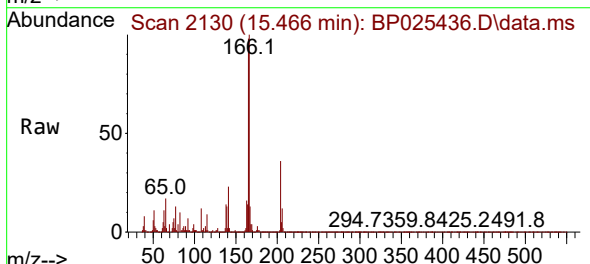
Manual Integrations
APPROVED

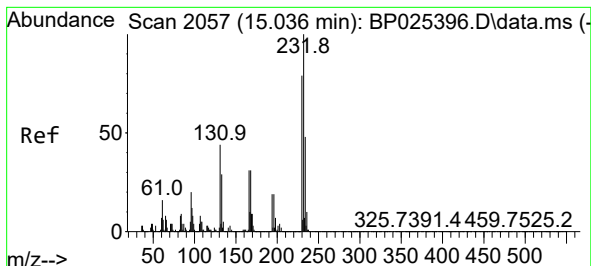
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#58
Fluorene
Concen: 41.160 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

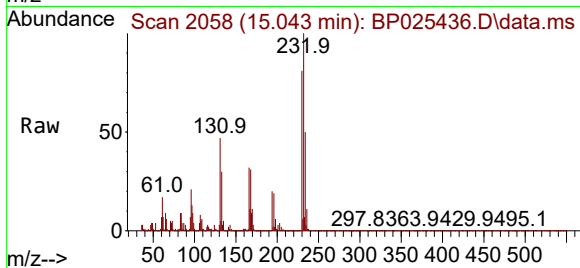
Tgt Ion:166 Resp: 1287972
Ion Ratio Lower Upper
166 100
165 98.2 78.8 118.2
167 13.5 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.201 ng
RT: 15.043 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

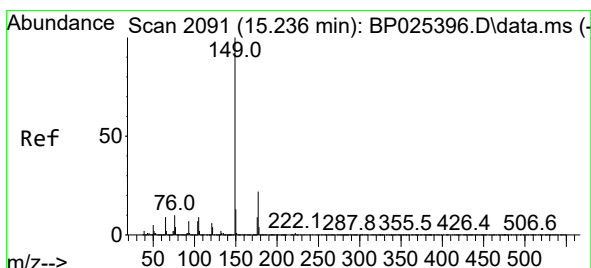
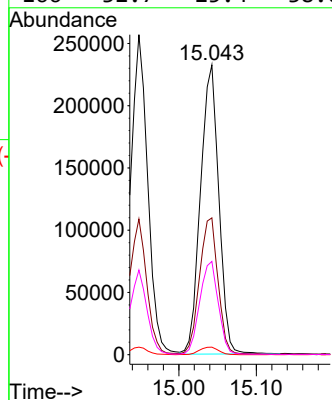
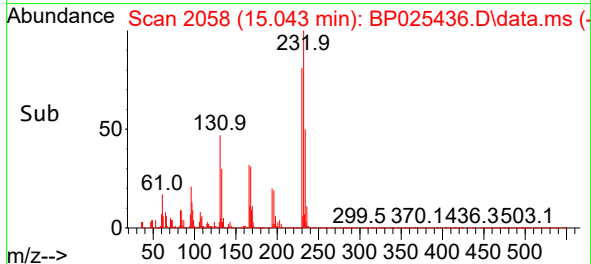
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:232 Resp: 38095
Ion Ratio Lower Upper
232 100
131 48.7 37.0 55.6
130 2.7 1.9 2.9
166 32.7 25.4 38.0

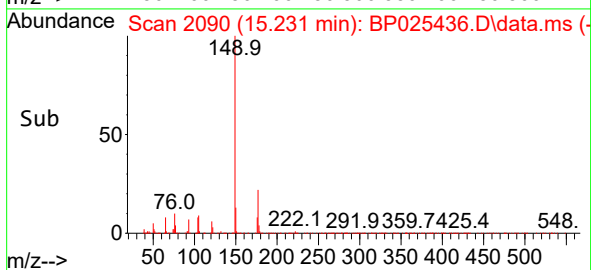
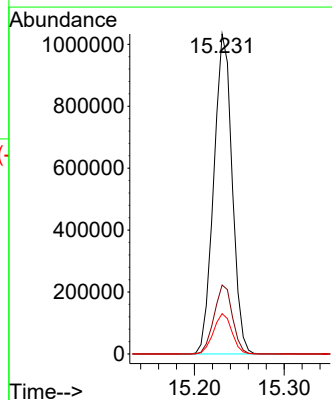
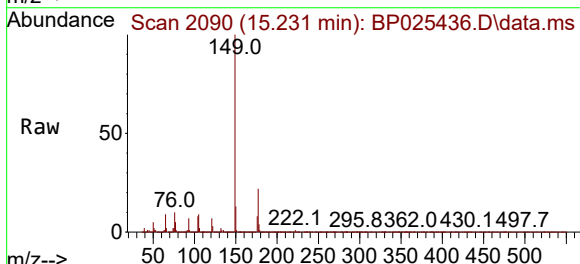
Manual Integrations
APPROVED

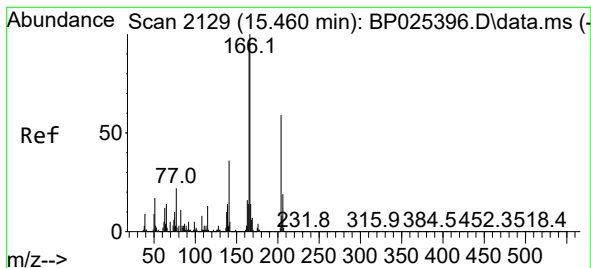
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#60
Diethylphthalate
Concen: 43.195 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

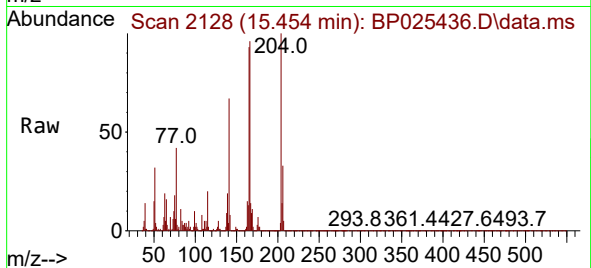
Tgt Ion:149 Resp: 1468089
Ion Ratio Lower Upper
149 100
177 21.5 17.3 25.9
150 12.6 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 41.240 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

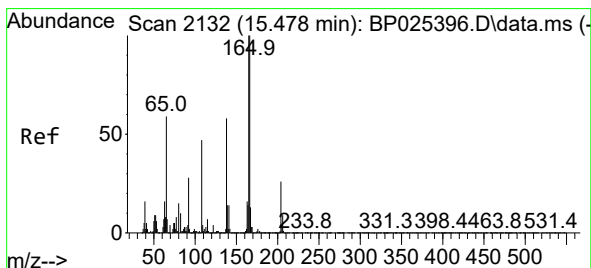
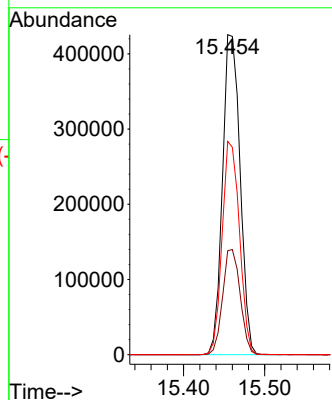
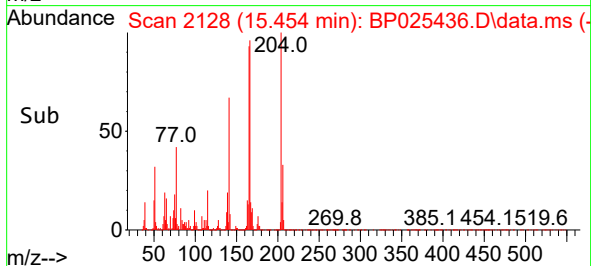
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



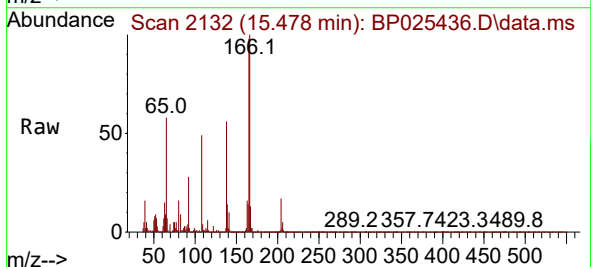
Tgt Ion:204 Resp: 641804
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.8
141 66.7 49.4 74.2

Manual Integrations
APPROVED

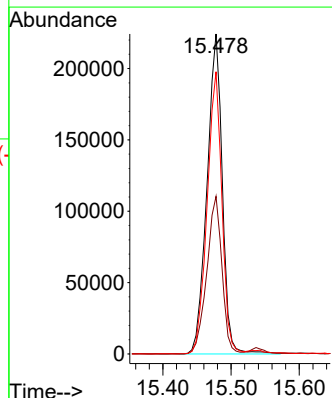
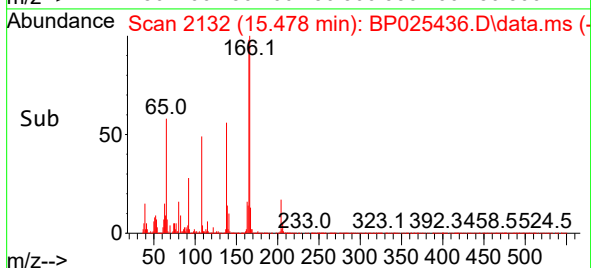
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

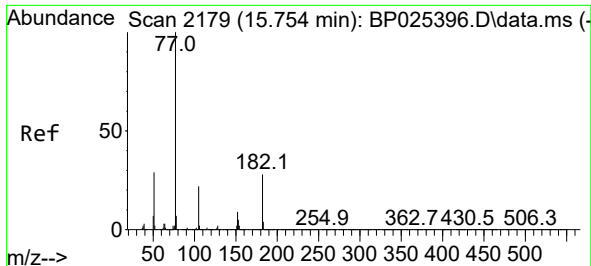


#62
4-Nitroaniline
Concen: 43.130 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



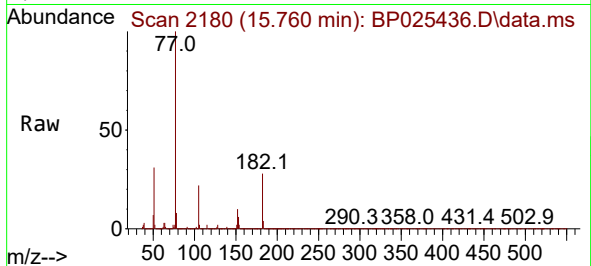
Tgt Ion:138 Resp: 350711
Ion Ratio Lower Upper
138 100
92 49.3 29.1 69.1
108 88.2 61.5 101.5





#63
Azobenzene
Concen: 44.580 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

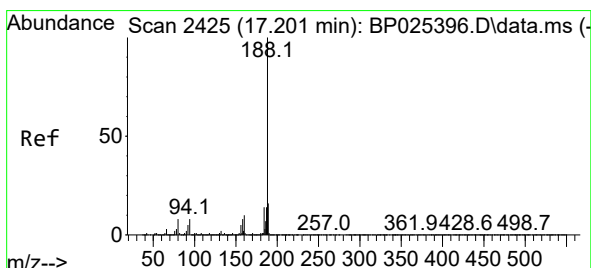
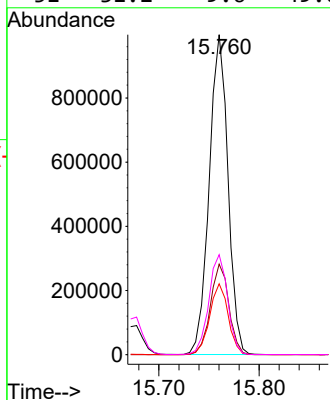
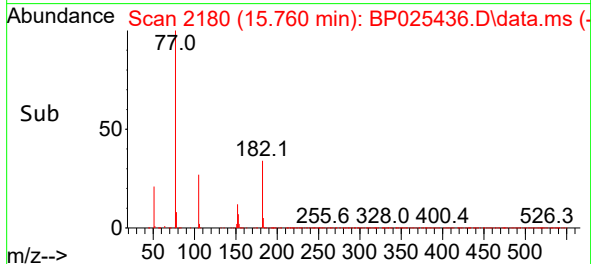
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



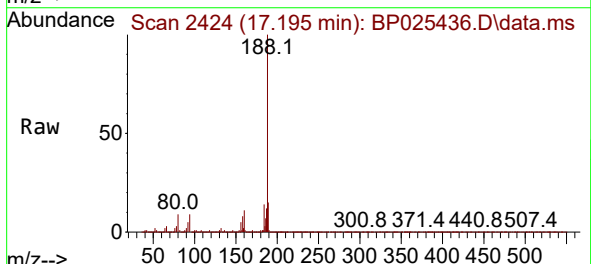
Tgt Ion: 77 Resp: 129735
Ion Ratio Lower Upper
77 100
182 28.3 7.5 47.5
105 22.1 2.1 42.1
51 31.2 9.6 49.6

Manual Integrations
APPROVED

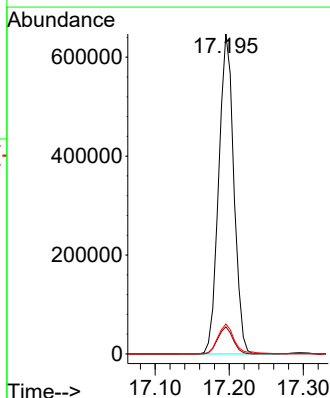
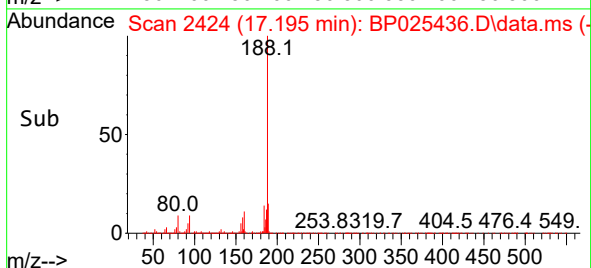
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

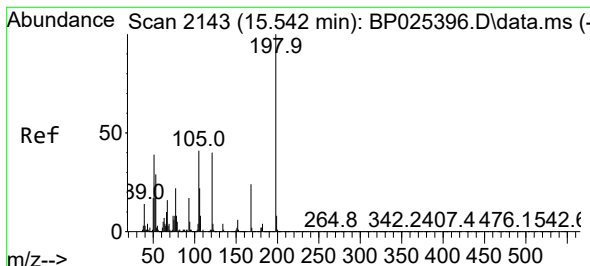


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



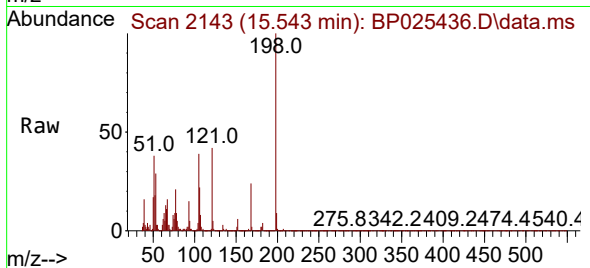
Tgt Ion:188 Resp: 916670
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.3 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 35.341 ng
RT: 15.543 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

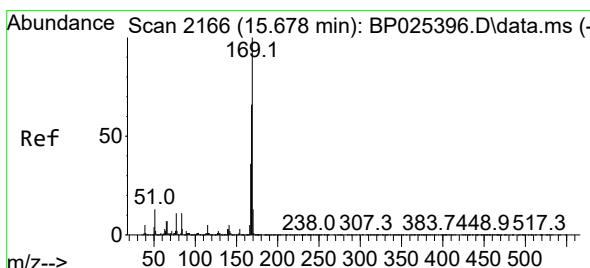
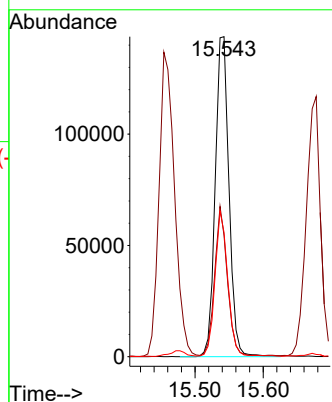
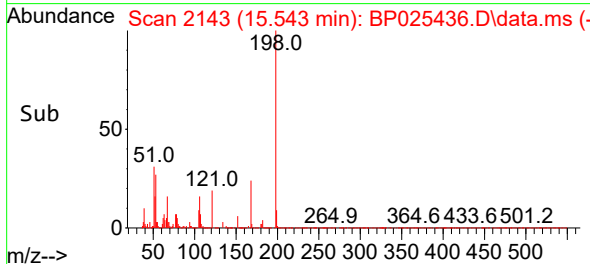
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



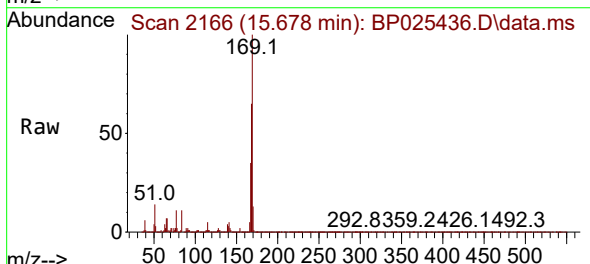
Tgt Ion:198 Resp: 201944
Ion Ratio Lower Upper
198 100
51 37.8 19.6 59.6
105 38.8 20.9 60.9

Manual Integrations
APPROVED

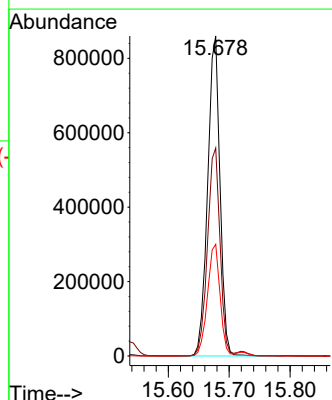
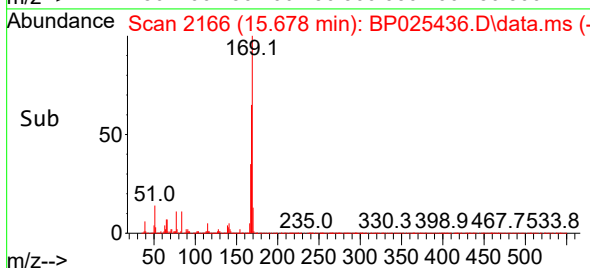
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

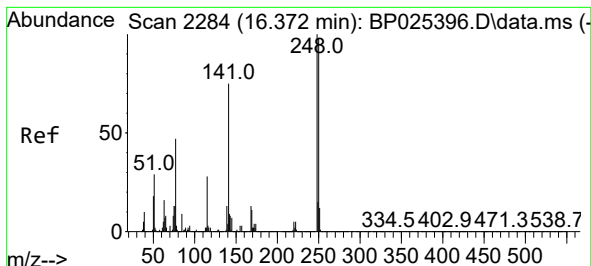


#66
n-Nitrosodiphenylamine
Concen: 43.243 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:169 Resp: 1208784
Ion Ratio Lower Upper
169 100
168 65.0 53.2 79.8
167 34.9 28.7 43.1





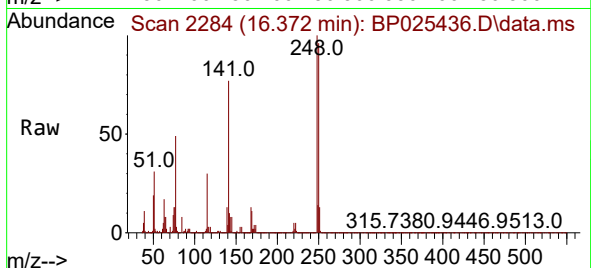
#67
4-Bromophenyl-phenylether
Concen: 43.928 ng
RT: 16.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC



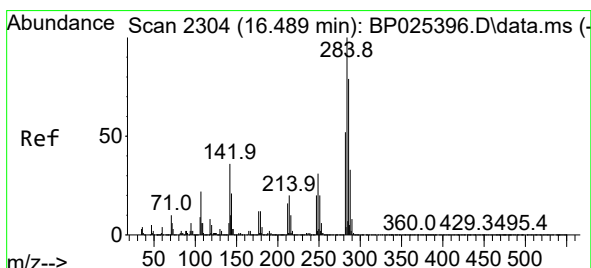
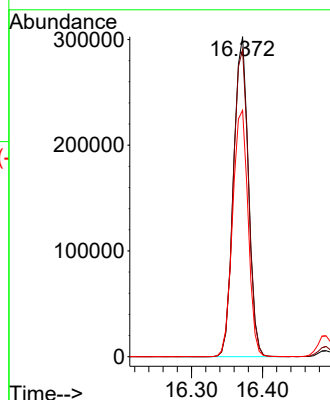
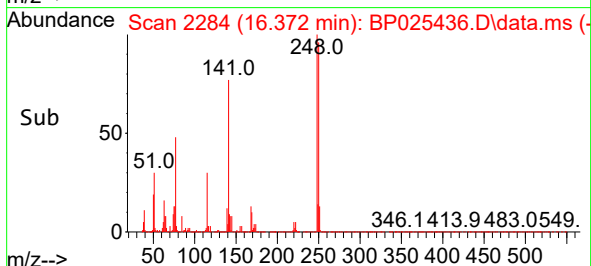
Tgt Ion:248 Resp: 44286
Ion Ratio Lower Upper
248 100
250 96.0 78.2 117.2
141 77.0 59.6 89.4

Manual Integrations

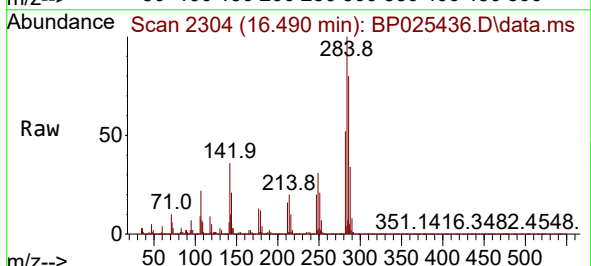
APPROVED

Reviewed By :Rahul Chavli 08/18/2025

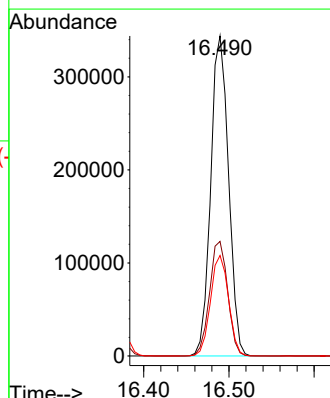
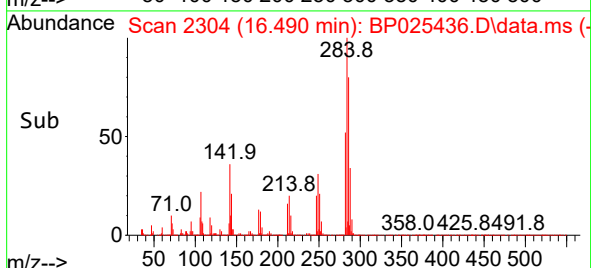
Supervised By :Jagrut Upadhyay 08/18/2025

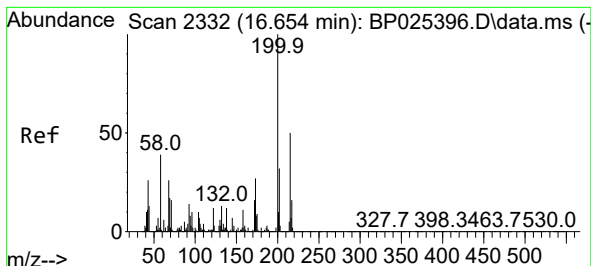


#68
Hexachlorobenzene
Concen: 42.691 ng
RT: 16.490 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:284 Resp: 498920
Ion Ratio Lower Upper
284 100
142 35.8 29.1 43.7
249 31.4 25.0 37.4





#69

Atrazine

Concen: 43.775 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

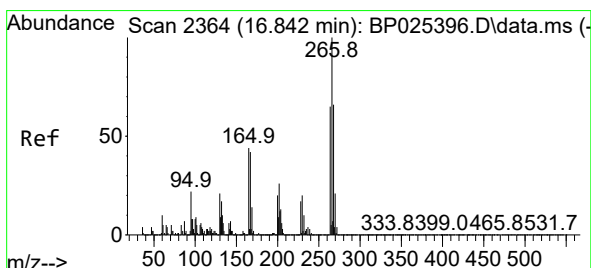
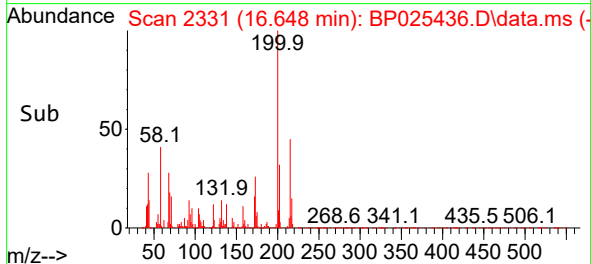
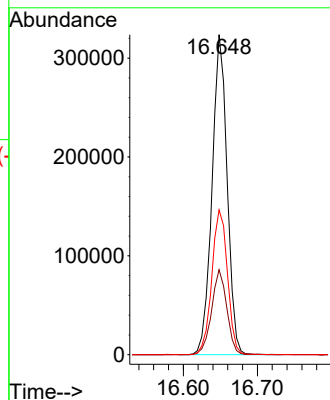
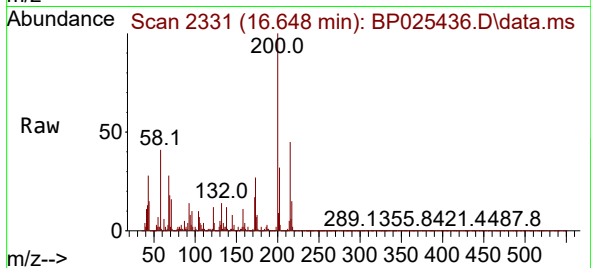
Tgt Ion:	200	Resp:	45825
Ion Ratio	Lower	Upper	
200	100		
173	26.6	6.7	46.7
215	45.3	29.7	69.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#70

Pentachlorophenol

Concen: 44.342 ng

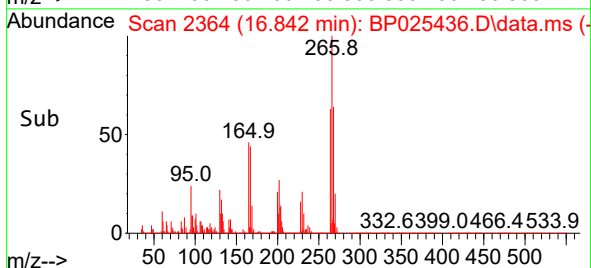
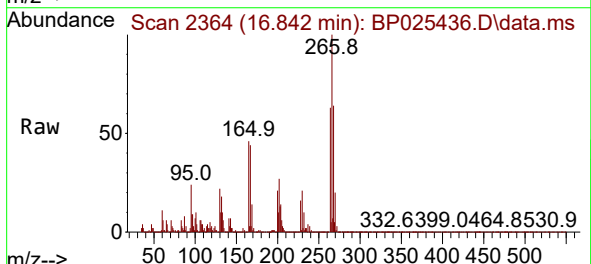
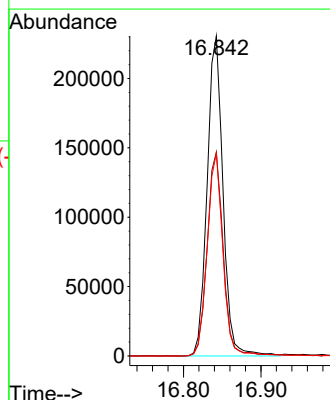
RT: 16.842 min Scan# 2364

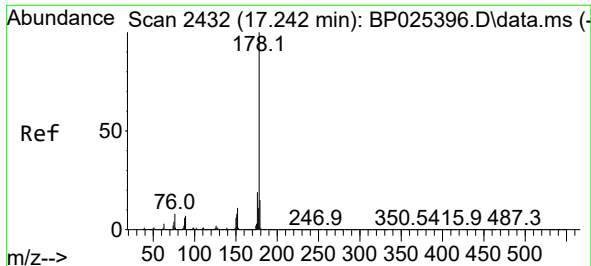
Delta R.T. 0.000 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

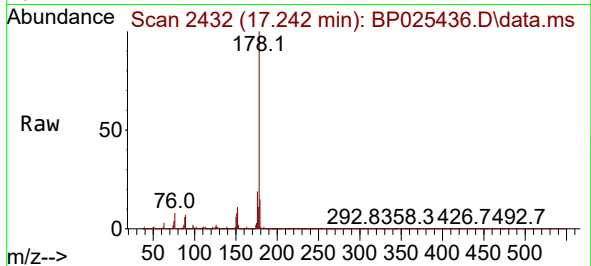
Tgt Ion:	266	Resp:	327120
Ion Ratio	Lower	Upper	
266	100		
268	63.7	52.6	79.0
264	63.4	52.0	78.0





#71
Phenanthrene
Concen: 42.302 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

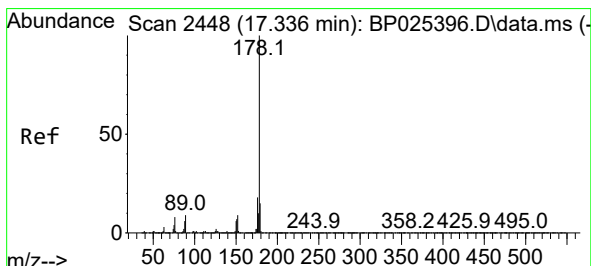
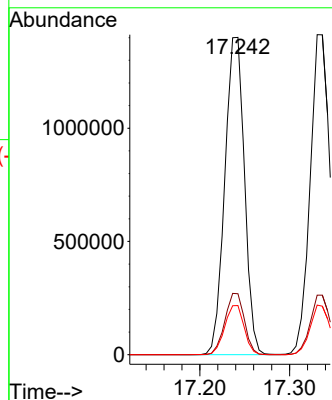
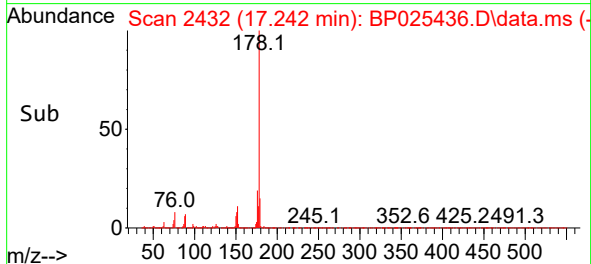
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:178 Resp: 213015
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.4

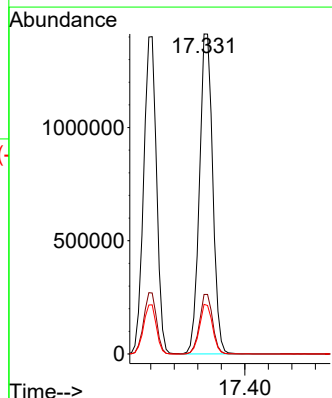
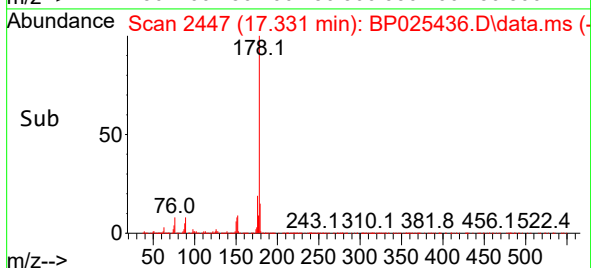
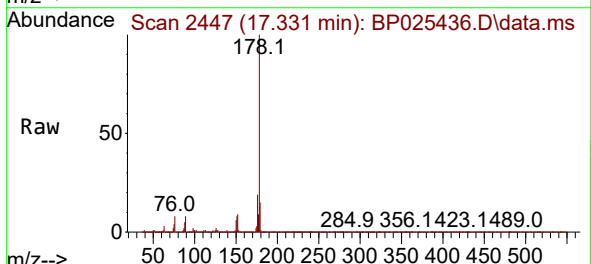
Manual Integrations
APPROVED

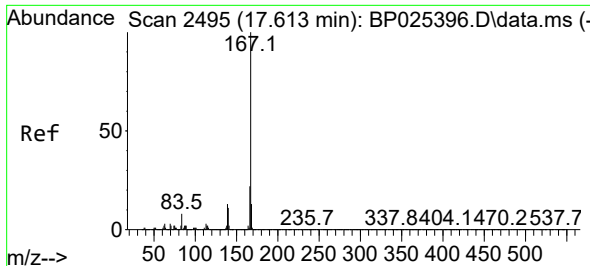
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#72
Anthracene
Concen: 42.872 ng
RT: 17.331 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

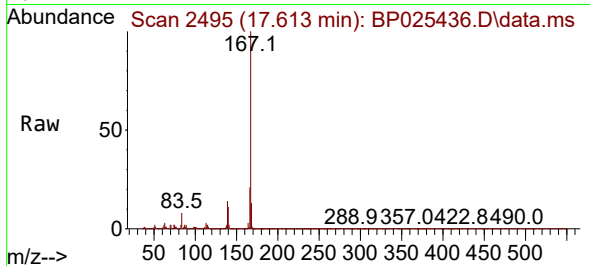
Tgt Ion:178 Resp: 2204625
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.5 12.2 18.2





#73
 Carbazole
 Concen: 42.695 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

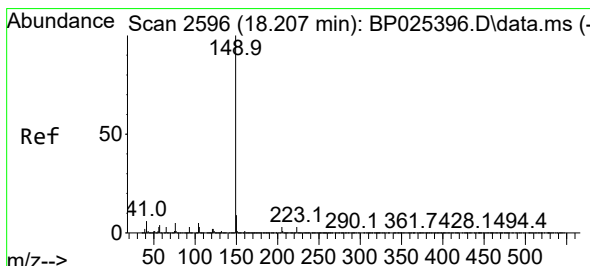
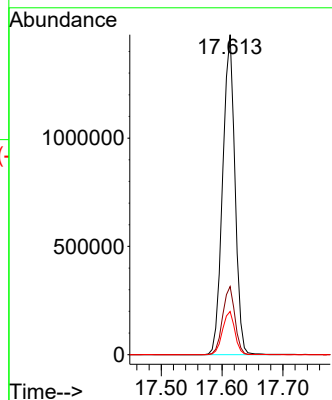
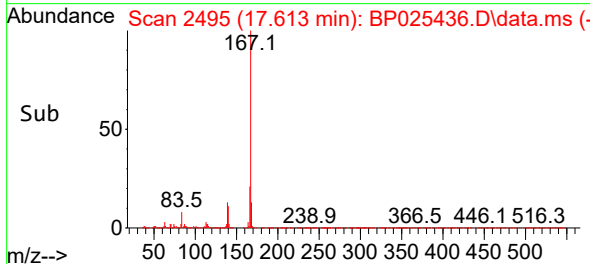
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC



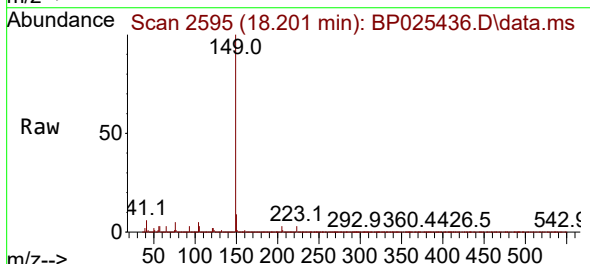
Tgt Ion:167 Resp: 206799
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.5 26.3
 139 13.5 10.6 16.0

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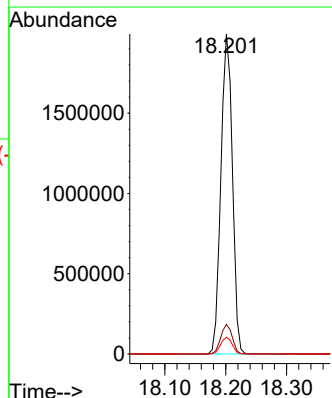
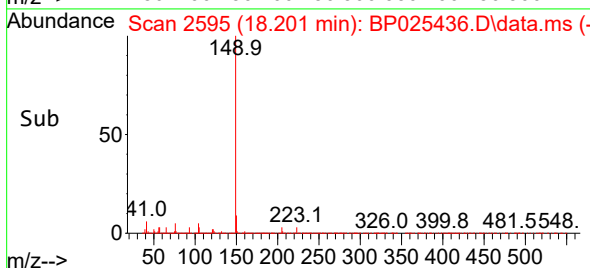
Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

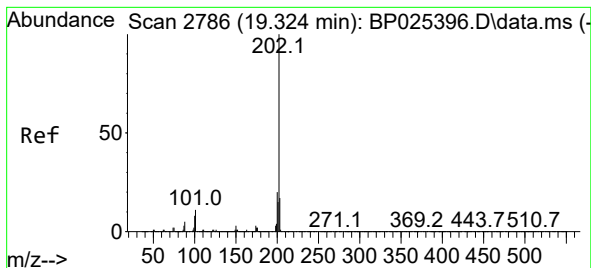


#74
 Di-n-butylphthalate
 Concen: 43.693 ng
 RT: 18.201 min Scan# 2595
 Delta R.T. -0.006 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03



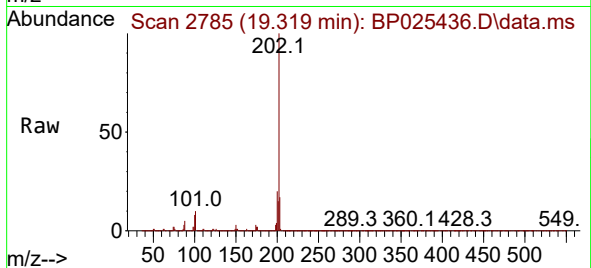
Tgt Ion:149 Resp: 2603783
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 41.933 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

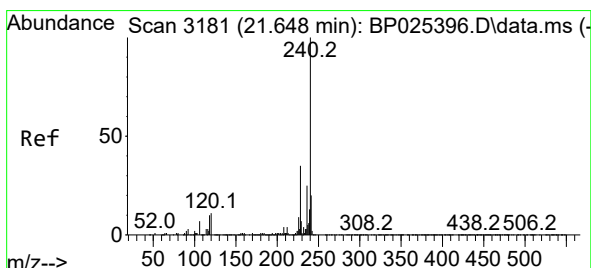
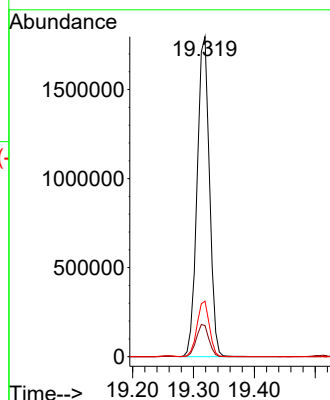
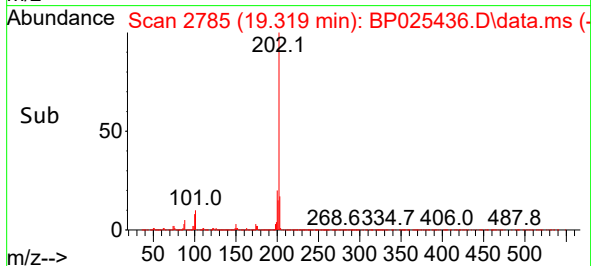
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:202 Resp: 251875
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.1
203 17.3 0.0 37.3

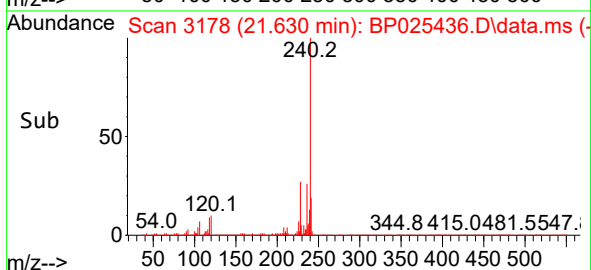
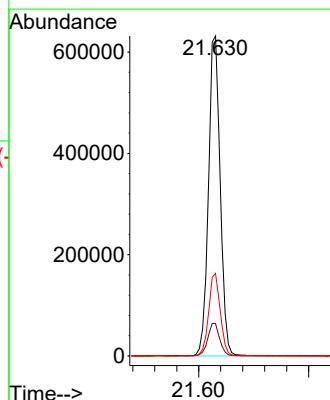
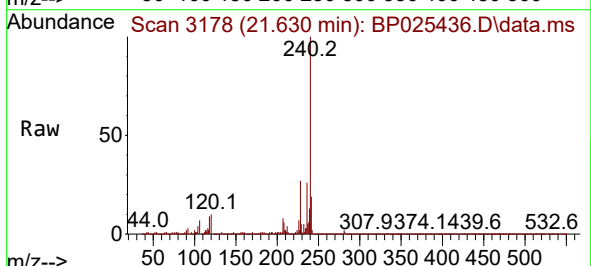
Manual Integrations
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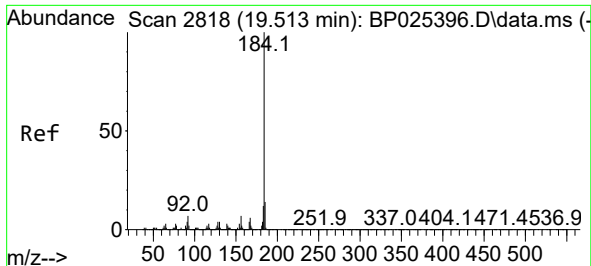
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

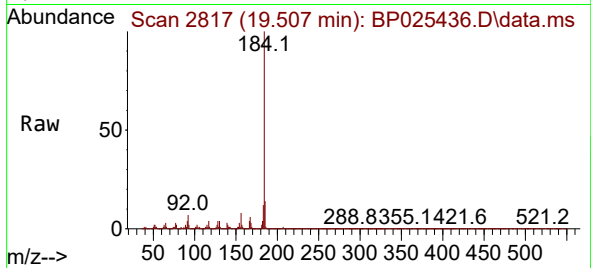
Tgt Ion:240 Resp: 933454
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.8 19.8 29.8





#77
Benzidine
Concen: 47.349 ng
RT: 19.507 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

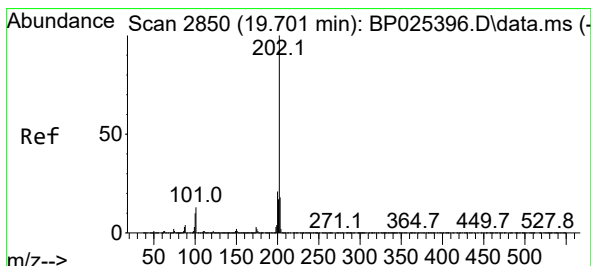
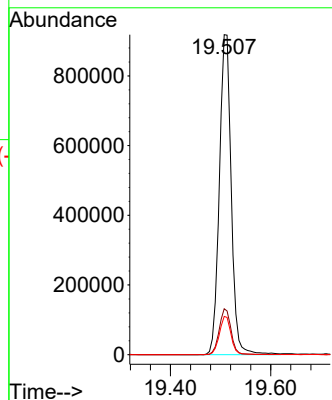
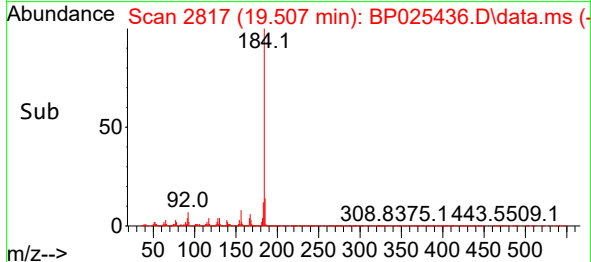
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:184 Resp: 150840
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 12.0 9.4 14.2

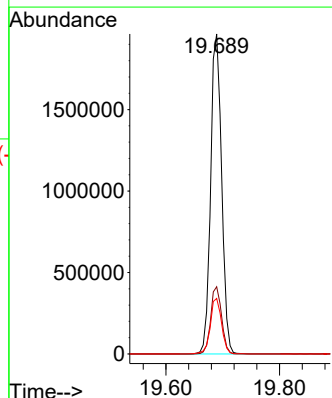
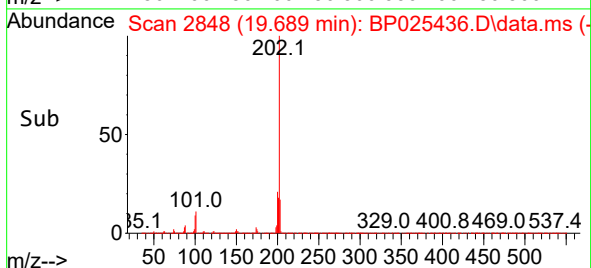
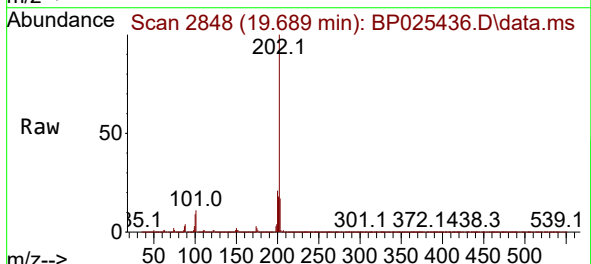
Manual Integrations
APPROVED

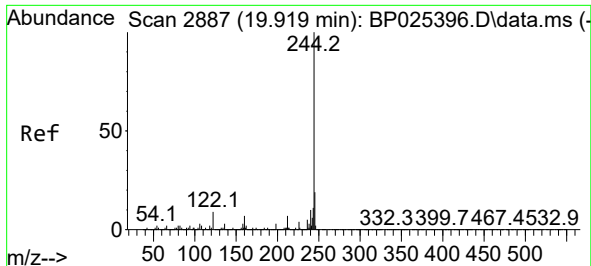
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#78
Pyrene
Concen: 43.183 ng
RT: 19.689 min Scan# 2848
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:202 Resp: 2619981
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.3 14.2 21.2





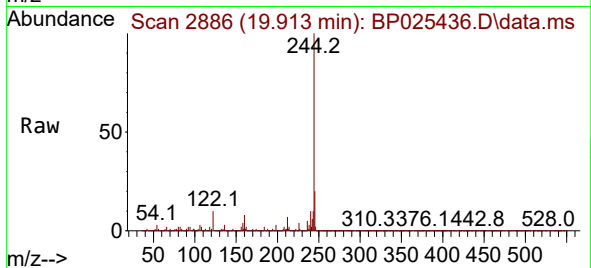
#79
 Terphenyl-d14
 Concen: 85.603 ng
 RT: 19.913 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

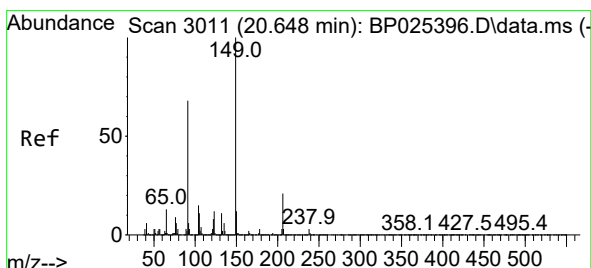
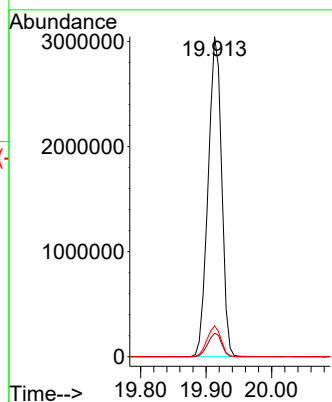
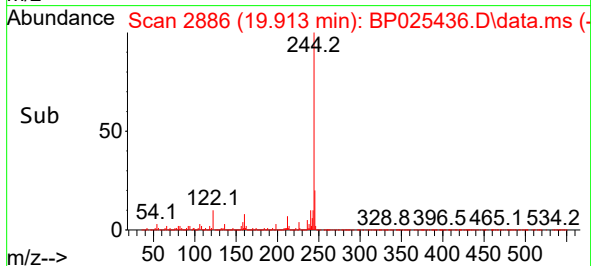


Tgt Ion:244 Resp: 4367510
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 9.6 7.4 11.2

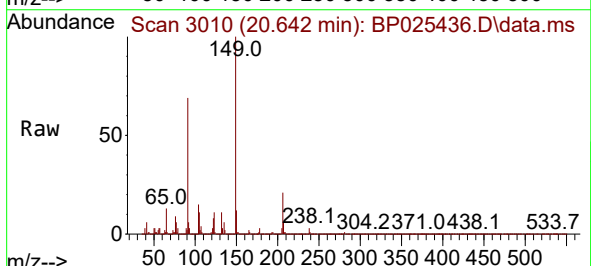
Manual Integrations
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Reviewed By :Rahul Chavli 08/18/2025

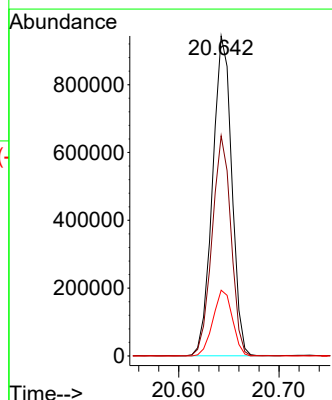
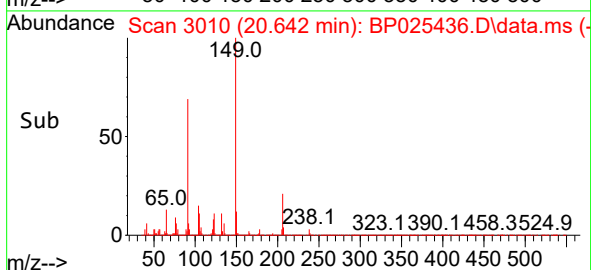
Supervised By :Jagrut Upadhyay 08/18/2025

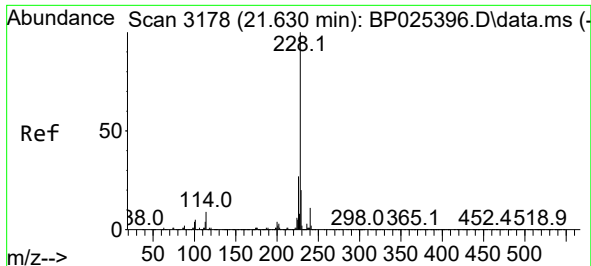


#80
 Butylbenzylphthalate
 Concen: 45.693 ng
 RT: 20.642 min Scan# 3010
 Delta R.T. -0.006 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03



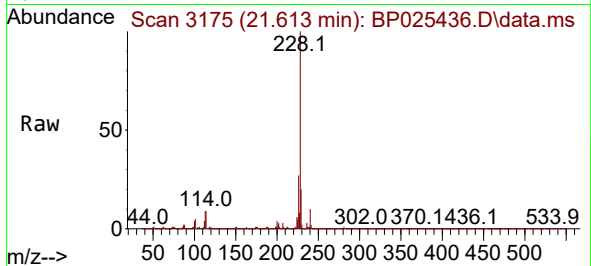
Tgt Ion:149 Resp: 1256440
 Ion Ratio Lower Upper
 149 100
 91 68.8 54.2 81.2
 206 20.6 16.6 24.8





#81
Benzo(a)anthracene
Concen: 42.665 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

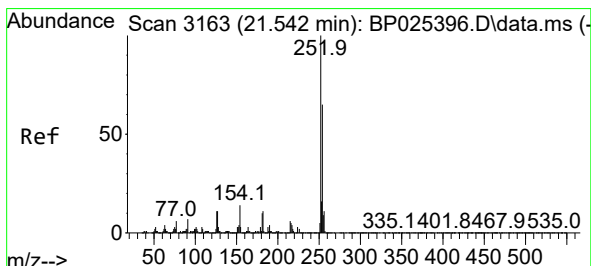
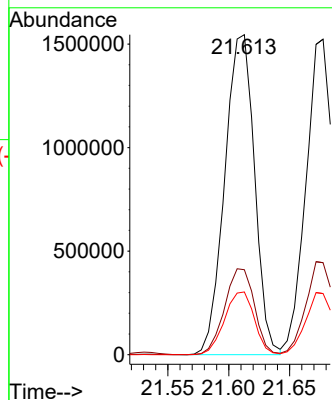
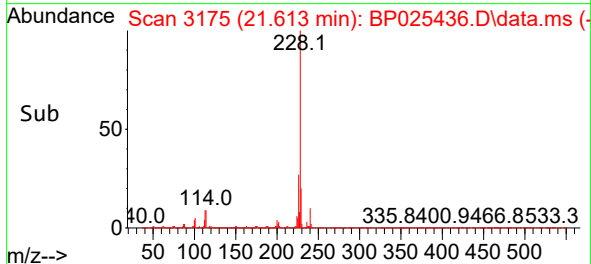
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



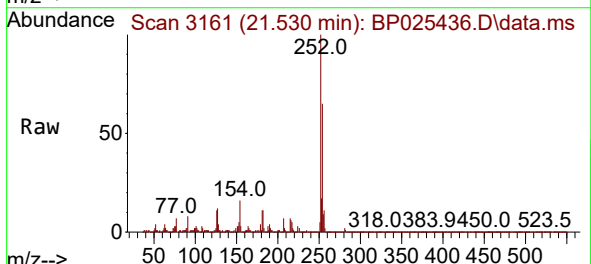
Tgt Ion:228 Resp: 2626510
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.6 15.6 23.4

Manual Integrations
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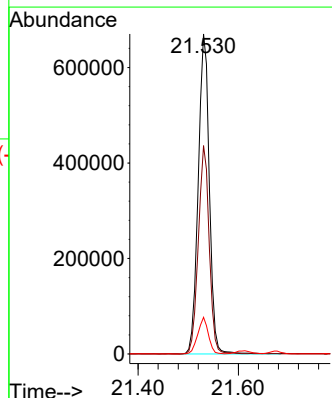
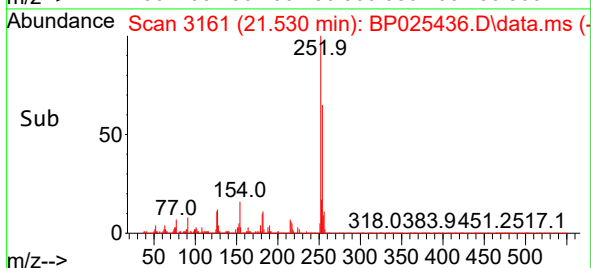
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

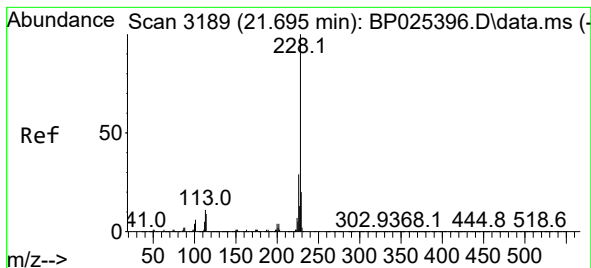


#82
3,3'-Dichlorobenzidine
Concen: 44.224 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:252 Resp: 1026166
Ion Ratio Lower Upper
252 100
254 65.1 51.8 77.6
126 11.5 9.1 13.7





#83

Chrysene

Concen: 42.767 ng

RT: 21.677 min Scan# 3189

Delta R.T. -0.017 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:228 Resp: 246563

Ion Ratio Lower Upper

228 100

226 29.1 23.2 34.8

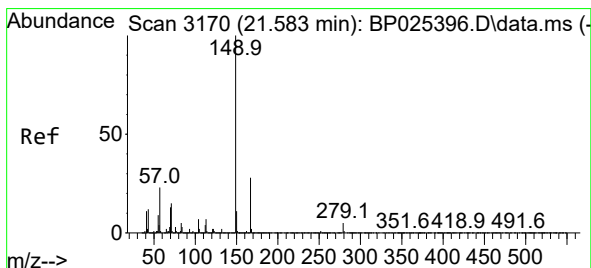
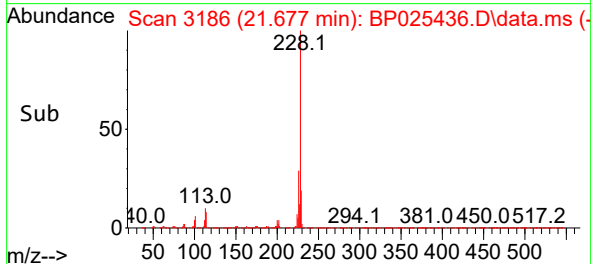
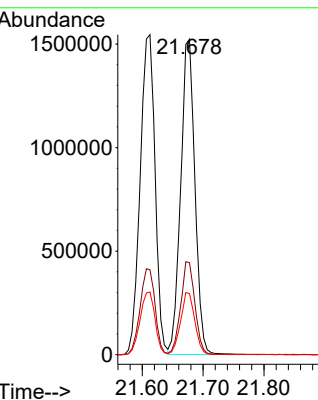
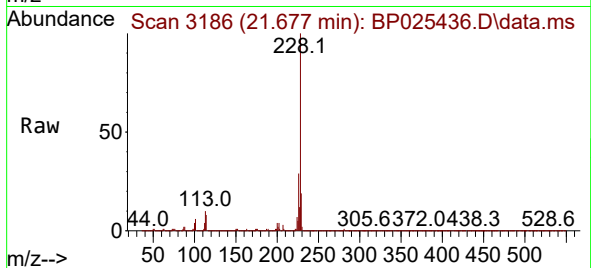
229 19.4 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.485 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.023 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

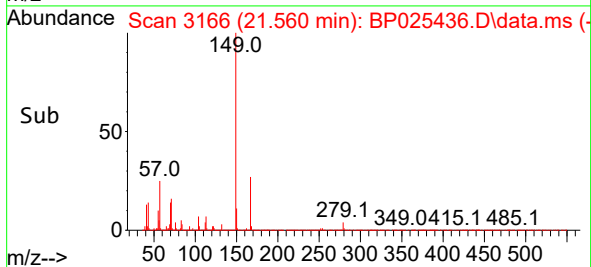
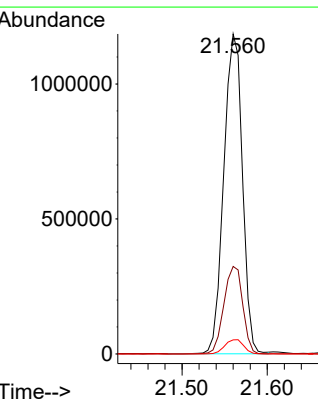
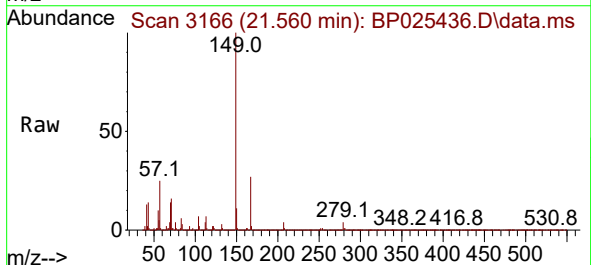
Tgt Ion:149 Resp: 1800639

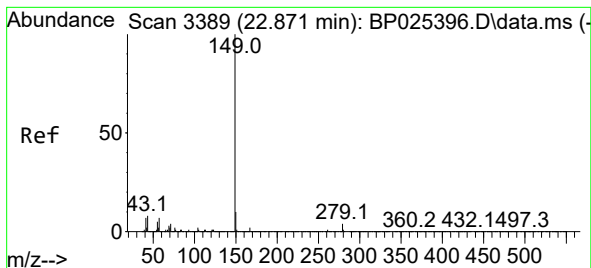
Ion Ratio Lower Upper

149 100

167 27.4 22.1 33.1

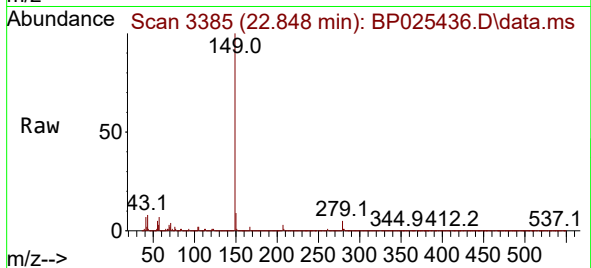
279 4.4 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 45.079 ng
RT: 22.848 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

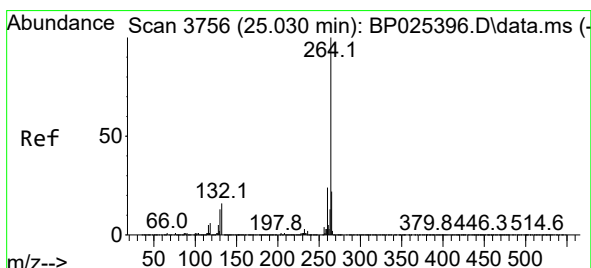
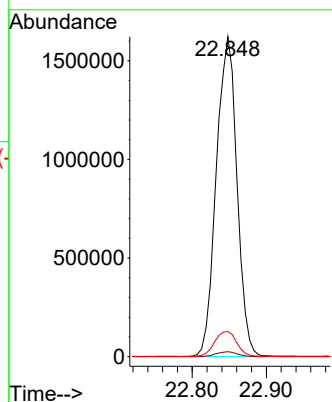
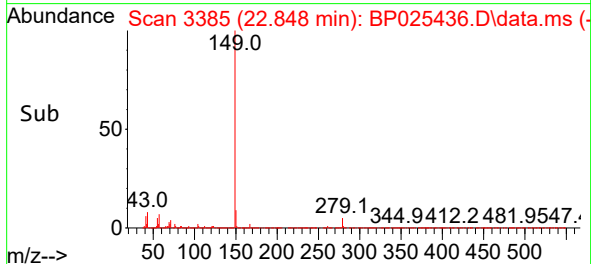
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



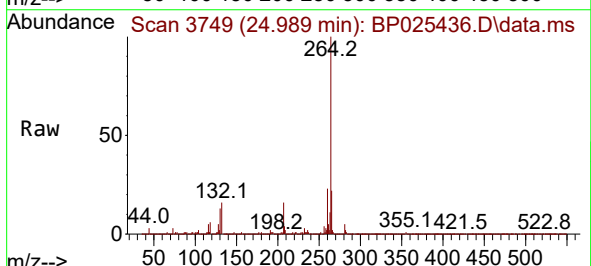
Tgt Ion:149 Resp: 3138510
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.3 6.3 9.5

Manual Integrations
APPROVED

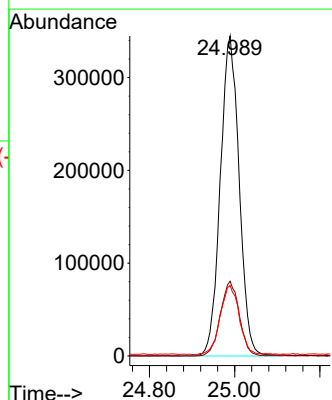
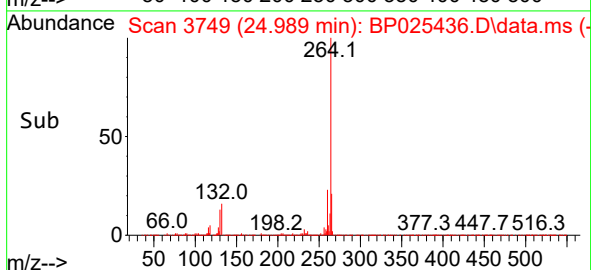
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

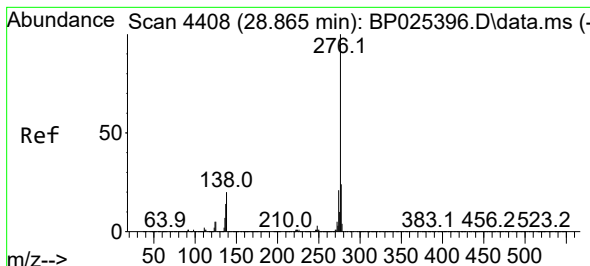


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:264 Resp: 1056853
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.530 ng

RT: 28.807 min Scan# 41

Delta R.T. -0.059 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:276 Resp: 3296270

Ion Ratio Lower Upper

276 100

138 16.0 12.9 19.3

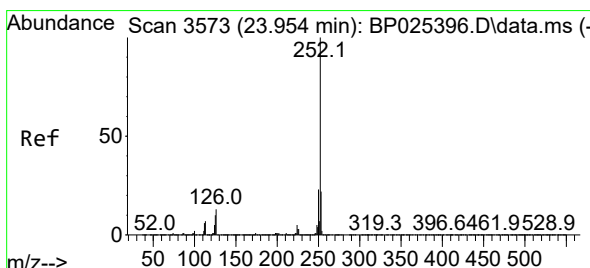
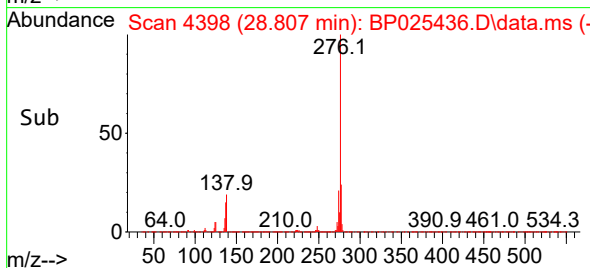
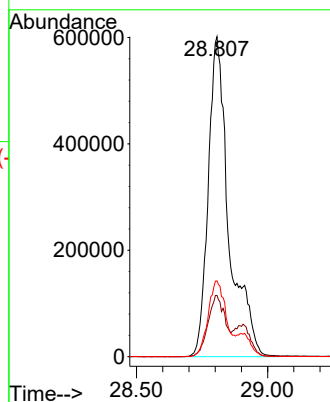
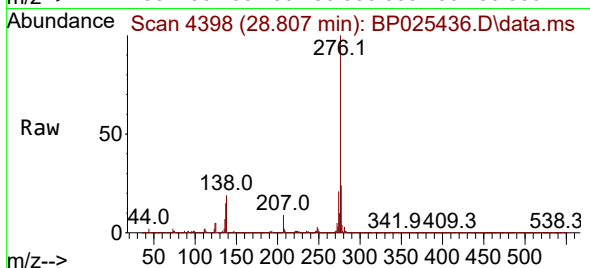
277 20.8 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#88

Benzo(b)fluoranthene

Concen: 43.518 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.023 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

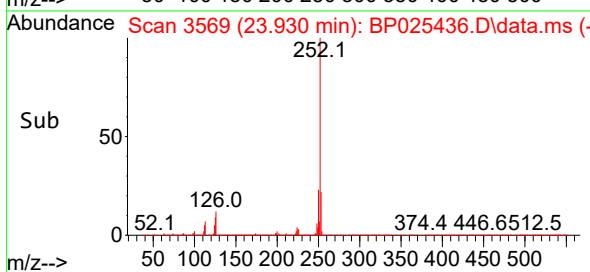
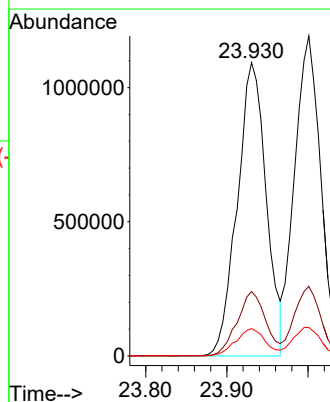
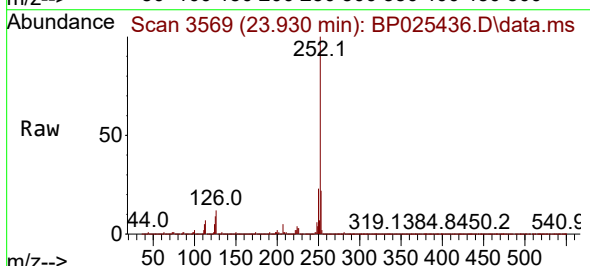
Tgt Ion:252 Resp: 2712012

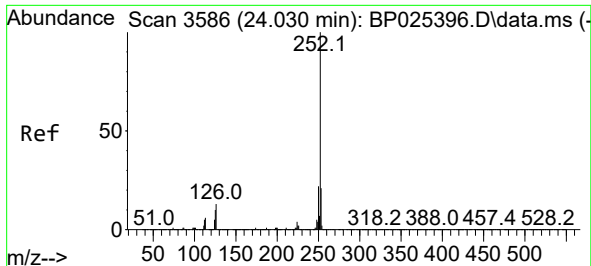
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

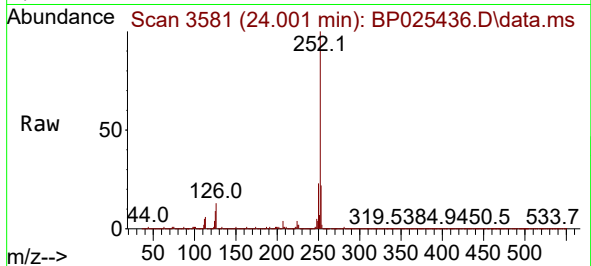
125 9.3 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 42.878 ng
RT: 24.001 min Scan# 3586
Delta R.T. -0.029 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

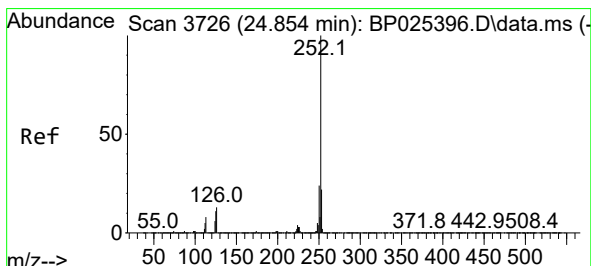
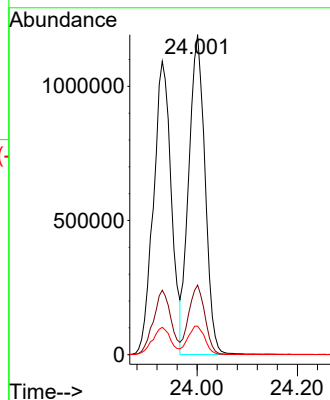
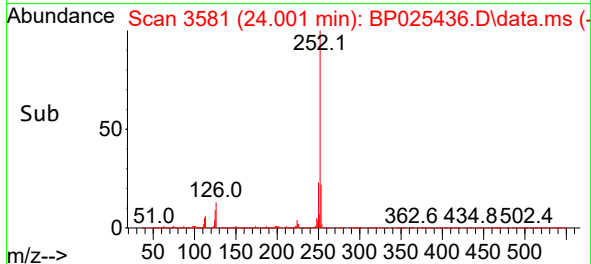
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



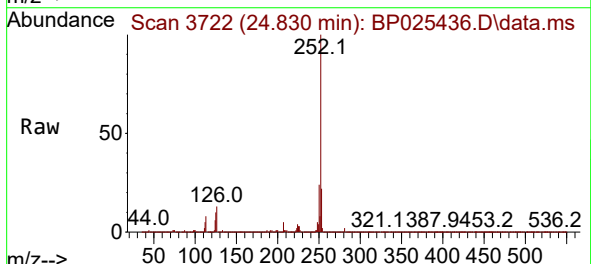
Tgt Ion:252 Resp: 267396
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 8.9 7.8 11.6

Manual Integrations
APPROVED

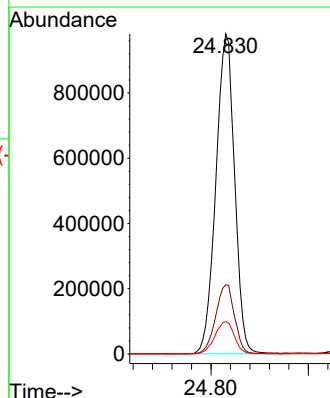
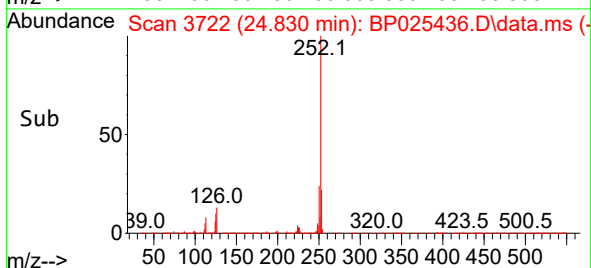
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

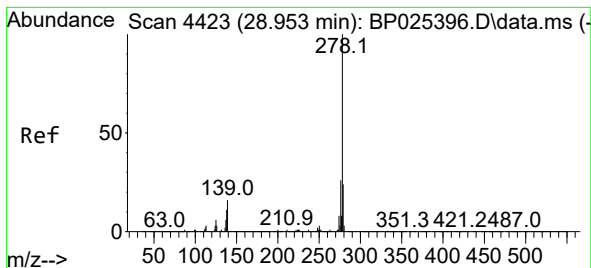


#90
Benzo(a)pyrene
Concen: 43.232 ng
RT: 24.830 min Scan# 3722
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03



Tgt Ion:252 Resp: 2622614
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.1 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 42.888 ng

RT: 28.912 min Scan# 4416

Delta R.T. -0.041 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:278 Resp: 271644

Ion Ratio Lower Upper

278 100

139 14.4 13.0 19.4

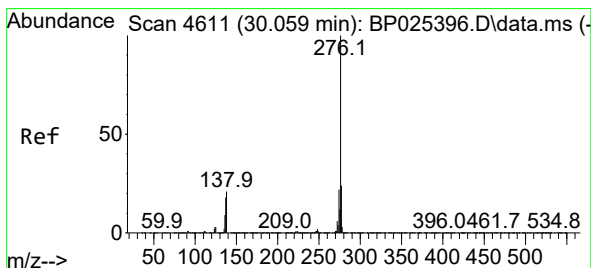
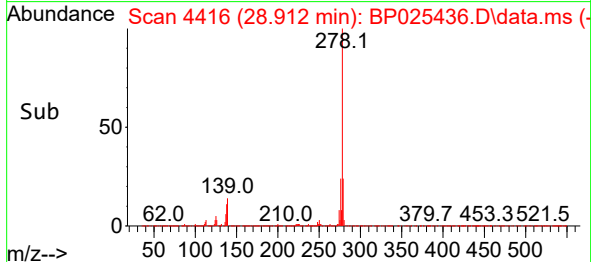
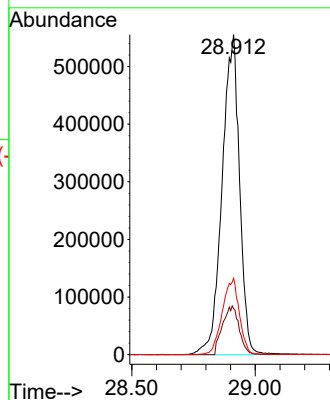
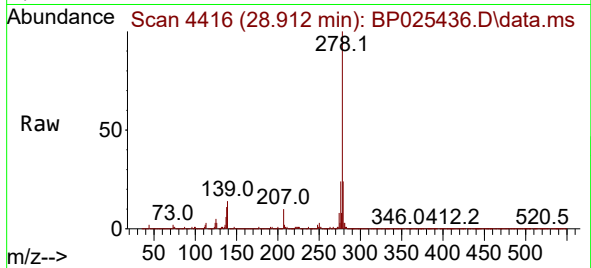
279 23.9 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#92

Benzo(g,h,i)perylene

Concen: 42.750 ng

RT: 30.006 min Scan# 4602

Delta R.T. -0.053 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

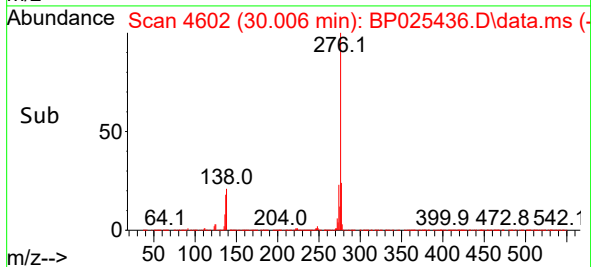
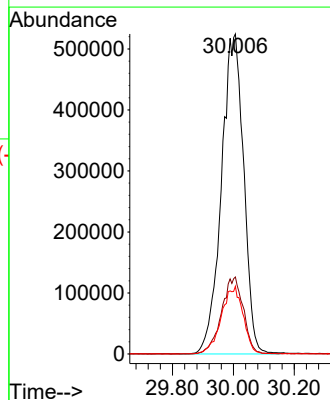
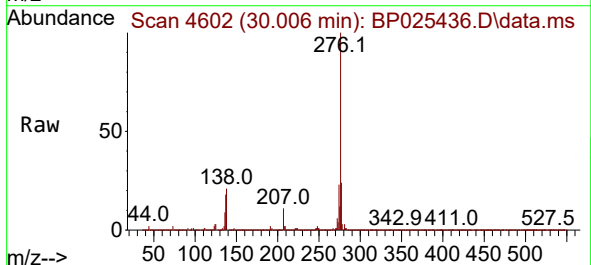
Tgt Ion:276 Resp: 2661609

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 21.2 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
2	1,4-Dioxane	0.472	0.484	-2.5	114	0.00
3	Pyridine	1.291	1.322	-2.4	114	0.00
4	n-Nitrosodimethylamine	0.532	0.604	-13.5	124	0.00
5 S	2-Fluorophenol	1.204	1.297	-7.7	118	0.00
6	Aniline	2.080	2.280	-9.6	119	0.00
7 S	Phenol-d6	1.544	1.709	-10.7	119	0.00
8	2-Chlorophenol	1.359	1.491	-9.7	120	0.00
9	Benzaldehyde	1.082	1.315	-21.5	101	0.00
10 C	Phenol	1.620	1.777	-9.7	119	0.00
11	bis(2-Chloroethyl)ether	1.263	1.365	-8.1	118	0.00
12	1,3-Dichlorobenzene	1.499	1.634	-9.0	119	0.00
13 C	1,4-Dichlorobenzene	1.532	1.645	-7.4	118	0.00
14	1,2-Dichlorobenzene	1.483	1.596	-7.6	118	0.00
15	Benzyl Alcohol	1.227	1.369	-11.6	121	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.910	-12.9	124	0.00
17	2-Methylphenol	1.125	1.247	-10.8	119	0.00
18	Hexachloroethane	0.563	0.621	-10.3	120	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	1.110	-8.5	118	0.00
20	3+4-Methylphenols	1.560	1.699	-8.9	117	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22	Acetophenone	0.502	0.537	-7.0	118	0.00
23 S	Nitrobenzene-d5	0.395	0.431	-9.1	121	0.00
24	Nitrobenzene	0.353	0.388	-9.9	121	0.00
25	Isophorone	0.700	0.727	-3.9	116	0.00
26 C	2-Nitrophenol	0.181	0.199	-9.9	118	0.00
27	2,4-Dimethylphenol	0.312	0.339	-8.7	118	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.448	-5.9	118	0.00
29 C	2,4-Dichlorophenol	0.310	0.343	-10.6	120	0.00
30	1,2,4-Trichlorobenzene	0.340	0.363	-6.8	119	0.00
31	Naphthalene	1.040	1.097	-5.5	117	0.00
32	Benzoic acid	0.230	0.244	-6.1	115	0.00
33	4-Chloroaniline	0.459	0.488	-6.3	116	0.00
34 C	Hexachlorobutadiene	0.211	0.230	-9.0	120	0.00
35	Caprolactam	0.114	0.118	-3.5	116	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.379	-6.8	117	0.00
37	2-Methylnaphthalene	0.676	0.710	-5.0	117	-0.01
38	1-Methylnaphthalene	0.719	0.744	-3.5	116	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.633	-9.5	117	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.323	7.4	96	0.00
42 S	2,4,6-Tribromophenol	0.269	0.298	-10.8	117	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.436	-11.8	118	0.00
44	2,4,5-Trichlorophenol	0.427	0.482	-12.9	118	0.00
45 S	2-Fluorobiphenyl	1.463	1.527	-4.4	114	0.00
46	1,1'-Biphenyl	1.453	1.590	-9.4	117	0.00
47	2-Chloronaphthalene	1.131	1.227	-8.5	115	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.382	-16.1	120	0.00
49	Acenaphthylene	1.871	2.004	-7.1	115	0.00
50	Dimethylphthalate	1.465	1.593	-8.7	118	-0.01
51	2,6-Dinitrotoluene	0.309	0.349	-12.9	117	0.00
52 C	Acenaphthene	1.098	1.169	-6.5	116	0.00
53	3-Nitroaniline	0.347	0.390	-12.4	118	0.00
54 P	2,4-Dinitrophenol	0.165	0.134	18.8	85	0.00
55	Dibenzofuran	1.736	1.849	-6.5	114	0.00
56 P	4-Nitrophenol	0.285	0.324	-13.7	120	0.00
57	2,4-Dinitrotoluene	0.440	0.498	-13.2	118	0.00
58	Fluorene	1.370	1.410	-2.9	112	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.417	-10.6	117	0.00
60	Diethylphthalate	1.488	1.607	-8.0	116	0.00
61	4-Chlorophenyl-phenylether	0.681	0.703	-3.2	112	0.00
62	4-Nitroaniline	0.356	0.384	-7.9	113	0.00
63	Azobenzene	1.274	1.420	-11.5	119	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.110	12.0	93	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.659	-8.0	116	0.00
67	4-Bromophenyl-phenylether	0.220	0.242	-10.0	118	0.00
68	Hexachlorobenzene	0.255	0.272	-6.7	116	0.00
69	Atrazine	0.228	0.250	-9.6	119	0.00
70 C	Pentachlorophenol	0.161	0.178	-10.6	117	0.00
71	Phenanthrene	1.099	1.162	-5.7	116	0.00
72	Anthracene	1.122	1.203	-7.2	116	0.00
73	Carbazole	1.057	1.128	-6.7	116	0.00
74	Di-n-butylphthalate	1.300	1.420	-9.2	118	0.00
75 C	Fluoranthene	1.311	1.374	-4.8	116	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	104	-0.02
77	Benzydine	0.683	0.808	-18.3	87	0.00
78	Pyrene	1.300	1.403	-7.9	114	-0.01
79 S	Terphenyl-d14	1.093	1.170	-7.0	116	0.00
80	Butylbenzylphthalate	0.589	0.673	-14.3	121	0.00
81	Benzo(a)anthracene	1.319	1.407	-6.7	115	-0.02
82	3,3'-Dichlorobenzidine	0.497	0.550	-10.7	117	-0.01
83	Chrysene	1.235	1.321	-7.0	116	-0.02
84	Bis(2-ethylhexyl)phthalate	0.867	0.965	-11.3	121	-0.02
85 c	Di-n-octyl phthalate	1.492	1.681	-12.7	121	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	103	-0.04
87	Indeno(1,2,3-cd)pyrene	1.467	1.559	-6.3	114	-0.06
88	Benzo(b)fluoranthene	1.179	1.283	-8.8	117	-0.02
89	Benzo(k)fluoranthene	1.180	1.265	-7.2	116	-0.03
90 C	Benzo(a)pyrene	1.148	1.241	-8.1	116	-0.02
91	Dibenzo(a,h)anthracene	1.199	1.285	-7.2	115	-0.04
92	Benzo(g,h,i)perylene	1.178	1.259	-6.9	114	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
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Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	105	0.00
2	1,4-Dioxane	40.000	41.000	-2.5	114	0.00
3	Pyridine	40.000	40.960	-2.4	114	0.00
4	n-Nitrosodimethylamine	40.000	45.373	-13.4	124	0.00
5 S	2-Fluorophenol	80.000	86.186	-7.7	118	0.00
6	Aniline	40.000	43.843	-9.6	119	0.00
7 S	Phenol-d6	80.000	88.568	-10.7	119	0.00
8	2-Chlorophenol	40.000	43.878	-9.7	120	0.00
9	Benzaldehyde	40.000	48.635	-21.6	101	0.00
10 C	Phenol	40.000	43.862	-9.7	119	0.00
11	bis(2-Chloroethyl)ether	40.000	43.239	-8.1	118	0.00
12	1,3-Dichlorobenzene	40.000	43.622	-9.1	119	0.00
13 C	1,4-Dichlorobenzene	40.000	42.950	-7.4	118	0.00
14	1,2-Dichlorobenzene	40.000	43.069	-7.7	118	0.00
15	Benzyl Alcohol	40.000	44.621	-11.6	121	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	45.158	-12.9	124	0.00
17	2-Methylphenol	40.000	44.345	-10.9	119	0.00
18	Hexachloroethane	40.000	44.074	-10.2	120	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	43.396	-8.5	118	0.00
20	3+4-Methylphenols	40.000	43.573	-8.9	117	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22	Acetophenone	40.000	42.809	-7.0	118	0.00
23 S	Nitrobenzene-d5	80.000	87.195	-9.0	121	0.00
24	Nitrobenzene	40.000	43.917	-9.8	121	0.00
25	Isophorone	40.000	41.573	-3.9	116	0.00
26 C	2-Nitrophenol	40.000	43.982	-10.0	118	0.00
27	2,4-Dimethylphenol	40.000	43.443	-8.6	118	0.00
28	bis(2-Chloroethoxy)methane	40.000	42.398	-6.0	118	0.00
29 C	2,4-Dichlorophenol	40.000	44.245	-10.6	120	0.00
30	1,2,4-Trichlorobenzene	40.000	42.762	-6.9	119	0.00
31	Naphthalene	40.000	42.217	-5.5	117	0.00
32	Benzoic acid	40.000	42.339	-5.8	115	0.00
33	4-Chloroaniline	40.000	42.532	-6.3	116	0.00
34 C	Hexachlorobutadiene	40.000	43.456	-8.6	120	0.00
35	Caprolactam	40.000	41.554	-3.9	116	0.00
36 C	4-Chloro-3-methylphenol	40.000	42.698	-6.7	117	0.00
37	2-Methylnaphthalene	40.000	41.968	-4.9	117	-0.01
38	1-Methylnaphthalene	40.000	41.373	-3.4	116	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	104	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	43.807	-9.5	117	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.087	7.3	96	0.00
42 S	2,4,6-Tribromophenol	80.000	88.488	-10.6	117	0.00
43 C	2,4,6-Trichlorophenol	40.000	44.759	-11.9	118	0.00
44	2,4,5-Trichlorophenol	40.000	45.101	-12.8	118	0.00
45 S	2-Fluorobiphenyl	80.000	83.499	-4.4	114	0.00
46	1,1'-Biphenyl	40.000	43.790	-9.5	117	0.00
47	2-Chloronaphthalene	40.000	43.406	-8.5	115	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	46.337	-15.8	120	0.00
49	Acenaphthylene	40.000	42.840	-7.1	115	0.00
50	Dimethylphthalate	40.000	43.502	-8.8	118	-0.01
51	2,6-Dinitrotoluene	40.000	45.175	-12.9	117	0.00
52 C	Acenaphthene	40.000	42.589	-6.5	116	0.00
53	3-Nitroaniline	40.000	44.932	-12.3	118	0.00
54 P	2,4-Dinitrophenol	40.000	32.634	18.4	85	0.00
55	Dibenzofuran	40.000	42.593	-6.5	114	0.00
56 P	4-Nitrophenol	40.000	45.358	-13.4	120	0.00
57	2,4-Dinitrotoluene	40.000	45.189	-13.0	118	0.00
58	Fluorene	40.000	41.160	-2.9	112	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	44.201	-10.5	117	0.00
60	Diethylphthalate	40.000	43.195	-8.0	116	0.00
61	4-Chlorophenyl-phenylether	40.000	41.240	-3.1	112	0.00
62	4-Nitroaniline	40.000	43.130	-7.8	113	0.00
63	Azobenzene	40.000	44.580	-11.4	119	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65	4,6-Dinitro-2-methylphenol	40.000	35.341	11.6	93	0.00
66 c	n-Nitrosodiphenylamine	40.000	43.243	-8.1	116	0.00
67	4-Bromophenyl-phenylether	40.000	43.928	-9.8	118	0.00
68	Hexachlorobenzene	40.000	42.691	-6.7	116	0.00
69	Atrazine	40.000	43.775	-9.4	119	0.00
70 C	Pentachlorophenol	40.000	44.342	-10.9	117	0.00
71	Phenanthrene	40.000	42.302	-5.8	116	0.00
72	Anthracene	40.000	42.872	-7.2	116	0.00
73	Carbazole	40.000	42.695	-6.7	116	0.00
74	Di-n-butylphthalate	40.000	43.693	-9.2	118	0.00
75 C	Fluoranthene	40.000	41.933	-4.8	116	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	104	-0.02
77	Benzydine	40.000	47.349	-18.4	87	0.00
78	Pyrene	40.000	43.183	-8.0	114	-0.01
79 S	Terphenyl-d14	80.000	85.603	-7.0	116	0.00
80	Butylbenzylphthalate	40.000	45.693	-14.2	121	0.00
81	Benzo(a)anthracene	40.000	42.665	-6.7	115	-0.02
82	3,3'-Dichlorobenzidine	40.000	44.224	-10.6	117	-0.01
83	Chrysene	40.000	42.767	-6.9	116	-0.02
84	Bis(2-ethylhexyl)phthalate	40.000	44.485	-11.2	121	-0.02
85 c	Di-n-octyl phthalate	40.000	45.079	-12.7	121	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	103	-0.04
87	Indeno(1,2,3-cd)pyrene	40.000	42.530	-6.3	114	-0.06
88	Benzo(b)fluoranthene	40.000	43.518	-8.8	117	-0.02
89	Benzo(k)fluoranthene	40.000	42.878	-7.2	116	-0.03
90 C	Benzo(a)pyrene	40.000	43.232	-8.1	116	-0.02
91	Dibenzo(a,h)anthracene	40.000	42.888	-7.2	115	-0.04
92	Benzo(g,h,i)perylene	40.000	42.750	-6.9	114	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/19/2025 10:44</u>
Lab File ID:	<u>BP025470.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.229		2.1	
Benzaldehyde	1.082	1.245		15.1	
Phenol-d6	1.544	1.586		2.7	
Phenol	1.620	1.652		2.0	20.0
bis(2-Chloroethyl)ether	1.263	1.272		0.7	
2-Chlorophenol	1.359	1.372		1.0	
2-Methylphenol	1.125	1.138		1.2	
2,2-oxybis(1-Chloropropane)	1.692	1.725		2.0	
Acetophenone	0.502	0.503		0.2	
3+4-Methylphenols	1.560	1.563		0.2	
n-Nitroso-di-n-propylamine	1.023	1.012	0.050	-1.1	
Nitrobenzene-d5	0.395	0.403		2.0	
Hexachloroethane	0.563	0.574		2.0	
Nitrobenzene	0.353	0.357		1.1	
Isophorone	0.700	0.713		1.9	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.320		2.6	
bis(2-Chloroethoxy)methane	0.423	0.424		0.2	
2,4-Dichlorophenol	0.310	0.314		1.3	20.0
Naphthalene	1.040	1.035		-0.5	
4-Chloroaniline	0.459	0.464		1.1	
Hexachlorobutadiene	0.211	0.208		-1.4	20.0
Caprolactam	0.114	0.118		3.5	
4-Chloro-3-methylphenol	0.355	0.364		2.5	20.0
2-Methylnaphthalene	0.676	0.673		-0.4	
Hexachlorocyclopentadiene	0.349	0.454	0.050	30.1	
2,4,6-Trichlorophenol	0.390	0.400		2.6	20.0
2-Fluorobiphenyl	1.463	1.448		-1.0	
2,4,5-Trichlorophenol	0.427	0.434		1.6	
1,1-Biphenyl	1.453	1.453		0.0	
2-Chloronaphthalene	1.131	1.118		-1.1	
2-Nitroaniline	0.329	0.351		6.7	
Dimethylphthalate	1.465	1.480		1.0	
Acenaphthylene	1.871	1.886		0.8	
2,6-Dinitrotoluene	0.309	0.320		3.6	
3-Nitroaniline	0.347	0.361		4.0	
Acenaphthene	1.098	1.094		-0.4	20.0
2,4-Dinitrophenol	0.165	0.576	0.050	249.1	
4-Nitrophenol	0.285	0.292	0.050	2.5	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_P Calibration Date/Time: 08/19/2025 10:44
 Lab File ID: BP025470.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.727		-0.5	
2,4-Dinitrotoluene	0.440	0.468		6.4	
Diethylphthalate	1.488	1.487		-0.1	
4-Chlorophenyl-phenylether	0.681	0.674		-1.0	
Fluorene	1.370	1.359		-0.8	
4-Nitroaniline	0.356	0.372		4.5	
4,6-Dinitro-2-methylphenol	0.125	0.255		104.0	
n-Nitrosodiphenylamine	0.610	0.608		-0.3	20.0
2,4,6-Tribromophenol	0.269	0.273		1.5	
4-Bromophenyl-phenylether	0.220	0.217		-1.4	
Hexachlorobenzene	0.255	0.257		0.8	
Atrazine	0.228	0.230		0.9	
Pentachlorophenol	0.161	0.159		-1.2	20.0
Phenanthrene	1.099	1.095		-0.4	
Anthracene	1.122	1.122		0.0	
Carbazole	1.057	1.050		-0.7	
Di-n-butylphthalate	1.300	1.345		3.5	
Fluoranthene	1.311	1.291		-1.5	20.0
Pyrene	1.300	1.342		3.2	
Terphenyl-d14	1.093	1.093		0.0	
Butylbenzylphthalate	0.589	0.616		4.6	
3,3-Dichlorobenzidine	0.497	0.500		0.6	
Benzo (a) anthracene	1.319	1.307		-0.9	
Chrysene	1.235	1.256		1.7	
Bis (2-ethylhexyl) phthalate	0.867	0.907		4.6	
Di-n-octyl phthalate	1.492	1.558		4.4	20.0
Benzo (b) fluoranthene	1.179	1.193		1.2	
Benzo (k) fluoranthene	1.180	1.153		-2.3	
Benzo (a) pyrene	1.148	1.136		-1.0	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.450		-1.2	
Dibenzo (a,h) anthracene	1.199	1.189		-0.8	
Benzo (g,h,i) perylene	1.178	1.151		-2.3	
1,2,4,5-Tetrachlorobenzene	0.578	0.569		-1.6	
1,4-Dioxane	0.472	0.475		0.6	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.376		-0.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025470.D
 Acq On : 19 Aug 2025 10:44
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	152340	20.000	ng	-0.01
21) Naphthalene-d8	10.560	136	634765	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	424501	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	850052	20.000	ng	# 0.00
76) Chrysene-d12	21.654	240	848020	20.000	ng	0.00
86) Perylene-d12	25.018	264	967213	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	749096	81.661	ng	0.00
7) Phenol-d6	6.966	99	966571	82.185	ng	0.00
23) Nitrobenzene-d5	8.931	82	1024289	81.627	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	464282	81.256	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2459410	79.181	ng	0.00
79) Terphenyl-d14	19.919	244	3707367	79.985	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	144857	40.315	ng	99
3) Pyridine	3.731	79	395262	40.190	ng	99
4) n-Nitrosodimethylamine	3.631	42	173283	42.738	ng	98
6) Aniline	7.119	93	635215	40.087	ng	99
8) 2-Chlorophenol	7.360	128	418000	40.380	ng	99
9) Benzaldehyde	6.937	77	379395	46.044	ng	98
10) Phenol	6.996	94	503304	40.784	ng	99
11) bis(2-Chloroethyl)ether	7.213	93	387587	40.295	ng	100
12) 1,3-Dichlorobenzene	7.684	146	457432	40.075	ng	99
13) 1,4-Dichlorobenzene	7.819	146	470304	40.312	ng	100
14) 1,2-Dichlorobenzene	8.137	146	450046	39.850	ng	99
15) Benzyl Alcohol	8.019	79	373613	39.981	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	525543	40.786	ng	99
17) 2-Methylphenol	8.225	107	346865	40.470	ng	98
18) Hexachloroethane	8.860	117	174831	40.757	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	308279	39.573	ng	98
20) 3+4-Methylphenols	8.549	107	476179	40.080	ng	97
22) Acetophenone	8.596	105	638557	40.114	ng	99
24) Nitrobenzene	8.972	77	453746	40.460	ng	97
25) Isophorone	9.496	82	905645	40.781	ng	100
26) 2-Nitrophenol	9.672	139	236646	41.117	ng	97
27) 2,4-Dimethylphenol	9.737	122	405811	41.001	ng	99
28) bis(2-Chloroethoxy)met...	9.966	93	537984	40.077	ng	97
29) 2,4-Dichlorophenol	10.207	162	398311	40.511	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	424899	39.422	ng	97
31) Naphthalene	10.607	128	1313518	39.813	ng	99
32) Benzoic acid	9.901	122	503342	68.883	ng	98
33) 4-Chloroaniline	10.713	127	589602	40.457	ng	98
34) Hexachlorobutadiene	10.896	225	263743	39.292	ng	99
35) Caprolactam	11.495	113	149696	41.521	ng	96
36) 4-Chloro-3-methylphenol	11.837	107	462001	40.950	ng	97
37) 2-Methylnaphthalene	12.219	142	855020	39.823	ng	99
38) 1-Methylnaphthalene	12.431	142	906013	39.680	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	482945	39.392	ng	99
41) Hexachlorocyclopentadiene	12.572	237	385397	52.042	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	339499	41.018	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025470.D
 Acq On : 19 Aug 2025 10:44
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

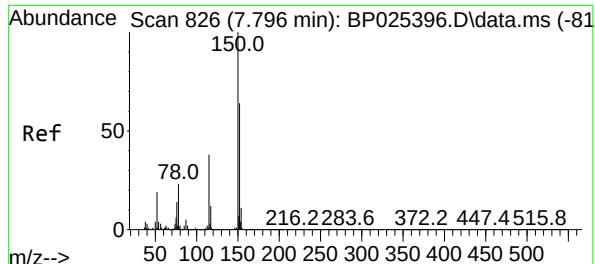
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	368261	40.597	ng	99
46) 1,1'-Biphenyl	13.225	154	1233177	40.000	ng	99
47) 2-Chloronaphthalene	13.272	162	949372	39.556	ng	98
48) 2-Nitroaniline	13.466	65	297776	42.581	ng	97
49) Acenaphthylene	14.119	152	1601364	40.322	ng	99
50) Dimethylphthalate	13.854	163	1256809	40.430	ng	99
51) 2,6-Dinitrotoluene	13.966	165	271520	41.441	ng	99
52) Acenaphthene	14.460	154	928473	39.829	ng	98
53) 3-Nitroaniline	14.295	138	306476	41.575	ng	96
54) 2,4-Dinitrophenol	14.513	184	489247	139.827	ng	99
55) Dibenzofuran	14.801	168	1466415	39.788	ng	99
56) 4-Nitrophenol	14.619	139	247845	40.915	ng	99
57) 2,4-Dinitrotoluene	14.760	165	397449	42.517	ng	99
58) Fluorene	15.460	166	1153488	39.664	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	319534	39.893	ng	99
60) Diethylphthalate	15.236	149	1262633	39.974	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	571831	39.536	ng	99
62) 4-Nitroaniline	15.472	138	315690	41.774	ng	99
63) Azobenzene	15.754	77	1133555	41.912	ng	99
65) 4,6-Dinitro-2-methylph...	15.536	198	432956	81.708	ng	97
66) n-Nitrosodiphenylamine	15.672	169	1033192	39.858	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	368889	39.458	ng	97
68) Hexachlorobenzene	16.489	284	436215	40.251	ng	97
69) Atrazine	16.648	200	391199	40.298	ng	98
70) Pentachlorophenol	16.836	266	270563	39.549	ng	95
71) Phenanthrene	17.242	178	1862283	39.881	ng	99
72) Anthracene	17.336	178	1907331	39.998	ng	100
73) Carbazole	17.613	167	1784377	39.727	ng	99
74) Di-n-butylphthalate	18.213	149	2286022	41.367	ng	99
75) Fluoranthene	19.330	202	2194437	39.397	ng	99
77) Benzidine	19.519	184	1306974	45.160	ng	100
78) Pyrene	19.701	202	2276181	41.296	ng	100
80) Butylbenzylphthalate	20.660	149	1044362	41.807	ng	98
81) Benzo(a)anthracene	21.636	228	2217188	39.644	ng	99
82) 3,3'-Dichlorobenzidine	21.542	252	848549	40.253	ng	100
83) Chrysene	21.701	228	2130864	40.684	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	1538326	41.834	ng	99
85) Di-n-octyl phthalate	22.854	149	2642675	41.781	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	2804996	39.545	ng	94
88) Benzo(b)fluoranthene	23.942	252	2308389	40.474	ng	99
89) Benzo(k)fluoranthene	24.018	252	2229990	39.073	ng	99
90) Benzo(a)pyrene	24.859	252	2197471	39.581	ng	99
91) Dibenzo(a,h)anthracene	28.936	278	2299829	39.676	ng	99
92) Benzo(g,h,i)perylene	30.030	276	2226412	39.074	ng	99

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

- 1
- 2
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- 11**
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- 17
- 18

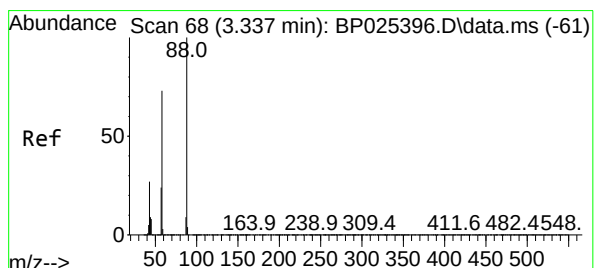
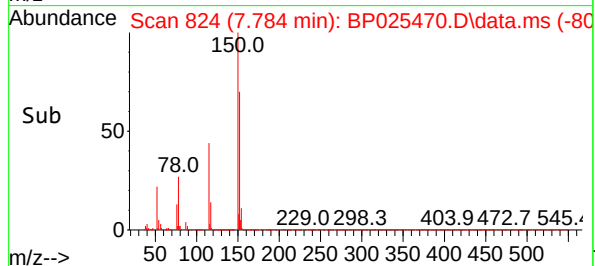
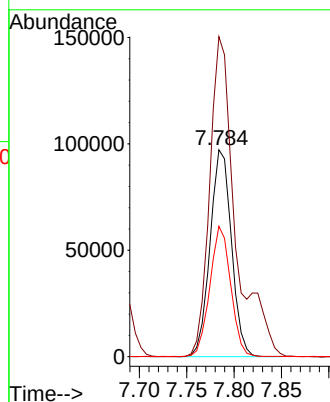
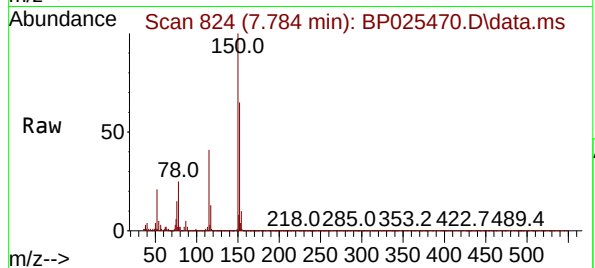




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.784 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BP025470.D
 Acq: 19 Aug 2025 10:44

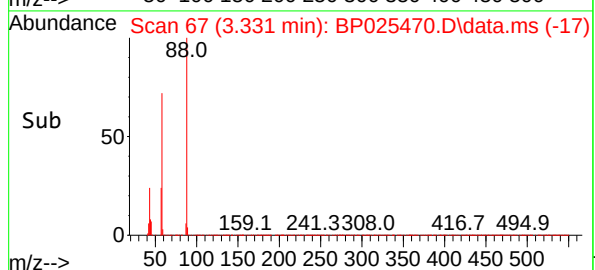
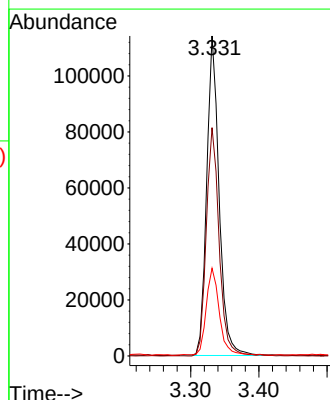
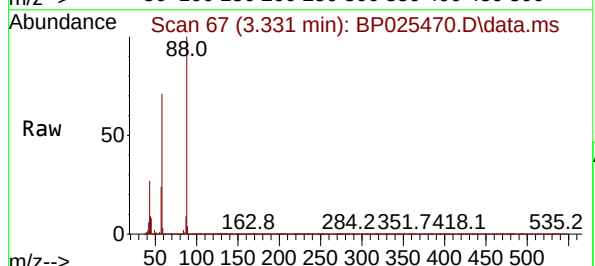
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

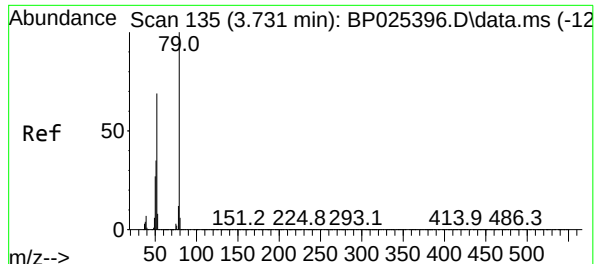
Tgt Ion:152 Resp: 152340
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.9 188.9
 115 63.1 48.5 72.7



#2
 1,4-Dioxane
 Concen: 40.315 ng
 RT: 3.331 min Scan# 67
 Delta R.T. -0.006 min
 Lab File: BP025470.D
 Acq: 19 Aug 2025 10:44

Tgt Ion: 88 Resp: 144857
 Ion Ratio Lower Upper
 88 100
 58 73.9 59.2 88.8
 43 28.6 21.7 32.5





#3

Pyridine

Concen: 40.190 ng

RT: 3.731 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

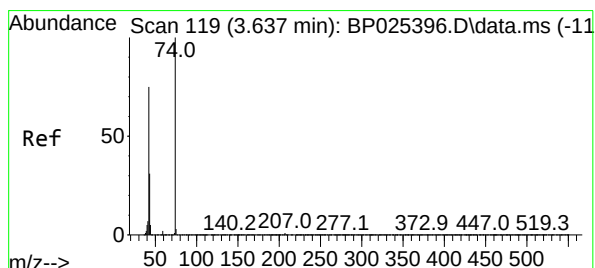
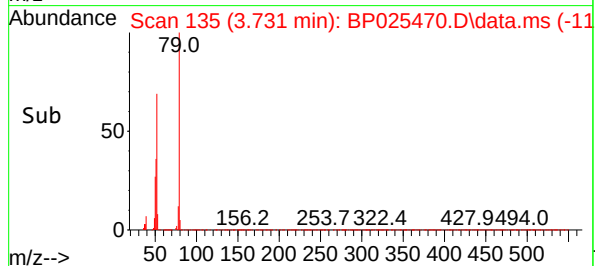
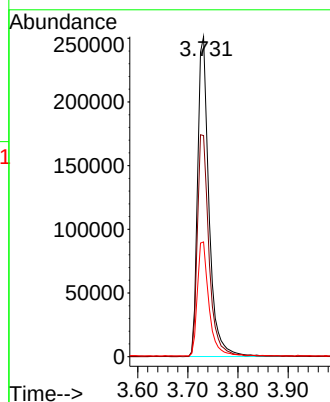
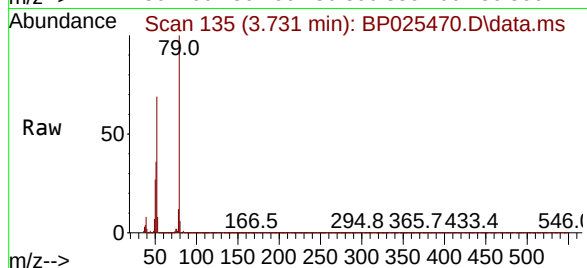
BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 395262

Ion	Ratio	Lower	Upper
79	100		
52	69.1	55.5	83.3
51	35.9	28.3	42.5



#4

n-Nitrosodimethylamine

Concen: 42.738 ng

RT: 3.631 min Scan# 118

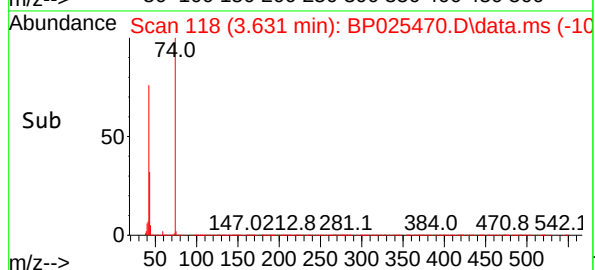
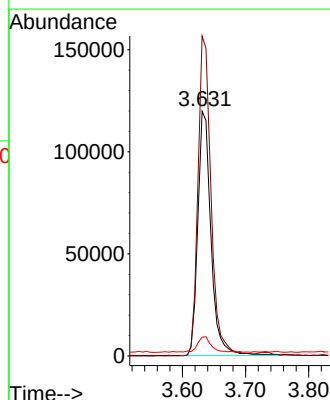
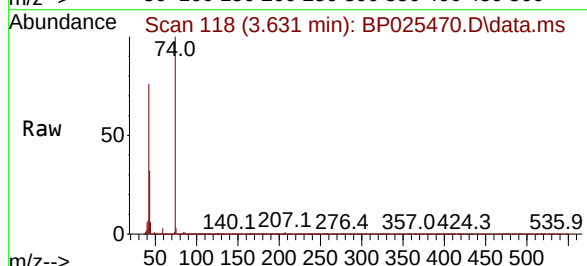
Delta R.T. -0.006 min

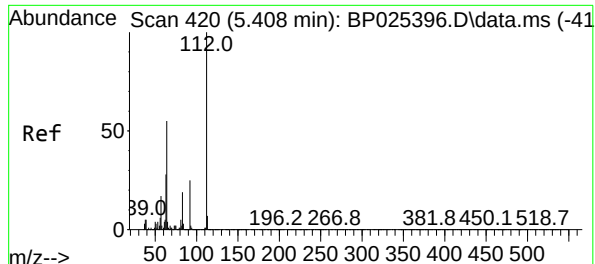
Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Tgt Ion: 42 Resp: 173283

Ion	Ratio	Lower	Upper
42	100		
74	130.7	107.0	160.4
44	7.7	6.2	9.4





#5

2-Fluorophenol

Concen: 81.661 ng

RT: 5.408 min Scan# 41

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

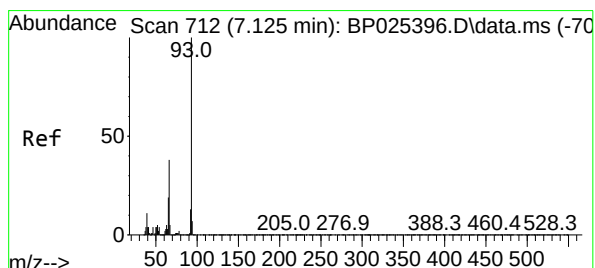
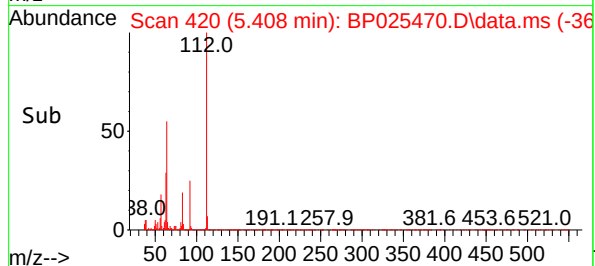
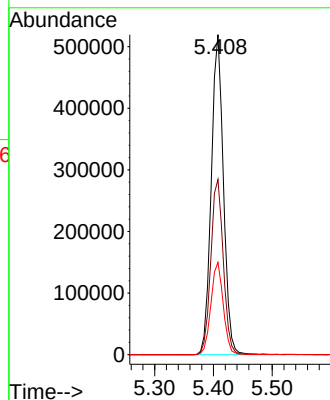
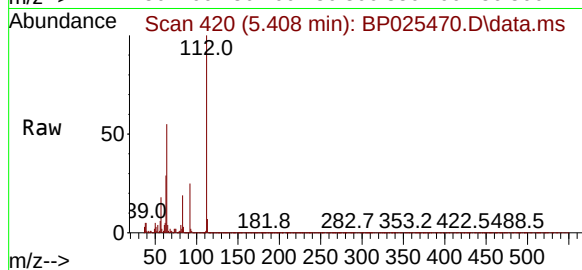
Tgt Ion:112 Resp: 749096

Ion Ratio Lower Upper

112 100

64 54.7 43.8 65.8

63 28.8 22.7 34.1



#6

Aniline

Concen: 40.087 ng

RT: 7.119 min Scan# 711

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

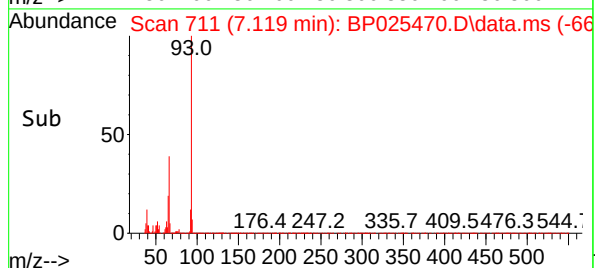
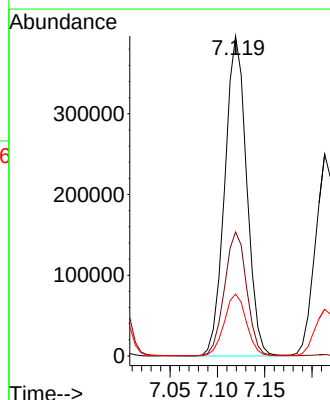
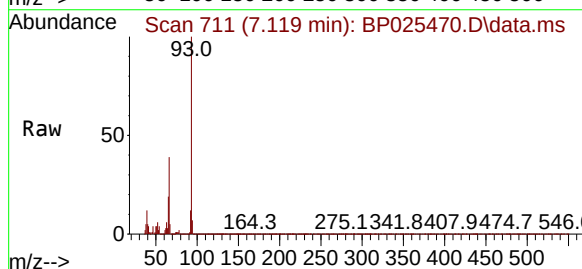
Tgt Ion: 93 Resp: 635215

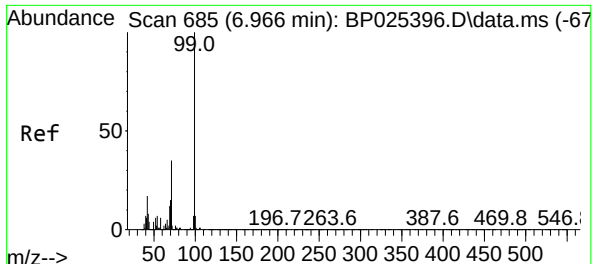
Ion Ratio Lower Upper

93 100

66 38.7 30.4 45.6

65 19.4 15.3 22.9

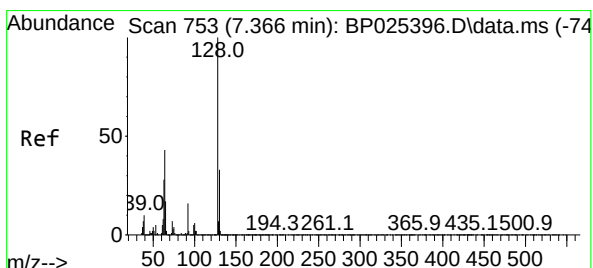
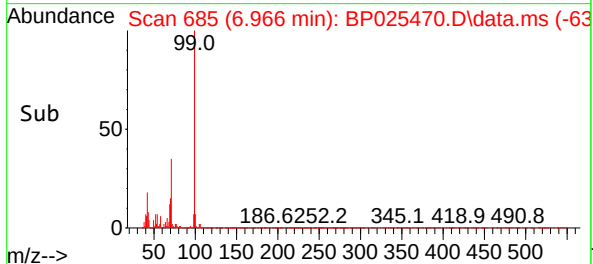
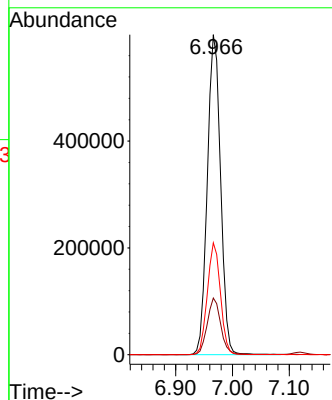
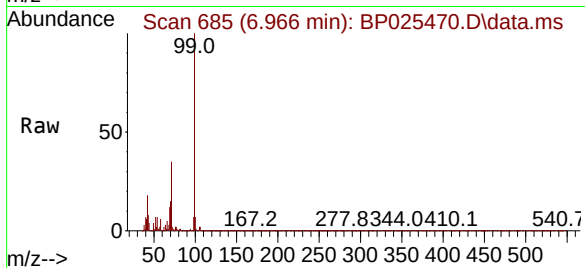




#7
Phenol-d6
Concen: 82.185 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

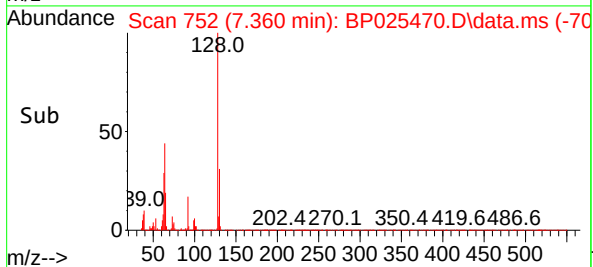
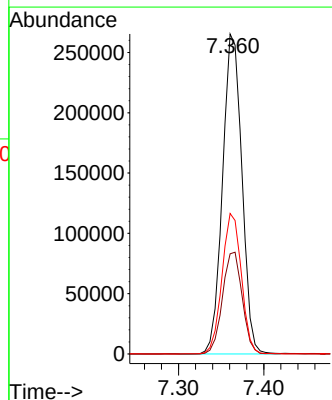
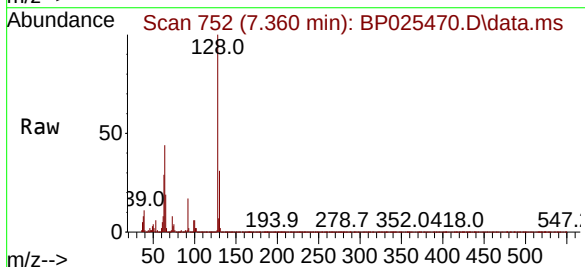
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

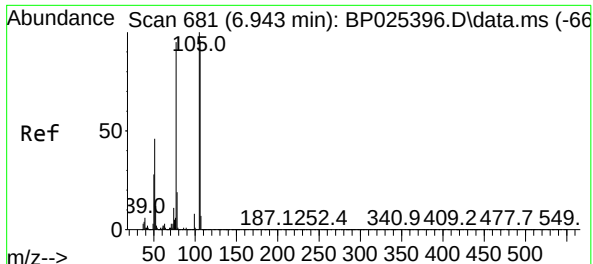
Tgt Ion: 99 Resp: 966571
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 35.0 28.2 42.4



#8
2-Chlorophenol
Concen: 40.380 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 128 Resp: 418000
Ion Ratio Lower Upper
128 100
130 31.3 12.6 52.6
64 43.9 23.4 63.4

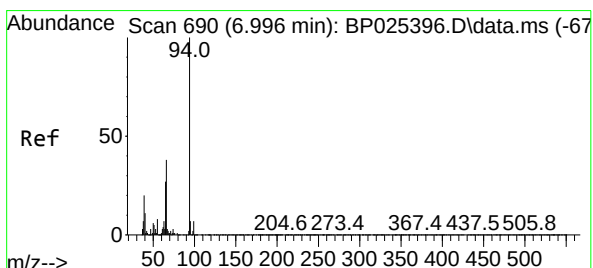
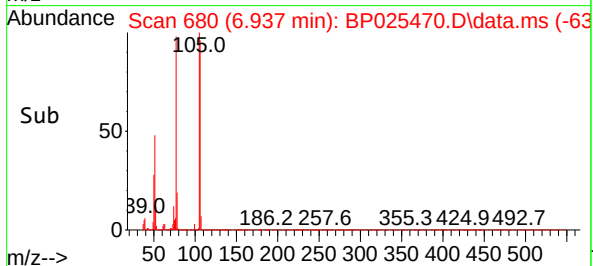
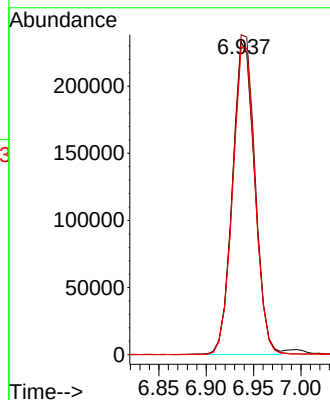
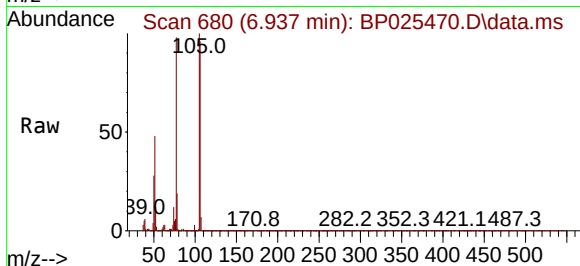




#9
Benzaldehyde
Concen: 46.044 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

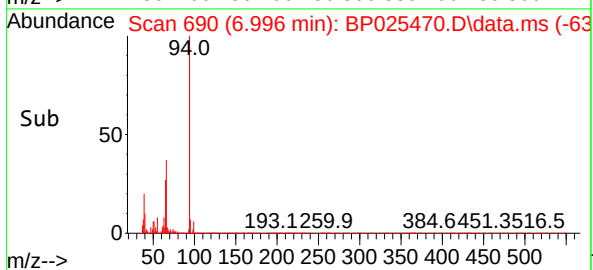
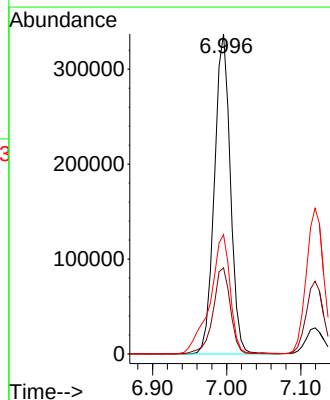
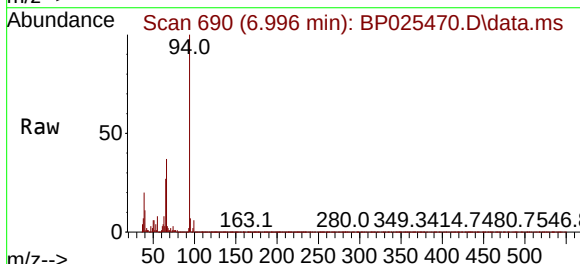
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

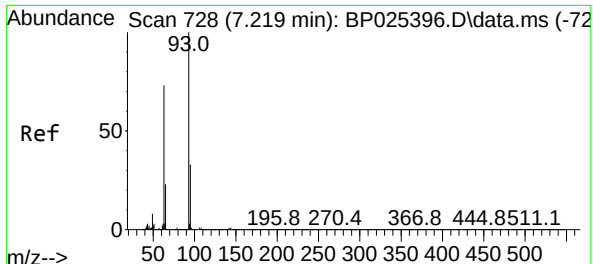
Tgt Ion: 77 Resp: 379395
Ion Ratio Lower Upper
77 100
105 102.3 84.8 124.8
106 98.3 80.5 120.5



#10
Phenol
Concen: 40.784 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 94 Resp: 503304
Ion Ratio Lower Upper
94 100
65 26.9 6.8 46.8
66 37.3 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 40.295 ng

RT: 7.213 min Scan# 71

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

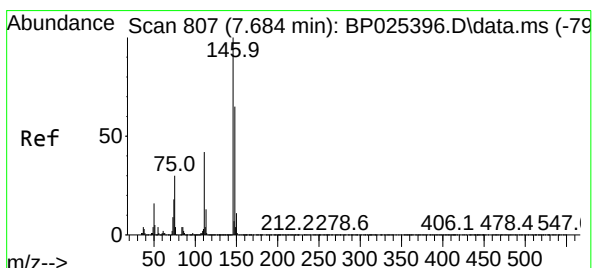
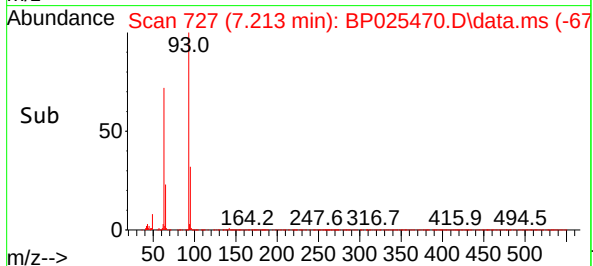
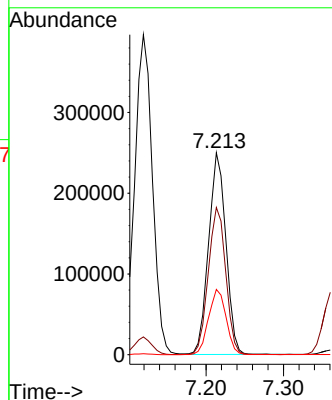
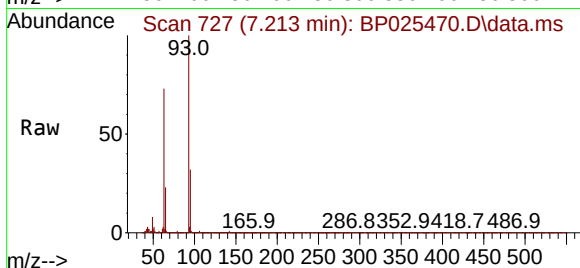
Tgt Ion: 93 Resp: 387587

Ion Ratio Lower Upper

93 100

63 72.9 52.6 92.6

95 32.3 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 40.075 ng

RT: 7.684 min Scan# 807

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

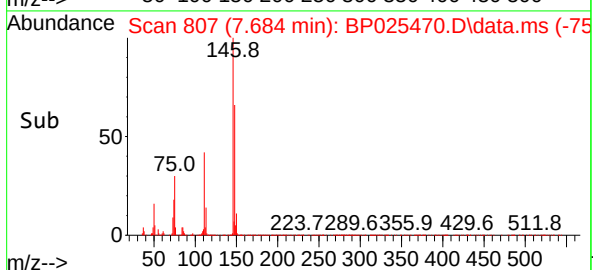
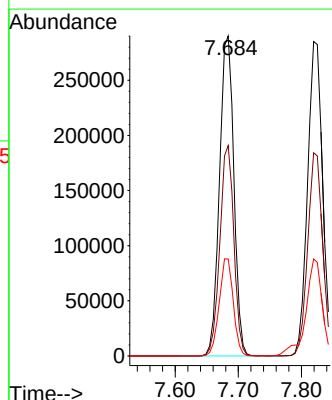
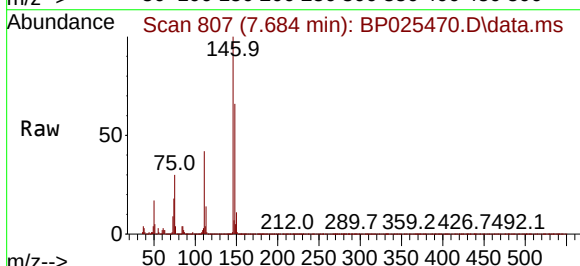
Tgt Ion: 146 Resp: 457432

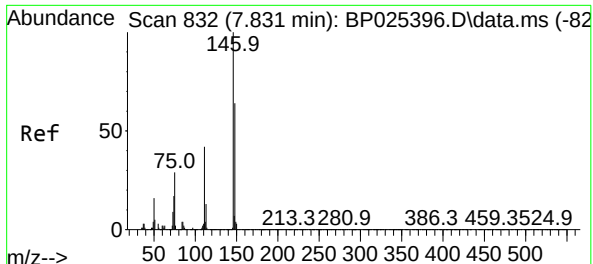
Ion Ratio Lower Upper

146 100

148 65.8 51.9 77.9

75 30.3 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 40.312 ng

RT: 7.819 min Scan# 81

Delta R.T. -0.012 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

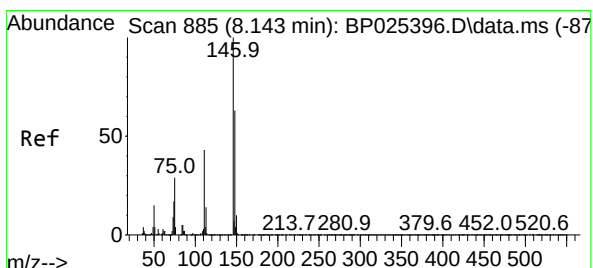
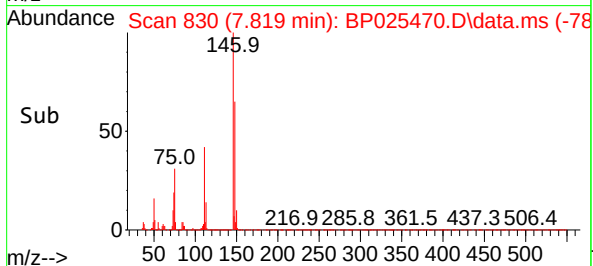
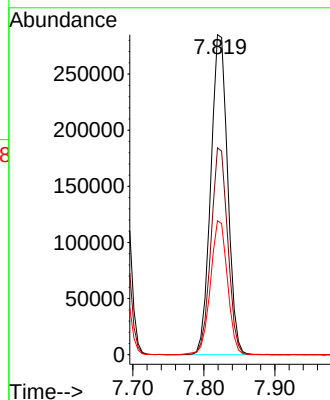
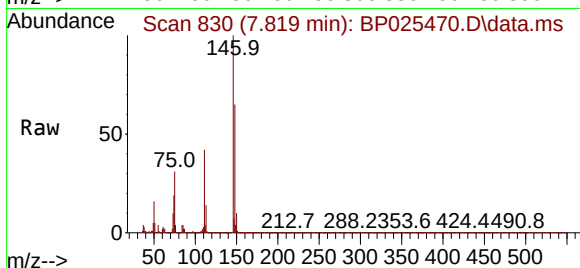
Tgt Ion:146 Resp: 470304

Ion Ratio Lower Upper

146 100

148 64.6 51.6 77.4

111 41.8 33.4 50.0



#14

1,2-Dichlorobenzene

Concen: 39.850 ng

RT: 8.137 min Scan# 884

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

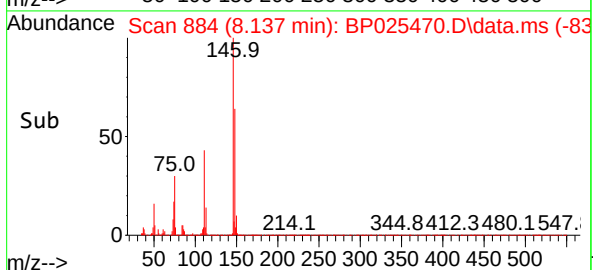
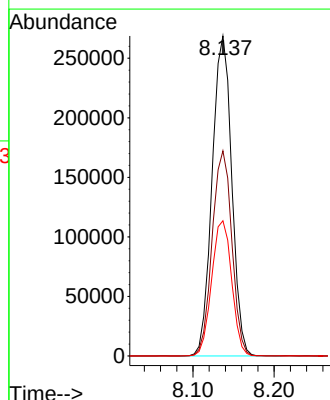
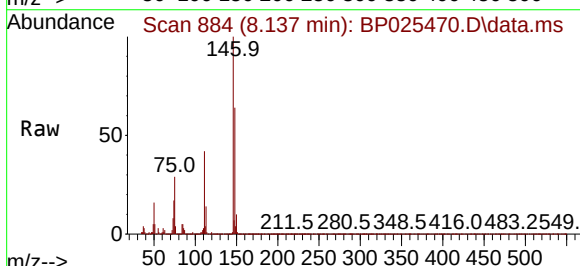
Tgt Ion:146 Resp: 450046

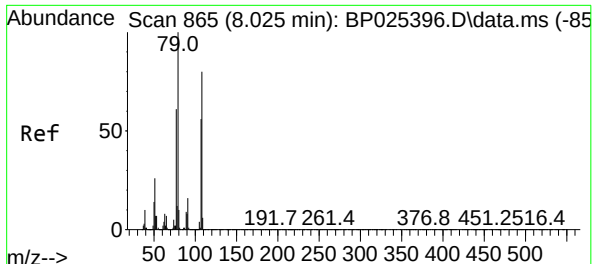
Ion Ratio Lower Upper

146 100

148 64.1 50.4 75.6

111 42.2 34.5 51.7





#15

Benzyl Alcohol

Concen: 39.981 ng

RT: 8.019 min Scan# 80

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

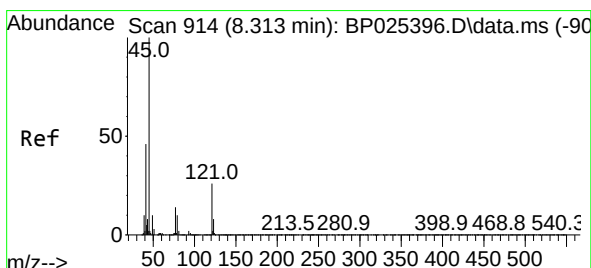
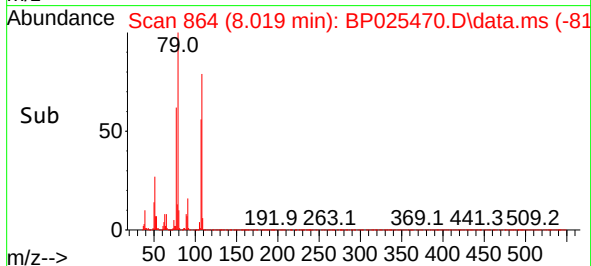
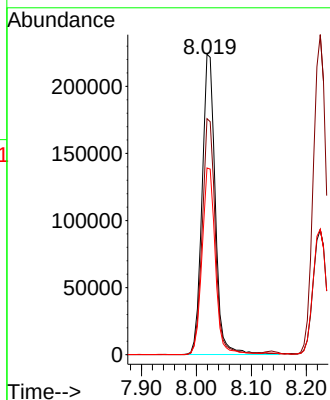
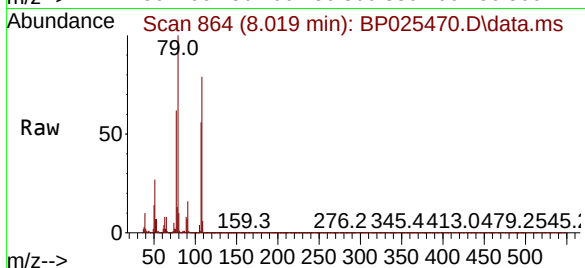
Tgt Ion: 79 Resp: 373613

Ion Ratio Lower Upper

79 100

108 78.5 63.8 95.6

77 62.1 49.0 73.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.786 ng

RT: 8.313 min Scan# 914

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

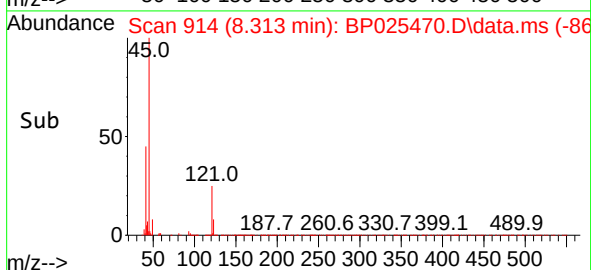
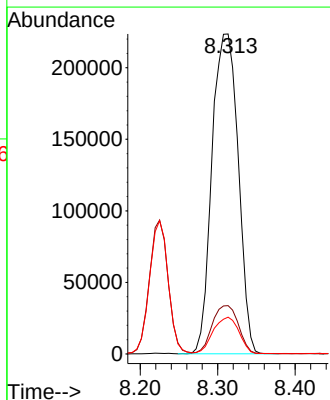
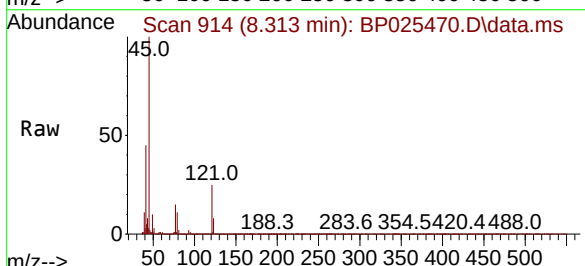
Tgt Ion: 45 Resp: 525543

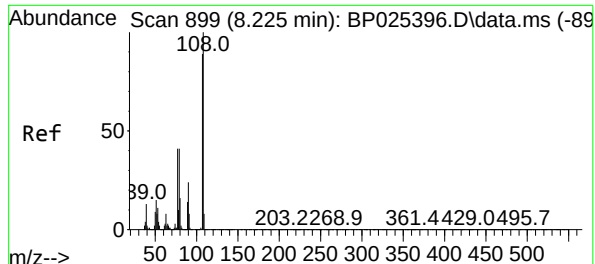
Ion Ratio Lower Upper

45 100

77 15.1 0.0 35.3

79 11.5 0.0 31.8





#17

2-Methylphenol

Concen: 40.470 ng

RT: 8.225 min Scan# 899

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 346865

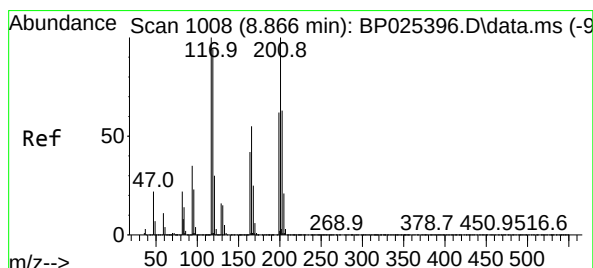
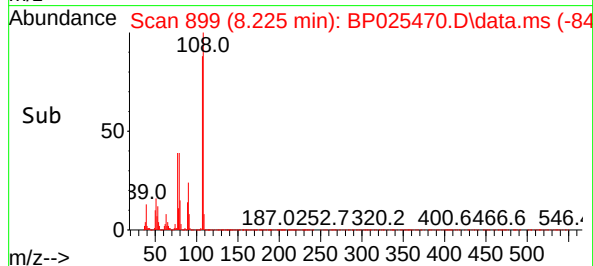
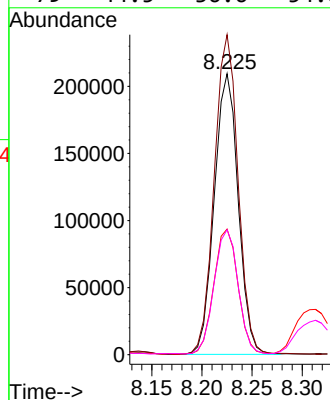
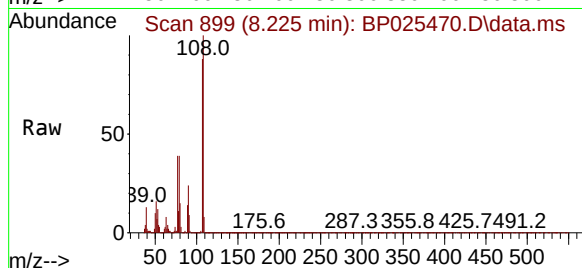
Ion Ratio Lower Upper

107 100

108 113.9 89.4 134.0

77 44.7 36.3 54.5

79 44.5 36.6 54.8



#18

Hexachloroethane

Concen: 40.757 ng

RT: 8.860 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

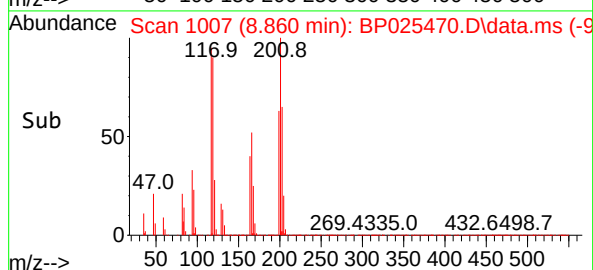
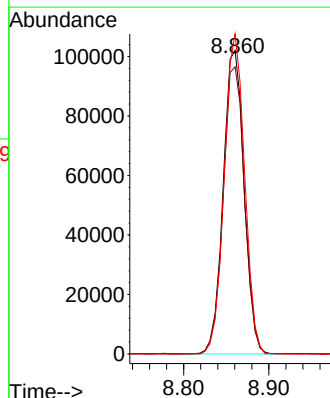
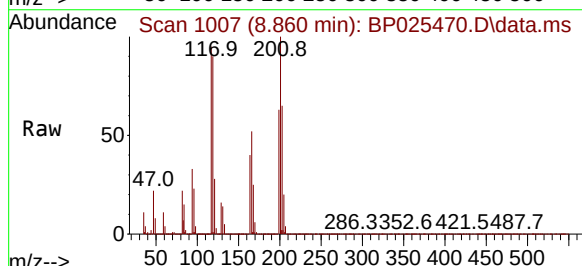
Tgt Ion:117 Resp: 174831

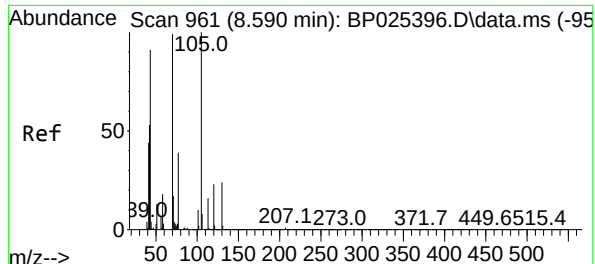
Ion Ratio Lower Upper

117 100

119 94.6 75.1 112.7

201 105.4 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 39.573 ng

RT: 8.584 min Scan# 9

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 308279

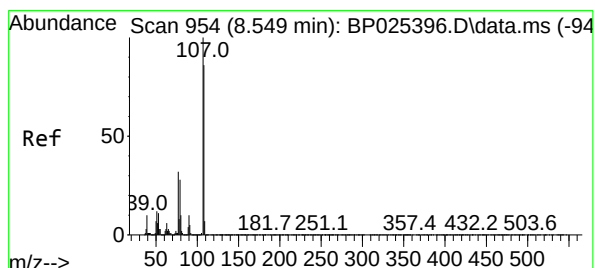
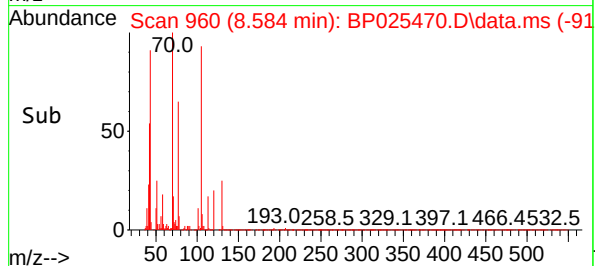
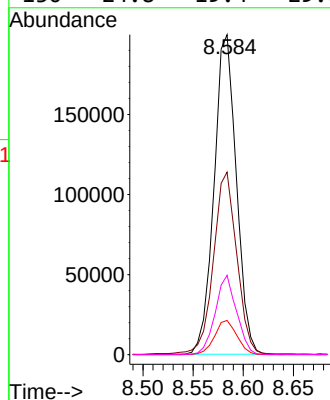
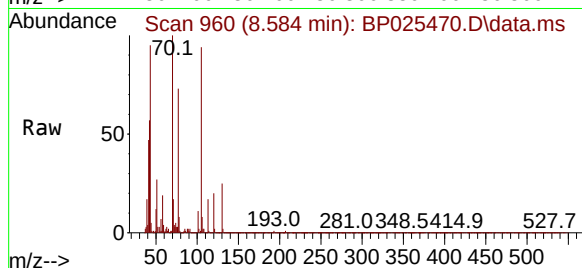
Ion Ratio Lower Upper

70 100

42 57.1 43.8 65.6

101 10.7 8.5 12.7

130 24.8 19.4 29.0



#20

3+4-Methylphenols

Concen: 40.080 ng

RT: 8.549 min Scan# 954

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Tgt Ion: 107 Resp: 476179

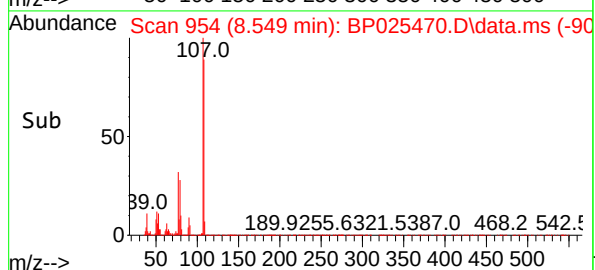
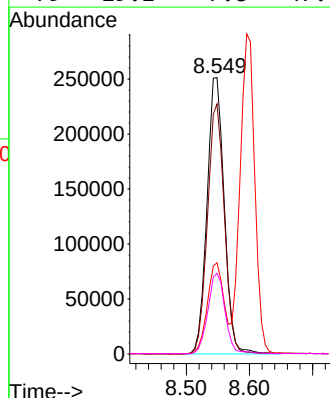
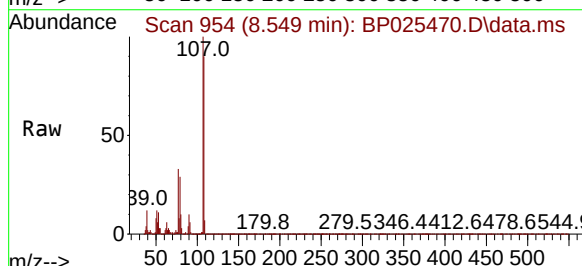
Ion Ratio Lower Upper

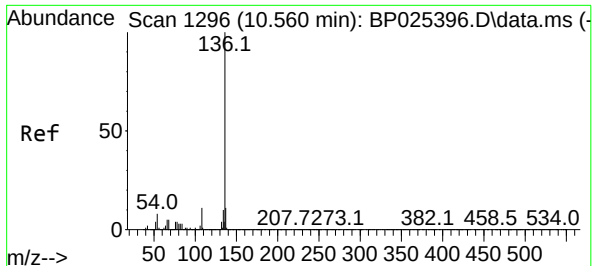
107 100

108 90.5 66.3 106.3

77 33.0 12.3 52.3

79 29.2 7.8 47.8

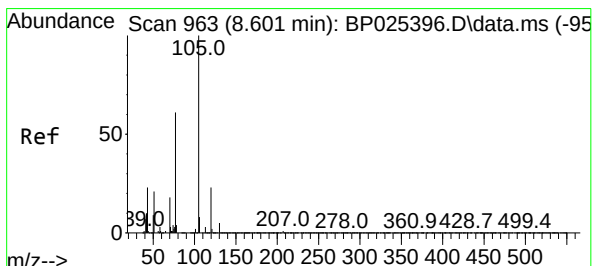
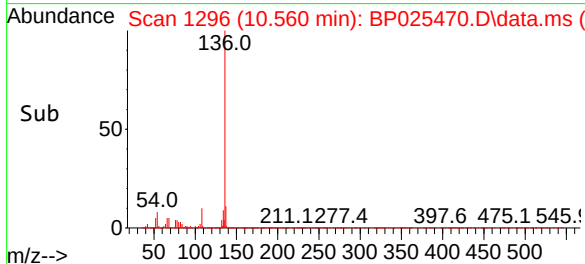
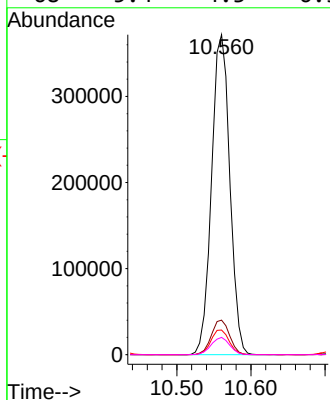
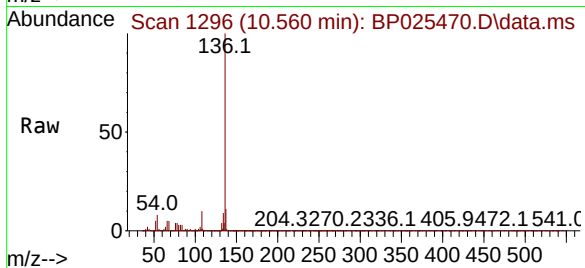




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

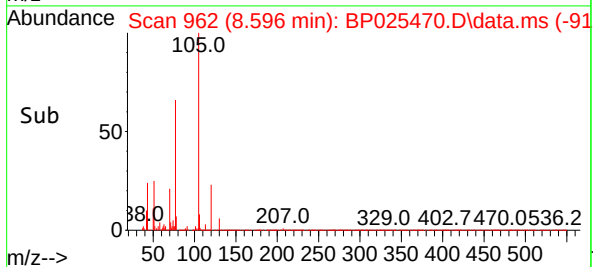
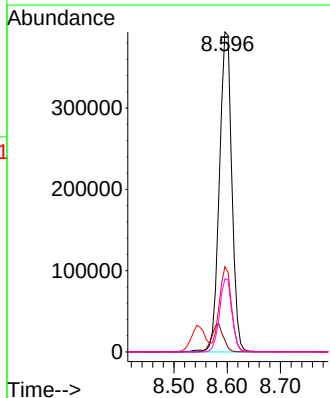
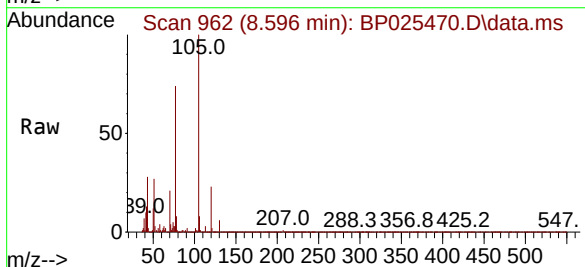
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

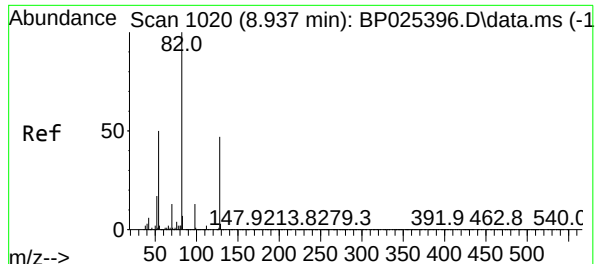
Tgt Ion:	136	Resp:	634765
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.7	6.0	9.0
68	5.4	4.3	6.5



#22
Acetophenone
Concen: 40.114 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:	105	Resp:	638557
Ion	Ratio	Lower	Upper
105	100		
71	3.6	2.6	4.0
51	26.7	20.6	30.8
120	22.8	18.6	27.8





#23

Nitrobenzene-d5

Concen: 81.627 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

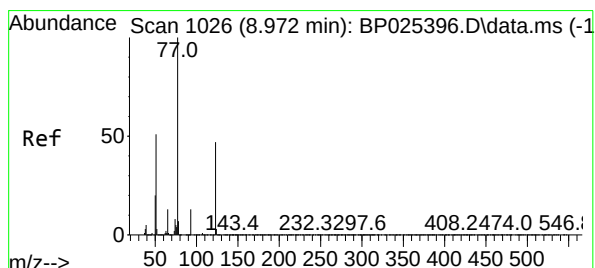
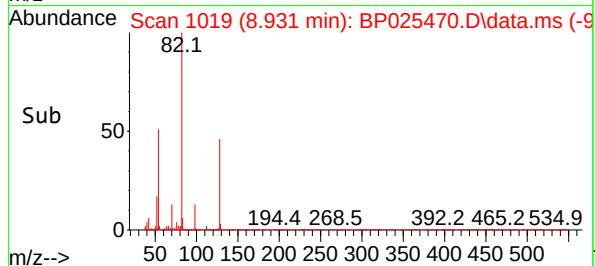
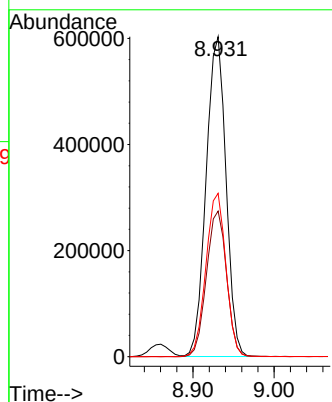
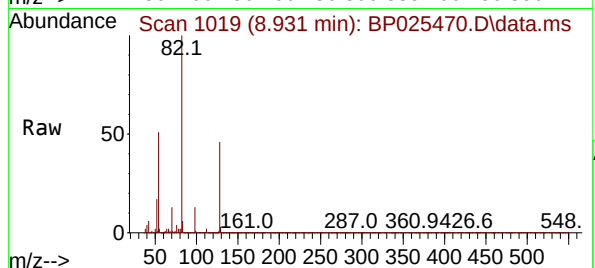
Tgt Ion: 82 Resp: 1024289

Ion Ratio Lower Upper

82 100

128 45.5 37.7 56.5

54 51.1 39.8 59.6



#24

Nitrobenzene

Concen: 40.460 ng

RT: 8.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

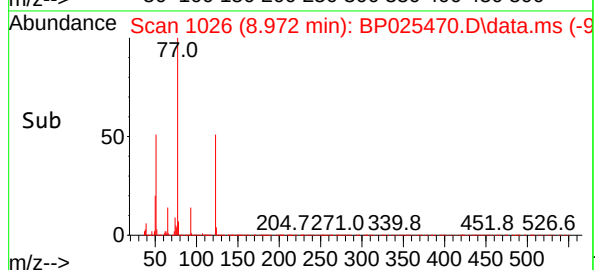
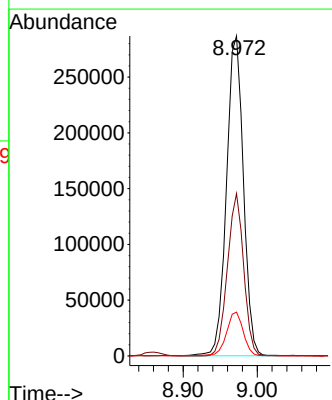
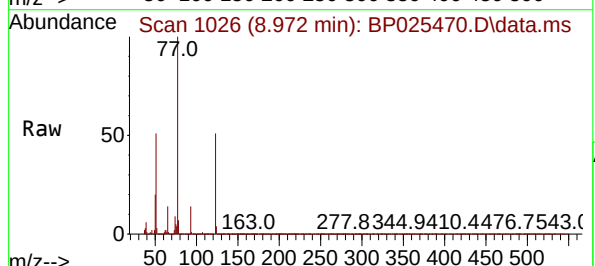
Tgt Ion: 77 Resp: 453746

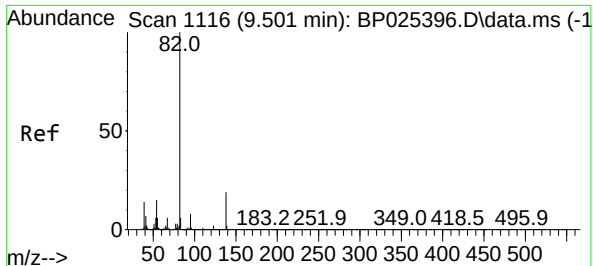
Ion Ratio Lower Upper

77 100

123 50.8 38.6 58.0

65 13.7 10.6 15.8

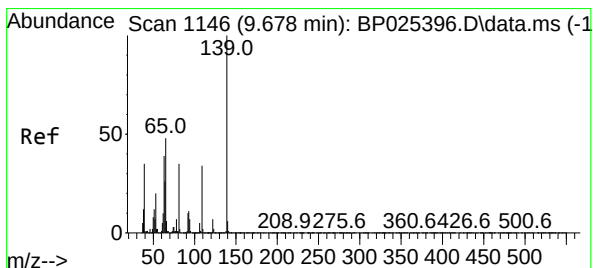
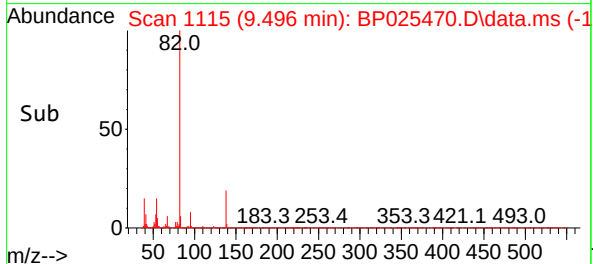
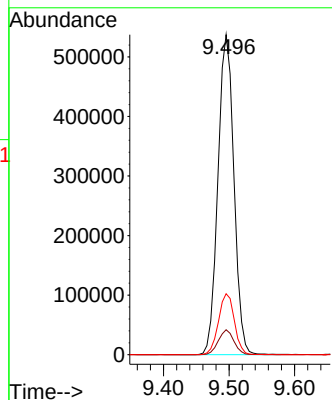
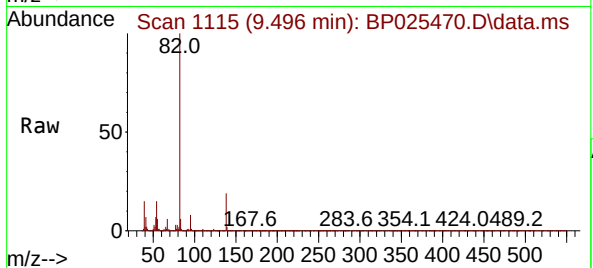




#25
Isophorone
Concen: 40.781 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

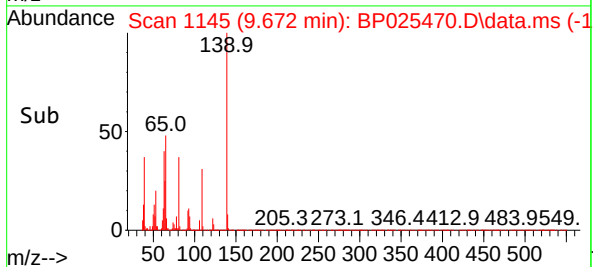
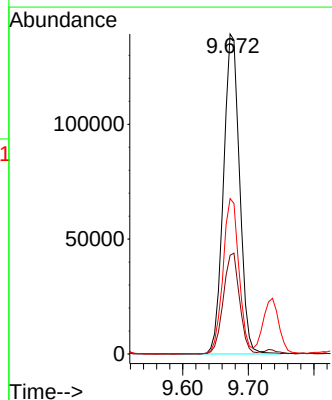
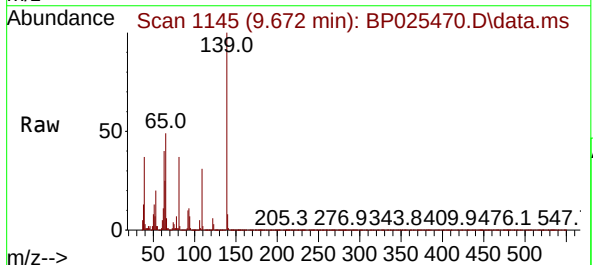
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

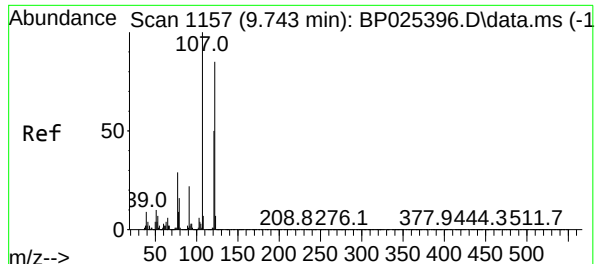
Tgt Ion: 82 Resp: 905645
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 19.1 15.4 23.0



#26
2-Nitrophenol
Concen: 41.117 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 139 Resp: 236646
Ion Ratio Lower Upper
139 100
109 30.9 26.9 40.3
65 48.5 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 41.001 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

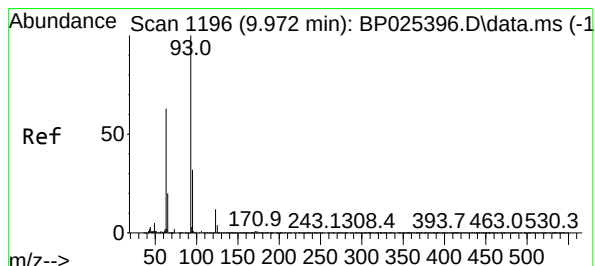
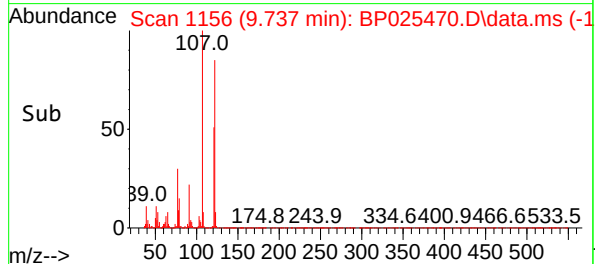
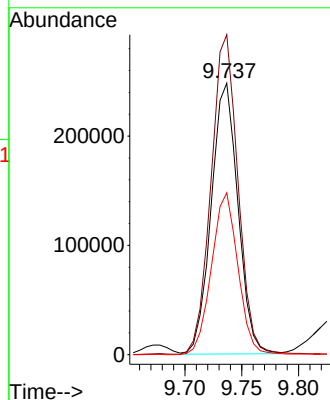
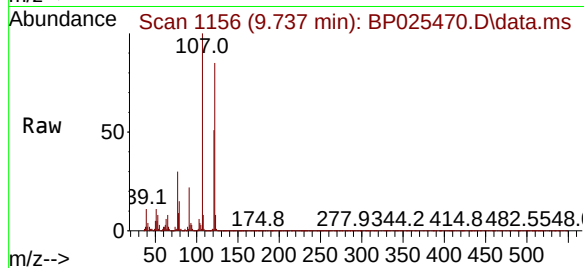
Tgt Ion:122 Resp: 405811

Ion Ratio Lower Upper

122 100

107 117.9 93.7 140.5

121 59.6 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 40.077 ng

RT: 9.966 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

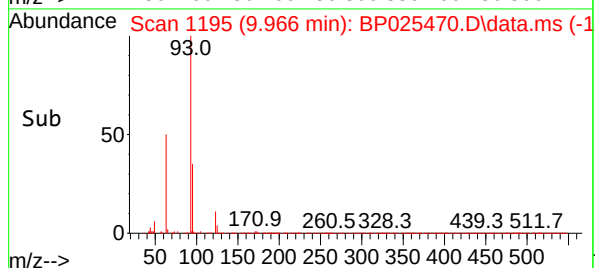
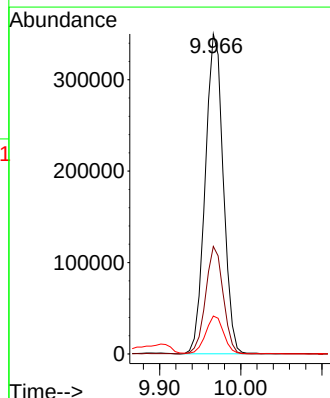
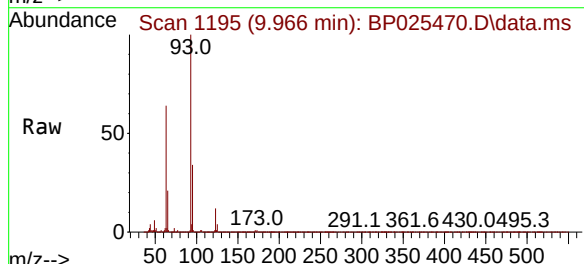
Tgt Ion: 93 Resp: 537984

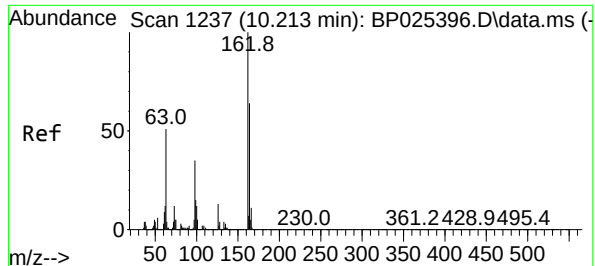
Ion Ratio Lower Upper

93 100

95 33.6 25.4 38.0

123 11.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 40.511 ng

RT: 10.207 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

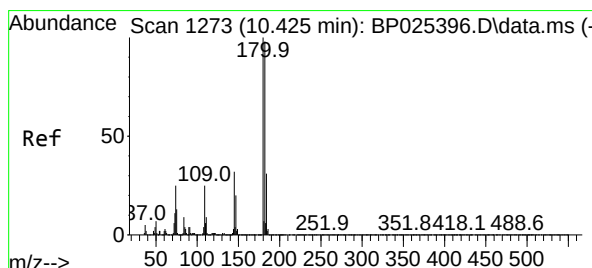
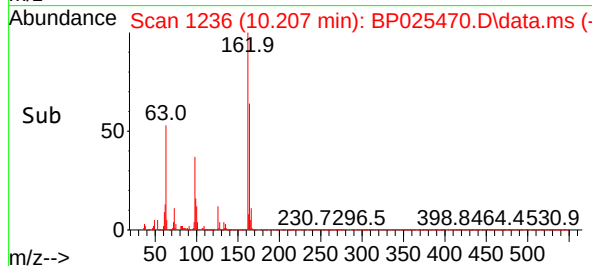
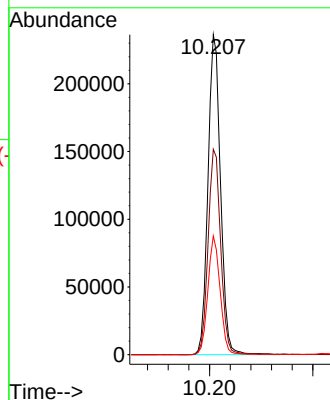
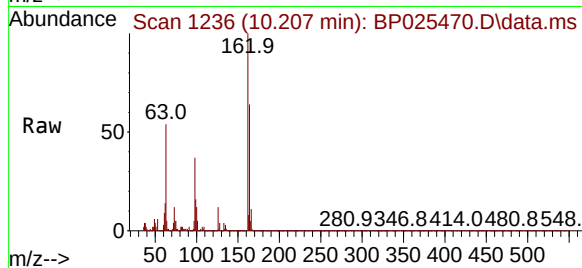
Tgt Ion:162 Resp: 398311

Ion Ratio Lower Upper

162 100

164 64.2 44.4 84.4

98 37.1 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 39.422 ng

RT: 10.419 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

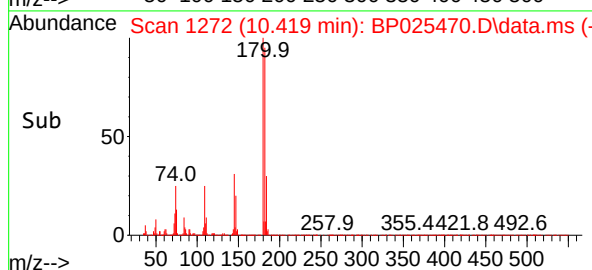
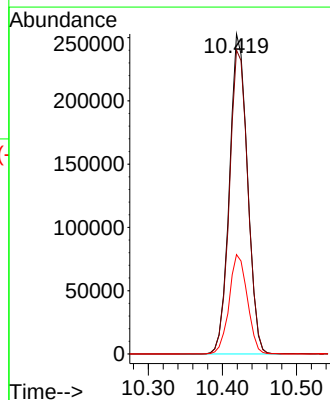
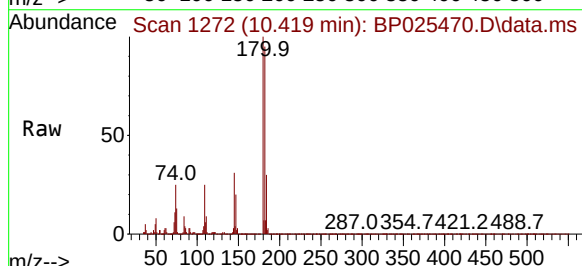
Tgt Ion:180 Resp: 424899

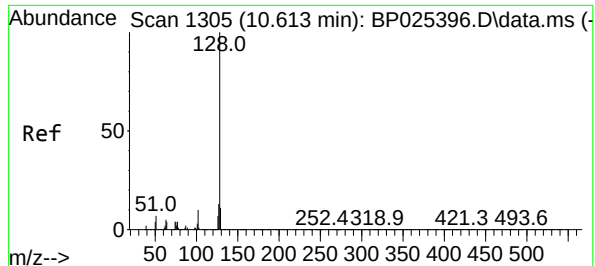
Ion Ratio Lower Upper

180 100

182 94.9 78.0 117.0

145 31.1 25.9 38.9

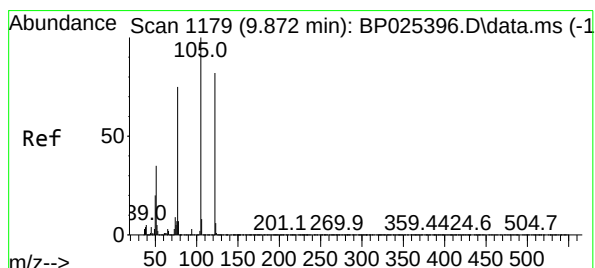
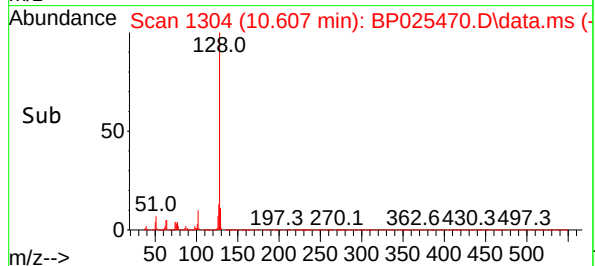
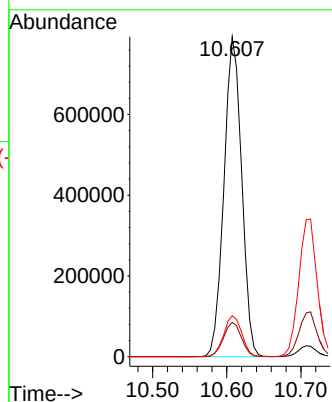
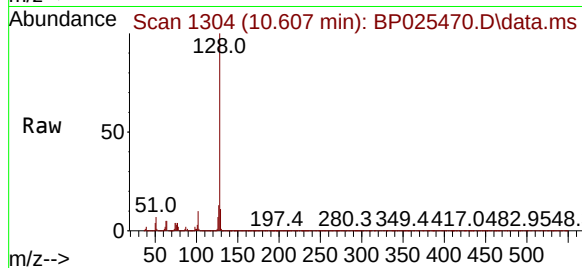




#31
Naphthalene
Concen: 39.813 ng
RT: 10.607 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

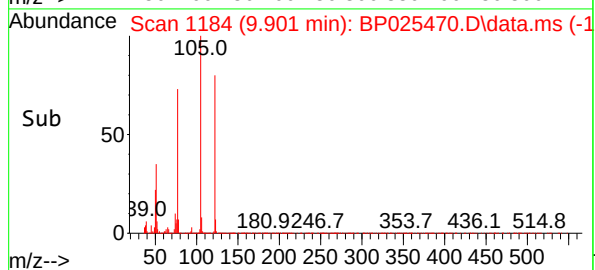
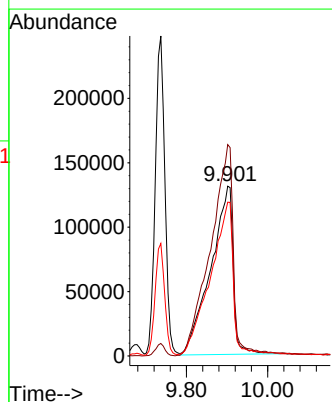
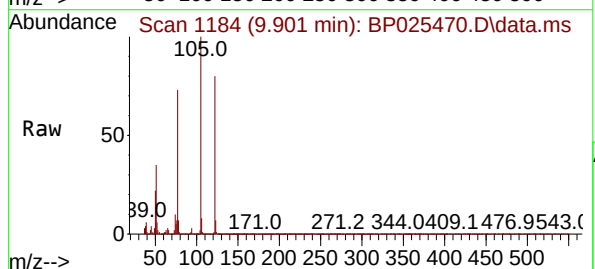
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

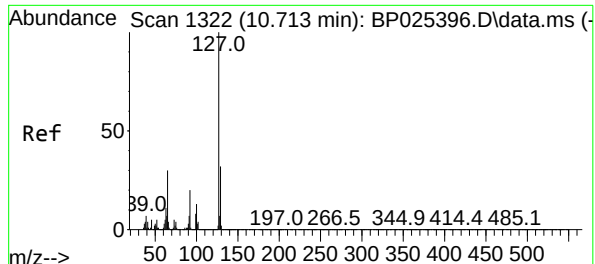
Tgt Ion:128 Resp: 1313518
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 12.8 10.7 16.1



#32
Benzoic acid
Concen: 68.883 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.029 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:122 Resp: 503342
Ion Ratio Lower Upper
122 100
105 124.5 100.6 140.6
77 90.5 71.5 111.5

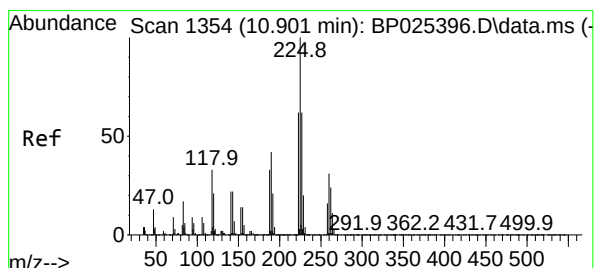
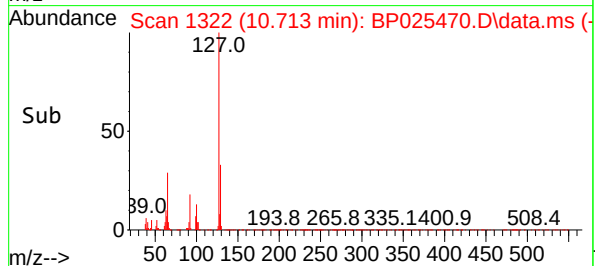
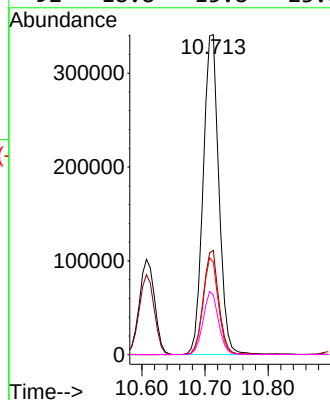
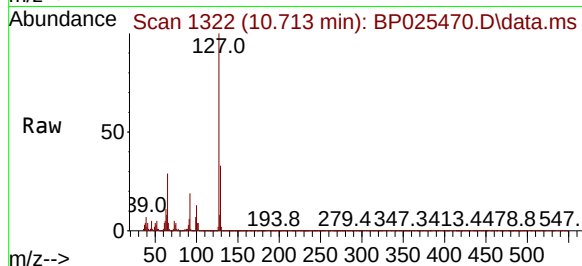




#33
4-Chloroaniline
Concen: 40.457 ng
RT: 10.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

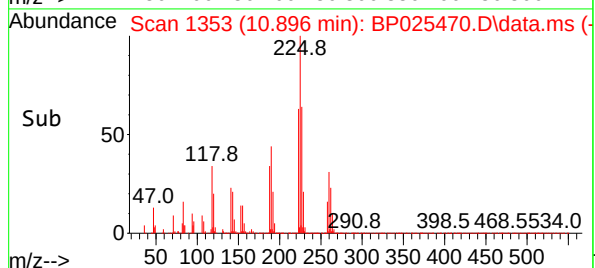
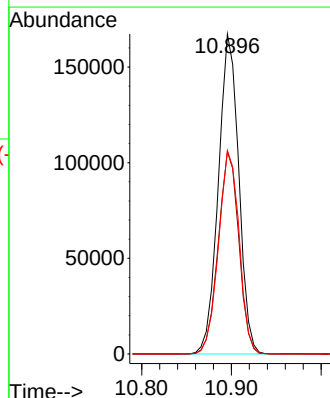
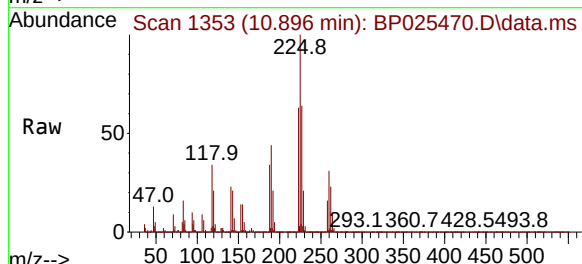
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

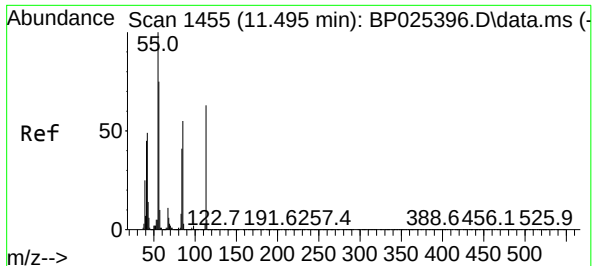
Tgt Ion:	127	Resp:	589602
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.4	38.2
65	29.0	23.8	35.6
92	18.8	15.8	23.8



#34
Hexachlorobutadiene
Concen: 39.292 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:	225	Resp:	263743
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.0	75.0
227	63.6	49.7	74.5

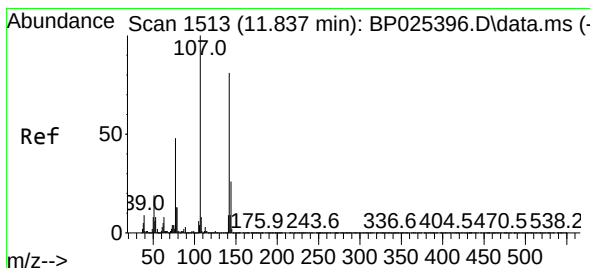
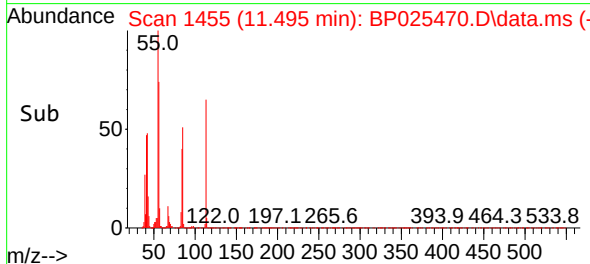
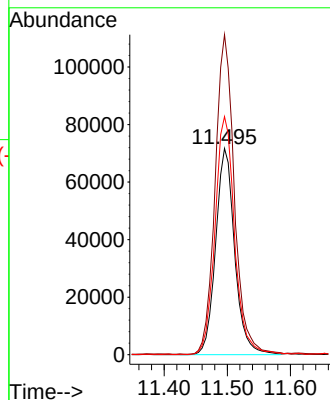
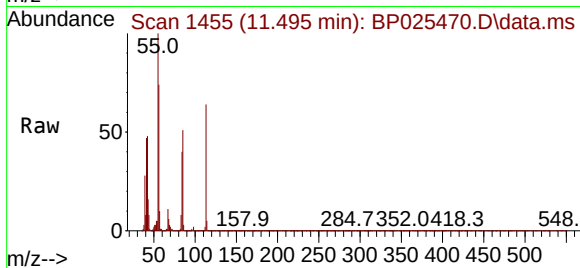




#35
Caprolactam
Concen: 41.521 ng
RT: 11.495 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

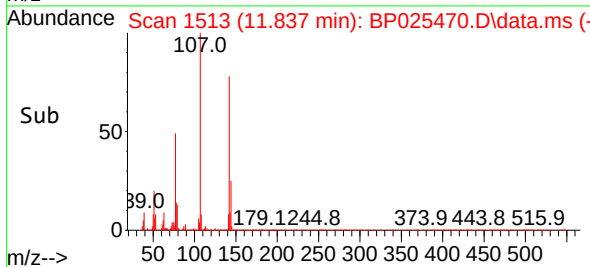
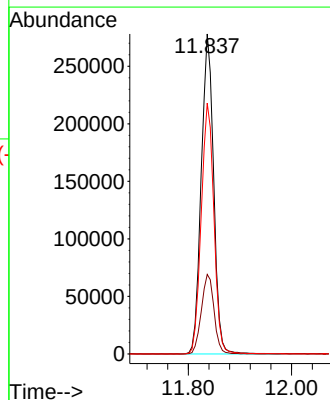
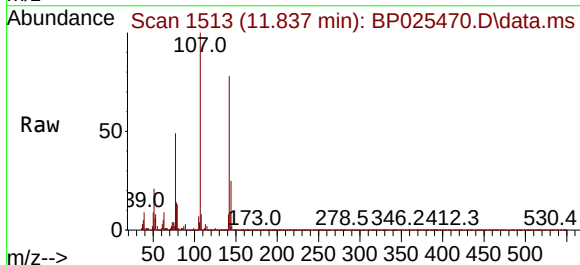
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

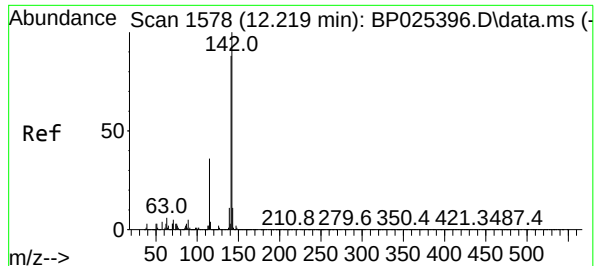
Tgt Ion	Ratio	Lower	Upper
113	100		
55	155.2	140.0	180.0
56	115.5	100.0	140.0



#36
4-Chloro-3-methylphenol
Concen: 40.950 ng
RT: 11.837 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.9	21.0	31.4
142	78.4	64.6	97.0





#37

2-Methylnaphthalene

Concen: 39.823 ng

RT: 12.219 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

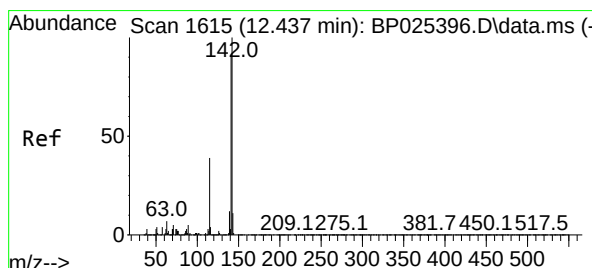
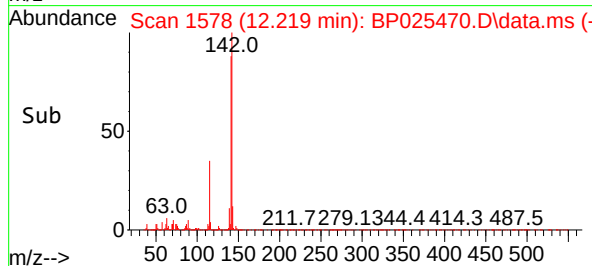
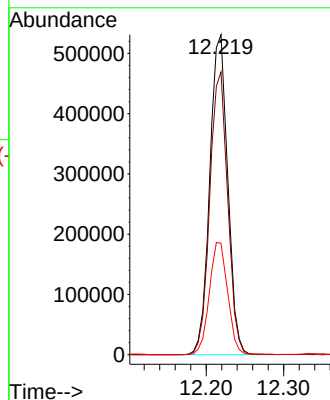
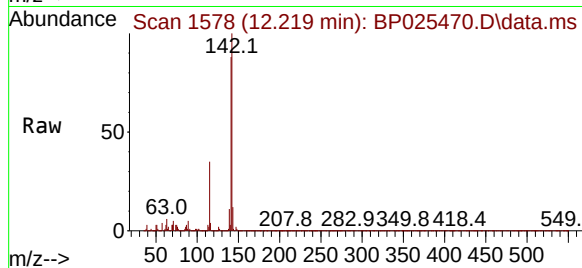
Tgt Ion:142 Resp: 855020

Ion Ratio Lower Upper

142 100

141 88.3 70.3 105.5

115 34.8 28.9 43.3



#38

1-Methylnaphthalene

Concen: 39.680 ng

RT: 12.431 min Scan# 1614

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

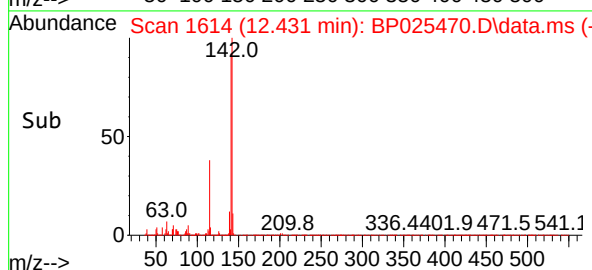
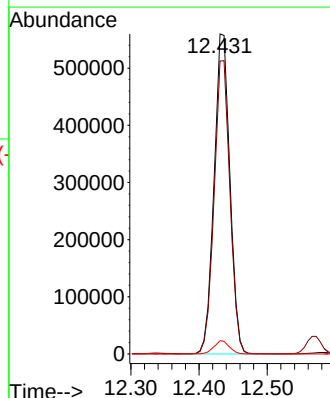
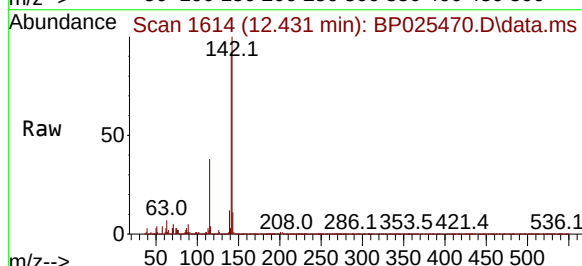
Tgt Ion:142 Resp: 906013

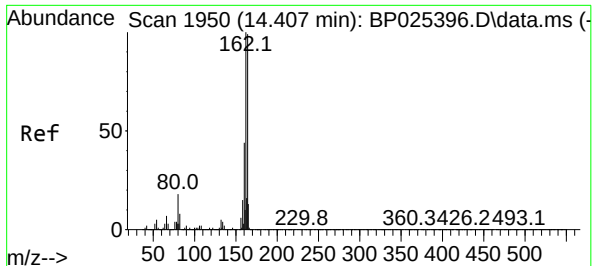
Ion Ratio Lower Upper

142 100

141 91.5 73.1 109.7

116 4.1 3.2 4.8

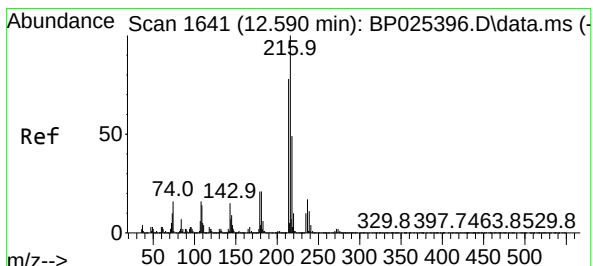
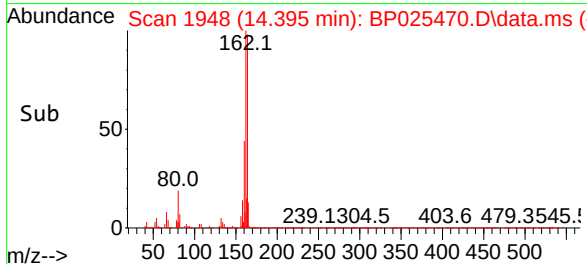
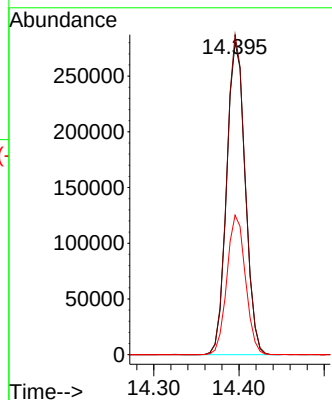
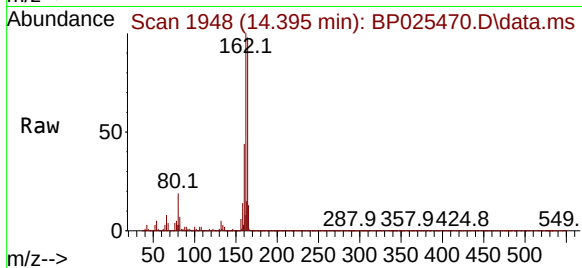




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

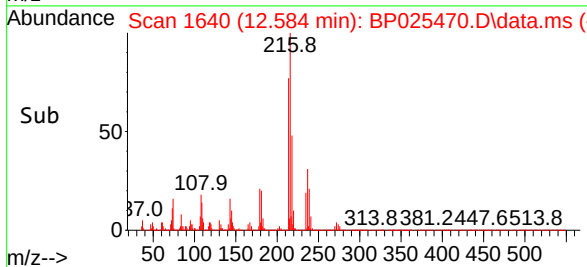
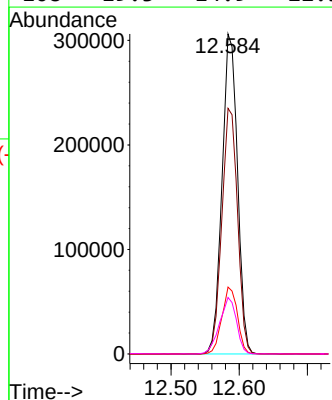
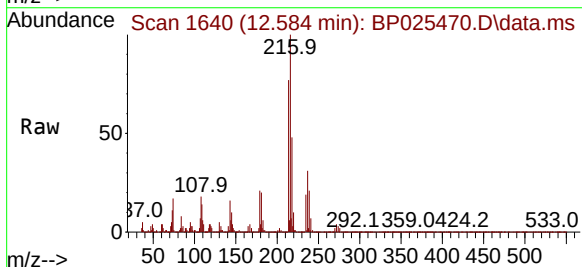
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

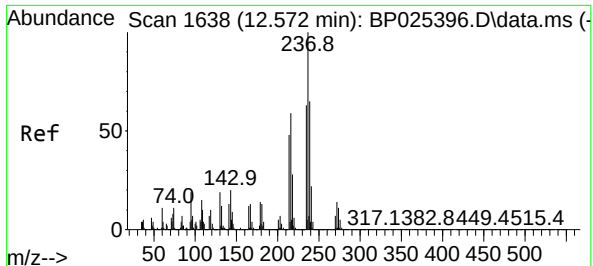
Tgt Ion:164 Resp: 424501
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.6
160 44.7 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.392 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:216 Resp: 482945
Ion Ratio Lower Upper
216 100
214 78.0 63.0 94.4
179 21.0 17.1 25.7
108 19.3 14.9 22.3

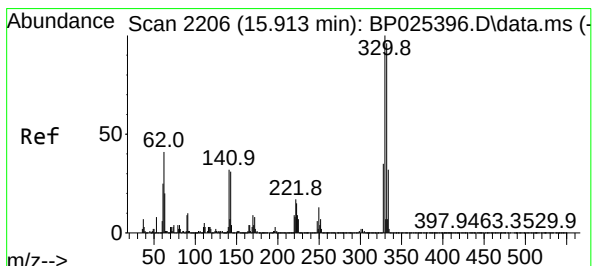
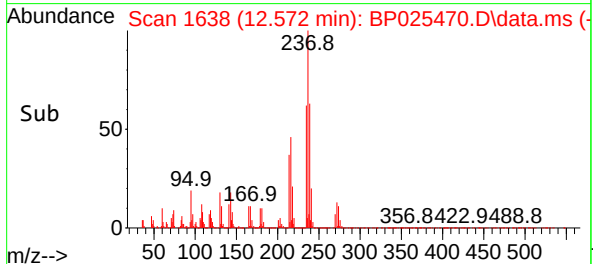
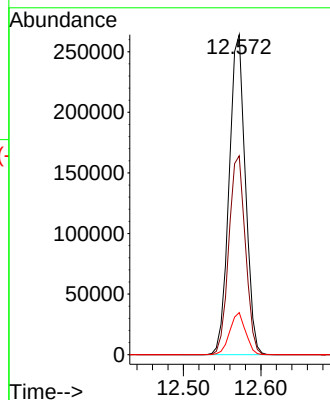
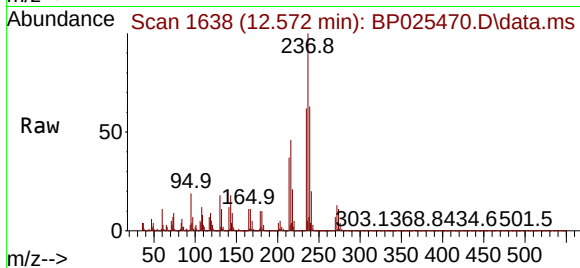




#41
Hexachlorocyclopentadiene
Concen: 52.042 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

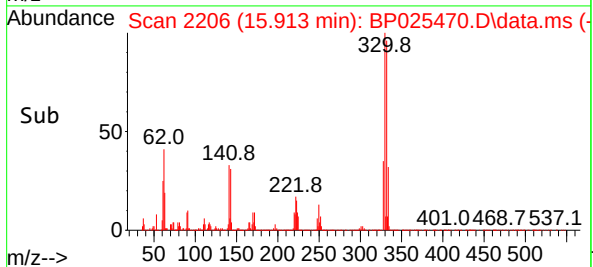
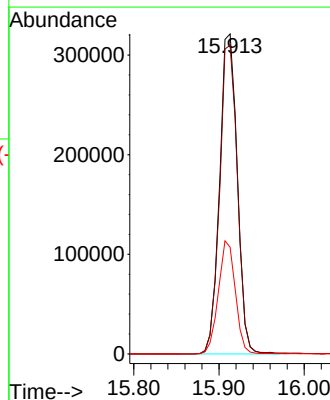
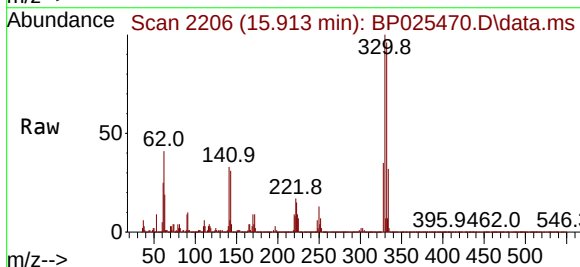
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

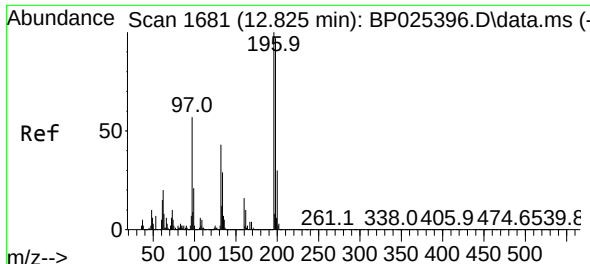
Tgt Ion:237 Resp: 385397
Ion Ratio Lower Upper
237 100
235 62.1 42.7 82.7
272 13.1 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 81.256 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:330 Resp: 464282
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 34.0 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 41.018 ng

RT: 12.825 min Scan# 1681

Delta R.T. -0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

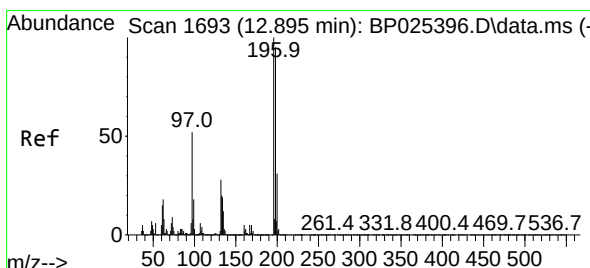
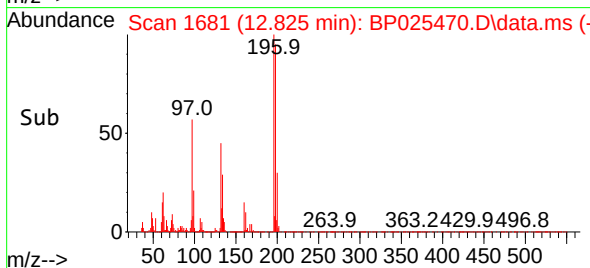
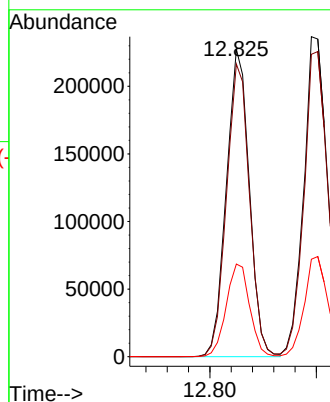
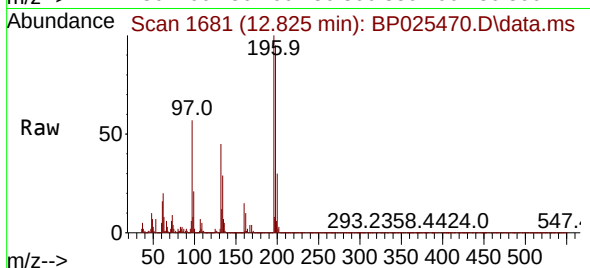
Tgt Ion:196 Resp: 339499

Ion Ratio Lower Upper

196 100

198 95.2 77.2 115.8

200 30.1 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 40.597 ng

RT: 12.895 min Scan# 1693

Delta R.T. -0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Tgt Ion:196 Resp: 368261

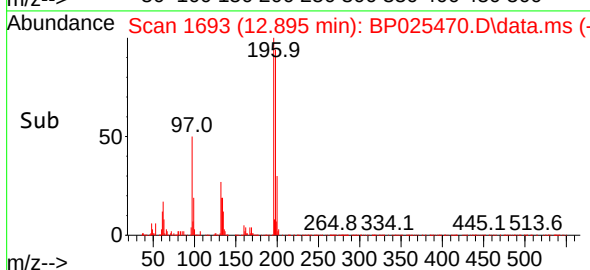
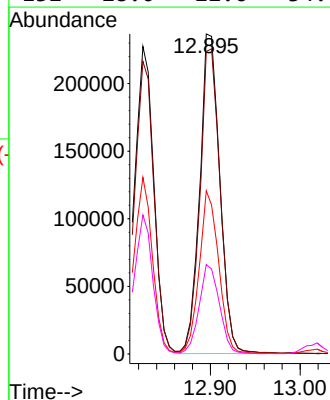
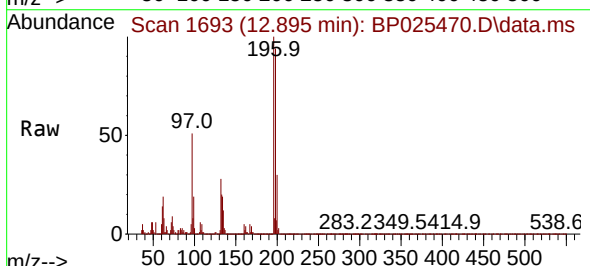
Ion Ratio Lower Upper

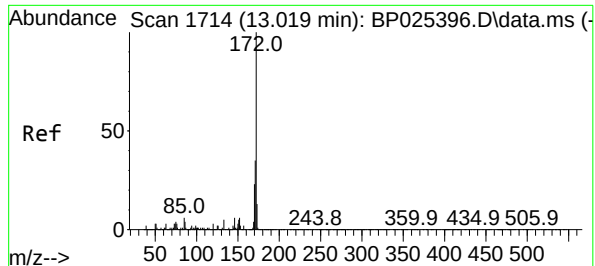
196 100

198 94.5 76.2 114.2

97 51.0 41.2 61.8

132 28.0 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 79.181 ng

RT: 13.019 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

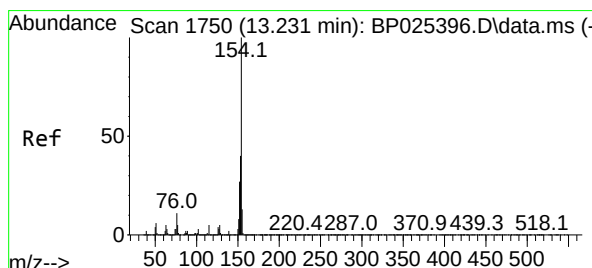
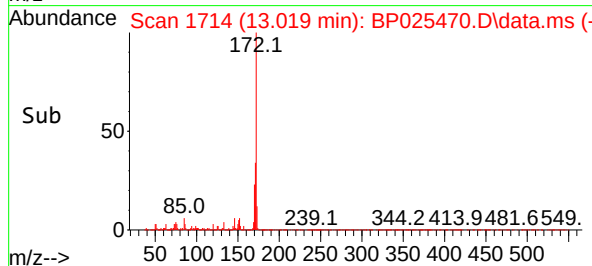
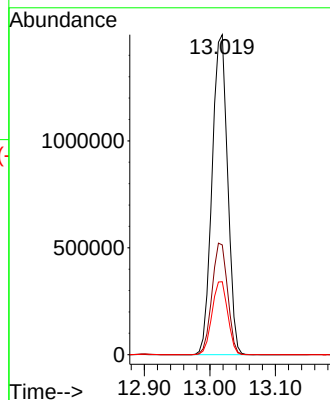
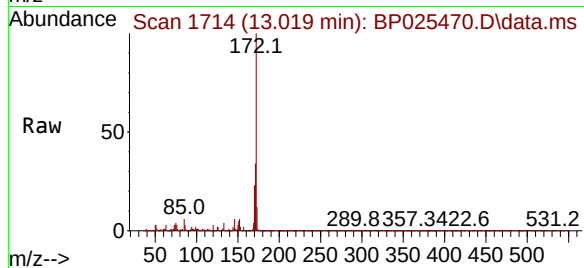
Tgt Ion:172 Resp: 2459410

Ion Ratio Lower Upper

172 100

171 34.3 28.1 42.1

170 22.8 18.6 28.0



#46

1,1'-Biphenyl

Concen: 40.000 ng

RT: 13.225 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

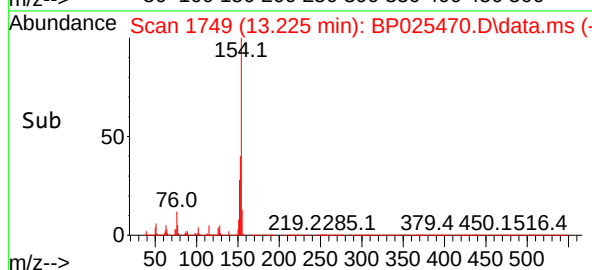
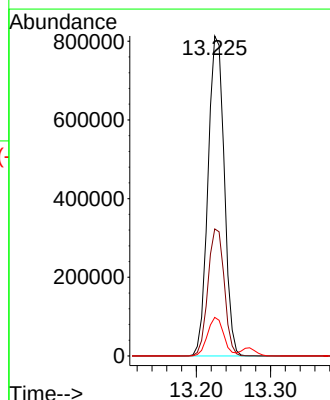
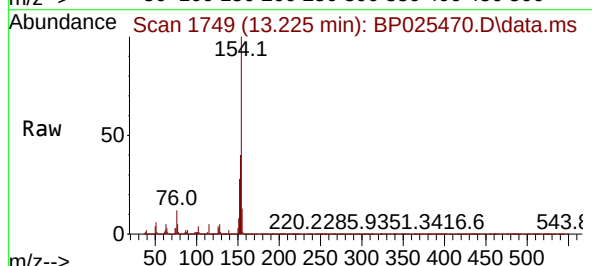
Tgt Ion:154 Resp: 1233177

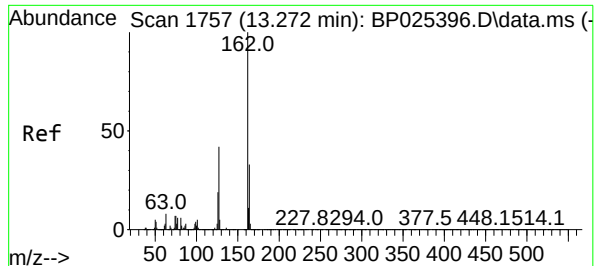
Ion Ratio Lower Upper

154 100

153 39.7 19.5 59.5

76 12.0 0.0 31.1





#47

2-Chloronaphthalene

Concen: 39.556 ng

RT: 13.272 min Scan# 1757

Delta R.T. -0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

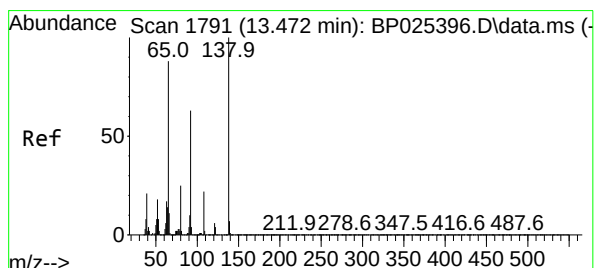
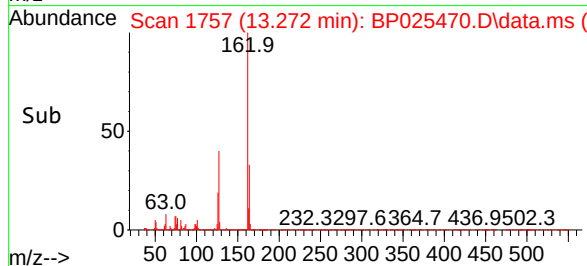
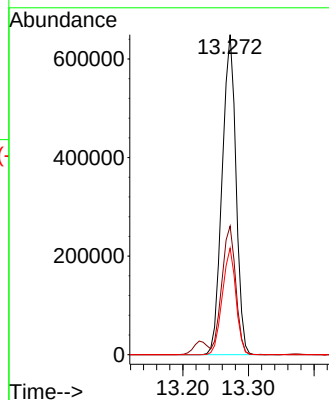
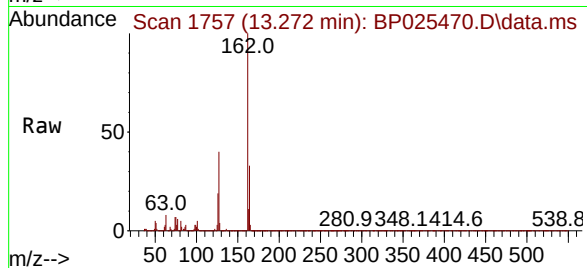
Tgt Ion:162 Resp: 949372

Ion Ratio Lower Upper

162 100

127 40.2 33.4 50.2

164 33.3 26.2 39.2



#48

2-Nitroaniline

Concen: 42.581 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

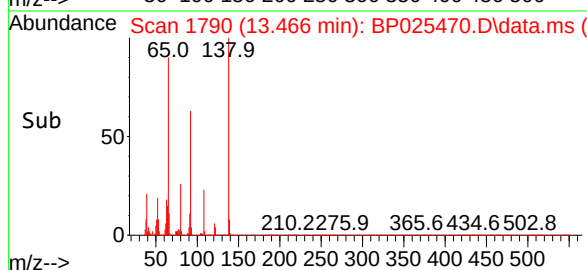
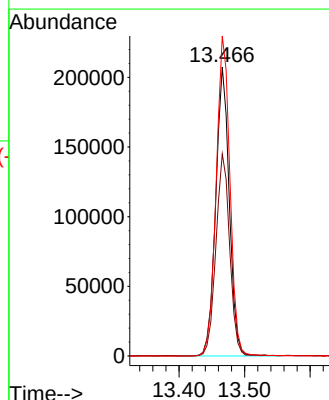
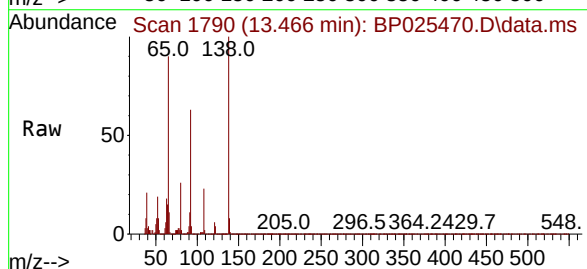
Tgt Ion: 65 Resp: 297776

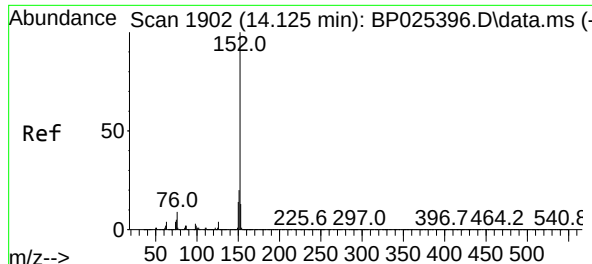
Ion Ratio Lower Upper

65 100

92 69.9 57.6 86.4

138 110.7 91.0 136.6





#49

Acenaphthylene

Concen: 40.322 ng

RT: 14.119 min Scan# 1901

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

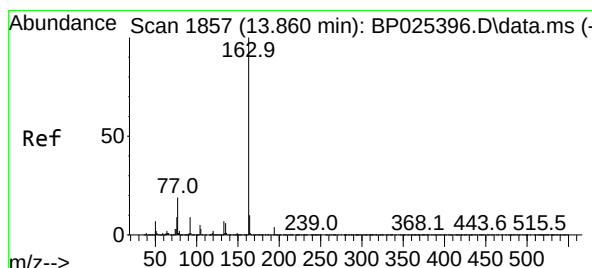
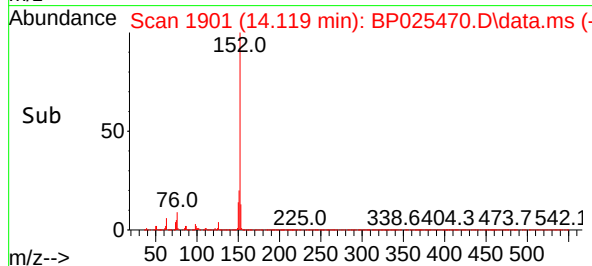
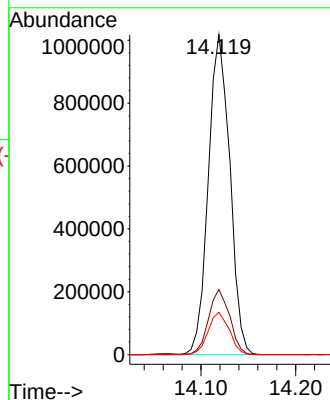
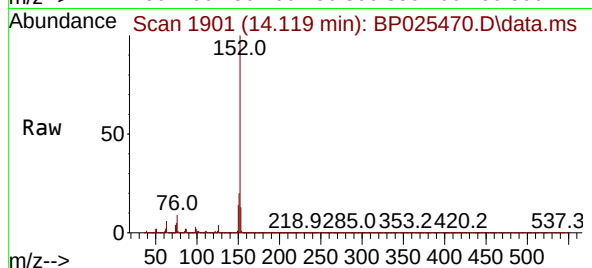
Tgt Ion:152 Resp: 1601364

Ion Ratio Lower Upper

152 100

151 20.4 16.0 24.0

153 13.3 10.6 15.8



#50

Dimethylphthalate

Concen: 40.430 ng

RT: 13.854 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

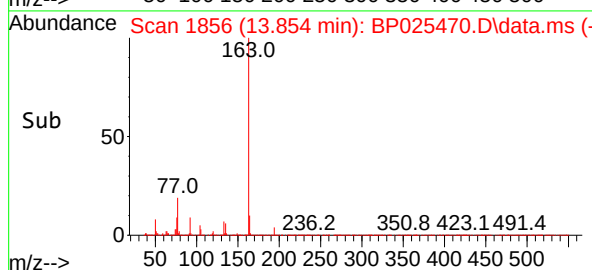
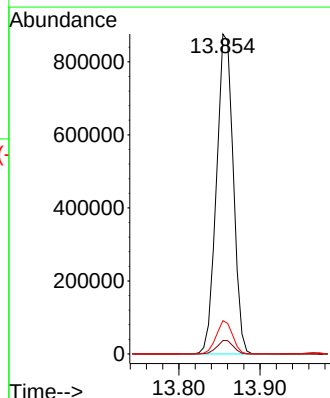
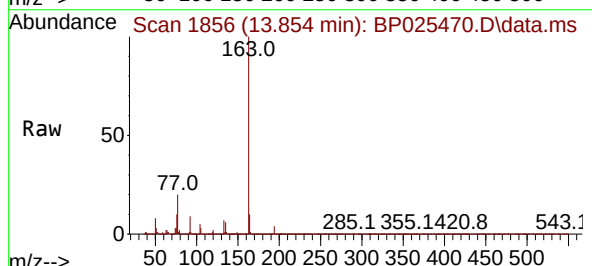
Tgt Ion:163 Resp: 1256809

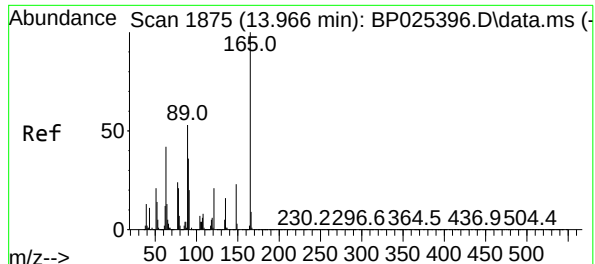
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.4 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 41.441 ng

RT: 13.966 min Scan# 1875

Delta R.T. -0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

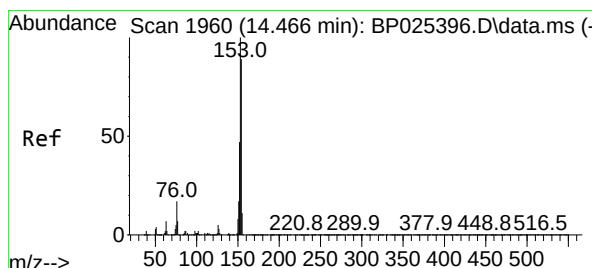
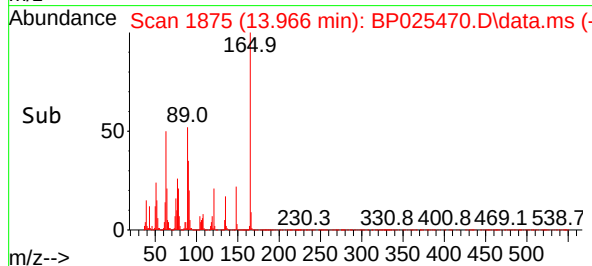
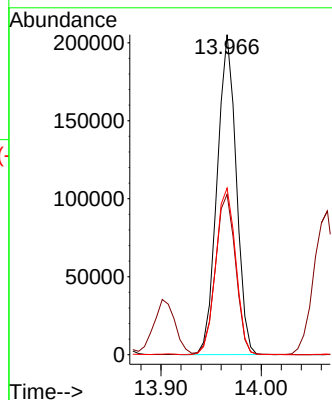
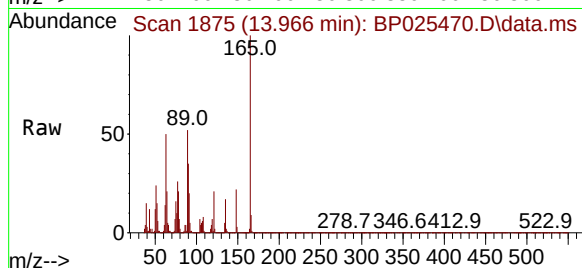
Tgt Ion:165 Resp: 271520

Ion Ratio Lower Upper

165 100

63 50.1 40.9 61.3

89 52.1 42.1 63.1



#52

Acenaphthene

Concen: 39.829 ng

RT: 14.460 min Scan# 1959

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

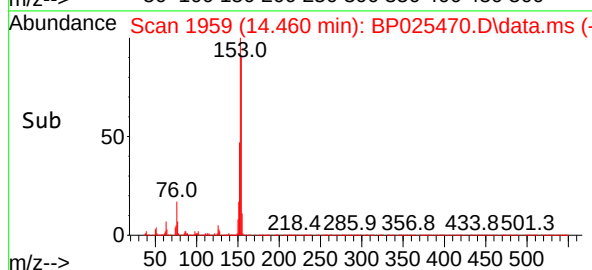
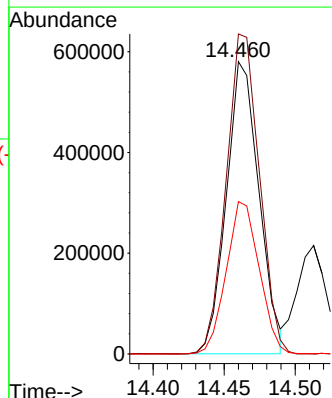
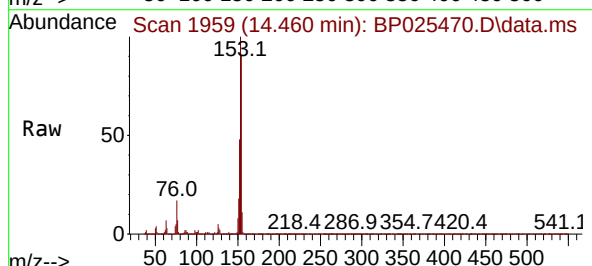
Tgt Ion:154 Resp: 928473

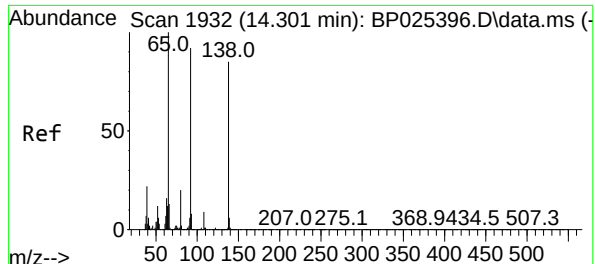
Ion Ratio Lower Upper

154 100

153 109.5 90.2 135.2

152 52.1 42.1 63.1

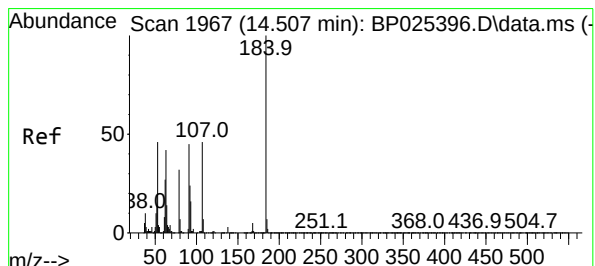
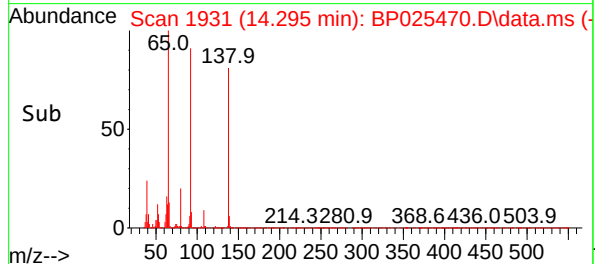
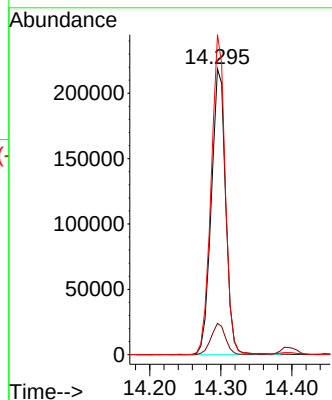
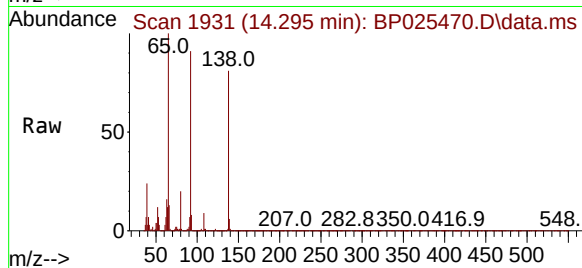




#53
3-Nitroaniline
Concen: 41.575 ng
RT: 14.295 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

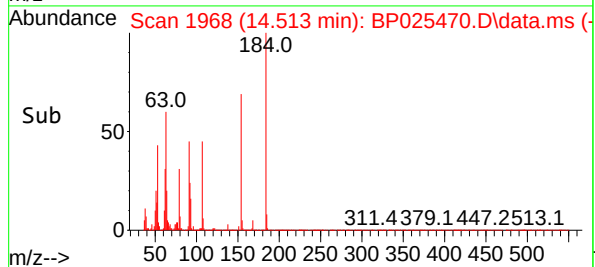
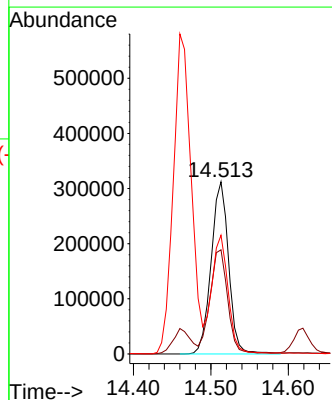
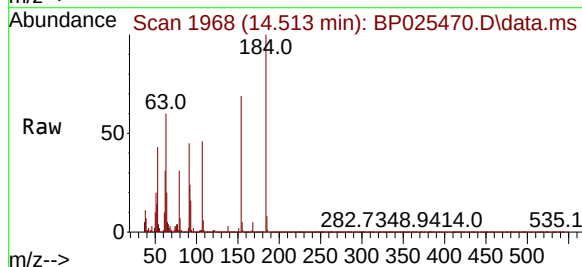
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

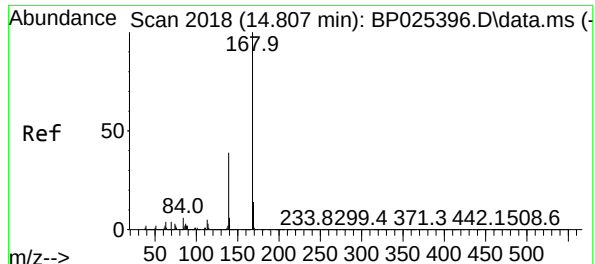
Tgt Ion:138 Resp: 306476
Ion Ratio Lower Upper
138 100
108 11.0 8.3 12.5
92 112.0 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 139.827 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:184 Resp: 489247
Ion Ratio Lower Upper
184 100
63 60.5 49.4 74.2
154 68.9 54.6 82.0





#55

Dibenzenofuran

Concen: 39.788 ng

RT: 14.801 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

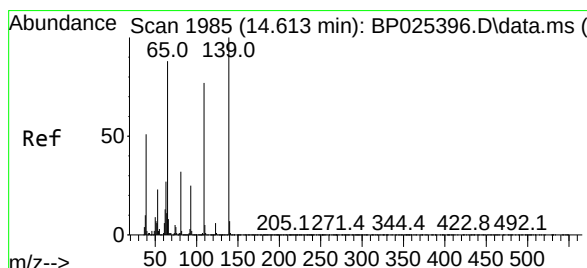
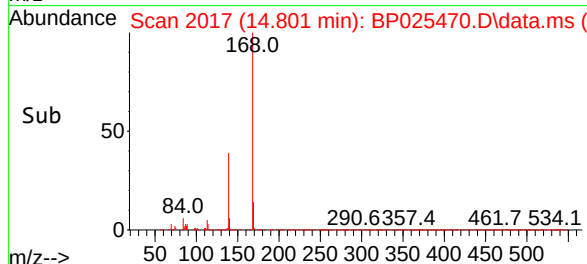
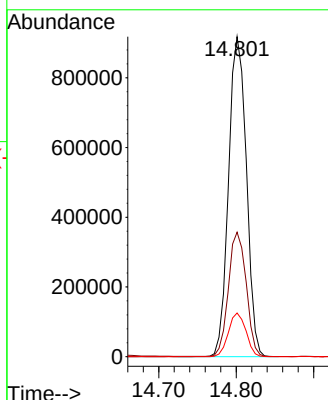
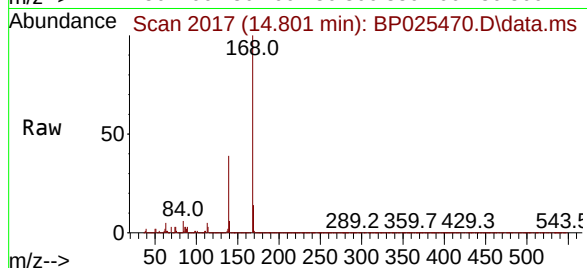
Tgt Ion:168 Resp: 1466415

Ion Ratio Lower Upper

168 100

139 38.9 31.5 47.3

169 13.6 10.9 16.3



#56

4-Nitrophenol

Concen: 40.915 ng

RT: 14.619 min Scan# 1986

Delta R.T. 0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

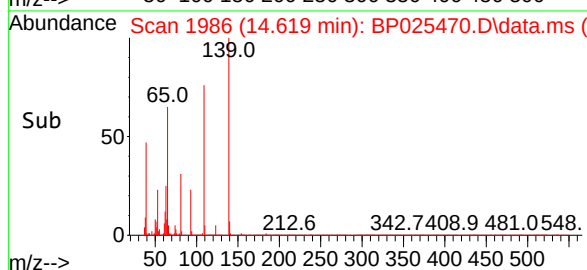
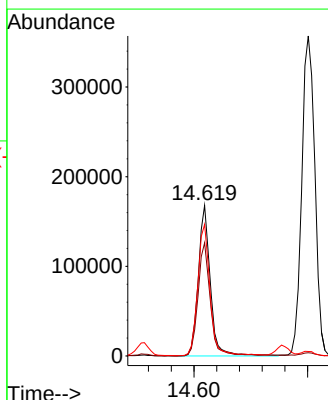
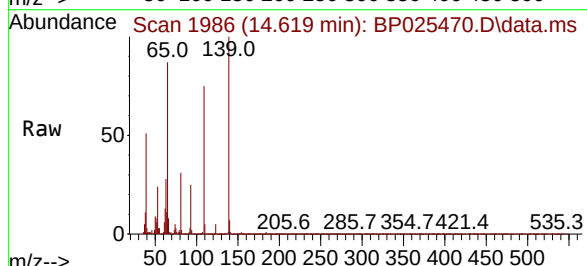
Tgt Ion:139 Resp: 247845

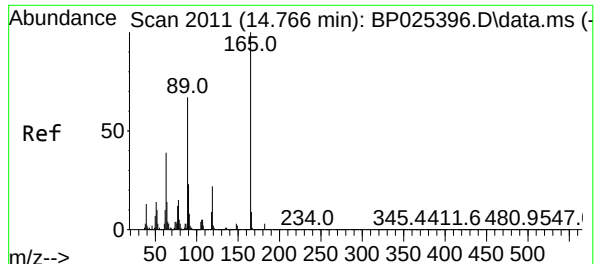
Ion Ratio Lower Upper

139 100

109 75.2 56.6 96.6

65 87.3 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 42.517 ng

RT: 14.760 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 397449

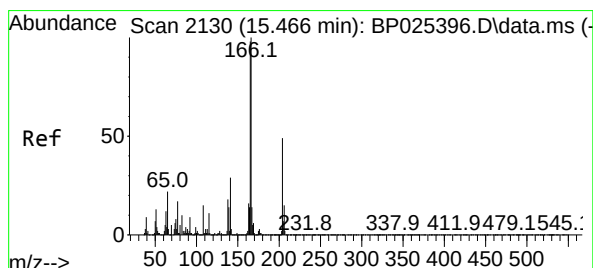
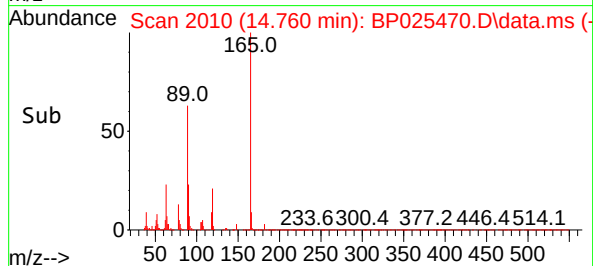
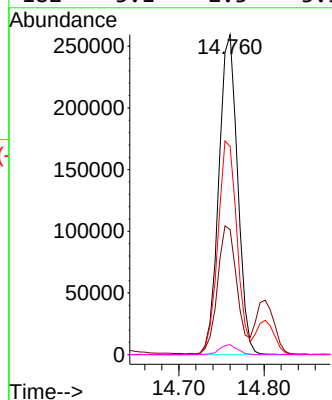
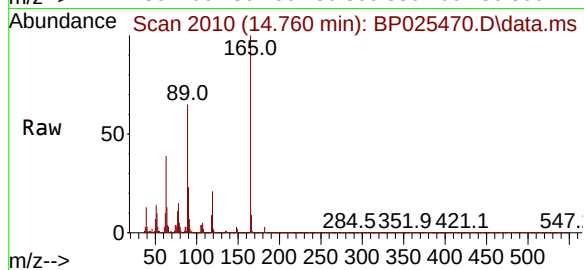
Ion Ratio Lower Upper

165 100

63 39.1 31.4 47.2

89 65.0 53.3 79.9

182 3.1 2.3 3.5



#58

Fluorene

Concen: 39.664 ng

RT: 15.460 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

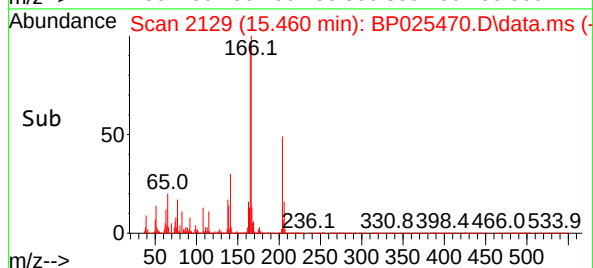
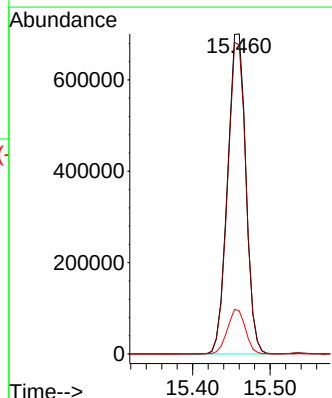
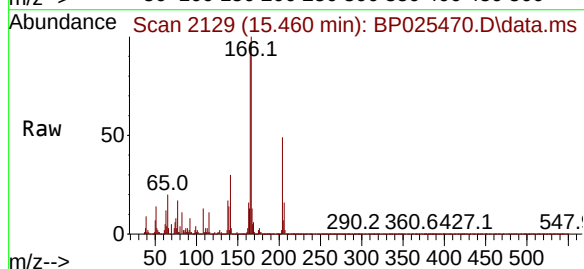
Tgt Ion:166 Resp: 1153488

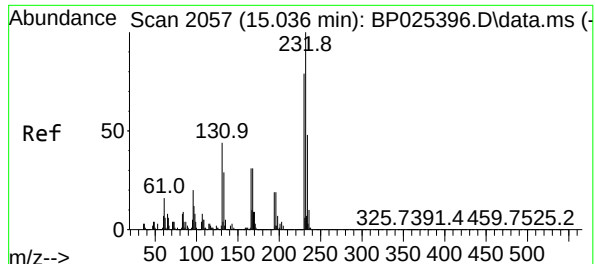
Ion Ratio Lower Upper

166 100

165 96.6 78.8 118.2

167 13.5 11.0 16.4

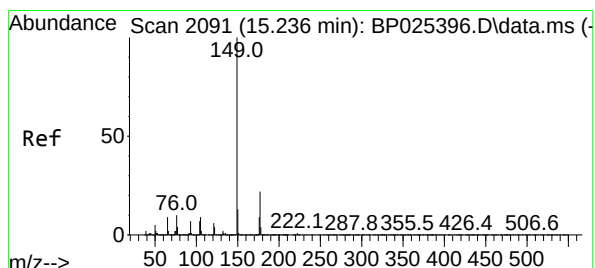
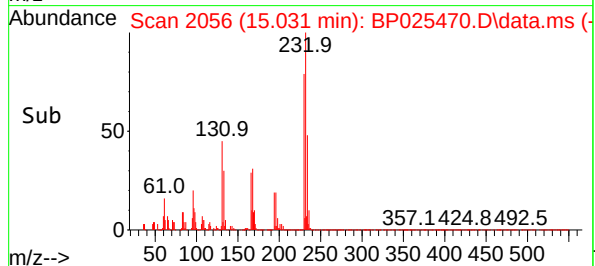
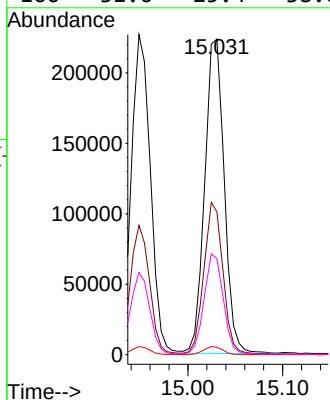
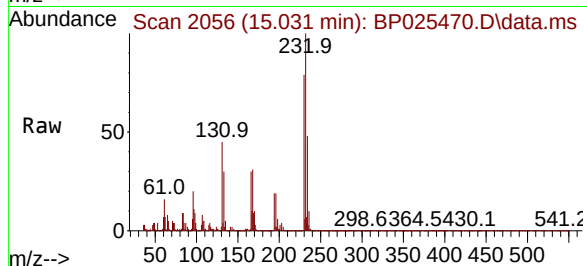




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.893 ng
RT: 15.031 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

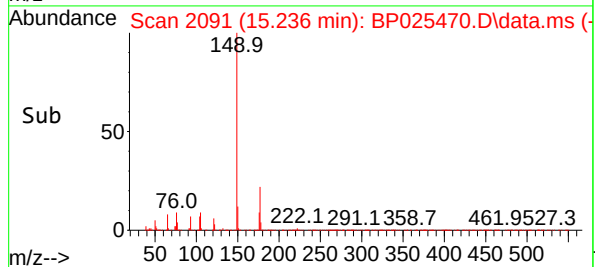
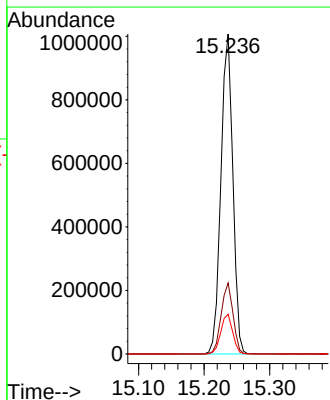
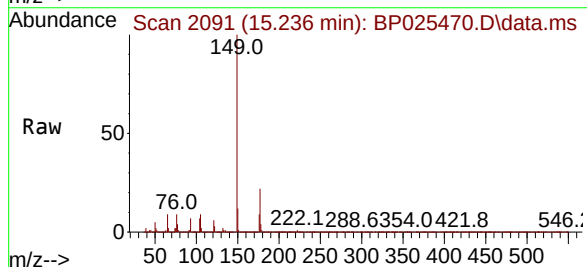
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

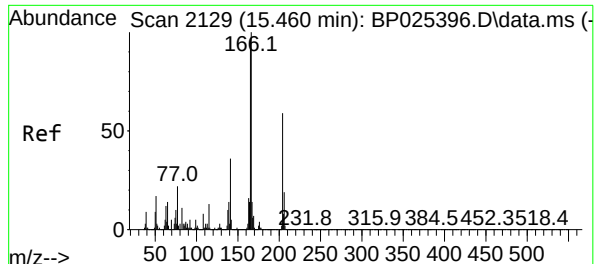
Tgt Ion:232 Resp: 319534
Ion Ratio Lower Upper
232 100
131 47.1 37.0 55.6
130 2.6 1.9 2.9
166 31.6 25.4 38.0



#60
Diethylphthalate
Concen: 39.974 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:149 Resp: 1262633
Ion Ratio Lower Upper
149 100
177 22.2 17.3 25.9
150 12.4 10.3 15.5

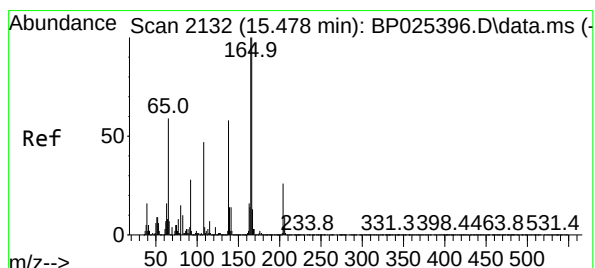
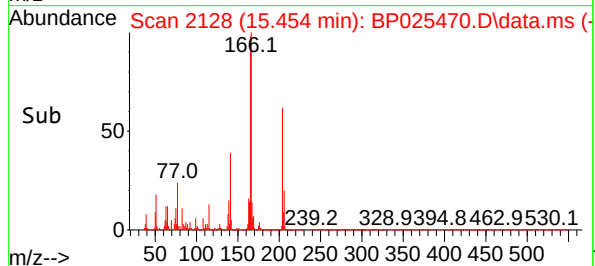
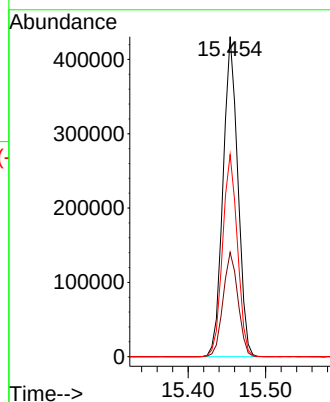
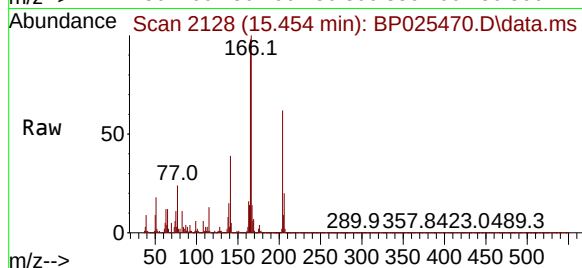




#61
4-Chlorophenyl-phenylether
Concen: 39.536 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

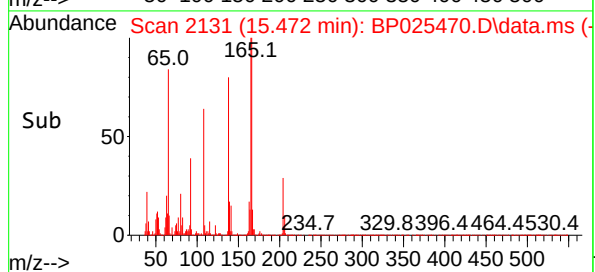
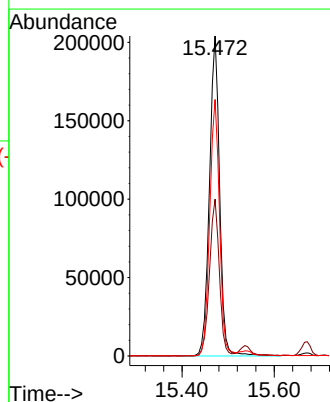
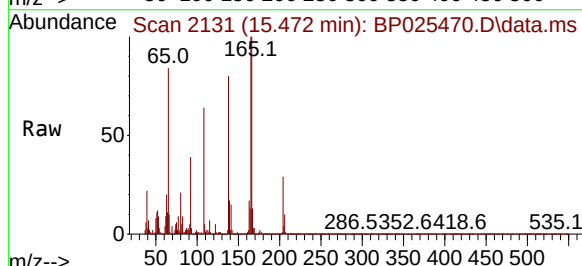
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

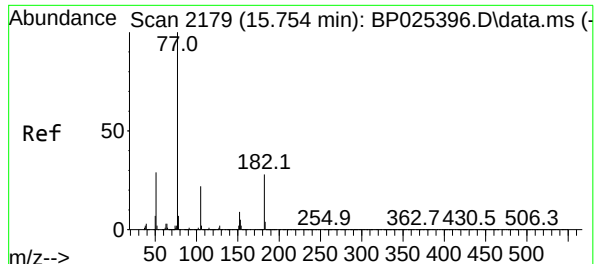
Tgt Ion:204 Resp: 571831
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.8
141 63.2 49.4 74.2



#62
4-Nitroaniline
Concen: 41.774 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:138 Resp: 315690
Ion Ratio Lower Upper
138 100
92 49.0 29.1 69.1
108 80.2 61.5 101.5





#63

Azobenzene

Concen: 41.912 ng

RT: 15.754 min Scan# 2179

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 1133555

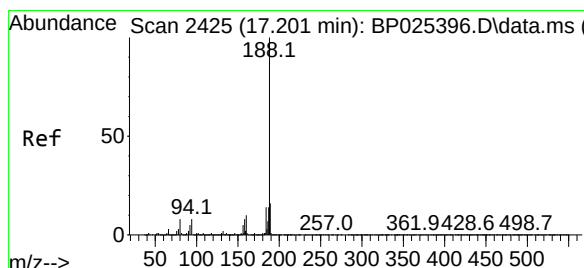
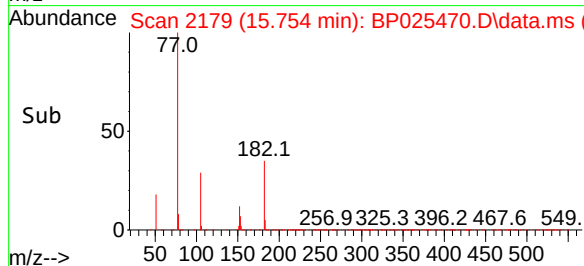
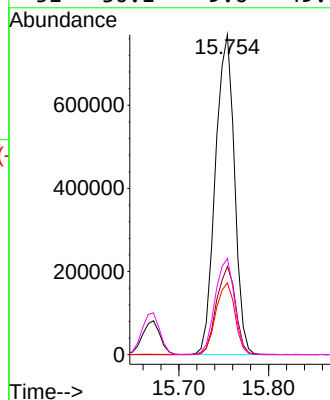
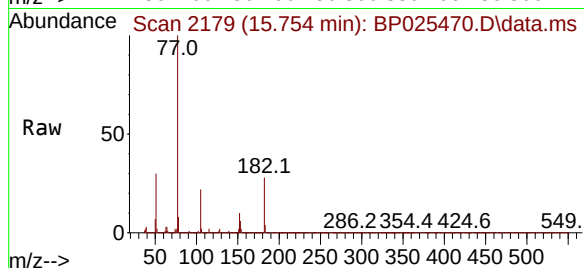
Ion Ratio Lower Upper

77 100

182 27.6 7.5 47.5

105 22.5 2.1 42.1

51 30.1 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

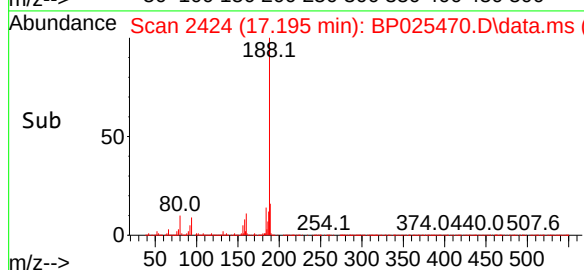
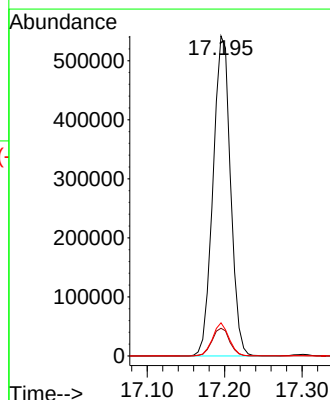
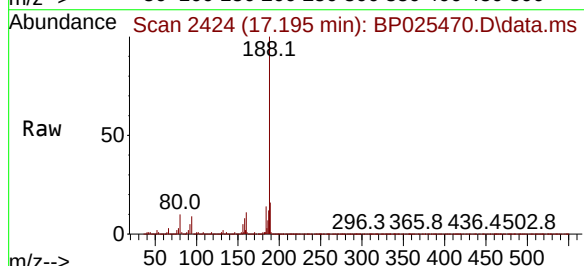
Tgt Ion:188 Resp: 850052

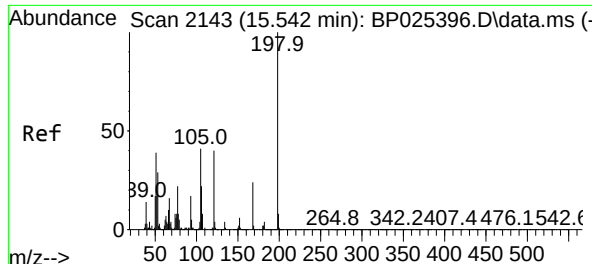
Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 10.4 6.7 10.1#





#65

4,6-Dinitro-2-methylphenol

Concen: 81.708 ng

RT: 15.536 min Scan# 2142

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

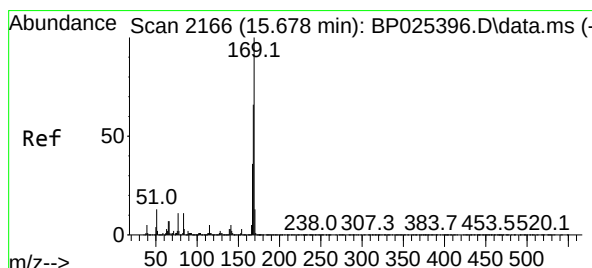
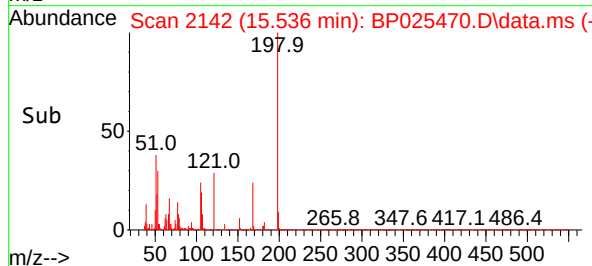
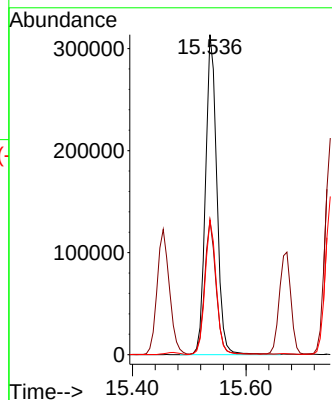
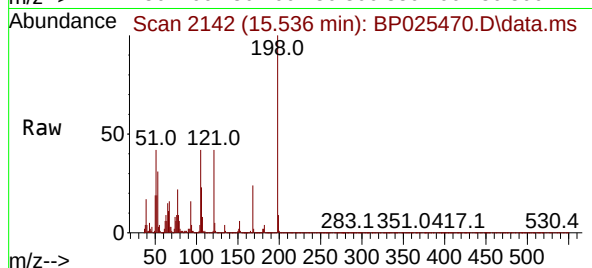
Tgt Ion:198 Resp: 432956

Ion Ratio Lower Upper

198 100

51 42.1 19.6 59.6

105 42.0 20.9 60.9



#66

n-Nitrosodiphenylamine

Concen: 39.858 ng

RT: 15.672 min Scan# 2165

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

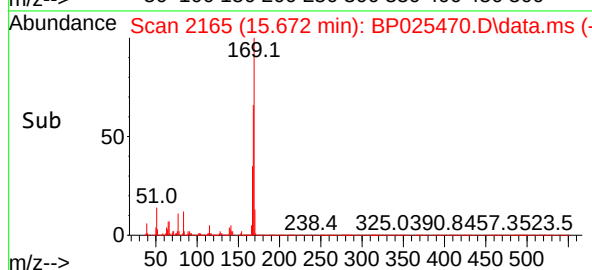
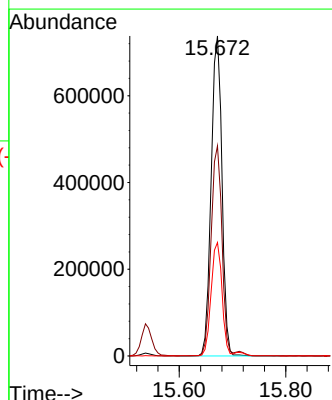
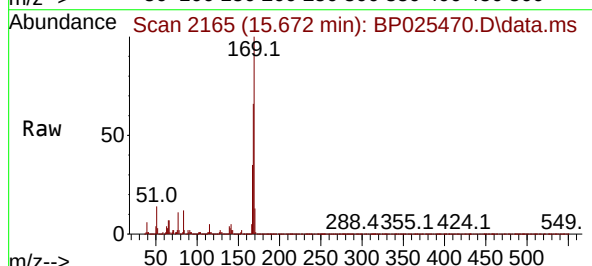
Tgt Ion:169 Resp: 1033192

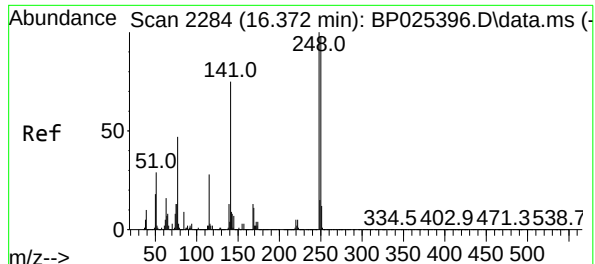
Ion Ratio Lower Upper

169 100

168 65.6 53.2 79.8

167 35.5 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 39.458 ng

RT: 16.366 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

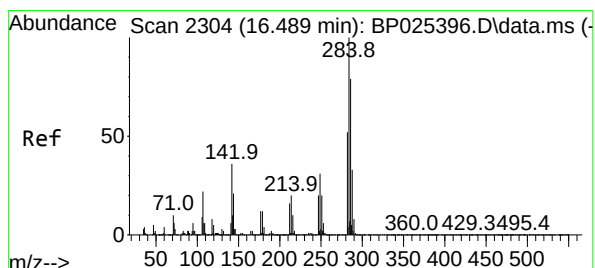
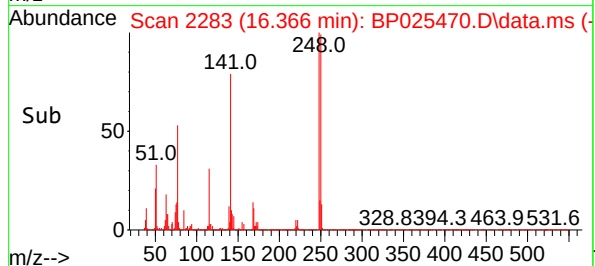
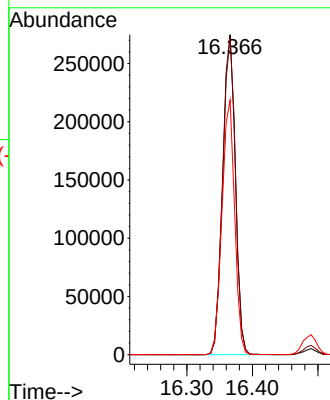
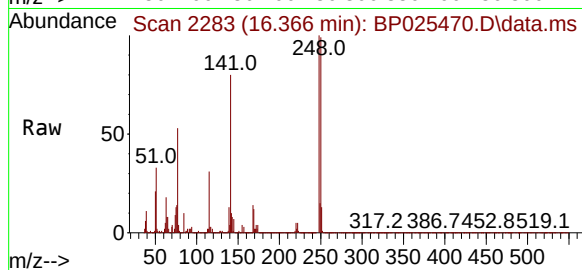
Tgt Ion:248 Resp: 368889

Ion Ratio Lower Upper

248 100

250 99.3 78.2 117.2

141 79.6 59.6 89.4



#68

Hexachlorobenzene

Concen: 40.251 ng

RT: 16.489 min Scan# 2304

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

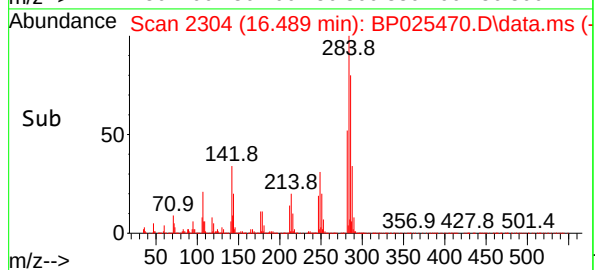
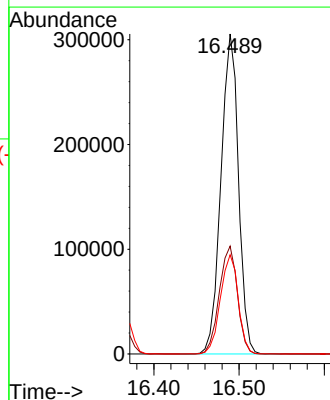
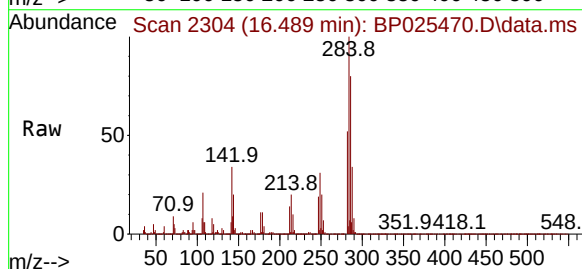
Tgt Ion:284 Resp: 436215

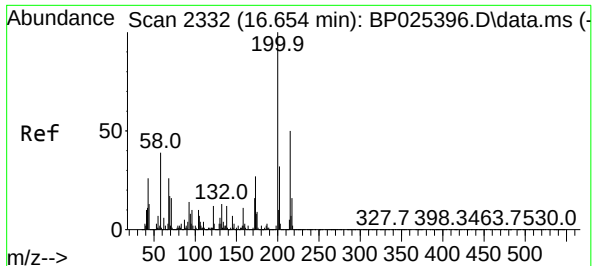
Ion Ratio Lower Upper

284 100

142 33.7 29.1 43.7

249 31.0 25.0 37.4

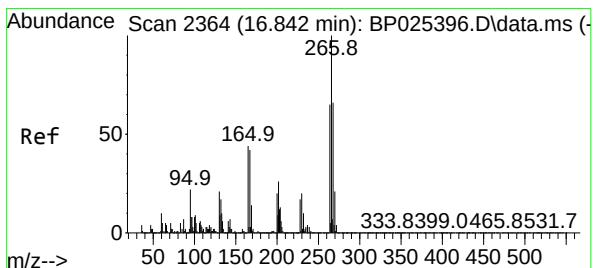
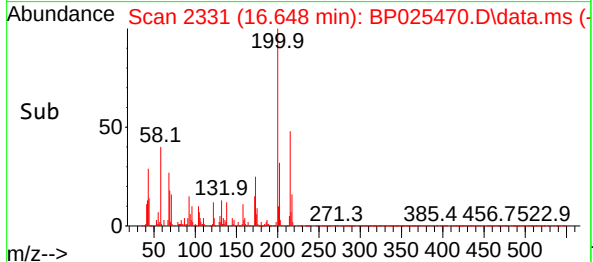
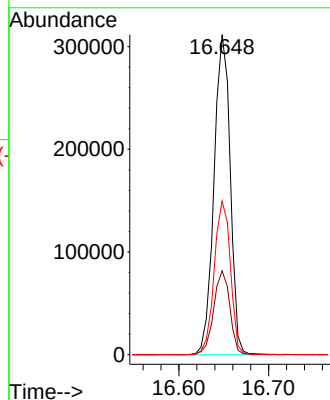
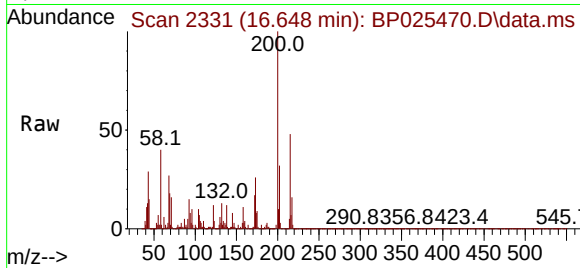




#69
Atrazine
Concen: 40.298 ng
RT: 16.648 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

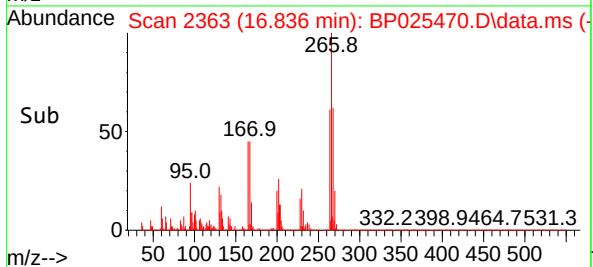
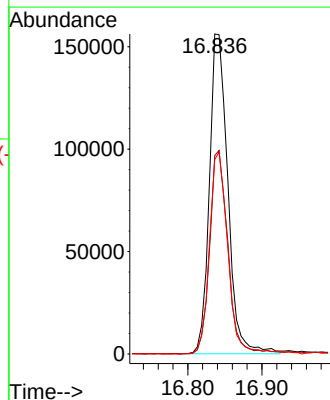
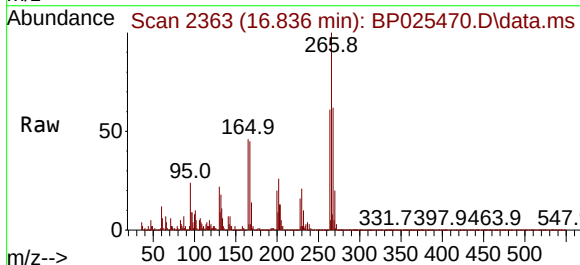
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

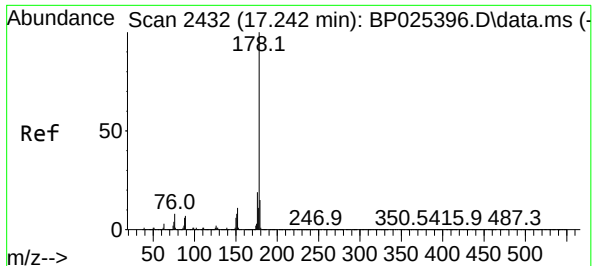
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.7	46.7
215	48.1	29.7	69.7



#70
Pentachlorophenol
Concen: 39.549 ng
RT: 16.836 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.0	52.6	79.0
264	60.8	52.0	78.0

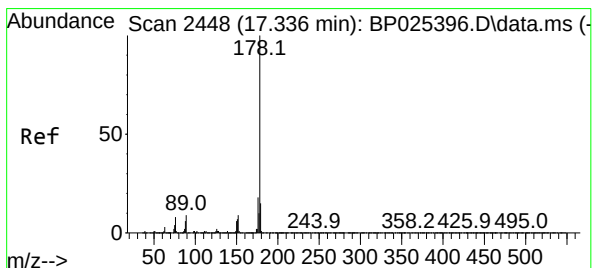
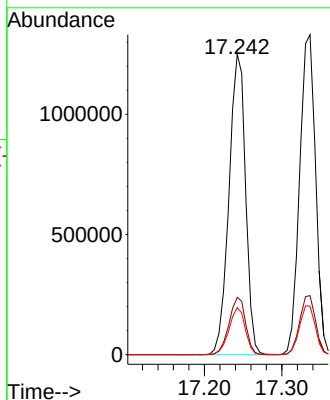
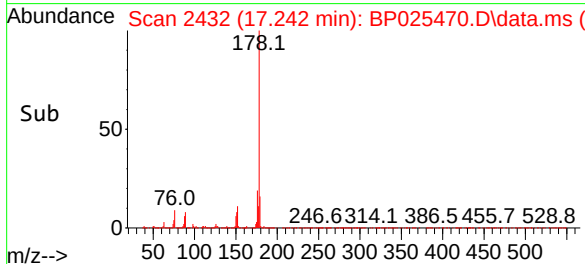
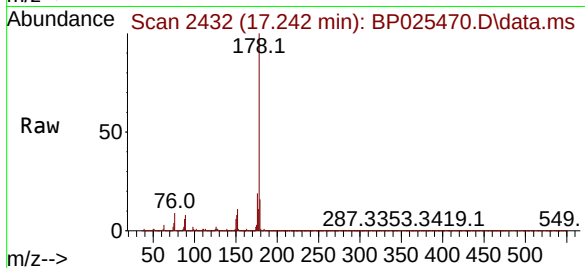




#71
Phenanthrene
Concen: 39.881 ng
RT: 17.242 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

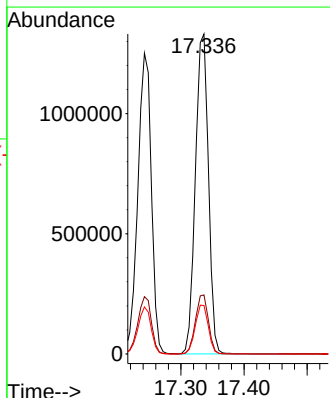
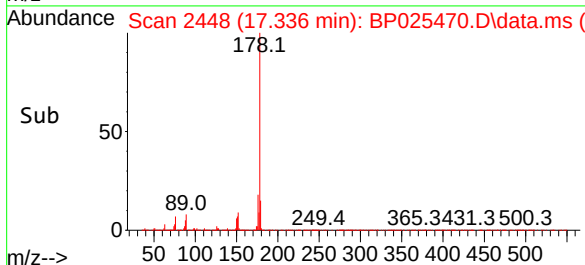
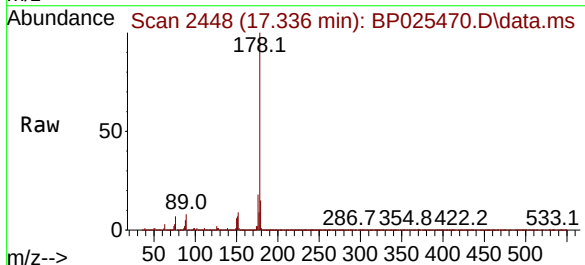
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

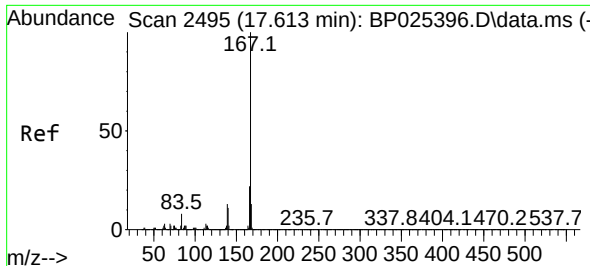
Tgt Ion:178 Resp: 1862283
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.7 12.2 18.4



#72
Anthracene
Concen: 39.998 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:178 Resp: 1907331
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.1 12.2 18.2

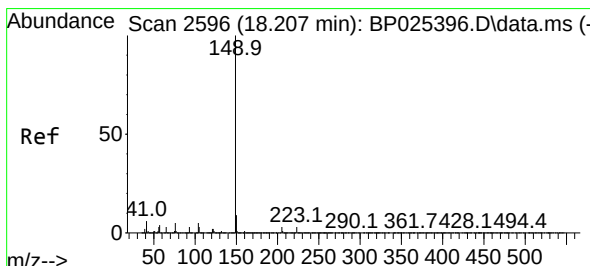
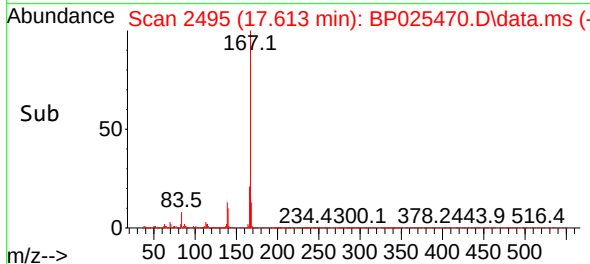
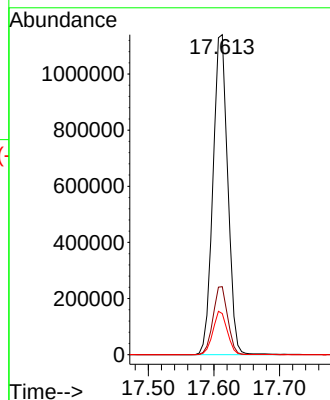
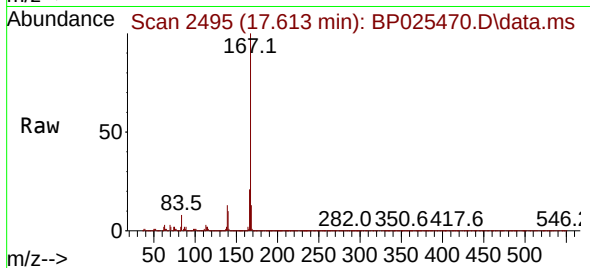




#73
Carbazole
Concen: 39.727 ng
RT: 17.613 min Scan# 2495
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

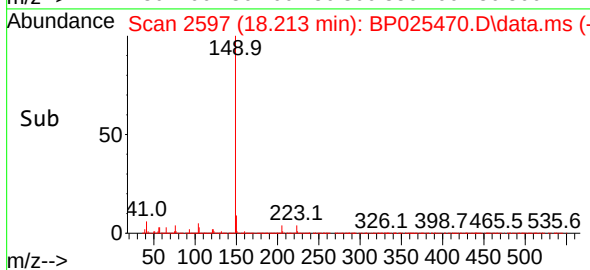
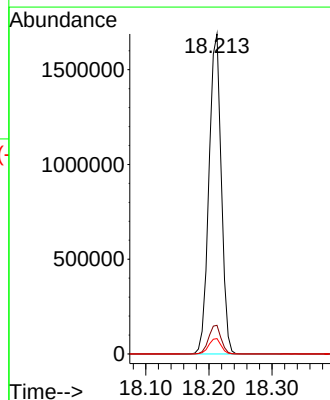
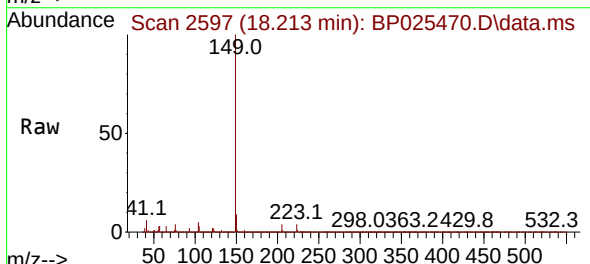
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

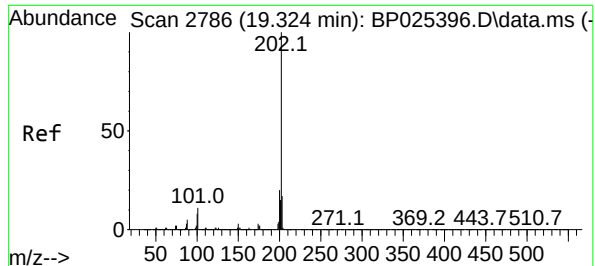
Tgt Ion:167 Resp: 1784377
Ion Ratio Lower Upper
167 100
166 21.3 17.5 26.3
139 12.9 10.6 16.0



#74
Di-n-butylphthalate
Concen: 41.367 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:149 Resp: 2286022
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.0
104 4.8 4.2 6.2

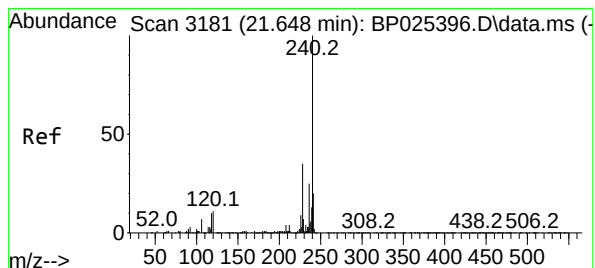
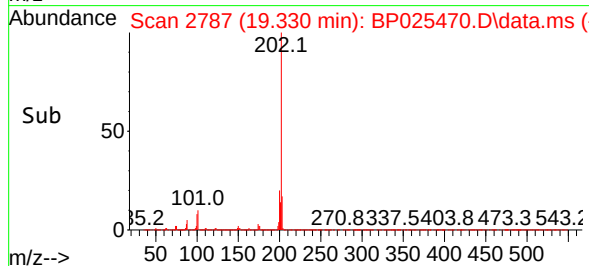
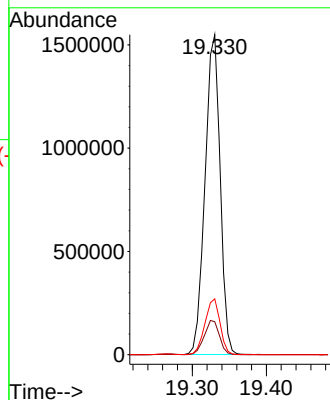
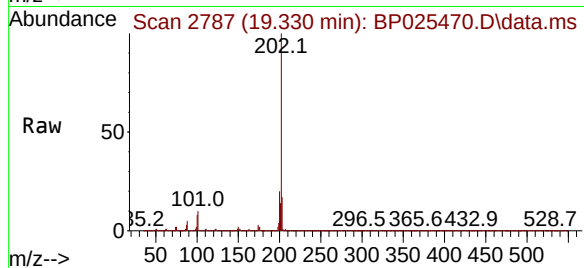




#75
Fluoranthene
Concen: 39.397 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

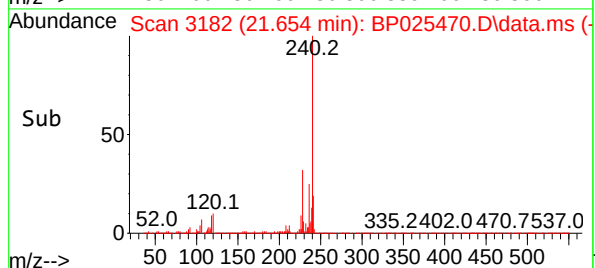
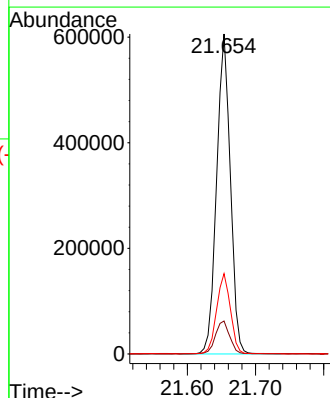
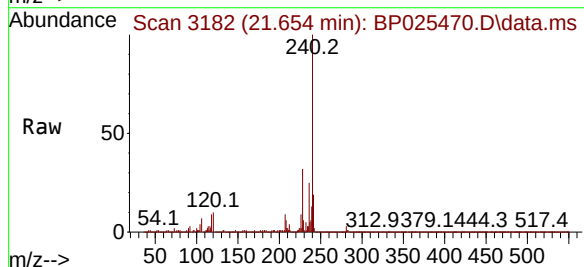
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

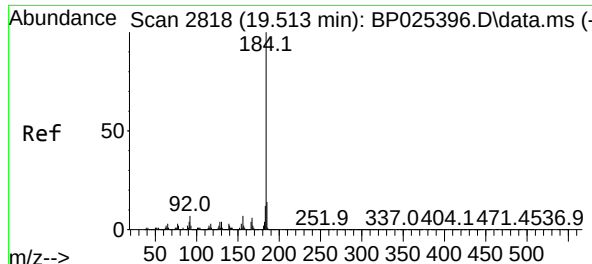
Tgt Ion:202 Resp: 2194437
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.1
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:240 Resp: 848020
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.1 19.8 29.8

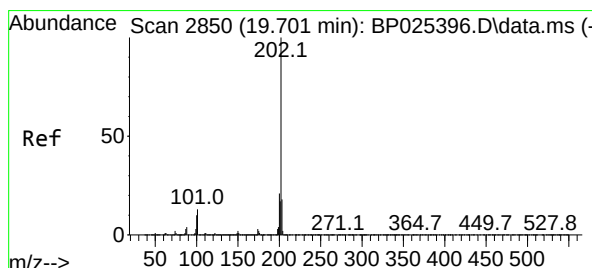
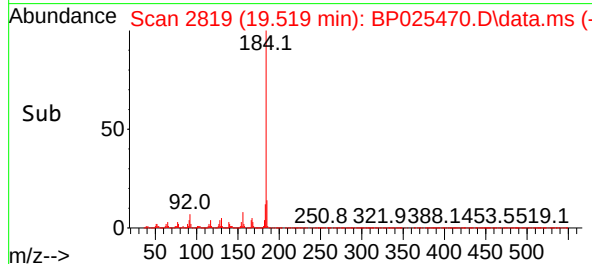
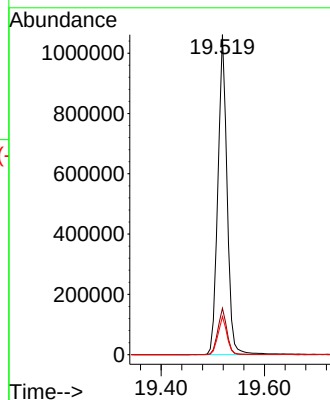
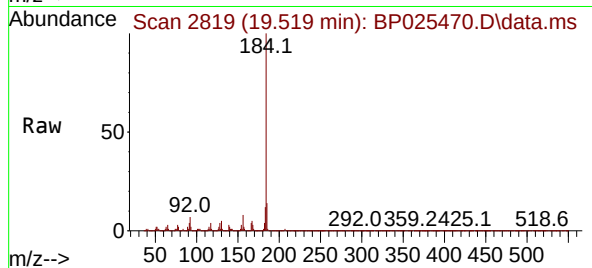




#77
Benzidine
Concen: 45.160 ng
RT: 19.519 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

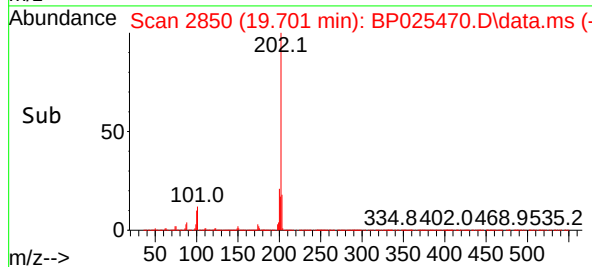
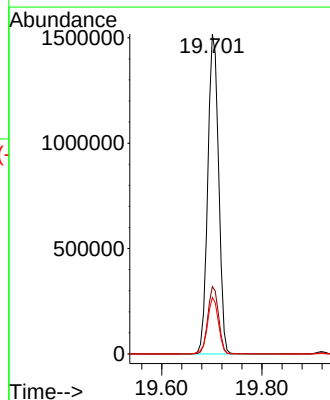
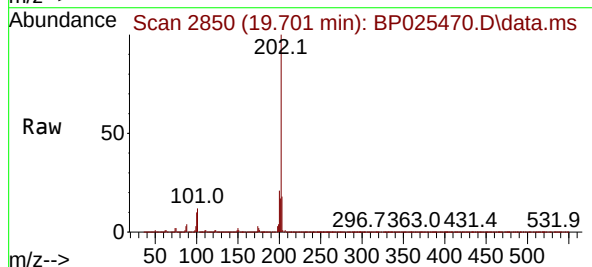
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

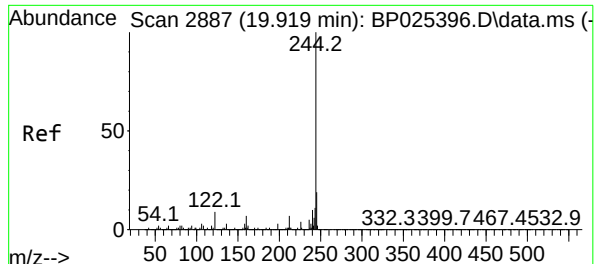
Tgt Ion:184 Resp: 1306974
Ion Ratio Lower Upper
184 100
185 14.5 11.5 17.3
183 11.9 9.4 14.2



#78
Pyrene
Concen: 41.296 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:202 Resp: 2276181
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 79.985 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

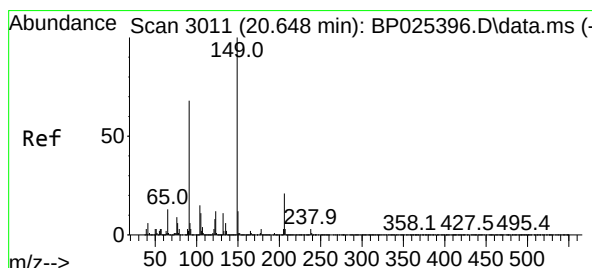
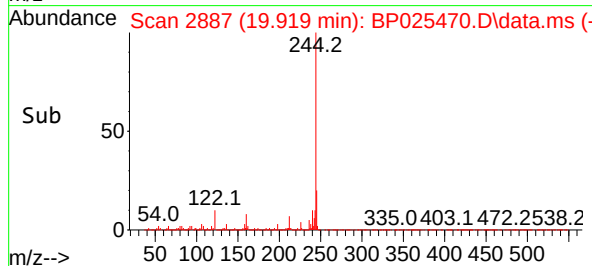
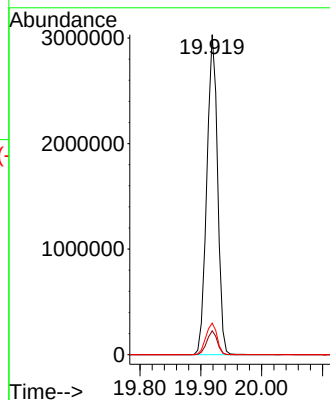
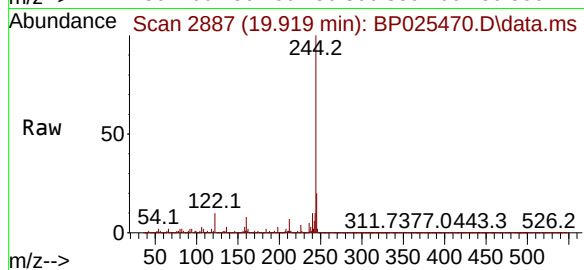
Tgt Ion:244 Resp: 3707367

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 9.9 7.4 11.2



#80

Butylbenzylphthalate

Concen: 41.807 ng

RT: 20.660 min Scan# 3013

Delta R.T. 0.012 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

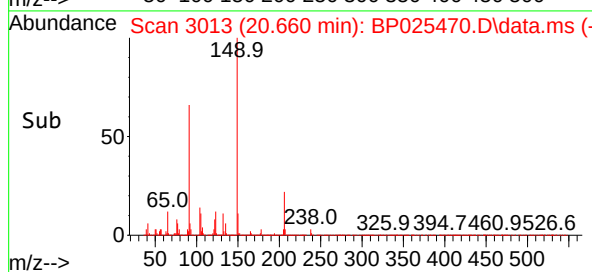
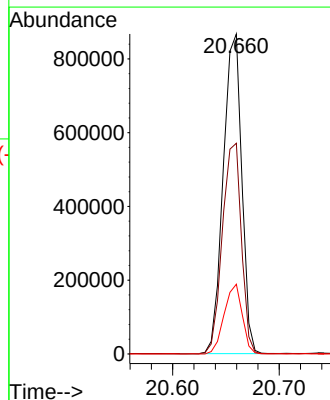
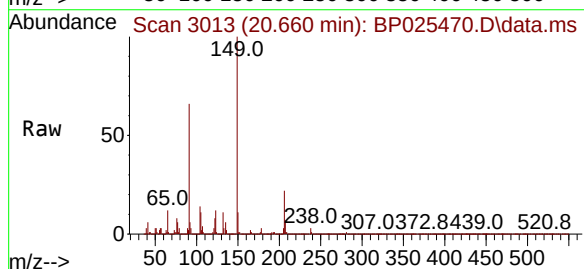
Tgt Ion:149 Resp: 1044362

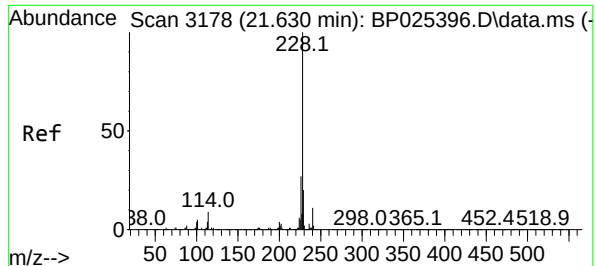
Ion Ratio Lower Upper

149 100

91 65.8 54.2 81.2

206 21.8 16.6 24.8

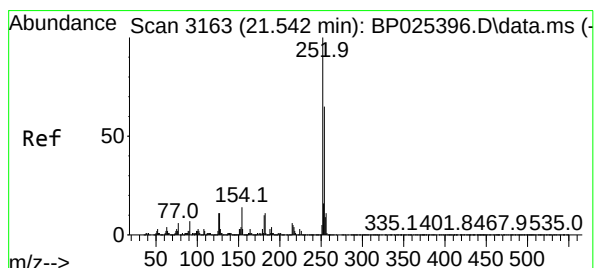
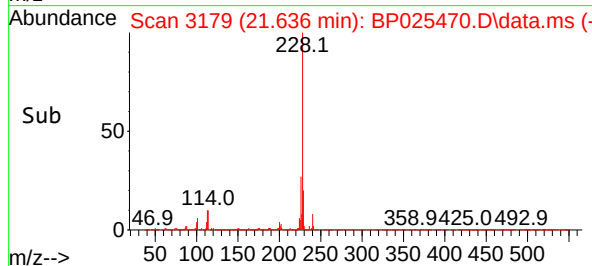
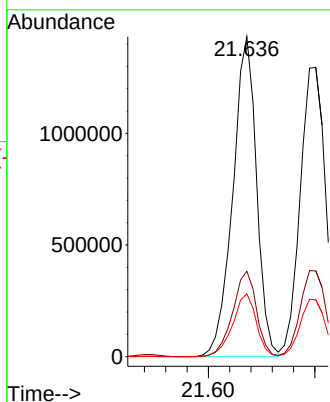
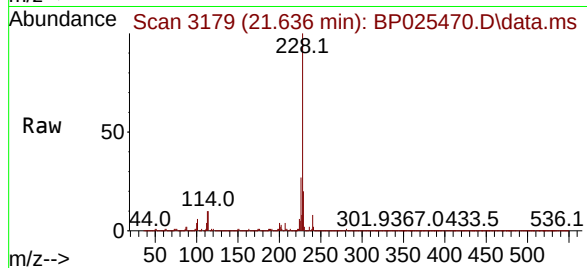




#81
Benzo(a)anthracene
Concen: 39.644 ng
RT: 21.636 min Scan# 3179
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

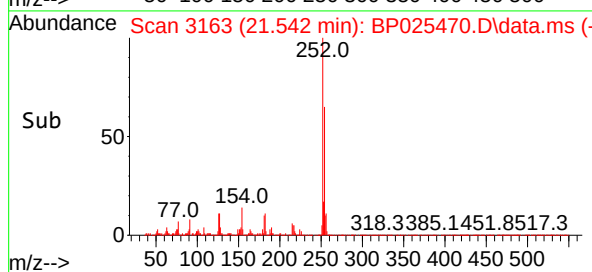
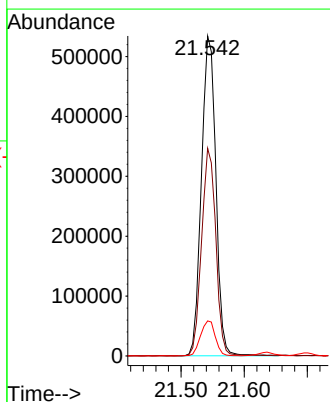
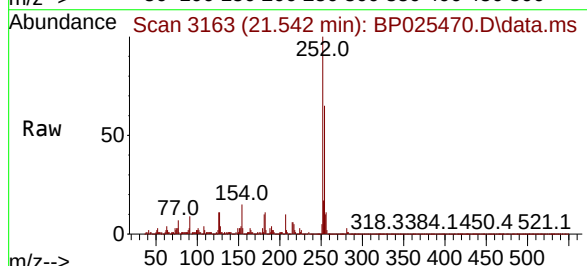
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

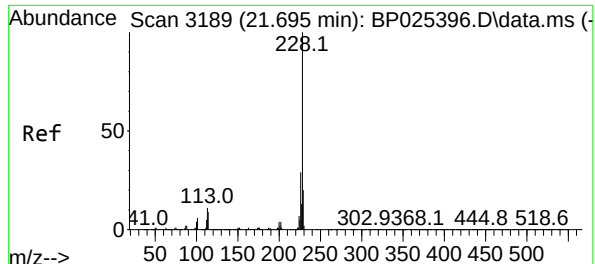
Tgt Ion:228 Resp: 2217188
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 19.7 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 40.253 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:252 Resp: 848549
Ion Ratio Lower Upper
252 100
254 64.9 51.8 77.6
126 11.0 9.1 13.7





#83

Chrysene

Concen: 40.684 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

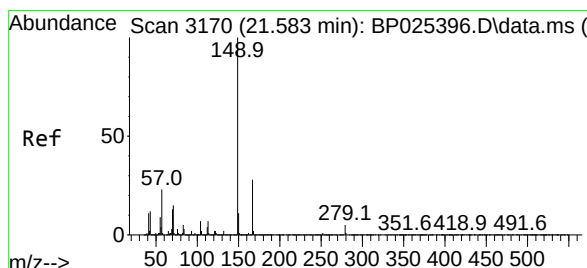
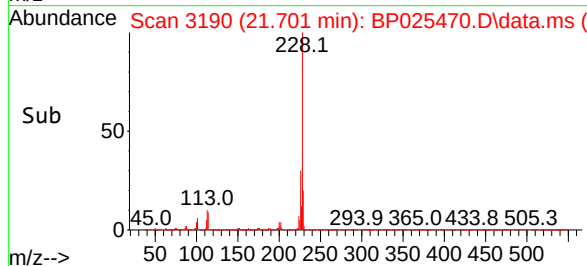
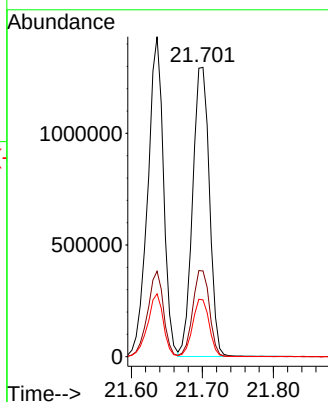
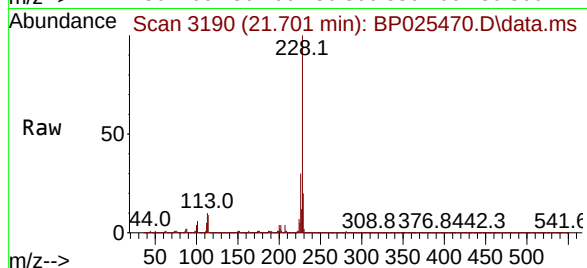
Tgt Ion:228 Resp: 2130864

Ion Ratio Lower Upper

228 100

226 29.6 23.2 34.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.834 ng

RT: 21.566 min Scan# 3167

Delta R.T. -0.018 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

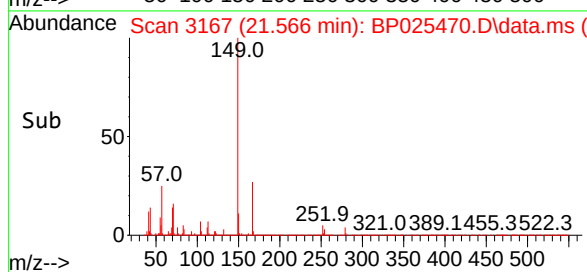
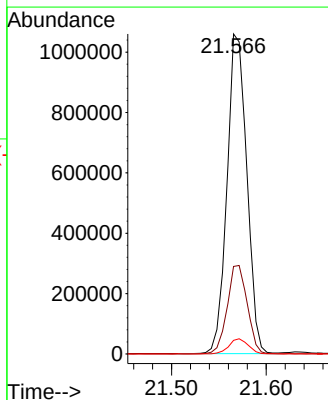
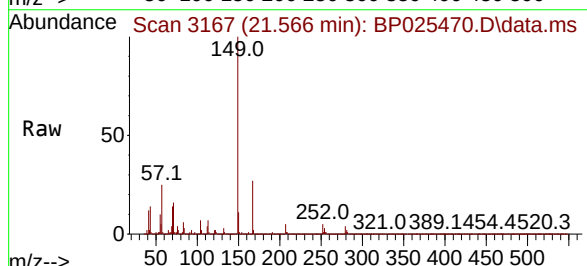
Tgt Ion:149 Resp: 1538326

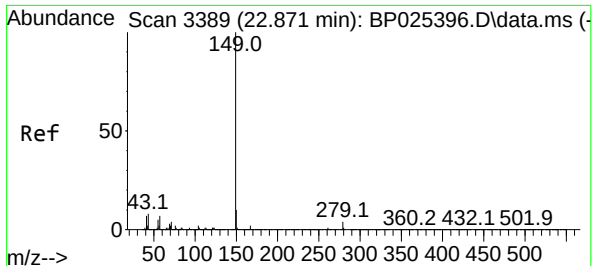
Ion Ratio Lower Upper

149 100

167 27.4 22.1 33.1

279 4.3 3.8 5.6

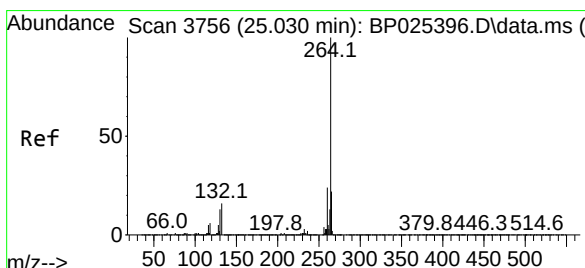
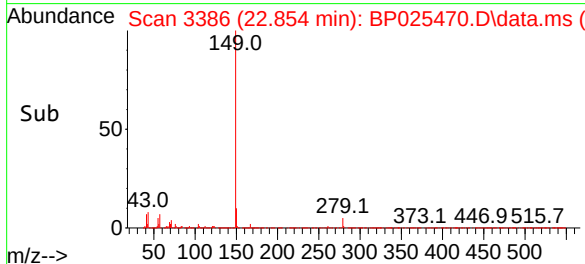
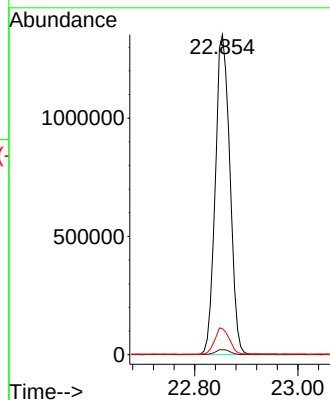
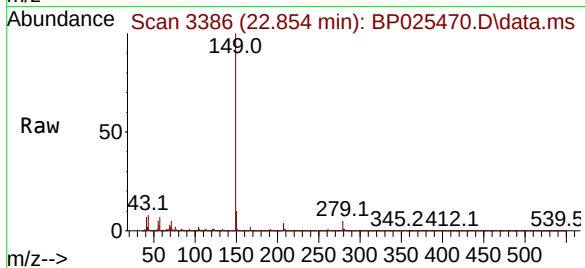




#85
Di-n-octyl phthalate
Concen: 41.781 ng
RT: 22.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

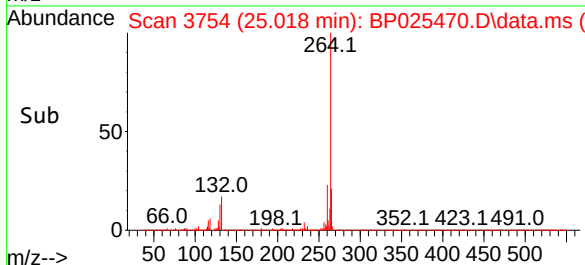
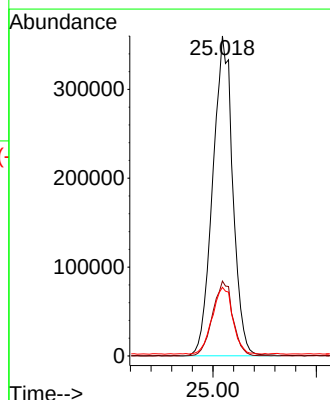
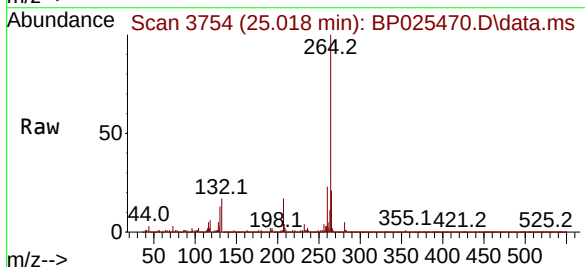
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

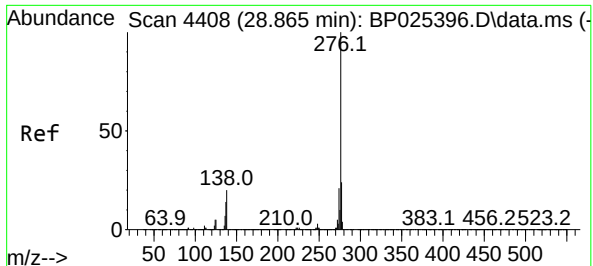
Tgt Ion:149 Resp: 2642675
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.3 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:264 Resp: 967213
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 21.5 17.4 26.0

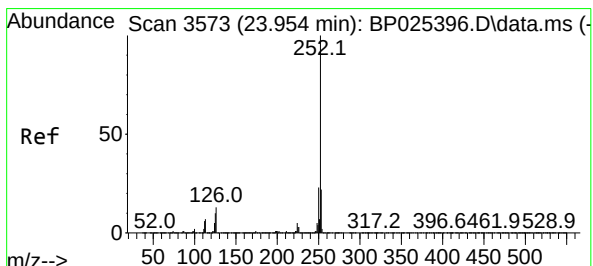
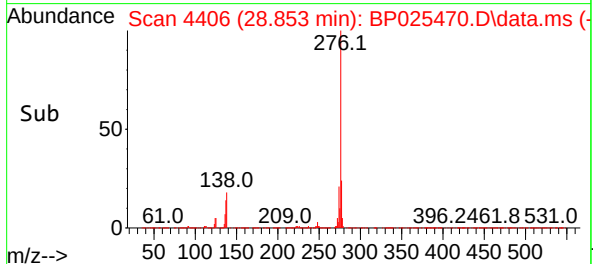
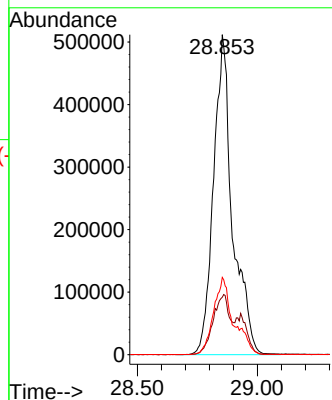
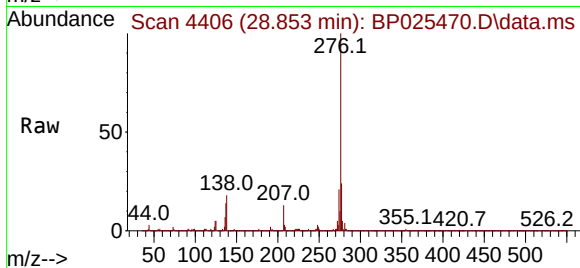




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 39.545 ng
 RT: 28.853 min Scan# 4406
 Delta R.T. -0.012 min
 Lab File: BP025470.D
 Acq: 19 Aug 2025 10:44

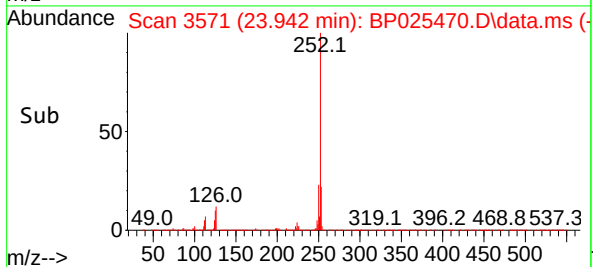
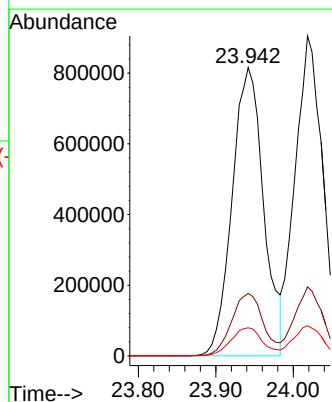
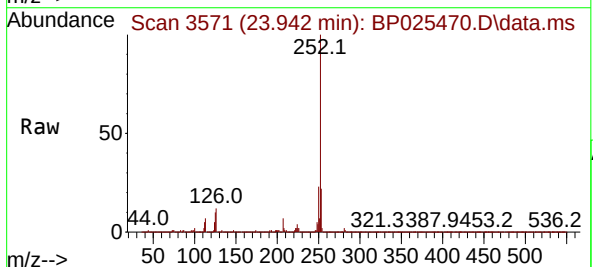
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

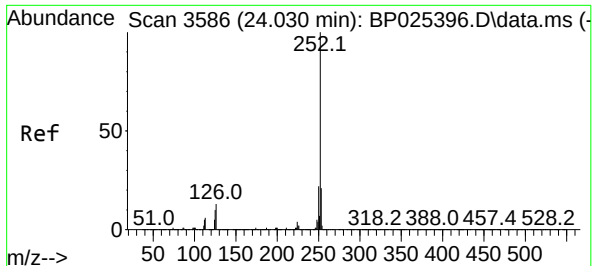
Tgt Ion:276 Resp: 2804996
 Ion Ratio Lower Upper
 276 100
 138 17.4 12.9 19.3
 277 25.4 17.0 25.6



#88
 Benzo(b)fluoranthene
 Concen: 40.474 ng
 RT: 23.942 min Scan# 3571
 Delta R.T. -0.012 min
 Lab File: BP025470.D
 Acq: 19 Aug 2025 10:44

Tgt Ion:252 Resp: 2308389
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.7 26.5
 125 9.7 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 39.073 ng

RT: 24.018 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

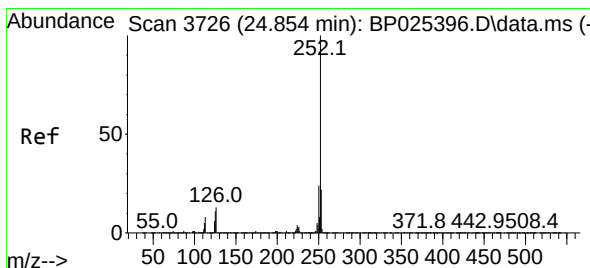
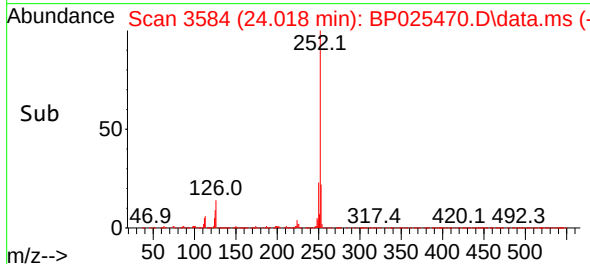
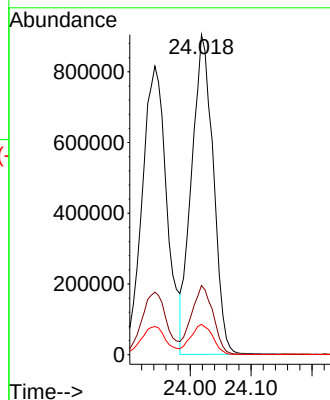
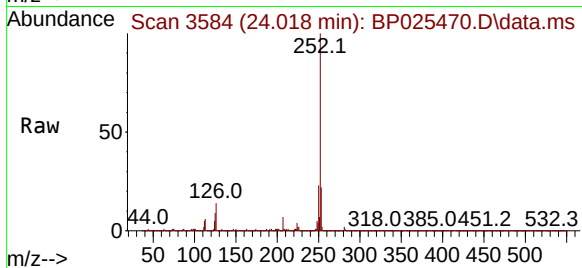
Tgt Ion:252 Resp: 2229990

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 9.4 7.8 11.6



#90

Benzo(a)pyrene

Concen: 39.581 ng

RT: 24.859 min Scan# 3727

Delta R.T. 0.006 min

Lab File: BP025470.D

Acq: 19 Aug 2025 10:44

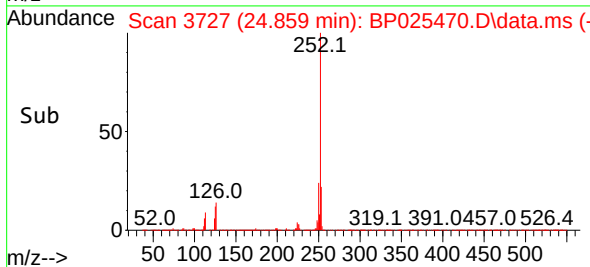
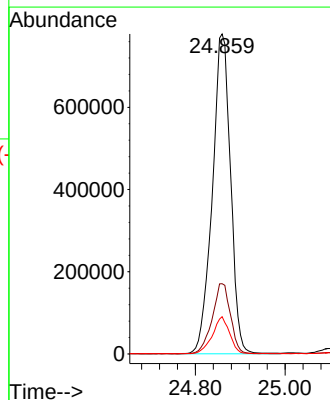
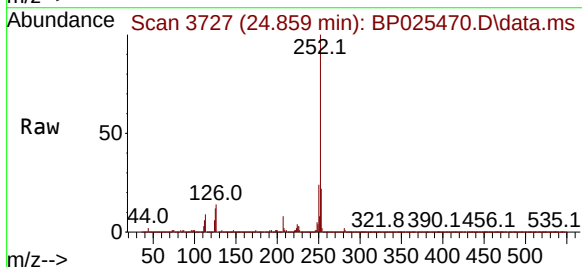
Tgt Ion:252 Resp: 2197471

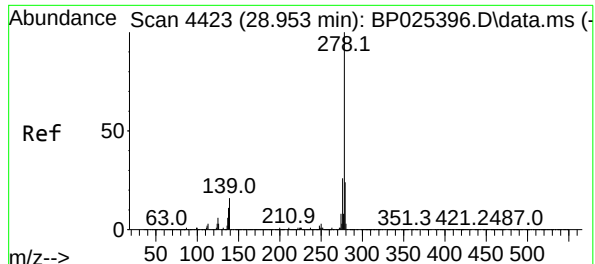
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.6 8.7 13.1

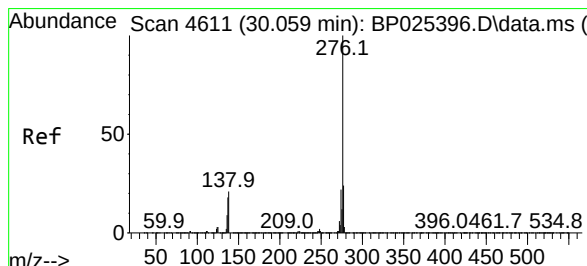
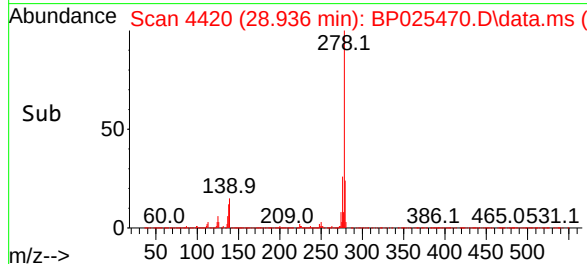
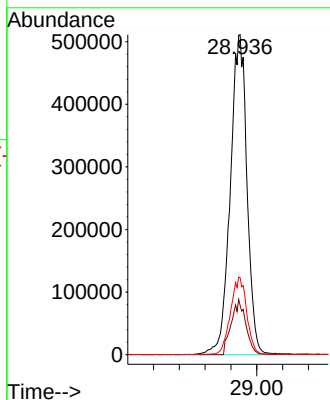
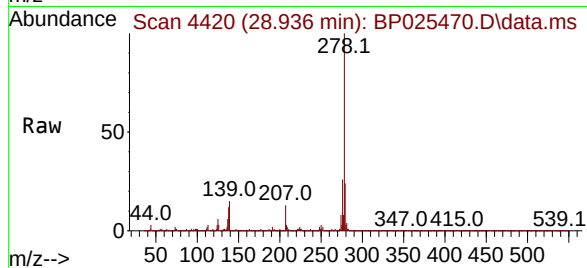




#91
Dibenzo(a,h)anthracene
Concen: 39.676 ng
RT: 28.936 min Scan# 4423
Delta R.T. -0.018 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

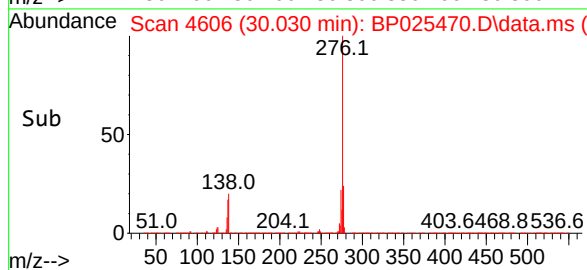
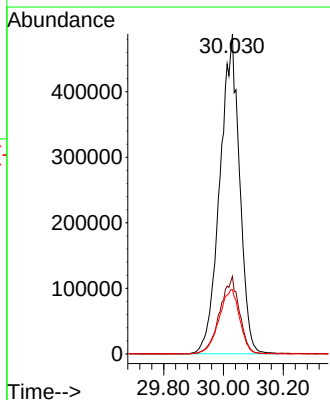
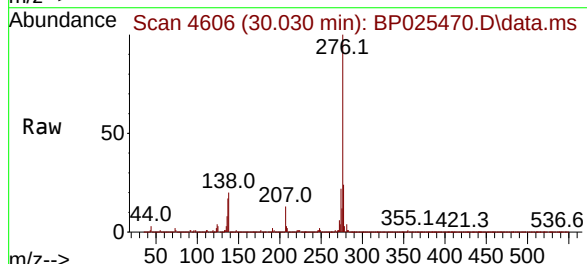
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2299829
Ion Ratio Lower Upper
278 100
139 15.4 13.0 19.4
279 24.1 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 39.074 ng
RT: 30.030 min Scan# 4606
Delta R.T. -0.029 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:276 Resp: 2226412
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.0
138 20.1 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	-0.01
2	1,4-Dioxane	0.472	0.475	-0.6	103	0.00
3	Pyridine	1.291	1.297	-0.5	103	0.00
4	n-Nitrosodimethylamine	0.532	0.569	-7.0	107	0.00
5 S	2-Fluorophenol	1.204	1.229	-2.1	102	0.00
6	Aniline	2.080	2.085	-0.2	100	0.00
7 S	Phenol-d6	1.544	1.586	-2.7	101	0.00
8	2-Chlorophenol	1.359	1.372	-1.0	101	0.00
9	Benzaldehyde	1.082	1.245	-15.1	88	0.00
10 C	Phenol	1.620	1.652	-2.0	101	0.00
11	bis(2-Chloroethyl)ether	1.263	1.272	-0.7	101	0.00
12	1,3-Dichlorobenzene	1.499	1.501	-0.1	100	0.00
13 C	1,4-Dichlorobenzene	1.532	1.544	-0.8	102	-0.01
14	1,2-Dichlorobenzene	1.483	1.477	0.4	100	0.00
15	Benzyl Alcohol	1.227	1.226	0.1	99	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.725	-2.0	103	0.00
17	2-Methylphenol	1.125	1.138	-1.2	99	0.00
18	Hexachloroethane	0.563	0.574	-2.0	102	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	1.012	1.1	99	0.00
20	3+4-Methylphenols	1.560	1.563	-0.2	99	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22	Acetophenone	0.502	0.503	-0.2	99	0.00
23 S	Nitrobenzene-d5	0.395	0.403	-2.0	101	0.00
24	Nitrobenzene	0.353	0.357	-1.1	99	0.00
25	Isophorone	0.700	0.713	-1.9	101	0.00
26 C	2-Nitrophenol	0.181	0.186	-2.8	99	0.00
27	2,4-Dimethylphenol	0.312	0.320	-2.6	99	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.424	-0.2	100	0.00
29 C	2,4-Dichlorophenol	0.310	0.314	-1.3	98	0.00
30	1,2,4-Trichlorobenzene	0.340	0.335	1.5	98	0.00
31	Naphthalene	1.040	1.035	0.5	99	0.00
32	Benzoic acid	0.230	0.396	-72.2#	167#	0.03
33	4-Chloroaniline	0.459	0.464	-1.1	98	0.00
34 C	Hexachlorobutadiene	0.211	0.208	1.4	97	0.00
35	Caprolactam	0.114	0.118	-3.5	103	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.364	-2.5	101	0.00
37	2-Methylnaphthalene	0.676	0.673	0.4	99	0.00
38	1-Methylnaphthalene	0.719	0.714	0.7	100	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	96	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.578	0.569	1.6	98	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.454	-30.1#	126	0.00
42 S	2,4,6-Tribromophenol	0.269	0.273	-1.5	100	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.400	-2.6	101	0.00
44	2,4,5-Trichlorophenol	0.427	0.434	-1.6	98	0.00
45 S	2-Fluorobiphenyl	1.463	1.448	1.0	100	0.00
46	1,1'-Biphenyl	1.453	1.453	0.0	99	0.00
47	2-Chloronaphthalene	1.131	1.118	1.1	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.351	-6.7	102	0.00
49	Acenaphthylene	1.871	1.886	-0.8	100	0.00
50	Dimethylphthalate	1.465	1.480	-1.0	102	0.00
51	2,6-Dinitrotoluene	0.309	0.320	-3.6	100	0.00
52 C	Acenaphthene	1.098	1.094	0.4	101	0.00
53	3-Nitroaniline	0.347	0.361	-4.0	102	0.00
54 P	2,4-Dinitrophenol	0.165	0.576	-249.1#	340#	0.00
55	Dibenzofuran	1.736	1.727	0.5	99	0.00
56 P	4-Nitrophenol	0.285	0.292	-2.5	101	0.00
57	2,4-Dinitrotoluene	0.440	0.468	-6.4	103	0.00
58	Fluorene	1.370	1.359	0.8	100	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.376	0.3	99	0.00
60	Diethylphthalate	1.488	1.487	0.1	100	0.00
61	4-Chlorophenyl-phenylether	0.681	0.674	1.0	100	0.00
62	4-Nitroaniline	0.356	0.372	-4.5	102	0.00
63	Azobenzene	1.274	1.335	-4.8	104	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.255	-104.0#	199#	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.608	0.3	99	0.00
67	4-Bromophenyl-phenylether	0.220	0.217	1.4	98	0.00
68	Hexachlorobenzene	0.255	0.257	-0.8	102	0.00
69	Atrazine	0.228	0.230	-0.9	101	0.00
70 C	Pentachlorophenol	0.161	0.159	1.2	97	0.00
71	Phenanthrene	1.099	1.095	0.4	101	0.00
72	Anthracene	1.122	1.122	0.0	100	0.00
73	Carbazole	1.057	1.050	0.7	100	0.00
74	Di-n-butylphthalate	1.300	1.345	-3.5	104	0.00
75 C	Fluoranthene	1.311	1.291	1.5	101	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	94	0.00
77	Benzydine	0.683	0.771	-12.9	75	0.00
78	Pyrene	1.300	1.342	-3.2	99	0.00
79 S	Terphenyl-d14	1.093	1.093	0.0	99	0.00
80	Butylbenzylphthalate	0.589	0.616	-4.6	100	0.01
81	Benzo(a)anthracene	1.319	1.307	0.9	97	0.00
82	3,3'-Dichlorobenzidine	0.497	0.500	-0.6	97	0.00
83	Chrysene	1.235	1.256	-1.7	100	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.907	-4.6	103	-0.02
85 c	Di-n-octyl phthalate	1.492	1.558	-4.4	102	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	95	-0.01
87	Indeno(1,2,3-cd)pyrene	1.467	1.450	1.2	97	-0.01
88	Benzo(b)fluoranthene	1.179	1.193	-1.2	100	-0.01
89	Benzo(k)fluoranthene	1.180	1.153	2.3	97	-0.01
90 C	Benzo(a)pyrene	1.148	1.136	1.0	97	0.00
91	Dibenzo(a,h)anthracene	1.199	1.189	0.8	97	-0.02
92	Benzo(g,h,i)perylene	1.178	1.151	2.3	96	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
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SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	97	-0.01
2	1,4-Dioxane	40.000	40.315	-0.8	103	0.00
3	Pyridine	40.000	40.190	-0.5	103	0.00
4	n-Nitrosodimethylamine	40.000	42.738	-6.8	107	0.00
5 S	2-Fluorophenol	80.000	81.661	-2.1	102	0.00
6	Aniline	40.000	40.087	-0.2	100	0.00
7 S	Phenol-d6	80.000	82.185	-2.7	101	0.00
8	2-Chlorophenol	40.000	40.380	-1.0	101	0.00
9	Benzaldehyde	40.000	46.044	-15.1	88	0.00
10 C	Phenol	40.000	40.784	-2.0	101	0.00
11	bis(2-Chloroethyl)ether	40.000	40.295	-0.7	101	0.00
12	1,3-Dichlorobenzene	40.000	40.075	-0.2	100	0.00
13 C	1,4-Dichlorobenzene	40.000	40.312	-0.8	102	-0.01
14	1,2-Dichlorobenzene	40.000	39.850	0.4	100	0.00
15	Benzyl Alcohol	40.000	39.981	0.0	99	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.786	-2.0	103	0.00
17	2-Methylphenol	40.000	40.470	-1.2	99	0.00
18	Hexachloroethane	40.000	40.757	-1.9	102	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.573	1.1	99	0.00
20	3+4-Methylphenols	40.000	40.080	-0.2	99	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22	Acetophenone	40.000	40.114	-0.3	99	0.00
23 S	Nitrobenzene-d5	80.000	81.627	-2.0	101	0.00
24	Nitrobenzene	40.000	40.460	-1.2	99	0.00
25	Isophorone	40.000	40.781	-2.0	101	0.00
26 C	2-Nitrophenol	40.000	41.117	-2.8	99	0.00
27	2,4-Dimethylphenol	40.000	41.001	-2.5	99	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.077	-0.2	100	0.00
29 C	2,4-Dichlorophenol	40.000	40.511	-1.3	98	0.00
30	1,2,4-Trichlorobenzene	40.000	39.422	1.4	98	0.00
31	Naphthalene	40.000	39.813	0.5	99	0.00
32	Benzoic acid	40.000	68.883	-72.2#	167	0.03
33	4-Chloroaniline	40.000	40.457	-1.1	98	0.00
34 C	Hexachlorobutadiene	40.000	39.292	1.8	97	0.00
35	Caprolactam	40.000	41.521	-3.8	103	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.950	-2.4	101	0.00
37	2-Methylnaphthalene	40.000	39.823	0.4	99	0.00
38	1-Methylnaphthalene	40.000	39.680	0.8	100	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	96	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	39.392	1.5	98	0.00
41 P	Hexachlorocyclopentadiene	40.000	52.042	-30.1#	126	0.00
42 S	2,4,6-Tribromophenol	80.000	81.256	-1.6	100	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.018	-2.5	101	0.00
44	2,4,5-Trichlorophenol	40.000	40.597	-1.5	98	0.00
45 S	2-Fluorobiphenyl	80.000	79.181	1.0	100	0.00
46	1,1'-Biphenyl	40.000	40.000	0.0	99	0.00
47	2-Chloronaphthalene	40.000	39.556	1.1	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.581	-6.5	102	0.00
49	Acenaphthylene	40.000	40.322	-0.8	100	0.00
50	Dimethylphthalate	40.000	40.430	-1.1	102	0.00
51	2,6-Dinitrotoluene	40.000	41.441	-3.6	100	0.00
52 C	Acenaphthene	40.000	39.829	0.4	101	0.00
53	3-Nitroaniline	40.000	41.575	-3.9	102	0.00
54 P	2,4-Dinitrophenol	40.000	139.827	-249.6#	340	0.00
55	Dibenzofuran	40.000	39.788	0.5	99	0.00
56 P	4-Nitrophenol	40.000	40.915	-2.3	101	0.00
57	2,4-Dinitrotoluene	40.000	42.517	-6.3	103	0.00
58	Fluorene	40.000	39.664	0.8	100	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.893	0.3	99	0.00
60	Diethylphthalate	40.000	39.974	0.1	100	0.00
61	4-Chlorophenyl-phenylether	40.000	39.536	1.2	100	0.00
62	4-Nitroaniline	40.000	41.774	-4.4	102	0.00
63	Azobenzene	40.000	41.912	-4.8	104	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	96	0.00
65	4,6-Dinitro-2-methylphenol	40.000	81.708	-104.3#	199	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.858	0.4	99	0.00
67	4-Bromophenyl-phenylether	40.000	39.458	1.4	98	0.00
68	Hexachlorobenzene	40.000	40.251	-0.6	102	0.00
69	Atrazine	40.000	40.298	-0.7	101	0.00
70 C	Pentachlorophenol	40.000	39.549	1.1	97	0.00
71	Phenanthrene	40.000	39.881	0.3	101	0.00
72	Anthracene	40.000	39.998	0.0	100	0.00
73	Carbazole	40.000	39.727	0.7	100	0.00
74	Di-n-butylphthalate	40.000	41.367	-3.4	104	0.00
75 C	Fluoranthene	40.000	39.397	1.5	101	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	94	0.00
77	Benzydine	40.000	45.160	-12.9	75	0.00
78	Pyrene	40.000	41.296	-3.2	99	0.00
79 S	Terphenyl-d14	80.000	79.985	0.0	99	0.00
80	Butylbenzylphthalate	40.000	41.807	-4.5	100	0.01
81	Benzo(a)anthracene	40.000	39.644	0.9	97	0.00
82	3,3'-Dichlorobenzidine	40.000	40.253	-0.6	97	0.00
83	Chrysene	40.000	40.684	-1.7	100	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.834	-4.6	103	-0.02
85 c	Di-n-octyl phthalate	40.000	41.781	-4.5	102	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	95	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	39.545	1.1	97	-0.01
88	Benzo(b)fluoranthene	40.000	40.474	-1.2	100	-0.01
89	Benzo(k)fluoranthene	40.000	39.073	2.3	97	-0.01
90 C	Benzo(a)pyrene	40.000	39.581	1.0	97	0.00
91	Dibenzo(a,h)anthracene	40.000	39.676	0.8	97	-0.02
92	Benzo(g,h,i)perylene	40.000	39.074	2.3	96	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/19/2025 21:43</u>
Lab File ID:	<u>BP025485.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.218		1.2	50.0
Benzaldehyde	1.082	0.902		-16.6	50.0
Phenol-d6	1.544	1.587		2.8	50.0
Phenol	1.620	1.658		2.3	50.0
bis(2-Chloroethyl)ether	1.263	1.262		-0.1	50.0
2-Chlorophenol	1.359	1.375		1.2	50.0
2-Methylphenol	1.125	1.161		3.2	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.743		3.0	50.0
Acetophenone	0.502	0.506		0.8	50.0
3+4-Methylphenols	1.560	1.605		2.9	50.0
n-Nitroso-di-n-propylamine	1.023	1.050	0.050	2.6	50.0
Nitrobenzene-d5	0.395	0.400		1.3	50.0
Hexachloroethane	0.563	0.571		1.4	50.0
Nitrobenzene	0.353	0.353		0.0	50.0
Isophorone	0.700	0.708		1.1	50.0
2-Nitrophenol	0.181	0.183		1.1	50.0
2,4-Dimethylphenol	0.312	0.319		2.2	50.0
bis(2-Chloroethoxy)methane	0.423	0.428		1.2	50.0
2,4-Dichlorophenol	0.310	0.317		2.3	50.0
Naphthalene	1.040	1.019		-2.0	50.0
4-Chloroaniline	0.459	0.465		1.3	50.0
Hexachlorobutadiene	0.211	0.209		-0.9	50.0
Caprolactam	0.114	0.113		-0.9	50.0
4-Chloro-3-methylphenol	0.355	0.365		2.8	50.0
2-Methylnaphthalene	0.676	0.669		-1.0	50.0
Hexachlorocyclopentadiene	0.349	0.410	0.050	17.5	50.0
2,4,6-Trichlorophenol	0.390	0.397		1.8	50.0
2-Fluorobiphenyl	1.463	1.455		-0.5	50.0
2,4,5-Trichlorophenol	0.427	0.434		1.6	50.0
1,1-Biphenyl	1.453	1.450		-0.2	50.0
2-Chloronaphthalene	1.131	1.129		-0.2	50.0
2-Nitroaniline	0.329	0.352		7.0	50.0
Dimethylphthalate	1.465	1.472		0.5	50.0
Acenaphthylene	1.871	1.873		0.1	50.0
2,6-Dinitrotoluene	0.309	0.325		5.2	50.0
3-Nitroaniline	0.347	0.356		2.6	50.0
Acenaphthene	1.098	1.079		-1.7	50.0
2,4-Dinitrophenol	0.165	0.325	0.050	97.0	50.0
4-Nitrophenol	0.285	0.288	0.050	1.1	50.0



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_P Calibration Date/Time: 08/19/2025 21:43
 Lab File ID: BP025485.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.721		-0.9	50.0
2,4-Dinitrotoluene	0.440	0.463		5.2	50.0
Diethylphthalate	1.488	1.504		1.1	50.0
4-Chlorophenyl-phenylether	0.681	0.668		-1.9	50.0
Fluorene	1.370	1.329		-3.0	50.0
4-Nitroaniline	0.356	0.355		-0.3	50.0
4,6-Dinitro-2-methylphenol	0.125	0.178		42.4	50.0
n-Nitrosodiphenylamine	0.610	0.611		0.2	50.0
2,4,6-Tribromophenol	0.269	0.275		2.2	50.0
4-Bromophenyl-phenylether	0.220	0.218		-0.9	50.0
Hexachlorobenzene	0.255	0.257		0.8	50.0
Atrazine	0.228	0.229		0.4	50.0
Pentachlorophenol	0.161	0.166		3.1	50.0
Phenanthrene	1.099	1.085		-1.3	50.0
Anthracene	1.122	1.116		-0.5	50.0
Carbazole	1.057	1.045		-1.1	50.0
Di-n-butylphthalate	1.300	1.318		1.4	50.0
Fluoranthene	1.311	1.271		-3.1	50.0
Pyrene	1.300	1.274		-2.0	50.0
Terphenyl-d14	1.093	1.085		-0.7	50.0
Butylbenzylphthalate	0.589	0.608		3.2	50.0
3,3-Dichlorobenzidine	0.497	0.479		-3.6	50.0
Benzo (a) anthracene	1.319	1.302		-1.3	50.0
Chrysene	1.235	1.232		-0.2	50.0
Bis (2-ethylhexyl) phthalate	0.867	0.887		2.3	50.0
Di-n-octyl phthalate	1.492	1.538		3.1	50.0
Benzo (b) fluoranthene	1.179	1.167		-1.0	50.0
Benzo (k) fluoranthene	1.180	1.176		-0.3	50.0
Benzo (a) pyrene	1.148	1.150		0.2	50.0
Indeno (1,2,3-cd) pyrene	1.467	1.449		-1.2	50.0
Dibenzo (a,h) anthracene	1.199	1.196		-0.3	50.0
Benzo (g,h,i) perylene	1.178	1.167		-0.9	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.582		0.7	50.0
1,4-Dioxane	0.472	0.459		-2.8	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.389		3.2	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025485.D
 Acq On : 19 Aug 2025 21:43
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 20 02:25:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	158873	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	675660	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	445771	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	892187	20.000	ng	0.00
76) Chrysene-d12	21.636	240	906884	20.000	ng	-0.01
86) Perylene-d12	25.006	264	1007482	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	773764	80.882	ng	0.00
7) Phenol-d6	6.966	99	1008256	82.204	ng	0.00
23) Nitrobenzene-d5	8.931	82	1079756	80.839	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	489565	81.593	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2594828	79.555	ng	0.00
79) Terphenyl-d14	19.913	244	3937508	79.436	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	145689	38.879	ng	98
3) Pyridine	3.731	79	404916	39.479	ng	95
4) n-Nitrosodimethylamine	3.637	42	179479	42.446	ng	94
6) Aniline	7.119	93	668681	40.464	ng	97
8) 2-Chlorophenol	7.360	128	437012	40.481	ng	99
9) Benzaldehyde	6.937	77	286594	33.351	ng	99
10) Phenol	6.996	94	526675	40.923	ng	98
11) bis(2-Chloroethyl)ether	7.213	93	401081	39.983	ng	99
12) 1,3-Dichlorobenzene	7.684	146	475391	39.936	ng	100
13) 1,4-Dichlorobenzene	7.825	146	484363	39.809	ng	100
14) 1,2-Dichlorobenzene	8.137	146	469356	39.851	ng	98
15) Benzyl Alcohol	8.025	79	401239	41.172	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	553744	41.208	ng	98
17) 2-Methylphenol	8.225	107	368919	41.273	ng	99
18) Hexachloroethane	8.860	117	181531	40.579	ng	98
19) n-Nitroso-di-n-propyla...	8.584	70	333778	41.084	ng	97
20) 3+4-Methylphenols	8.548	107	509860	41.150	ng	97
22) Acetophenone	8.595	105	683158	40.318	ng	# 98
24) Nitrobenzene	8.972	77	477609	40.010	ng	99
25) Isophorone	9.495	82	957244	40.496	ng	100
26) 2-Nitrophenol	9.678	139	247838	40.455	ng	99
27) 2,4-Dimethylphenol	9.737	122	431106	40.920	ng	99
28) bis(2-Chloroethoxy)met...	9.966	93	577727	40.432	ng	99
29) 2,4-Dichlorophenol	10.207	162	428064	40.902	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	446960	38.959	ng	98
31) Naphthalene	10.607	128	1376450	39.195	ng	99
32) Benzoic acid	9.895	122	398565	51.243	ng	97
33) 4-Chloroaniline	10.707	127	627874	40.476	ng	99
34) Hexachlorobutadiene	10.895	225	282466	39.534	ng	99
35) Caprolactam	11.495	113	153213	39.925	ng	98
36) 4-Chloro-3-methylphenol	11.837	107	492944	41.048	ng	99
37) 2-Methylnaphthalene	12.213	142	904354	39.572	ng	98
38) 1-Methylnaphthalene	12.431	142	952498	39.191	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	518947	40.309	ng	99
41) Hexachlorocyclopentadiene	12.566	237	365177	46.958	ng	97
43) 2,4,6-Trichlorophenol	12.825	196	354164	40.748	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025485.D
 Acq On : 19 Aug 2025 21:43
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 20 02:25:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

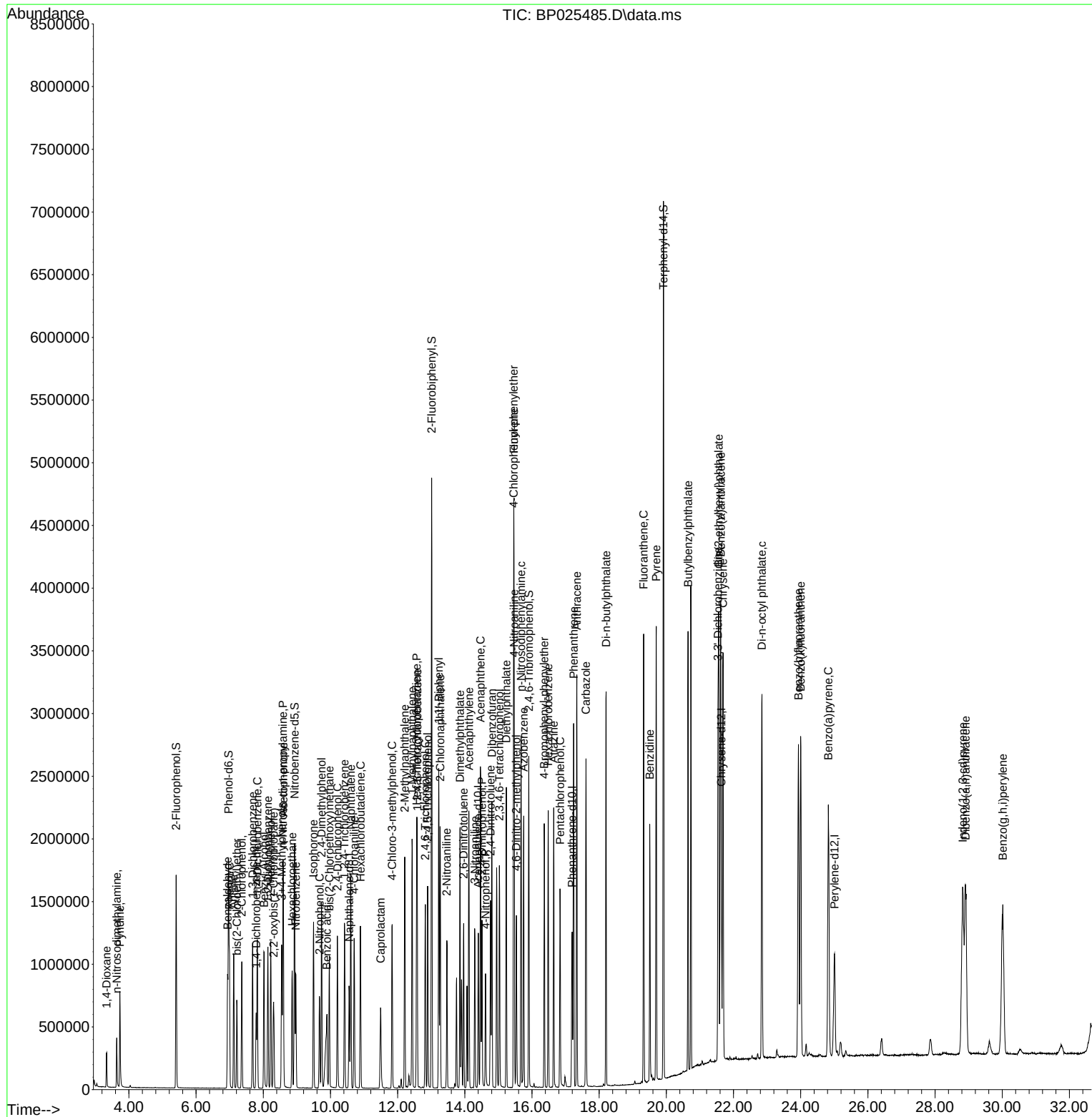
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	387326	40.661	ng	99
46) 1,1'-Biphenyl	13.225	154	1292572	39.926	ng	99
47) 2-Chloronaphthalene	13.266	162	1006226	39.925	ng	99
48) 2-Nitroaniline	13.466	65	313692	42.716	ng	96
49) Acenaphthylene	14.125	152	1669485	40.032	ng	100
50) Dimethylphthalate	13.860	163	1312044	40.193	ng	100
51) 2,6-Dinitrotoluene	13.966	165	289803	42.121	ng	97
52) Acenaphthene	14.466	154	961749	39.288	ng	99
53) 3-Nitroaniline	14.295	138	317453	41.010	ng	96
54) 2,4-Dinitrophenol	14.513	184	289809	78.876	ng	99
55) Dibenzofuran	14.807	168	1534315	39.644	ng	99
56) 4-Nitrophenol	14.619	139	257090	40.416	ng	97
57) 2,4-Dinitrotoluene	14.766	165	412864	42.059	ng	96
58) Fluorene	15.460	166	1184590	38.790	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.030	232	346838	41.236	ng	99
60) Diethylphthalate	15.236	149	1340756	40.422	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	595598	39.215	ng	97
62) 4-Nitroaniline	15.472	138	316634	39.899	ng	97
63) Azobenzene	15.754	77	1180195	41.554	ng	99
65) 4,6-Dinitro-2-methylph...	15.536	198	317569	57.102	ng	95
66) n-Nitrosodiphenylamine	15.677	169	1090366	40.077	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	389327	39.677	ng	96
68) Hexachlorobenzene	16.483	284	458719	40.328	ng	99
69) Atrazine	16.648	200	408523	40.095	ng	100
70) Pentachlorophenol	16.836	266	295975	41.221	ng	96
71) Phenanthrene	17.242	178	1936352	39.509	ng	99
72) Anthracene	17.336	178	1990880	39.778	ng	100
73) Carbazole	17.607	167	1863783	39.535	ng	99
74) Di-n-butylphthalate	18.207	149	2351889	40.549	ng	100
75) Fluoranthene	19.324	202	2267363	38.784	ng	99
77) Benzidine	19.507	184	1145425	37.009	ng	99
78) Pyrene	19.701	202	2310305	39.194	ng	100
80) Butylbenzylphthalate	20.648	149	1102249	41.260	ng	100
81) Benzo(a)anthracene	21.618	228	2361970	39.492	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	868498	38.525	ng	99
83) Chrysene	21.689	228	2233747	39.880	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1608462	40.902	ng	100
85) Di-n-octyl phthalate	22.848	149	2789645	41.242	ng	99
87) Indeno(1,2,3-cd)pyrene	28.824	276	2920576	39.529	ng	99
88) Benzo(b)fluoranthene	23.936	252	2351174	39.577	ng	99
89) Benzo(k)fluoranthene	24.001	252	2369472	39.857	ng	99
90) Benzo(a)pyrene	24.824	252	2318019	40.084	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2410467	39.922	ng	99
92) Benzo(g,h,i)perylene	30.018	276	2351576	39.621	ng	98

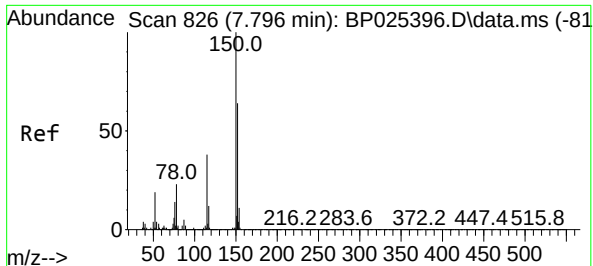
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

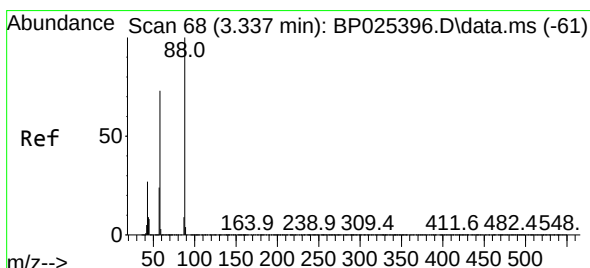
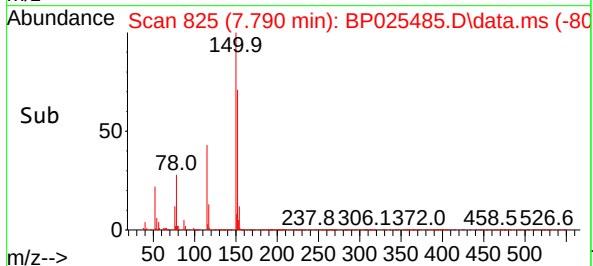
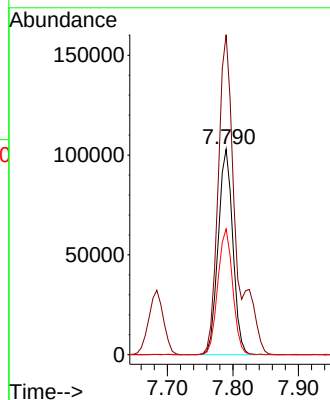
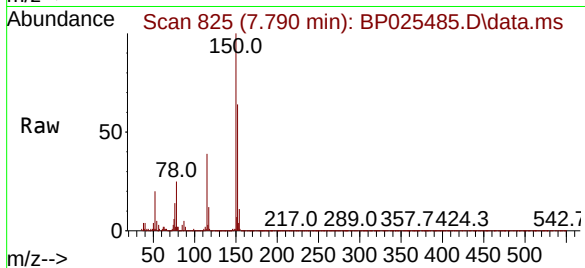




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025485.D
 Acq: 19 Aug 2025 21:43

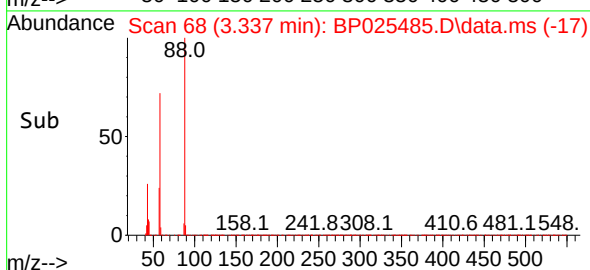
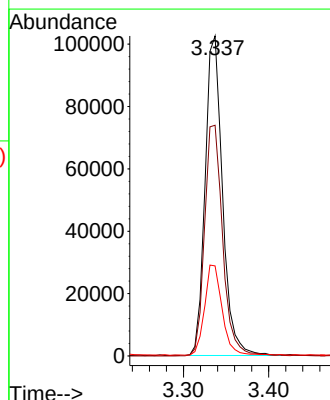
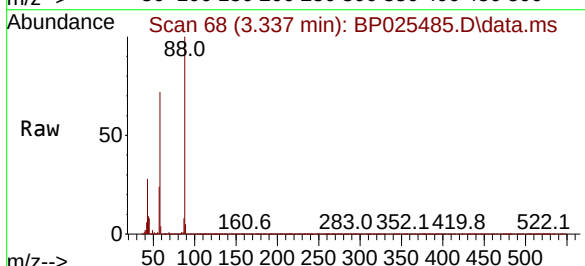
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

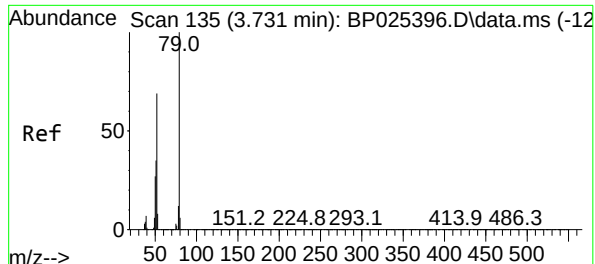
Tgt Ion:152 Resp: 158873
 Ion Ratio Lower Upper
 152 100
 150 155.6 125.9 188.9
 115 61.2 48.5 72.7



#2
 1,4-Dioxane
 Concen: 38.879 ng
 RT: 3.337 min Scan# 68
 Delta R.T. -0.000 min
 Lab File: BP025485.D
 Acq: 19 Aug 2025 21:43

Tgt Ion: 88 Resp: 145689
 Ion Ratio Lower Upper
 88 100
 58 75.3 59.2 88.8
 43 28.5 21.7 32.5





#3

Pyridine

Concen: 39.479 ng

RT: 3.731 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

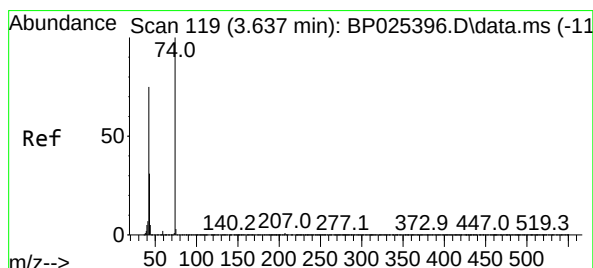
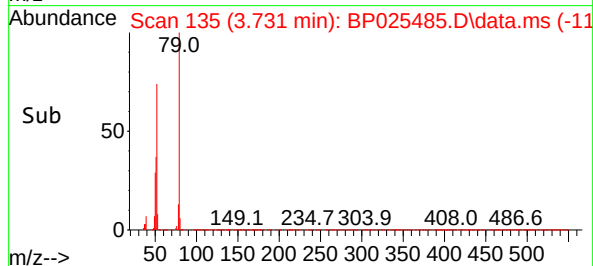
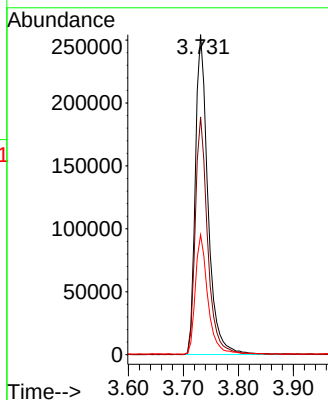
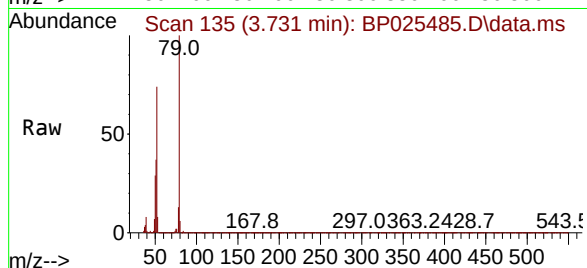
BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 79 Resp: 404916

Ion	Ratio	Lower	Upper
79	100		
52	74.3	55.5	83.3
51	37.5	28.3	42.5



#4

n-Nitrosodimethylamine

Concen: 42.446 ng

RT: 3.637 min Scan# 119

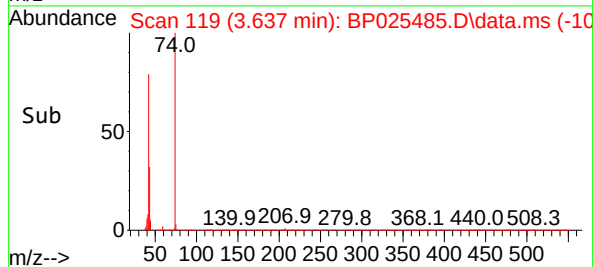
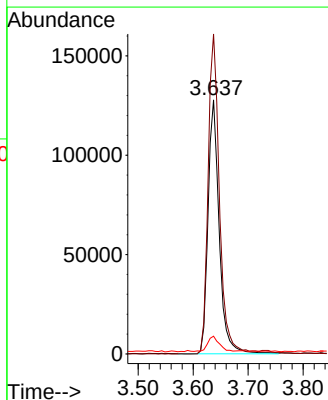
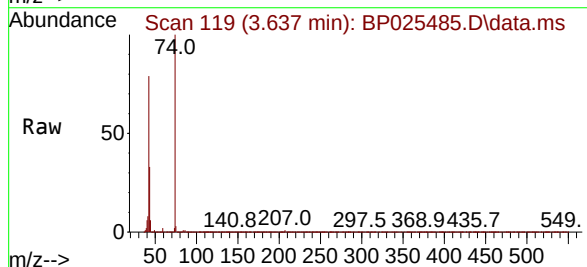
Delta R.T. -0.000 min

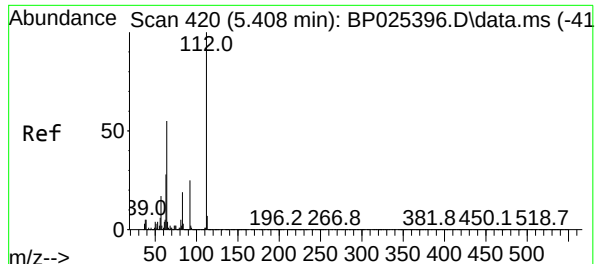
Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Tgt Ion: 42 Resp: 179479

Ion	Ratio	Lower	Upper
42	100		
74	125.9	107.0	160.4
44	7.0	6.2	9.4





#5

2-Fluorophenol

Concen: 80.882 ng

RT: 5.407 min Scan# 41

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

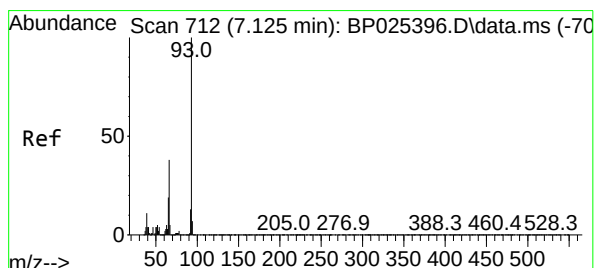
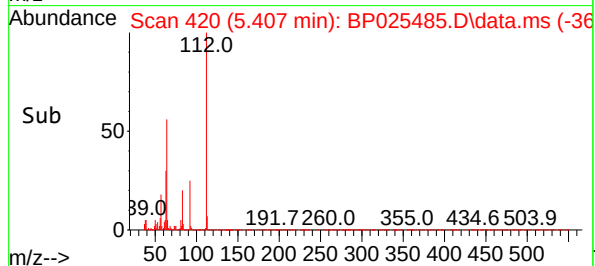
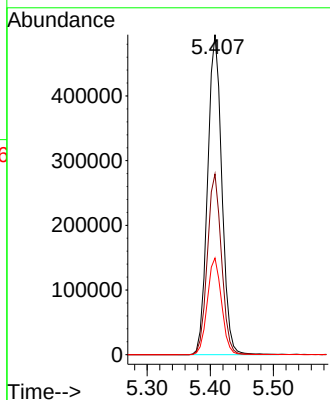
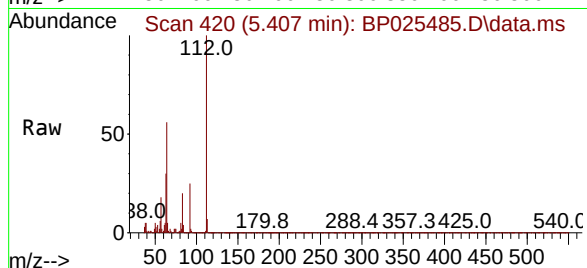
Tgt Ion:112 Resp: 773764

Ion Ratio Lower Upper

112 100

64 56.5 43.8 65.8

63 30.2 22.7 34.1



#6

Aniline

Concen: 40.464 ng

RT: 7.119 min Scan# 711

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

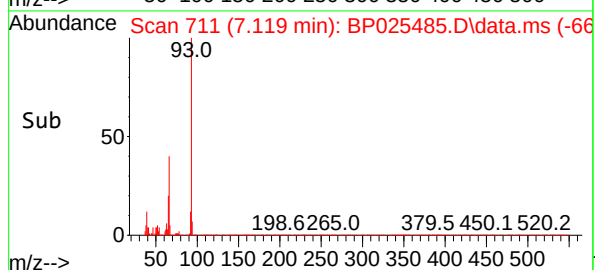
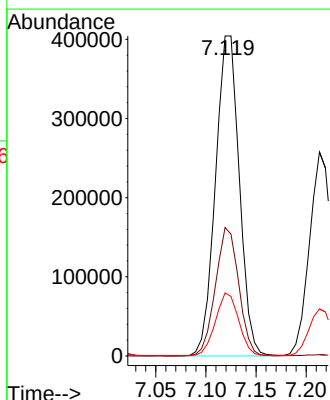
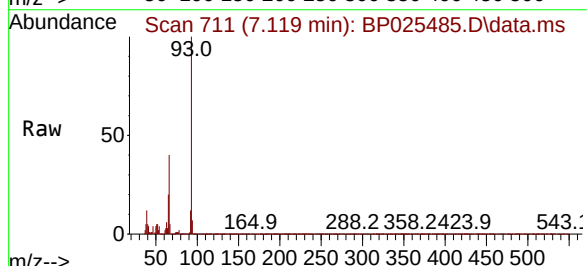
Tgt Ion: 93 Resp: 668681

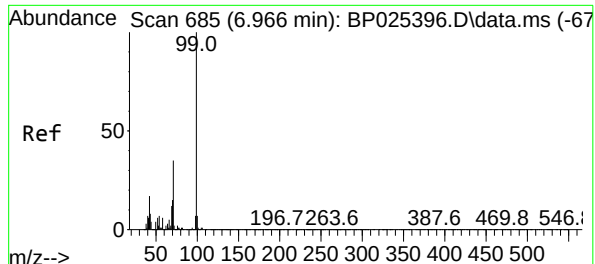
Ion Ratio Lower Upper

93 100

66 40.1 30.4 45.6

65 19.7 15.3 22.9

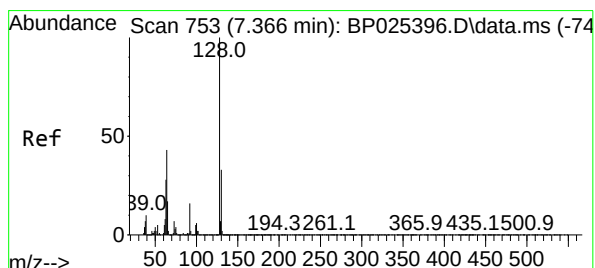
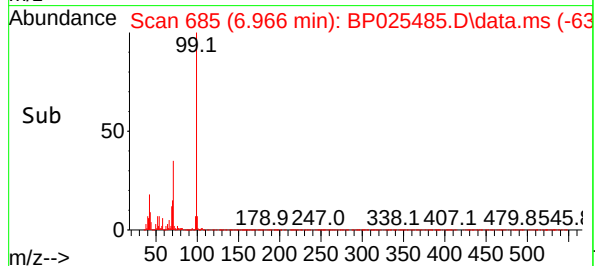
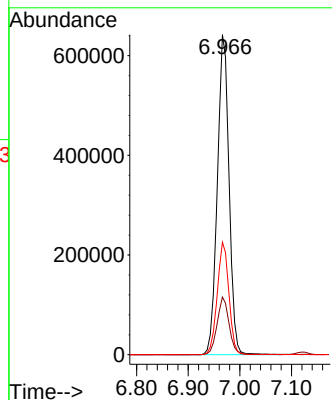
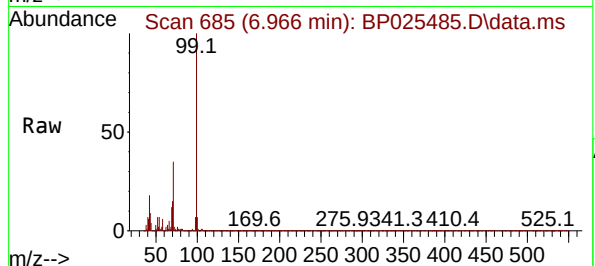




#7
Phenol-d6
Concen: 82.204 ng
RT: 6.966 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

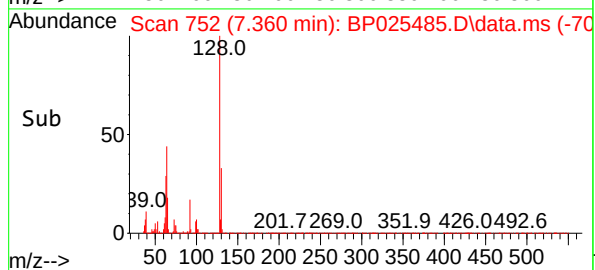
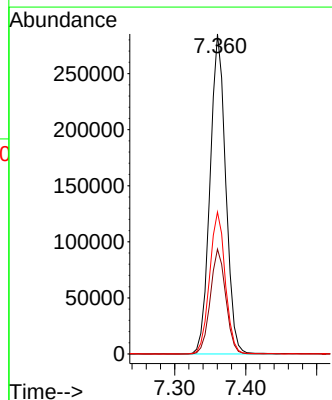
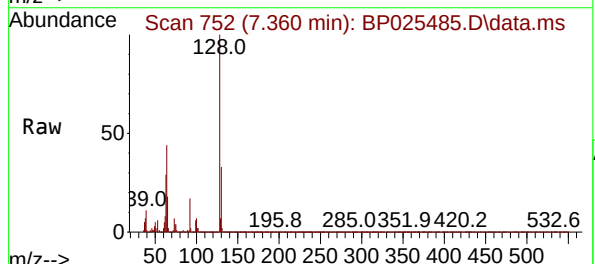
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

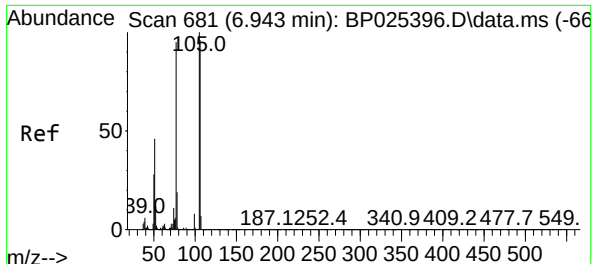
Tgt Ion: 99 Resp: 1008256
Ion Ratio Lower Upper
99 100
42 18.0 13.7 20.5
71 35.1 28.2 42.4



#8
2-Chlorophenol
Concen: 40.481 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 128 Resp: 437012
Ion Ratio Lower Upper
128 100
130 32.8 12.6 52.6
64 44.4 23.4 63.4

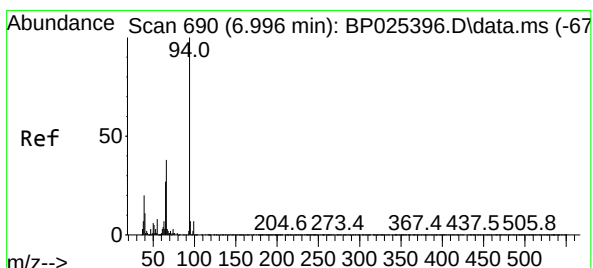
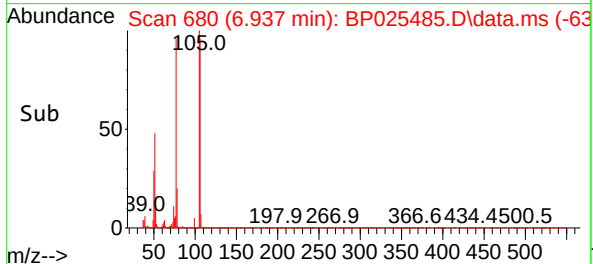
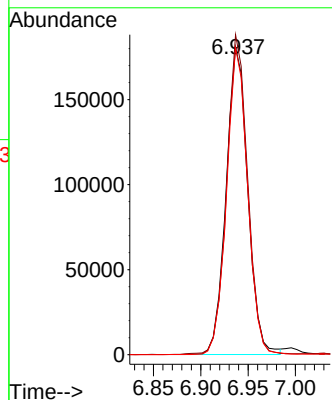
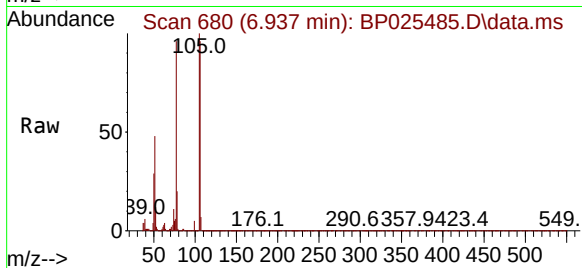




#9
Benzaldehyde
Concen: 33.351 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

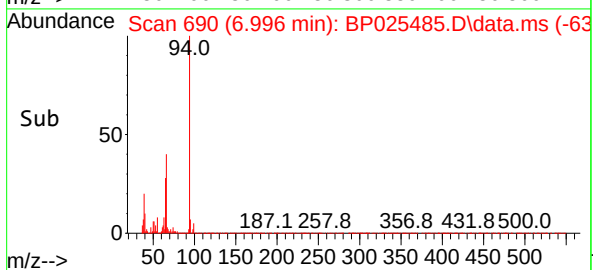
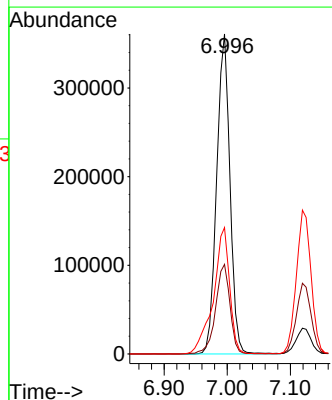
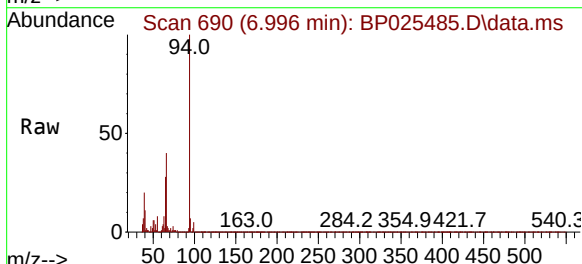
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

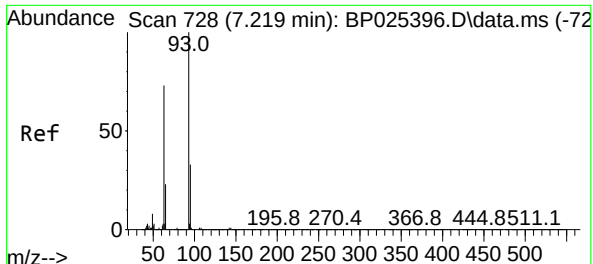
Tgt Ion: 77 Resp: 286594
Ion Ratio Lower Upper
77 100
105 104.0 84.8 124.8
106 99.8 80.5 120.5



#10
Phenol
Concen: 40.923 ng
RT: 6.996 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 94 Resp: 526675
Ion Ratio Lower Upper
94 100
65 28.0 6.8 46.8
66 39.5 18.2 58.2

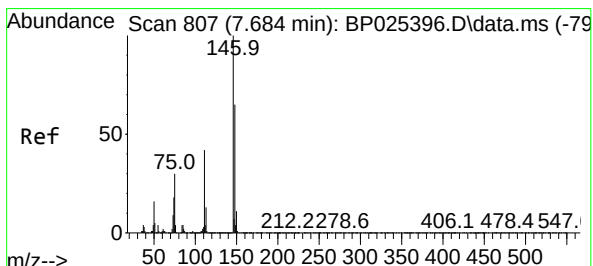
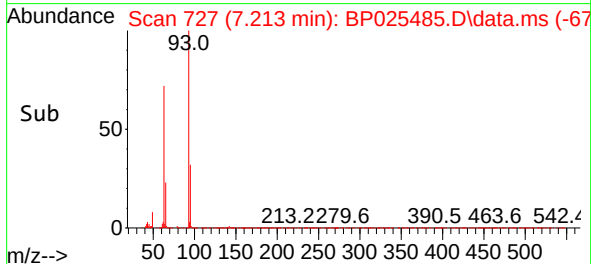
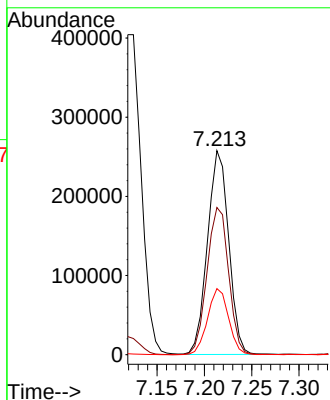
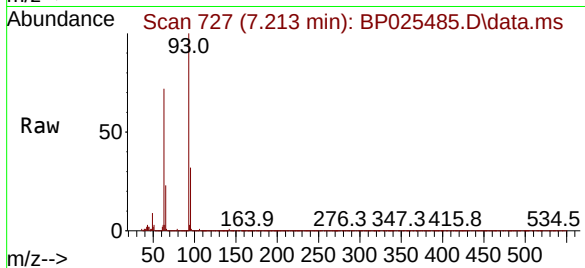




#11
bis(2-Chloroethyl)ether
Concen: 39.983 ng
RT: 7.213 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

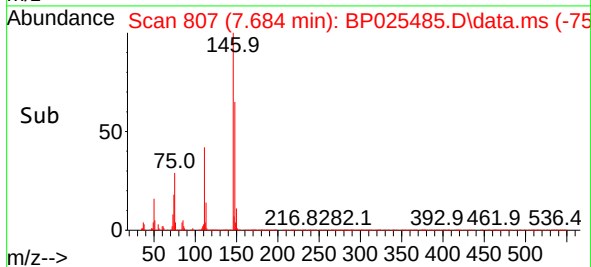
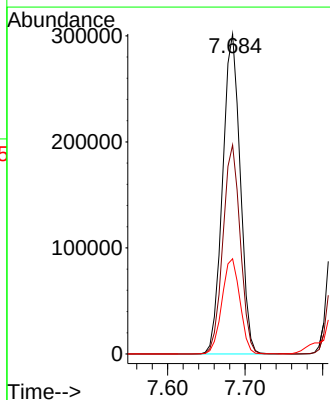
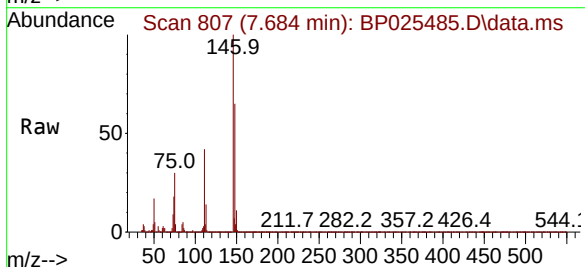
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

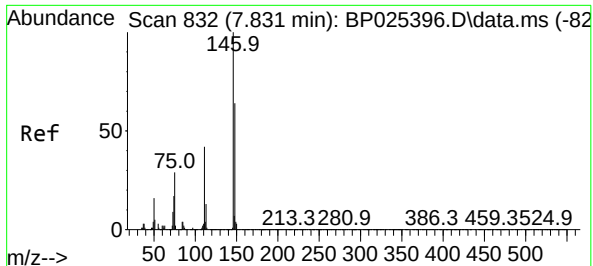
Tgt Ion: 93 Resp: 401081
Ion Ratio Lower Upper
93 100
63 72.2 52.6 92.6
95 32.4 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 39.936 ng
RT: 7.684 min Scan# 807
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 146 Resp: 475391
Ion Ratio Lower Upper
146 100
148 65.3 51.9 77.9
75 29.7 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 39.809 ng

RT: 7.825 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

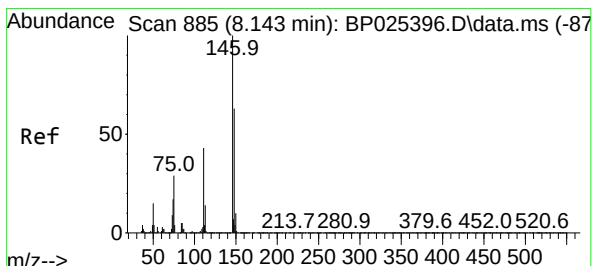
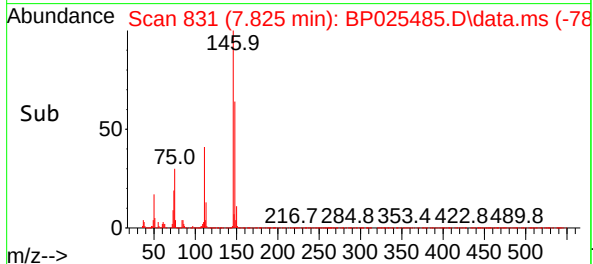
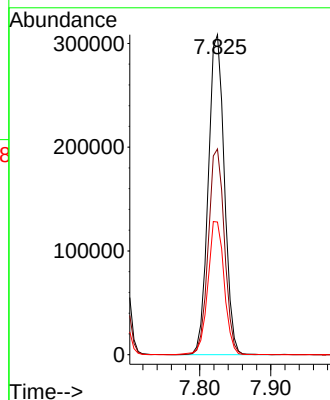
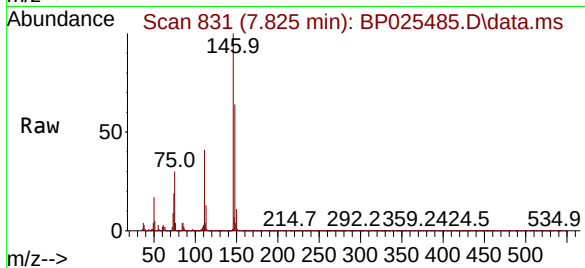
Tgt Ion:146 Resp: 484363

Ion Ratio Lower Upper

146 100

148 64.3 51.6 77.4

111 41.5 33.4 50.0



#14

1,2-Dichlorobenzene

Concen: 39.851 ng

RT: 8.137 min Scan# 884

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

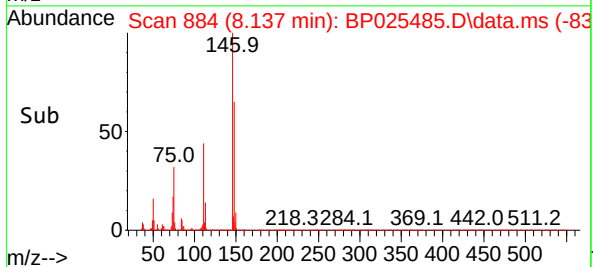
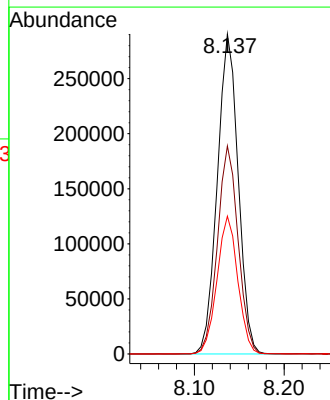
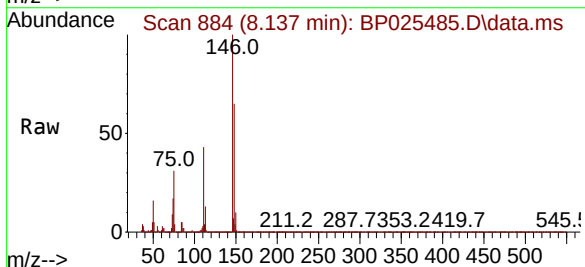
Tgt Ion:146 Resp: 469356

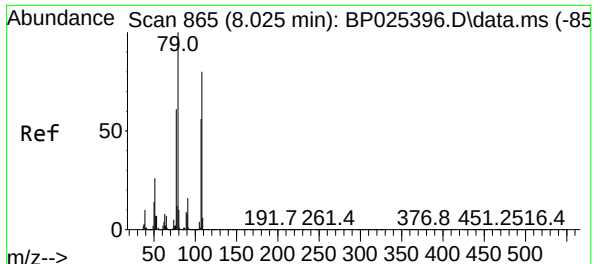
Ion Ratio Lower Upper

146 100

148 65.0 50.4 75.6

111 43.1 34.5 51.7





#15

Benzyl Alcohol

Concen: 41.172 ng

RT: 8.025 min Scan# 80

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

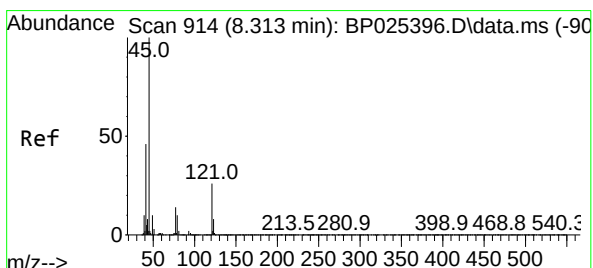
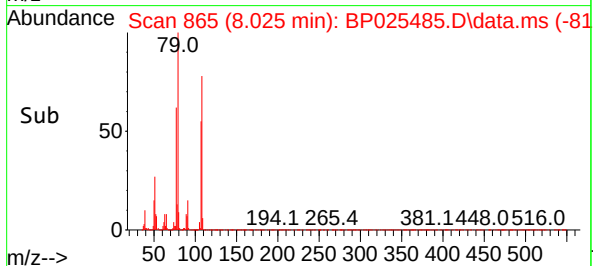
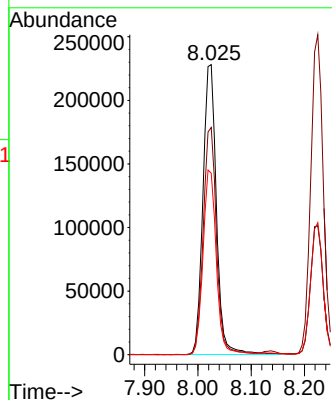
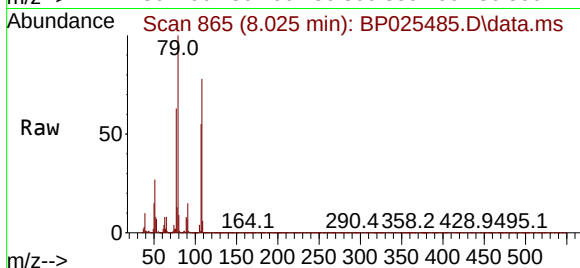
Tgt Ion: 79 Resp: 401239

Ion Ratio Lower Upper

79 100

108 78.3 63.8 95.6

77 62.5 49.0 73.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.208 ng

RT: 8.307 min Scan# 913

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

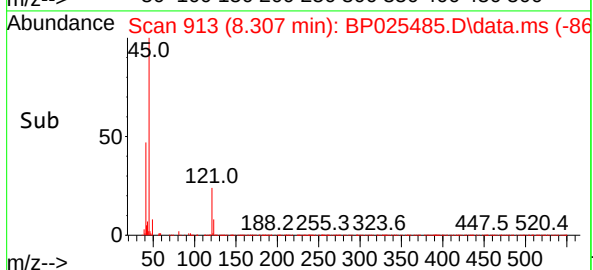
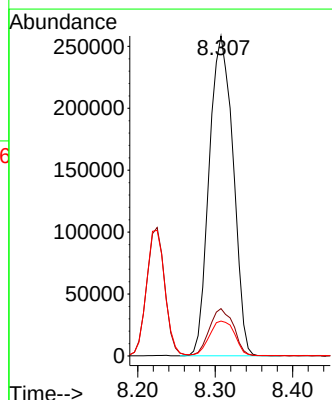
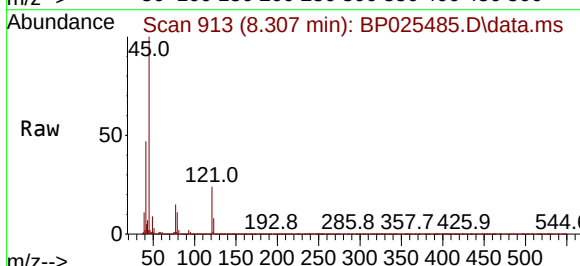
Tgt Ion: 45 Resp: 553744

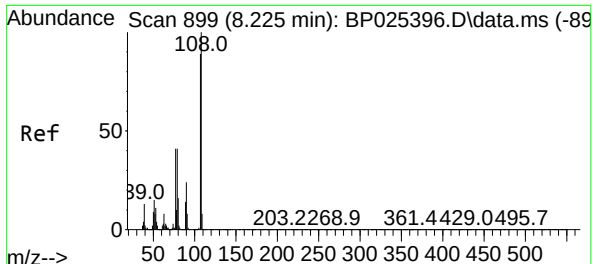
Ion Ratio Lower Upper

45 100

77 14.8 0.0 35.3

79 10.9 0.0 31.8





#17

2-Methylphenol

Concen: 41.273 ng

RT: 8.225 min Scan# 899

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:107 Resp: 368919

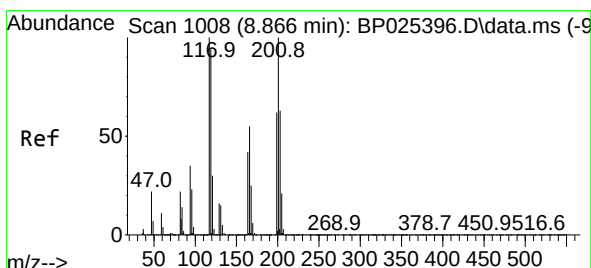
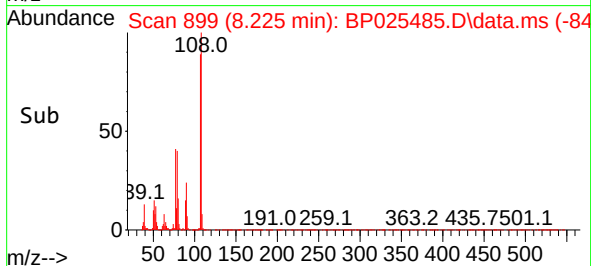
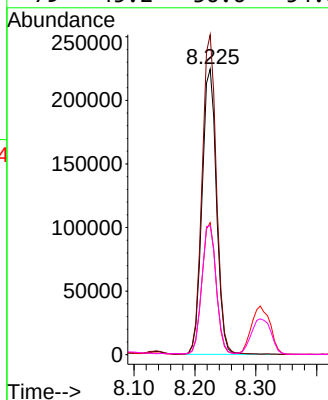
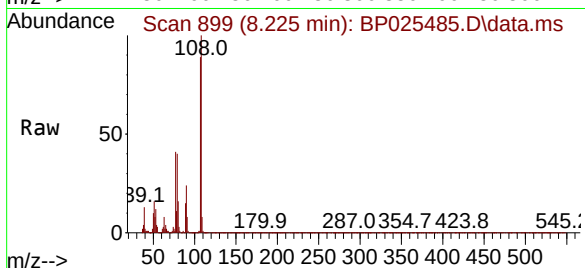
Ion Ratio Lower Upper

107 100

108 112.0 89.4 134.0

77 46.2 36.3 54.5

79 45.2 36.6 54.8



#18

Hexachloroethane

Concen: 40.579 ng

RT: 8.860 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

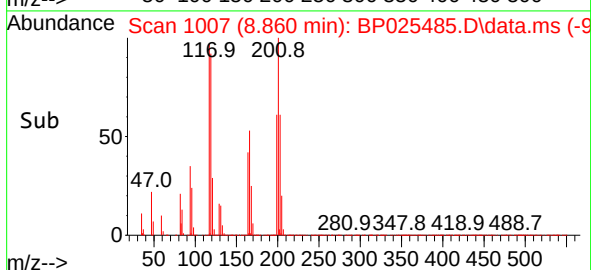
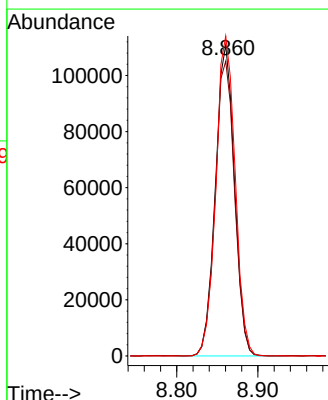
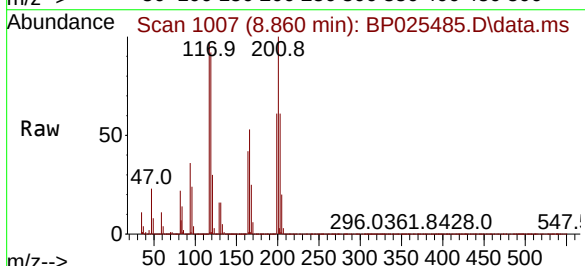
Tgt Ion:117 Resp: 181531

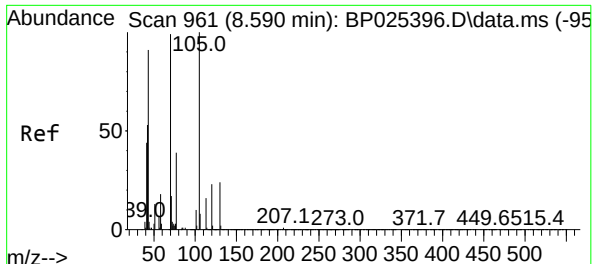
Ion Ratio Lower Upper

117 100

119 94.7 75.1 112.7

201 102.9 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 41.084 ng

RT: 8.584 min Scan# 961

Delta R.T. -0.006 min

Lab File: BP025485.D

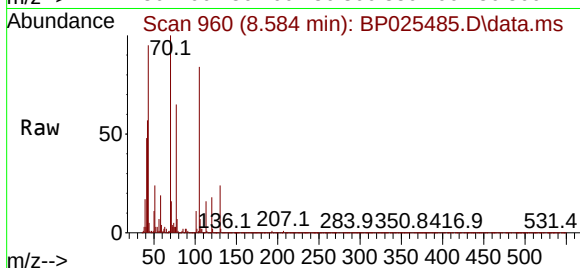
Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC



Tgt Ion: 70 Resp: 333778

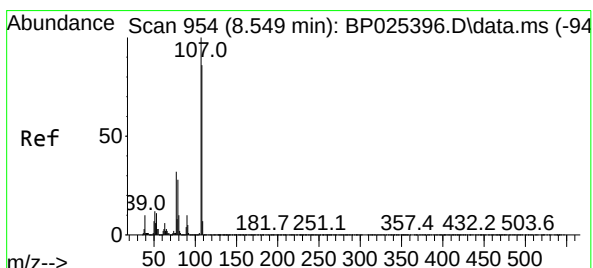
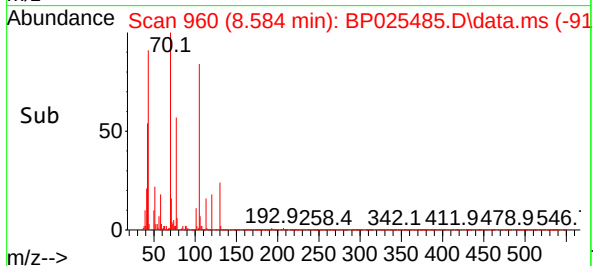
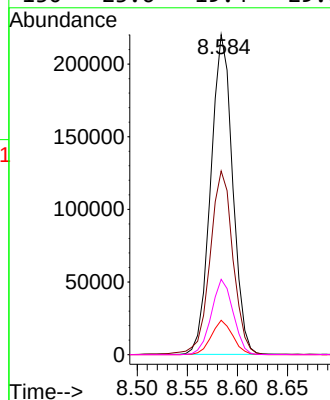
Ion Ratio Lower Upper

70 100

42 57.4 43.8 65.6

101 10.7 8.5 12.7

130 23.6 19.4 29.0



#20

3+4-Methylphenols

Concen: 41.150 ng

RT: 8.548 min Scan# 954

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Tgt Ion: 107 Resp: 509860

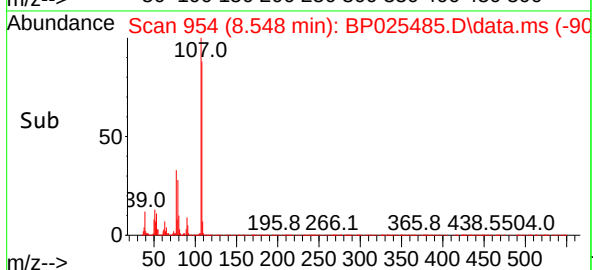
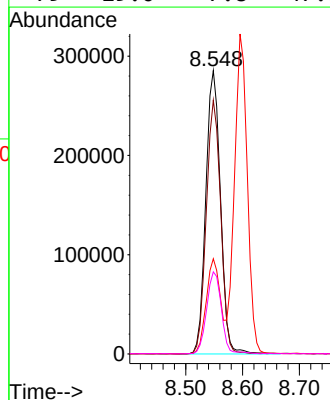
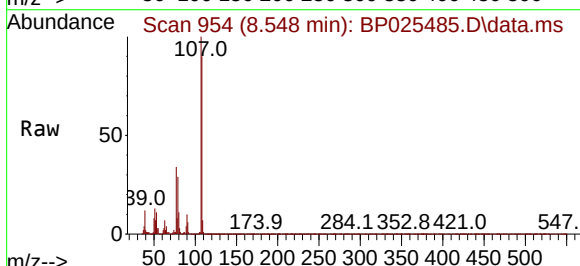
Ion Ratio Lower Upper

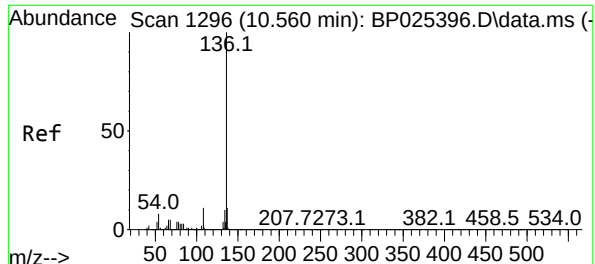
107 100

108 89.5 66.3 106.3

77 33.6 12.3 52.3

79 29.0 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.554 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:136 Resp: 675660

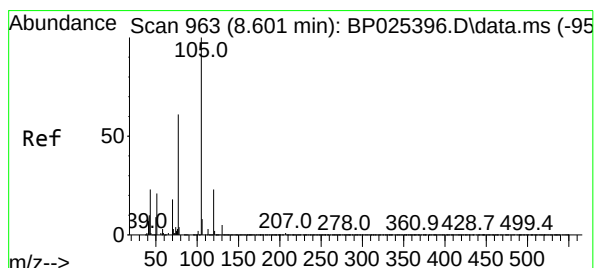
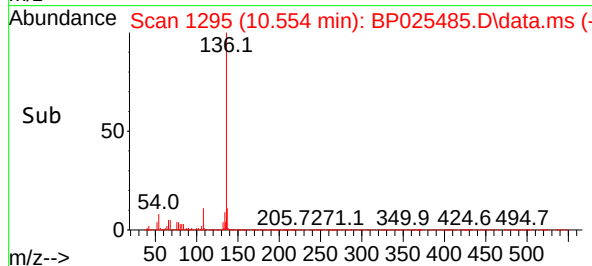
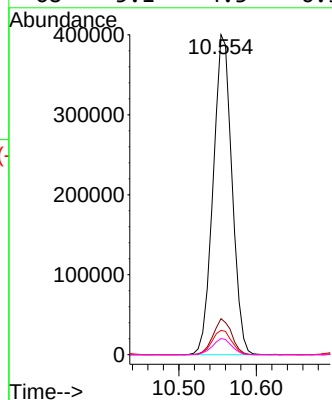
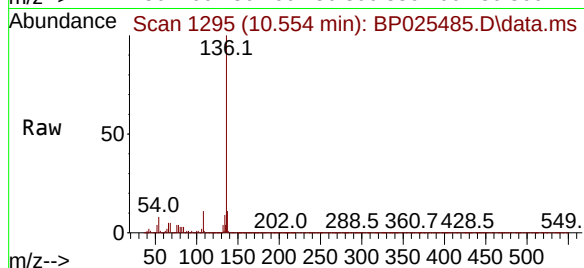
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 7.6 6.0 9.0

68 5.1 4.3 6.5



#22

Acetophenone

Concen: 40.318 ng

RT: 8.595 min Scan# 962

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Tgt Ion:105 Resp: 683158

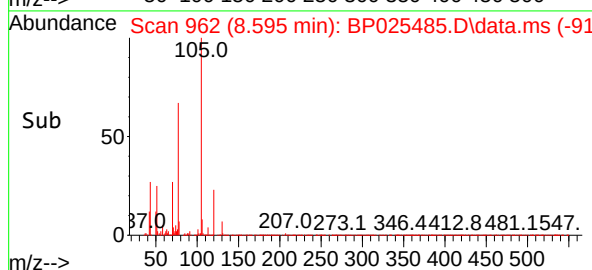
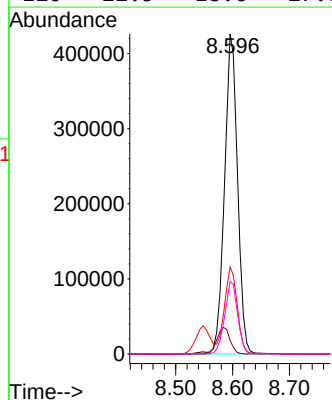
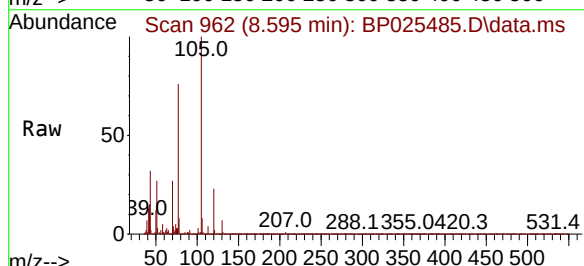
Ion Ratio Lower Upper

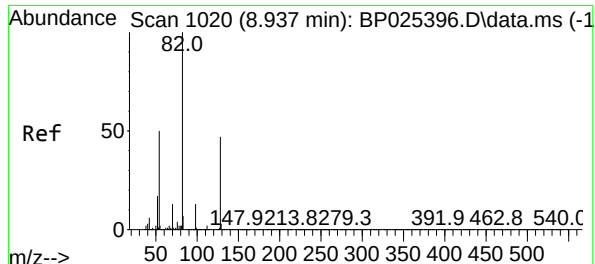
105 100

71 4.2 2.6 4.0#

51 27.2 20.6 30.8

120 22.5 18.6 27.8





#23

Nitrobenzene-d5

Concen: 80.839 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

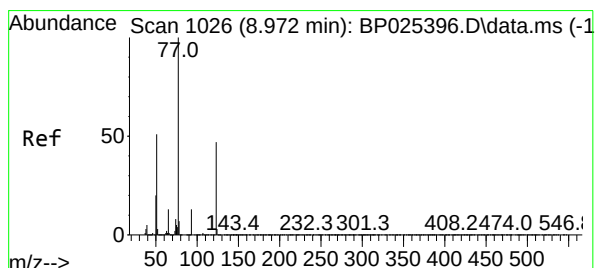
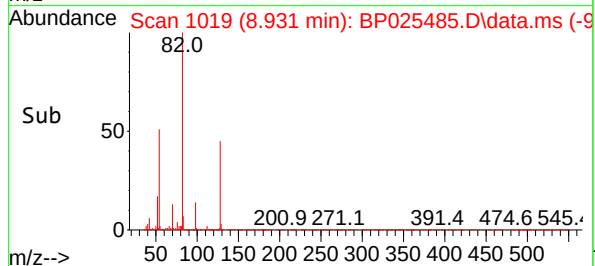
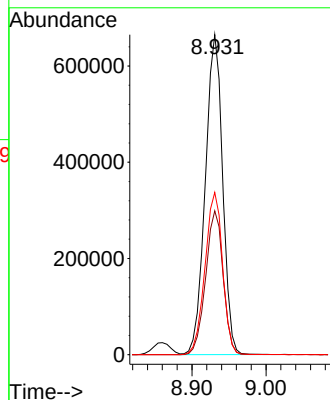
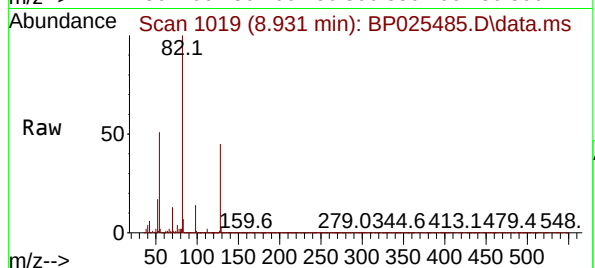
Tgt Ion: 82 Resp: 1079756

Ion Ratio Lower Upper

82 100

128 45.0 37.7 56.5

54 50.7 39.8 59.6



#24

Nitrobenzene

Concen: 40.010 ng

RT: 8.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

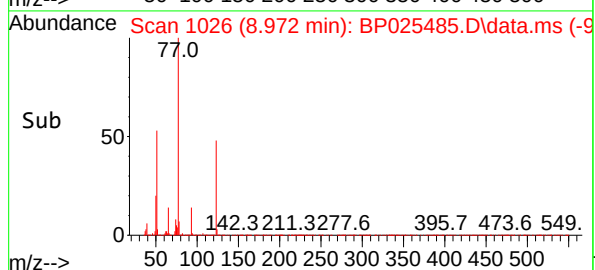
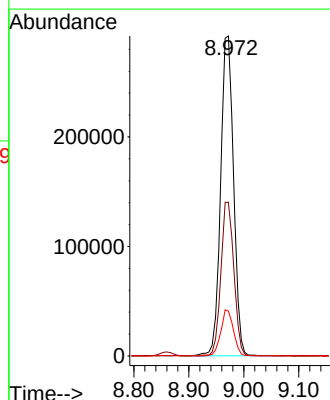
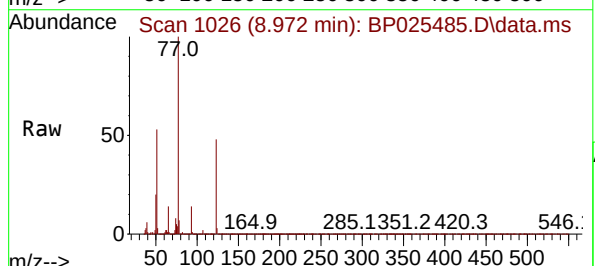
Tgt Ion: 77 Resp: 477609

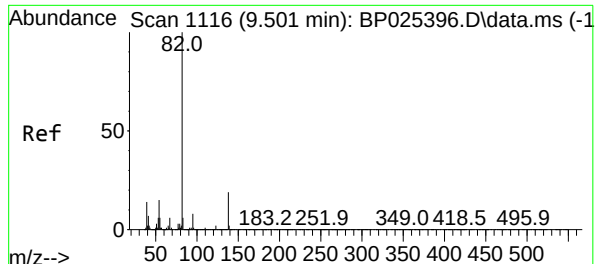
Ion Ratio Lower Upper

77 100

123 48.1 38.6 58.0

65 14.1 10.6 15.8





#25

Isophorone

Concen: 40.496 ng

RT: 9.495 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

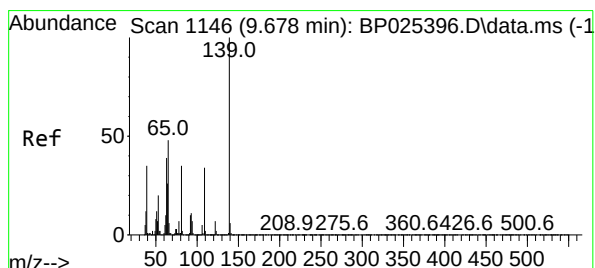
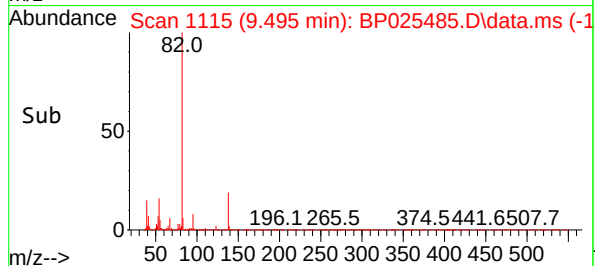
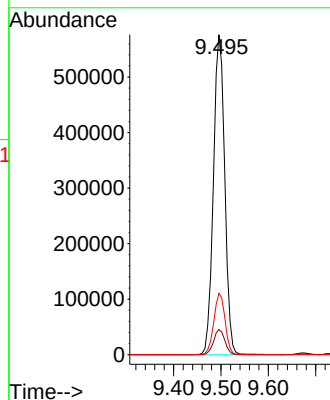
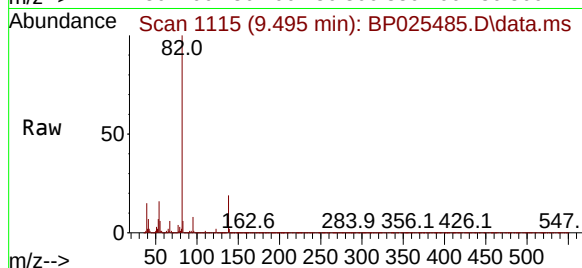
Tgt Ion: 82 Resp: 957244

Ion Ratio Lower Upper

82 100

95 7.8 6.4 9.6

138 19.2 15.4 23.0



#26

2-Nitrophenol

Concen: 40.455 ng

RT: 9.678 min Scan# 1146

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

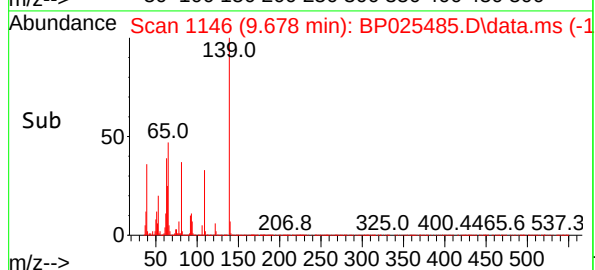
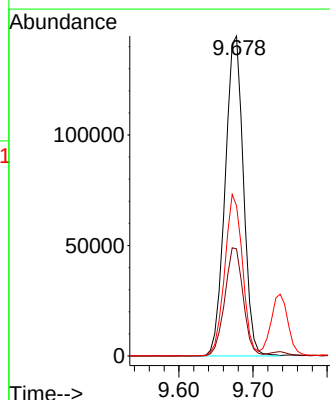
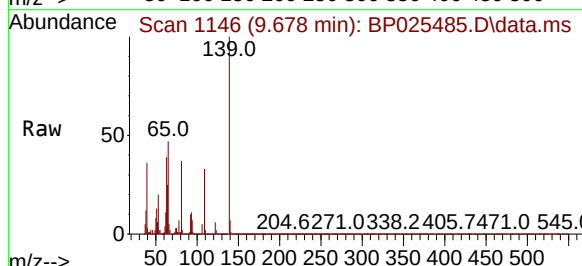
Tgt Ion: 139 Resp: 247838

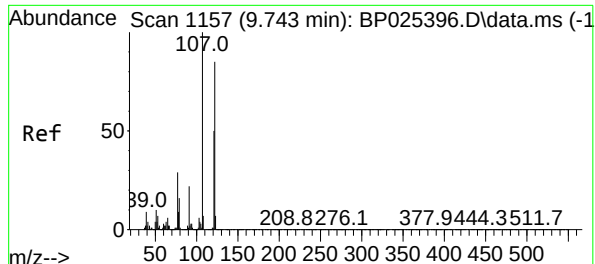
Ion Ratio Lower Upper

139 100

109 33.5 26.9 40.3

65 46.9 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 40.920 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

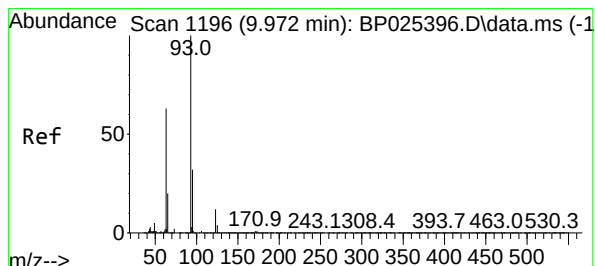
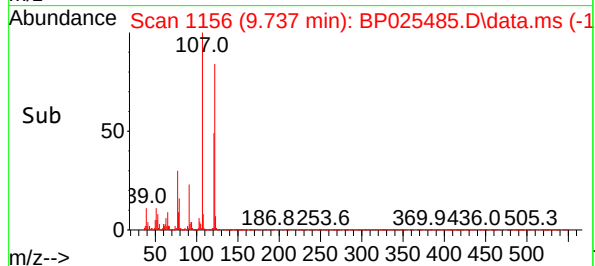
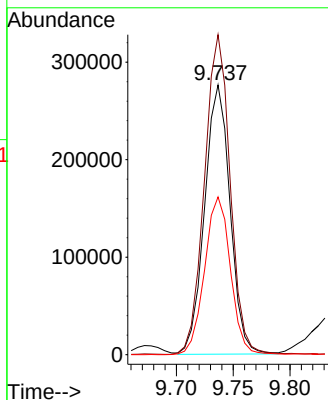
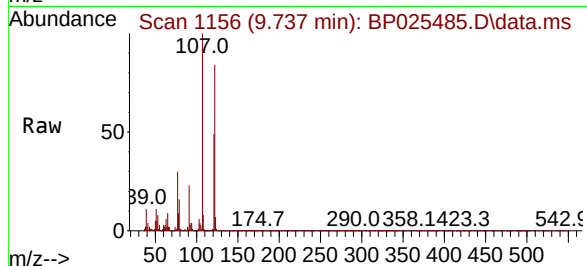
Tgt Ion:122 Resp: 431106

Ion Ratio Lower Upper

122 100

107 118.6 93.7 140.5

121 58.5 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 40.432 ng

RT: 9.966 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

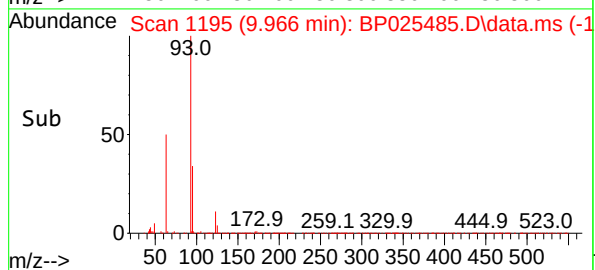
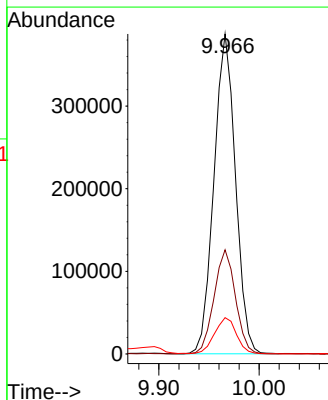
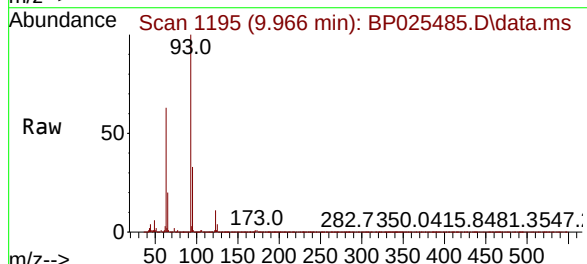
Tgt Ion: 93 Resp: 577727

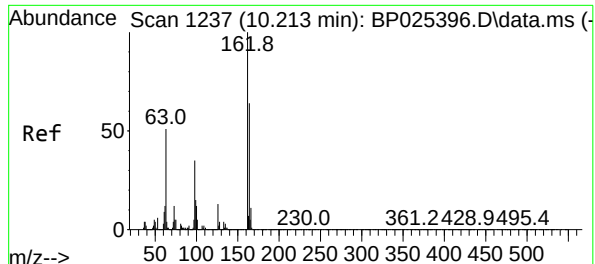
Ion Ratio Lower Upper

93 100

95 32.5 25.4 38.0

123 11.4 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 40.902 ng

RT: 10.207 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

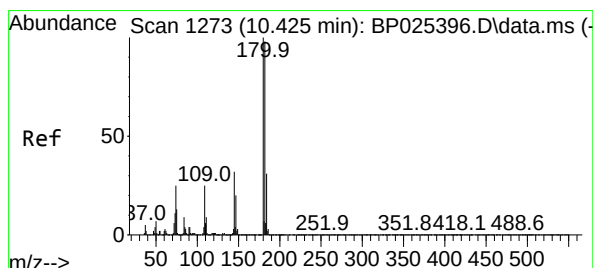
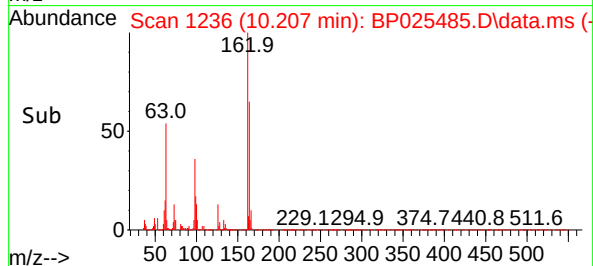
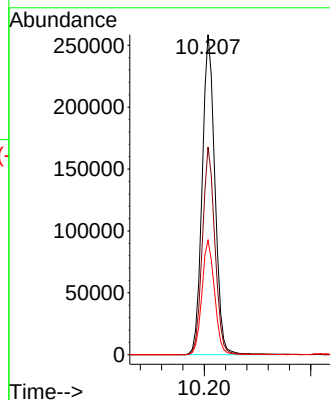
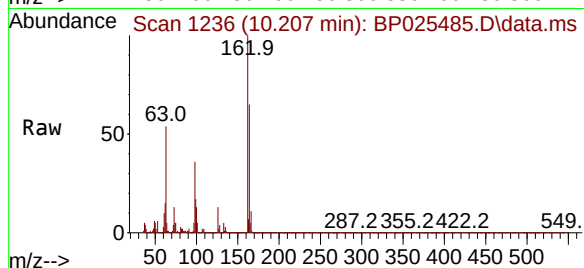
Tgt Ion:162 Resp: 428064

Ion Ratio Lower Upper

162 100

164 64.9 44.4 84.4

98 35.7 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 38.959 ng

RT: 10.419 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

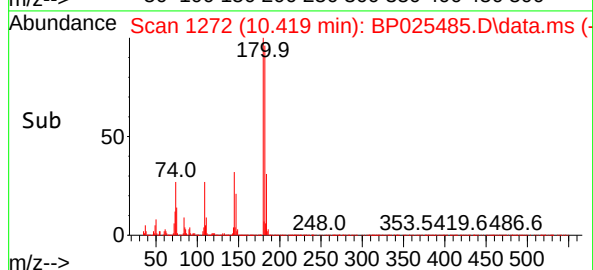
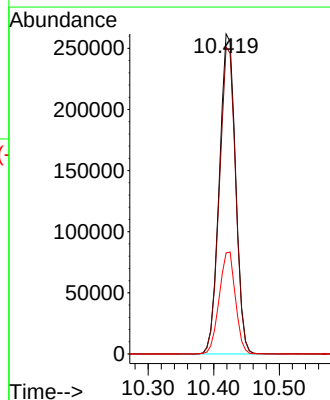
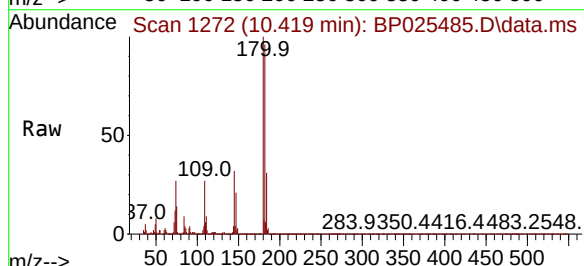
Tgt Ion:180 Resp: 446960

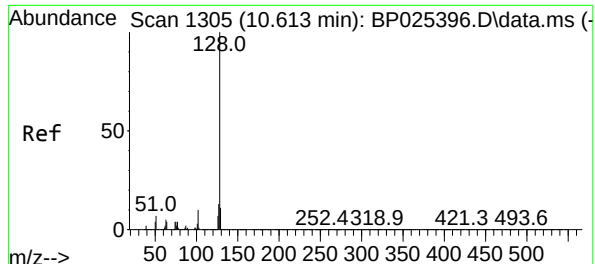
Ion Ratio Lower Upper

180 100

182 95.9 78.0 117.0

145 31.6 25.9 38.9





#31

Naphthalene

Concen: 39.195 ng

RT: 10.607 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

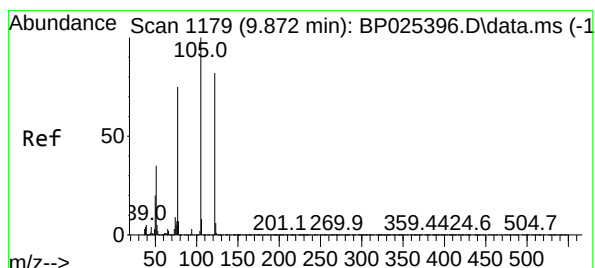
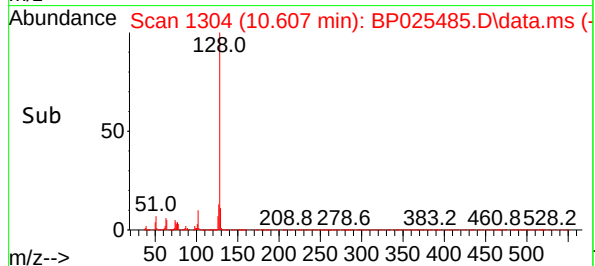
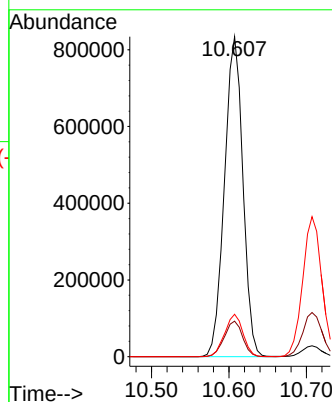
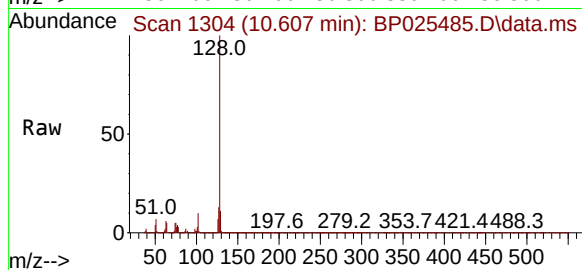
Tgt Ion:128 Resp: 1376450

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 13.2 10.7 16.1



#32

Benzoic acid

Concen: 51.243 ng

RT: 9.895 min Scan# 1183

Delta R.T. 0.023 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

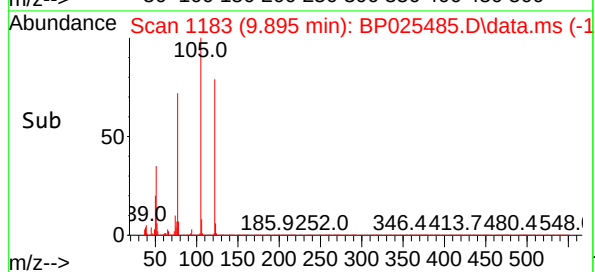
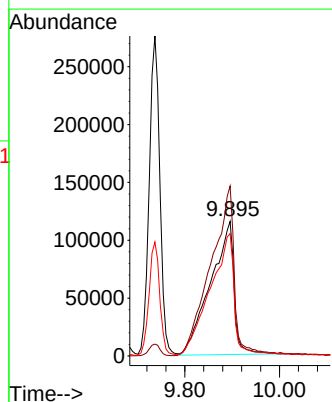
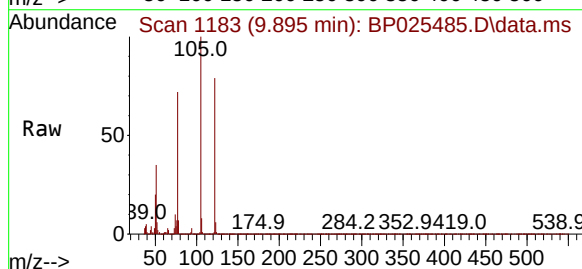
Tgt Ion:122 Resp: 398565

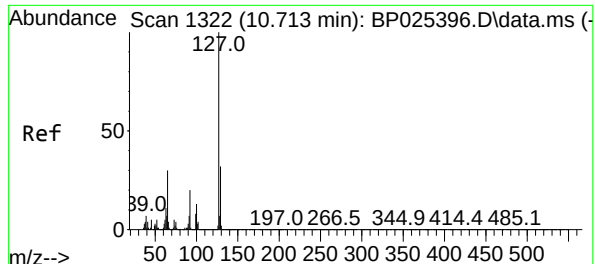
Ion Ratio Lower Upper

122 100

105 126.2 100.6 140.6

77 90.9 71.5 111.5

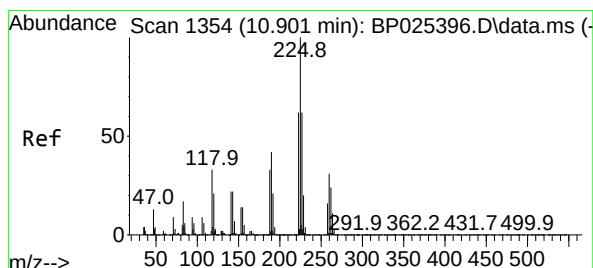
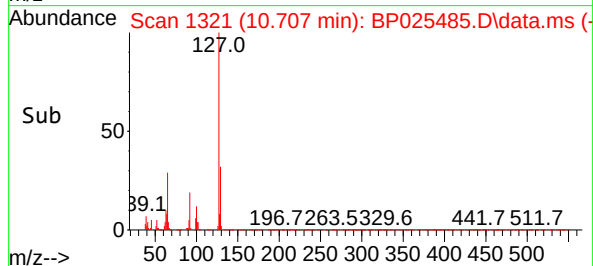
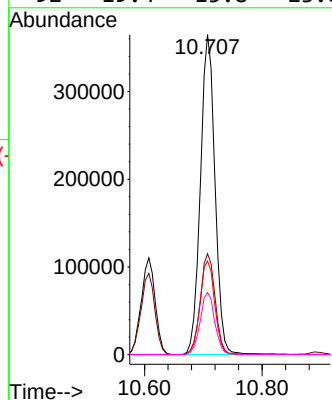
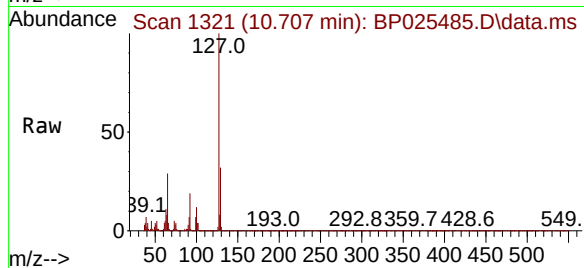




#33
4-Chloroaniline
Concen: 40.476 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

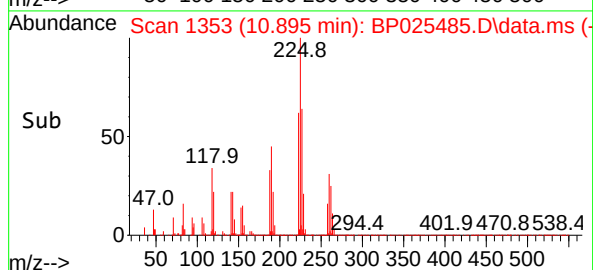
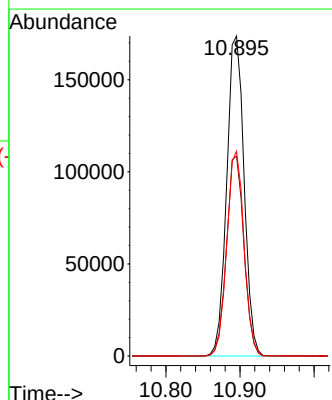
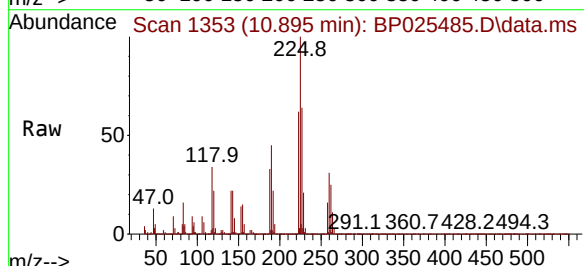
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

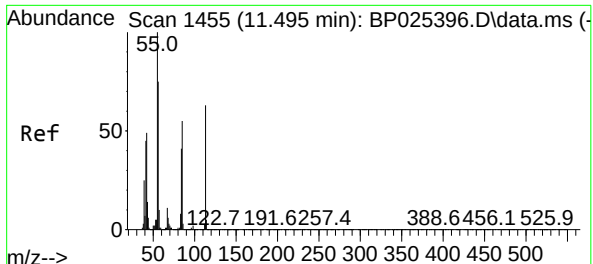
Tgt Ion:127	Resp: 627874
Ion Ratio	Lower Upper
127 100	
129 31.5	25.4 38.2
65 29.3	23.8 35.6
92 19.4	15.8 23.8



#34
Hexachlorobutadiene
Concen: 39.534 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:225	Resp: 282466		
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.0	75.0
227	64.0	49.7	74.5





#35

Caprolactam

Concen: 39.925 ng

RT: 11.495 min Scan# 1455

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

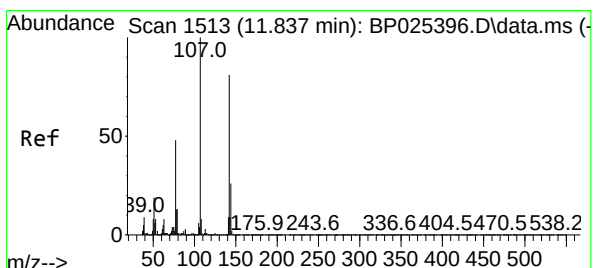
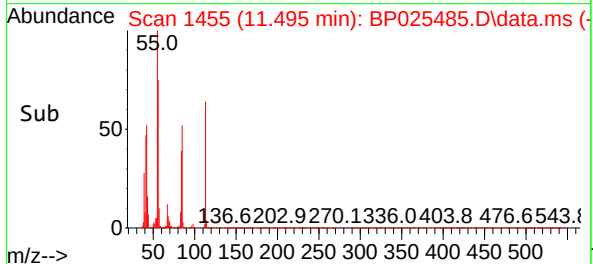
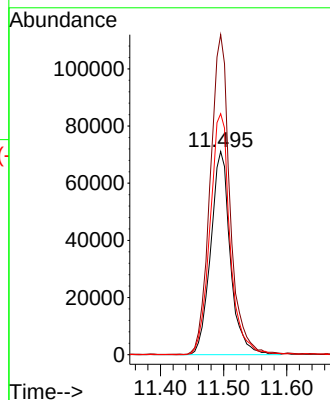
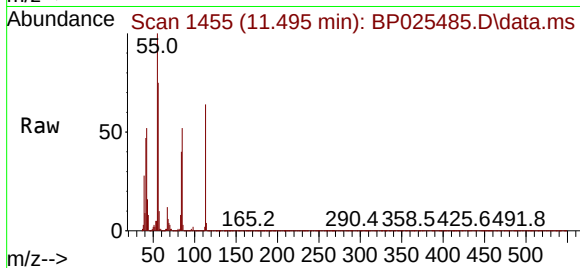
Tgt Ion:113 Resp: 153213

Ion Ratio Lower Upper

113 100

55 157.5 140.0 180.0

56 118.6 100.0 140.0



#36

4-Chloro-3-methylphenol

Concen: 41.048 ng

RT: 11.837 min Scan# 1513

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

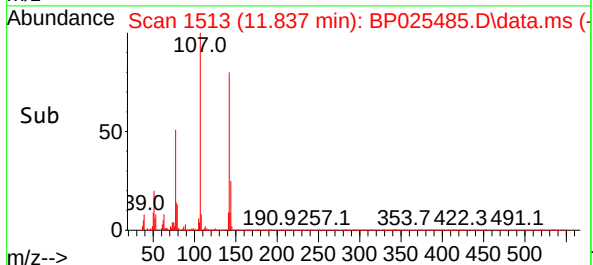
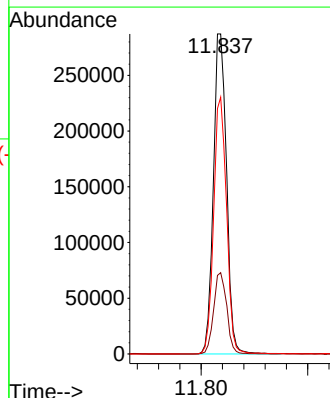
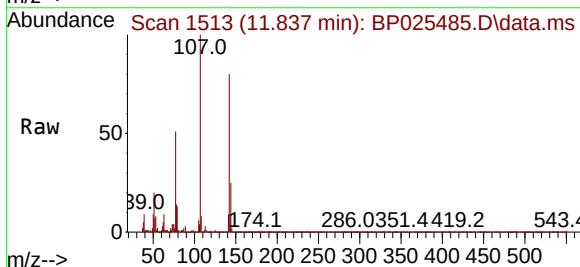
Tgt Ion:107 Resp: 492944

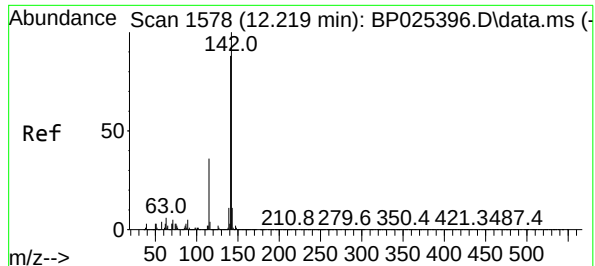
Ion Ratio Lower Upper

107 100

144 25.4 21.0 31.4

142 80.2 64.6 97.0





#37

2-Methylnaphthalene

Concen: 39.572 ng

RT: 12.213 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

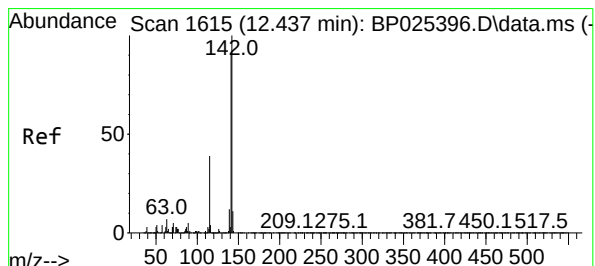
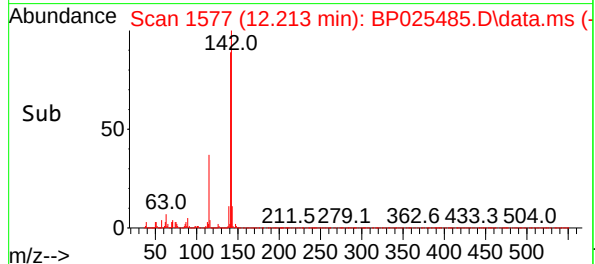
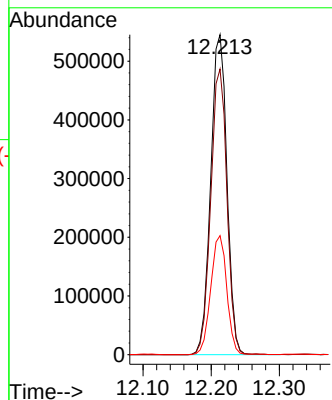
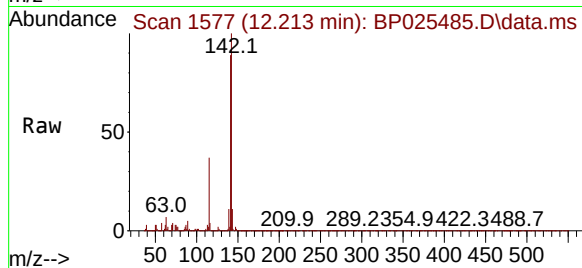
Tgt Ion:142 Resp: 904354

Ion Ratio Lower Upper

142 100

141 89.2 70.3 105.5

115 37.2 28.9 43.3



#38

1-Methylnaphthalene

Concen: 39.191 ng

RT: 12.431 min Scan# 1614

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

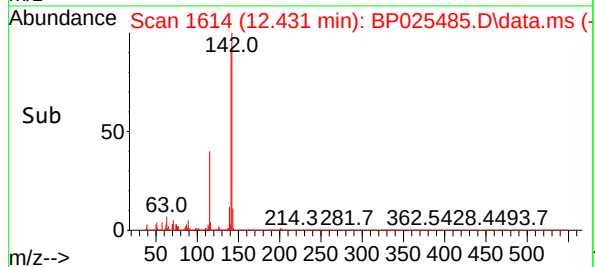
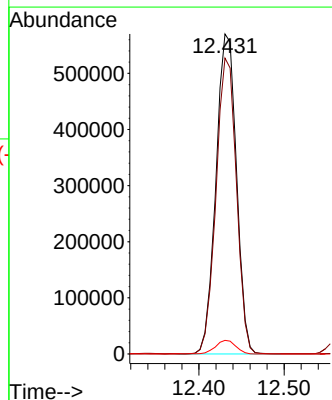
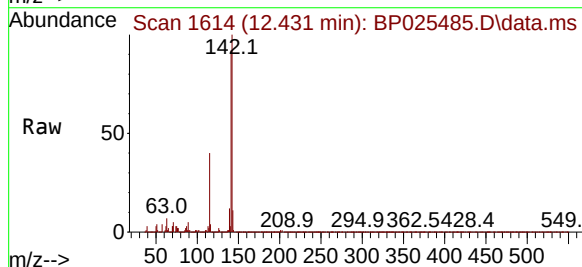
Tgt Ion:142 Resp: 952498

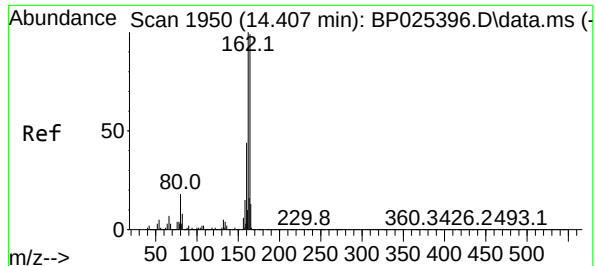
Ion Ratio Lower Upper

142 100

141 92.4 73.1 109.7

116 4.2 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

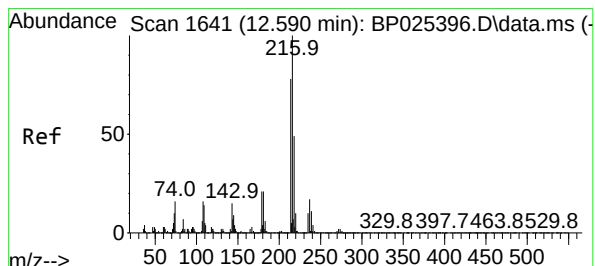
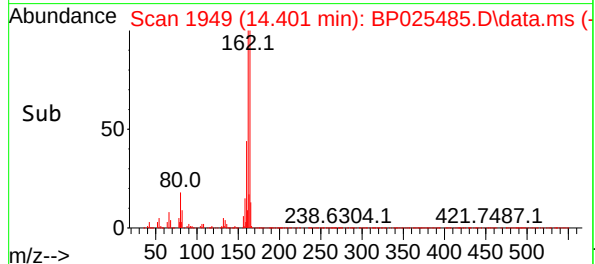
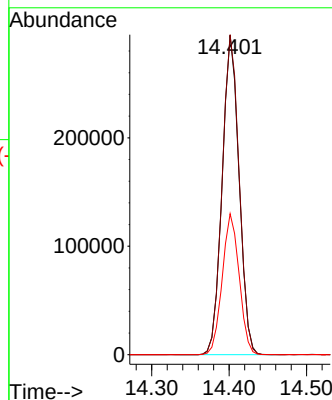
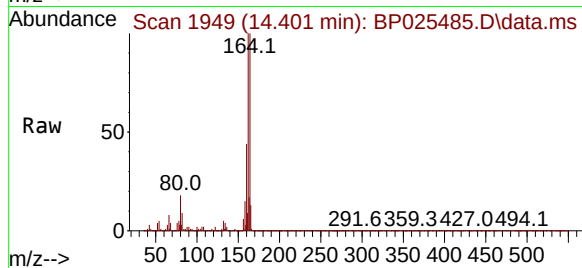
Tgt Ion:164 Resp: 445771

Ion Ratio Lower Upper

164 100

162 100.2 81.0 121.6

160 44.1 35.4 53.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.309 ng

RT: 12.584 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Tgt Ion:216 Resp: 518947

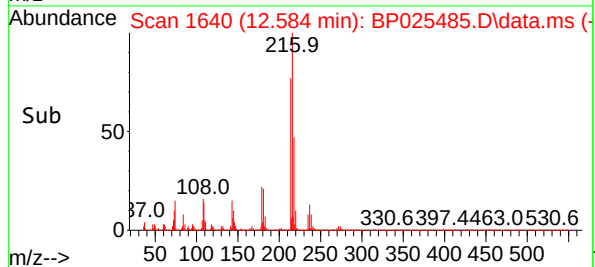
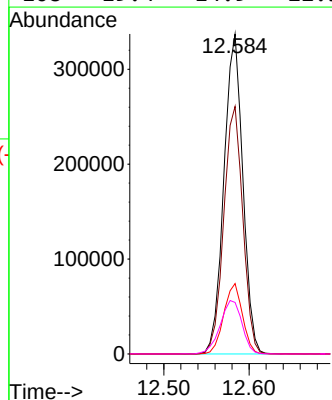
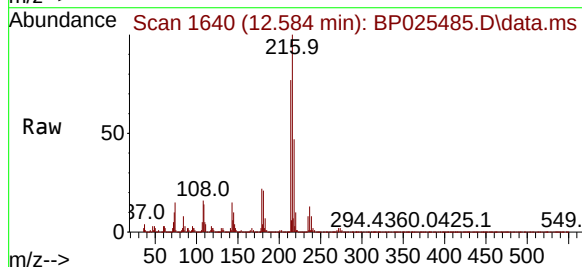
Ion Ratio Lower Upper

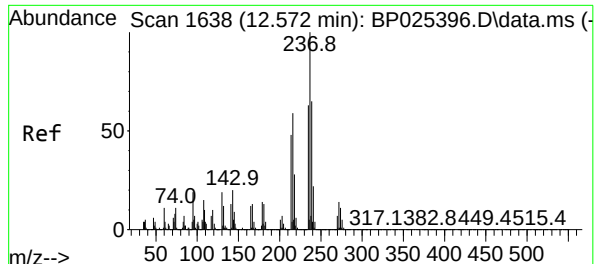
216 100

214 77.9 63.0 94.4

179 21.8 17.1 25.7

108 19.4 14.9 22.3

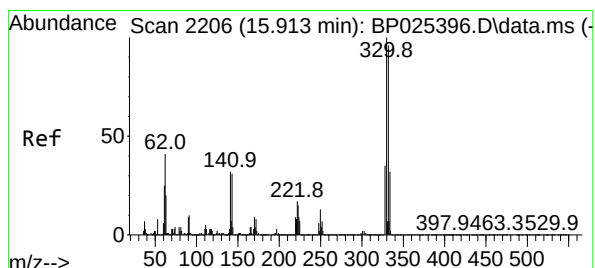
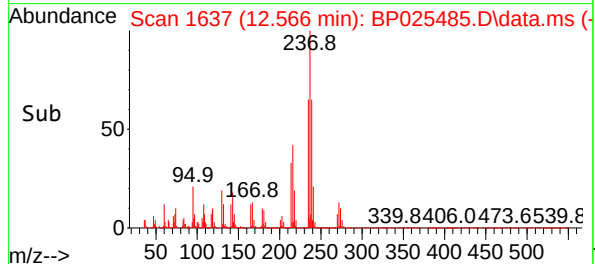
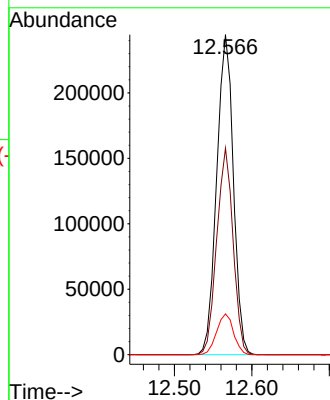
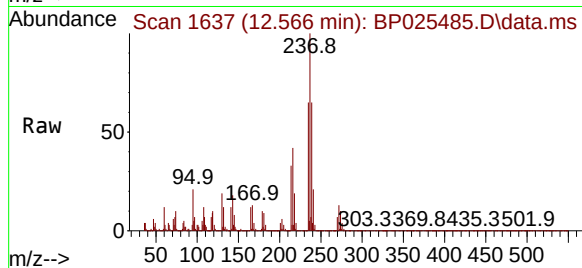




#41
Hexachlorocyclopentadiene
Concen: 46.958 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

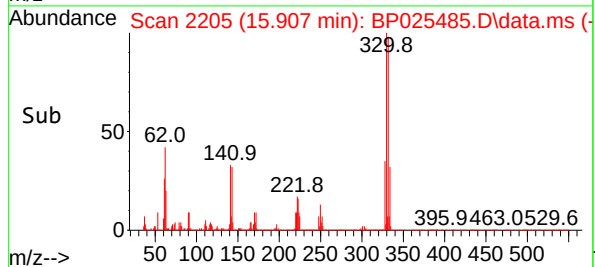
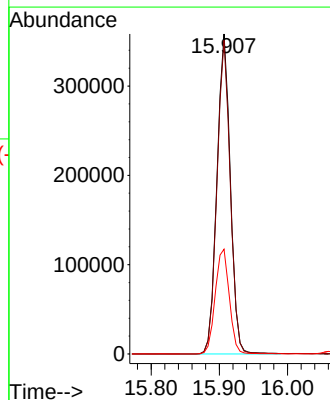
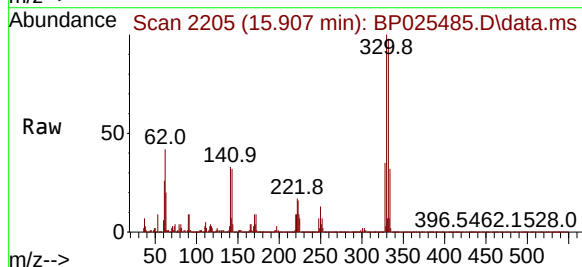
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

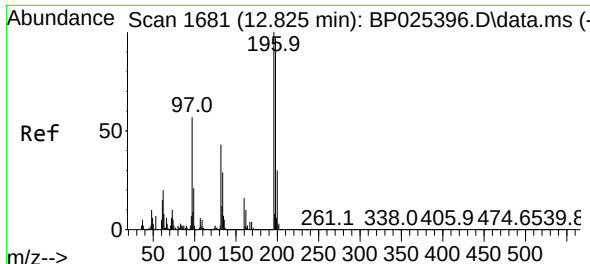
Tgt Ion:237 Resp: 365177
Ion Ratio Lower Upper
237 100
235 64.6 42.7 82.7
272 12.8 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 81.593 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:330 Resp: 489565
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 34.6 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 40.748 ng

RT: 12.825 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

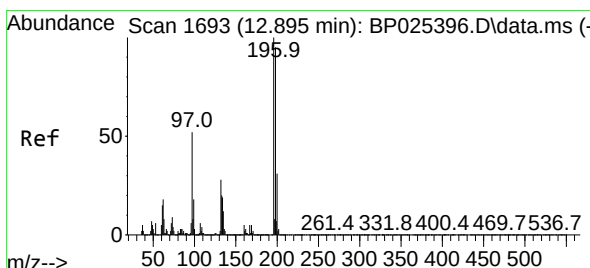
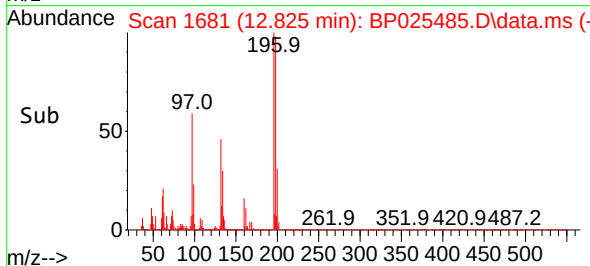
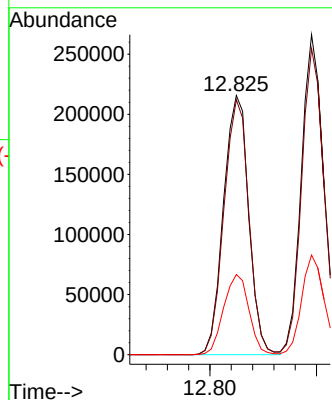
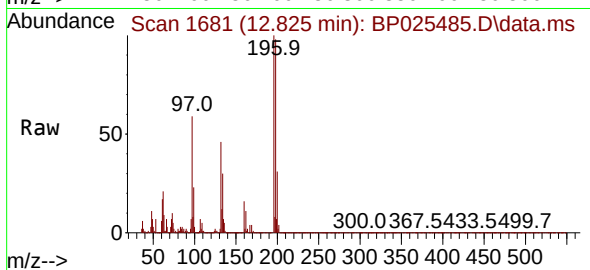
Tgt Ion:196 Resp: 354164

Ion Ratio Lower Upper

196 100

198 98.3 77.2 115.8

200 30.9 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 40.661 ng

RT: 12.895 min Scan# 1693

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Tgt Ion:196 Resp: 387326

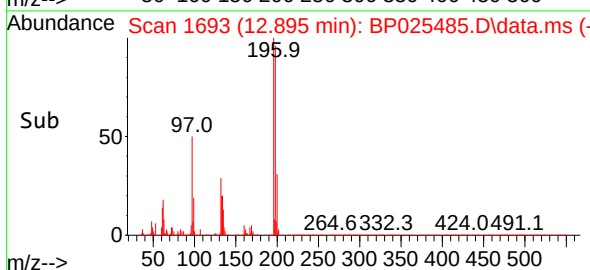
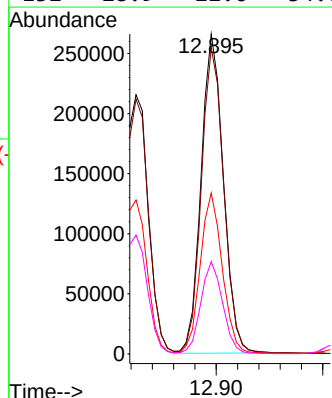
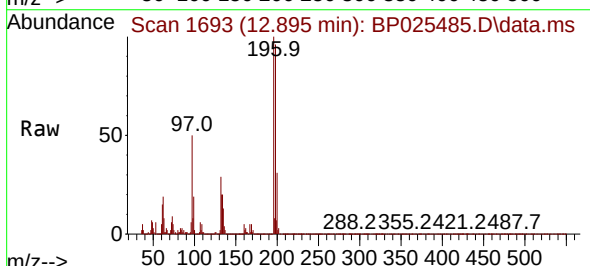
Ion Ratio Lower Upper

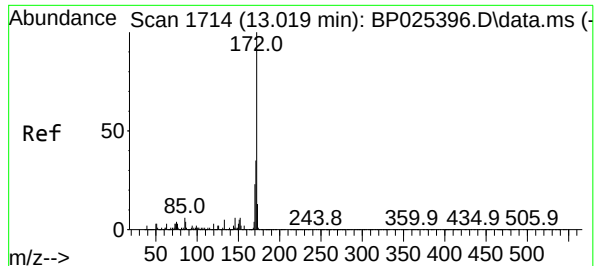
196 100

198 95.7 76.2 114.2

97 50.3 41.2 61.8

132 28.9 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 79.555 ng

RT: 13.013 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

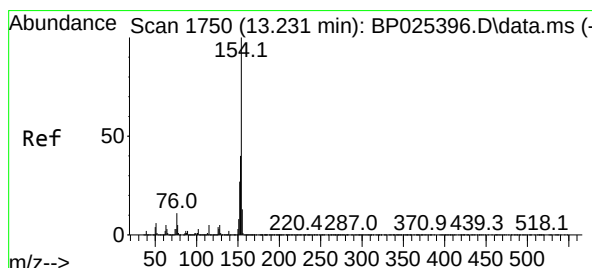
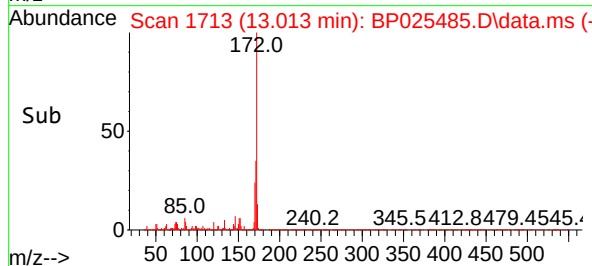
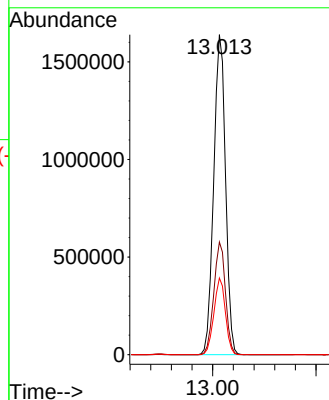
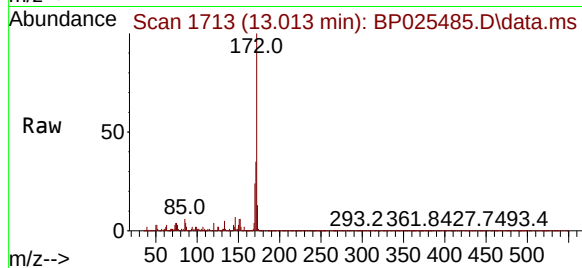
Tgt Ion:172 Resp: 2594828

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.9 18.6 28.0



#46

1,1'-Biphenyl

Concen: 39.926 ng

RT: 13.225 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

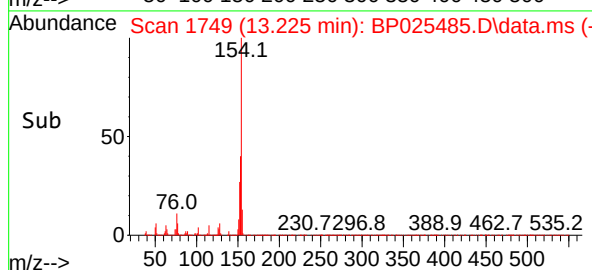
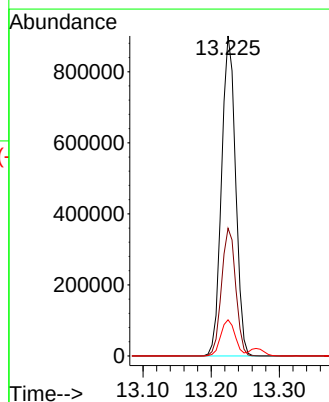
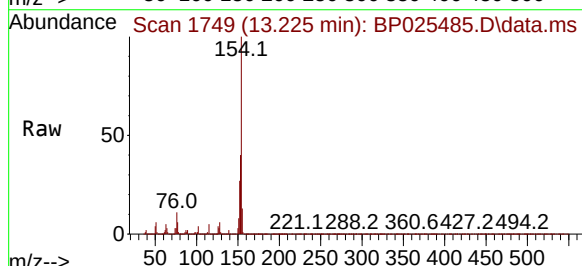
Tgt Ion:154 Resp: 1292572

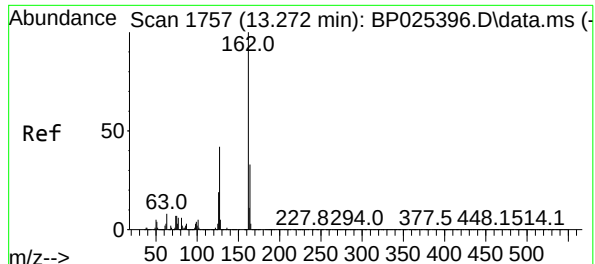
Ion Ratio Lower Upper

154 100

153 39.9 19.5 59.5

76 11.3 0.0 31.1





#47

2-Chloronaphthalene

Concen: 39.925 ng

RT: 13.266 min Scan# 1756

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

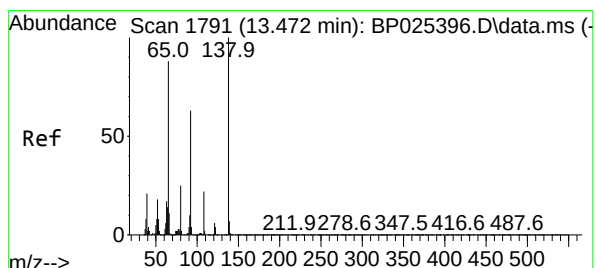
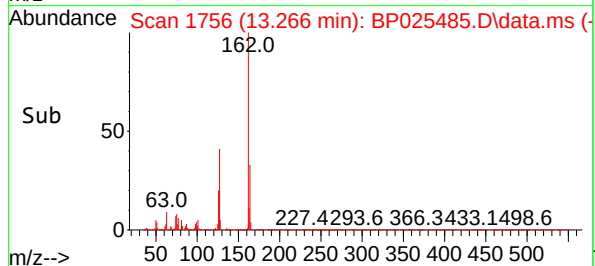
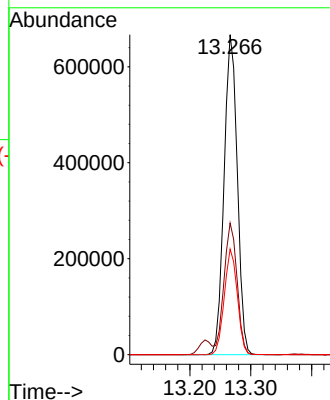
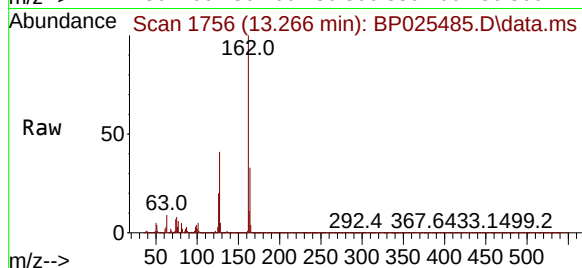
Tgt Ion:162 Resp: 1006226

Ion Ratio Lower Upper

162 100

127 41.2 33.4 50.2

164 33.0 26.2 39.2



#48

2-Nitroaniline

Concen: 42.716 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

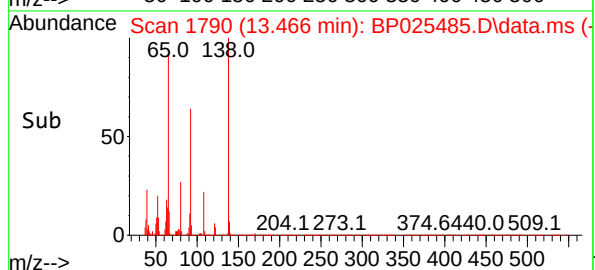
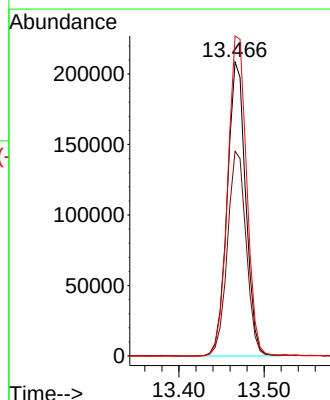
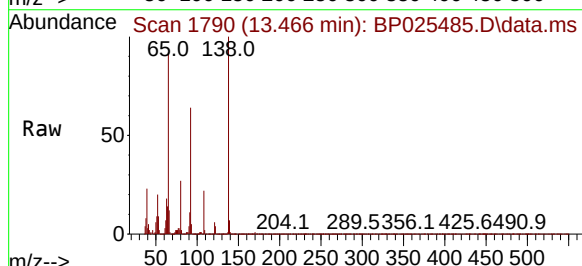
Tgt Ion: 65 Resp: 313692

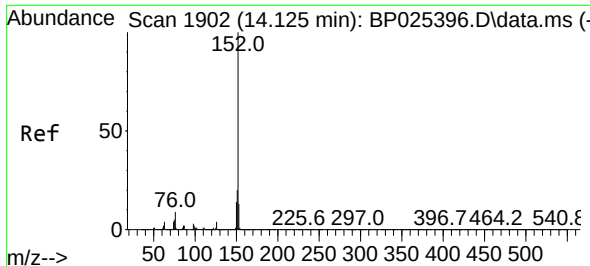
Ion Ratio Lower Upper

65 100

92 69.6 57.6 86.4

138 108.9 91.0 136.6

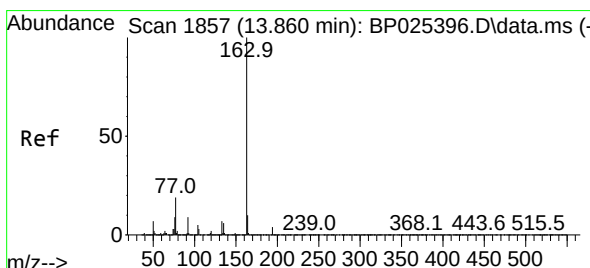
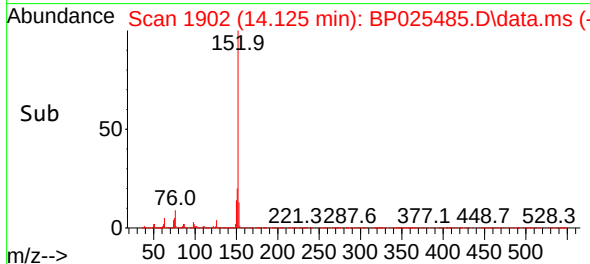
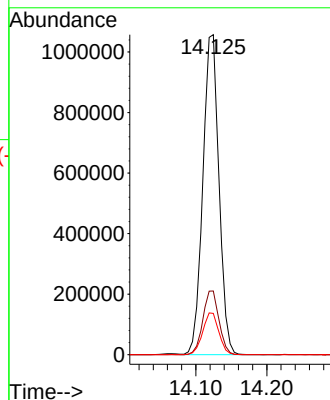
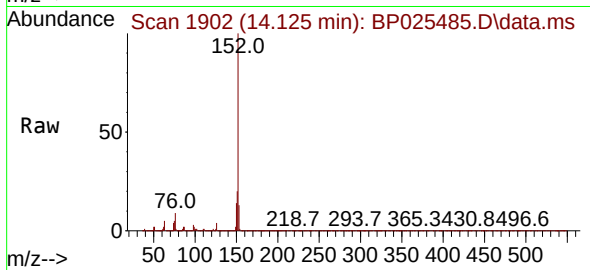




#49
Acenaphthylene
Concen: 40.032 ng
RT: 14.125 min Scan# 1902
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

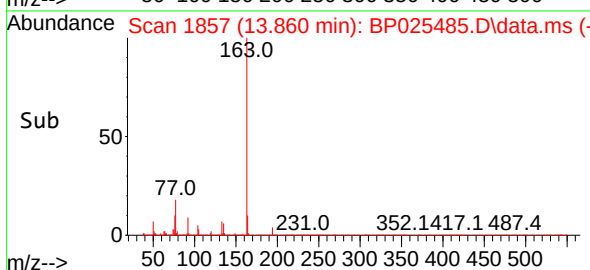
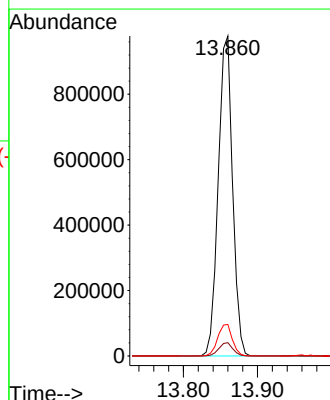
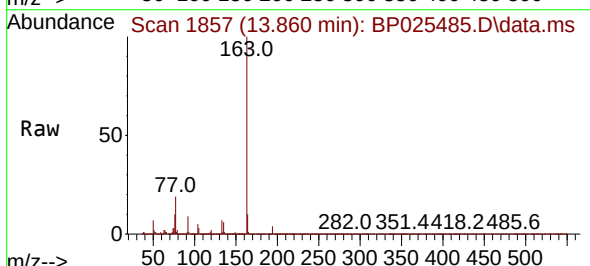
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

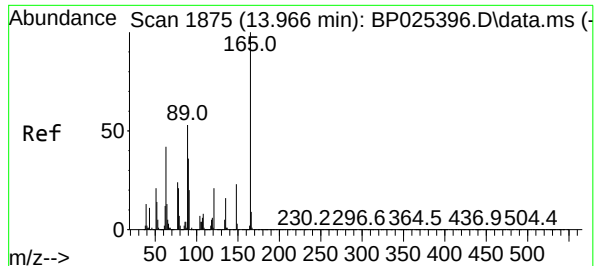
Tgt Ion:152 Resp: 1669485
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 12.9 10.6 15.8



#50
Dimethylphthalate
Concen: 40.193 ng
RT: 13.860 min Scan# 1857
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:163 Resp: 1312044
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 9.8 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 42.121 ng

RT: 13.966 min Scan# 1875

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

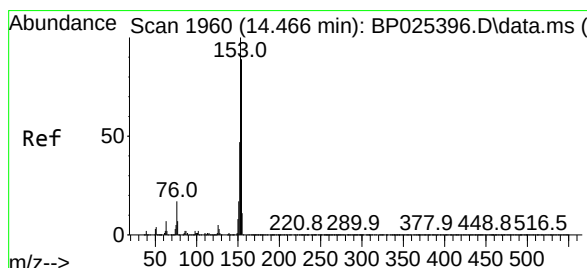
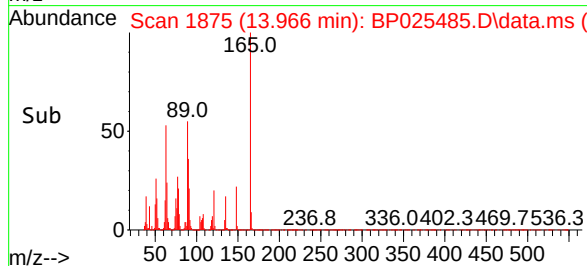
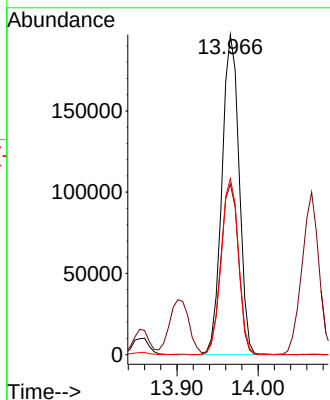
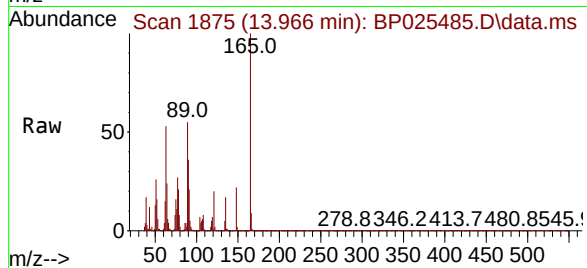
Tgt Ion:165 Resp: 289803

Ion Ratio Lower Upper

165 100

63 53.3 40.9 61.3

89 55.0 42.1 63.1



#52

Acenaphthene

Concen: 39.288 ng

RT: 14.466 min Scan# 1960

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

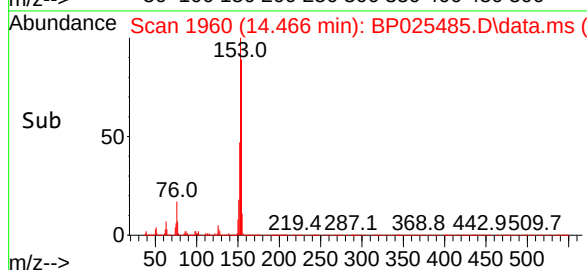
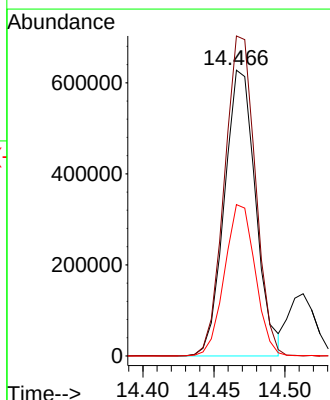
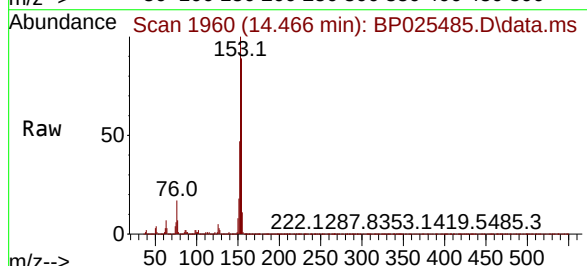
Tgt Ion:154 Resp: 961749

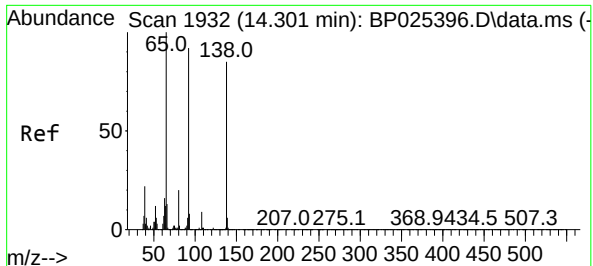
Ion Ratio Lower Upper

154 100

153 112.0 90.2 135.2

152 53.0 42.1 63.1

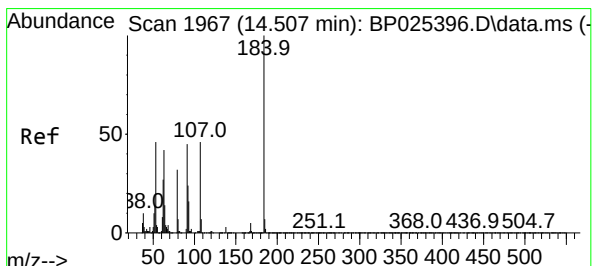
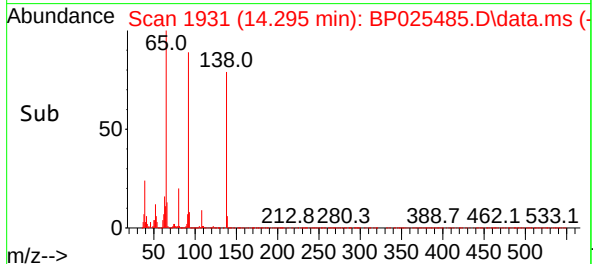
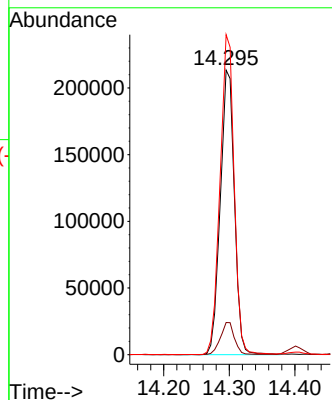
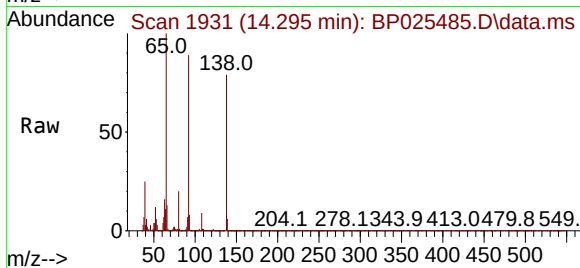




#53
3-Nitroaniline
Concen: 41.010 ng
RT: 14.295 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

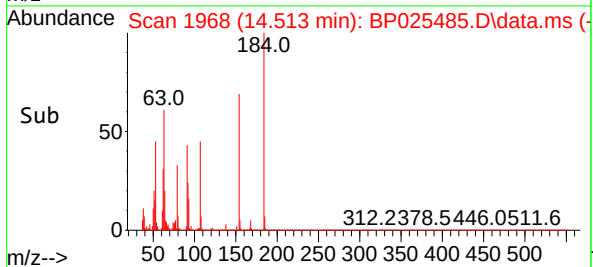
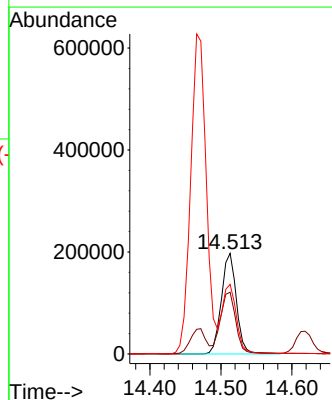
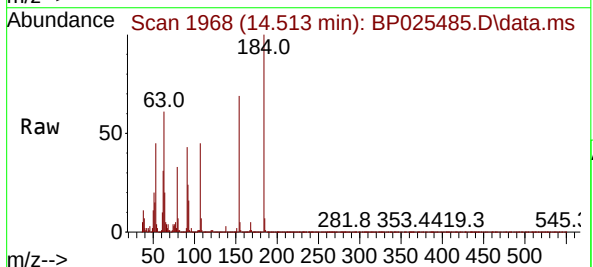
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

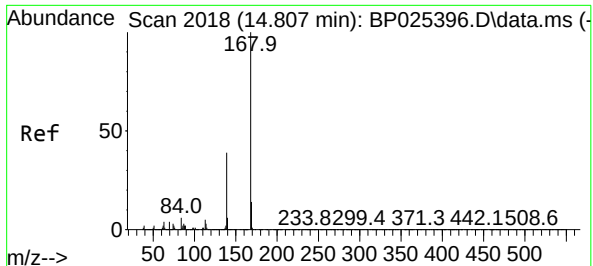
Tgt Ion:138 Resp: 317453
Ion Ratio Lower Upper
138 100
108 11.3 8.3 12.5
92 112.4 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 78.876 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:184 Resp: 289809
Ion Ratio Lower Upper
184 100
63 61.4 49.4 74.2
154 69.2 54.6 82.0





#55

Dibenzenofuran

Concen: 39.644 ng

RT: 14.807 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

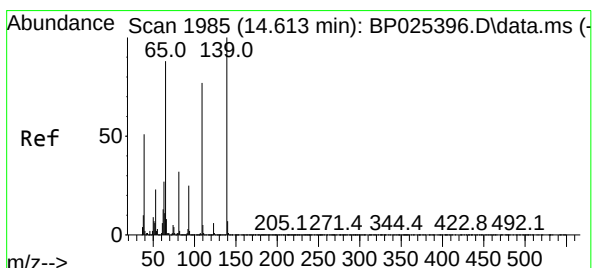
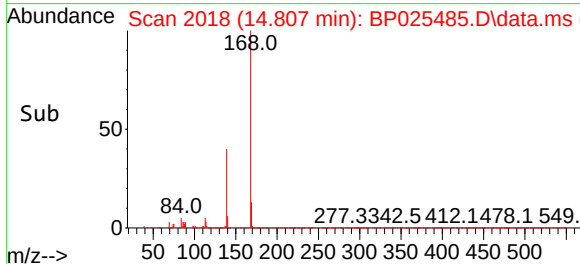
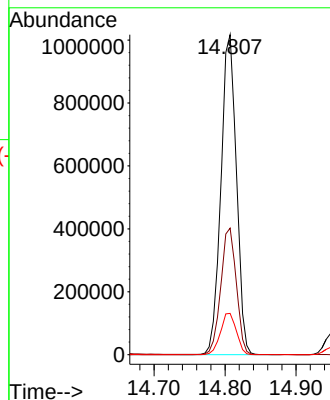
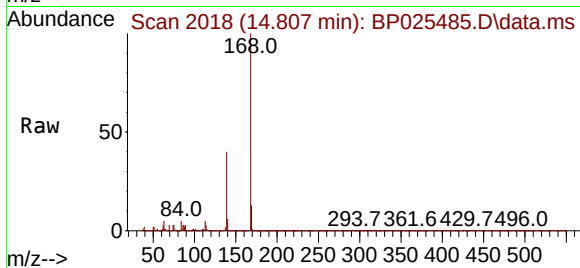
Tgt Ion:168 Resp: 1534315

Ion Ratio Lower Upper

168 100

139 39.5 31.5 47.3

169 12.9 10.9 16.3



#56

4-Nitrophenol

Concen: 40.416 ng

RT: 14.619 min Scan# 1986

Delta R.T. 0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

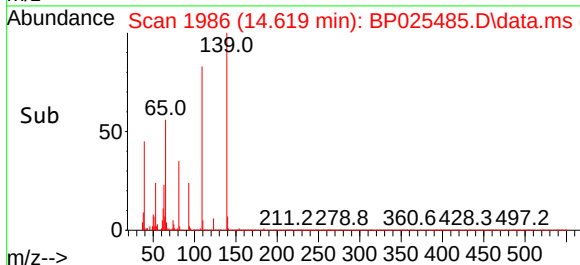
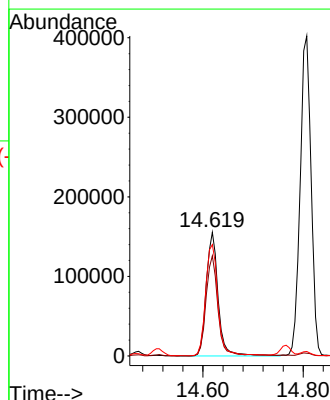
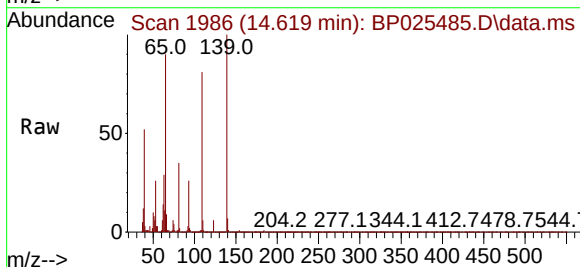
Tgt Ion:139 Resp: 257090

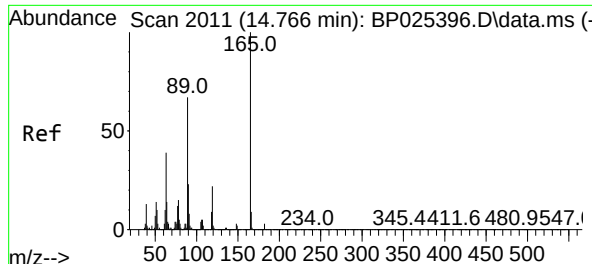
Ion Ratio Lower Upper

139 100

109 81.0 56.6 96.6

65 90.0 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 42.059 ng

RT: 14.766 min Scan# 2011

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:165 Resp: 412864

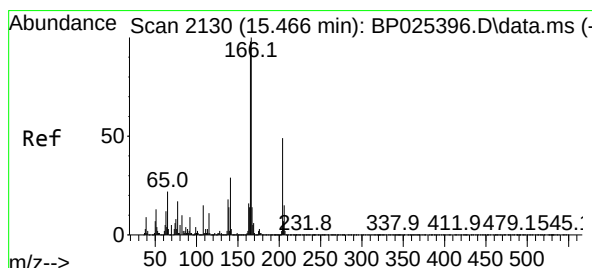
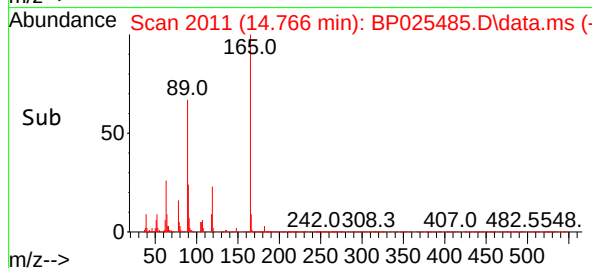
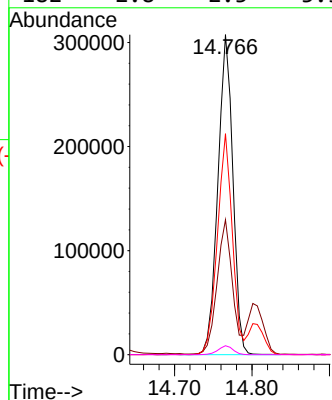
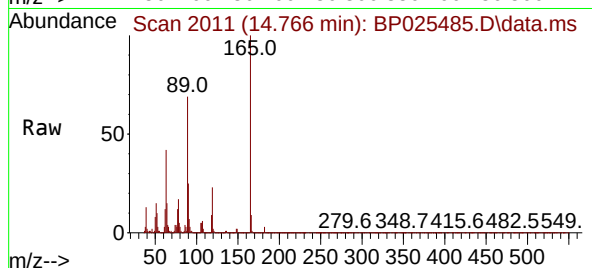
Ion Ratio Lower Upper

165 100

63 42.1 31.4 47.2

89 69.1 53.3 79.9

182 2.8 2.3 3.5



#58

Fluorene

Concen: 38.790 ng

RT: 15.460 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

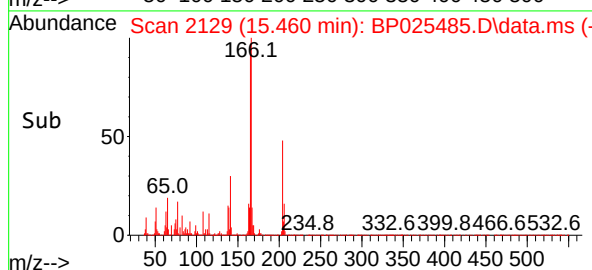
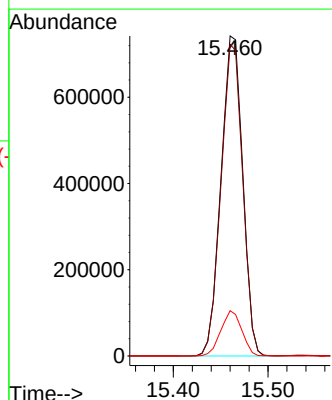
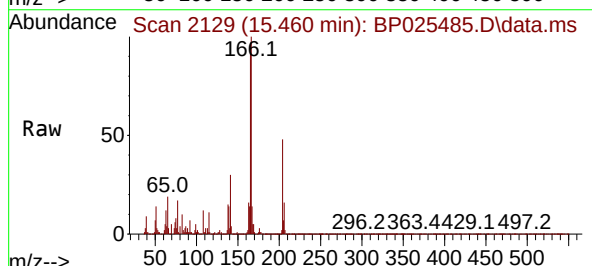
Tgt Ion:166 Resp: 1184590

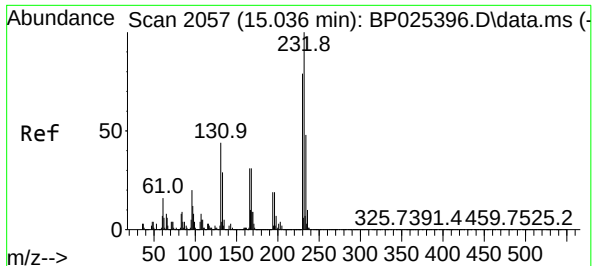
Ion Ratio Lower Upper

166 100

165 97.4 78.8 118.2

167 14.2 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 41.236 ng

RT: 15.030 min Scan# 2057

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:232 Resp: 346838

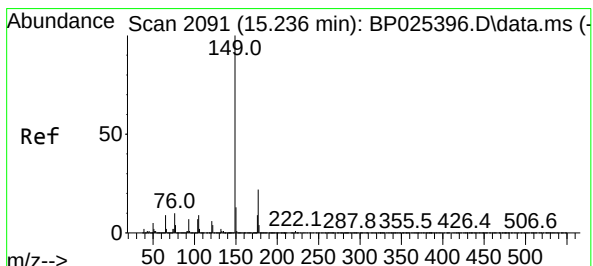
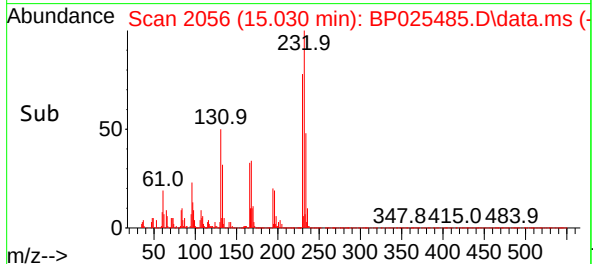
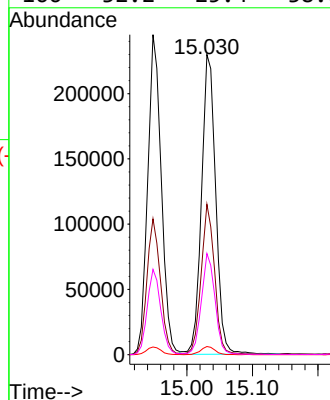
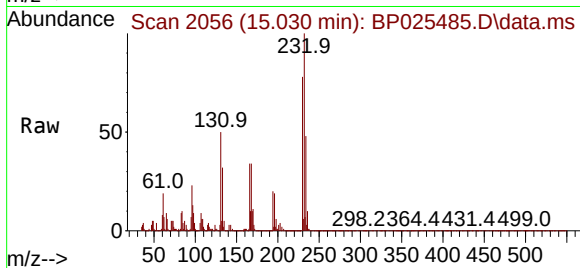
Ion Ratio Lower Upper

232 100

131 47.4 37.0 55.6

130 2.7 1.9 2.9

166 32.2 25.4 38.0



#60

Diethylphthalate

Concen: 40.422 ng

RT: 15.236 min Scan# 2091

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

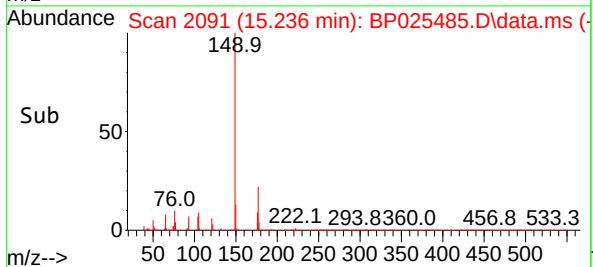
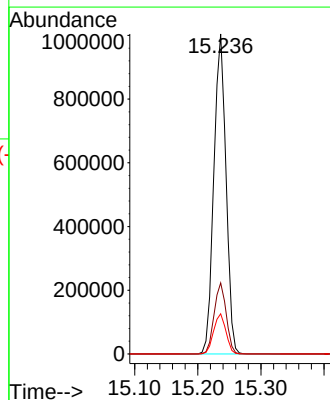
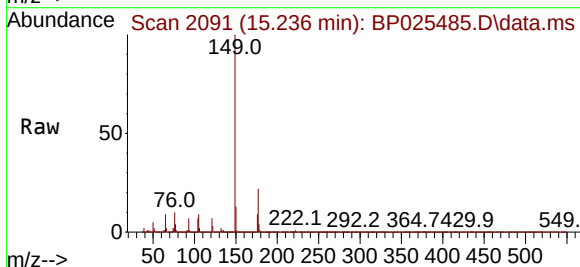
Tgt Ion:149 Resp: 1340756

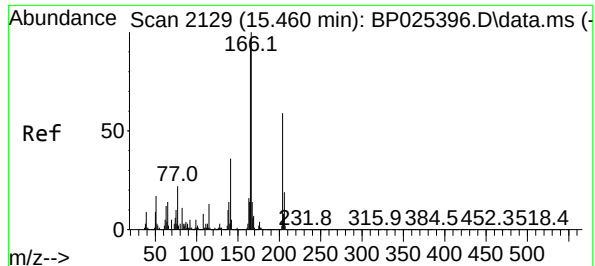
Ion Ratio Lower Upper

149 100

177 22.2 17.3 25.9

150 12.5 10.3 15.5

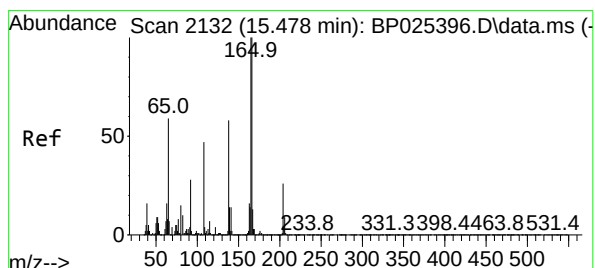
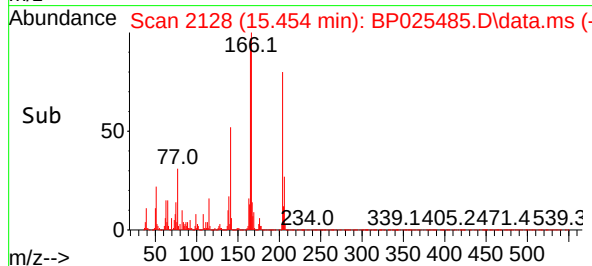
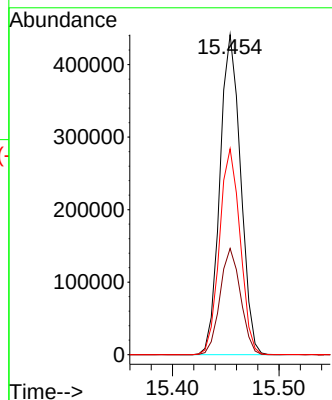
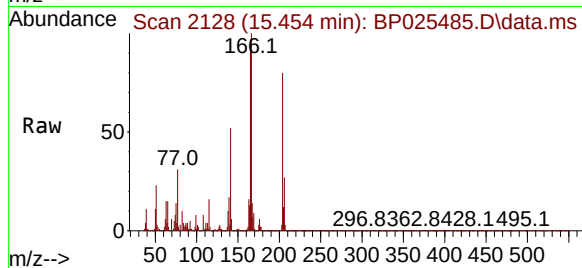




#61
4-Chlorophenyl-phenylether
Concen: 39.215 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

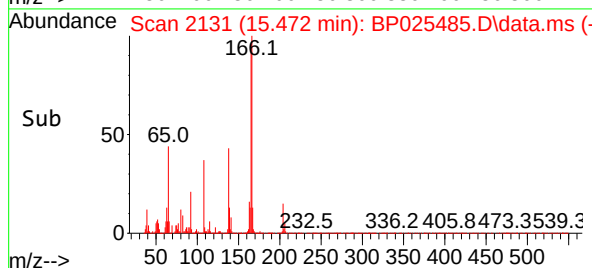
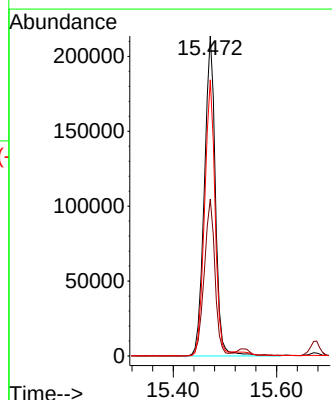
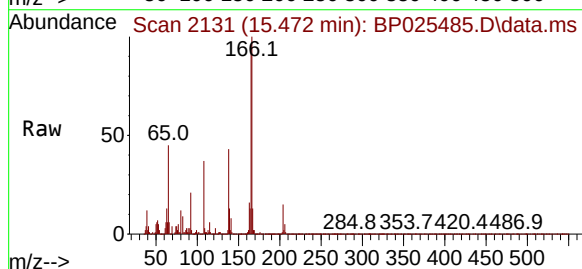
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

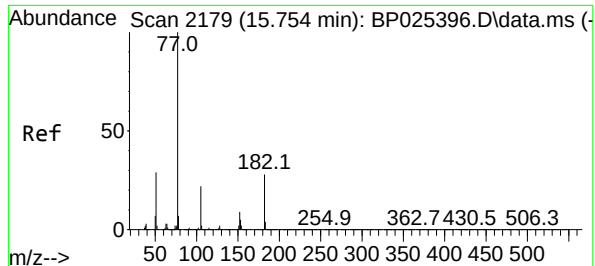
Tgt Ion:204 Resp: 595598
Ion Ratio Lower Upper
204 100
206 33.2 25.8 38.8
141 64.4 49.4 74.2



#62
4-Nitroaniline
Concen: 39.899 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:138 Resp: 316634
Ion Ratio Lower Upper
138 100
92 49.1 29.1 69.1
108 86.3 61.5 101.5





#63

Azobenzene

Concen: 41.554 ng

RT: 15.754 min Scan# 2179

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 77 Resp: 1180195

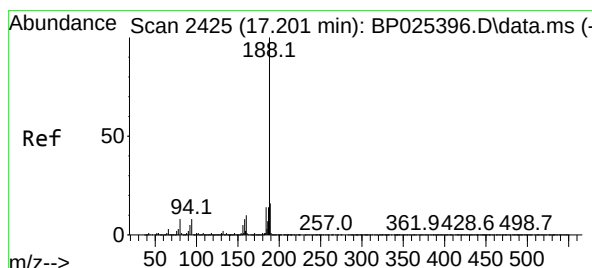
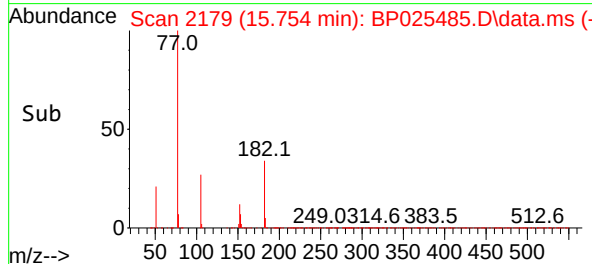
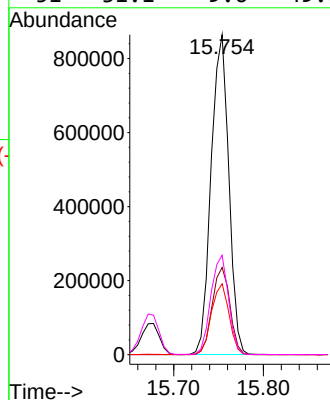
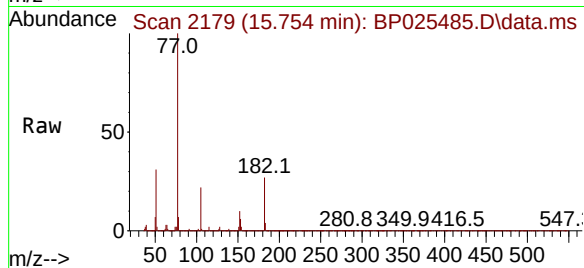
Ion Ratio Lower Upper

77 100

182 27.3 7.5 47.5

105 22.1 2.1 42.1

51 31.1 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

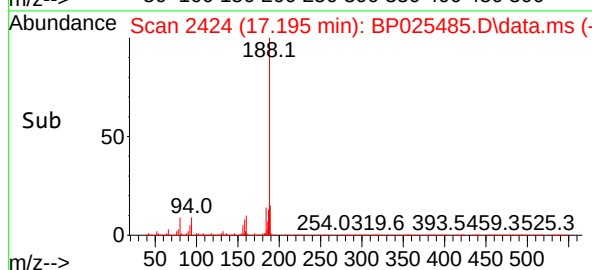
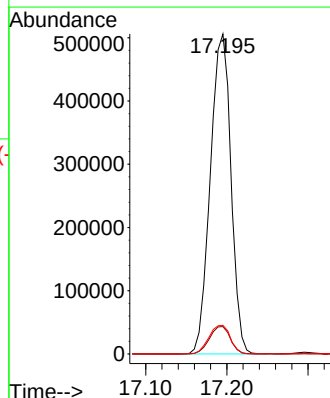
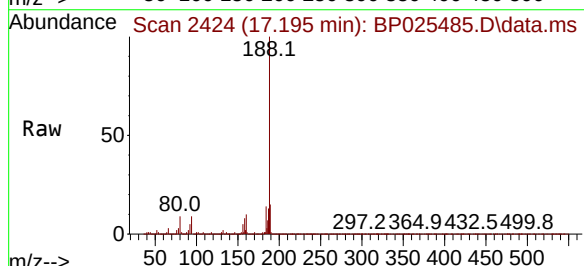
Tgt Ion:188 Resp: 892187

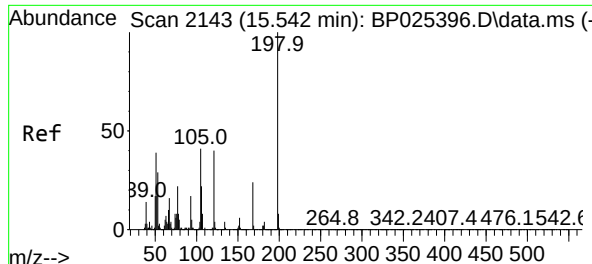
Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 8.9 6.7 10.1





#65

4,6-Dinitro-2-methylphenol

Concen: 57.102 ng

RT: 15.536 min Scan# 2142

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

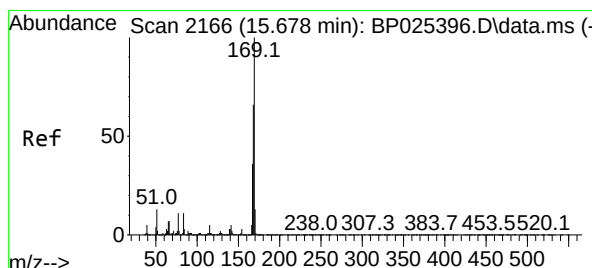
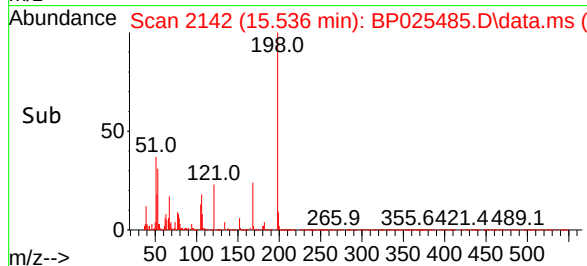
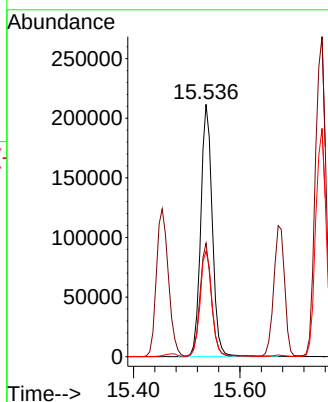
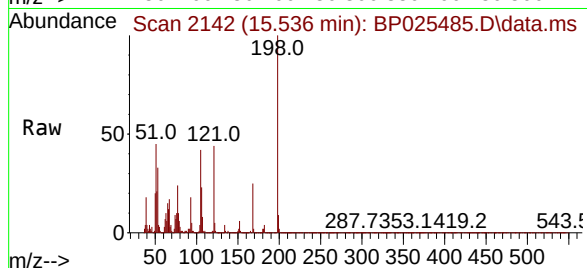
Tgt Ion:198 Resp: 317569

Ion Ratio Lower Upper

198 100

51 45.0 19.6 59.6

105 41.8 20.9 60.9



#66

n-Nitrosodiphenylamine

Concen: 40.077 ng

RT: 15.677 min Scan# 2166

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

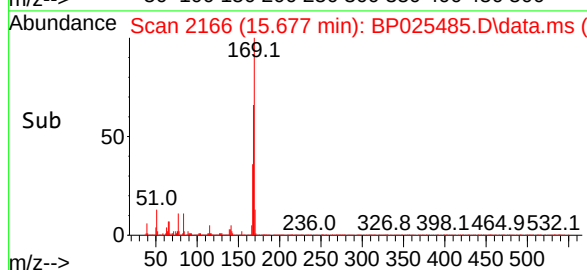
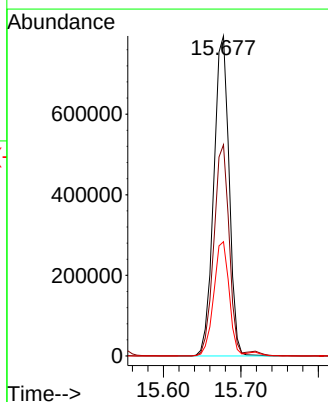
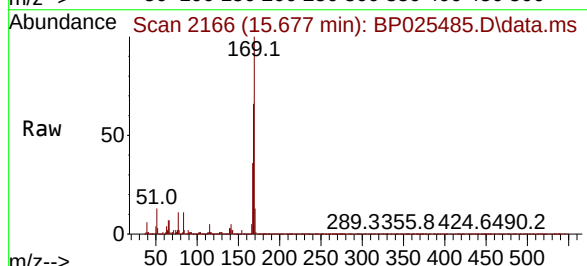
Tgt Ion:169 Resp: 1090366

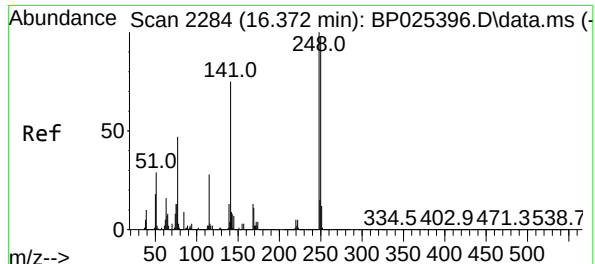
Ion Ratio Lower Upper

169 100

168 66.0 53.2 79.8

167 35.7 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 39.677 ng

RT: 16.366 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

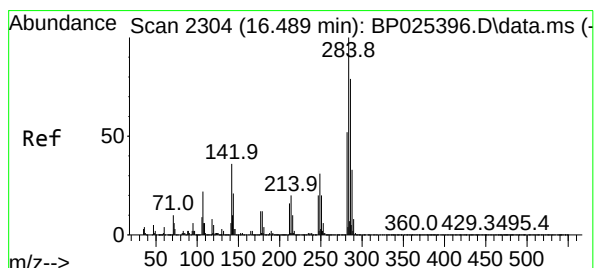
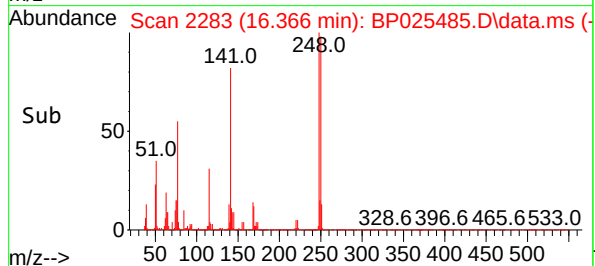
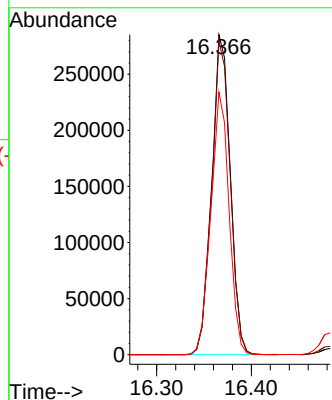
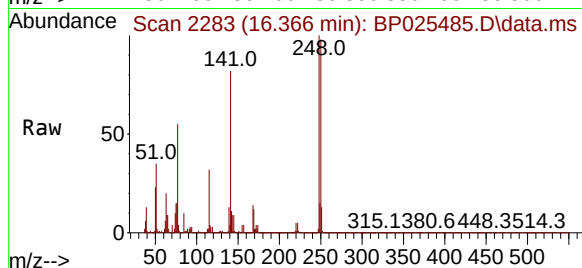
Tgt Ion:248 Resp: 389327

Ion Ratio Lower Upper

248 100

250 98.0 78.2 117.2

141 82.1 59.6 89.4



#68

Hexachlorobenzene

Concen: 40.328 ng

RT: 16.483 min Scan# 2303

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

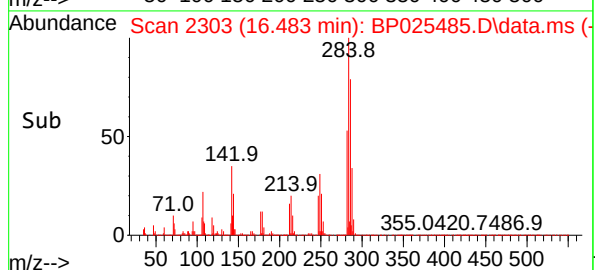
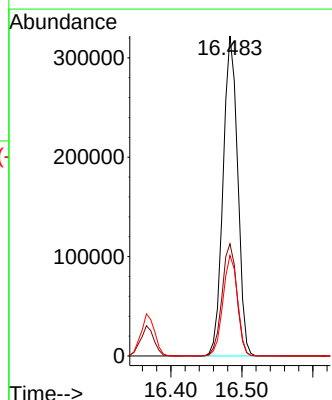
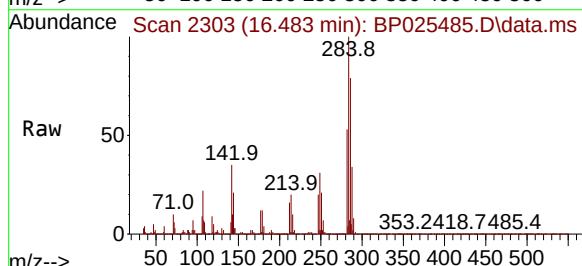
Tgt Ion:284 Resp: 458719

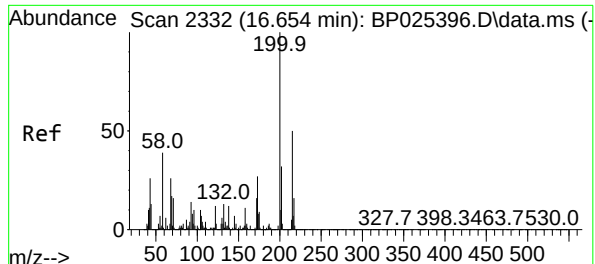
Ion Ratio Lower Upper

284 100

142 35.0 29.1 43.7

249 31.4 25.0 37.4





#69

Atrazine

Concen: 40.095 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

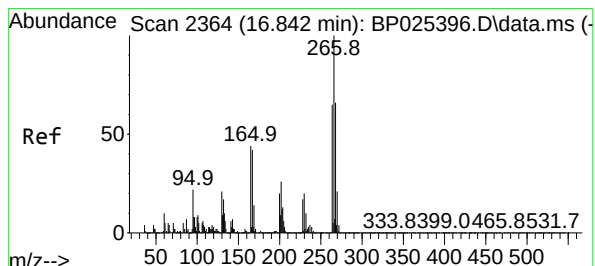
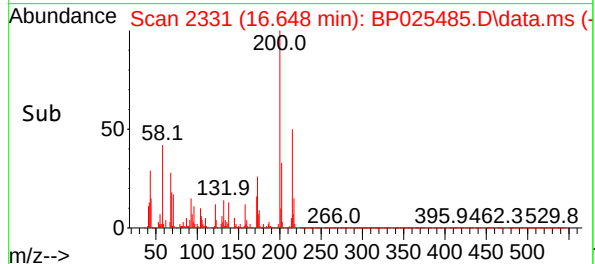
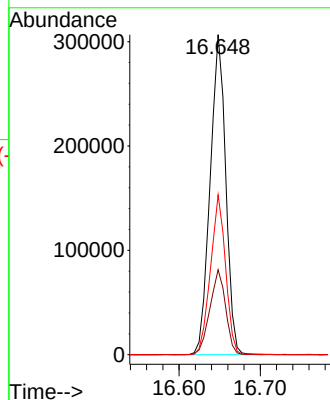
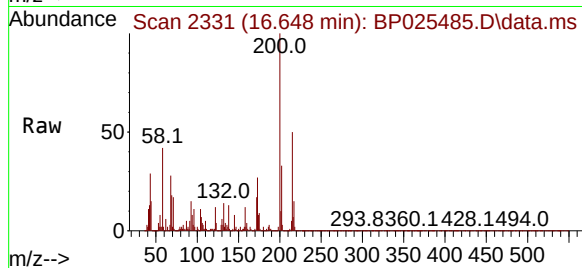
Tgt Ion:200 Resp: 408523

Ion Ratio Lower Upper

200 100

173 26.5 6.7 46.7

215 49.9 29.7 69.7



#70

Pentachlorophenol

Concen: 41.221 ng

RT: 16.836 min Scan# 2363

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

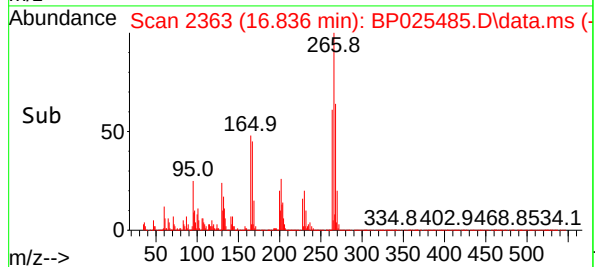
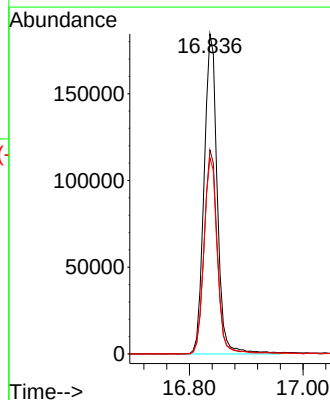
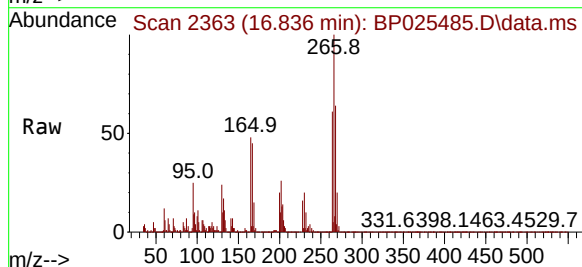
Tgt Ion:266 Resp: 295975

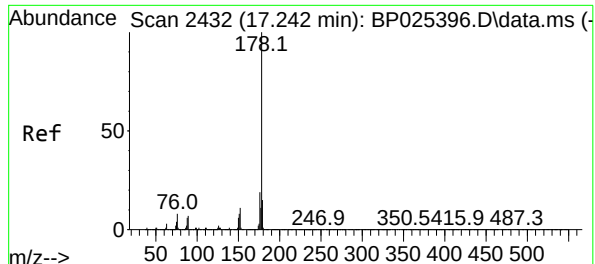
Ion Ratio Lower Upper

266 100

268 63.7 52.6 79.0

264 61.3 52.0 78.0





#71

Phenanthrene

Concen: 39.509 ng

RT: 17.242 min Scan# 2432

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

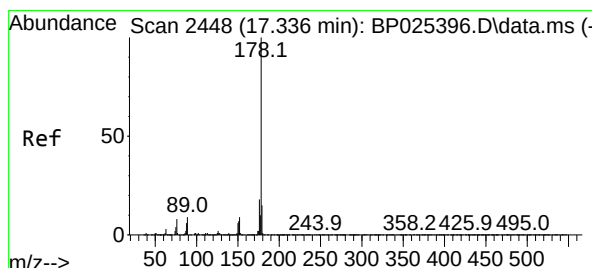
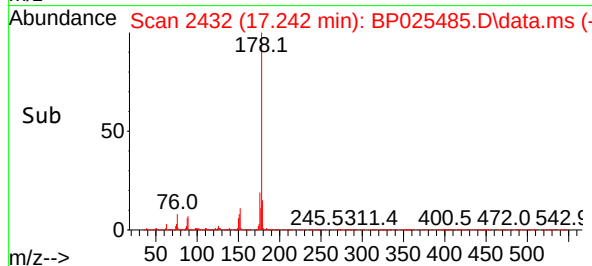
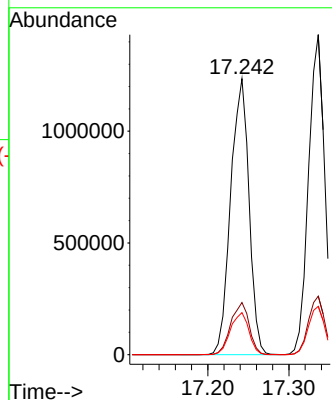
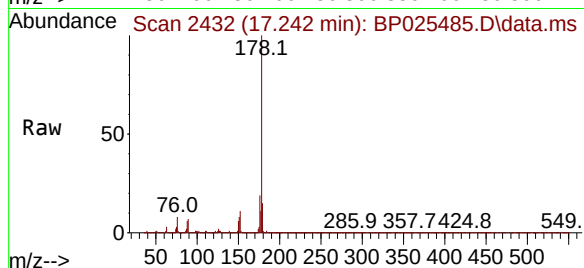
Tgt Ion:178 Resp: 1936352

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.3 12.2 18.4



#72

Anthracene

Concen: 39.778 ng

RT: 17.336 min Scan# 2448

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

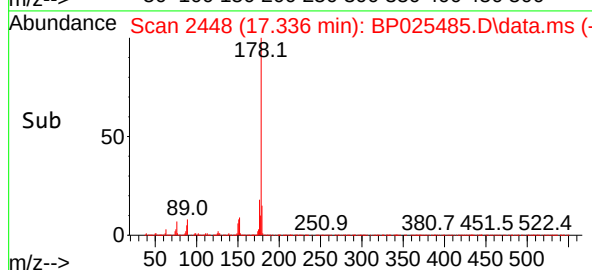
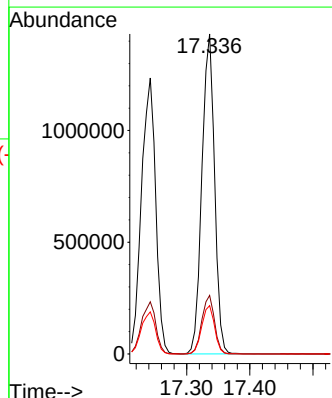
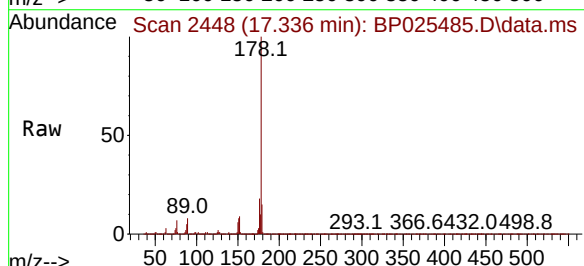
Tgt Ion:178 Resp: 1990880

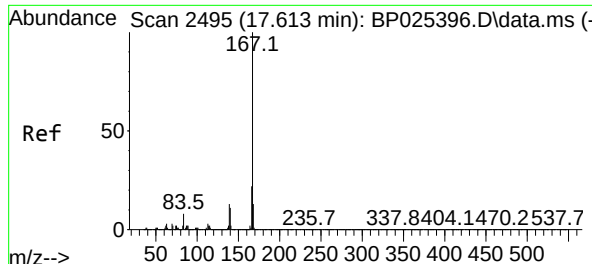
Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 15.1 12.2 18.2

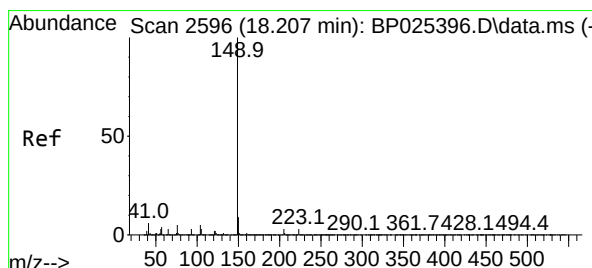
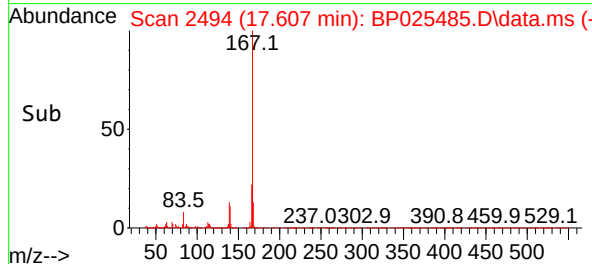
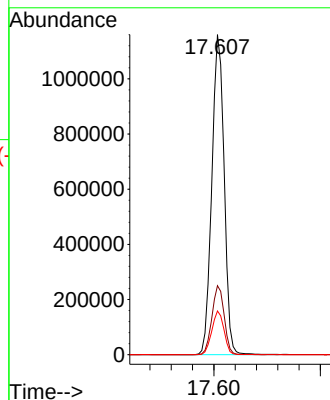
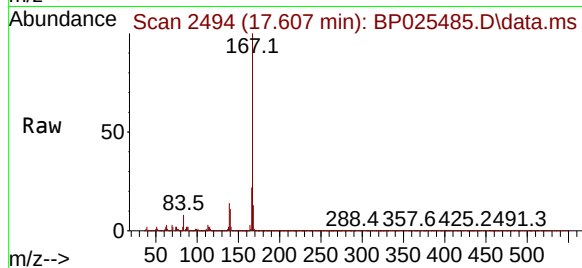




#73
 Carbazole
 Concen: 39.535 ng
 RT: 17.607 min Scan# 2495
 Delta R.T. -0.006 min
 Lab File: BP025485.D
 Acq: 19 Aug 2025 21:43

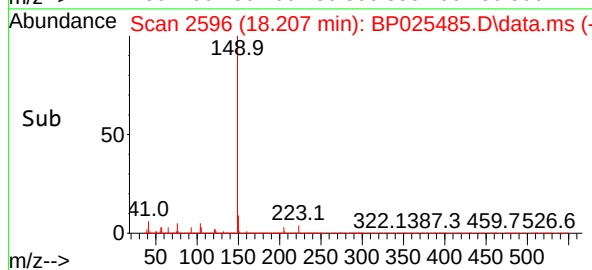
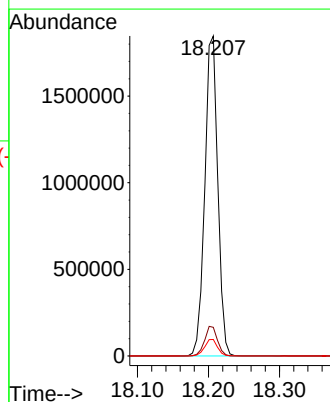
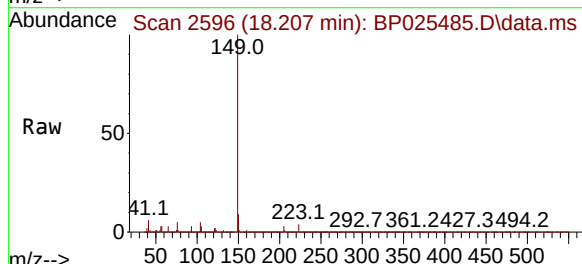
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

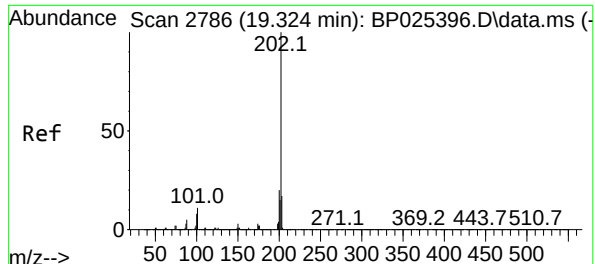
Tgt Ion:167 Resp: 1863783
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.5 26.3
 139 13.6 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 40.549 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. -0.000 min
 Lab File: BP025485.D
 Acq: 19 Aug 2025 21:43

Tgt Ion:149 Resp: 2351889
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.0
 104 5.2 4.2 6.2

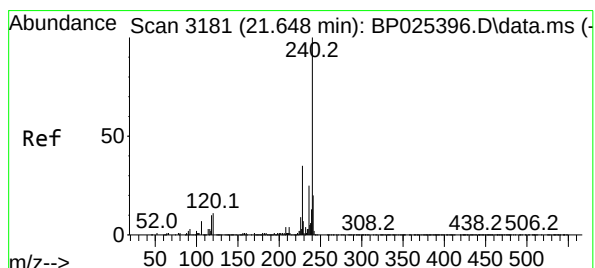
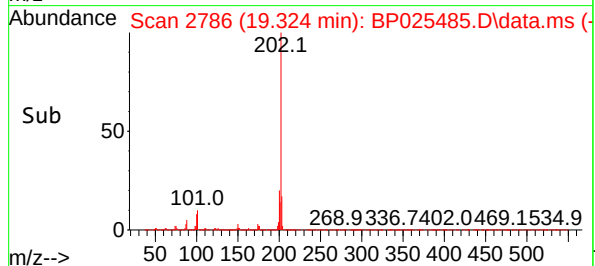
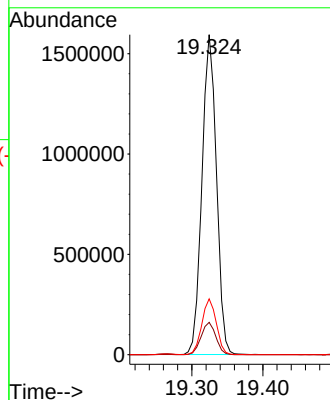
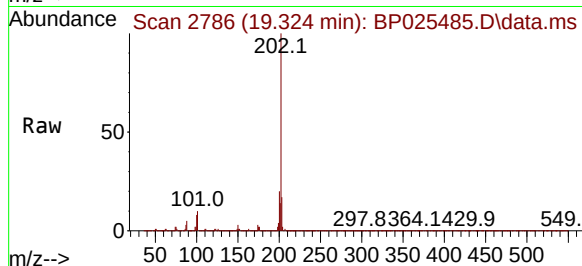




#75
Fluoranthene
Concen: 38.784 ng
RT: 19.324 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

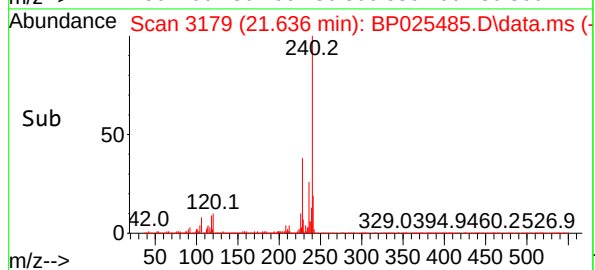
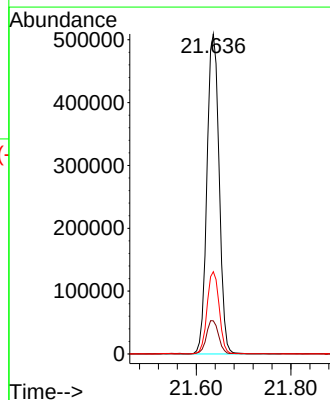
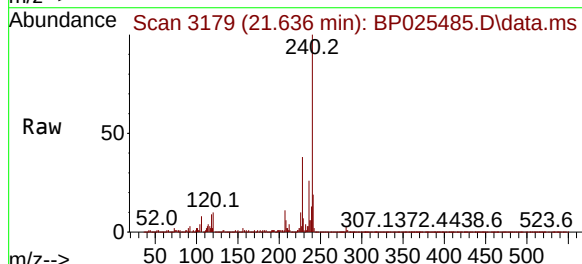
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

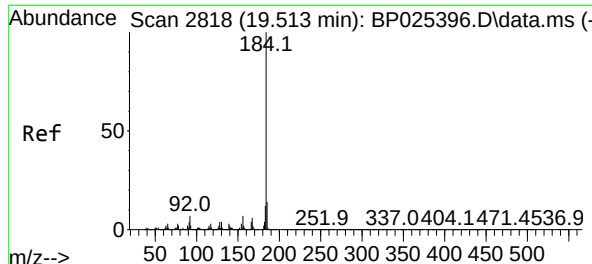
Tgt Ion:202 Resp: 2267363
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.1
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:240 Resp: 906884
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.7 19.8 29.8

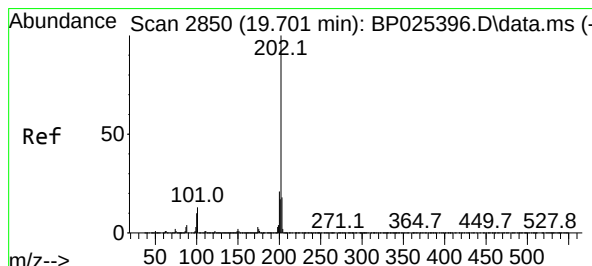
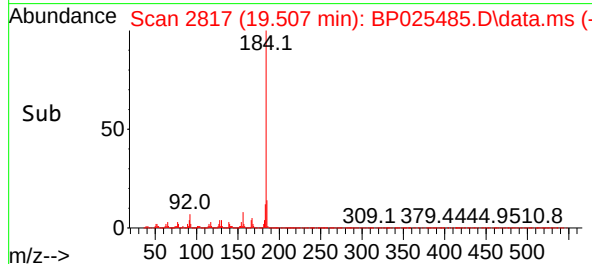
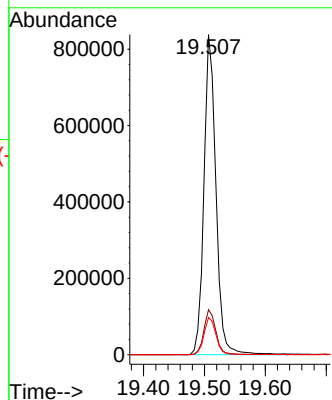
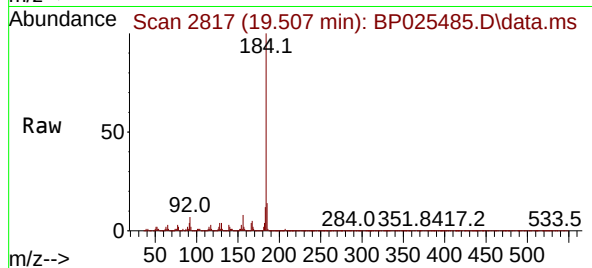




#77
Benzidine
Concen: 37.009 ng
RT: 19.507 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

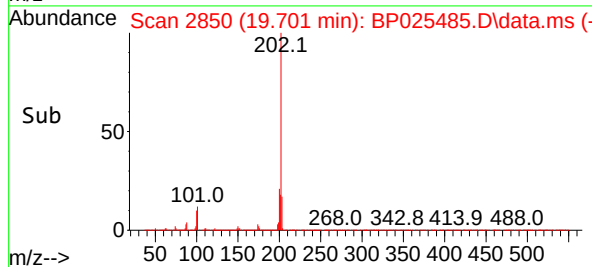
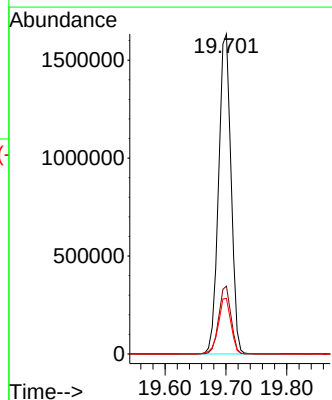
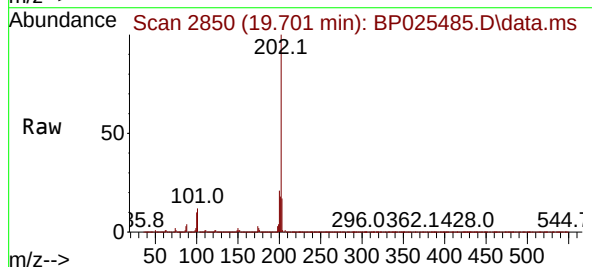
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

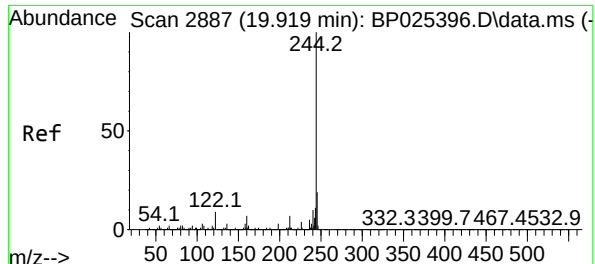
Tgt Ion:184 Resp: 1145425
Ion Ratio Lower Upper
184 100
185 14.0 11.5 17.3
183 11.6 9.4 14.2



#78
Pyrene
Concen: 39.194 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:202 Resp: 2310305
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 79.436 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

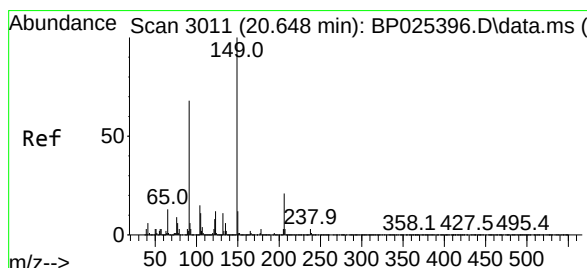
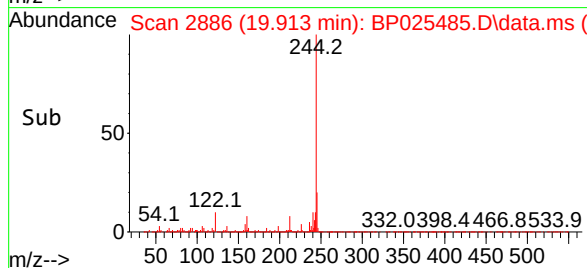
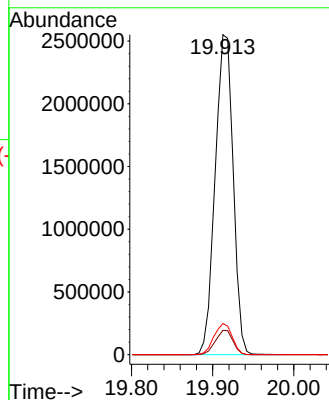
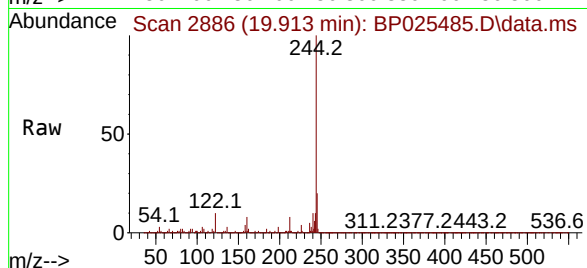
Tgt Ion:244 Resp: 3937508

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 9.8 7.4 11.2



#80

Butylbenzylphthalate

Concen: 41.260 ng

RT: 20.648 min Scan# 3011

Delta R.T. -0.000 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

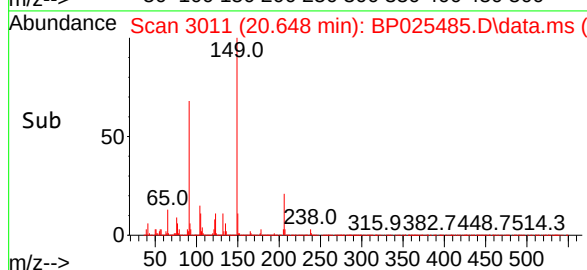
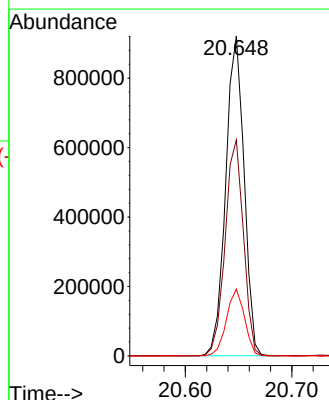
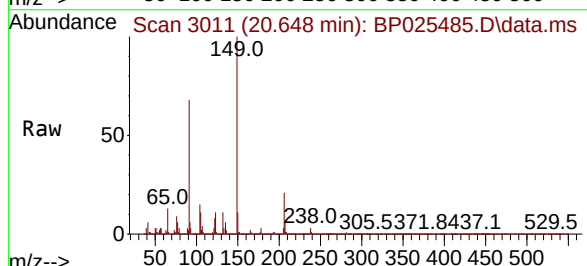
Tgt Ion:149 Resp: 1102249

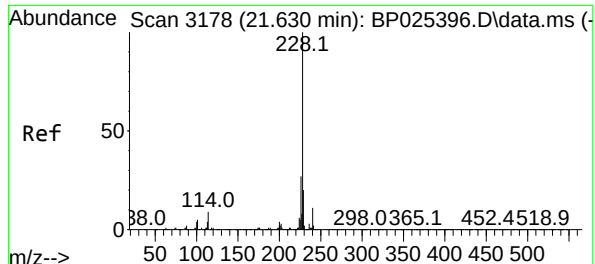
Ion Ratio Lower Upper

149 100

91 67.5 54.2 81.2

206 20.9 16.6 24.8





#81

Benzo(a)anthracene

Concen: 39.492 ng

RT: 21.618 min Scan# 3176

Delta R.T. -0.012 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

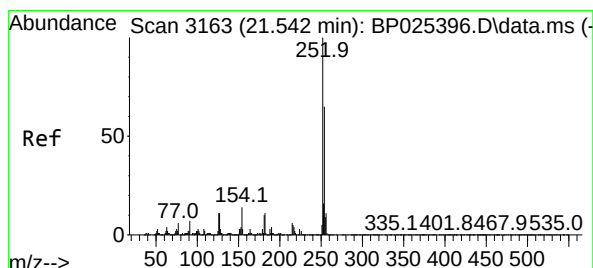
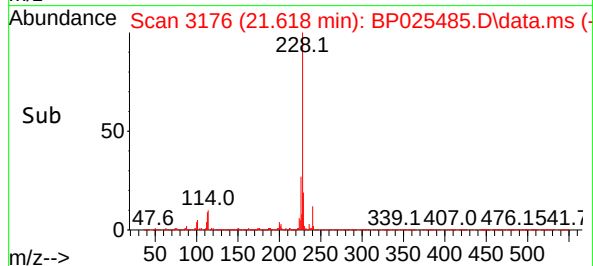
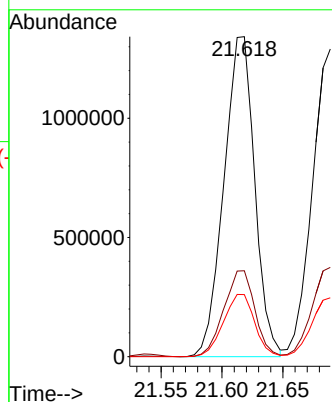
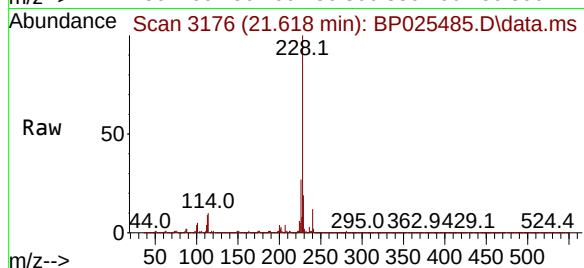
Tgt Ion:228 Resp: 2361970

Ion Ratio Lower Upper

228 100

226 26.9 21.7 32.5

229 19.4 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 38.525 ng

RT: 21.536 min Scan# 3162

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

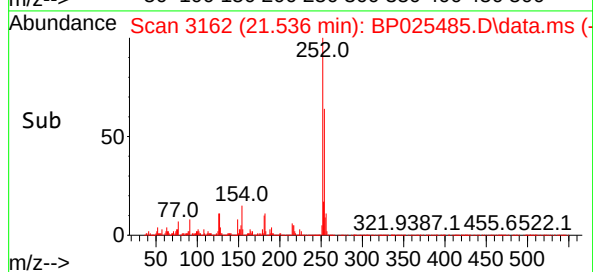
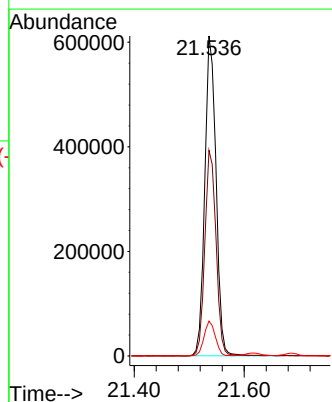
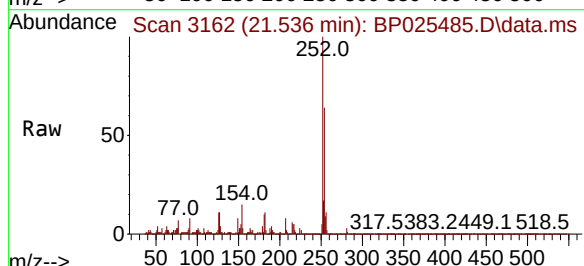
Tgt Ion:252 Resp: 868498

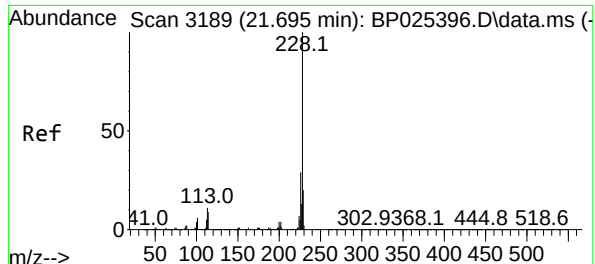
Ion Ratio Lower Upper

252 100

254 64.2 51.8 77.6

126 10.9 9.1 13.7





#83

Chrysene

Concen: 39.880 ng

RT: 21.689 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

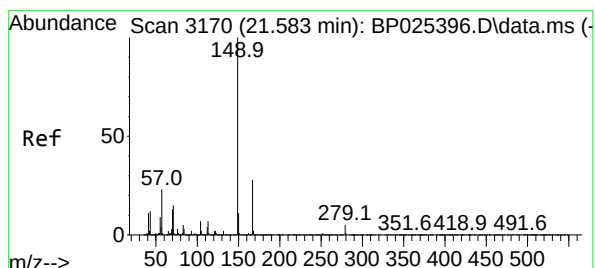
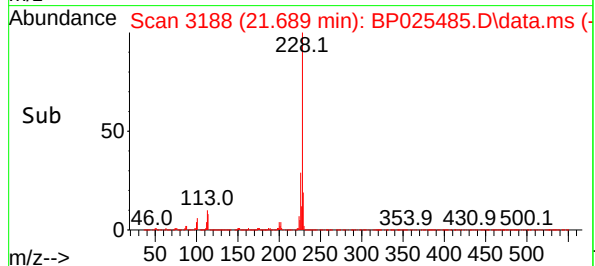
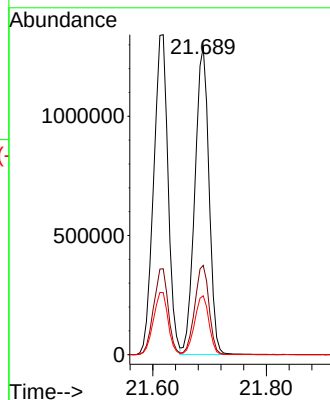
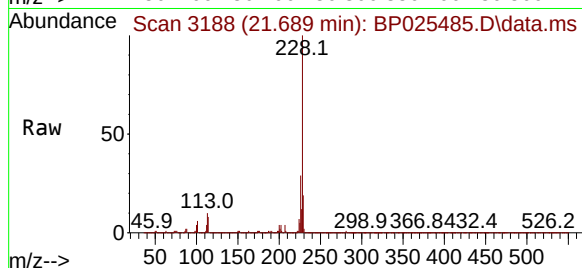
Tgt Ion:228 Resp: 2233747

Ion Ratio Lower Upper

228 100

226 29.0 23.2 34.8

229 19.2 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.902 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.024 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

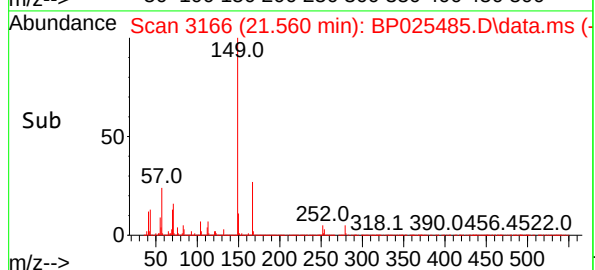
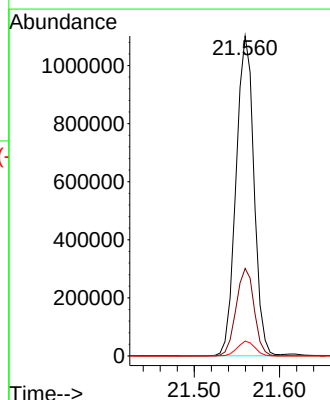
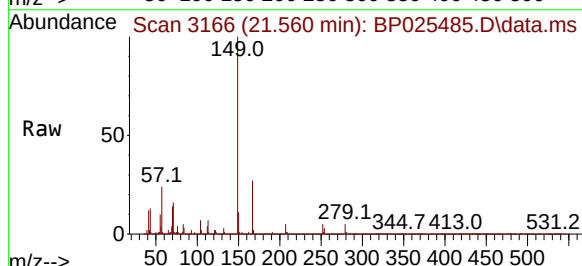
Tgt Ion:149 Resp: 1608462

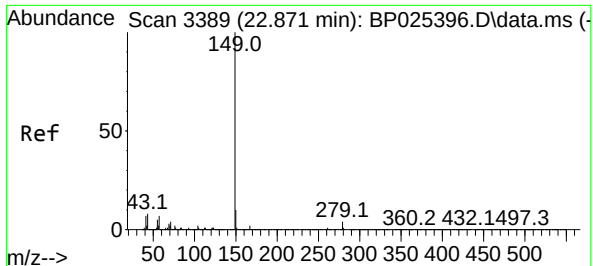
Ion Ratio Lower Upper

149 100

167 27.4 22.1 33.1

279 4.7 3.8 5.6

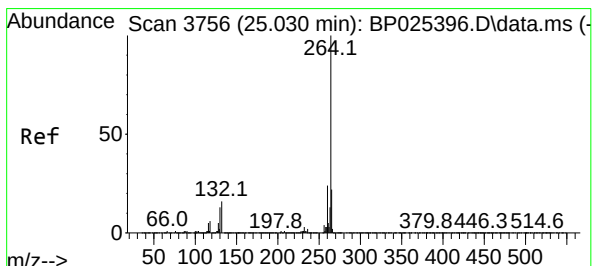
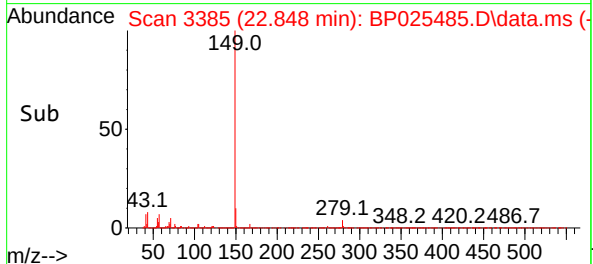
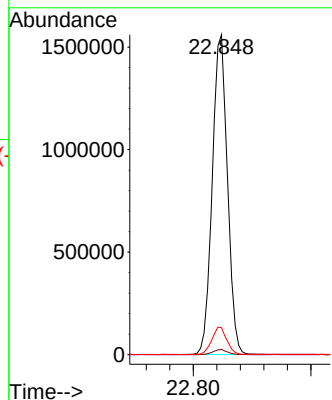
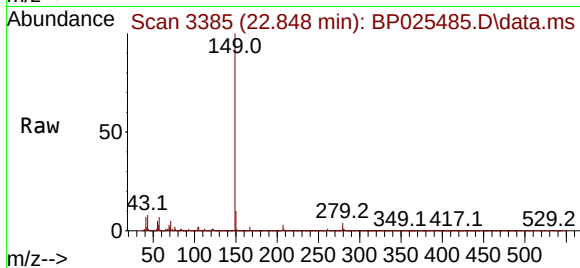




#85
Di-n-octyl phthalate
Concen: 41.242 ng
RT: 22.848 min Scan# 31
Delta R.T. -0.024 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

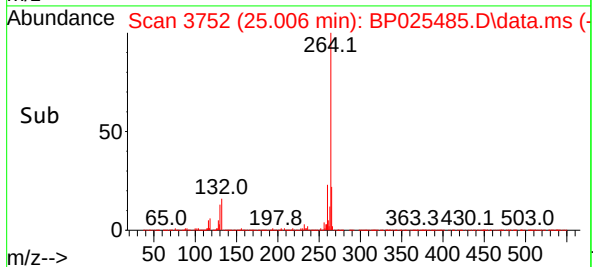
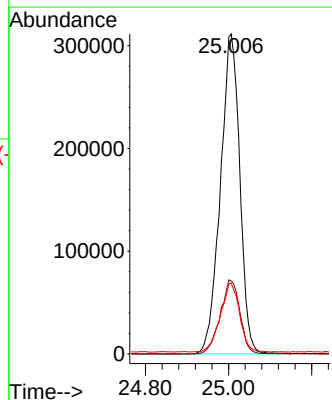
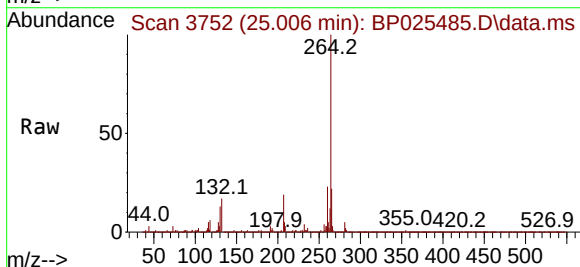
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

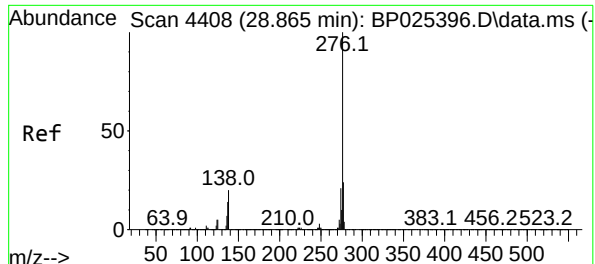
Tgt Ion:149 Resp: 2789645
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.4 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.006 min Scan# 3752
Delta R.T. -0.024 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:264 Resp: 1007482
Ion Ratio Lower Upper
264 100
260 22.8 19.3 28.9
265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.529 ng

RT: 28.824 min Scan# 4408

Delta R.T. -0.041 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

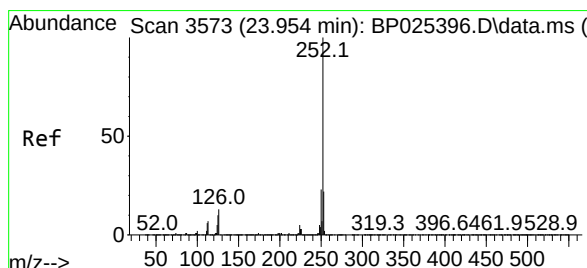
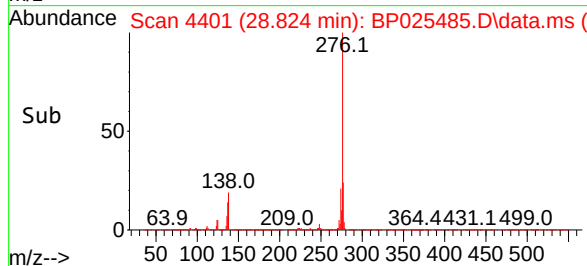
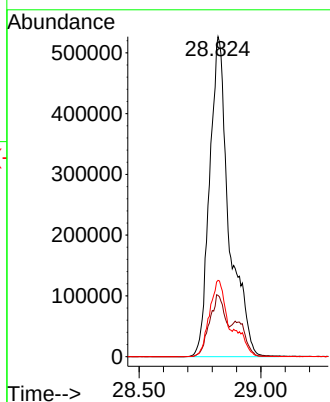
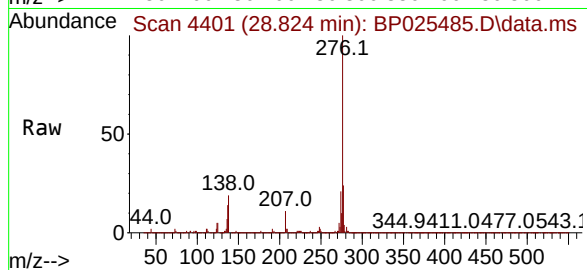
Tgt Ion:276 Resp: 2920576

Ion Ratio Lower Upper

276 100

138 15.8 12.9 19.3

277 20.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 39.577 ng

RT: 23.936 min Scan# 3570

Delta R.T. -0.018 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

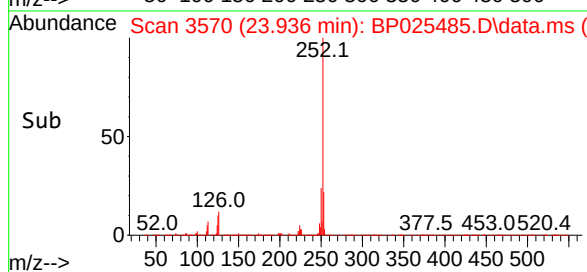
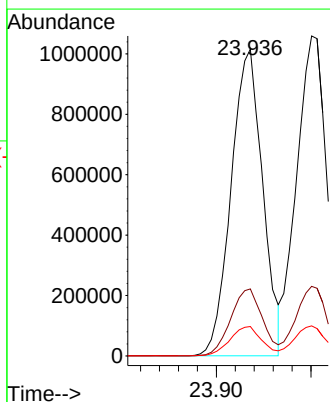
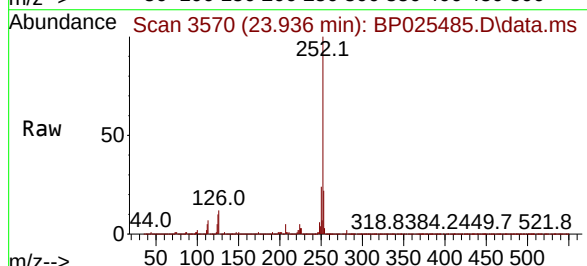
Tgt Ion:252 Resp: 2351174

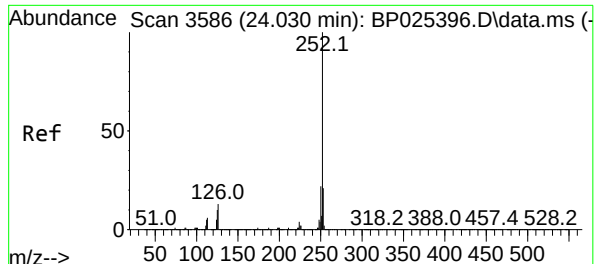
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 9.6 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 39.857 ng

RT: 24.001 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

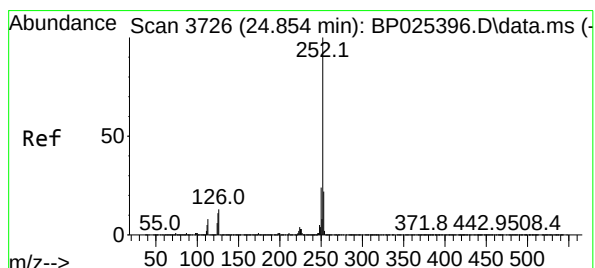
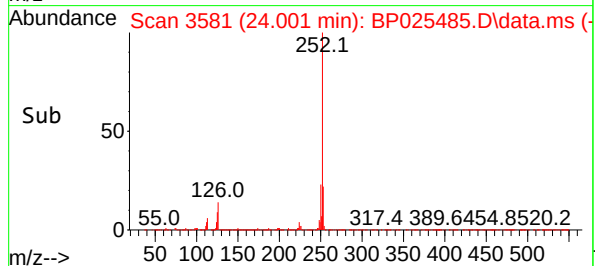
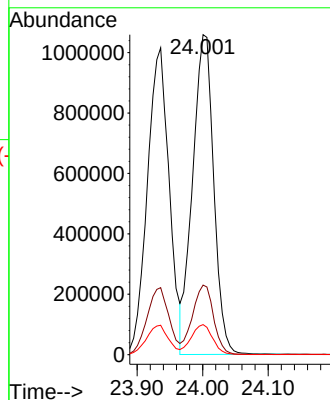
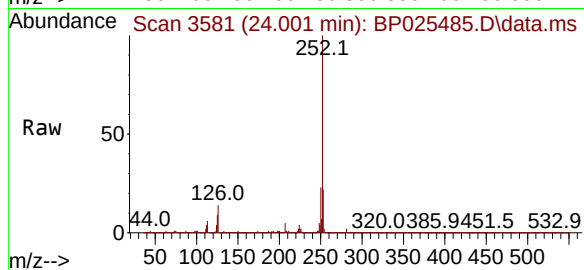
Tgt Ion:252 Resp: 2369472

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 9.4 7.8 11.6



#90

Benzo(a)pyrene

Concen: 40.084 ng

RT: 24.824 min Scan# 3721

Delta R.T. -0.030 min

Lab File: BP025485.D

Acq: 19 Aug 2025 21:43

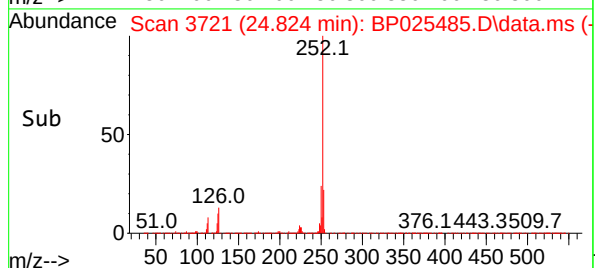
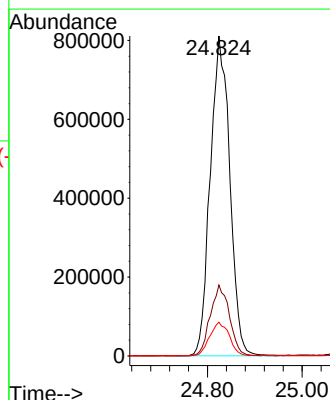
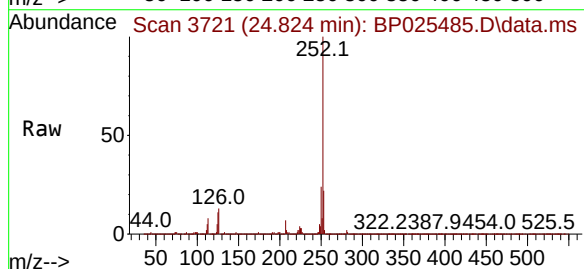
Tgt Ion:252 Resp: 2318019

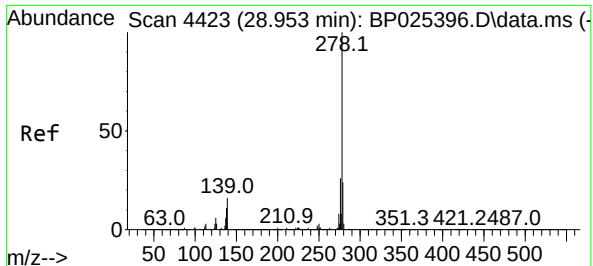
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.6 8.7 13.1

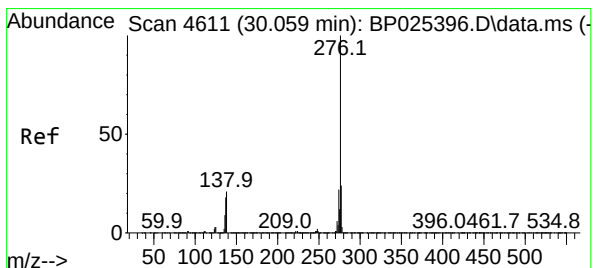
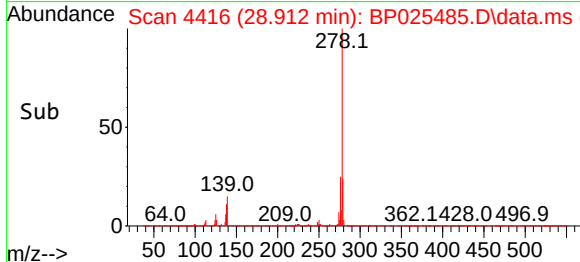
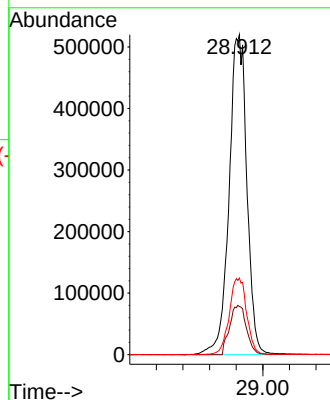
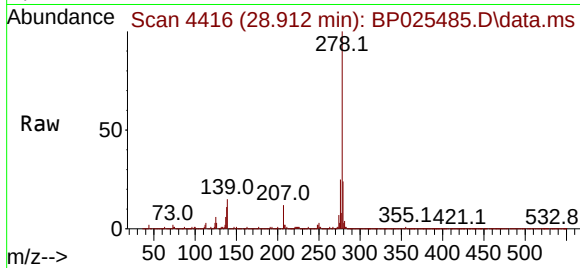




#91
Dibenzo(a,h)anthracene
Concen: 39.922 ng
RT: 28.912 min Scan# 4416
Delta R.T. -0.041 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

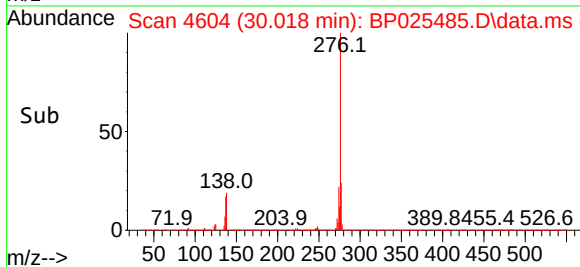
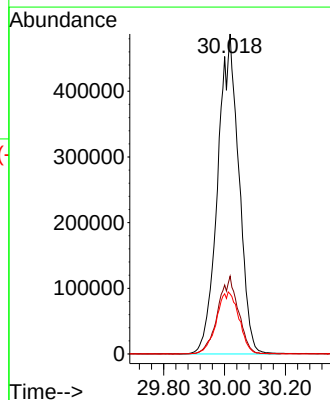
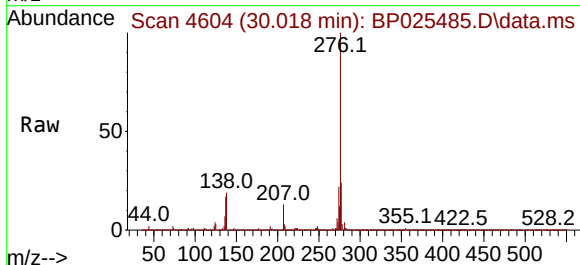
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2410467
Ion Ratio Lower Upper
278 100
139 15.1 13.0 19.4
279 24.0 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 39.621 ng
RT: 30.018 min Scan# 4604
Delta R.T. -0.041 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:276 Resp: 2351576
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.0
138 18.8 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2	1,4-Dioxane	0.472	0.459	2.8	104	0.00
3	Pyridine	1.291	1.274	1.3	105	0.00
4	n-Nitrosodimethylamine	0.532	0.565	-6.2	111	0.00
5 S	2-Fluorophenol	1.204	1.218	-1.2	106	0.00
6	Aniline	2.080	2.104	-1.2	105	0.00
7 S	Phenol-d6	1.544	1.587	-2.8	106	0.00
8	2-Chlorophenol	1.359	1.375	-1.2	105	0.00
9	Benzaldehyde	1.082	0.902	16.6	67	0.00
10 C	Phenol	1.620	1.658	-2.3	106	0.00
11	bis(2-Chloroethyl)ether	1.263	1.262	0.1	104	0.00
12	1,3-Dichlorobenzene	1.499	1.496	0.2	104	0.00
13 C	1,4-Dichlorobenzene	1.532	1.524	0.5	105	0.00
14	1,2-Dichlorobenzene	1.483	1.477	0.4	104	0.00
15	Benzyl Alcohol	1.227	1.263	-2.9	107	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.743	-3.0	108	0.00
17	2-Methylphenol	1.125	1.161	-3.2	106	0.00
18	Hexachloroethane	0.563	0.571	-1.4	106	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	1.050	-2.6	107	0.00
20	3+4-Methylphenols	1.560	1.605	-2.9	106	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22	Acetophenone	0.502	0.506	-0.8	106	0.00
23 S	Nitrobenzene-d5	0.395	0.400	-1.3	106	0.00
24	Nitrobenzene	0.353	0.353	0.0	104	0.00
25	Isophorone	0.700	0.708	-1.1	107	0.00
26 C	2-Nitrophenol	0.181	0.183	-1.1	103	0.00
27	2,4-Dimethylphenol	0.312	0.319	-2.2	106	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.428	-1.2	107	0.00
29 C	2,4-Dichlorophenol	0.310	0.317	-2.3	106	0.00
30	1,2,4-Trichlorobenzene	0.340	0.331	2.6	103	0.00
31	Naphthalene	1.040	1.019	2.0	104	0.00
32	Benzoic acid	0.230	0.295	-28.3#	132	0.02
33	4-Chloroaniline	0.459	0.465	-1.3	105	0.00
34 C	Hexachlorobutadiene	0.211	0.209	0.9	104	0.00
35	Caprolactam	0.114	0.113	0.9	106	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.365	-2.8	107	0.00
37	2-Methylnaphthalene	0.676	0.669	1.0	104	0.00
38	1-Methylnaphthalene	0.719	0.705	1.9	105	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.582	-0.7	105	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.410	-17.5	119	0.00
42 S	2,4,6-Tribromophenol	0.269	0.275	-2.2	106	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.397	-1.8	105	0.00
44	2,4,5-Trichlorophenol	0.427	0.434	-1.6	104	0.00
45 S	2-Fluorobiphenyl	1.463	1.455	0.5	106	0.00
46	1,1'-Biphenyl	1.453	1.450	0.2	104	0.00
47	2-Chloronaphthalene	1.131	1.129	0.2	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.352	-7.0	108	0.00
49	Acenaphthylene	1.871	1.873	-0.1	105	0.00
50	Dimethylphthalate	1.465	1.472	-0.5	106	0.00
51	2,6-Dinitrotoluene	0.309	0.325	-5.2	106	0.00
52 C	Acenaphthene	1.098	1.079	1.7	105	0.00
53	3-Nitroaniline	0.347	0.356	-2.6	105	0.00
54 P	2,4-Dinitrophenol	0.165	0.325	-97.0#	201#	0.00
55	Dibenzofuran	1.736	1.721	0.9	104	0.00
56 P	4-Nitrophenol	0.285	0.288	-1.1	104	0.00
57	2,4-Dinitrotoluene	0.440	0.463	-5.2	107	0.00
58	Fluorene	1.370	1.329	3.0	103	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.389	-3.2	107	0.00
60	Diethylphthalate	1.488	1.504	-1.1	106	0.00
61	4-Chlorophenyl-phenylether	0.681	0.668	1.9	104	0.00
62	4-Nitroaniline	0.356	0.355	0.3	102	0.00
63	Azobenzene	1.274	1.324	-3.9	108	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.178	-42.4#	146	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.611	-0.2	104	0.00
67	4-Bromophenyl-phenylether	0.220	0.218	0.9	103	0.00
68	Hexachlorobenzene	0.255	0.257	-0.8	107	0.00
69	Atrazine	0.228	0.229	-0.4	106	0.00
70 C	Pentachlorophenol	0.161	0.166	-3.1	106	0.00
71	Phenanthrene	1.099	1.085	1.3	105	0.00
72	Anthracene	1.122	1.116	0.5	104	0.00
73	Carbazole	1.057	1.045	1.1	105	0.00
74	Di-n-butylphthalate	1.300	1.318	-1.4	107	0.00
75 C	Fluoranthene	1.311	1.271	3.1	104	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	101	-0.01
77	Benzydine	0.683	0.632	7.5	66	0.00
78	Pyrene	1.300	1.274	2.0	101	0.00
79 S	Terphenyl-d14	1.093	1.085	0.7	105	0.00
80	Butylbenzylphthalate	0.589	0.608	-3.2	106	0.00
81	Benzo(a)anthracene	1.319	1.302	1.3	104	-0.01
82	3,3'-Dichlorobenzidine	0.497	0.479	3.6	99	0.00
83	Chrysene	1.235	1.232	0.2	105	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.887	-2.3	108	-0.02
85 c	Di-n-octyl phthalate	1.492	1.538	-3.1	107	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	99	-0.02
87	Indeno(1,2,3-cd)pyrene	1.467	1.449	1.2	101	-0.04
88	Benzo(b)fluoranthene	1.179	1.167	1.0	101	-0.02
89	Benzo(k)fluoranthene	1.180	1.176	0.3	103	-0.03
90 C	Benzo(a)pyrene	1.148	1.150	-0.2	102	-0.03
91	Dibenzo(a,h)anthracene	1.199	1.196	0.3	102	-0.04
92	Benzo(g,h,i)perylene	1.178	1.167	0.9	101	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2	1,4-Dioxane	40.000	38.879	2.8	104	0.00
3	Pyridine	40.000	39.479	1.3	105	0.00
4	n-Nitrosodimethylamine	40.000	42.446	-6.1	111	0.00
5 S	2-Fluorophenol	80.000	80.882	-1.1	106	0.00
6	Aniline	40.000	40.464	-1.2	105	0.00
7 S	Phenol-d6	80.000	82.204	-2.8	106	0.00
8	2-Chlorophenol	40.000	40.481	-1.2	105	0.00
9	Benzaldehyde	40.000	33.351	16.6	67	0.00
10 C	Phenol	40.000	40.923	-2.3	106	0.00
11	bis(2-Chloroethyl)ether	40.000	39.983	0.0	104	0.00
12	1,3-Dichlorobenzene	40.000	39.936	0.2	104	0.00
13 C	1,4-Dichlorobenzene	40.000	39.809	0.5	105	0.00
14	1,2-Dichlorobenzene	40.000	39.851	0.4	104	0.00
15	Benzyl Alcohol	40.000	41.172	-2.9	107	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.208	-3.0	108	0.00
17	2-Methylphenol	40.000	41.273	-3.2	106	0.00
18	Hexachloroethane	40.000	40.579	-1.4	106	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.084	-2.7	107	0.00
20	3+4-Methylphenols	40.000	41.150	-2.9	106	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22	Acetophenone	40.000	40.318	-0.8	106	0.00
23 S	Nitrobenzene-d5	80.000	80.839	-1.0	106	0.00
24	Nitrobenzene	40.000	40.010	-0.0	104	0.00
25	Isophorone	40.000	40.496	-1.2	107	0.00
26 C	2-Nitrophenol	40.000	40.455	-1.1	103	0.00
27	2,4-Dimethylphenol	40.000	40.920	-2.3	106	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.432	-1.1	107	0.00
29 C	2,4-Dichlorophenol	40.000	40.902	-2.3	106	0.00
30	1,2,4-Trichlorobenzene	40.000	38.959	2.6	103	0.00
31	Naphthalene	40.000	39.195	2.0	104	0.00
32	Benzoic acid	40.000	51.243	-28.1#	132	0.02
33	4-Chloroaniline	40.000	40.476	-1.2	105	0.00
34 C	Hexachlorobutadiene	40.000	39.534	1.2	104	0.00
35	Caprolactam	40.000	39.925	0.2	106	0.00
36 C	4-Chloro-3-methylphenol	40.000	41.048	-2.6	107	0.00
37	2-Methylnaphthalene	40.000	39.572	1.1	104	0.00
38	1-Methylnaphthalene	40.000	39.191	2.0	105	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.309	-0.8	105	0.00
41 P	Hexachlorocyclopentadiene	40.000	46.958	-17.4	119	0.00
42 S	2,4,6-Tribromophenol	80.000	81.593	-2.0	106	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.748	-1.9	105	0.00
44	2,4,5-Trichlorophenol	40.000	40.661	-1.7	104	0.00
45 S	2-Fluorobiphenyl	80.000	79.555	0.6	106	0.00
46	1,1'-Biphenyl	40.000	39.926	0.2	104	0.00
47	2-Chloronaphthalene	40.000	39.925	0.2	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
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Instrument :
BNA_P
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Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.716	-6.8	108	0.00
49	Acenaphthylene	40.000	40.032	-0.1	105	0.00
50	Dimethylphthalate	40.000	40.193	-0.5	106	0.00
51	2,6-Dinitrotoluene	40.000	42.121	-5.3	106	0.00
52 C	Acenaphthene	40.000	39.288	1.8	105	0.00
53	3-Nitroaniline	40.000	41.010	-2.5	105	0.00
54 P	2,4-Dinitrophenol	40.000	78.876	-97.2#	201	0.00
55	Dibenzofuran	40.000	39.644	0.9	104	0.00
56 P	4-Nitrophenol	40.000	40.416	-1.0	104	0.00
57	2,4-Dinitrotoluene	40.000	42.059	-5.1	107	0.00
58	Fluorene	40.000	38.790	3.0	103	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.236	-3.1	107	0.00
60	Diethylphthalate	40.000	40.422	-1.1	106	0.00
61	4-Chlorophenyl-phenylether	40.000	39.215	2.0	104	0.00
62	4-Nitroaniline	40.000	39.899	0.3	102	0.00
63	Azobenzene	40.000	41.554	-3.9	108	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	101	0.00
65	4,6-Dinitro-2-methylphenol	40.000	57.102	-42.8#	146	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.077	-0.2	104	0.00
67	4-Bromophenyl-phenylether	40.000	39.677	0.8	103	0.00
68	Hexachlorobenzene	40.000	40.328	-0.8	107	0.00
69	Atrazine	40.000	40.095	-0.2	106	0.00
70 C	Pentachlorophenol	40.000	41.221	-3.1	106	0.00
71	Phenanthrene	40.000	39.509	1.2	105	0.00
72	Anthracene	40.000	39.778	0.6	104	0.00
73	Carbazole	40.000	39.535	1.2	105	0.00
74	Di-n-butylphthalate	40.000	40.549	-1.4	107	0.00
75 C	Fluoranthene	40.000	38.784	3.0	104	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	101	-0.01
77	Benzydine	40.000	37.009	7.5	66	0.00
78	Pyrene	40.000	39.194	2.0	101	0.00
79 S	Terphenyl-d14	80.000	79.436	0.7	105	0.00
80	Butylbenzylphthalate	40.000	41.260	-3.1	106	0.00
81	Benzo(a)anthracene	40.000	39.492	1.3	104	-0.01
82	3,3'-Dichlorobenzidine	40.000	38.525	3.7	99	0.00
83	Chrysene	40.000	39.880	0.3	105	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.902	-2.3	108	-0.02
85 c	Di-n-octyl phthalate	40.000	41.242	-3.1	107	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	99	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	39.529	1.2	101	-0.04
88	Benzo(b)fluoranthene	40.000	39.577	1.1	101	-0.02
89	Benzo(k)fluoranthene	40.000	39.857	0.4	103	-0.03
90 C	Benzo(a)pyrene	40.000	40.084	-0.2	102	-0.03
91	Dibenzo(a,h)anthracene	40.000	39.922	0.2	102	-0.04
92	Benzo(g,h,i)perylene	40.000	39.621	0.9	101	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/19/2025 23:46</u>
Lab File ID:	<u>BP025487.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.204		0.0	
Benzaldehyde	1.082	0.876		-19.0	
Phenol-d6	1.544	1.570		1.7	
Phenol	1.620	1.661		2.5	20.0
bis(2-Chloroethyl)ether	1.263	1.268		0.4	
2-Chlorophenol	1.359	1.389		2.2	
2-Methylphenol	1.125	1.152		2.4	
2,2-oxybis(1-Chloropropane)	1.692	1.784		5.4	
Acetophenone	0.502	0.503		0.2	
3+4-Methylphenols	1.560	1.571		0.7	
n-Nitroso-di-n-propylamine	1.023	1.046	0.050	2.2	
Nitrobenzene-d5	0.395	0.401		1.5	
Hexachloroethane	0.563	0.566		0.5	
Nitrobenzene	0.353	0.362		2.5	
Isophorone	0.700	0.705		0.7	
2-Nitrophenol	0.181	0.185		2.2	20.0
2,4-Dimethylphenol	0.312	0.315		1.0	
bis(2-Chloroethoxy)methane	0.423	0.427		0.9	
2,4-Dichlorophenol	0.310	0.313		1.0	20.0
Naphthalene	1.040	1.035		-0.5	
4-Chloroaniline	0.459	0.467		1.7	
Hexachlorobutadiene	0.211	0.207		-1.9	20.0
Caprolactam	0.114	0.117		2.6	
4-Chloro-3-methylphenol	0.355	0.367		3.4	20.0
2-Methylnaphthalene	0.676	0.673		-0.4	
Hexachlorocyclopentadiene	0.349	0.402	0.050	15.2	
2,4,6-Trichlorophenol	0.390	0.400		2.6	20.0
2-Fluorobiphenyl	1.463	1.408		-3.8	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.453	1.462		0.6	
2-Chloronaphthalene	1.131	1.130		-0.1	
2-Nitroaniline	0.329	0.359		9.1	
Dimethylphthalate	1.465	1.503		2.6	
Acenaphthylene	1.871	1.889		1.0	
2,6-Dinitrotoluene	0.309	0.327		5.8	
3-Nitroaniline	0.347	0.367		5.8	
Acenaphthene	1.098	1.071		-2.5	20.0
2,4-Dinitrophenol	0.165	0.332	0.050	101.2	
4-Nitrophenol	0.285	0.301	0.050	5.6	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_P Calibration Date/Time: 08/19/2025 23:46
 Lab File ID: BP025487.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.710		-1.5	
2,4-Dinitrotoluene	0.440	0.475		8.0	
Diethylphthalate	1.488	1.537		3.3	
4-Chlorophenyl-phenylether	0.681	0.664		-2.5	
Fluorene	1.370	1.332		-2.8	
4-Nitroaniline	0.356	0.368		3.4	
4,6-Dinitro-2-methylphenol	0.125	0.178		42.4	
n-Nitrosodiphenylamine	0.610	0.625		2.5	20.0
2,4,6-Tribromophenol	0.269	0.278		3.3	
4-Bromophenyl-phenylether	0.220	0.222		0.9	
Hexachlorobenzene	0.255	0.255		0.0	
Atrazine	0.228	0.232		1.8	
Pentachlorophenol	0.161	0.170		5.6	20.0
Phenanthrene	1.099	1.084		-1.4	
Anthracene	1.122	1.144		2.0	
Carbazole	1.057	1.052		-0.5	
Di-n-butylphthalate	1.300	1.333		2.5	
Fluoranthene	1.311	1.283		-2.1	20.0
Pyrene	1.300	1.285		-1.2	
Terphenyl-d14	1.093	1.061		-2.9	
Butylbenzylphthalate	0.589	0.605		2.7	
3,3-Dichlorobenzidine	0.497	0.485		-2.4	
Benzo (a) anthracene	1.319	1.302		-1.3	
Chrysene	1.235	1.231		-0.3	
Bis (2-ethylhexyl) phthalate	0.867	0.890		2.7	
Di-n-octyl phthalate	1.492	1.526		2.2	20.0
Benzo (b) fluoranthene	1.179	1.172		-0.6	
Benzo (k) fluoranthene	1.180	1.163		-1.4	
Benzo (a) pyrene	1.148	1.141		-0.6	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.434		-2.2	
Dibenzo (a,h) anthracene	1.199	1.180		-1.6	
Benzo (g,h,i) perylene	1.178	1.150		-2.4	
1,2,4,5-Tetrachlorobenzene	0.578	0.572		-1.0	
1,4-Dioxane	0.472	0.461		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.388		2.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025487.D
 Acq On : 19 Aug 2025 23:46
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 20 02:26:31 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 18:14:31 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	159158	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	679178	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	450864	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	905283	20.000	ng	0.00
76) Chrysene-d12	21.642	240	932001	20.000	ng	0.00
86) Perylene-d12	25.012	264	1054169	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	766191	79.946	ng	0.00
7) Phenol-d6	6.966	99	999385	81.335	ng	0.00
23) Nitrobenzene-d5	8.931	82	1089412	81.140	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	501941	82.710	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2539096	76.967	ng	0.00
79) Terphenyl-d14	19.930	244	3955073	77.640	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	146798	39.105	ng	98
3) Pyridine	3.725	79	399648	38.896	ng	95
4) n-Nitrosodimethylamine	3.631	42	183947	43.424	ng	91
6) Aniline	7.119	93	673487	40.682	ng	98
8) 2-Chlorophenol	7.360	128	442242	40.892	ng	99
9) Benzaldehyde	6.937	77	278873	32.395	ng	97
10) Phenol	6.990	94	528660	41.003	ng	96
11) bis(2-Chloroethyl)ether	7.213	93	403740	40.176	ng	99
12) 1,3-Dichlorobenzene	7.678	146	477680	40.056	ng	99
13) 1,4-Dichlorobenzene	7.825	146	485332	39.818	ng	99
14) 1,2-Dichlorobenzene	8.137	146	470101	39.843	ng	100
15) Benzyl Alcohol	8.019	79	396938	40.657	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.307	45	567987	42.192	ng	98
17) 2-Methylphenol	8.219	107	366688	40.950	ng	99
18) Hexachloroethane	8.860	117	180159	40.200	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	332906	40.903	ng	97
20) 3+4-Methylphenols	8.542	107	500121	40.292	ng	98
22) Acetophenone	8.595	105	683834	40.149	ng	98
24) Nitrobenzene	8.972	77	491390	40.951	ng	99
25) Isophorone	9.501	82	957661	40.304	ng	100
26) 2-Nitrophenol	9.678	139	251156	40.785	ng	99
27) 2,4-Dimethylphenol	9.736	122	428351	40.448	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	579381	40.338	ng	99
29) 2,4-Dichlorophenol	10.207	162	424988	40.398	ng	98
30) 1,2,4-Trichlorobenzene	10.425	180	449563	38.983	ng	100
31) Naphthalene	10.613	128	1406520	39.844	ng	99
32) Benzoic acid	9.895	122	408095	52.196	ng	97
33) 4-Chloroaniline	10.713	127	634028	40.661	ng	99
34) Hexachlorobutadiene	10.901	225	280821	39.100	ng	98
35) Caprolactam	11.501	113	158902	41.192	ng	98
36) 4-Chloro-3-methylphenol	11.836	107	498499	41.295	ng	98
37) 2-Methylnaphthalene	12.219	142	914456	39.806	ng	97
38) 1-Methylnaphthalene	12.436	142	964168	39.466	ng	100
40) 1,2,4,5-Tetrachloroben...	12.583	216	515884	39.618	ng	99
41) Hexachlorocyclopentadiene	12.566	237	362128	46.040	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	360300	40.986	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025487.D
 Acq On : 19 Aug 2025 23:46
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 20 02:26:31 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 18:14:31 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	399763	41.492	ng	98
46) 1,1'-Biphenyl	13.230	154	1318412	40.264	ng	100
47) 2-Chloronaphthalene	13.272	162	1019352	39.989	ng	99
48) 2-Nitroaniline	13.466	65	324159	43.643	ng	98
49) Acenaphthylene	14.124	152	1703788	40.393	ng	100
50) Dimethylphthalate	13.854	163	1355491	41.055	ng	100
51) 2,6-Dinitrotoluene	13.972	165	294671	42.345	ng	93
52) Acenaphthene	14.472	154	965696	39.004	ng	99
53) 3-Nitroaniline	14.307	138	330858	42.258	ng	94
54) 2,4-Dinitrophenol	14.513	184	299007	80.460	ng	97
55) Dibenzofuran	14.813	168	1541513	39.380	ng	100
56) 4-Nitrophenol	14.624	139	271237	42.159	ng	97
57) 2,4-Dinitrotoluene	14.772	165	428628	43.171	ng	97
58) Fluorene	15.477	166	1201420	38.896	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.042	232	350101	41.154	ng	98
60) Diethylphthalate	15.236	149	1386072	41.316	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	598934	38.989	ng	96
62) 4-Nitroaniline	15.489	138	331726	41.329	ng	93
63) Azobenzene	15.766	77	1240846	43.196	ng	98
65) 4,6-Dinitro-2-methylph...	15.548	198	322240	57.103	ng	94
66) n-Nitrosodiphenylamine	15.683	169	1132449	41.022	ng	99
67) 4-Bromophenyl-phenylether	16.383	248	402714	40.448	ng	98
68) Hexachlorobenzene	16.501	284	461625	39.997	ng	97
69) Atrazine	16.654	200	420453	40.669	ng	99
70) Pentachlorophenol	16.848	266	307884	42.259	ng	98
71) Phenanthrene	17.242	178	1961812	39.449	ng	99
72) Anthracene	17.342	178	2071008	40.780	ng	99
73) Carbazole	17.618	167	1903889	39.801	ng	99
74) Di-n-butylphthalate	18.212	149	2414257	41.022	ng	100
75) Fluoranthene	19.324	202	2322167	39.147	ng	98
77) Benzidine	19.518	184	1232065	38.735	ng	100
78) Pyrene	19.701	202	2394461	39.527	ng	100
80) Butylbenzylphthalate	20.654	149	1127547	41.070	ng	98
81) Benzo(a)anthracene	21.624	228	2426505	39.477	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	903654	39.005	ng	98
83) Chrysene	21.689	228	2294146	39.855	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1659835	41.071	ng	99
85) Di-n-octyl phthalate	22.853	149	2843533	40.906	ng	99
87) Indeno(1,2,3-cd)pyrene	28.841	276	3022360m	39.095	ng	
88) Benzo(b)fluoranthene	23.953	252	2471608	39.761	ng	99
89) Benzo(k)fluoranthene	24.030	252	2451237	39.407	ng	99
90) Benzo(a)pyrene	24.865	252	2406620	39.773	ng	99
91) Dibenzo(a,h)anthracene	28.941	278	2487038	39.366	ng	98
92) Benzo(g,h,i)perylene	30.047	276	2423566	39.026	ng	98

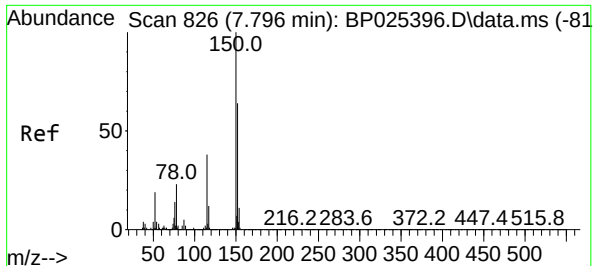
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

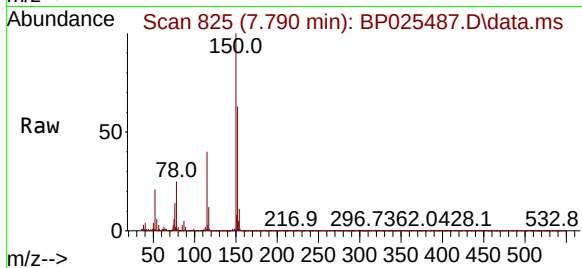
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jaagrut Upadhyay 08/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

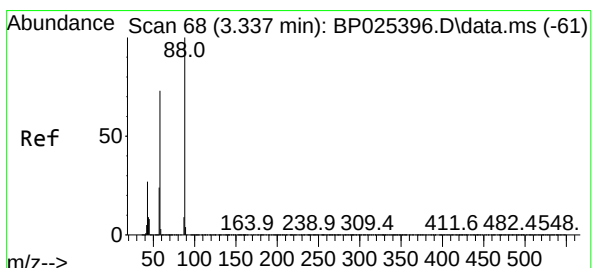
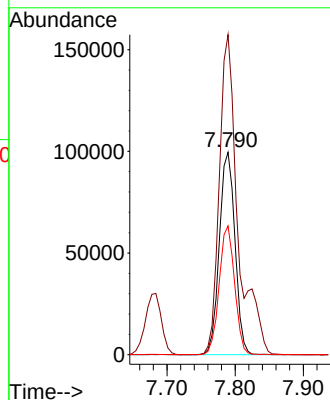
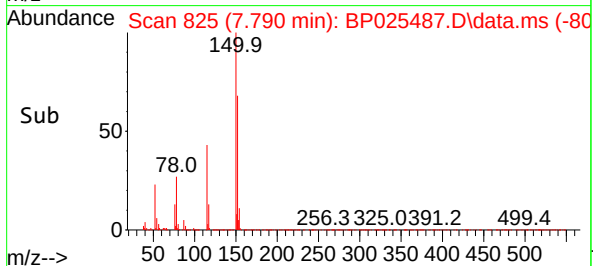
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion: 152 Resp: 159158
Ion Ratio Lower Upper
152 100
150 158.1 125.9 188.9
115 63.6 48.5 72.7

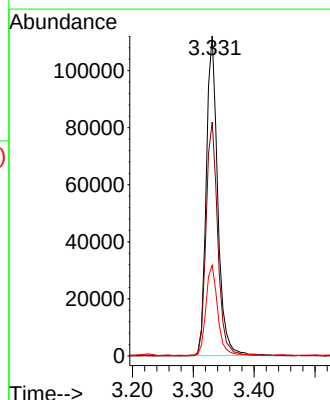
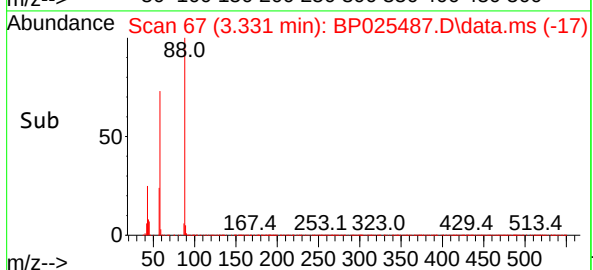
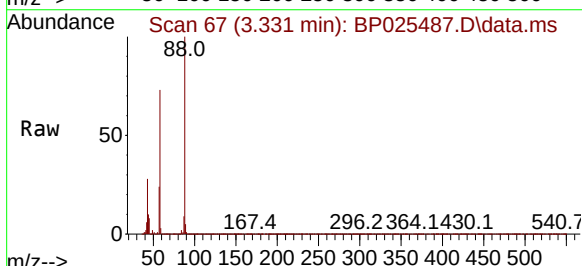
Manual Integrations
APPROVED

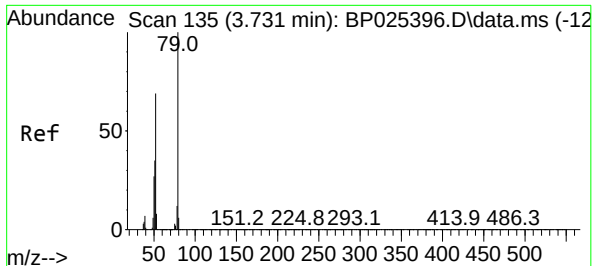
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#2
1,4-Dioxane
Concen: 39.105 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

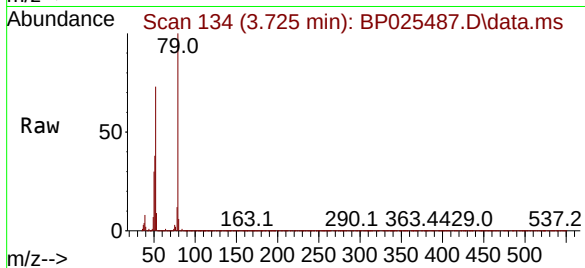
Tgt Ion: 88 Resp: 146798
Ion Ratio Lower Upper
88 100
58 75.0 59.2 88.8
43 28.8 21.7 32.5





#3
Pyridine
Concen: 38.896 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

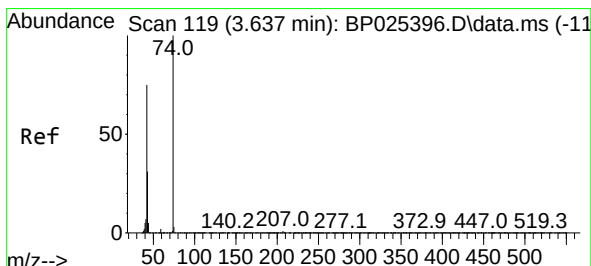
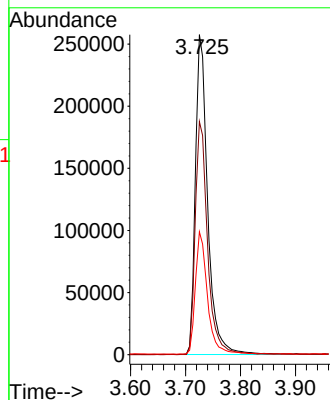
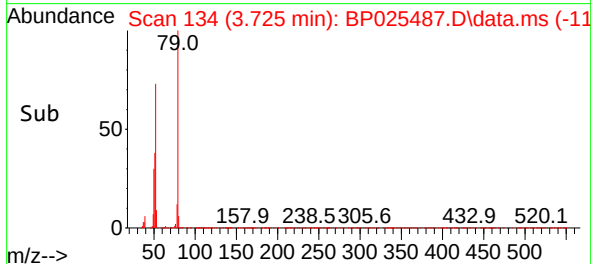
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion: 79 Resp: 399648
Ion Ratio Lower Upper
79 100
52 72.9 55.5 83.3
51 38.4 28.3 42.5

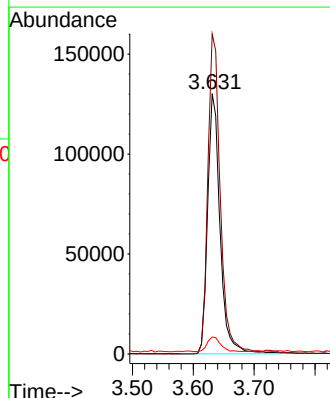
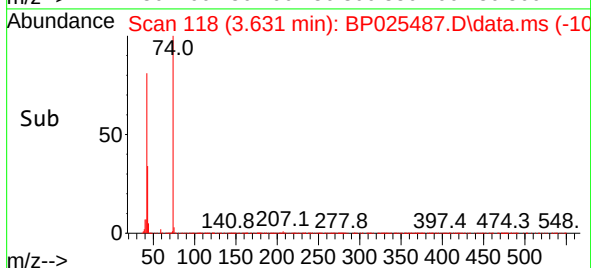
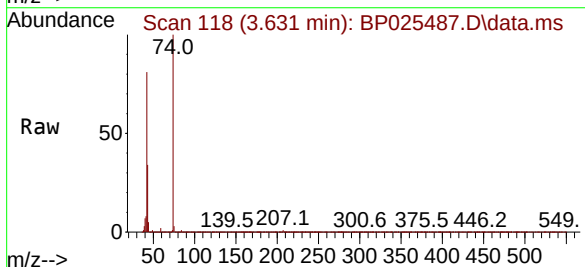
Manual Integrations
APPROVED

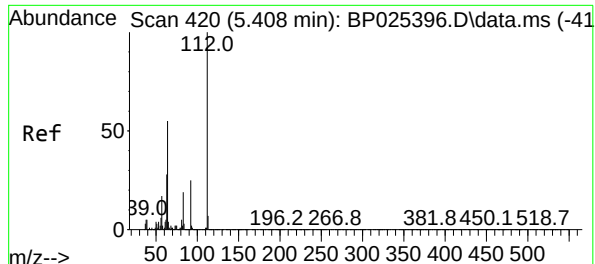
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#4
n-Nitrosodimethylamine
Concen: 43.424 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

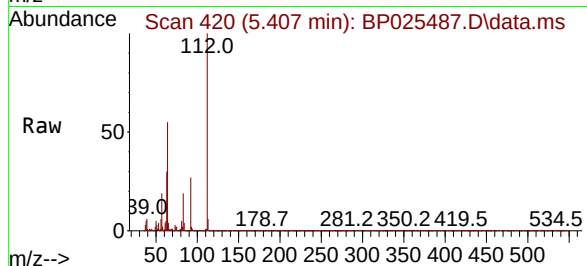
Tgt Ion: 42 Resp: 183947
Ion Ratio Lower Upper
42 100
74 122.9 107.0 160.4
44 6.5 6.2 9.4





#5
2-Fluorophenol
Concen: 79.946 ng
RT: 5.407 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

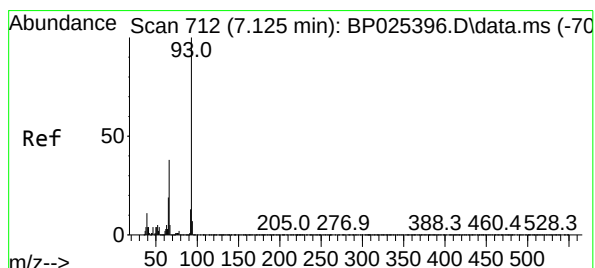
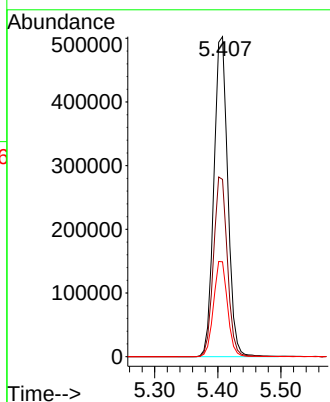
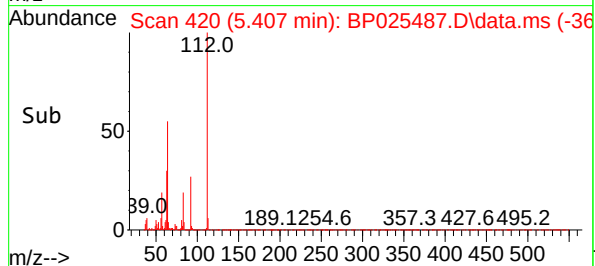
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:112 Resp: 76619
Ion Ratio Lower Upper
112 100
64 55.4 43.8 65.8
63 29.7 22.7 34.1

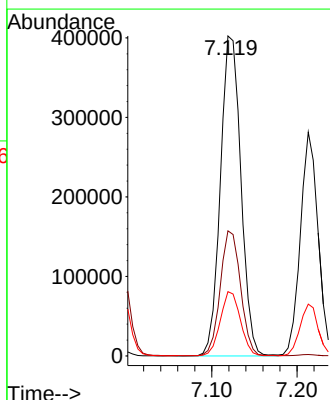
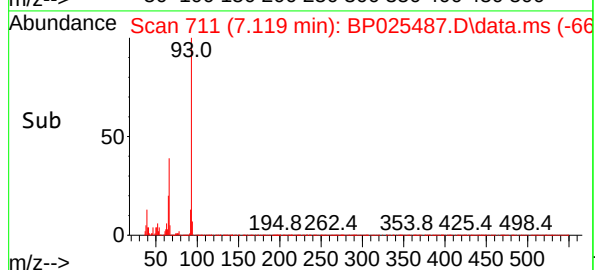
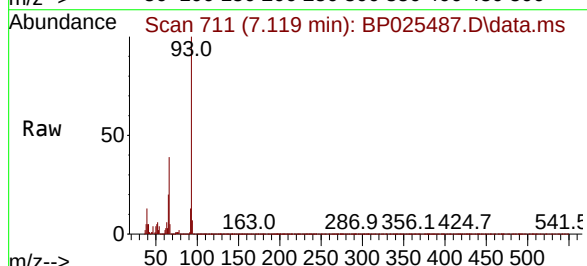
Manual Integrations
APPROVED

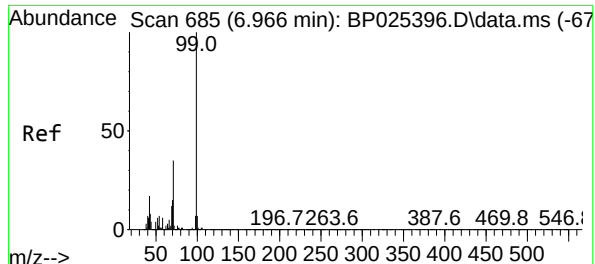
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#6
Aniline
Concen: 40.682 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 93 Resp: 673487
Ion Ratio Lower Upper
93 100
66 39.1 30.4 45.6
65 20.1 15.3 22.9





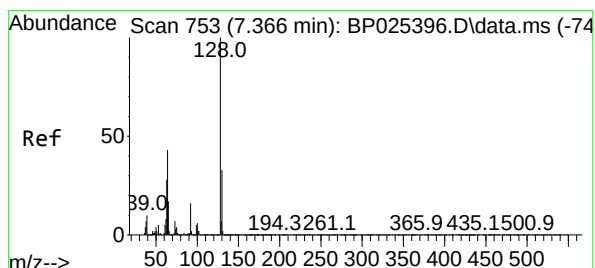
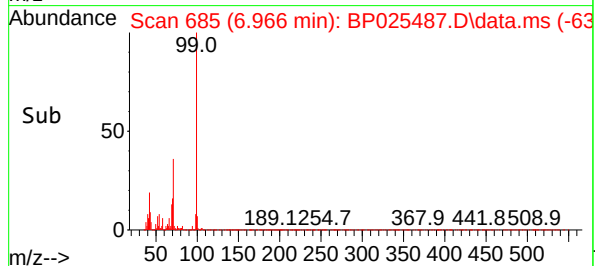
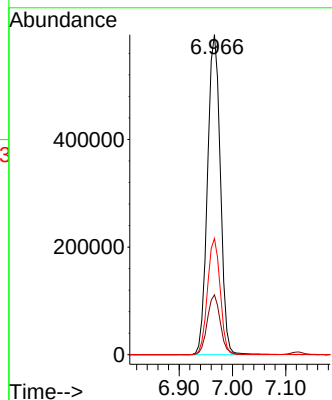
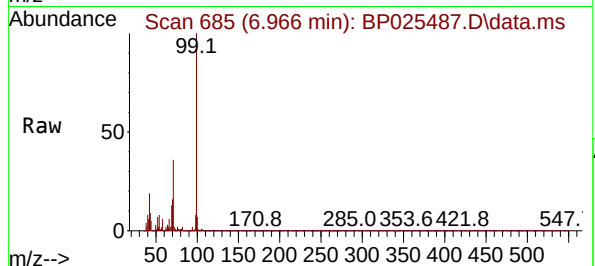
#7
Phenol-d6
Concen: 81.335 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 999385
Ion Ratio Lower Upper
99 100
42 18.7 13.7 20.5
71 36.3 28.2 42.4

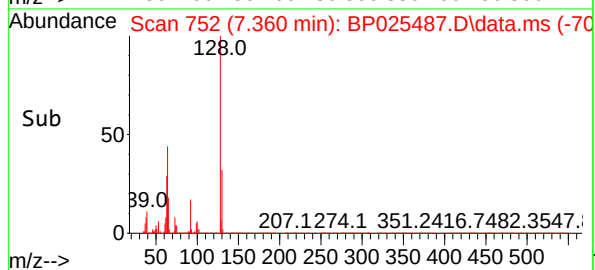
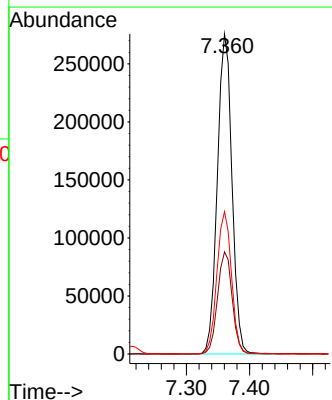
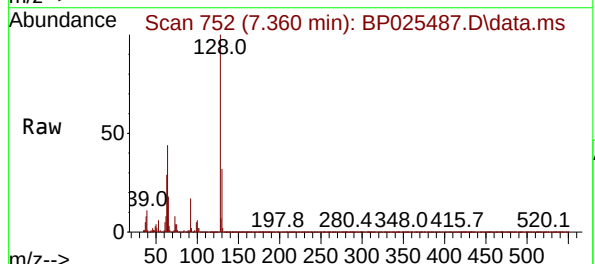
Manual Integrations
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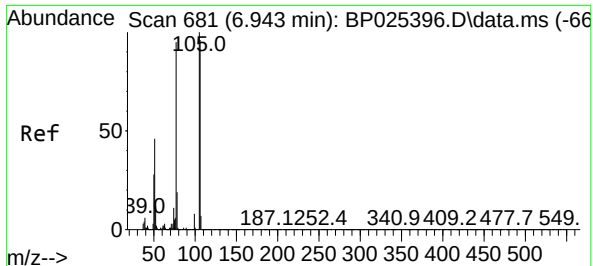
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#8
2-Chlorophenol
Concen: 40.892 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:128 Resp: 442242
Ion Ratio Lower Upper
128 100
130 31.9 12.6 52.6
64 44.5 23.4 63.4





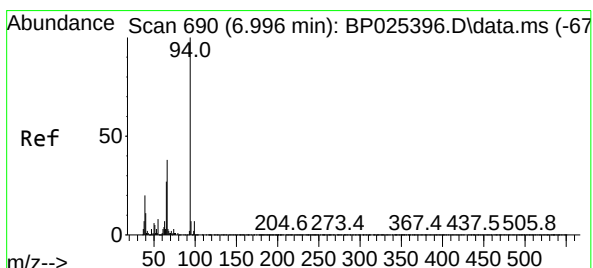
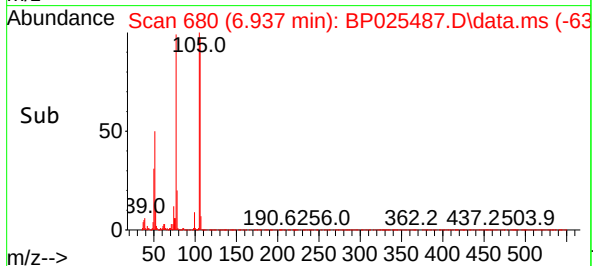
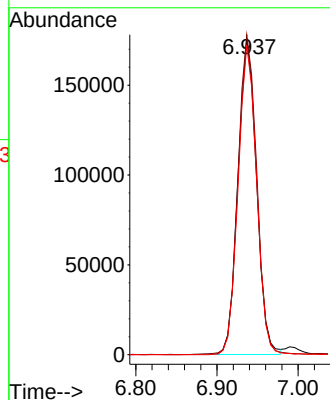
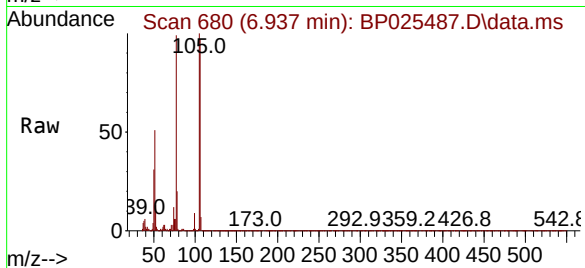
#9
Benzaldehyde
Concen: 32.395 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 27887
Ion Ratio Lower Upper
77 100
105 101.2 84.8 124.8
106 97.9 80.5 120.5

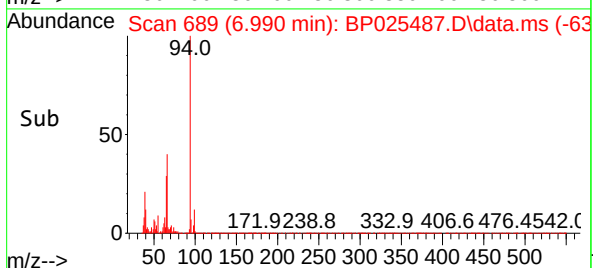
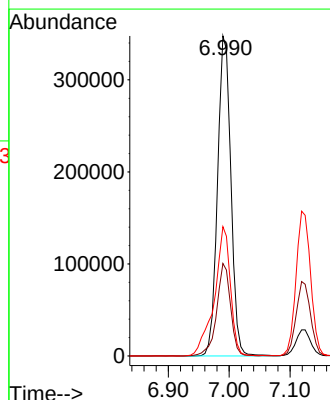
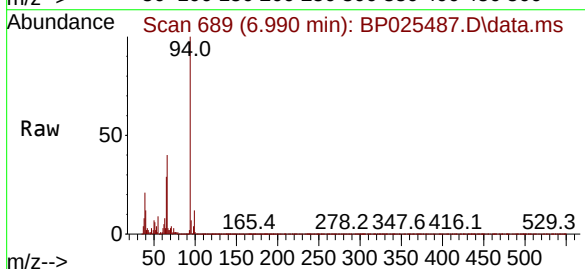
Manual Integrations
APPROVED

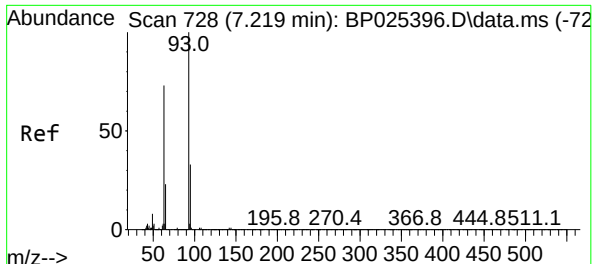
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#10
Phenol
Concen: 41.003 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 94 Resp: 528660
Ion Ratio Lower Upper
94 100
65 28.9 6.8 46.8
66 40.4 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 40.176 ng

RT: 7.213 min Scan# 70

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 403740

Ion Ratio Lower Upper

93 100

63 72.7 52.6 92.6

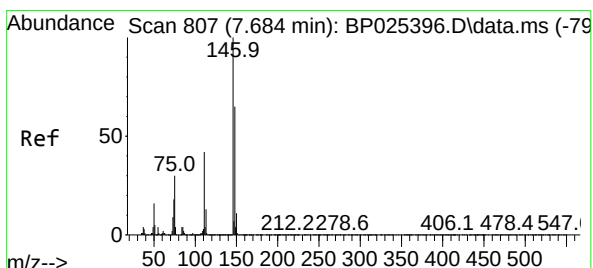
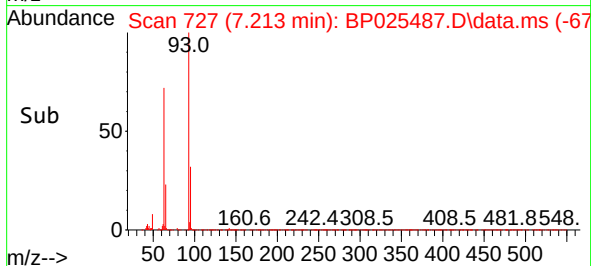
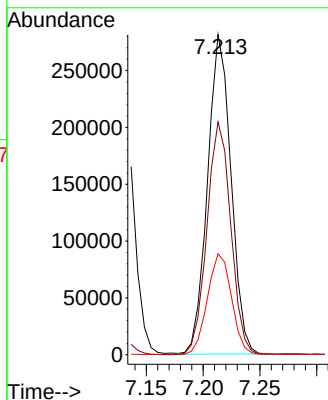
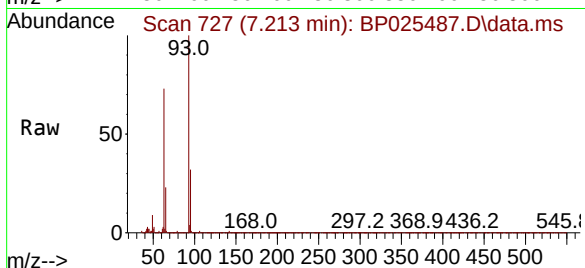
95 31.5 12.7 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#12

1,3-Dichlorobenzene

Concen: 40.056 ng

RT: 7.678 min Scan# 806

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

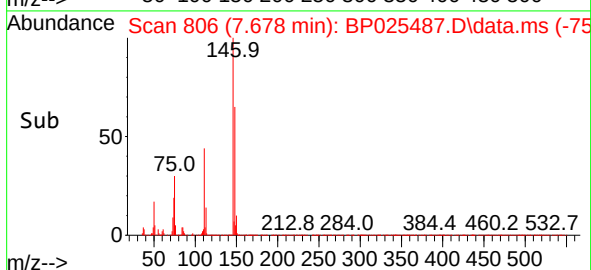
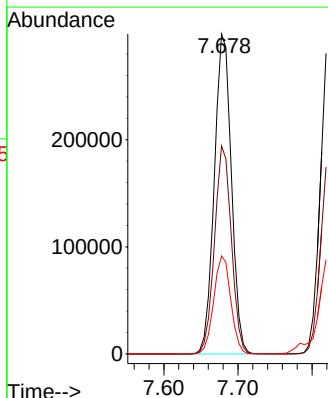
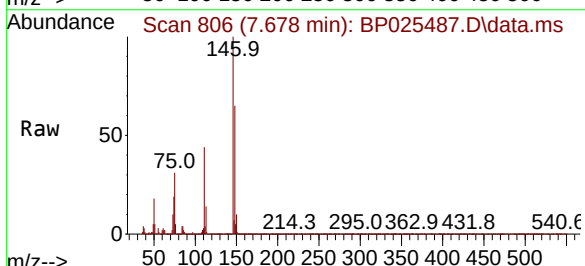
Tgt Ion:146 Resp: 477680

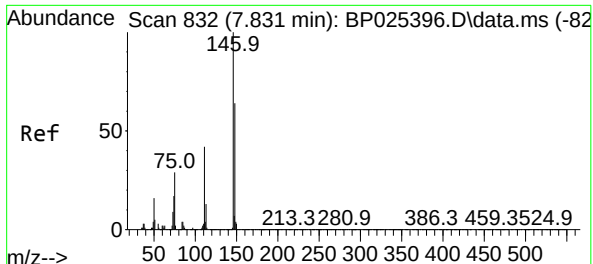
Ion Ratio Lower Upper

146 100

148 65.0 51.9 77.9

75 30.6 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 39.818 ng

RT: 7.825 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 48533

Ion Ratio Lower Upper

146 100

148 65.6 51.6 77.4

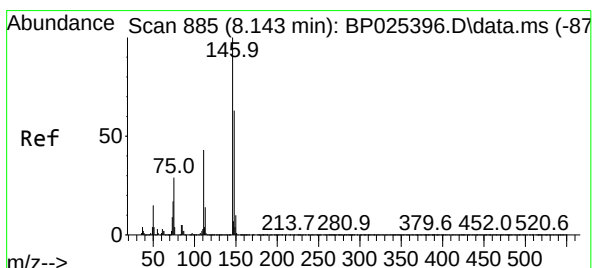
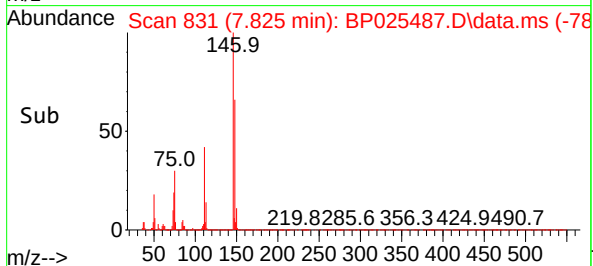
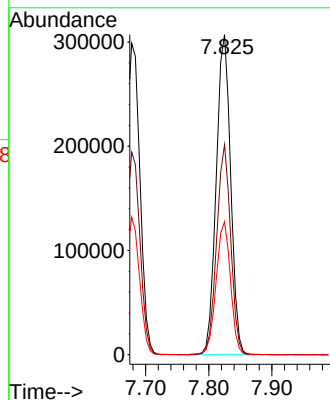
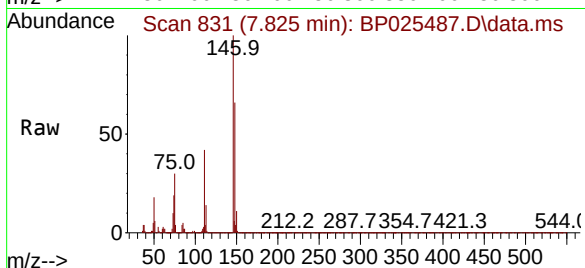
111 41.6 33.4 50.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#14

1,2-Dichlorobenzene

Concen: 39.843 ng

RT: 8.137 min Scan# 884

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

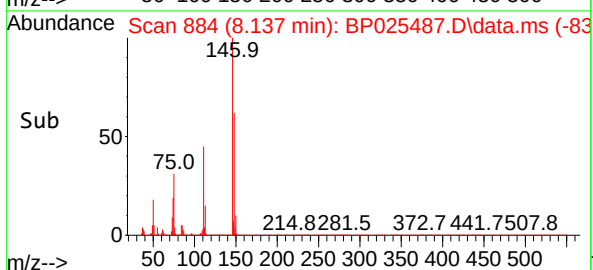
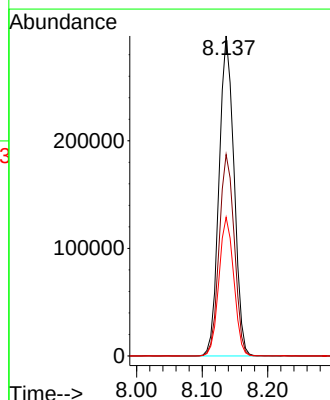
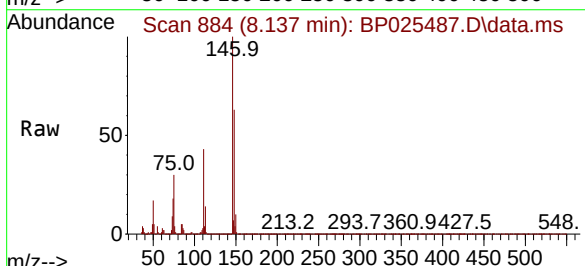
Tgt Ion:146 Resp: 470101

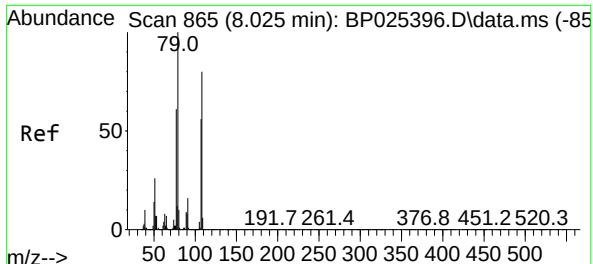
Ion Ratio Lower Upper

146 100

148 63.0 50.4 75.6

111 43.3 34.5 51.7





#15

Benzyl Alcohol

Concen: 40.657 ng

RT: 8.019 min Scan# 80

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 396938

Ion Ratio Lower Upper

79 100

108 77.6 63.8 95.6

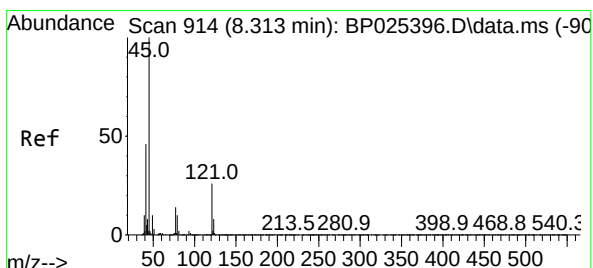
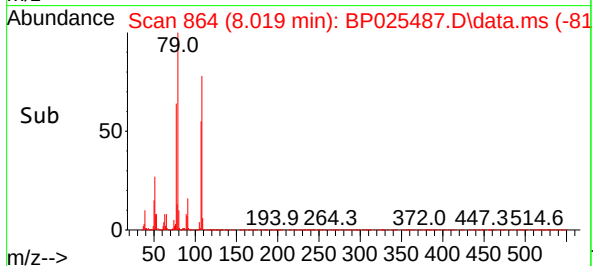
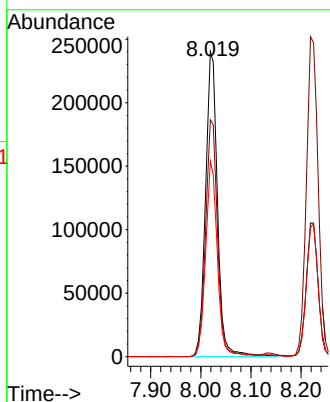
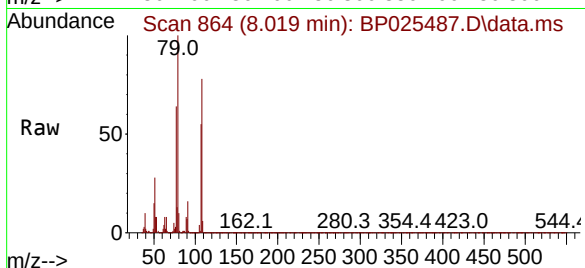
77 64.0 49.0 73.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.192 ng

RT: 8.307 min Scan# 913

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

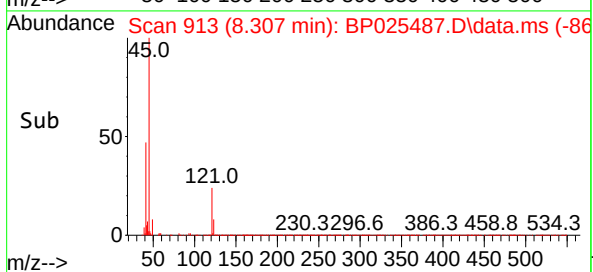
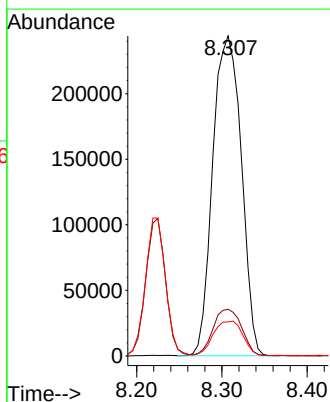
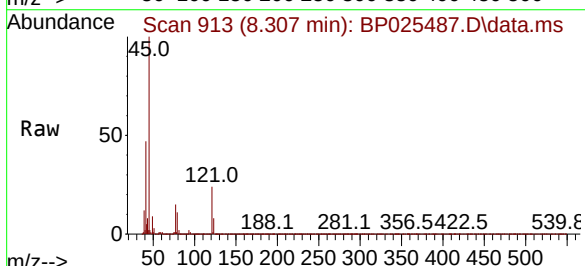
Tgt Ion: 45 Resp: 567987

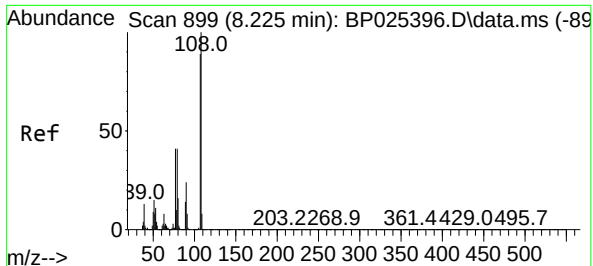
Ion Ratio Lower Upper

45 100

77 14.6 0.0 35.3

79 10.6 0.0 31.8





#17

2-Methylphenol

Concen: 40.950 ng

RT: 8.219 min Scan# 89

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 36668

Ion Ratio Lower Upper

107 100

108 112.2 89.4 134.0

77 45.1 36.3 54.5

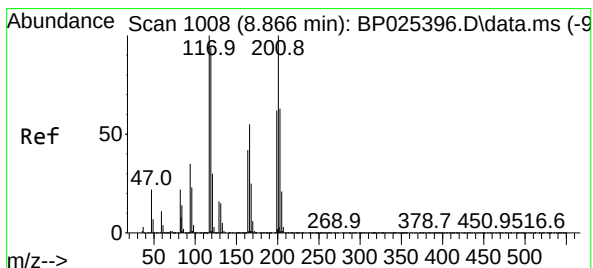
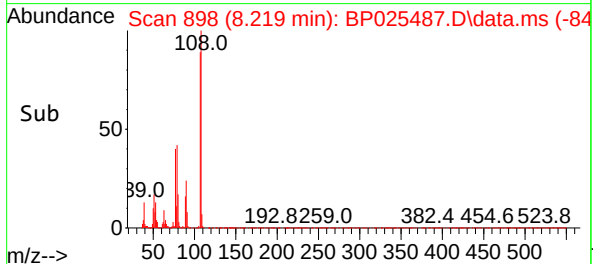
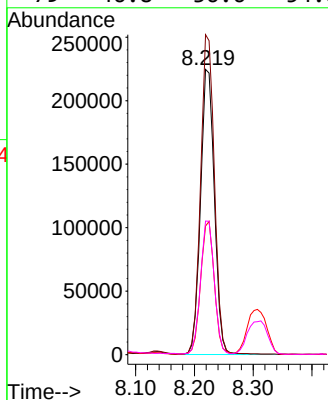
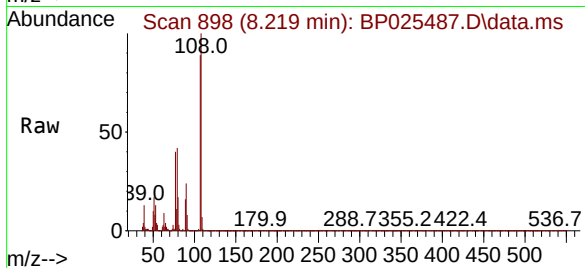
79 46.8 36.6 54.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#18

Hexachloroethane

Concen: 40.200 ng

RT: 8.860 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

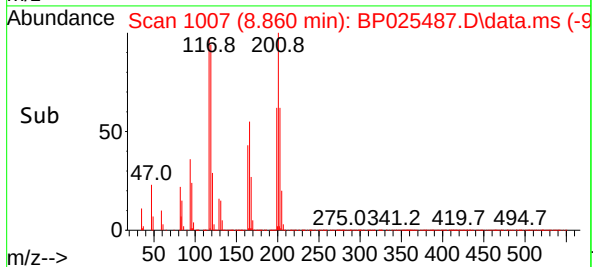
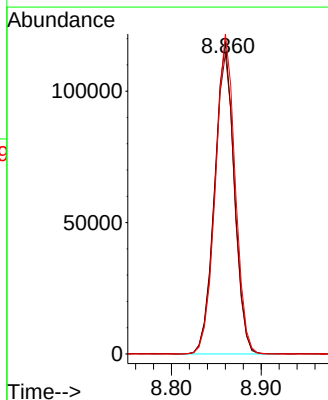
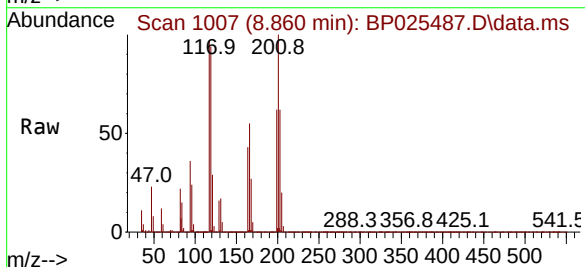
Tgt Ion:117 Resp: 180159

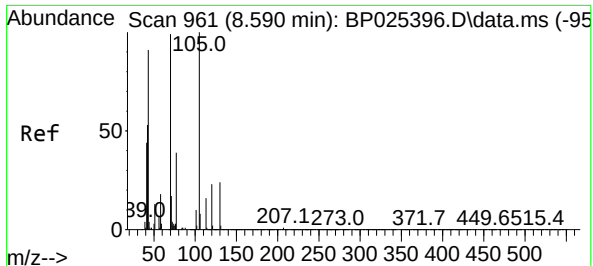
Ion Ratio Lower Upper

117 100

119 96.4 75.1 112.7

201 102.7 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 40.903 ng

RT: 8.584 min Scan# 91

Delta R.T. -0.006 min

Lab File: BP025487.D

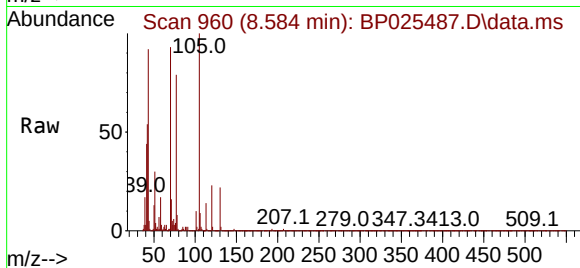
Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 332900

Ion Ratio Lower Upper

70 100

42 57.8 43.8 65.6

101 10.7 8.5 12.7

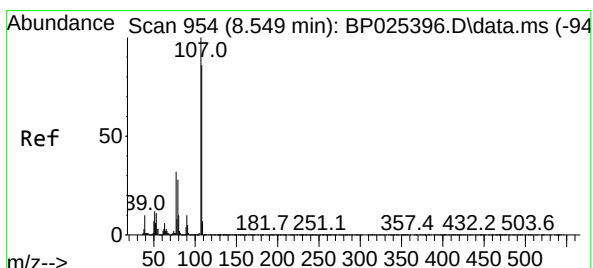
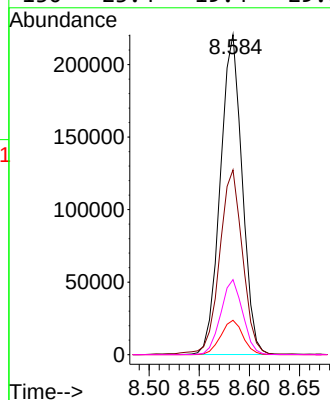
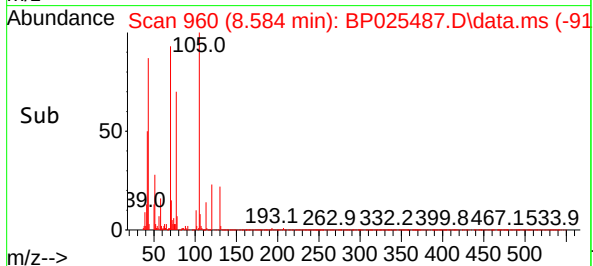
130 23.4 19.4 29.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#20

3+4-Methylphenols

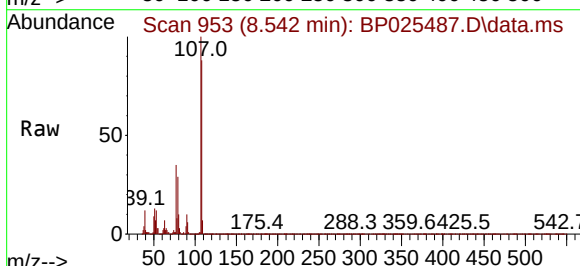
Concen: 40.292 ng

RT: 8.542 min Scan# 953

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46



Tgt Ion:107 Resp: 500121

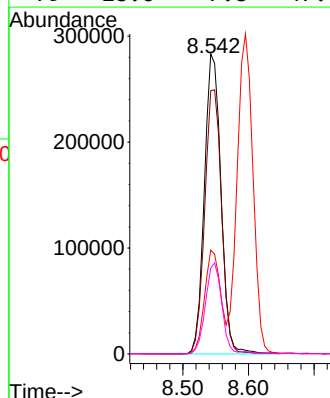
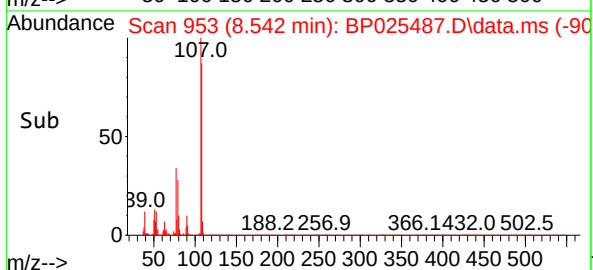
Ion Ratio Lower Upper

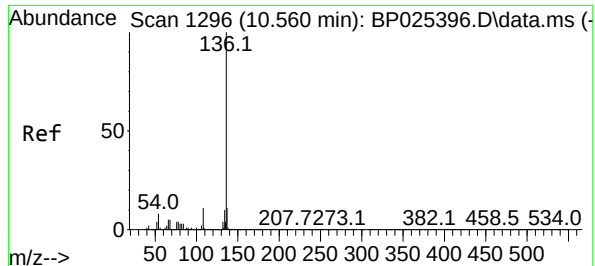
107 100

108 87.8 66.3 106.3

77 34.6 12.3 52.3

79 28.6 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.560 min Scan# 1296

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

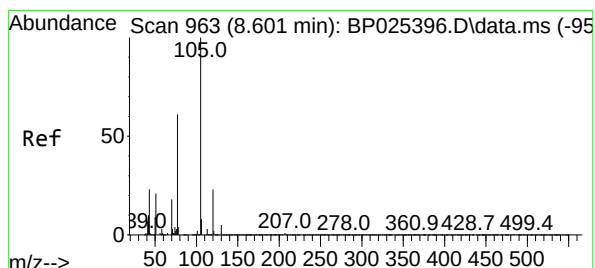
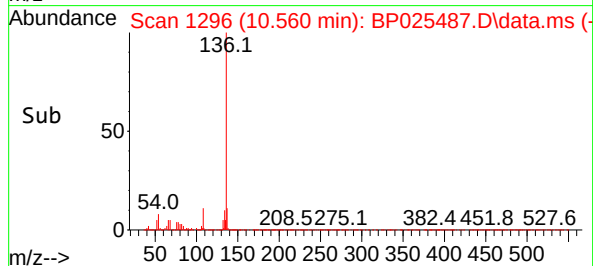
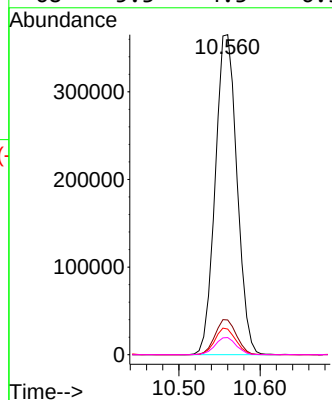
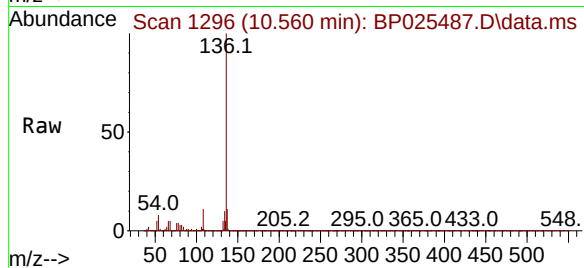
SSTDCCC040

Tgt Ion:	136	Resp:	679178
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.2	13.8
54	8.0	6.0	9.0
68	5.3	4.3	6.5

Manual Integrations
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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#22

Acetophenone

Concen: 40.149 ng

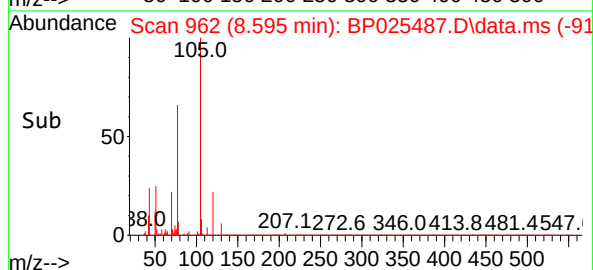
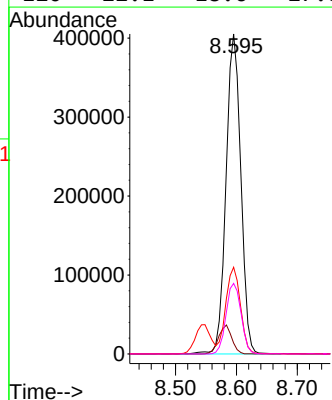
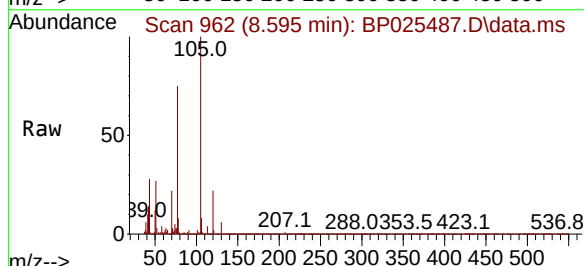
RT: 8.595 min Scan# 962

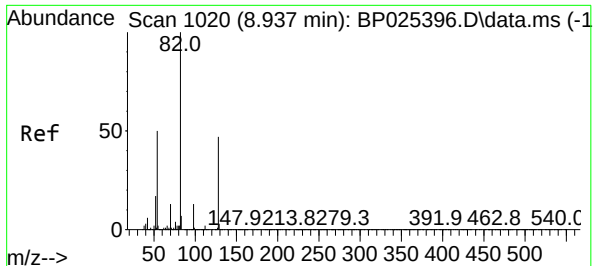
Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Tgt Ion:	105	Resp:	683834
Ion Ratio	Lower	Upper	
105	100		
71	3.4	2.6	4.0
51	27.1	20.6	30.8
120	22.1	18.6	27.8





#23

Nitrobenzene-d5

Concen: 81.140 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 108941

Ion Ratio Lower Upper

82 100

128 45.8 37.7 56.5

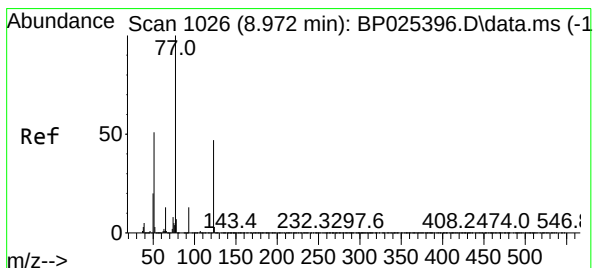
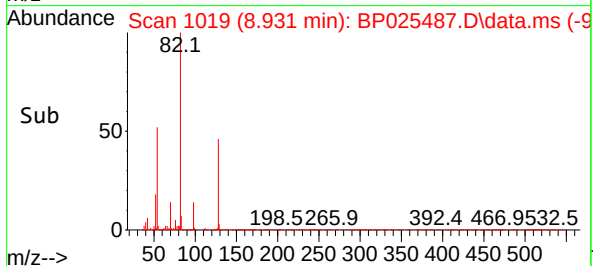
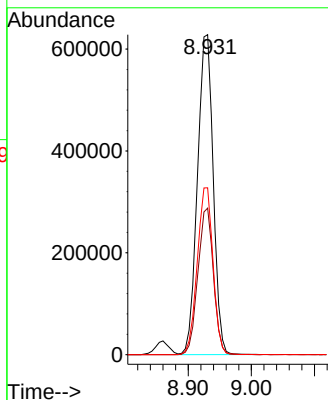
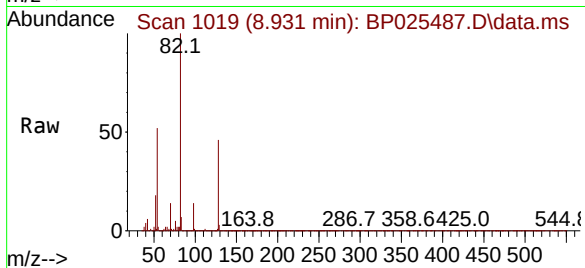
54 52.2 39.8 59.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#24

Nitrobenzene

Concen: 40.951 ng

RT: 8.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

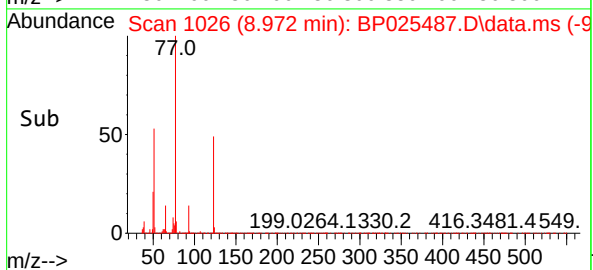
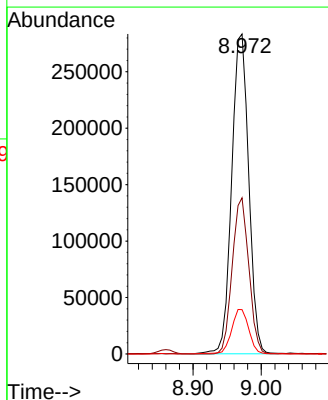
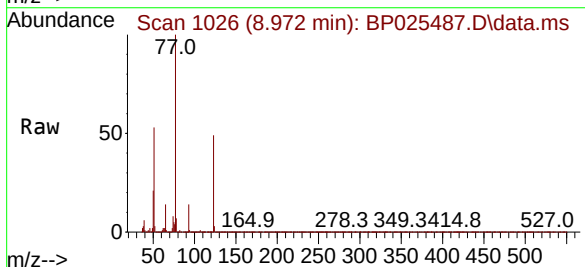
Tgt Ion: 77 Resp: 491390

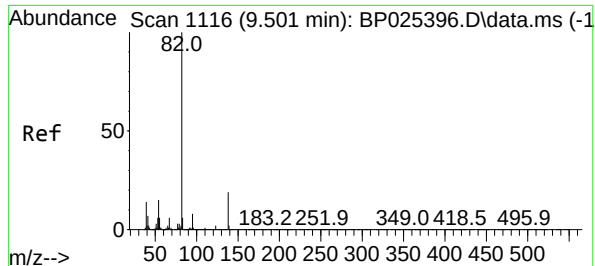
Ion Ratio Lower Upper

77 100

123 48.8 38.6 58.0

65 13.9 10.6 15.8





#25

Isophorone

Concen: 40.304 ng

RT: 9.501 min Scan# 1116

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 95766

Ion Ratio Lower Upper

82 100

95 8.0 6.4 9.6

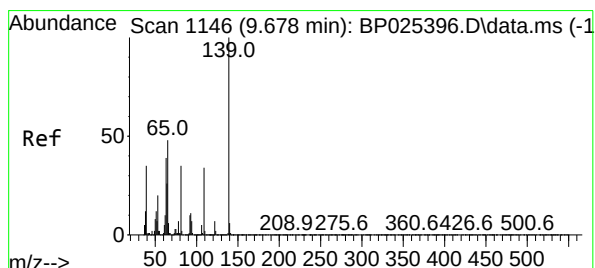
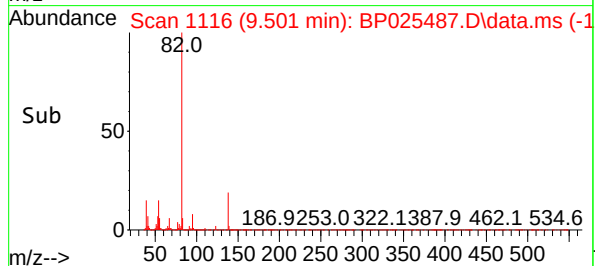
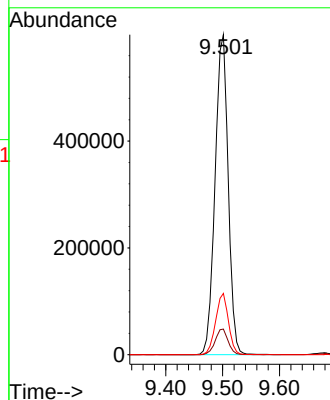
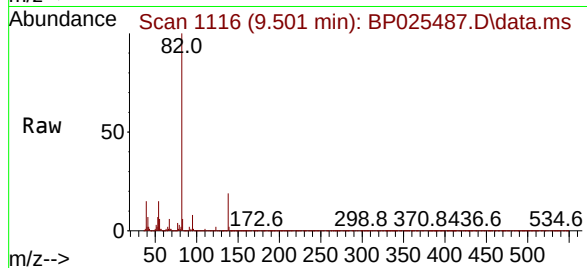
138 19.2 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#26

2-Nitrophenol

Concen: 40.785 ng

RT: 9.678 min Scan# 1146

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

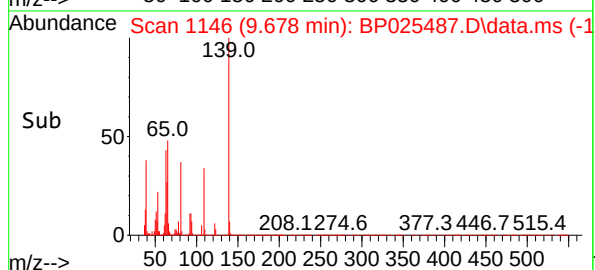
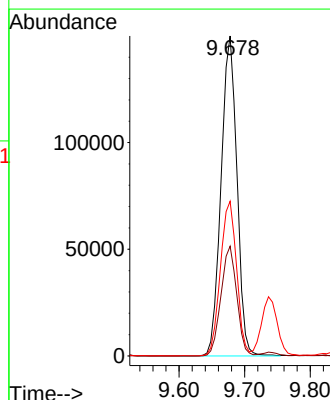
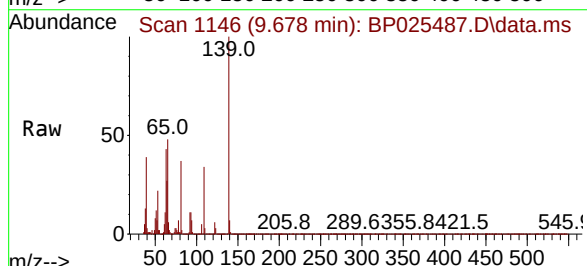
Tgt Ion:139 Resp: 251156

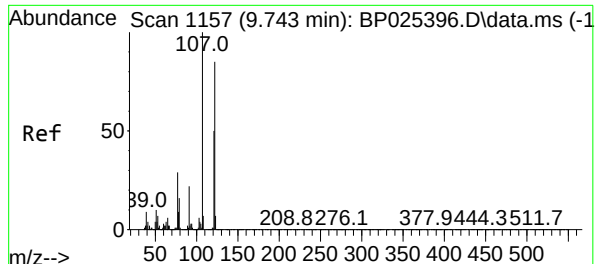
Ion Ratio Lower Upper

139 100

109 34.3 26.9 40.3

65 48.3 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 40.448 ng

RT: 9.736 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 42835

Ion Ratio Lower Upper

122 100

107 119.7 93.7 140.5

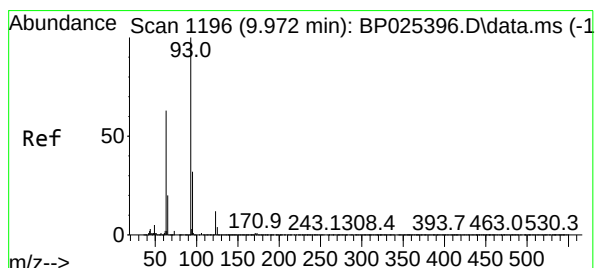
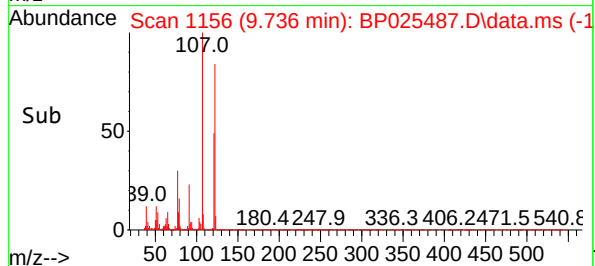
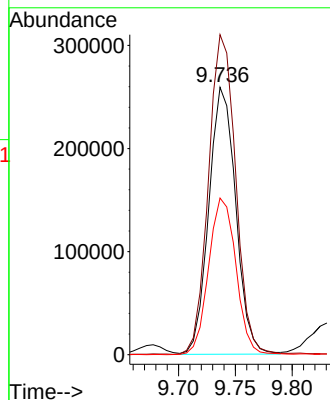
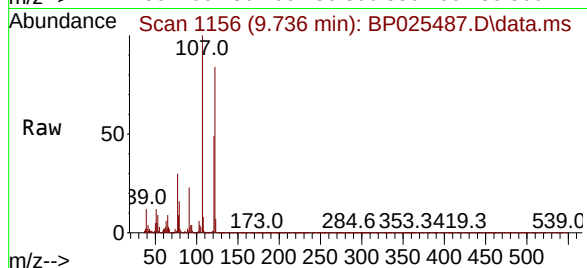
121 58.6 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.338 ng

RT: 9.966 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

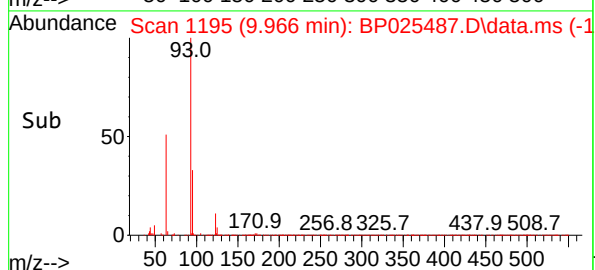
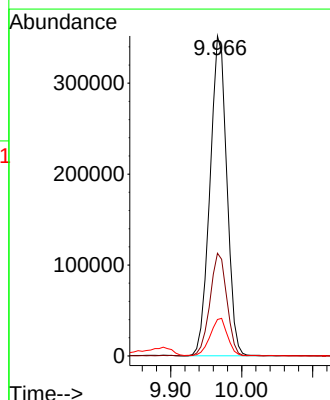
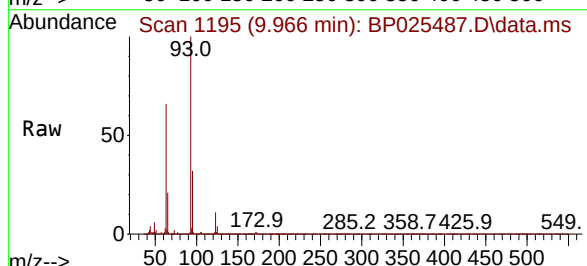
Tgt Ion: 93 Resp: 579381

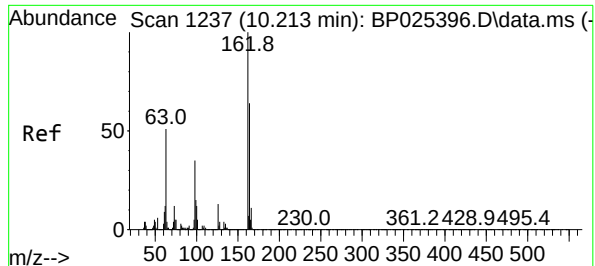
Ion Ratio Lower Upper

93 100

95 32.1 25.4 38.0

123 11.4 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 40.398 ng
RT: 10.207 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

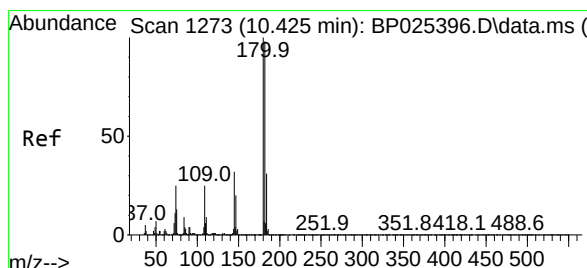
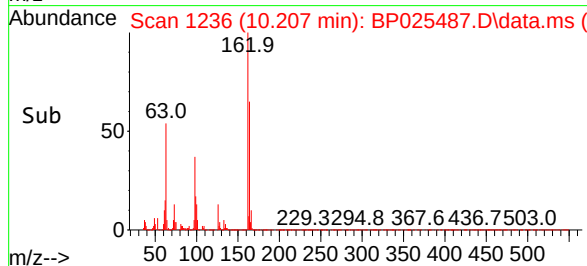
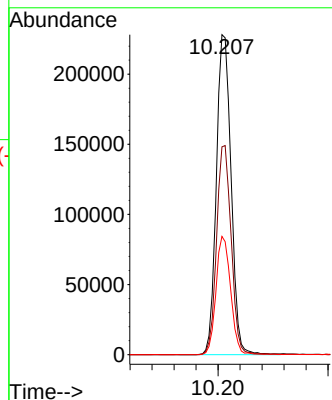
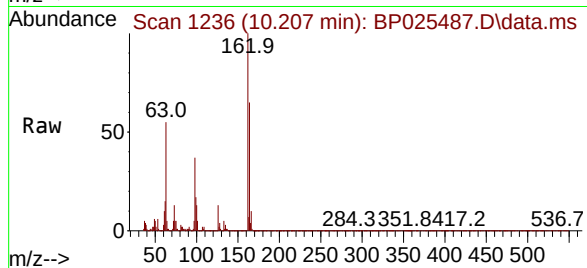
ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 424988
Ion Ratio Lower Upper
162 100
164 65.0 44.4 84.4
98 36.9 14.9 54.9

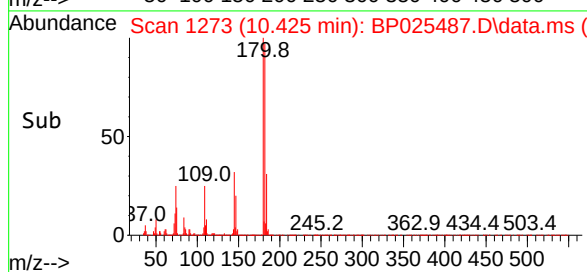
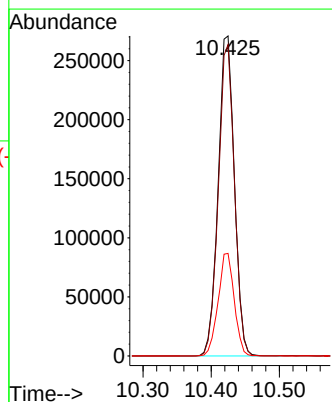
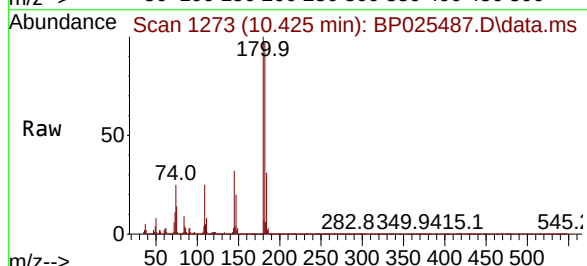
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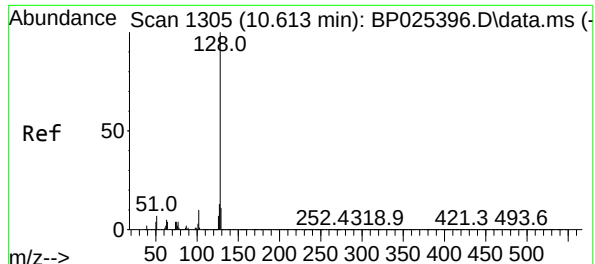
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#30
1,2,4-Trichlorobenzene
Concen: 38.983 ng
RT: 10.425 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:180 Resp: 449563
Ion Ratio Lower Upper
180 100
182 97.3 78.0 117.0
145 32.1 25.9 38.9





#31

Naphthalene

Concen: 39.844 ng

RT: 10.613 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 1406520

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

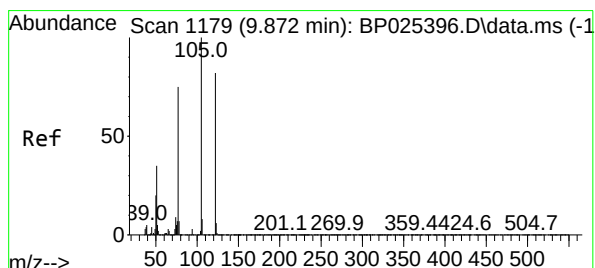
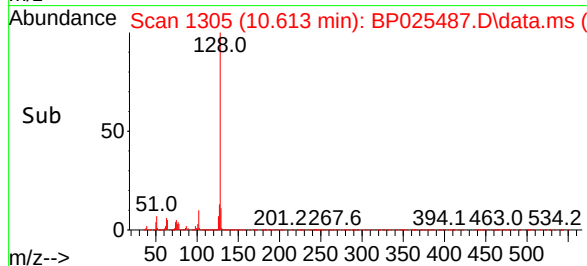
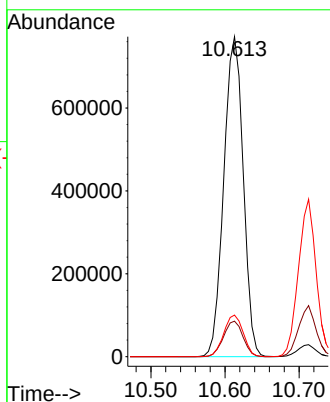
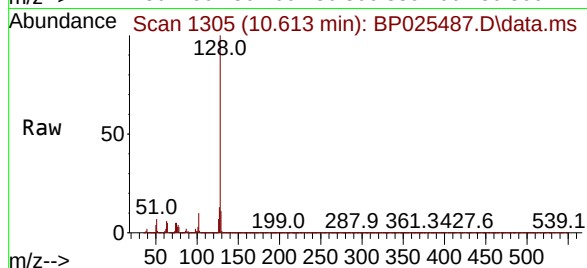
127 13.0 10.7 16.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#32

Benzoic acid

Concen: 52.196 ng

RT: 9.895 min Scan# 1183

Delta R.T. 0.023 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

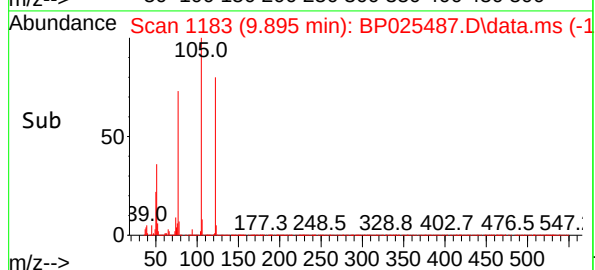
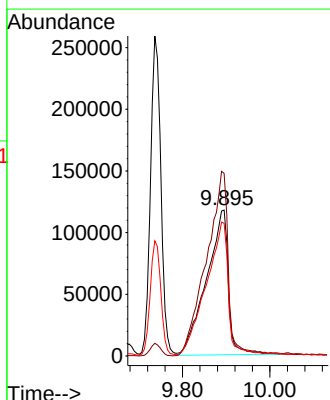
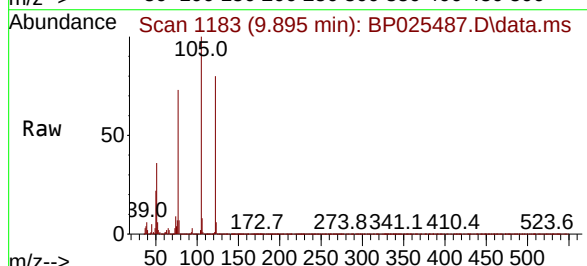
Tgt Ion:122 Resp: 408095

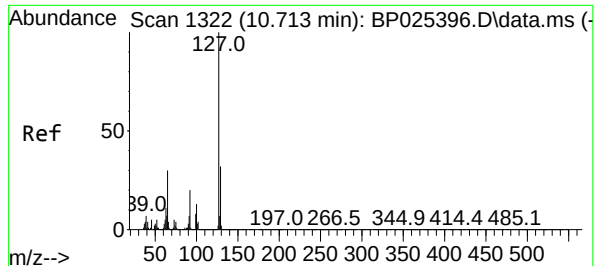
Ion Ratio Lower Upper

122 100

105 125.2 100.6 140.6

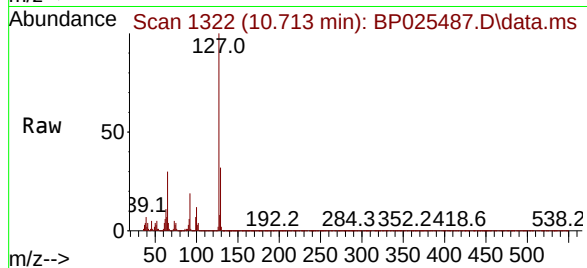
77 91.0 71.5 111.5





#33
4-Chloroaniline
Concen: 40.661 ng
RT: 10.713 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

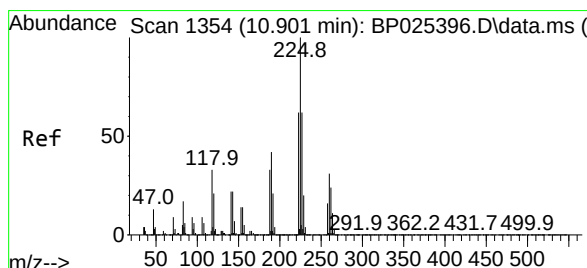
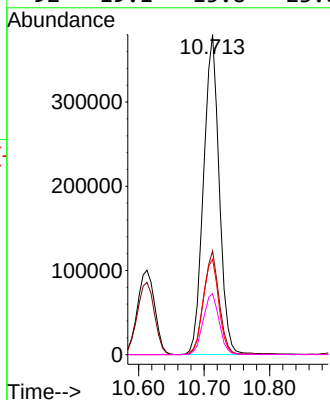
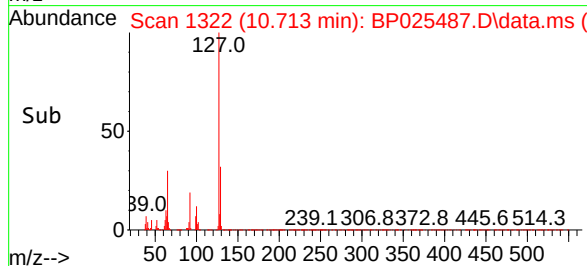
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:127 Resp: 634028
Ion Ratio Lower Upper
127 100
129 32.4 25.4 38.2
65 29.8 23.8 35.6
92 19.1 15.8 23.8

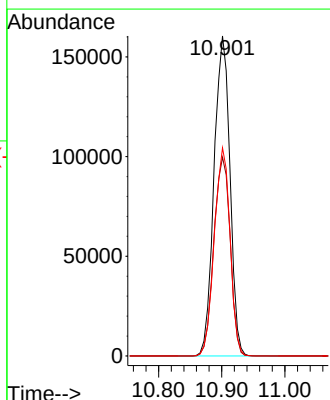
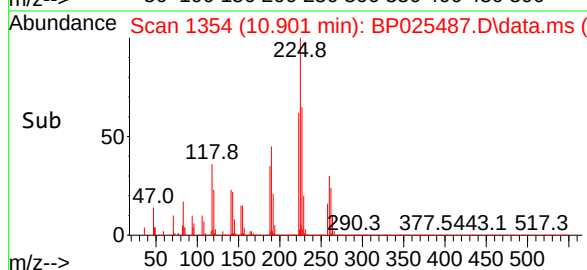
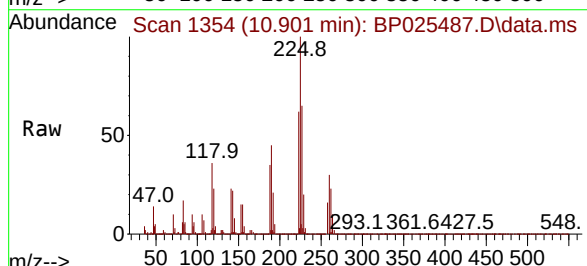
Manual Integrations
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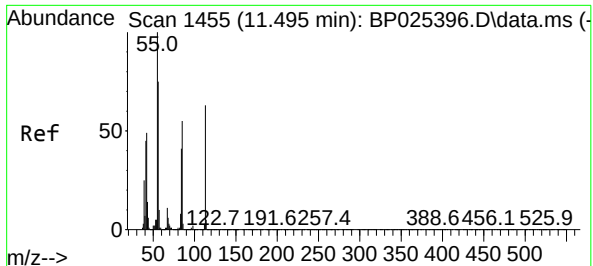
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#34
Hexachlorobutadiene
Concen: 39.100 ng
RT: 10.901 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

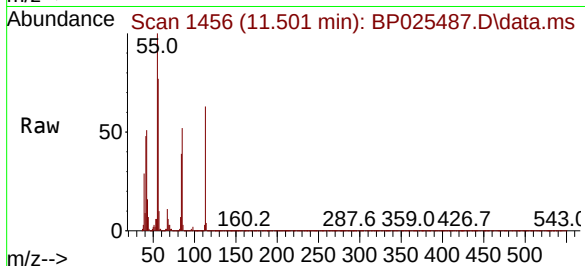
Tgt Ion:225 Resp: 280821
Ion Ratio Lower Upper
225 100
223 62.1 50.0 75.0
227 65.1 49.7 74.5





#35
Caprolactam
Concen: 41.192 ng
RT: 11.501 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

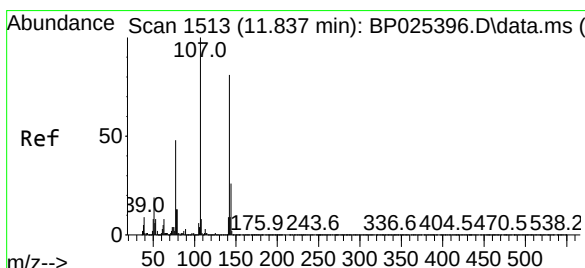
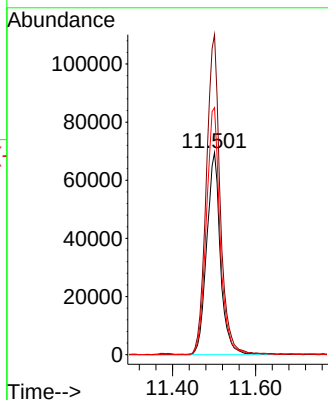
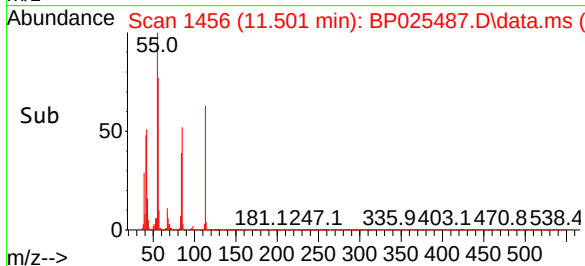
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



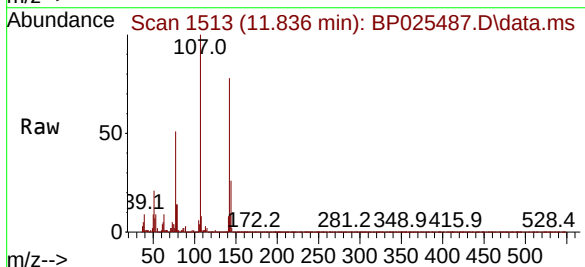
Tgt Ion:113 Resp: 158902
Ion Ratio Lower Upper
113 100
55 158.4 140.0 180.0
56 122.3 100.0 140.0

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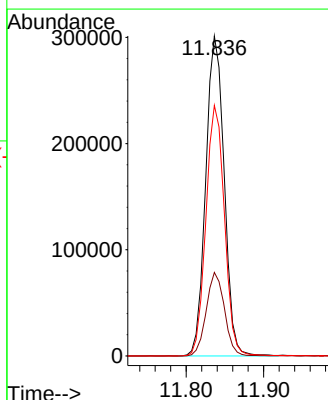
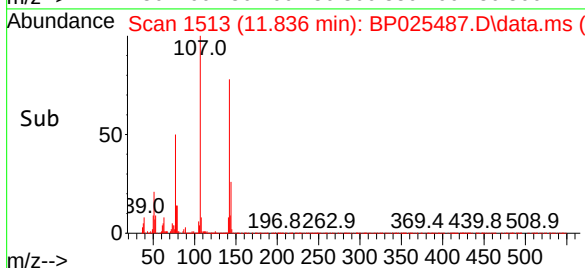
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

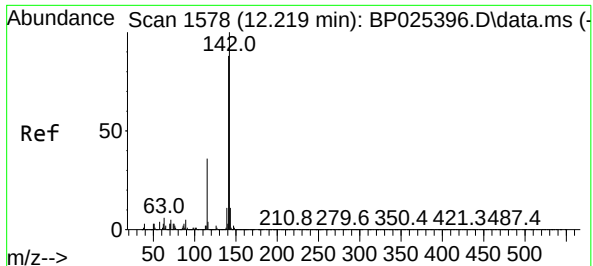


#36
4-Chloro-3-methylphenol
Concen: 41.295 ng
RT: 11.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



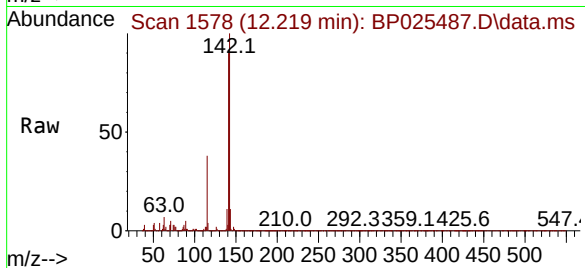
Tgt Ion:107 Resp: 498499
Ion Ratio Lower Upper
107 100
144 26.1 21.0 31.4
142 78.3 64.6 97.0





#37
2-Methylnaphthalene
Concen: 39.806 ng
RT: 12.219 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

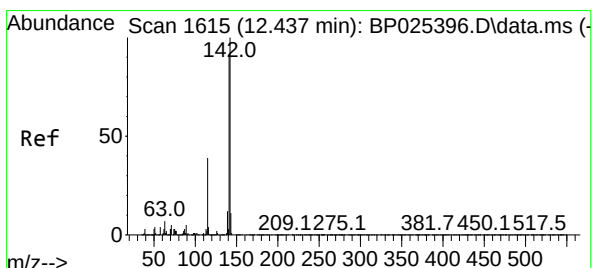
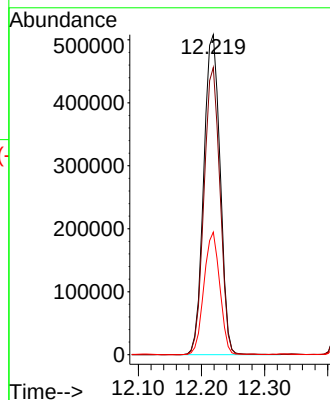
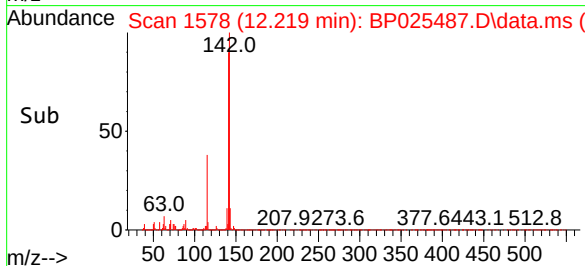
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



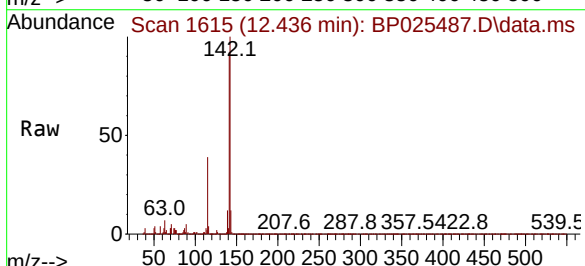
Tgt Ion:142 Resp: 914456
Ion Ratio Lower Upper
142 100
141 89.8 70.3 105.5
115 38.3 28.9 43.3

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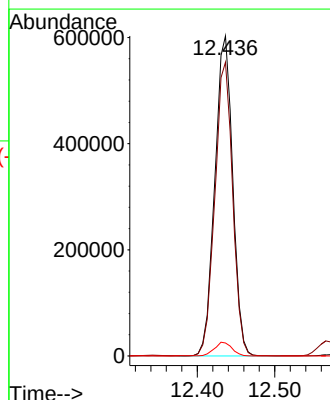
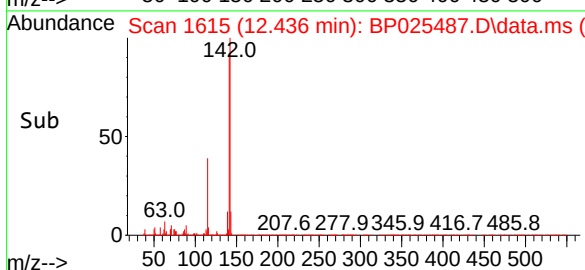
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

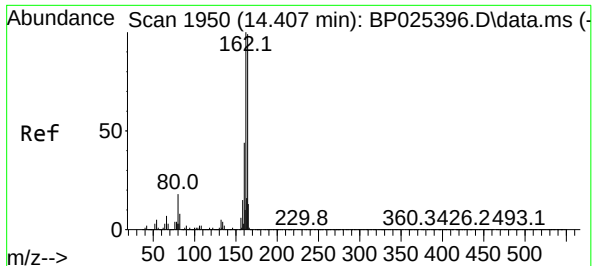


#38
1-Methylnaphthalene
Concen: 39.466 ng
RT: 12.436 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



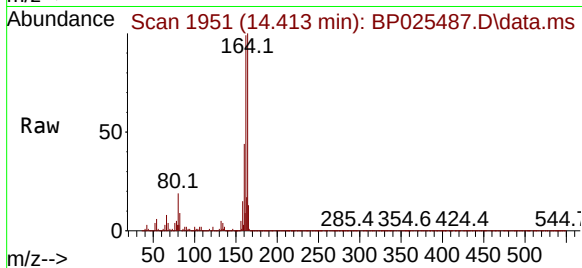
Tgt Ion:142 Resp: 964168
Ion Ratio Lower Upper
142 100
141 91.8 73.1 109.7
116 4.0 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

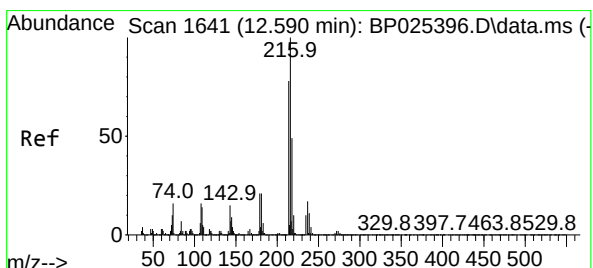
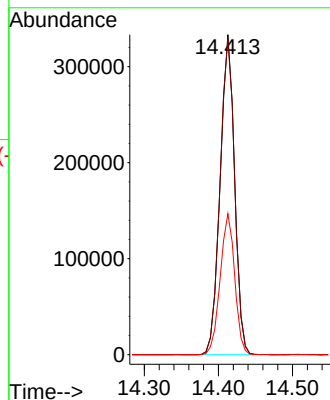
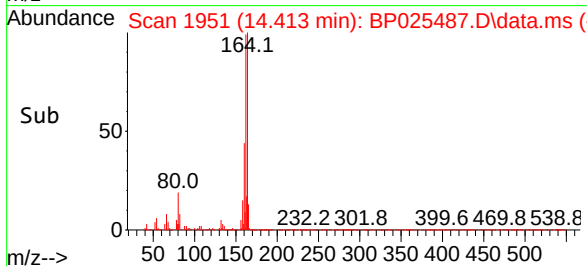
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



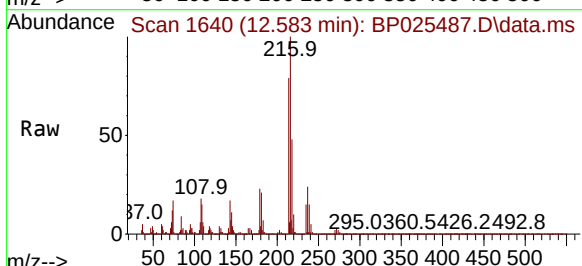
Tgt Ion:164 Resp: 450864
Ion Ratio Lower Upper
164 100
162 98.7 81.0 121.6
160 44.1 35.4 53.2

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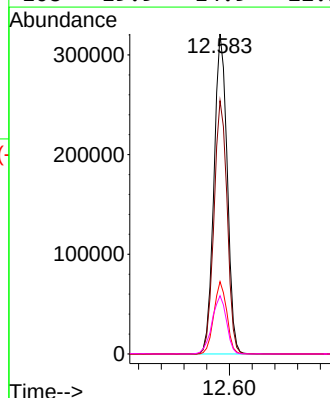
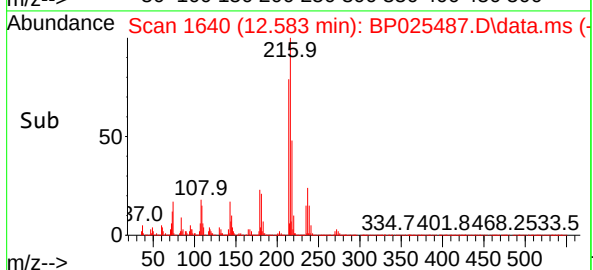
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

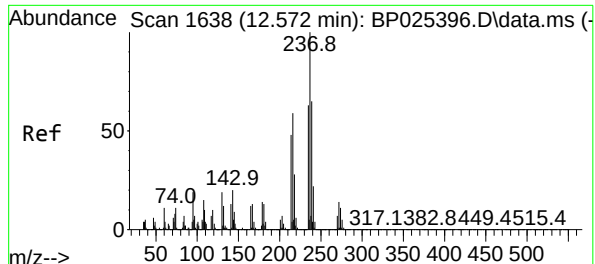


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.618 ng
RT: 12.583 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



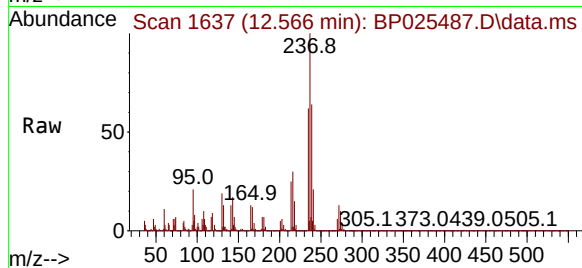
Tgt Ion:216 Resp: 515884
Ion Ratio Lower Upper
216 100
214 79.1 63.0 94.4
179 22.1 17.1 25.7
108 19.9 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 46.040 ng
RT: 12.566 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

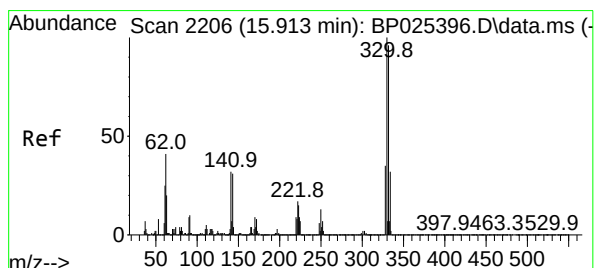
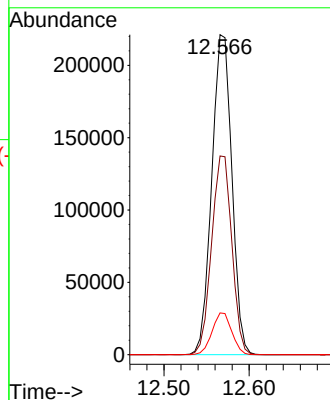
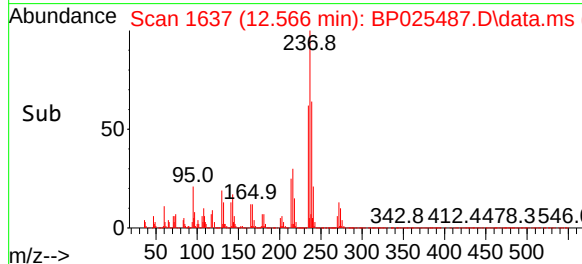
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



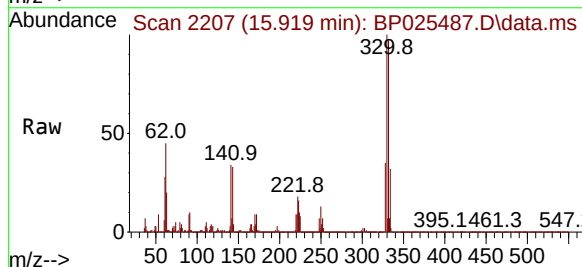
Tgt Ion: 237 Resp: 362128
Ion Ratio Lower Upper
237 100
235 62.1 42.7 82.7
272 13.1 0.0 34.0

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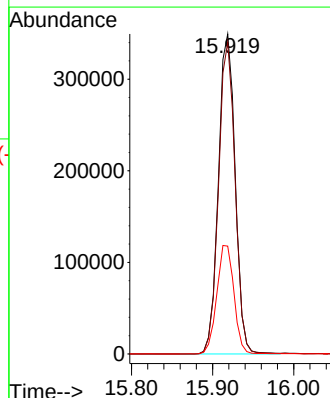
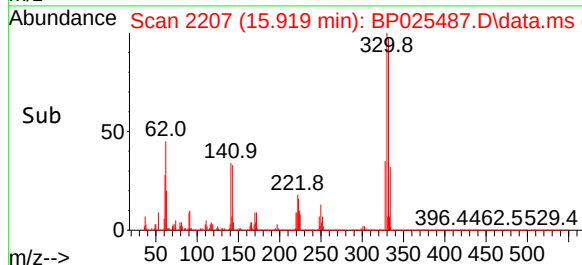
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

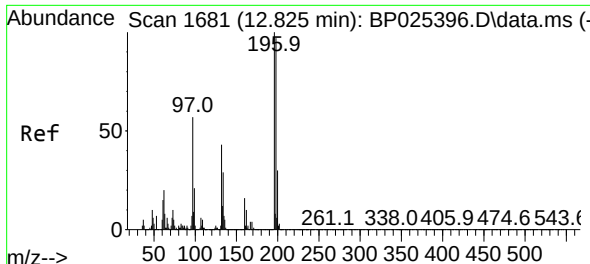


#42
2,4,6-Tribromophenol
Concen: 82.710 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



Tgt Ion: 330 Resp: 501941
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 34.8 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 40.986 ng

RT: 12.825 min Scan# 1681

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 360300

Ion Ratio Lower Upper

196 100

198 96.1 77.2 115.8

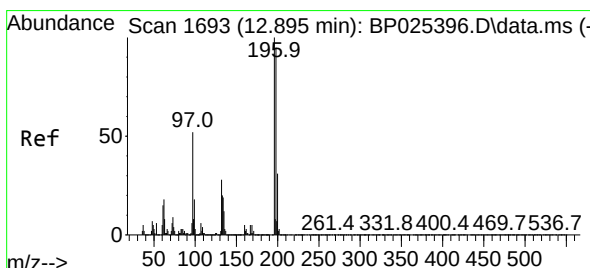
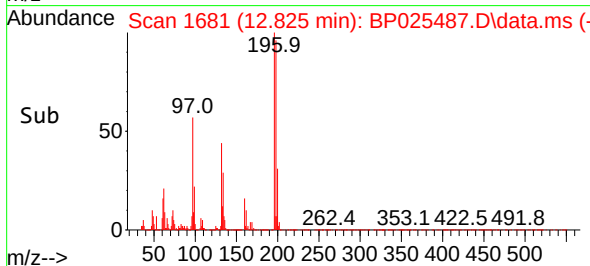
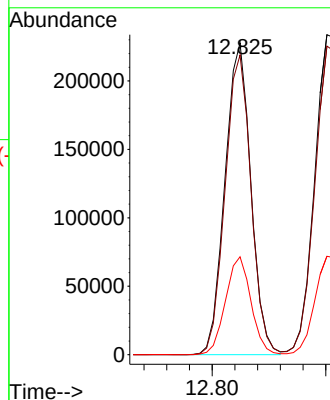
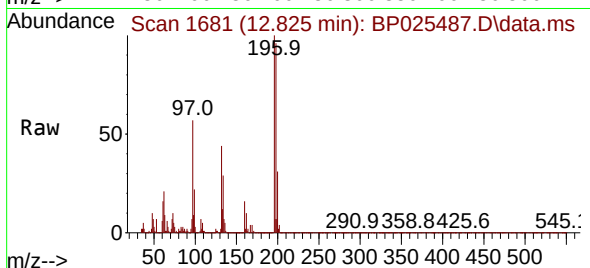
200 31.4 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#44

2,4,5-Trichlorophenol

Concen: 41.492 ng

RT: 12.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Tgt Ion:196 Resp: 399763

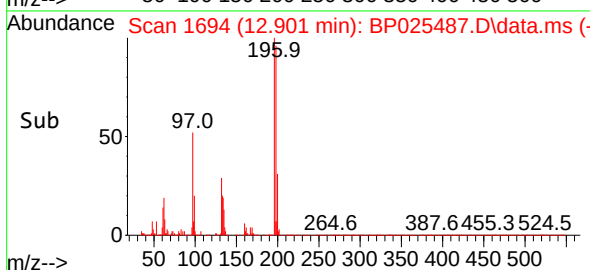
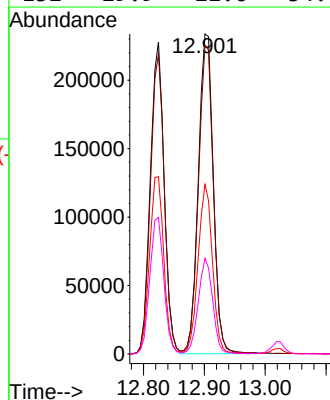
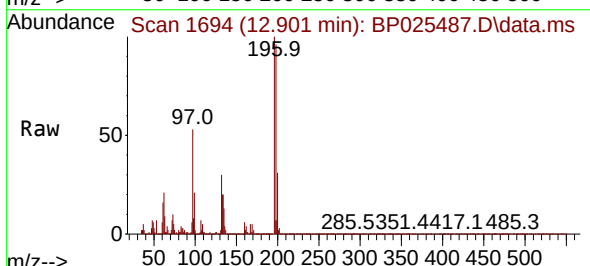
Ion Ratio Lower Upper

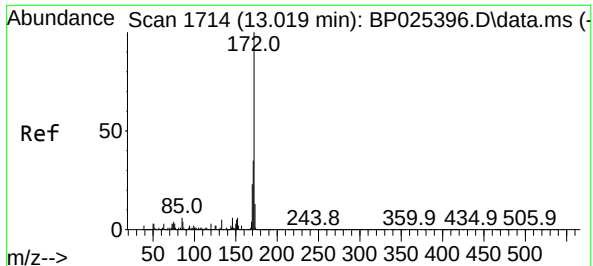
196 100

198 96.4 76.2 114.2

97 53.0 41.2 61.8

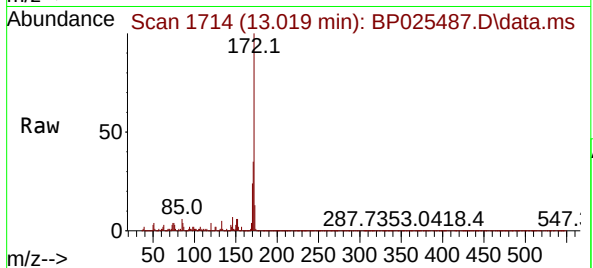
132 29.9 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 76.967 ng
RT: 13.019 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

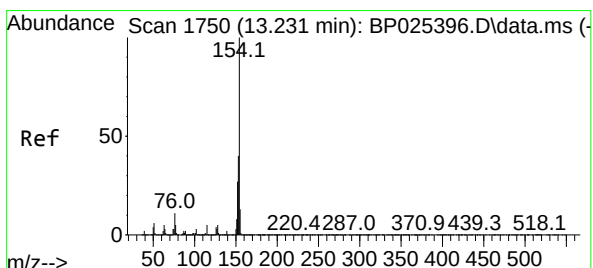
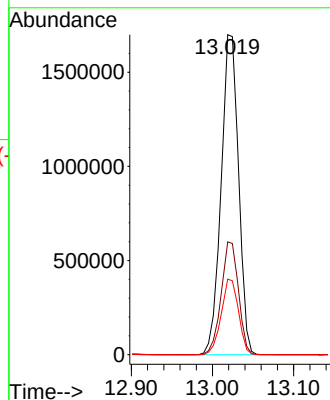
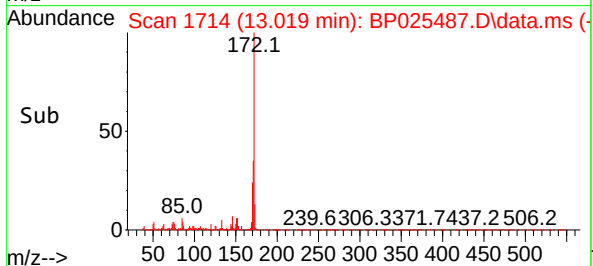
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



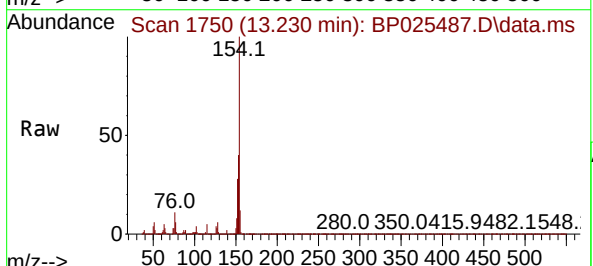
Tgt Ion:172 Resp: 2539090
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.6 18.6 28.0

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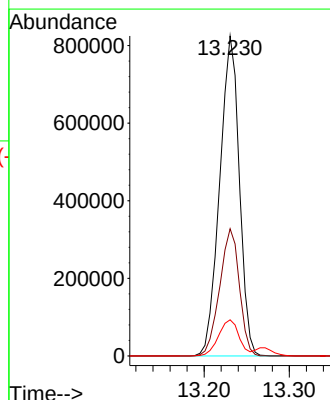
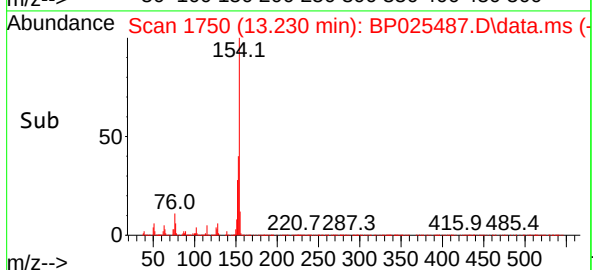
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

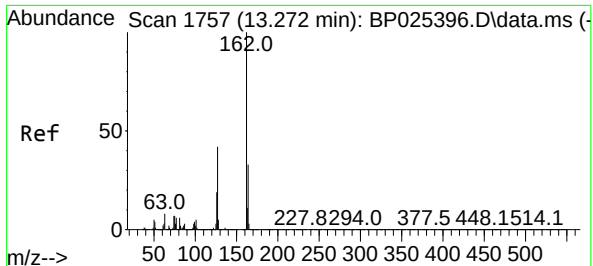


#46
1,1'-Biphenyl
Concen: 40.264 ng
RT: 13.230 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



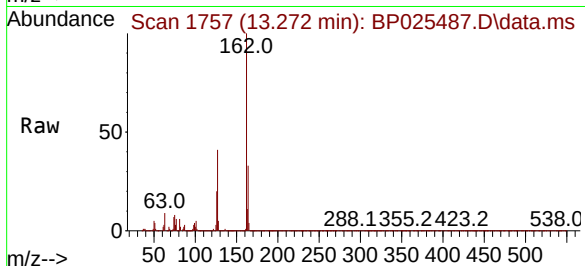
Tgt Ion:154 Resp: 1318412
Ion Ratio Lower Upper
154 100
153 39.8 19.5 59.5
76 11.3 0.0 31.1





#47
2-Chloronaphthalene
Concen: 39.989 ng
RT: 13.272 min Scan# 1757
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

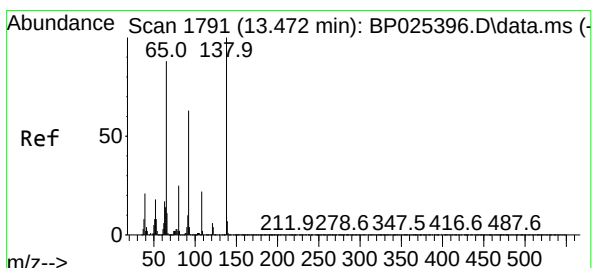
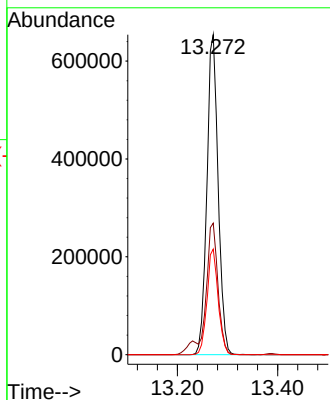
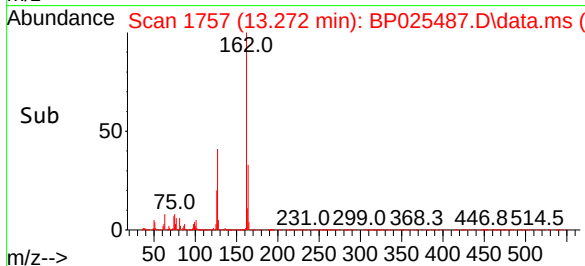
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



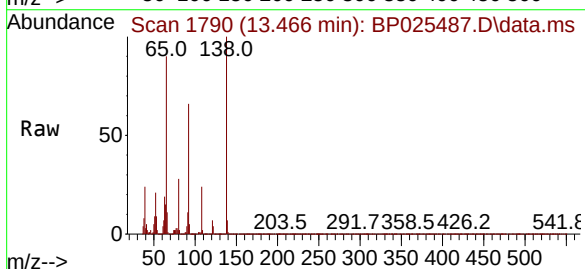
Tgt Ion: 162 Resp: 101935
Ion Ratio Lower Upper
162 100
127 41.1 33.4 50.2
164 33.0 26.2 39.2

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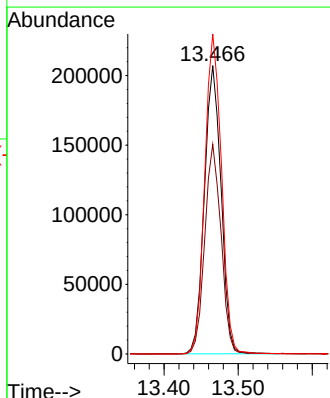
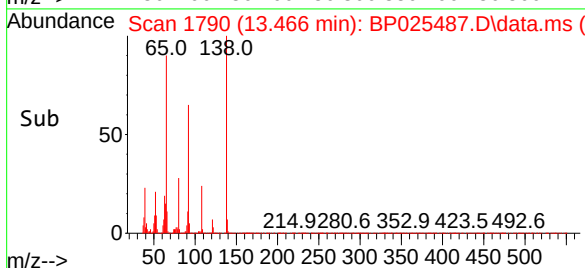
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

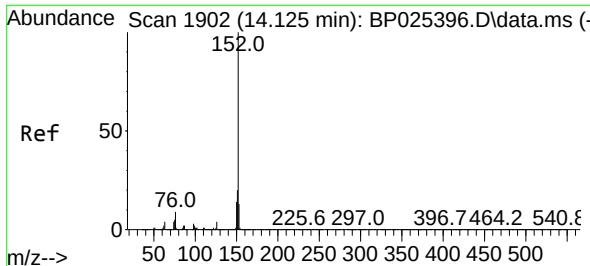


#48
2-Nitroaniline
Concen: 43.643 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



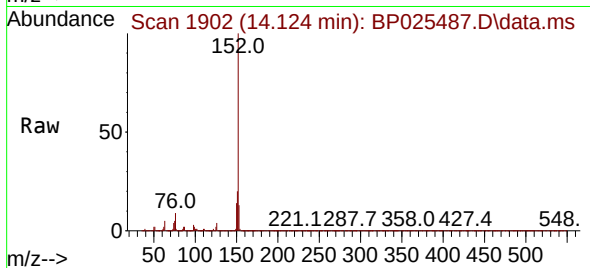
Tgt Ion: 65 Resp: 324159
Ion Ratio Lower Upper
65 100
92 72.7 57.6 86.4
138 111.0 91.0 136.6





#49
Acenaphthylene
Concen: 40.393 ng
RT: 14.124 min Scan# 1902
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

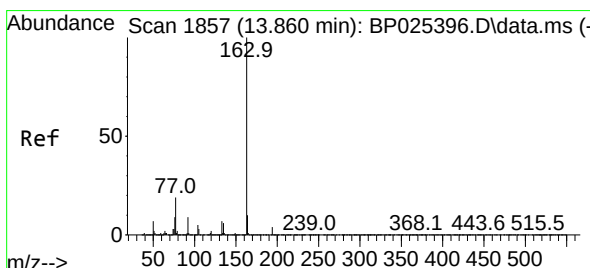
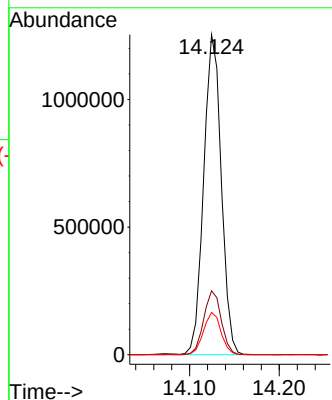
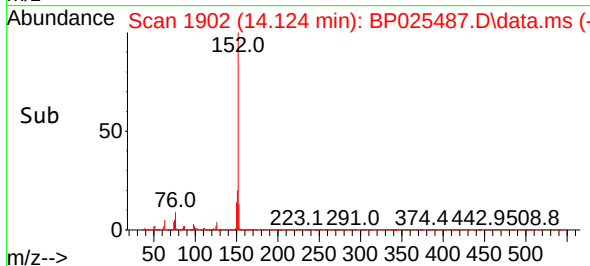
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



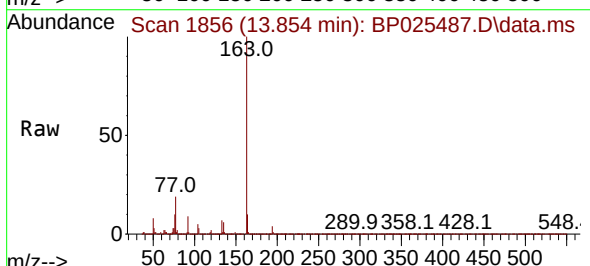
Tgt Ion:152 Resp: 1703788
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.2 10.6 15.8

Manual Integrations
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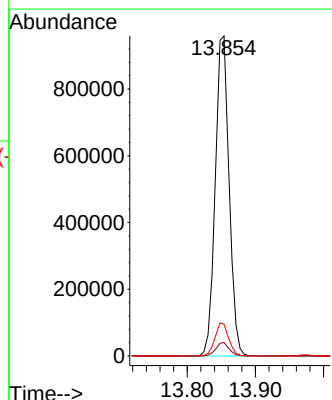
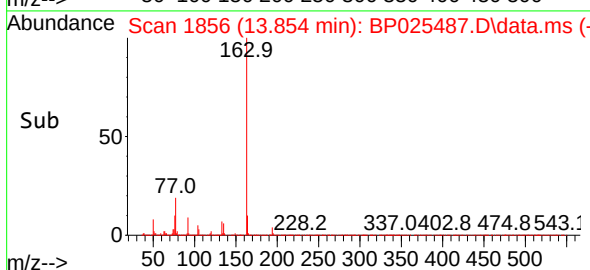
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

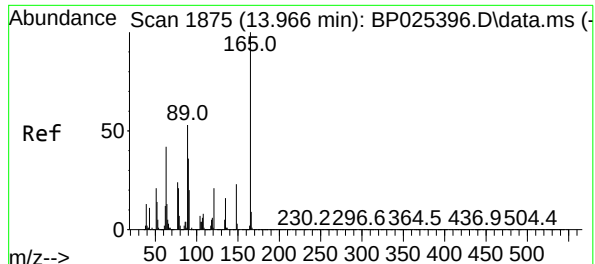


#50
Dimethylphthalate
Concen: 41.055 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



Tgt Ion:163 Resp: 1355491
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.9 7.9 11.9





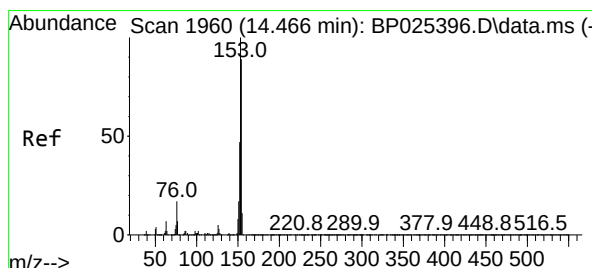
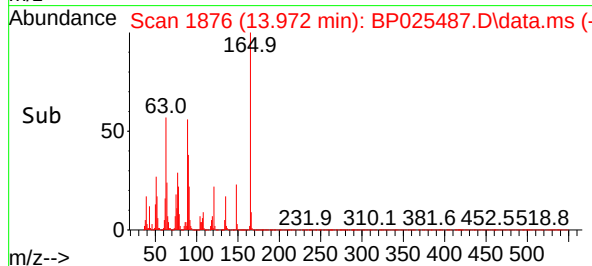
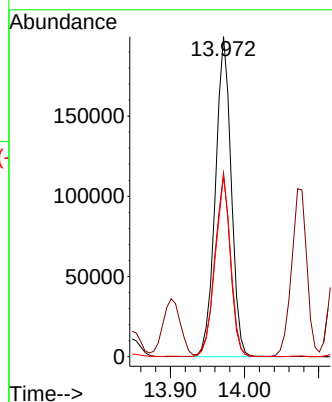
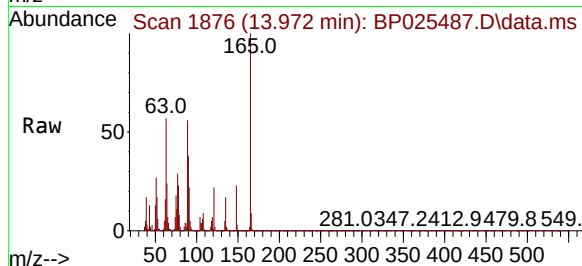
#51
2,6-Dinitrotoluene
Concen: 42.345 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 29467
Ion Ratio Lower Upper
165 100
63 57.3 40.9 61.3
89 56.4 42.1 63.1

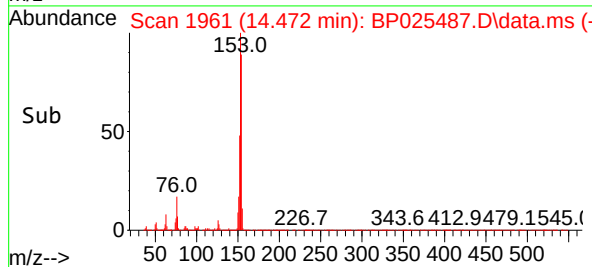
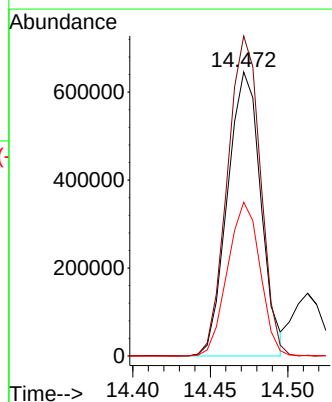
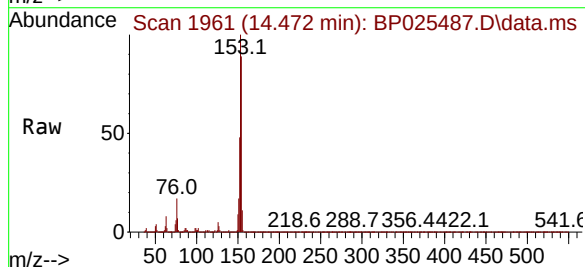
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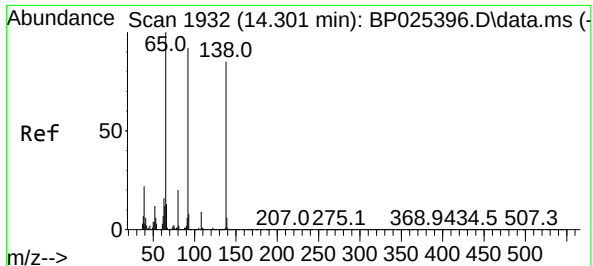
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#52
Acenaphthene
Concen: 39.004 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

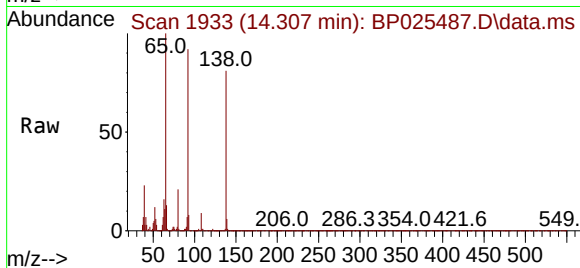
Tgt Ion:154 Resp: 965696
Ion Ratio Lower Upper
154 100
153 112.7 90.2 135.2
152 54.1 42.1 63.1





#53
3-Nitroaniline
Concen: 42.258 ng
RT: 14.307 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

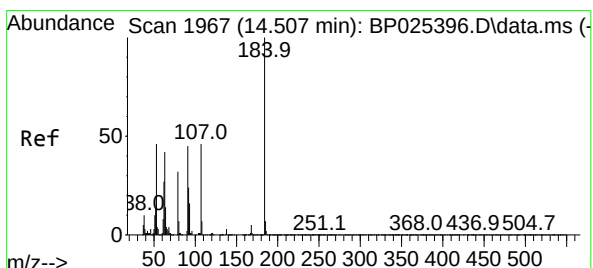
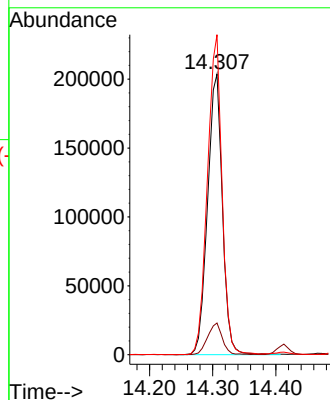
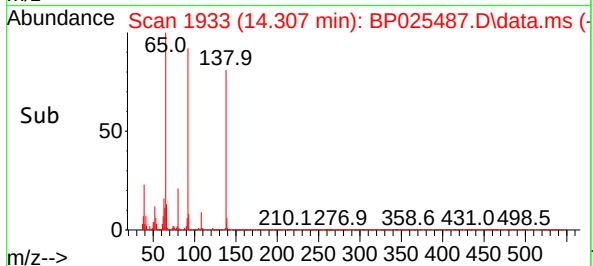
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



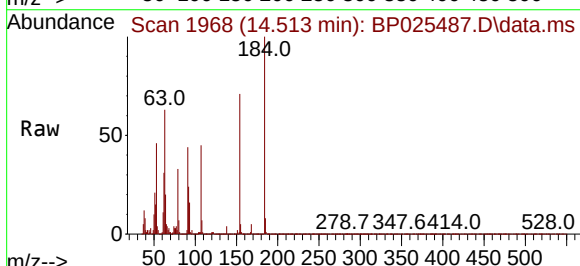
Tgt Ion:138 Resp: 330858
Ion Ratio Lower Upper
138 100
108 11.3 8.3 12.5
92 114.1 86.2 129.2

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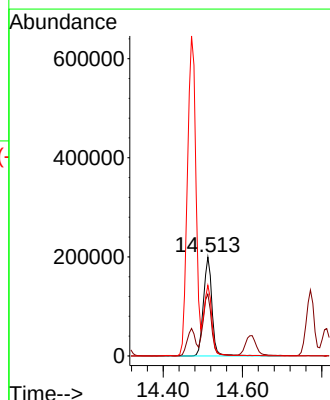
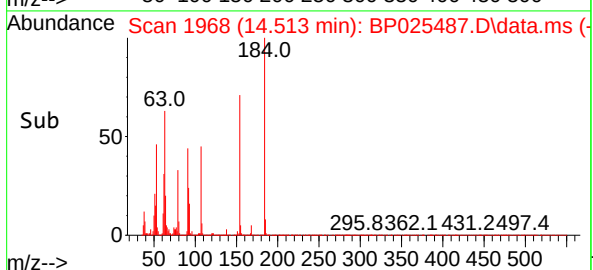
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

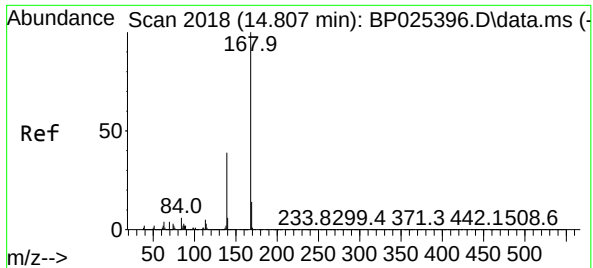


#54
2,4-Dinitrophenol
Concen: 80.460 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



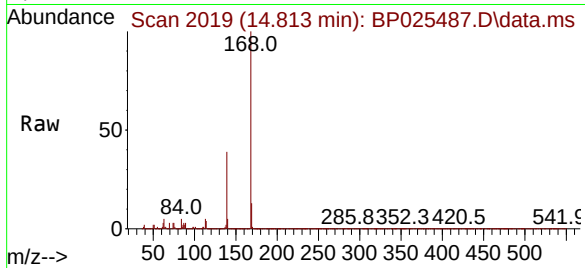
Tgt Ion:184 Resp: 299007
Ion Ratio Lower Upper
184 100
63 62.7 49.4 74.2
154 71.4 54.6 82.0





#55
Dibenzenofuran
Concen: 39.380 ng
RT: 14.813 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

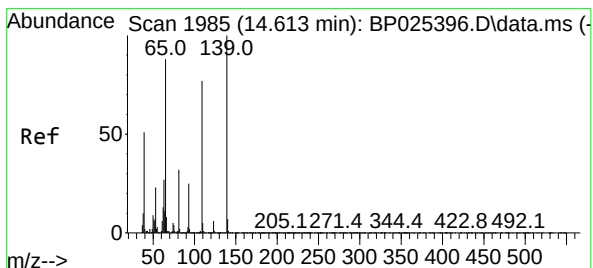
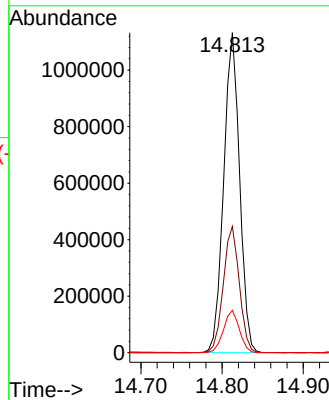
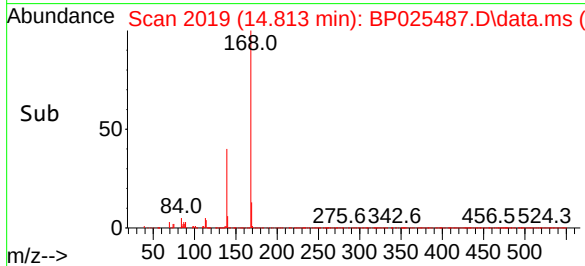
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



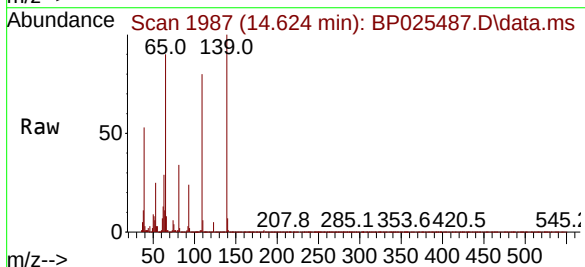
Tgt Ion:168 Resp: 154151
Ion Ratio Lower Upper
168 100
139 39.4 31.5 47.3
169 13.2 10.9 16.3

Manual Integrations
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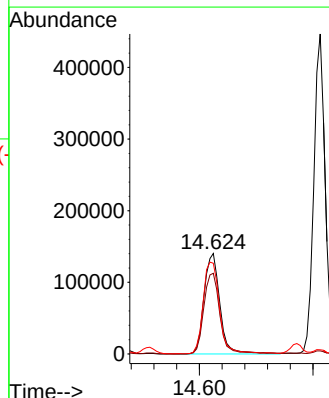
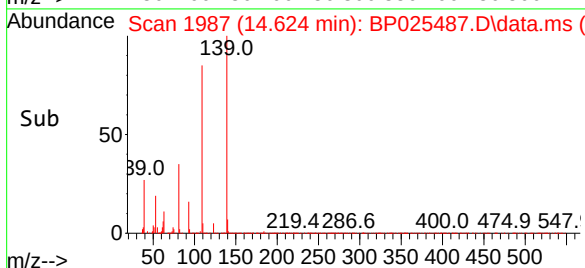
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

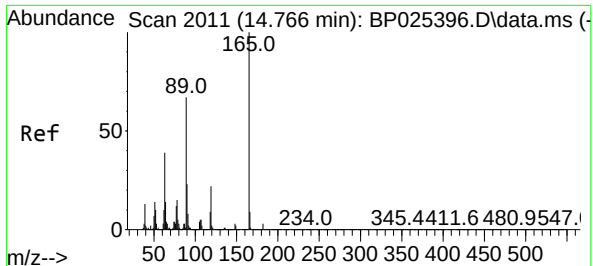


#56
4-Nitrophenol
Concen: 42.159 ng
RT: 14.624 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



Tgt Ion:139 Resp: 271237
Ion Ratio Lower Upper
139 100
109 80.3 56.6 96.6
65 90.3 68.2 108.2





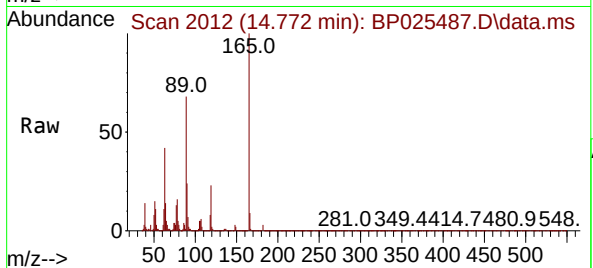
#57
2,4-Dinitrotoluene
Concen: 43.171 ng
RT: 14.772 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

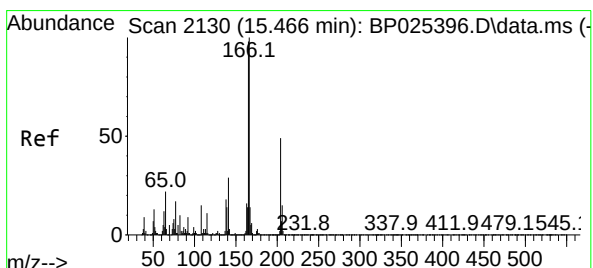
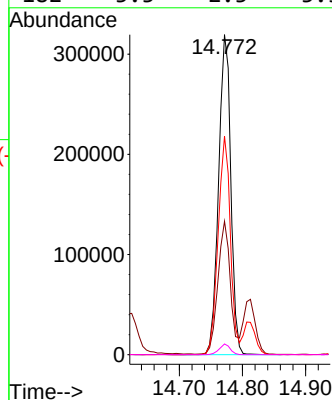
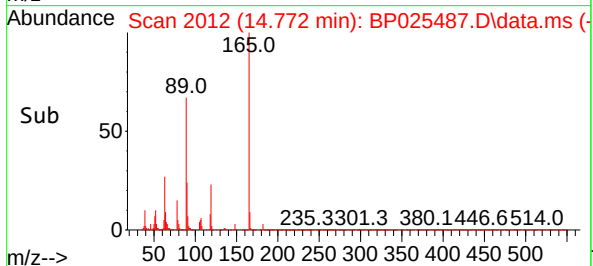
SSTDCCC040



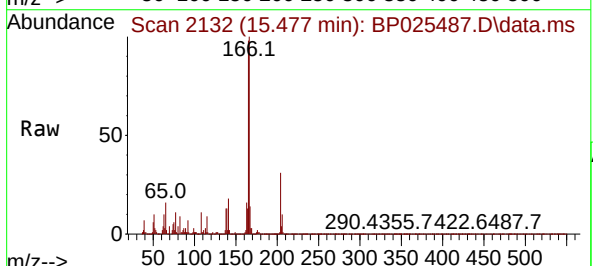
Tgt Ion:165 Resp: 428628
Ion Ratio Lower Upper
165 100
63 41.7 31.4 47.2
89 68.3 53.3 79.9
182 3.3 2.3 3.5

Manual Integrations
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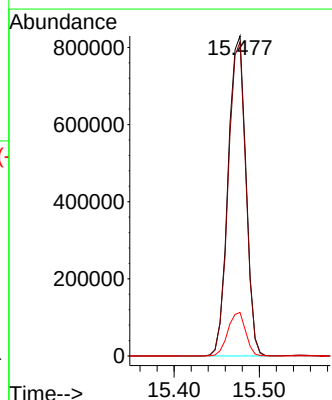
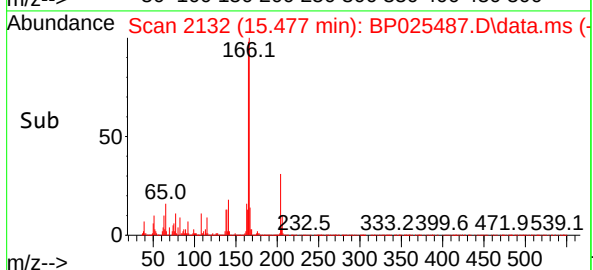
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

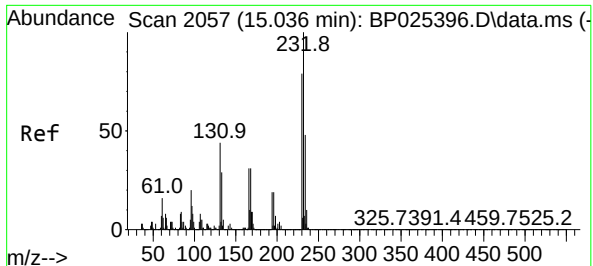


#58
Fluorene
Concen: 38.896 ng
RT: 15.477 min Scan# 2132
Delta R.T. 0.011 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



Tgt Ion:166 Resp: 1201420
Ion Ratio Lower Upper
166 100
165 98.1 78.8 118.2
167 13.6 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 41.154 ng

RT: 15.042 min Scan# 2058

Delta R.T. 0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:232 Resp: 35010

Ion Ratio Lower Upper

232 100

131 48.6 37.0 55.6

130 2.8 1.9 2.9

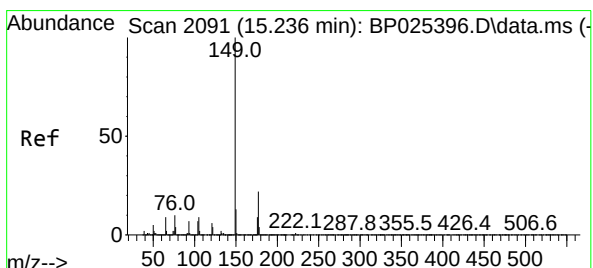
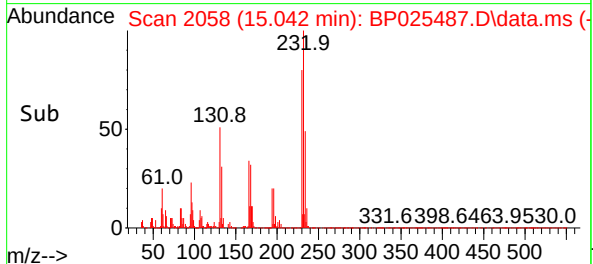
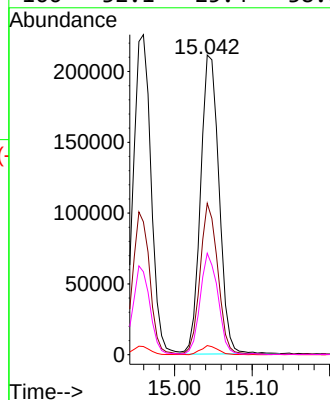
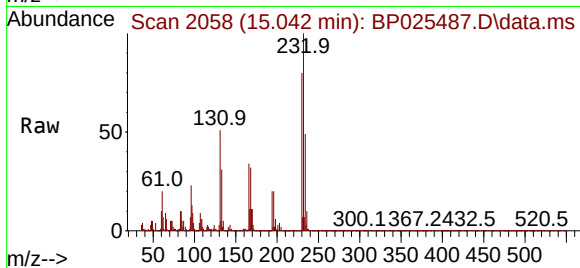
166 32.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#60

Diethylphthalate

Concen: 41.316 ng

RT: 15.236 min Scan# 2091

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

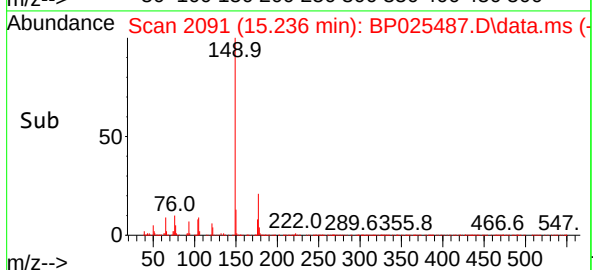
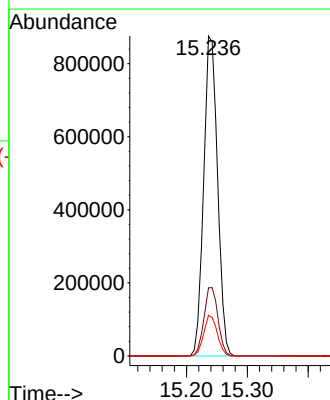
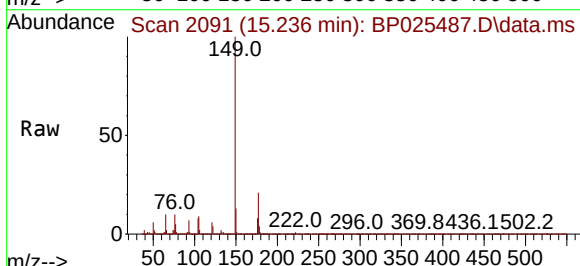
Tgt Ion:149 Resp: 1386072

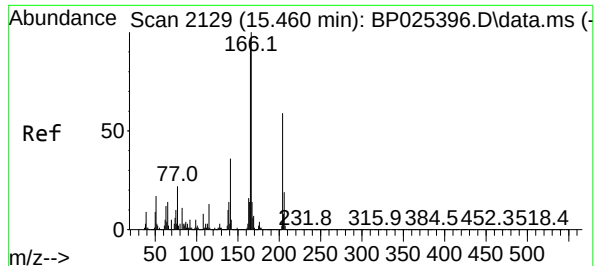
Ion Ratio Lower Upper

149 100

177 21.3 17.3 25.9

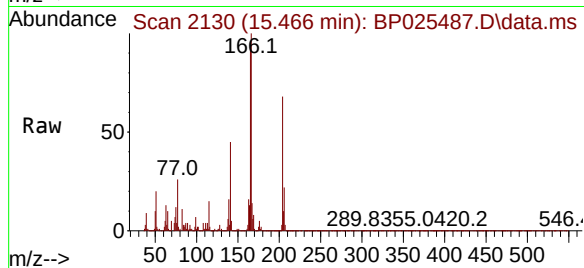
150 12.7 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 38.989 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

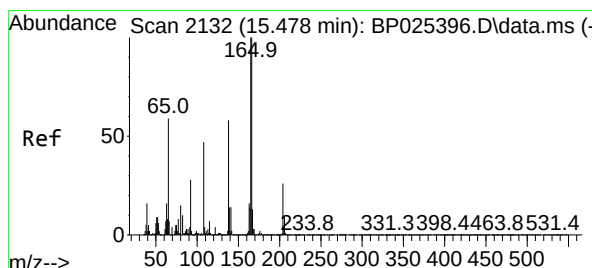
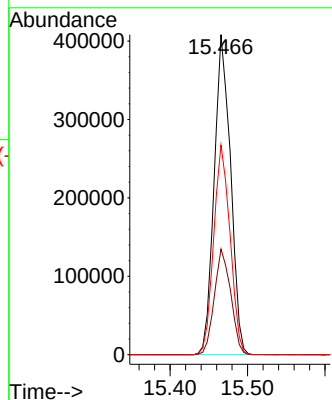
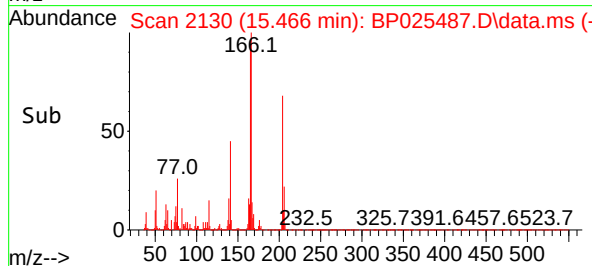
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



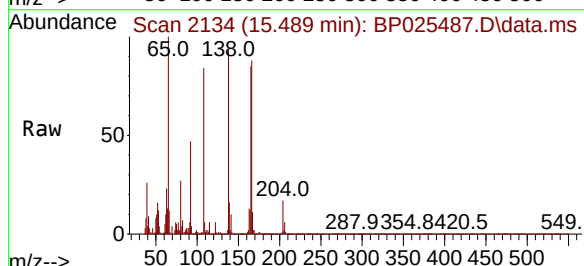
Tgt Ion:204 Resp: 598934
Ion Ratio Lower Upper
204 100
206 33.0 25.8 38.8
141 65.5 49.4 74.2

Manual Integrations
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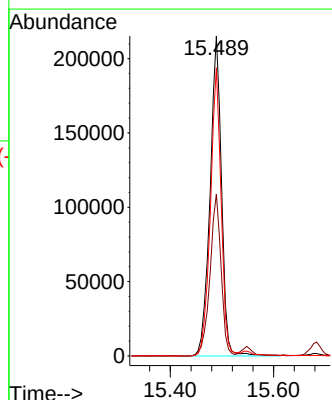
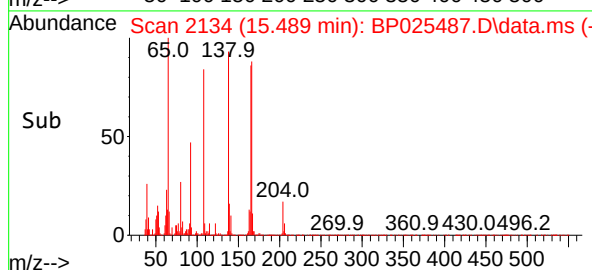
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

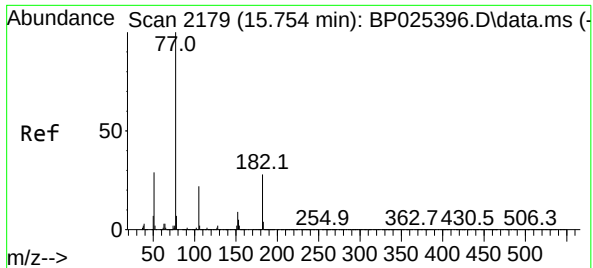


#62
4-Nitroaniline
Concen: 41.329 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.011 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



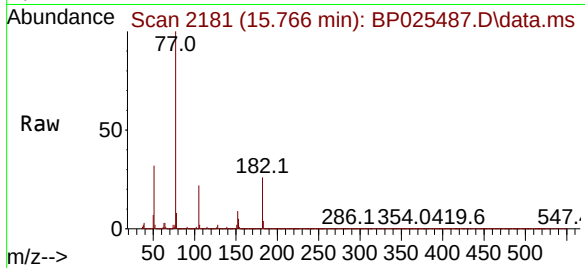
Tgt Ion:138 Resp: 331726
Ion Ratio Lower Upper
138 100
92 50.6 29.1 69.1
108 90.0 61.5 101.5





#63
Azobenzene
Concen: 43.196 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

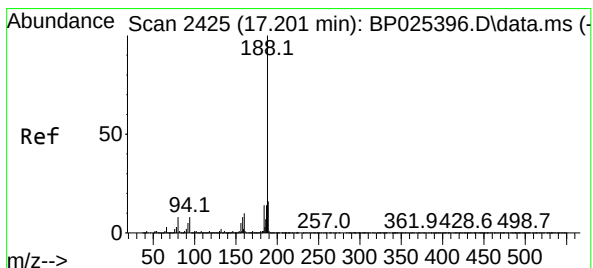
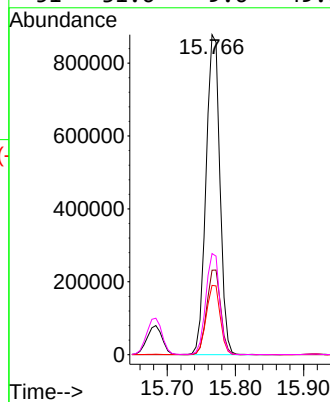
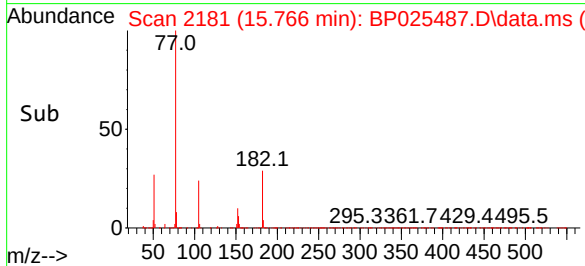
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 1240840
Ion Ratio Lower Upper
77 100
182 26.4 7.5 47.5
105 21.6 2.1 42.1
51 31.6 9.6 49.6

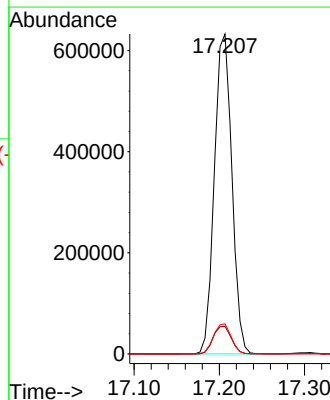
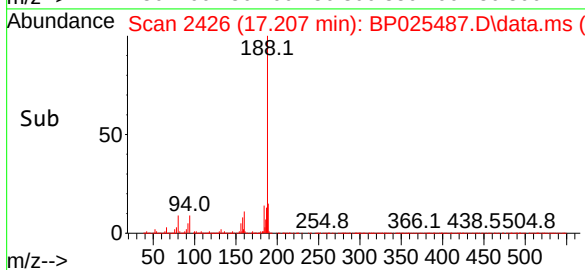
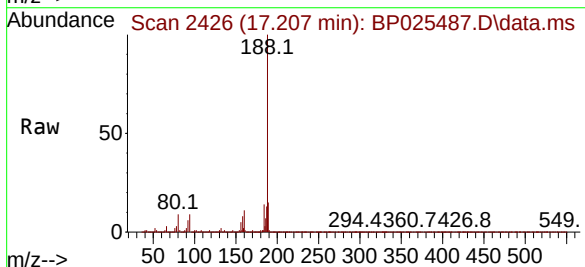
Manual Integrations
APPROVED

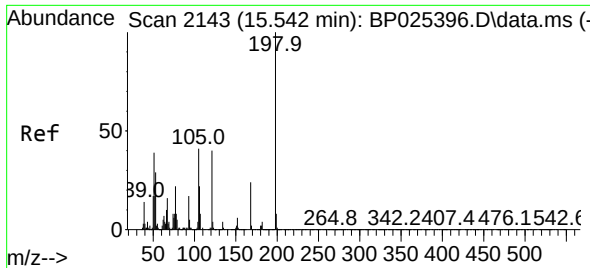
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

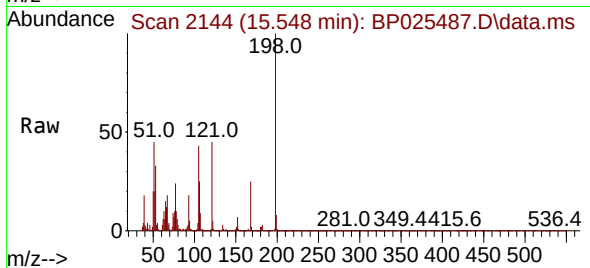
Tgt Ion:188 Resp: 905283
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.5 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 57.103 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

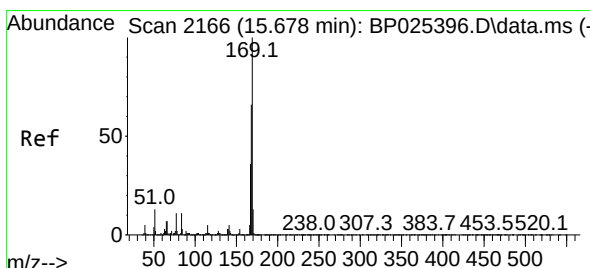
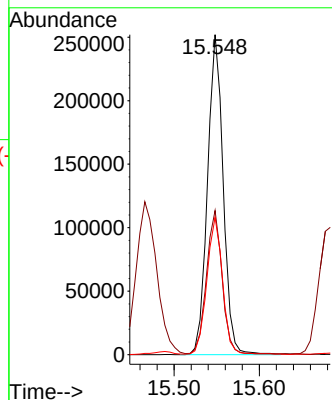
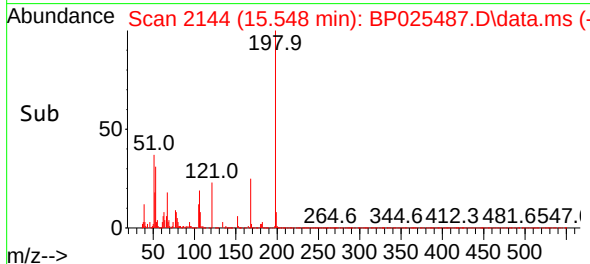
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:198 Resp: 322240
Ion Ratio Lower Upper
198 100
51 45.1 19.6 59.6
105 42.9 20.9 60.9

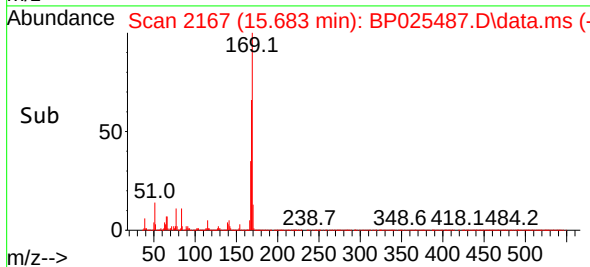
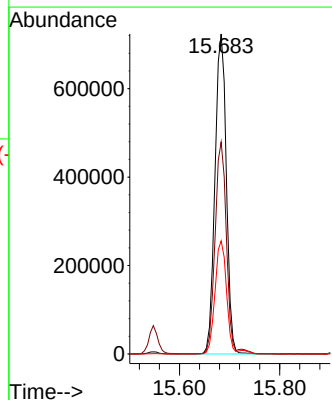
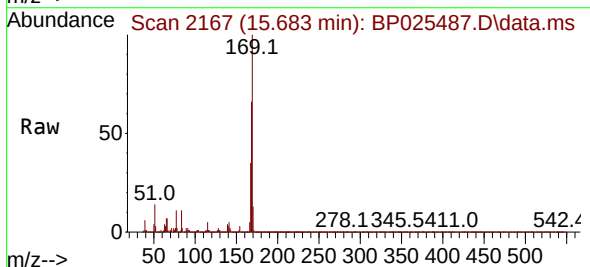
Manual Integrations
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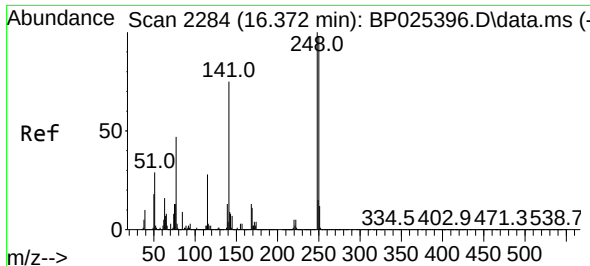
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#66
n-Nitrosodiphenylamine
Concen: 41.022 ng
RT: 15.683 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:169 Resp: 1132449
Ion Ratio Lower Upper
169 100
168 66.3 53.2 79.8
167 35.3 28.7 43.1





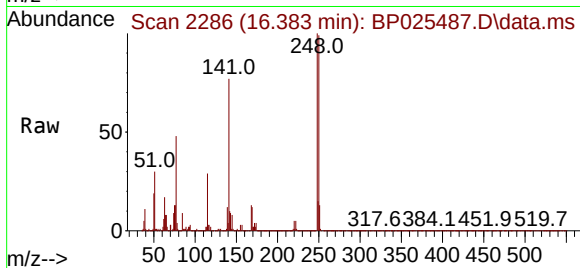
#67
4-Bromophenyl-phenylether
Concen: 40.448 ng
RT: 16.383 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

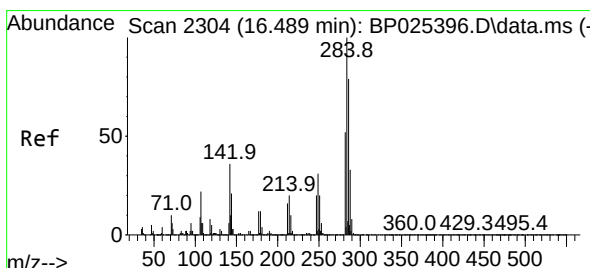
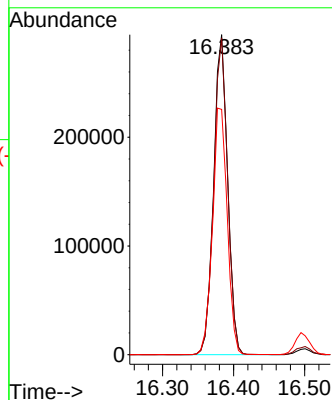
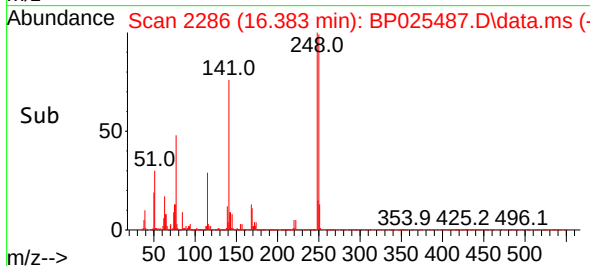
SSTDCCC040



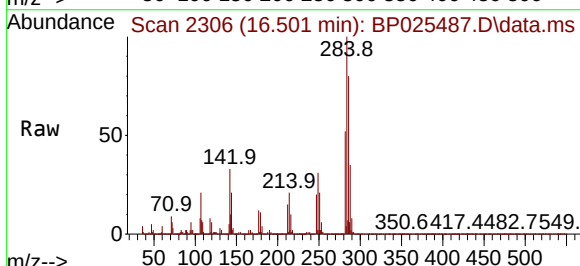
Tgt Ion:248 Resp: 402714
Ion Ratio Lower Upper
248 100
250 99.0 78.2 117.2
141 76.6 59.6 89.4

Manual Integrations
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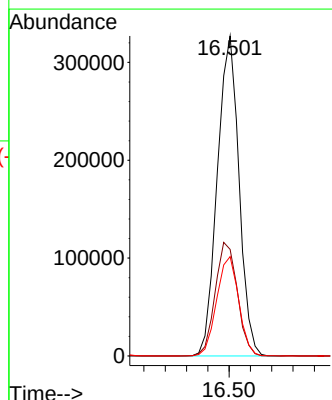
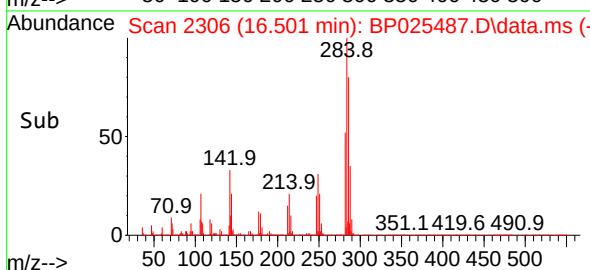
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

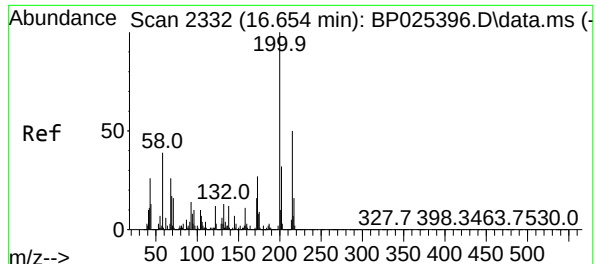


#68
Hexachlorobenzene
Concen: 39.997 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



Tgt Ion:284 Resp: 461625
Ion Ratio Lower Upper
284 100
142 33.3 29.1 43.7
249 31.1 25.0 37.4





#69

Atrazine

Concen: 40.669 ng

RT: 16.654 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 42045

Ion Ratio Lower Upper

200 100

173 26.7 6.7 46.7

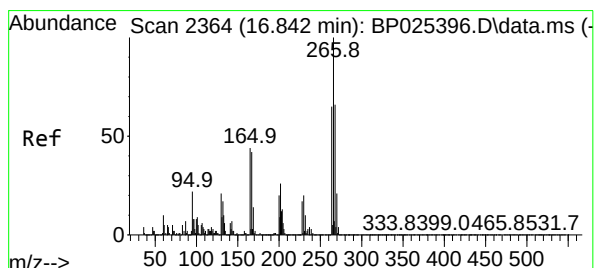
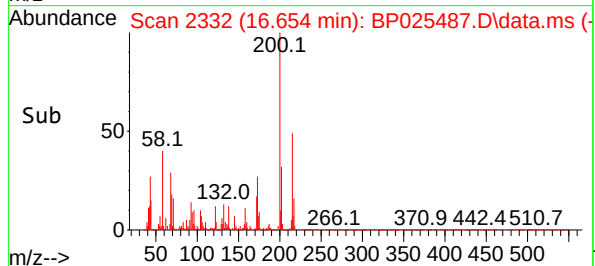
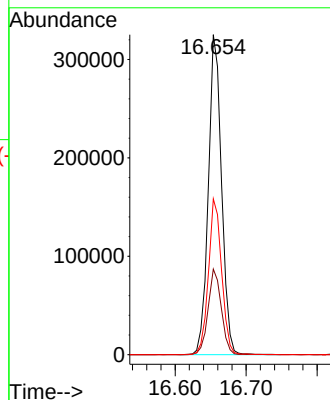
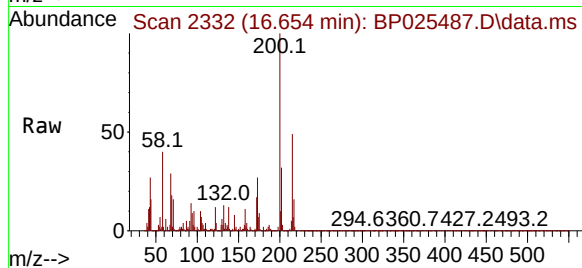
215 48.7 29.7 69.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#70

Pentachlorophenol

Concen: 42.259 ng

RT: 16.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

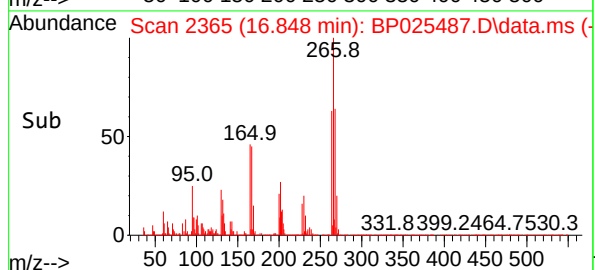
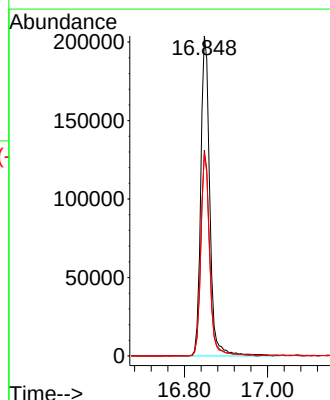
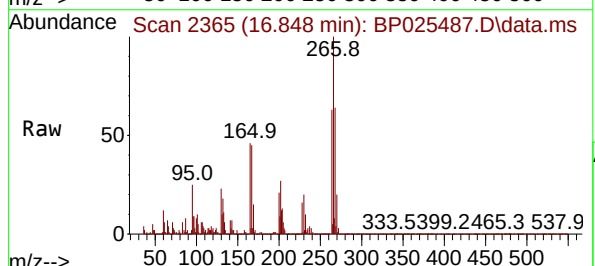
Tgt Ion:266 Resp: 307884

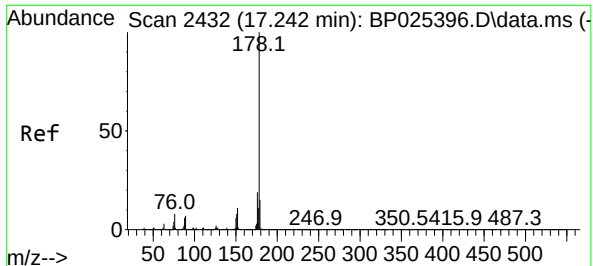
Ion Ratio Lower Upper

266 100

268 64.2 52.6 79.0

264 63.3 52.0 78.0





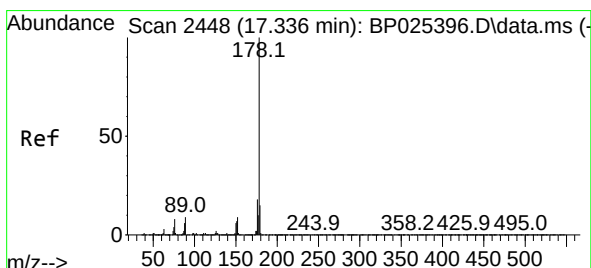
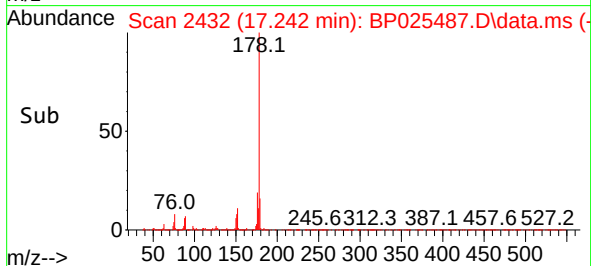
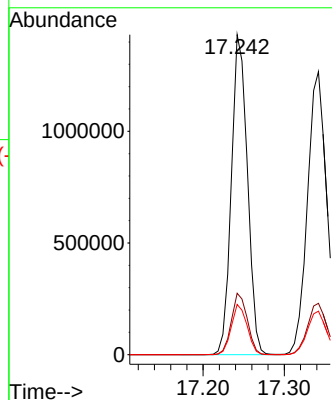
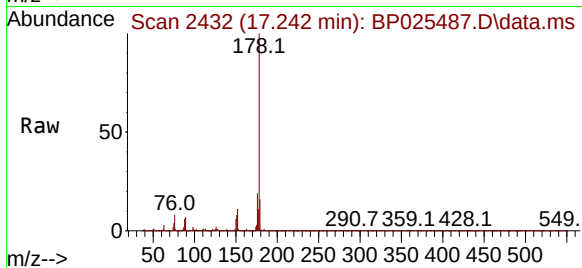
#71
Phenanthrene
Concen: 39.449 ng
RT: 17.242 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 196181
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.7 12.2 18.4

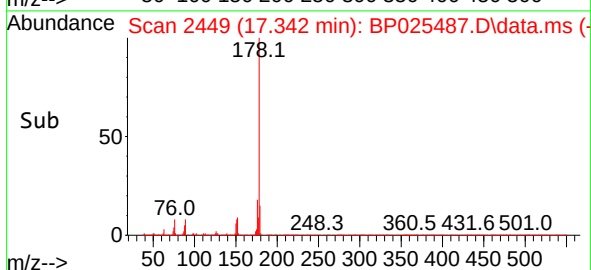
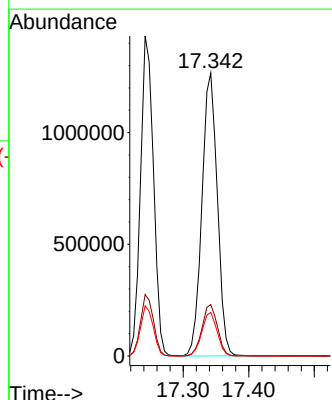
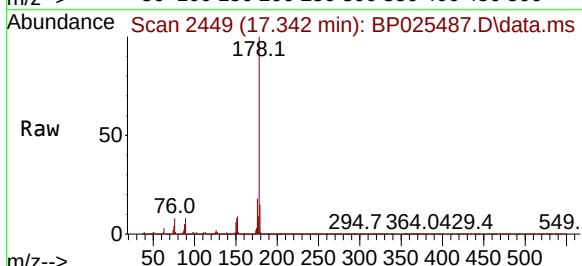
Manual Integrations
APPROVED

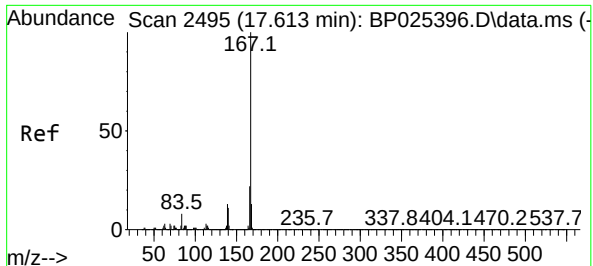
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#72
Anthracene
Concen: 40.780 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

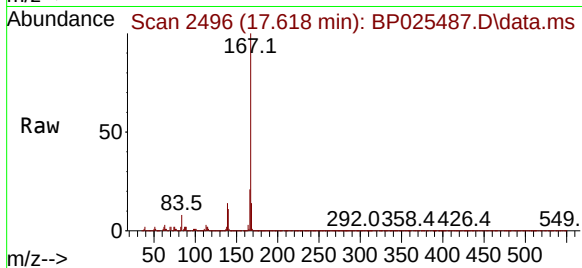
Tgt Ion:178 Resp: 2071008
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 15.4 12.2 18.2





#73
Carbazole
Concen: 39.801 ng
RT: 17.618 min Scan# 2496
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

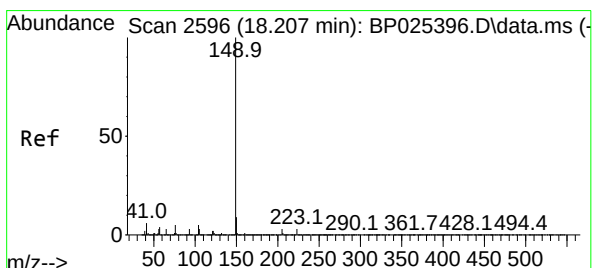
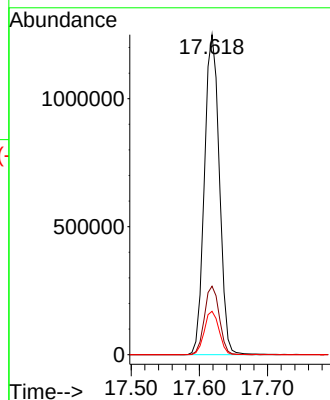
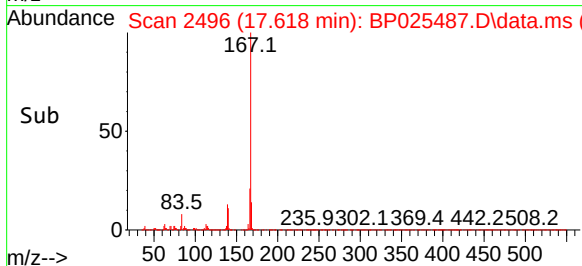
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:167 Resp: 1903889
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 13.6 10.6 16.0

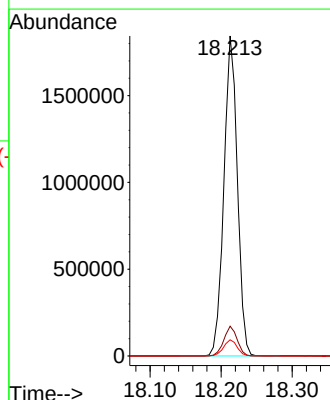
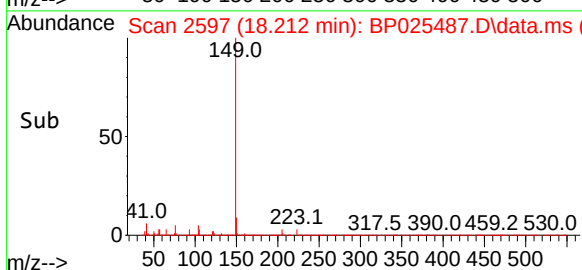
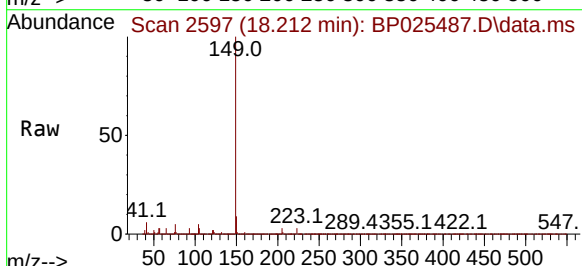
Manual Integrations
APPROVED

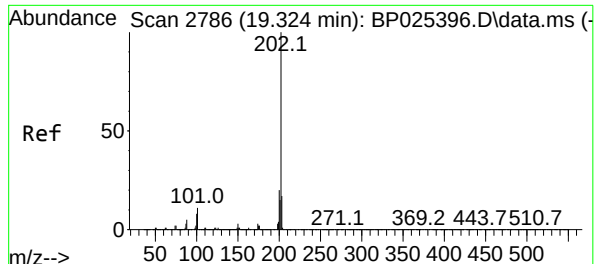
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#74
Di-n-butylphthalate
Concen: 41.022 ng
RT: 18.212 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

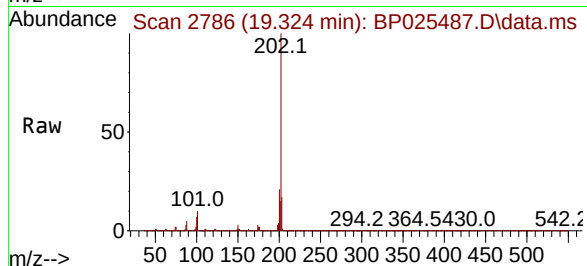
Tgt Ion:149 Resp: 2414257
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.0 4.2 6.2





#75
Fluoranthene
Concen: 39.147 ng
RT: 19.324 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

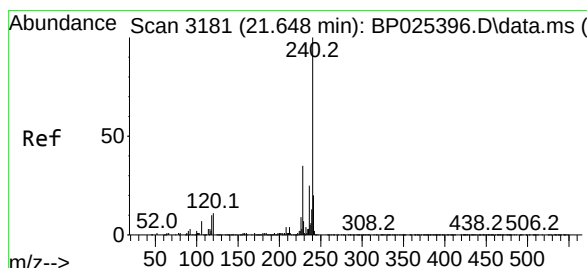
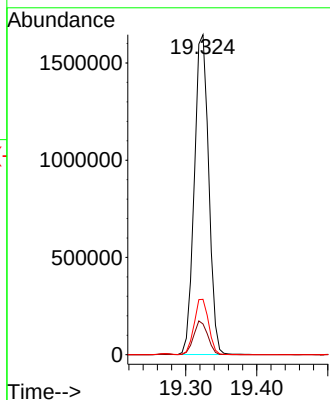
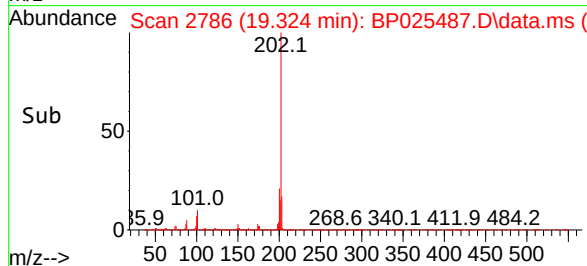
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:202 Resp: 232216
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.1
203 17.3 0.0 37.3

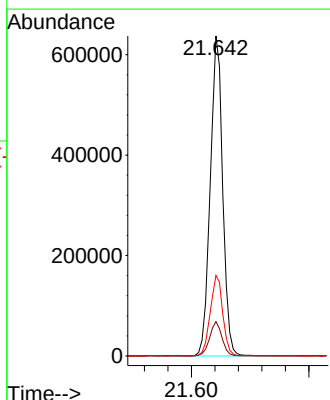
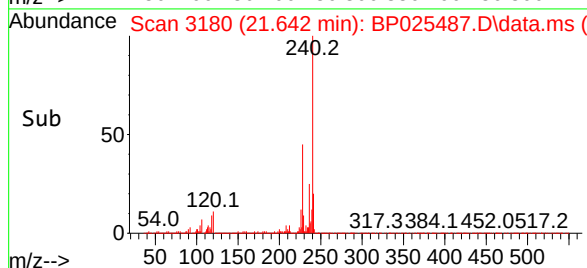
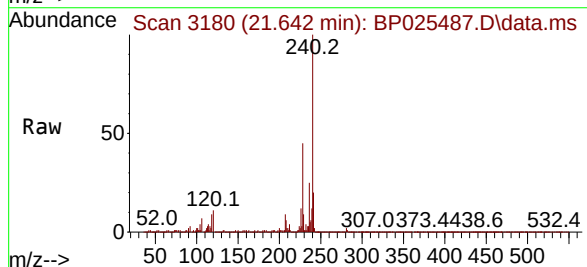
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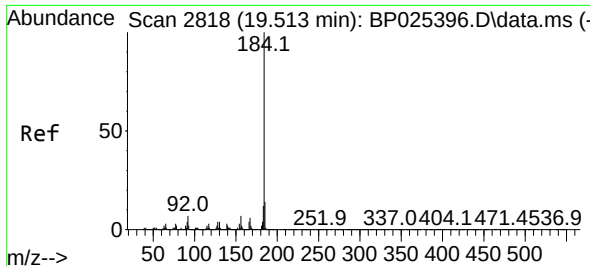
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

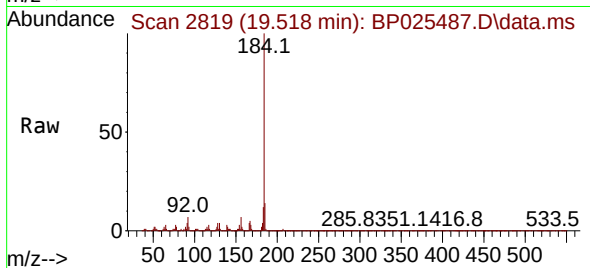
Tgt Ion:240 Resp: 932001
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.1 19.8 29.8





#77
Benzidine
Concen: 38.735 ng
RT: 19.518 min Scan# 2818
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

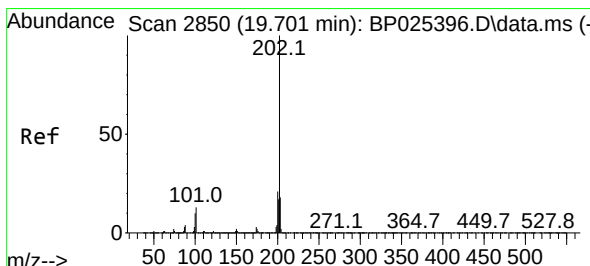
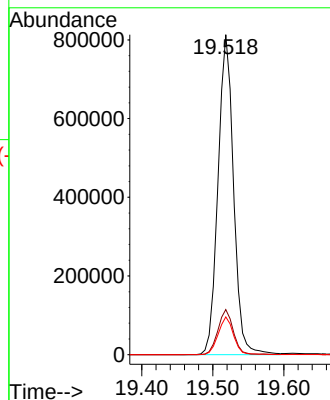
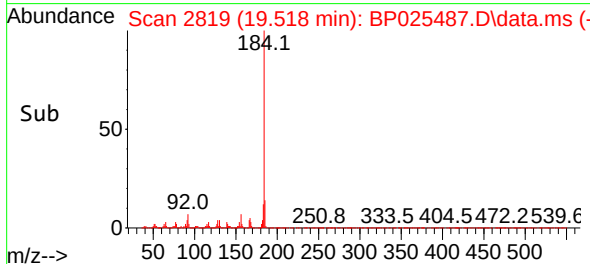
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 123206
Ion Ratio Lower Upper
184 100
185 14.1 11.5 17.3
183 11.8 9.4 14.2

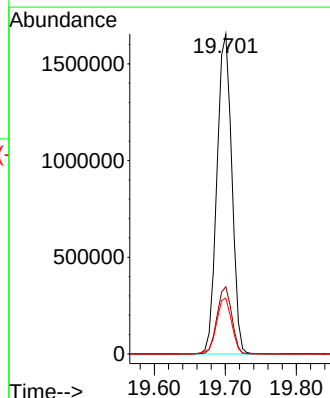
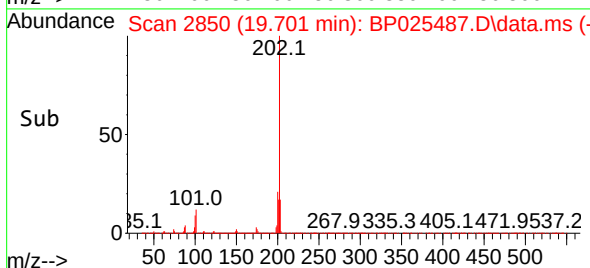
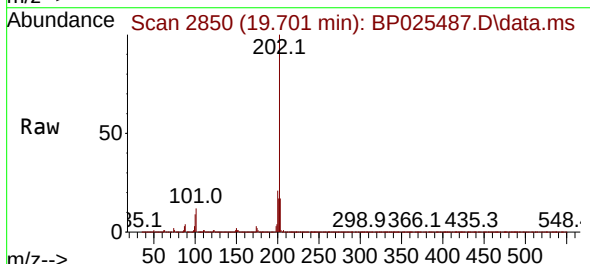
Manual Integrations
APPROVED

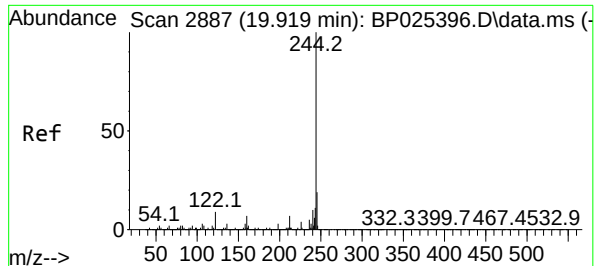
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#78
Pyrene
Concen: 39.527 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:202 Resp: 2394461
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 77.640 ng

RT: 19.930 min Scan# 2889

Delta R.T. 0.012 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 395507

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

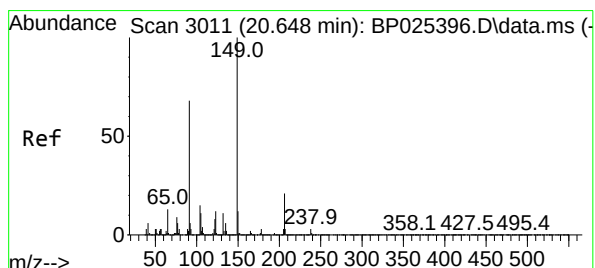
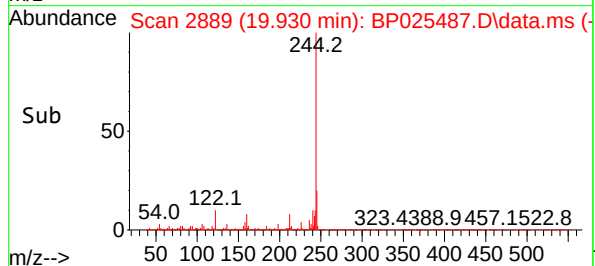
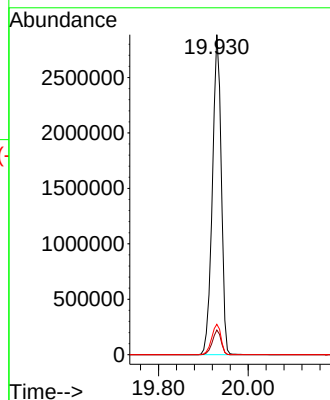
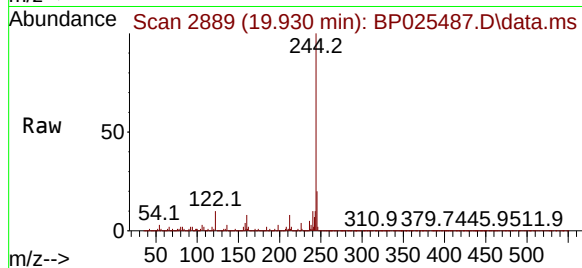
122 9.5 7.4 11.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#80

Butylbenzylphthalate

Concen: 41.070 ng

RT: 20.654 min Scan# 3012

Delta R.T. 0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

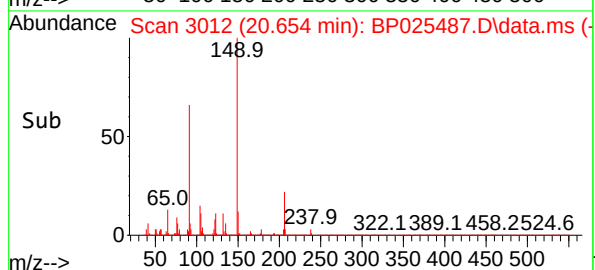
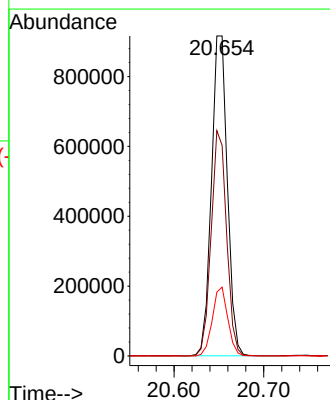
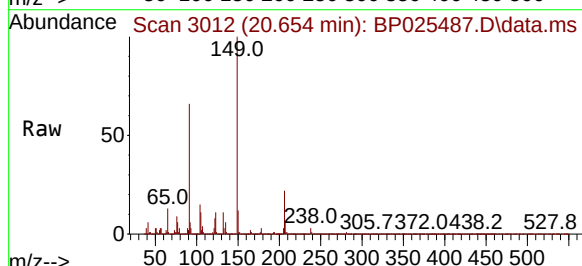
Tgt Ion:149 Resp: 1127547

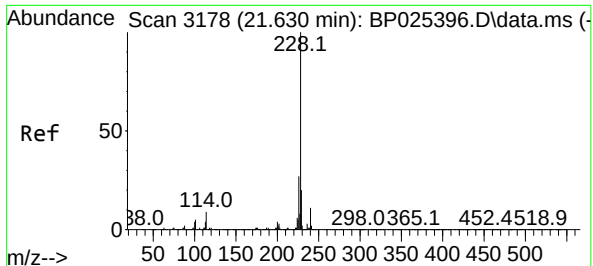
Ion Ratio Lower Upper

149 100

91 65.8 54.2 81.2

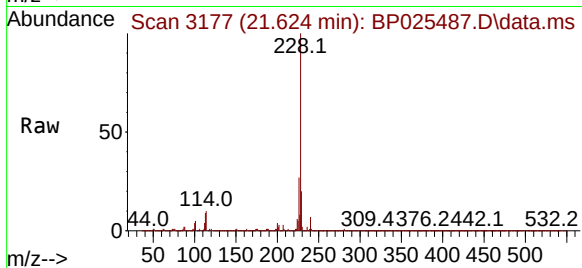
206 21.5 16.6 24.8





#81
Benzo(a)anthracene
Concen: 39.477 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

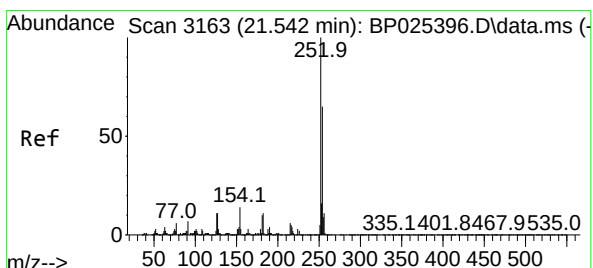
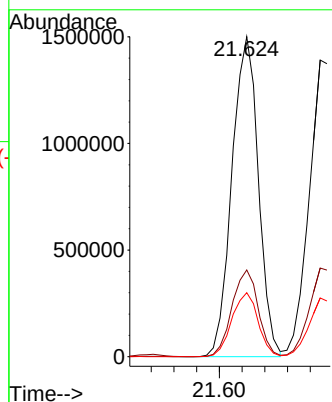
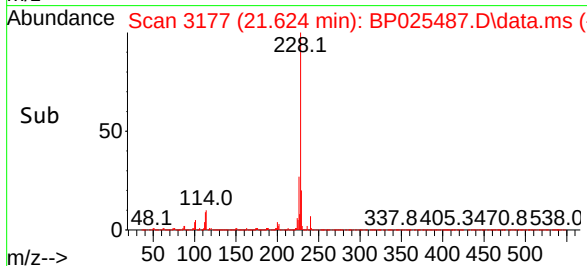
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



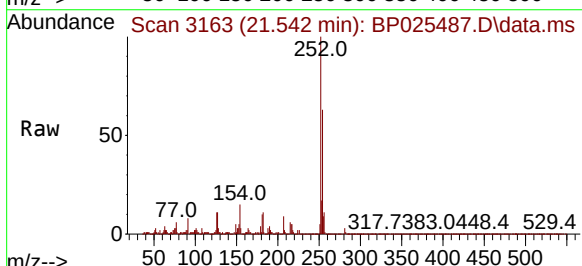
Tgt Ion: 228 Resp: 242650
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 20.0 15.6 23.4

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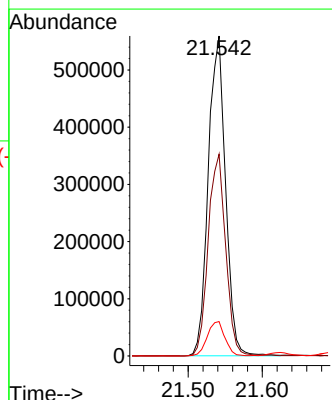
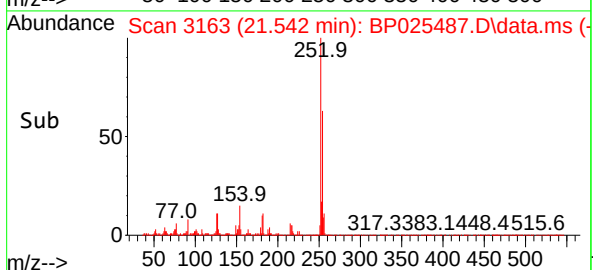
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

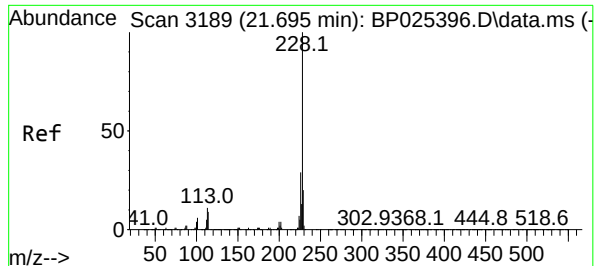


#82
3,3'-Dichlorobenzidine
Concen: 39.005 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46



Tgt Ion: 252 Resp: 903654
Ion Ratio Lower Upper
252 100
254 63.1 51.8 77.6
126 10.7 9.1 13.7





#83

Chrysene

Concen: 39.855 ng

RT: 21.689 min Scan# 3189

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 229414

Ion Ratio Lower Upper

228 100

226 29.9 23.2 34.8

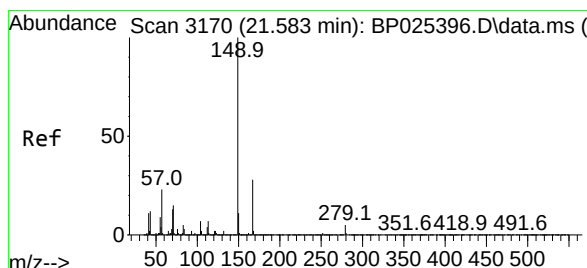
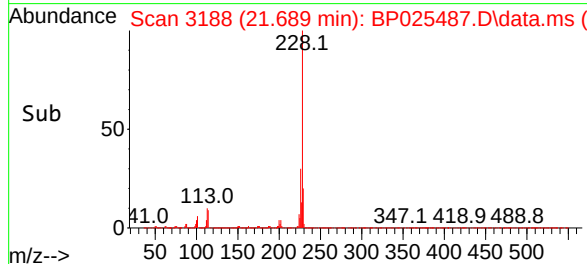
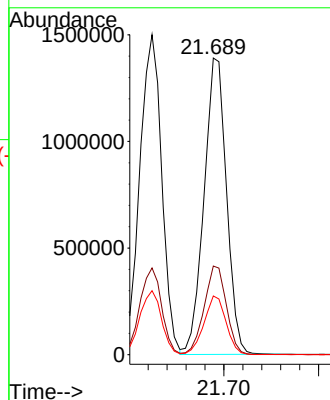
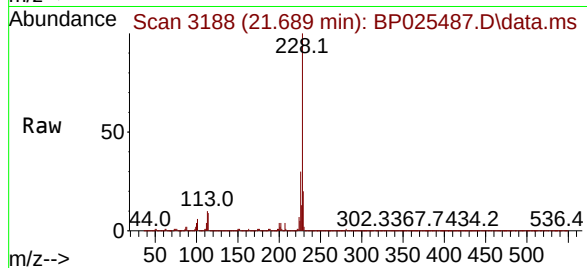
229 19.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.071 ng

RT: 21.571 min Scan# 3168

Delta R.T. -0.012 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

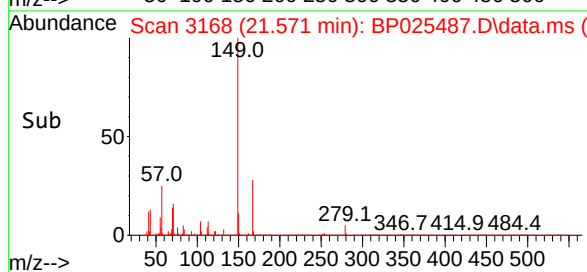
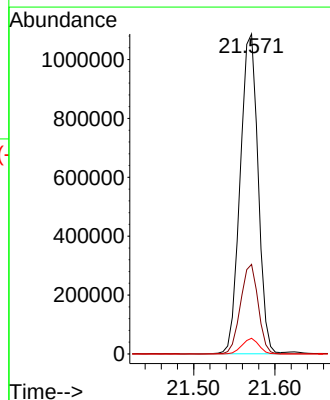
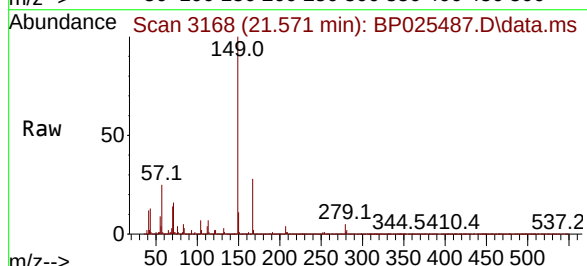
Tgt Ion:149 Resp: 1659835

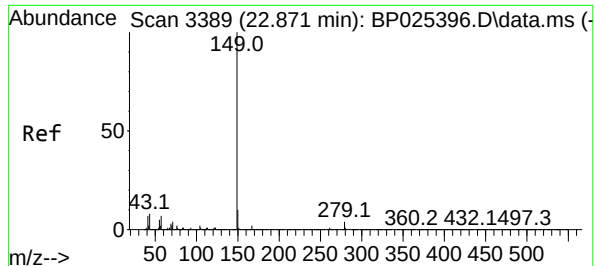
Ion Ratio Lower Upper

149 100

167 28.0 22.1 33.1

279 4.9 3.8 5.6





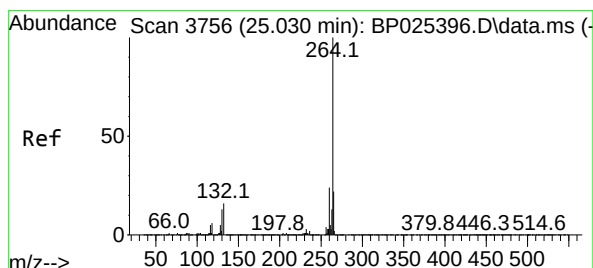
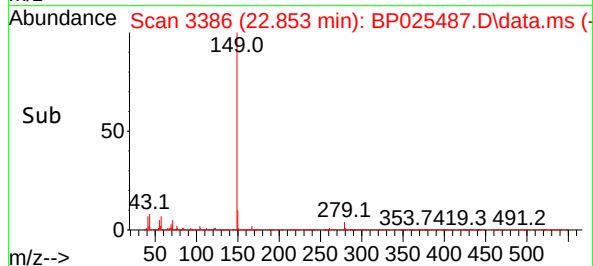
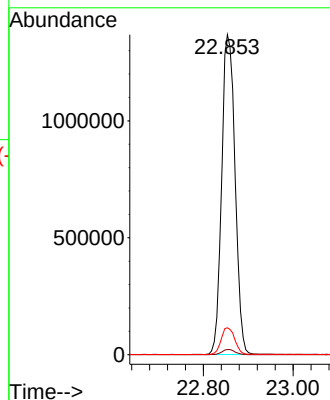
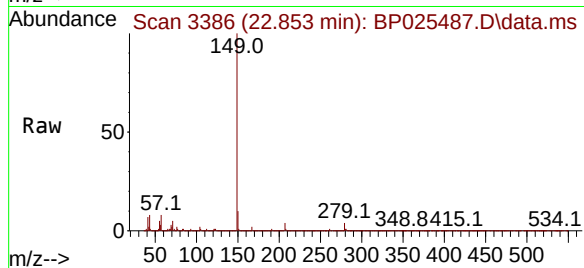
#85
Di-n-octyl phthalate
Concen: 40.906 ng
RT: 22.853 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 284353
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.5 6.3 9.5

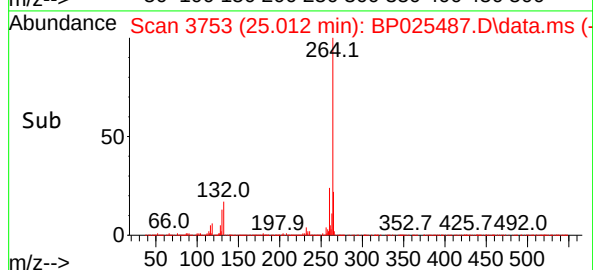
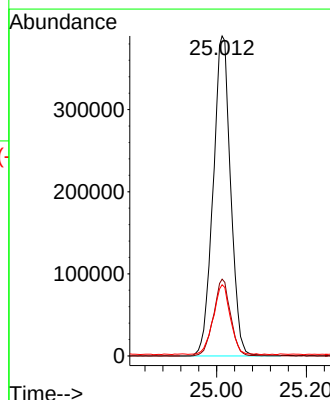
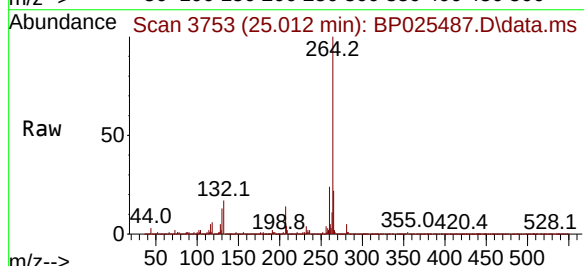
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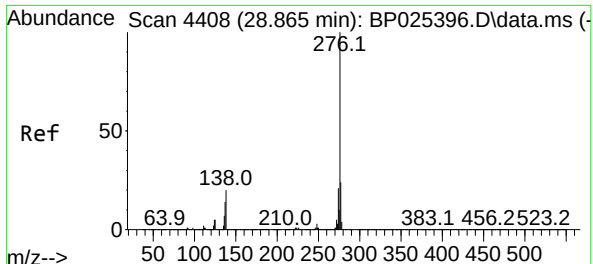
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

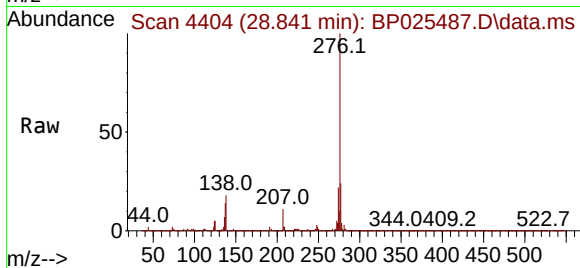
Tgt Ion:264 Resp: 1054169
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 22.2 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.095 ng m
RT: 28.841 min Scan# 4408
Delta R.T. -0.024 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

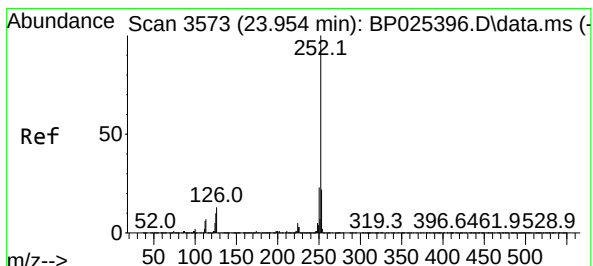
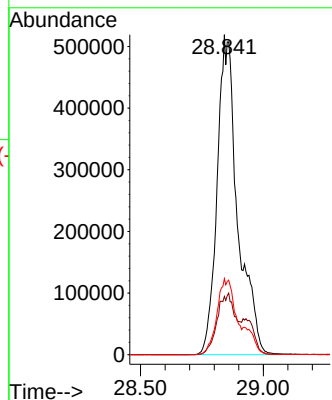
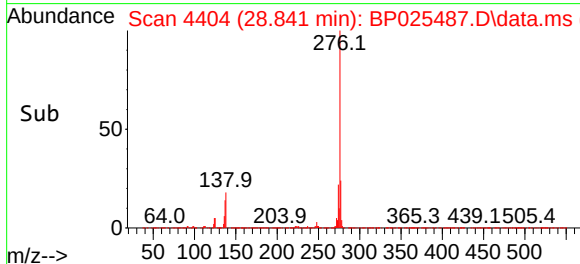
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion: 276 Resp: 3022360
Ion Ratio Lower Upper
276 100
138 17.1 12.9 19.3
277 10.8 17.0 25.6

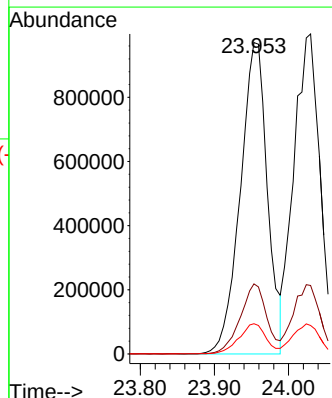
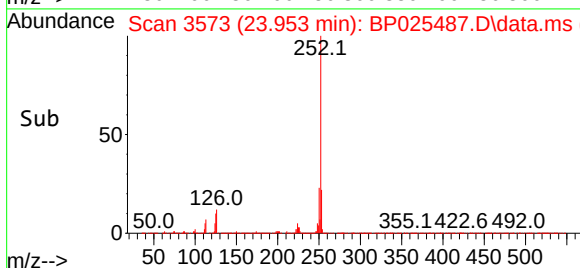
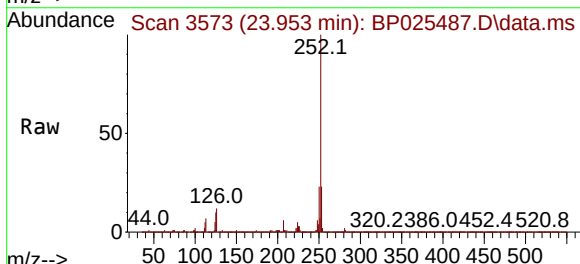
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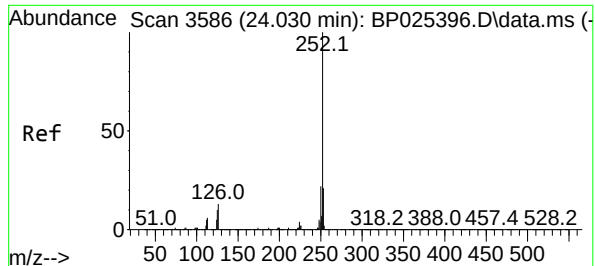
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#88
Benzo(b)fluoranthene
Concen: 39.761 ng
RT: 23.953 min Scan# 3573
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 252 Resp: 2471608
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 9.7 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 39.407 ng

RT: 24.030 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 245123

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

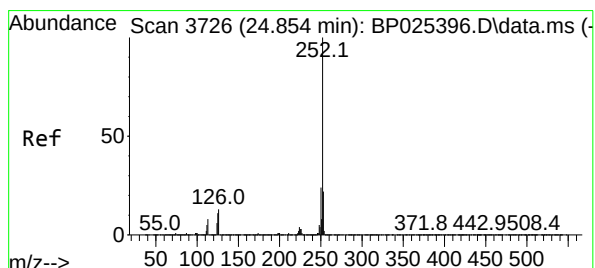
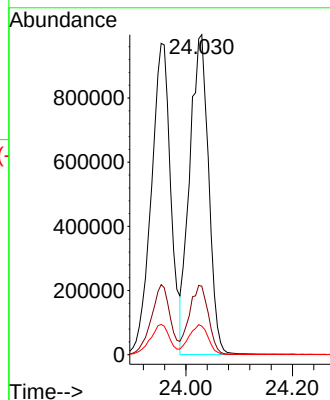
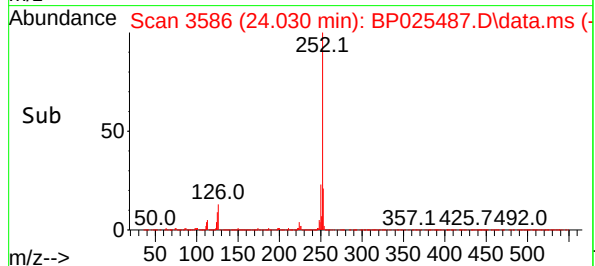
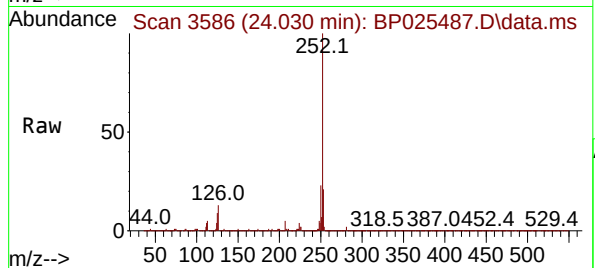
125 8.9 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#90

Benzo(a)pyrene

Concen: 39.773 ng

RT: 24.865 min Scan# 3728

Delta R.T. 0.012 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

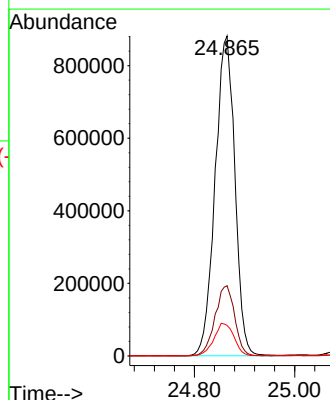
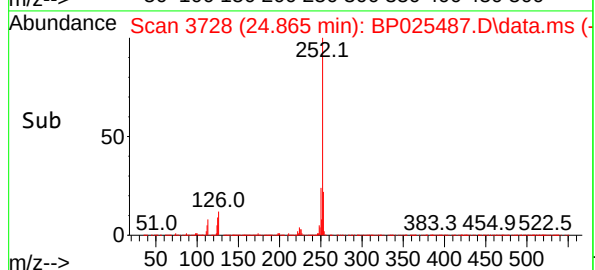
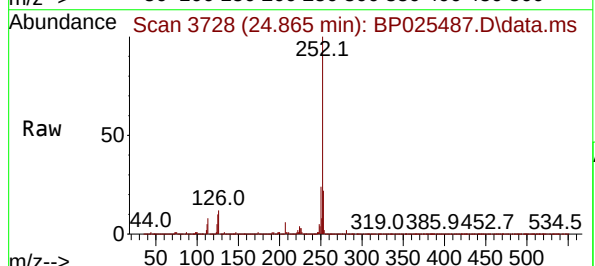
Tgt Ion:252 Resp: 2406620

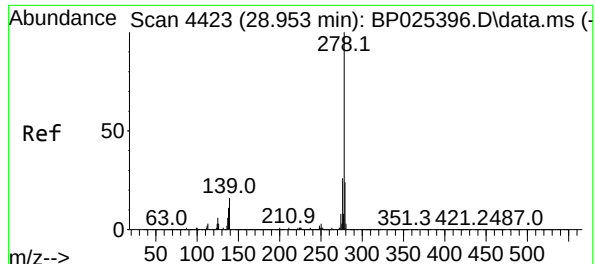
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

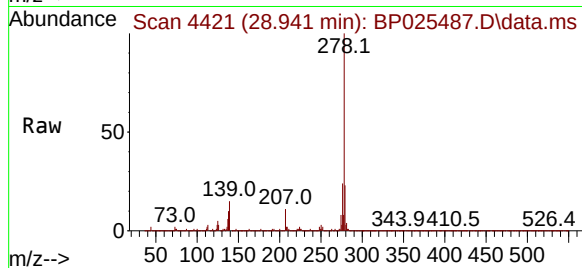
125 9.5 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 39.366 ng
RT: 28.941 min Scan# 4423
Delta R.T. -0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

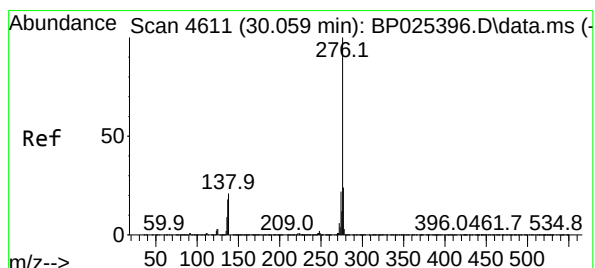
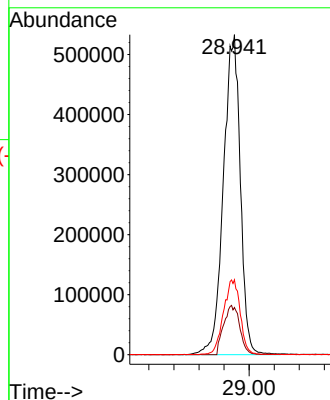
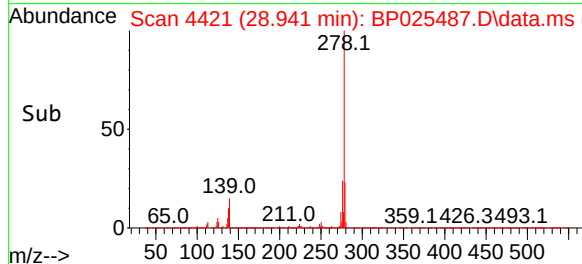
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion: 278 Resp: 2487038
Ion Ratio Lower Upper
278 100
139 14.8 13.0 19.4
279 23.4 19.4 29.2

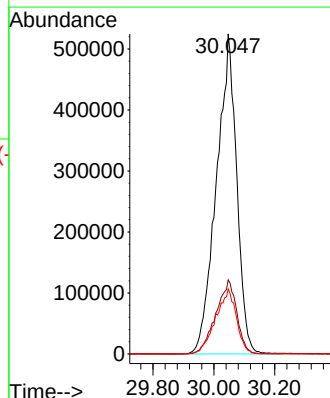
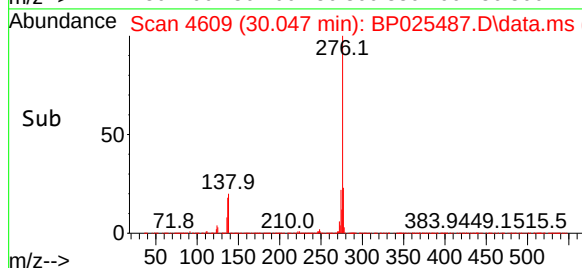
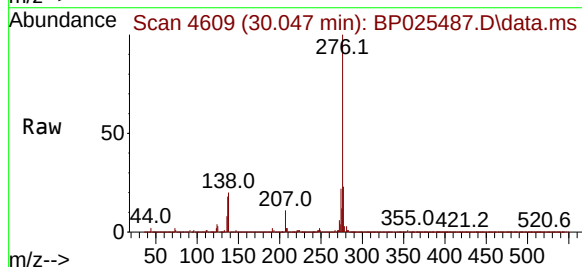
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#92
Benzo(g,h,i)perylene
Concen: 39.026 ng
RT: 30.047 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 276 Resp: 2423566
Ion Ratio Lower Upper
276 100
277 23.2 19.4 29.0
138 20.3 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2	1,4-Dioxane	0.472	0.461	2.3	105	0.00
3	Pyridine	1.291	1.256	2.7	104	0.00
4	n-Nitrosodimethylamine	0.532	0.578	-8.6	114	0.00
5 S	2-Fluorophenol	1.204	1.204	0.0	105	0.00
6	Aniline	2.080	2.116	-1.7	106	0.00
7 S	Phenol-d6	1.544	1.570	-1.7	105	0.00
8	2-Chlorophenol	1.359	1.389	-2.2	107	0.00
9	Benzaldehyde	1.082	0.876	19.0	65	0.00
10 C	Phenol	1.620	1.661	-2.5	106	0.00
11	bis(2-Chloroethyl)ether	1.263	1.268	-0.4	105	0.00
12	1,3-Dichlorobenzene	1.499	1.501	-0.1	105	0.00
13 C	1,4-Dichlorobenzene	1.532	1.525	0.5	105	0.00
14	1,2-Dichlorobenzene	1.483	1.477	0.4	104	0.00
15	Benzyl Alcohol	1.227	1.247	-1.6	105	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.784	-5.4	111	0.00
17	2-Methylphenol	1.125	1.152	-2.4	105	0.00
18	Hexachloroethane	0.563	0.566	-0.5	105	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	1.046	-2.2	106	0.00
20	3+4-Methylphenols	1.560	1.571	-0.7	104	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22	Acetophenone	0.502	0.503	-0.2	106	0.00
23 S	Nitrobenzene-d5	0.395	0.401	-1.5	107	0.00
24	Nitrobenzene	0.353	0.362	-2.5	107	0.00
25	Isophorone	0.700	0.705	-0.7	107	0.00
26 C	2-Nitrophenol	0.181	0.185	-2.2	105	0.00
27	2,4-Dimethylphenol	0.312	0.315	-1.0	105	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.427	-0.9	107	0.00
29 C	2,4-Dichlorophenol	0.310	0.313	-1.0	105	0.00
30	1,2,4-Trichlorobenzene	0.340	0.331	2.6	104	0.00
31	Naphthalene	1.040	1.035	0.5	106	0.00
32	Benzoic acid	0.230	0.300	-30.4#	135	0.02
33	4-Chloroaniline	0.459	0.467	-1.7	106	0.00
34 C	Hexachlorobutadiene	0.211	0.207	1.9	103	0.00
35	Caprolactam	0.114	0.117	-2.6	109	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.367	-3.4	108	0.00
37	2-Methylnaphthalene	0.676	0.673	0.4	106	0.00
38	1-Methylnaphthalene	0.719	0.710	1.3	106	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.572	1.0	104	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.402	-15.2	118	0.00
42 S	2,4,6-Tribromophenol	0.269	0.278	-3.3	108	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.400	-2.6	107	0.00
44	2,4,5-Trichlorophenol	0.427	0.443	-3.7	107	0.00
45 S	2-Fluorobiphenyl	1.463	1.408	3.8	103	0.00
46	1,1'-Biphenyl	1.453	1.462	-0.6	106	0.00
47	2-Chloronaphthalene	1.131	1.130	0.1	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025487.D
 Acq On : 19 Aug 2025 23:46
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.359	-9.1	111	0.00
49	Acenaphthylene	1.871	1.889	-1.0	107	0.00
50	Dimethylphthalate	1.465	1.503	-2.6	110	0.00
51	2,6-Dinitrotoluene	0.309	0.327	-5.8	108	0.00
52 C	Acenaphthene	1.098	1.071	2.5	105	0.00
53	3-Nitroaniline	0.347	0.367	-5.8	110	0.00
54 P	2,4-Dinitrophenol	0.165	0.332	-101.2#	207#	0.00
55	Dibenzofuran	1.736	1.710	1.5	104	0.00
56 P	4-Nitrophenol	0.285	0.301	-5.6	110	0.01
57	2,4-Dinitrotoluene	0.440	0.475	-8.0	111	0.00
58	Fluorene	1.370	1.332	2.8	104	0.01
59	2,3,4,6-Tetrachlorophenol	0.377	0.388	-2.9	108	0.00
60	Diethylphthalate	1.488	1.537	-3.3	110	0.00
61	4-Chlorophenyl-phenylether	0.681	0.664	2.5	104	0.00
62	4-Nitroaniline	0.356	0.368	-3.4	107	0.01
63	Azobenzene	1.274	1.376	-8.0	114	0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.178	-42.4#	148	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.625	-2.5	108	0.00
67	4-Bromophenyl-phenylether	0.220	0.222	-0.9	107	0.01
68	Hexachlorobenzene	0.255	0.255	0.0	108	0.01
69	Atrazine	0.228	0.232	-1.8	109	0.00
70 C	Pentachlorophenol	0.161	0.170	-5.6	111	0.00
71	Phenanthrene	1.099	1.084	1.4	107	0.00
72	Anthracene	1.122	1.144	-2.0	109	0.00
73	Carbazole	1.057	1.052	0.5	107	0.00
74	Di-n-butylphthalate	1.300	1.333	-2.5	110	0.00
75 C	Fluoranthene	1.311	1.283	2.1	107	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	104	0.00
77	Benzidine	0.683	0.661	3.2	71	0.00
78	Pyrene	1.300	1.285	1.2	105	0.00
79 S	Terphenyl-d14	1.093	1.061	2.9	105	0.01
80	Butylbenzylphthalate	0.589	0.605	-2.7	108	0.00
81	Benzo(a)anthracene	1.319	1.302	1.3	106	0.00
82	3,3'-Dichlorobenzidine	0.497	0.485	2.4	103	0.00
83	Chrysene	1.235	1.231	0.3	108	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.890	-2.7	111	-0.01
85 c	Di-n-octyl phthalate	1.492	1.525	-2.2	109	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	103	-0.02
87	Indeno(1,2,3-cd)pyrene	1.467	1.434	2.2	105	-0.02
88	Benzo(b)fluoranthene	1.179	1.172	0.6	107	0.00
89	Benzo(k)fluoranthene	1.180	1.163	1.4	106	0.00
90 C	Benzo(a)pyrene	1.148	1.141	0.6	106	0.01
91	Dibenzo(a,h)anthracene	1.199	1.180	1.6	105	-0.01
92	Benzo(g,h,i)perylene	1.178	1.150	2.4	104	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2	1,4-Dioxane	40.000	39.105	2.2	105	0.00
3	Pyridine	40.000	38.896	2.8	104	0.00
4	n-Nitrosodimethylamine	40.000	43.424	-8.6	114	0.00
5 S	2-Fluorophenol	80.000	79.946	0.1	105	0.00
6	Aniline	40.000	40.682	-1.7	106	0.00
7 S	Phenol-d6	80.000	81.335	-1.7	105	0.00
8	2-Chlorophenol	40.000	40.892	-2.2	107	0.00
9	Benzaldehyde	40.000	32.395	19.0	65	0.00
10 C	Phenol	40.000	41.003	-2.5	106	0.00
11	bis(2-Chloroethyl)ether	40.000	40.176	-0.4	105	0.00
12	1,3-Dichlorobenzene	40.000	40.056	-0.1	105	0.00
13 C	1,4-Dichlorobenzene	40.000	39.818	0.5	105	0.00
14	1,2-Dichlorobenzene	40.000	39.843	0.4	104	0.00
15	Benzyl Alcohol	40.000	40.657	-1.6	105	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	42.192	-5.5	111	0.00
17	2-Methylphenol	40.000	40.950	-2.4	105	0.00
18	Hexachloroethane	40.000	40.200	-0.5	105	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.903	-2.3	106	0.00
20	3+4-Methylphenols	40.000	40.292	-0.7	104	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22	Acetophenone	40.000	40.149	-0.4	106	0.00
23 S	Nitrobenzene-d5	80.000	81.140	-1.4	107	0.00
24	Nitrobenzene	40.000	40.951	-2.4	107	0.00
25	Isophorone	40.000	40.304	-0.8	107	0.00
26 C	2-Nitrophenol	40.000	40.785	-2.0	105	0.00
27	2,4-Dimethylphenol	40.000	40.448	-1.1	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.338	-0.8	107	0.00
29 C	2,4-Dichlorophenol	40.000	40.398	-1.0	105	0.00
30	1,2,4-Trichlorobenzene	40.000	38.983	2.5	104	0.00
31	Naphthalene	40.000	39.844	0.4	106	0.00
32	Benzoic acid	40.000	52.196	-30.5#	135	0.02
33	4-Chloroaniline	40.000	40.661	-1.7	106	0.00
34 C	Hexachlorobutadiene	40.000	39.100	2.2	103	0.00
35	Caprolactam	40.000	41.192	-3.0	109	0.00
36 C	4-Chloro-3-methylphenol	40.000	41.295	-3.2	108	0.00
37	2-Methylnaphthalene	40.000	39.806	0.5	106	0.00
38	1-Methylnaphthalene	40.000	39.466	1.3	106	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.618	1.0	104	0.00
41 P	Hexachlorocyclopentadiene	40.000	46.040	-15.1	118	0.00
42 S	2,4,6-Tribromophenol	80.000	82.710	-3.4	108	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.986	-2.5	107	0.00
44	2,4,5-Trichlorophenol	40.000	41.492	-3.7	107	0.00
45 S	2-Fluorobiphenyl	80.000	76.967	3.8	103	0.00
46	1,1'-Biphenyl	40.000	40.264	-0.7	106	0.00
47	2-Chloronaphthalene	40.000	39.989	0.0	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	43.643	-9.1	111	0.00
49	Acenaphthylene	40.000	40.393	-1.0	107	0.00
50	Dimethylphthalate	40.000	41.055	-2.6	110	0.00
51	2,6-Dinitrotoluene	40.000	42.345	-5.9	108	0.00
52 C	Acenaphthene	40.000	39.004	2.5	105	0.00
53	3-Nitroaniline	40.000	42.258	-5.6	110	0.00
54 P	2,4-Dinitrophenol	40.000	80.460	-101.1#	207	0.00
55	Dibenzofuran	40.000	39.380	1.5	104	0.00
56 P	4-Nitrophenol	40.000	42.159	-5.4	110	0.01
57	2,4-Dinitrotoluene	40.000	43.171	-7.9	111	0.00
58	Fluorene	40.000	38.896	2.8	104	0.01
59	2,3,4,6-Tetrachlorophenol	40.000	41.154	-2.9	108	0.00
60	Diethylphthalate	40.000	41.316	-3.3	110	0.00
61	4-Chlorophenyl-phenylether	40.000	38.989	2.5	104	0.00
62	4-Nitroaniline	40.000	41.329	-3.3	107	0.01
63	Azobenzene	40.000	43.196	-8.0	114	0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65	4,6-Dinitro-2-methylphenol	40.000	57.103	-42.8#	148	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.022	-2.6	108	0.00
67	4-Bromophenyl-phenylether	40.000	40.448	-1.1	107	0.01
68	Hexachlorobenzene	40.000	39.997	0.0	108	0.01
69	Atrazine	40.000	40.669	-1.7	109	0.00
70 C	Pentachlorophenol	40.000	42.259	-5.6	111	0.00
71	Phenanthrene	40.000	39.449	1.4	107	0.00
72	Anthracene	40.000	40.780	-2.0	109	0.00
73	Carbazole	40.000	39.801	0.5	107	0.00
74	Di-n-butylphthalate	40.000	41.022	-2.6	110	0.00
75 C	Fluoranthene	40.000	39.147	2.1	107	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	104	0.00
77	Benzydine	40.000	38.735	3.2	71	0.00
78	Pyrene	40.000	39.527	1.2	105	0.00
79 S	Terphenyl-d14	80.000	77.640	2.9	105	0.01
80	Butylbenzylphthalate	40.000	41.070	-2.7	108	0.00
81	Benzo(a)anthracene	40.000	39.477	1.3	106	0.00
82	3,3'-Dichlorobenzidine	40.000	39.005	2.5	103	0.00
83	Chrysene	40.000	39.855	0.4	108	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.071	-2.7	111	-0.01
85 c	Di-n-octyl phthalate	40.000	40.906	-2.3	109	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	103	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	39.095	2.3	105	-0.02
88	Benzo(b)fluoranthene	40.000	39.761	0.6	107	0.00
89	Benzo(k)fluoranthene	40.000	39.407	1.5	106	0.00
90 C	Benzo(a)pyrene	40.000	39.773	0.6	106	0.01
91	Dibenzo(a,h)anthracene	40.000	39.366	1.6	105	-0.01
92	Benzo(g,h,i)perylene	40.000	39.026	2.4	104	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
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Operator : CG/JU
Sample : SSTDCCC040
Misc :
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Instrument :
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Quant Time: Aug 20 02:26:31 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_P Calibration Date/Time: 08/20/2025 10:41
 Lab File ID: BP025502.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.219		1.2	50.0
Benzaldehyde	1.082	0.644		-40.5	50.0
Phenol-d6	1.544	1.572		1.8	50.0
Phenol	1.620	1.653		2.0	50.0
bis(2-Chloroethyl)ether	1.263	1.267		0.3	50.0
2-Chlorophenol	1.359	1.359		0.0	50.0
2-Methylphenol	1.125	1.140		1.3	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.764		4.3	50.0
Acetophenone	0.502	0.501		-0.2	50.0
3+4-Methylphenols	1.560	1.551		-0.6	50.0
n-Nitroso-di-n-propylamine	1.023	1.028	0.050	0.5	50.0
Nitrobenzene-d5	0.395	0.403		2.0	50.0
Hexachloroethane	0.563	0.577		2.5	50.0
Nitrobenzene	0.353	0.356		0.9	50.0
Isophorone	0.700	0.700		0.0	50.0
2-Nitrophenol	0.181	0.180		-0.6	50.0
2,4-Dimethylphenol	0.312	0.312		0.0	50.0
bis(2-Chloroethoxy)methane	0.423	0.417		-1.4	50.0
2,4-Dichlorophenol	0.310	0.314		1.3	50.0
Naphthalene	1.040	1.013		-2.6	50.0
4-Chloroaniline	0.459	0.455		-0.9	50.0
Hexachlorobutadiene	0.211	0.211		0.0	50.0
Caprolactam	0.114	0.110		-3.5	50.0
4-Chloro-3-methylphenol	0.355	0.357		0.6	50.0
2-Methylnaphthalene	0.676	0.655		-3.1	50.0
Hexachlorocyclopentadiene	0.349	0.364	0.050	4.3	50.0
2,4,6-Trichlorophenol	0.390	0.399		2.3	50.0
2-Fluorobiphenyl	1.463	1.455		-0.5	50.0
2,4,5-Trichlorophenol	0.427	0.438		2.6	50.0
1,1-Biphenyl	1.453	1.441		-0.8	50.0
2-Chloronaphthalene	1.131	1.125		-0.5	50.0
2-Nitroaniline	0.329	0.352		7.0	50.0
Dimethylphthalate	1.465	1.455		-0.7	50.0
Acenaphthylene	1.871	1.865		-0.3	50.0
2,6-Dinitrotoluene	0.309	0.317		2.6	50.0
3-Nitroaniline	0.347	0.356		2.6	50.0
Acenaphthene	1.098	1.090		-0.7	50.0
2,4-Dinitrophenol	0.165	0.178	0.050	7.9	50.0
4-Nitrophenol	0.285	0.289	0.050	1.4	50.0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_P Calibration Date/Time: 08/20/2025 10:41
 Lab File ID: BP025502.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.703		-1.9	50.0
2,4-Dinitrotoluene	0.440	0.456		3.6	50.0
Diethylphthalate	1.488	1.507		1.3	50.0
4-Chlorophenyl-phenylether	0.681	0.663		-2.6	50.0
Fluorene	1.370	1.316		-3.9	50.0
4-Nitroaniline	0.356	0.361		1.4	50.0
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	50.0
n-Nitrosodiphenylamine	0.610	0.612		0.3	50.0
2,4,6-Tribromophenol	0.269	0.271		0.7	50.0
4-Bromophenyl-phenylether	0.220	0.221		0.5	50.0
Hexachlorobenzene	0.255	0.254		-0.4	50.0
Atrazine	0.228	0.229		0.4	50.0
Pentachlorophenol	0.161	0.171		6.2	50.0
Phenanthrene	1.099	1.073		-2.4	50.0
Anthracene	1.122	1.104		-1.6	50.0
Carbazole	1.057	1.038		-1.8	50.0
Di-n-butylphthalate	1.300	1.312		0.9	50.0
Fluoranthene	1.311	1.295		-1.2	50.0
Pyrene	1.300	1.234		-5.1	50.0
Terphenyl-d14	1.093	1.063		-2.7	50.0
Butylbenzylphthalate	0.589	0.598		1.5	50.0
3,3-Dichlorobenzidine	0.497	0.488		-1.8	50.0
Benzo (a) anthracene	1.319	1.290		-2.2	50.0
Chrysene	1.235	1.218		-1.4	50.0
Bis (2-ethylhexyl) phthalate	0.867	0.889		2.5	50.0
Di-n-octyl phthalate	1.492	1.539		3.2	50.0
Benzo (b) fluoranthene	1.179	1.173		-0.5	50.0
Benzo (k) fluoranthene	1.180	1.196		1.4	50.0
Benzo (a) pyrene	1.148	1.133		-1.3	50.0
Indeno (1,2,3-cd) pyrene	1.467	1.427		-2.7	50.0
Dibenzo (a,h) anthracene	1.199	1.179		-1.7	50.0
Benzo (g,h,i) perylene	1.178	1.139		-3.3	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.586		1.4	50.0
1,4-Dioxane	0.472	0.487		3.2	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.383		1.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025502.D
 Acq On : 20 Aug 2025 10:41
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

Quant Time: Aug 20 11:50:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	147637	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	617928	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	400331	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	794586	20.000	ng	0.00
76) Chrysene-d12	21.648	240	859938	20.000	ng	0.00
86) Perylene-d12	25.018	264	959319	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	719851	80.973	ng	0.00
7) Phenol-d6	6.966	99	928207	81.437	ng	0.00
23) Nitrobenzene-d5	8.931	82	996684	81.592	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	434204	80.580	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2329621	79.531	ng	0.00
79) Terphenyl-d14	19.930	244	3655452	77.772	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	143916	41.329	ng	98
3) Pyridine	3.731	79	384461	40.337	ng	95
4) n-Nitrosodimethylamine	3.631	42	170424	43.372	ng	94
6) Aniline	7.119	93	617192	40.190	ng	97
8) 2-Chlorophenol	7.360	128	401335	40.005	ng	98
9) Benzaldehyde	6.937	77	190261	23.826	ng	96
10) Phenol	6.990	94	487981	40.802	ng	96
11) bis(2-Chloroethyl)ether	7.219	93	374074	40.129	ng	99
12) 1,3-Dichlorobenzene	7.678	146	441153	39.880	ng	96
13) 1,4-Dichlorobenzene	7.819	146	454745	40.220	ng	99
14) 1,2-Dichlorobenzene	8.137	146	437042	39.931	ng	98
15) Benzyl Alcohol	8.019	79	368154	40.652	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.313	45	520729	41.700	ng	98
17) 2-Methylphenol	8.225	107	336589	40.522	ng	100
18) Hexachloroethane	8.860	117	170458	41.003	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	303621	40.216	ng	97
20) 3+4-Methylphenols	8.549	107	458019	39.780	ng	97
22) Acetophenone	8.601	105	619709	39.991	ng	98
24) Nitrobenzene	8.972	77	440063	40.309	ng	98
25) Isophorone	9.496	82	864797	40.003	ng	100
26) 2-Nitrophenol	9.678	139	223032	39.808	ng	97
27) 2,4-Dimethylphenol	9.737	122	385100	39.968	ng	97
28) bis(2-Chloroethoxy)met...	9.966	93	515756	39.468	ng	98
29) 2,4-Dichlorophenol	10.207	162	387958	40.533	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	408012	38.887	ng	97
31) Naphthalene	10.607	128	1252509	38.998	ng	100
32) Benzoic acid	9.878	122	284166	39.948	ng	96
33) 4-Chloroaniline	10.713	127	561871	39.605	ng	99
34) Hexachlorobutadiene	10.895	225	261058	39.951	ng	96
35) Caprolactam	11.490	113	136092	38.776	ng	98
36) 4-Chloro-3-methylphenol	11.831	107	441463	40.195	ng	96
37) 2-Methylnaphthalene	12.219	142	809155	38.714	ng	99
38) 1-Methylnaphthalene	12.437	142	851212	38.296	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	469176	40.579	ng	99
41) Hexachlorocyclopentadiene	12.566	237	291550	41.746	ng	99
43) 2,4,6-Trichlorophenol	12.831	196	319303	40.907	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025502.D
 Acq On : 20 Aug 2025 10:41
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

Quant Time: Aug 20 11:50:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	350964	41.026	ng	99
46) 1,1'-Biphenyl	13.225	154	1153599	39.678	ng	99
47) 2-Chloronaphthalene	13.272	162	900445	39.783	ng	98
48) 2-Nitroaniline	13.472	65	281785	42.727	ng	97
49) Acenaphthylene	14.125	152	1492877	39.860	ng	100
50) Dimethylphthalate	13.854	163	1165139	39.744	ng	99
51) 2,6-Dinitrotoluene	13.972	165	253787	41.073	ng	93
52) Acenaphthene	14.478	154	872980m	39.710	ng	
53) 3-Nitroaniline	14.301	138	285327	41.043	ng	97
54) 2,4-Dinitrophenol	14.507	184	142309	43.128	ng	97
55) Dibenzofuran	14.813	168	1363388	39.226	ng	98
56) 4-Nitrophenol	14.619	139	231578	40.538	ng	92
57) 2,4-Dinitrotoluene	14.766	165	365491	41.459	ng	96
58) Fluorene	15.466	166	1053490	38.412	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.036	232	306484	40.574	ng	98
60) Diethylphthalate	15.242	149	1206790	40.513	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	531056	38.934	ng	97
62) 4-Nitroaniline	15.483	138	288849	40.530	ng	93
63) Azobenzene	15.766	77	1076346	42.199	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	207617	41.917	ng	93
66) n-Nitrosodiphenylamine	15.678	169	973360	40.171	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	351898	40.268	ng	97
68) Hexachlorobenzene	16.495	284	404392	39.919	ng	98
69) Atrazine	16.654	200	364653	40.186	ng	100
70) Pentachlorophenol	16.842	266	271451	42.449	ng	96
71) Phenanthrene	17.242	178	1705125	39.064	ng	99
72) Anthracene	17.336	178	1754702	39.365	ng	99
73) Carbazole	17.613	167	1650038	39.300	ng	99
74) Di-n-butylphthalate	18.213	149	2085492	40.373	ng	100
75) Fluoranthene	19.330	202	2058062	39.528	ng	99
77) Benzidine	19.519	184	965340	32.893	ng	99
78) Pyrene	19.701	202	2123016	37.983	ng	100
80) Butylbenzylphthalate	20.654	149	1028893	40.617	ng	98
81) Benzo(a)anthracene	21.630	228	2219096	39.128	ng	99
82) 3,3'-Dichlorobenzidine	21.542	252	839996	39.295	ng	99
83) Chrysene	21.695	228	2094426	39.434	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1528918	41.001	ng	99
85) Di-n-octyl phthalate	22.865	149	2647644	41.280	ng	98
87) Indeno(1,2,3-cd)pyrene	28.842	276	2736984	38.904	ng	98
88) Benzo(b)fluoranthene	23.959	252	2250091	39.777	ng	99
89) Benzo(k)fluoranthene	24.036	252	2294595	40.536	ng	99
90) Benzo(a)pyrene	24.871	252	2174497	39.490	ng	100
91) Dibenzo(a,h)anthracene	28.936	278	2262080	39.346	ng	98
92) Benzo(g,h,i)perylene	30.042	276	2184778	38.659	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025

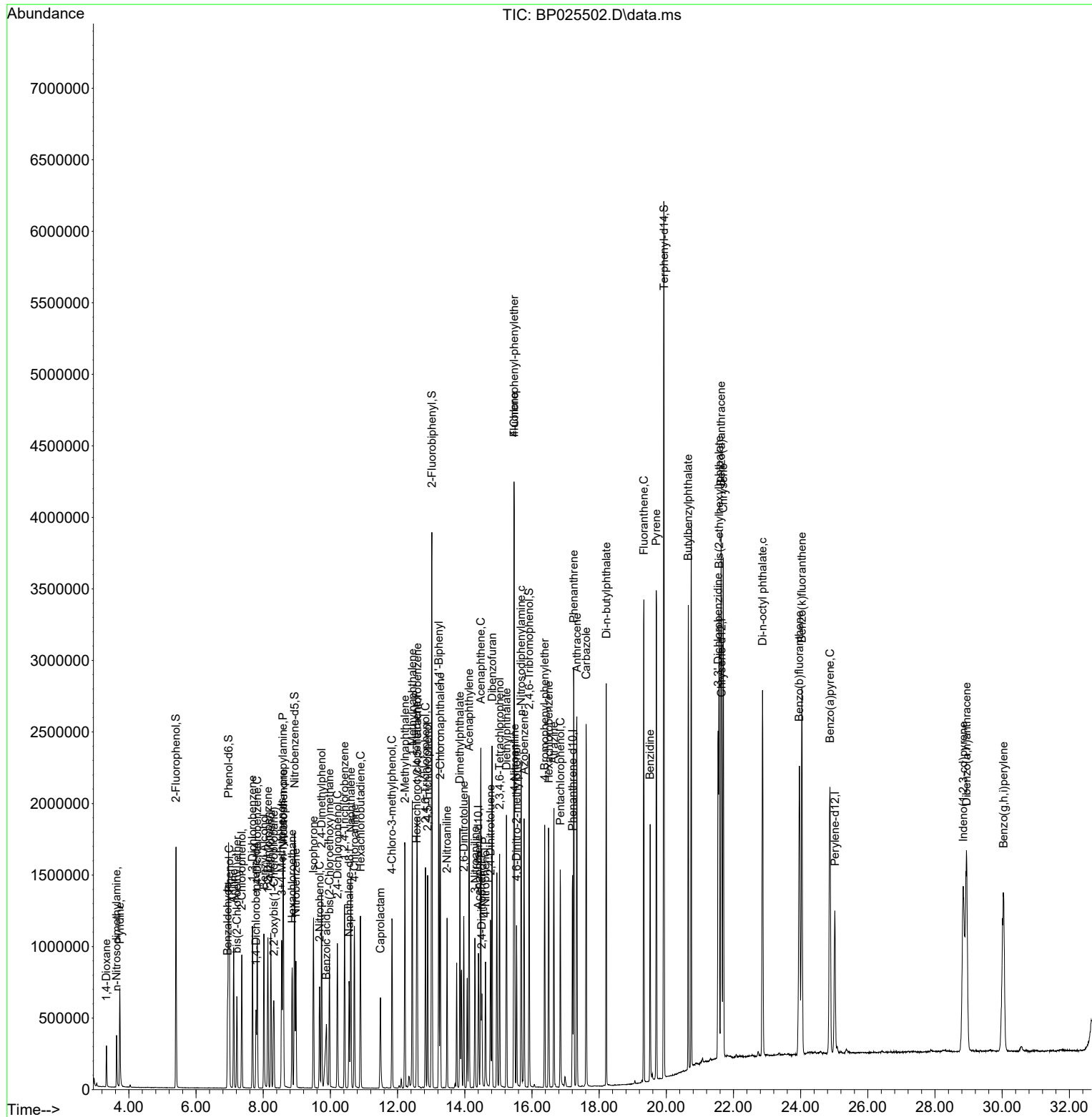
Quant Time: Aug 20 11:50:01 2025

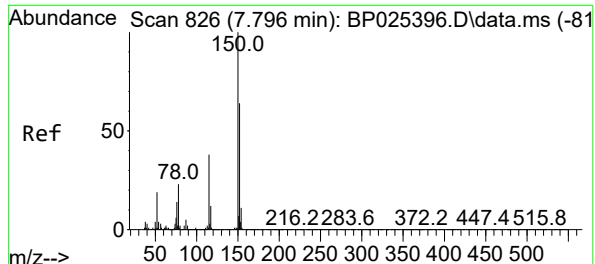
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 14 18:14:31 2025

Response via : Initial Calibration





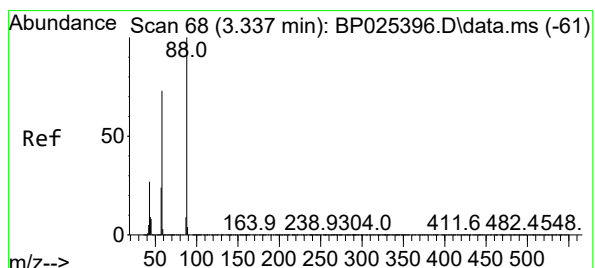
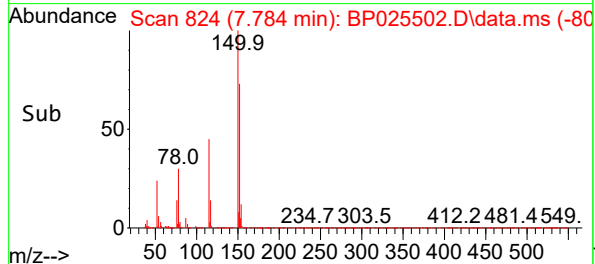
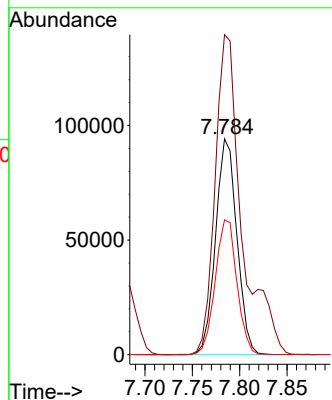
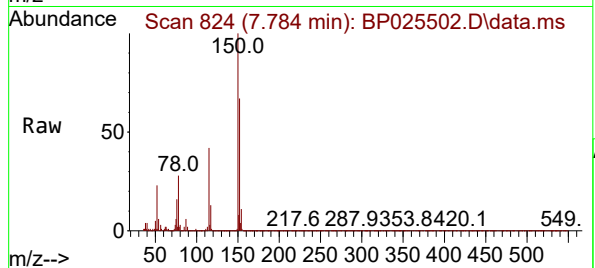
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 152 Resp: 14763
Ion Ratio Lower Upper
152 100
150 148.3 125.9 188.9
115 62.5 48.5 72.7

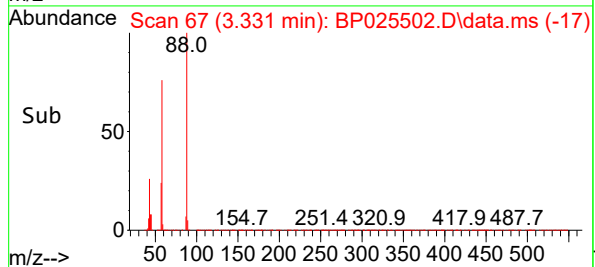
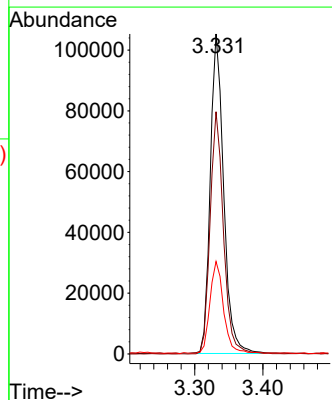
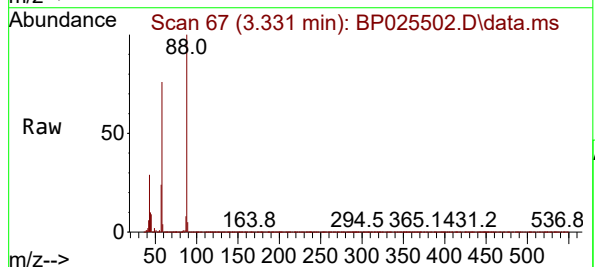
Manual Integrations
APPROVED

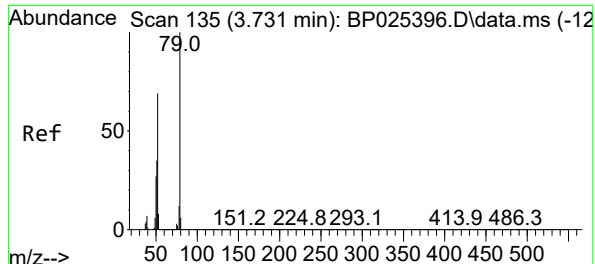
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#2
1,4-Dioxane
Concen: 41.329 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 88 Resp: 143916
Ion Ratio Lower Upper
88 100
58 75.4 59.2 88.8
43 28.9 21.7 32.5





#3

Pyridine

Concen: 40.337 ng

RT: 3.731 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 79 Resp: 38446

Ion Ratio Lower Upper

79 100

52 73.4 55.5 83.3

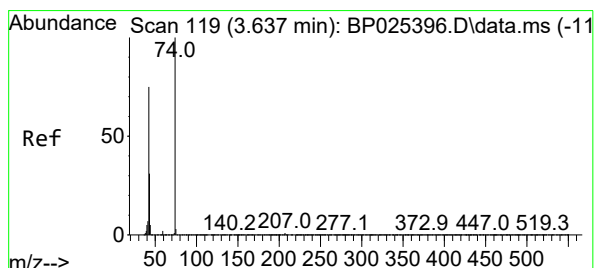
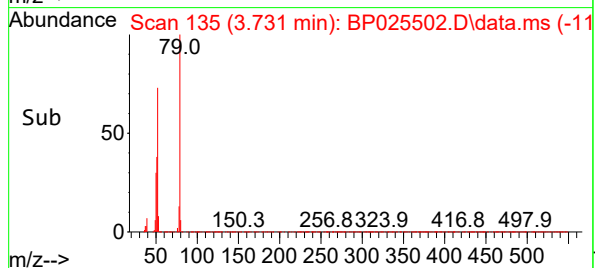
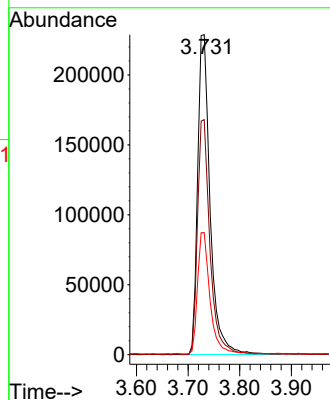
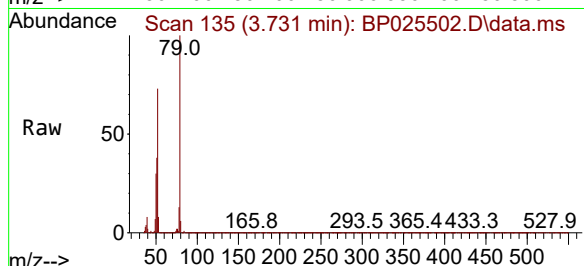
51 38.2 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#4

n-Nitrosodimethylamine

Concen: 43.372 ng

RT: 3.631 min Scan# 118

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

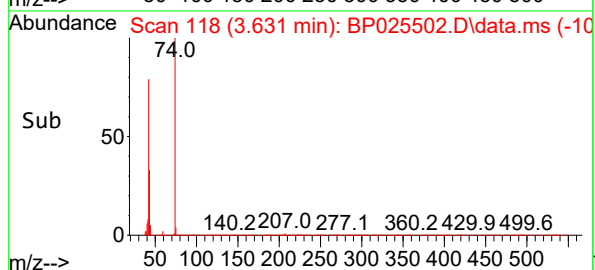
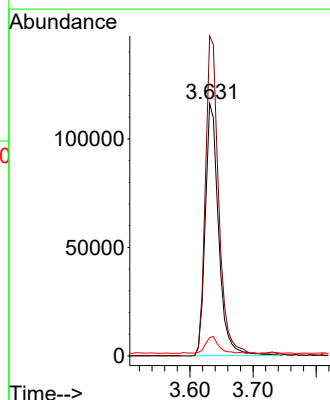
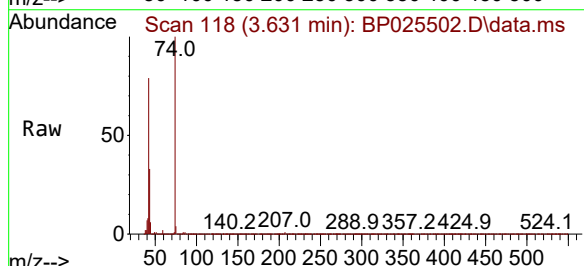
Tgt Ion: 42 Resp: 170424

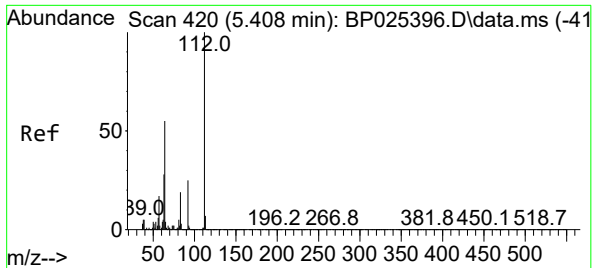
Ion Ratio Lower Upper

42 100

74 126.8 107.0 160.4

44 7.2 6.2 9.4





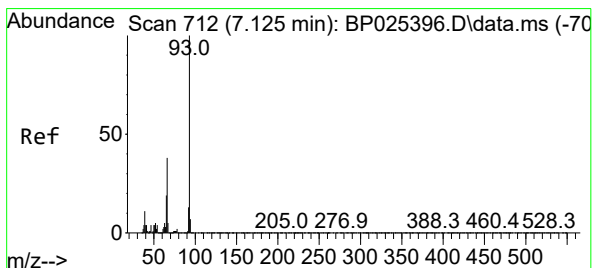
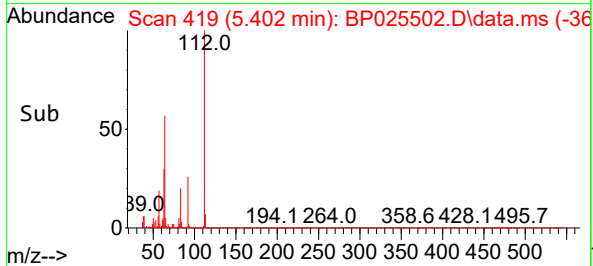
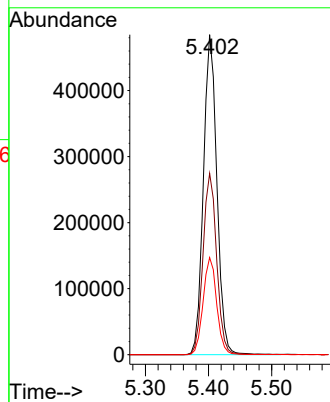
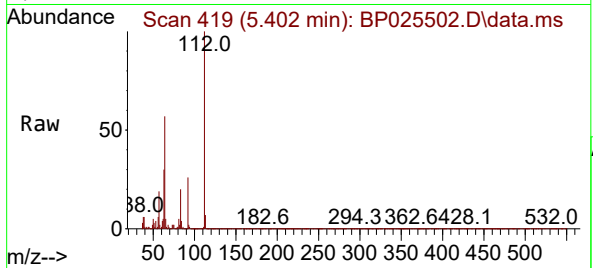
#5
2-Fluorophenol
Concen: 80.973 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 71985
Ion Ratio Lower Upper
112 100
64 56.6 43.8 65.8
63 30.4 22.7 34.1

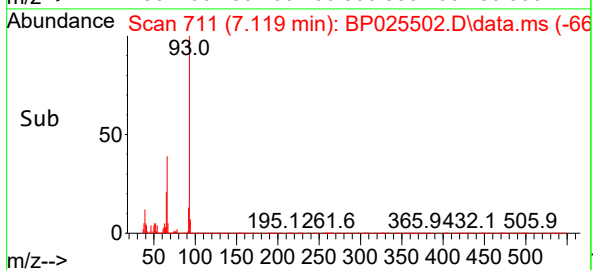
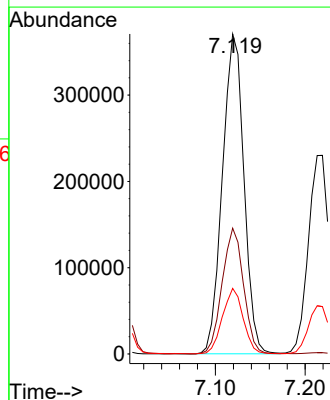
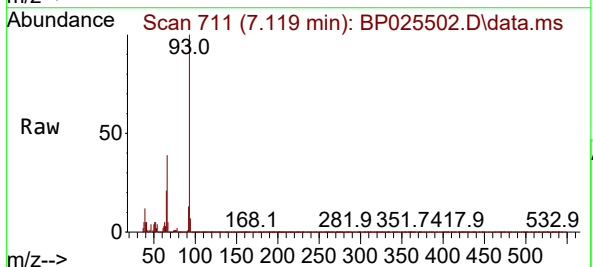
Manual Integrations
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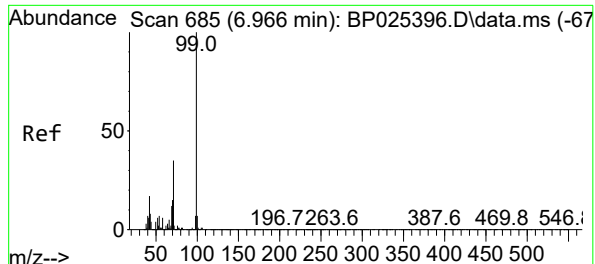
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#6
Aniline
Concen: 40.190 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 93 Resp: 617192
Ion Ratio Lower Upper
93 100
66 39.3 30.4 45.6
65 20.5 15.3 22.9





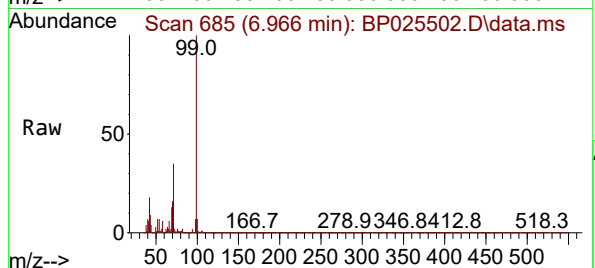
#7
Phenol-d6
Concen: 81.437 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

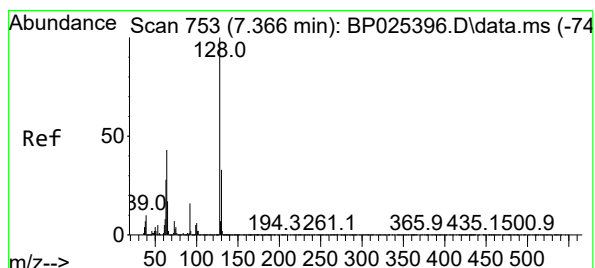
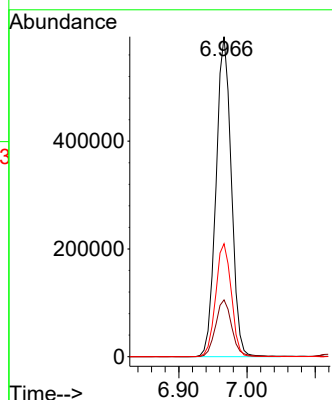
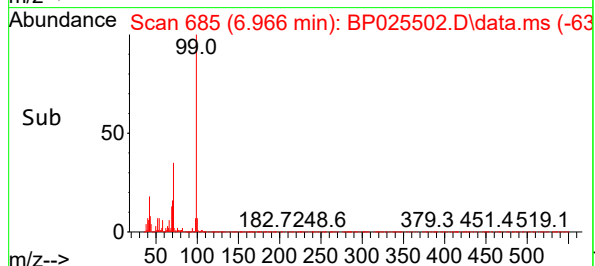
SSTDCCC040EC



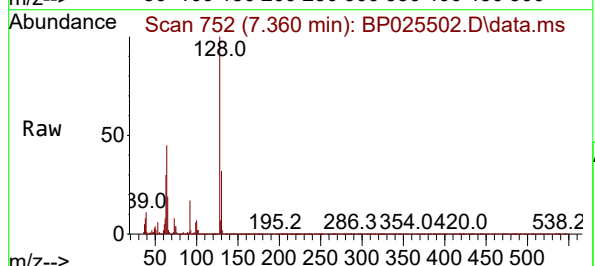
Tgt Ion: 99 Resp: 92820
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 35.3 28.2 42.4

Manual Integrations
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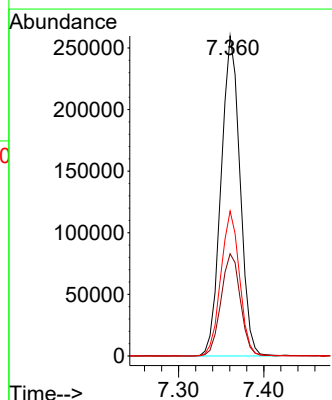
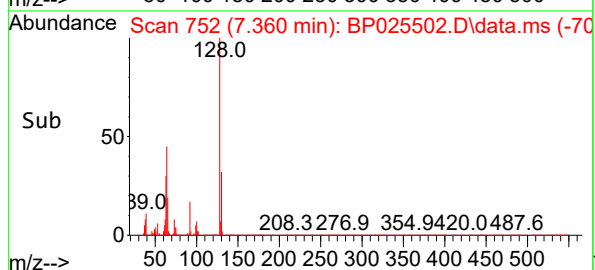
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

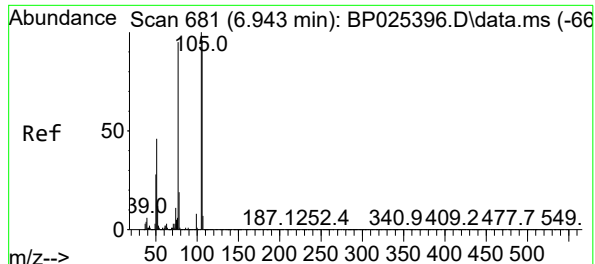


#8
2-Chlorophenol
Concen: 40.005 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



Tgt Ion:128 Resp: 401335
Ion Ratio Lower Upper
128 100
130 32.0 12.6 52.6
64 45.3 23.4 63.4





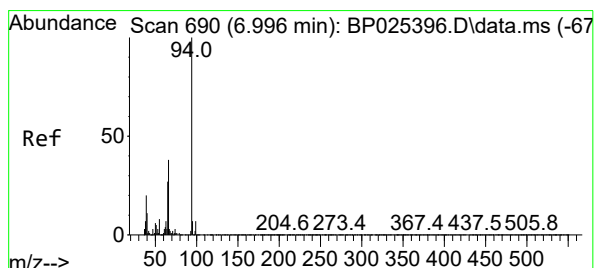
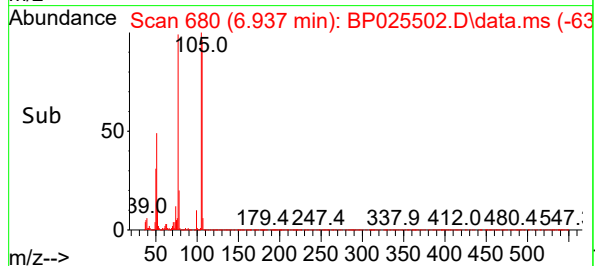
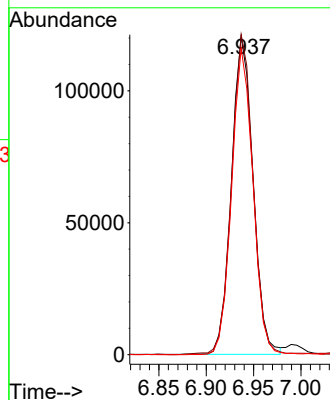
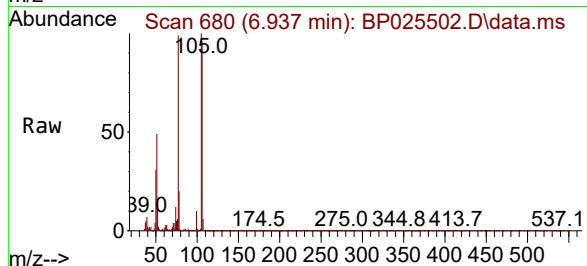
#9
Benzaldehyde
Concen: 23.826 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 19026
Ion Ratio Lower Upper
77 100
105 100.6 84.8 124.8
106 96.4 80.5 120.5

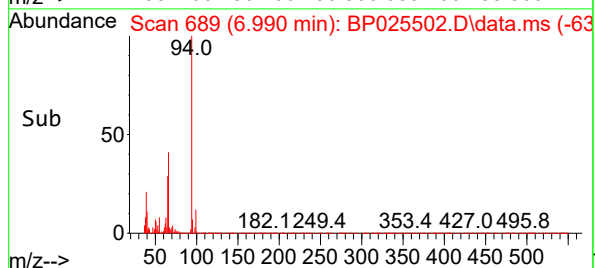
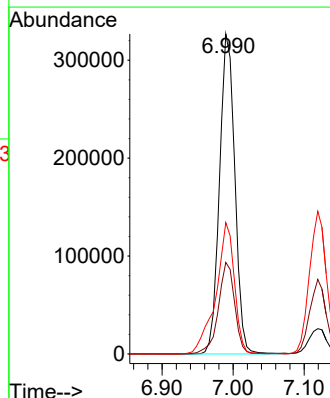
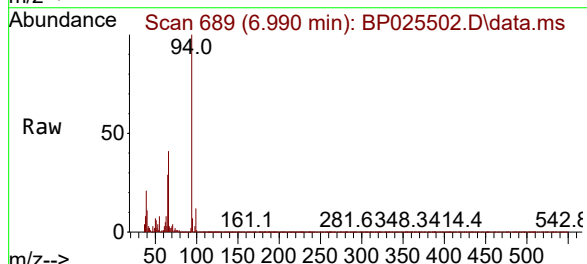
Manual Integrations
APPROVED

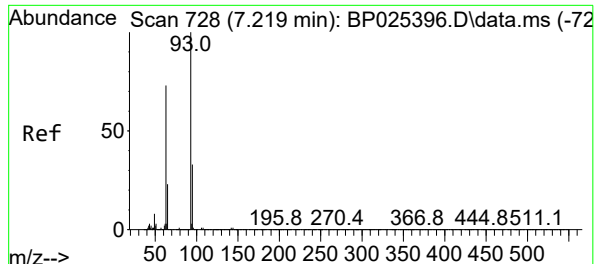
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#10
Phenol
Concen: 40.802 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 94 Resp: 487981
Ion Ratio Lower Upper
94 100
65 28.6 6.8 46.8
66 41.1 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 40.129 ng

RT: 7.219 min Scan# 71

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 93 Resp: 374074

Ion Ratio Lower Upper

93 100

63 73.8 52.6 92.6

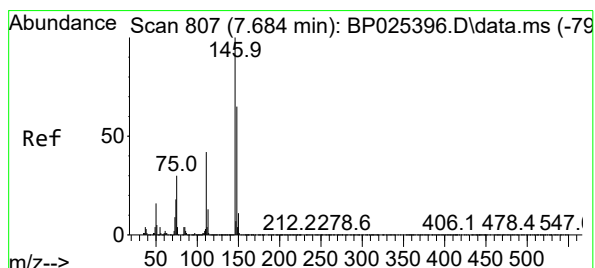
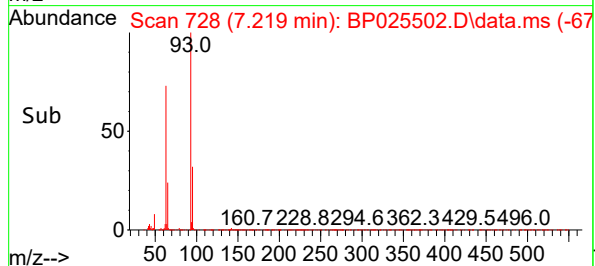
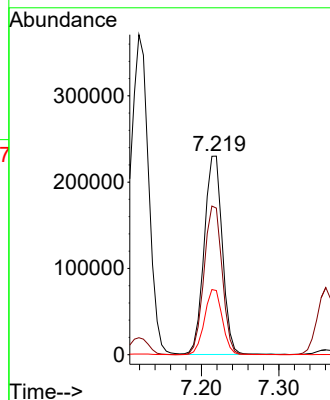
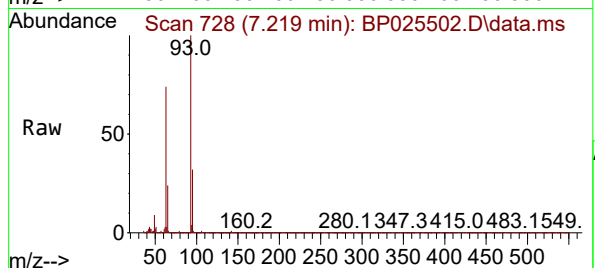
95 32.3 12.7 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#12

1,3-Dichlorobenzene

Concen: 39.880 ng

RT: 7.678 min Scan# 806

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

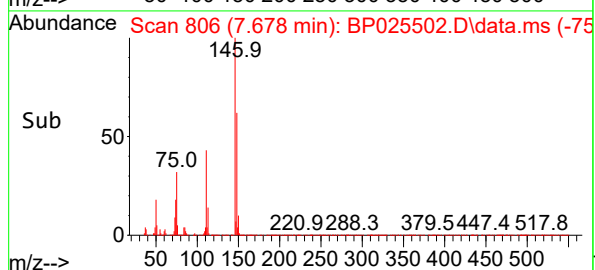
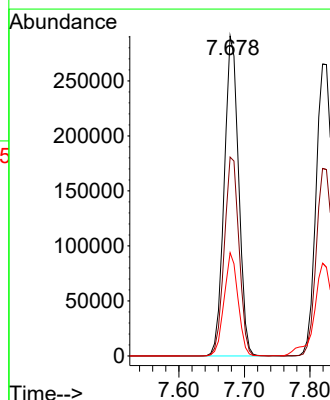
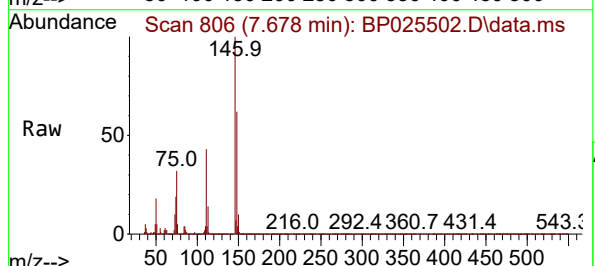
Tgt Ion:146 Resp: 441153

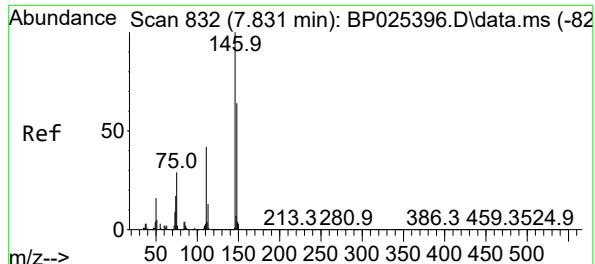
Ion Ratio Lower Upper

146 100

148 62.1 51.9 77.9

75 32.3 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 40.220 ng

RT: 7.819 min Scan# 81

Delta R.T. -0.012 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:146 Resp: 45474

Ion Ratio Lower Upper

146 100

148 64.2 51.6 77.4

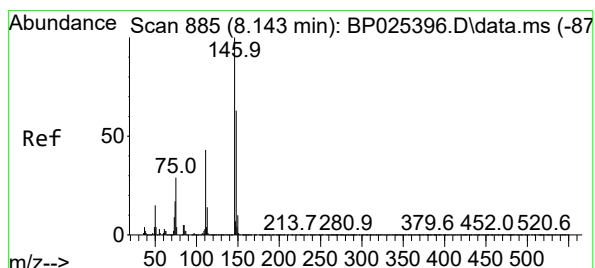
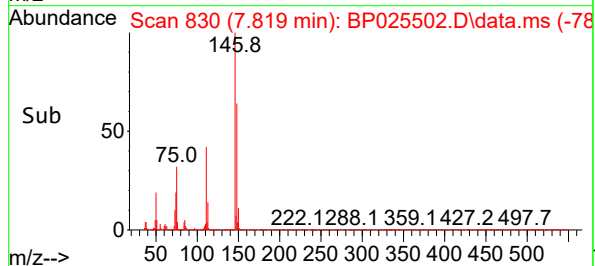
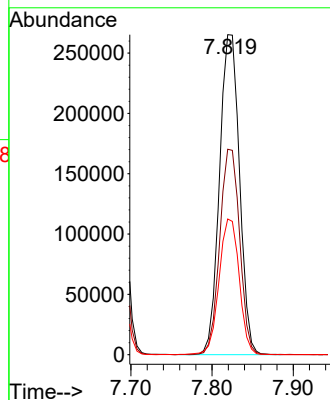
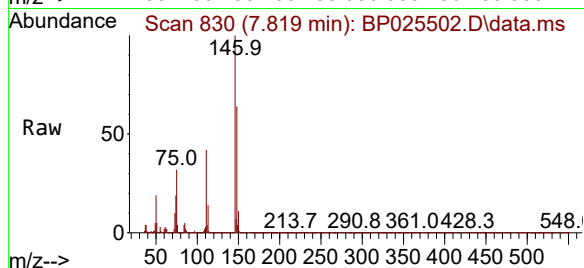
111 42.4 33.4 50.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#14

1,2-Dichlorobenzene

Concen: 39.931 ng

RT: 8.137 min Scan# 884

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

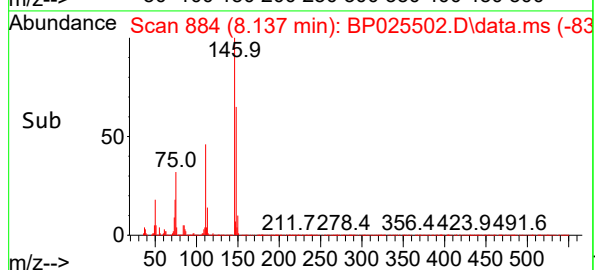
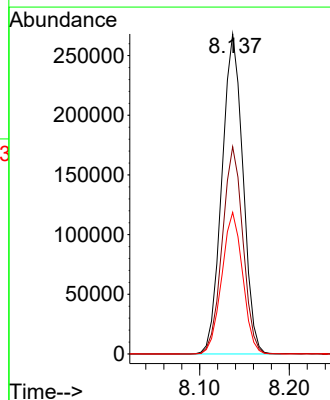
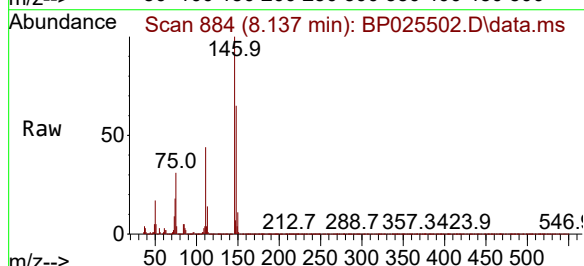
Tgt Ion:146 Resp: 437042

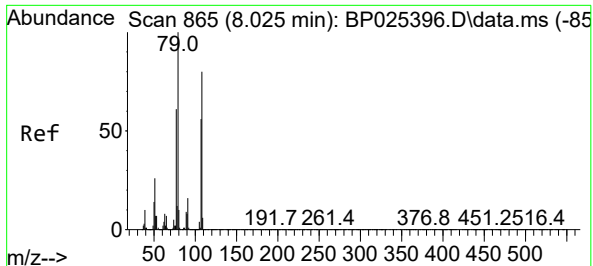
Ion Ratio Lower Upper

146 100

148 64.7 50.4 75.6

111 44.3 34.5 51.7





#15

Benzyl Alcohol

Concen: 40.652 ng

RT: 8.019 min Scan# 80

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 79 Resp: 368154

Ion Ratio Lower Upper

79 100

108 75.7 63.8 95.6

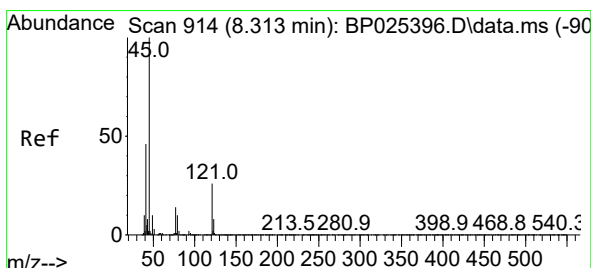
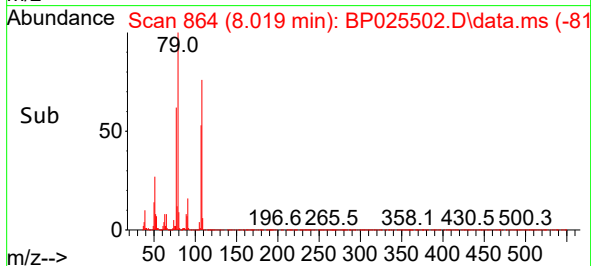
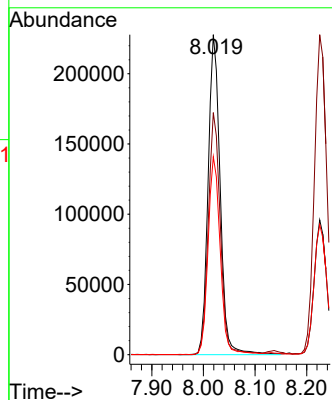
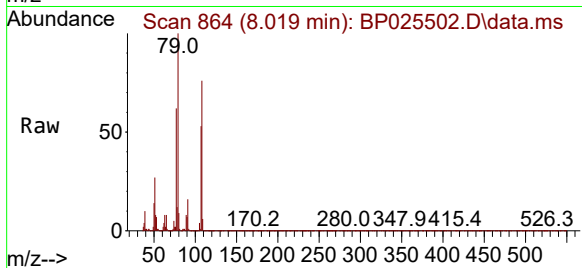
77 61.9 49.0 73.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/21/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.700 ng

RT: 8.313 min Scan# 914

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

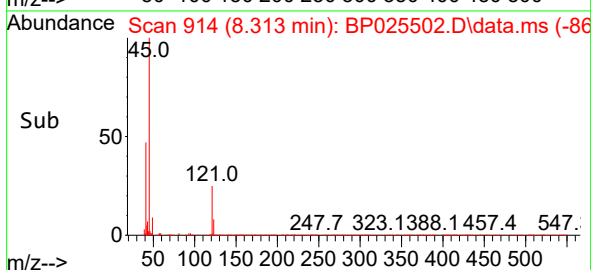
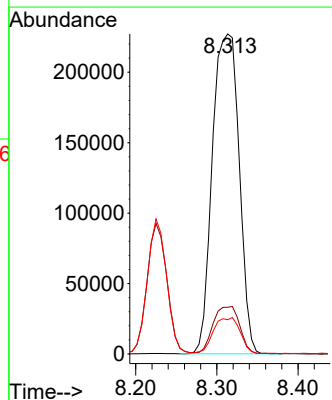
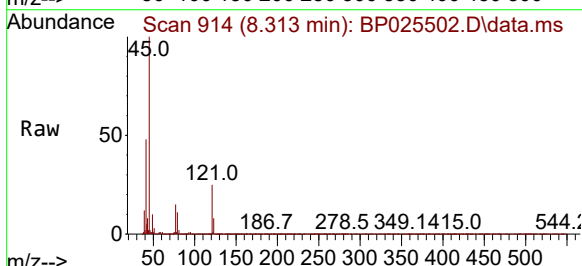
Tgt Ion: 45 Resp: 520729

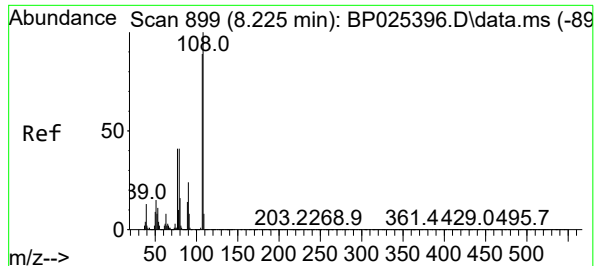
Ion Ratio Lower Upper

45 100

77 14.6 0.0 35.3

79 10.7 0.0 31.8





#17

2-Methylphenol

Concen: 40.522 ng

RT: 8.225 min Scan# 899

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:107 Resp: 336589

Ion Ratio Lower Upper

107 100

108 111.7 89.4 134.0

77 45.4 36.3 54.5

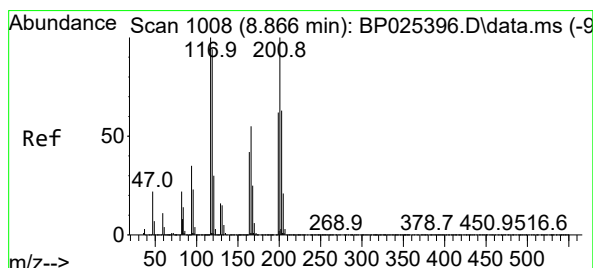
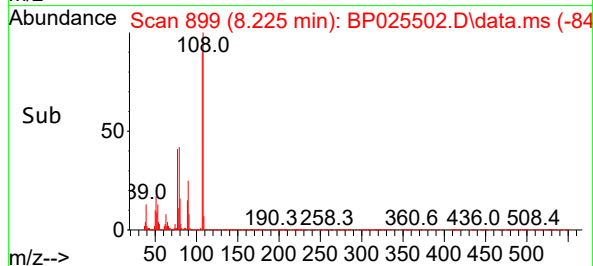
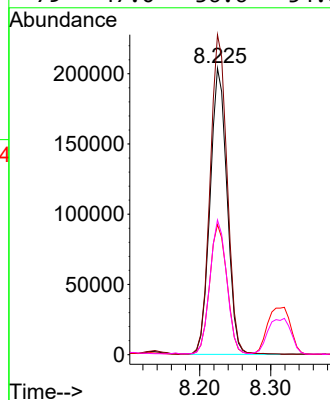
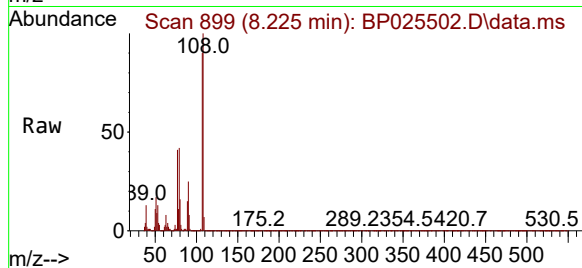
79 47.0 36.6 54.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#18

Hexachloroethane

Concen: 41.003 ng

RT: 8.860 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

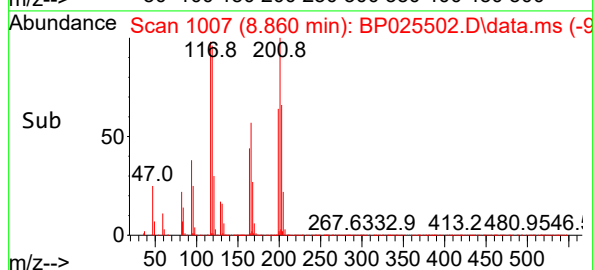
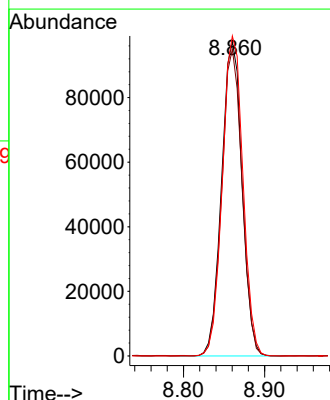
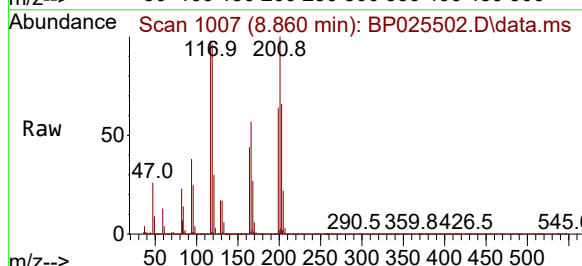
Tgt Ion:117 Resp: 170458

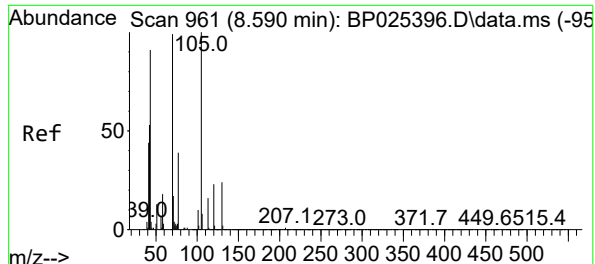
Ion Ratio Lower Upper

117 100

119 97.7 75.1 112.7

201 101.9 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 40.216 ng

RT: 8.584 min Scan# 90

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 70 Resp: 30362

Ion Ratio Lower Upper

70 100

42 57.6 43.8 65.6

101 10.7 8.5 12.7

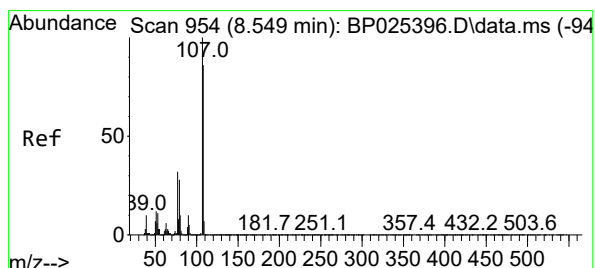
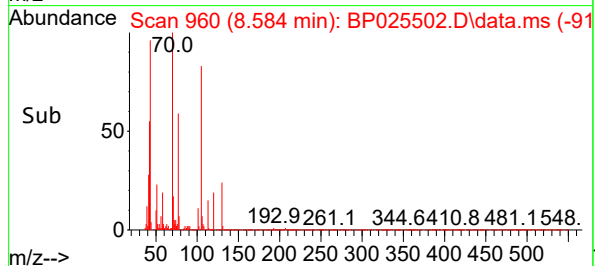
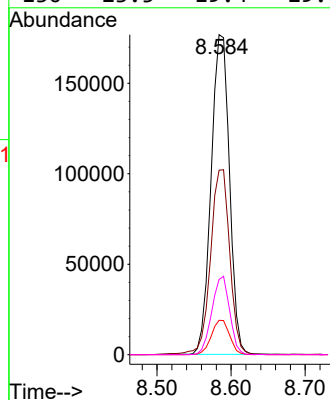
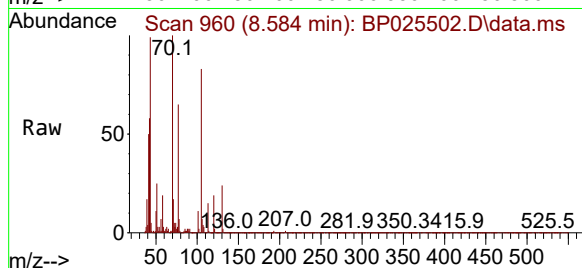
130 23.5 19.4 29.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#20

3+4-Methylphenols

Concen: 39.780 ng

RT: 8.549 min Scan# 954

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Tgt Ion:107 Resp: 458019

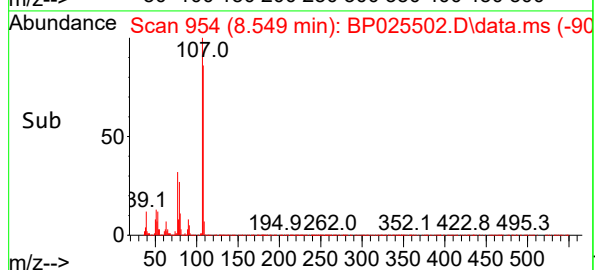
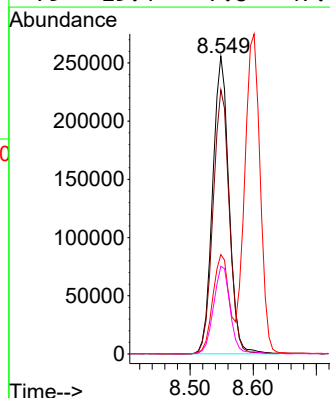
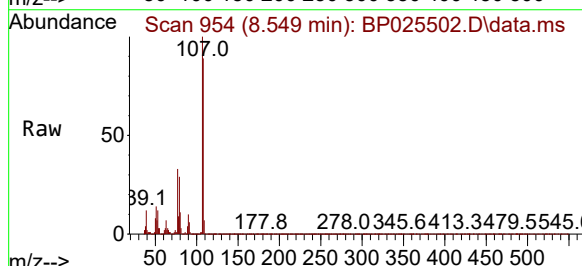
Ion Ratio Lower Upper

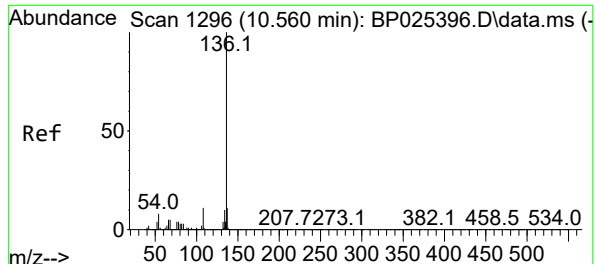
107 100

108 88.7 66.3 106.3

77 33.3 12.3 52.3

79 29.4 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.554 min Scan# 1296

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:136 Resp: 617928

Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 7.9 6.0 9.0

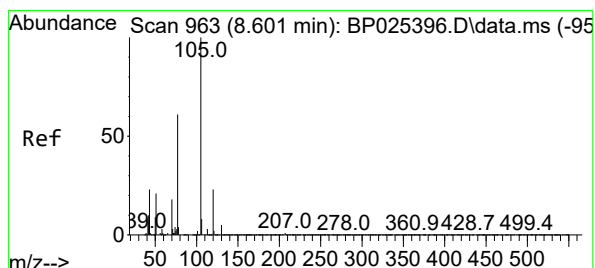
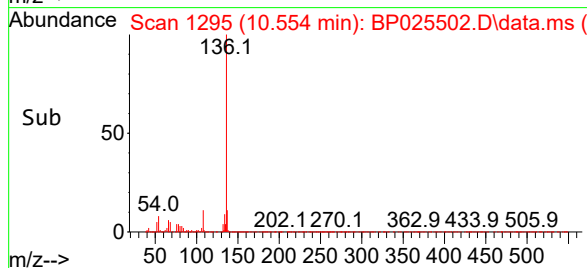
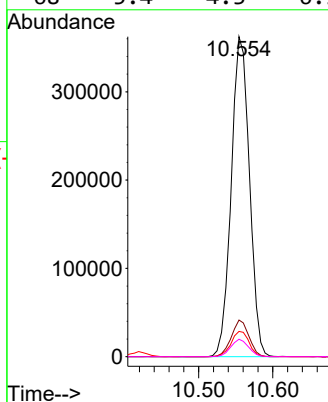
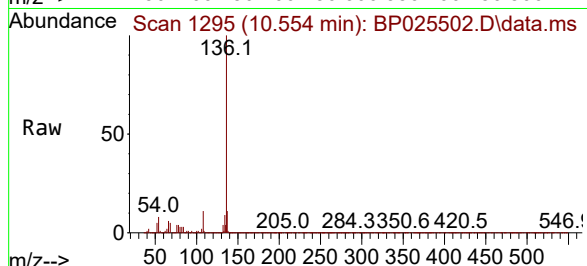
68 5.4 4.3 6.5

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#22

Acetophenone

Concen: 39.991 ng

RT: 8.601 min Scan# 963

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Tgt Ion:105 Resp: 619709

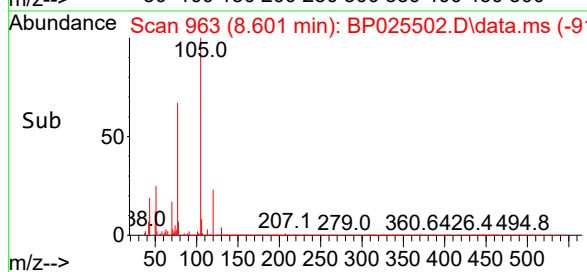
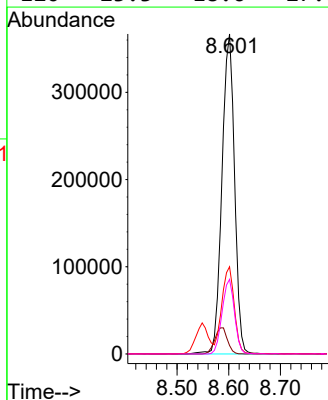
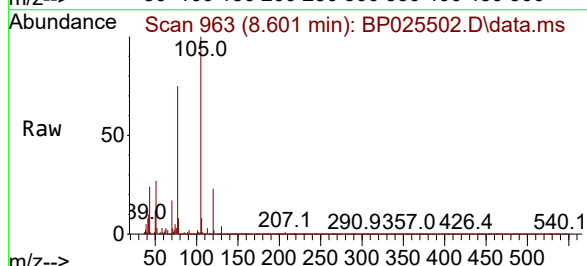
Ion Ratio Lower Upper

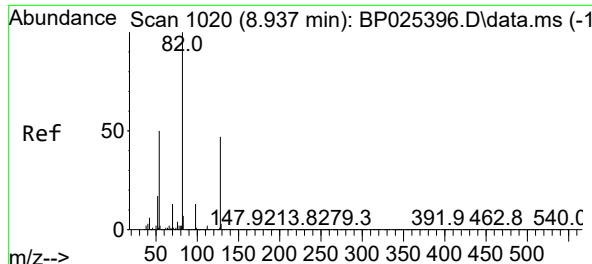
105 100

71 2.7 2.6 4.0

51 27.2 20.6 30.8

120 23.3 18.6 27.8





#23

Nitrobenzene-d5

Concen: 81.592 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025502.D

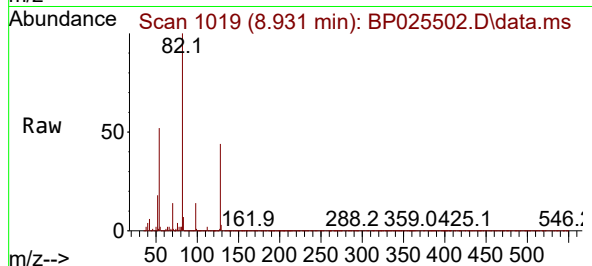
Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC



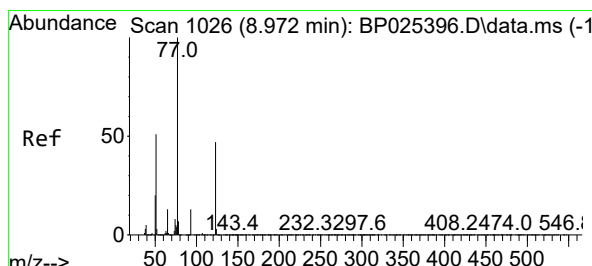
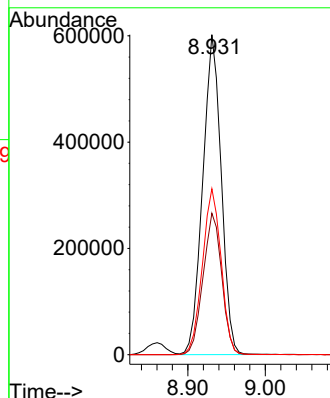
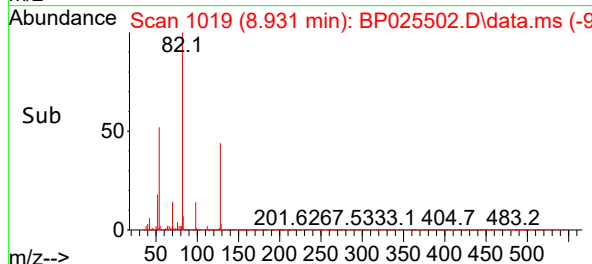
Tgt Ion:	82	Resp:	996684
Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.7	56.5
54	51.9	39.8	59.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#24

Nitrobenzene

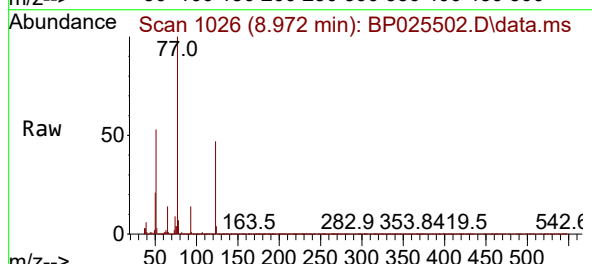
Concen: 40.309 ng

RT: 8.972 min Scan# 1026

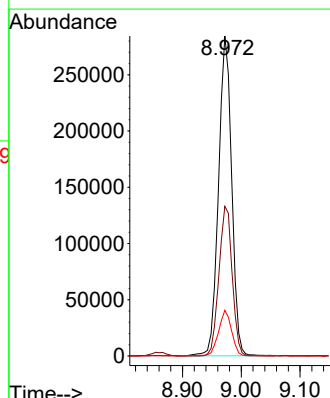
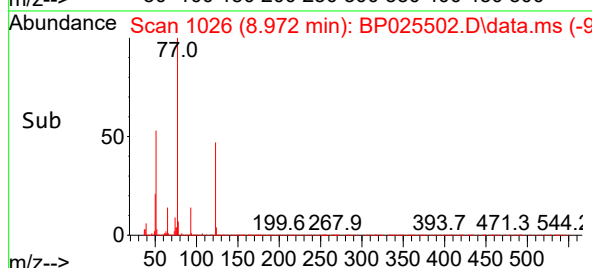
Delta R.T. -0.000 min

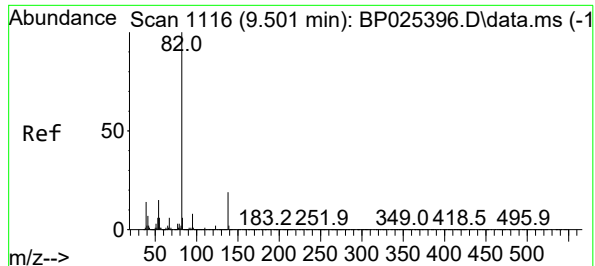
Lab File: BP025502.D

Acq: 20 Aug 2025 10:41



Tgt Ion:	77	Resp:	440063
Ion	Ratio	Lower	Upper
77	100		
123	46.8	38.6	58.0
65	14.2	10.6	15.8





#25

Isophorone

Concen: 40.003 ng

RT: 9.496 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 82 Resp: 86479

Ion Ratio Lower Upper

82 100

95 8.2 6.4 9.6

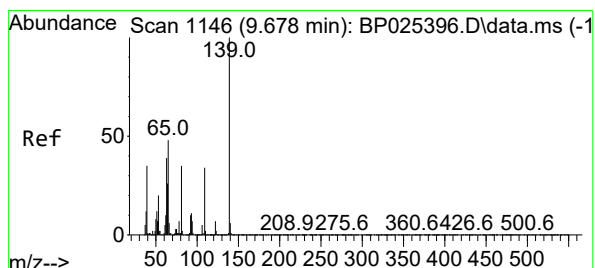
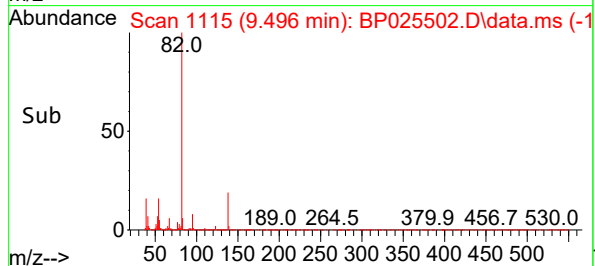
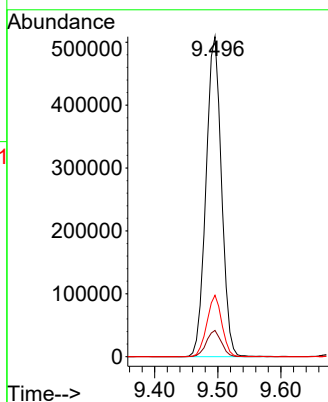
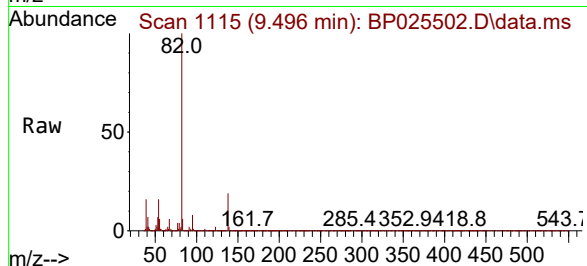
138 19.2 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#26

2-Nitrophenol

Concen: 39.808 ng

RT: 9.678 min Scan# 1146

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

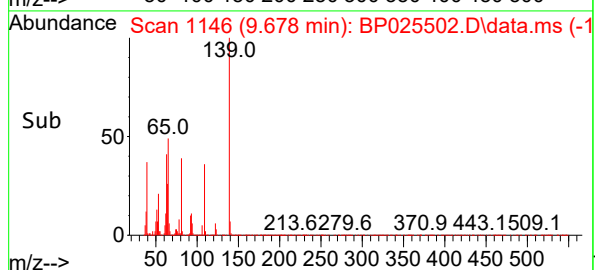
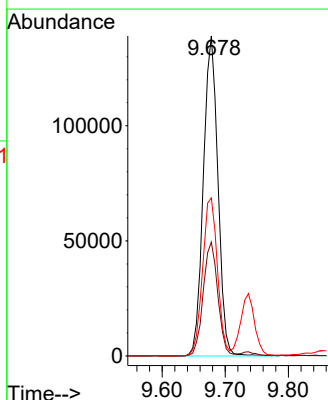
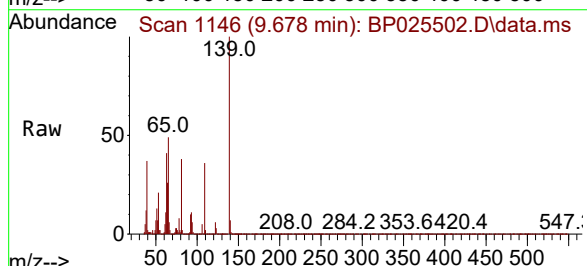
Tgt Ion:139 Resp: 223032

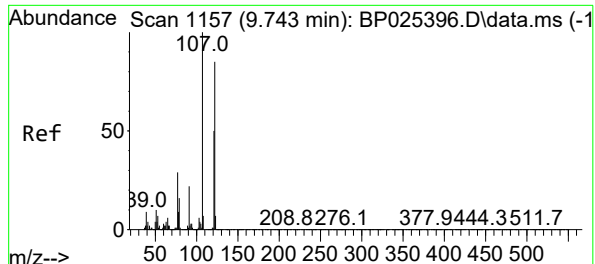
Ion Ratio Lower Upper

139 100

109 35.6 26.9 40.3

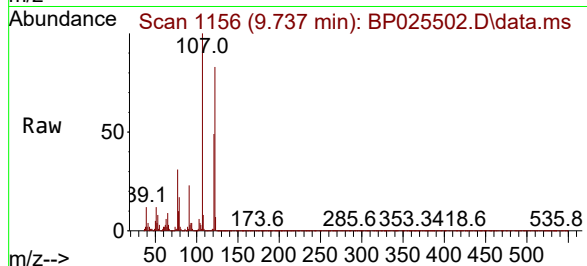
65 49.4 38.3 57.5





#27
2,4-Dimethylphenol
Concen: 39.968 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

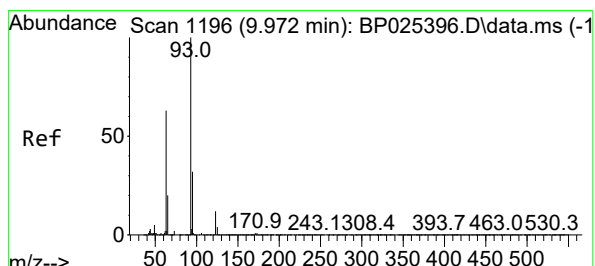
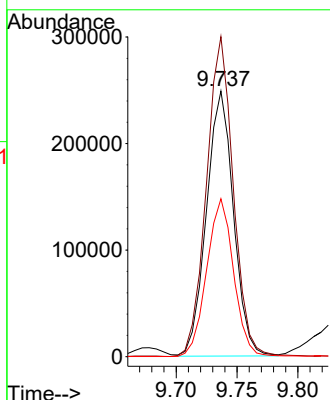
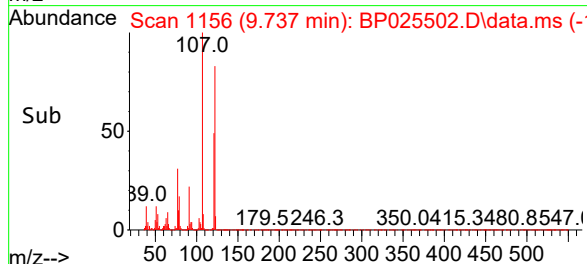
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



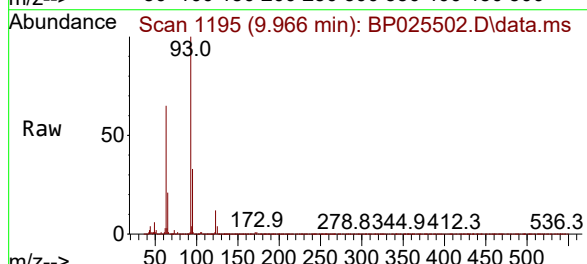
Tgt Ion: 122 Resp: 385100
Ion Ratio Lower Upper
122 100
107 120.5 93.7 140.5
121 59.5 46.6 69.8

Manual Integrations
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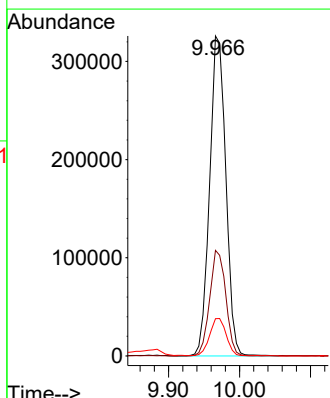
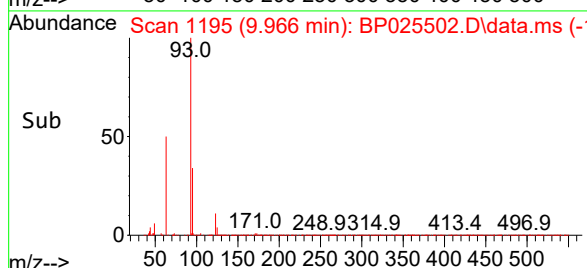
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

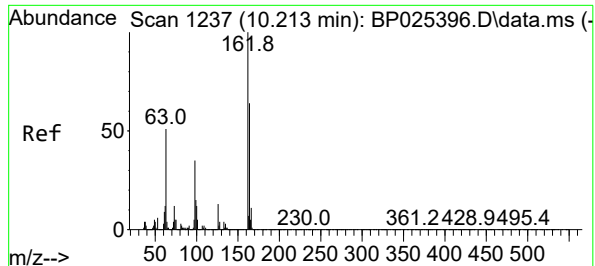


#28
bis(2-Chloroethoxy)methane
Concen: 39.468 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



Tgt Ion: 93 Resp: 515756
Ion Ratio Lower Upper
93 100
95 33.0 25.4 38.0
123 11.7 9.4 14.0





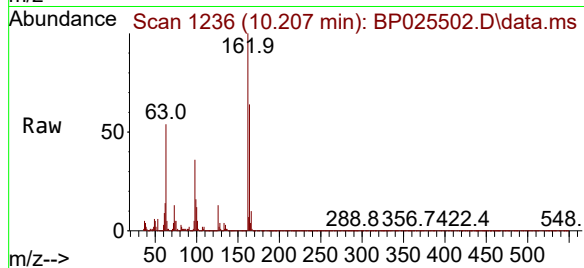
#29
2,4-Dichlorophenol
Concen: 40.533 ng
RT: 10.207 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

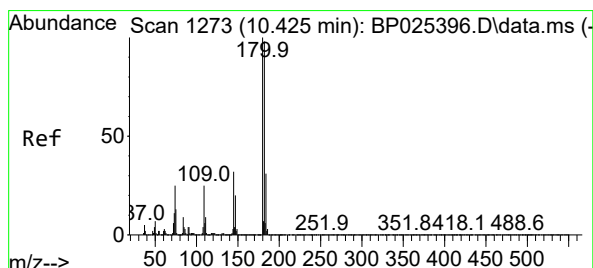
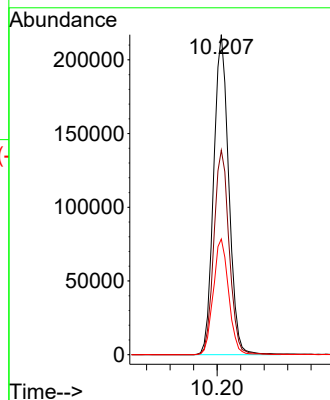
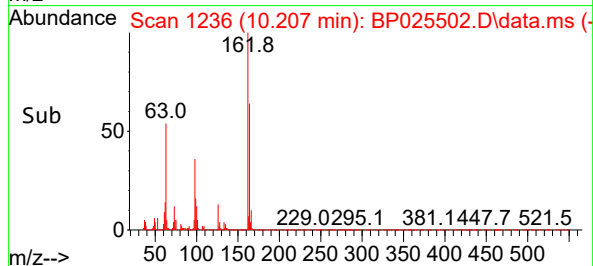
SSTDCCC040EC



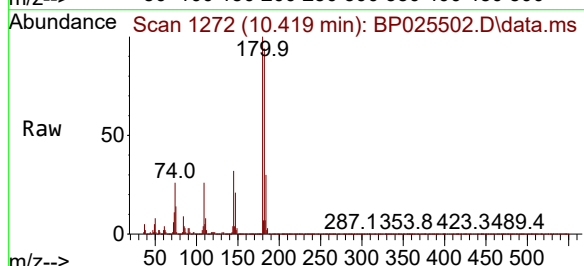
Tgt Ion:162 Resp: 387958
Ion Ratio Lower Upper
162 100
164 63.9 44.4 84.4
98 36.2 14.9 54.9

Manual Integrations
APPROVED

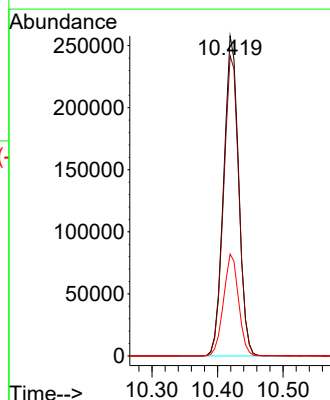
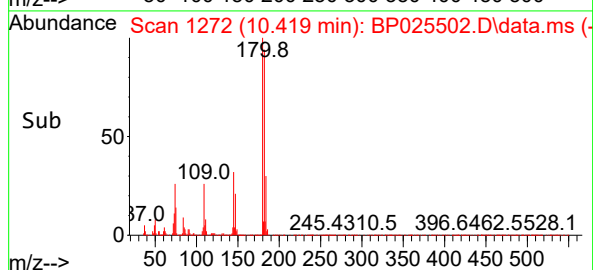
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

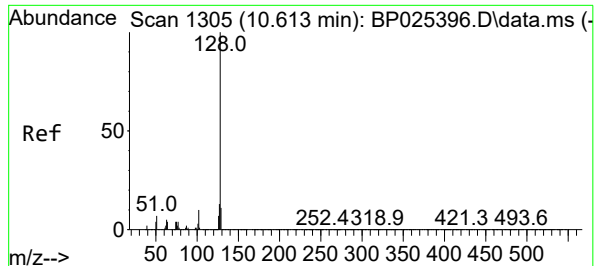


#30
1,2,4-Trichlorobenzene
Concen: 38.887 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



Tgt Ion:180 Resp: 408012
Ion Ratio Lower Upper
180 100
182 93.8 78.0 117.0
145 31.8 25.9 38.9





#31

Naphthalene

Concen: 38.998 ng

RT: 10.607 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:128 Resp: 1252509

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

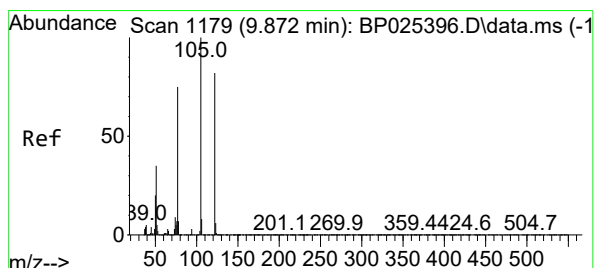
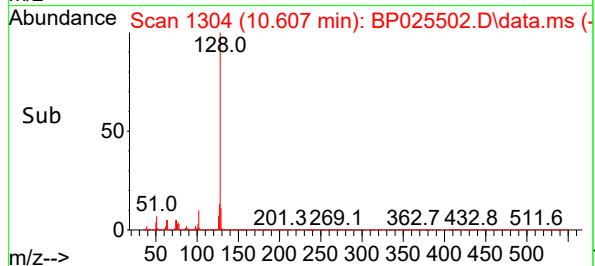
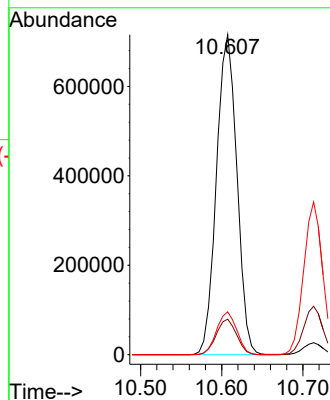
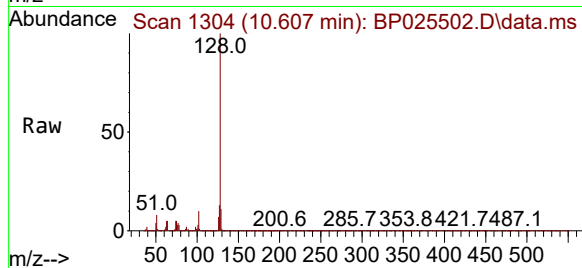
127 13.4 10.7 16.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#32

Benzoic acid

Concen: 39.948 ng

RT: 9.878 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

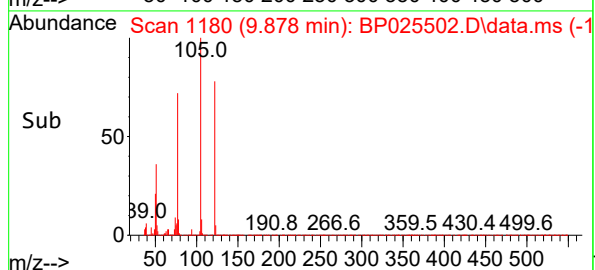
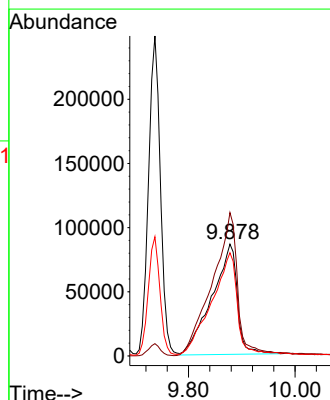
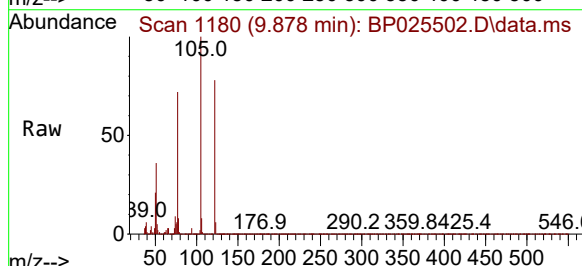
Tgt Ion:122 Resp: 284166

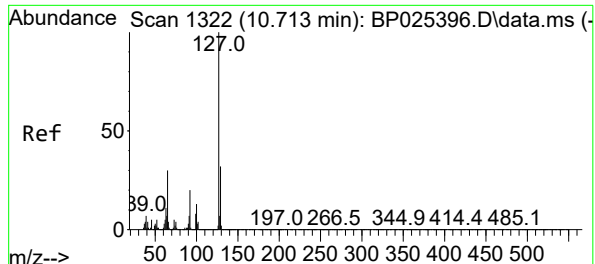
Ion Ratio Lower Upper

122 100

105 128.1 100.6 140.6

77 92.2 71.5 111.5





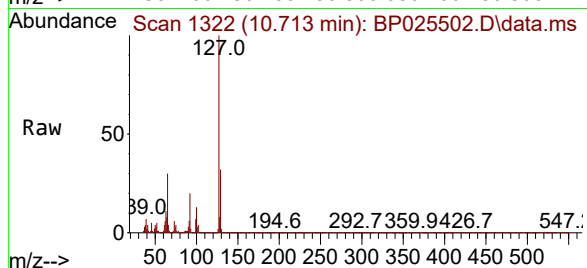
#33
4-Chloroaniline
Concen: 39.605 ng
RT: 10.713 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC



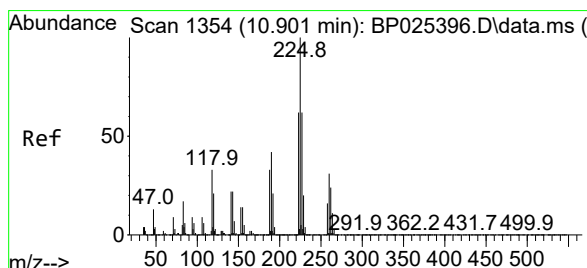
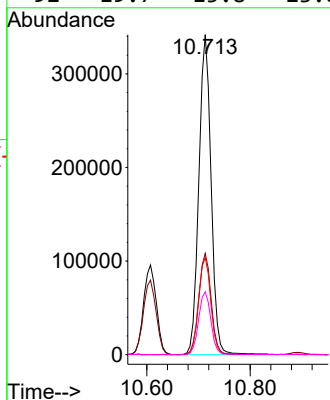
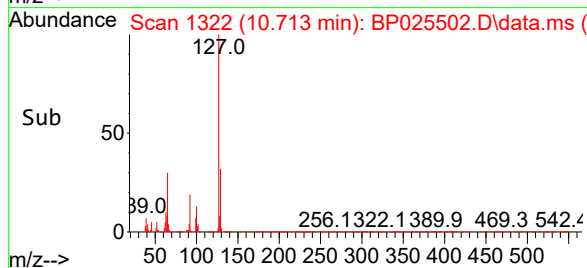
Tgt Ion:127 Resp: 56187
Ion Ratio Lower Upper
127 100
129 31.7 25.4 38.2
65 30.3 23.8 35.6
92 19.7 15.8 23.8

Manual Integrations

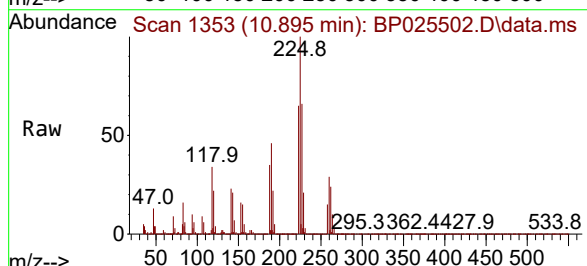
APPROVED

Reviewed By :Rahul Chavli 08/20/2025

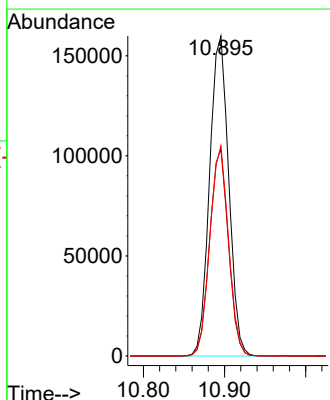
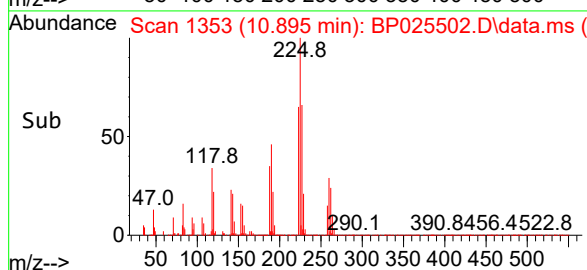
Supervised By :Jagrut Upadhyay 08/21/2025

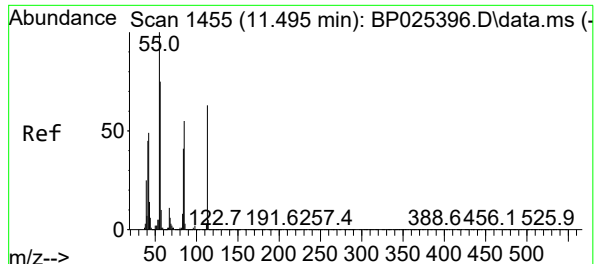


#34
Hexachlorobutadiene
Concen: 39.951 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



Tgt Ion:225 Resp: 261058
Ion Ratio Lower Upper
225 100
223 64.6 50.0 75.0
227 65.7 49.7 74.5





#35

Caprolactam

Concen: 38.776 ng

RT: 11.490 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:113 Resp: 136092

Ion Ratio Lower Upper

113 100

55 156.6 140.0 180.0

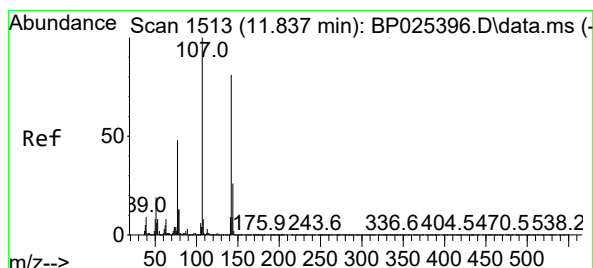
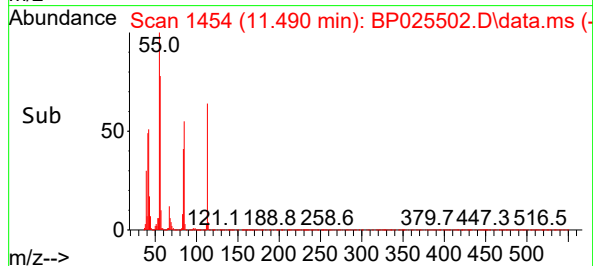
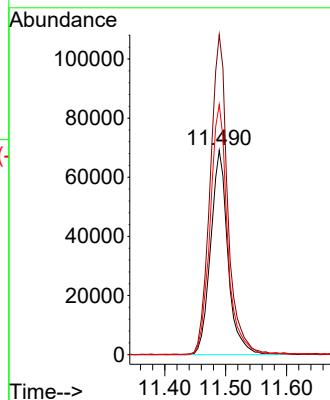
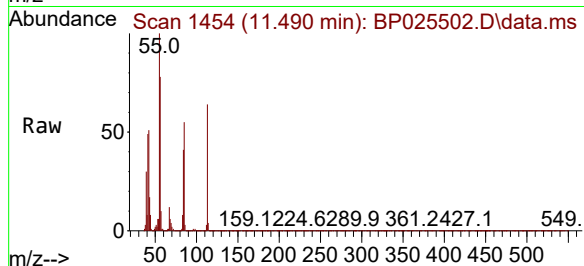
56 122.4 100.0 140.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#36

4-Chloro-3-methylphenol

Concen: 40.195 ng

RT: 11.831 min Scan# 1512

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

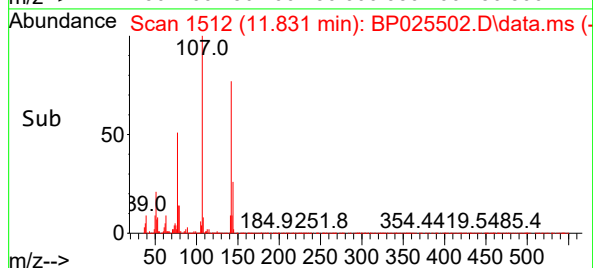
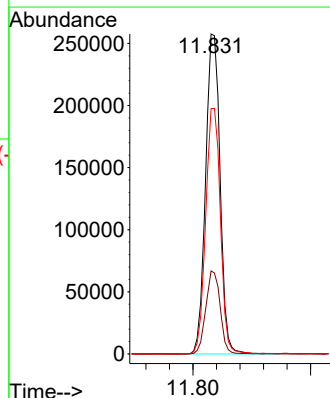
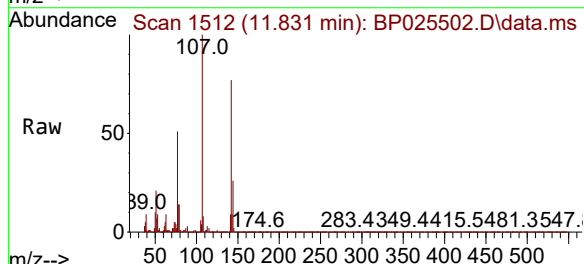
Tgt Ion:107 Resp: 441463

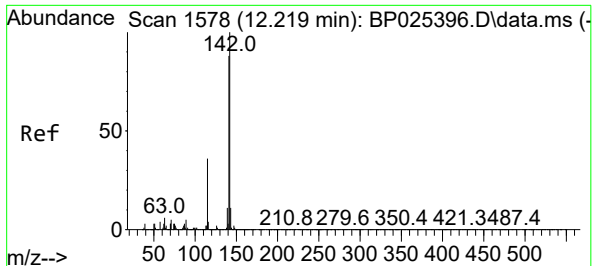
Ion Ratio Lower Upper

107 100

144 26.0 21.0 31.4

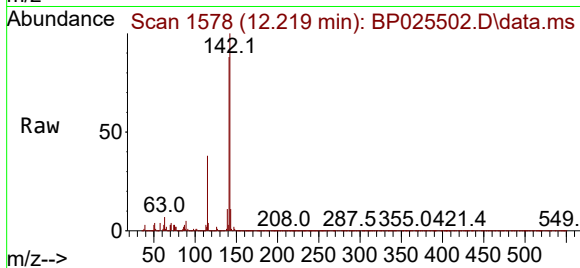
142 76.7 64.6 97.0





#37
2-Methylnaphthalene
Concen: 38.714 ng
RT: 12.219 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

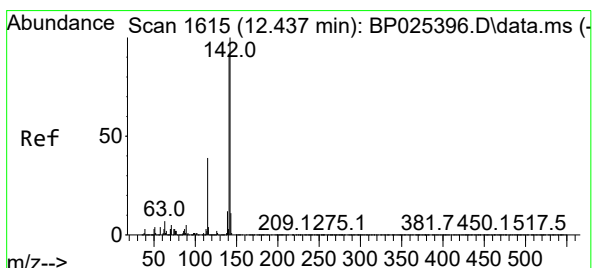
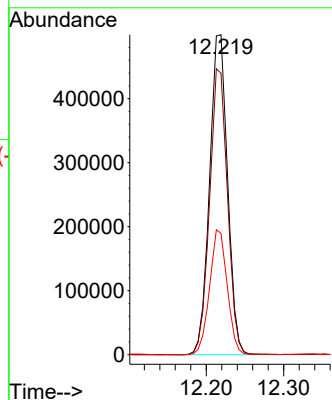
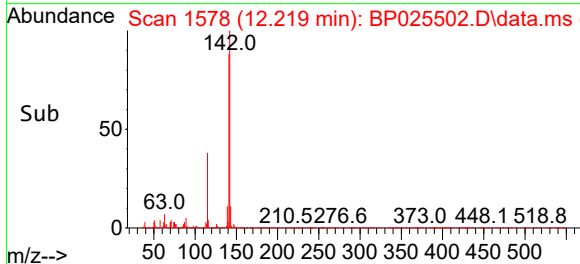
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



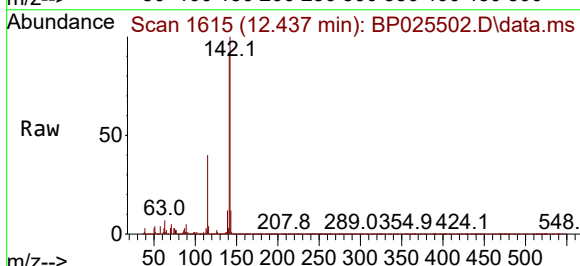
Tgt Ion:142 Resp: 80915
Ion Ratio Lower Upper
142 100
141 88.0 70.3 105.5
115 37.9 28.9 43.3

Manual Integrations
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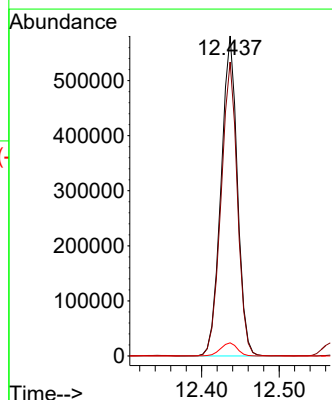
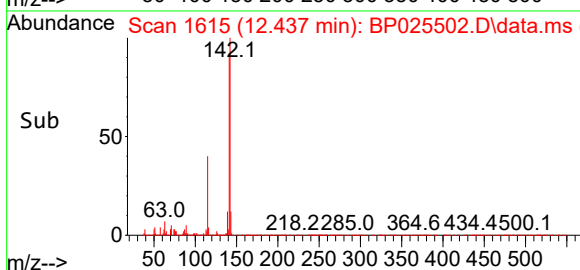
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

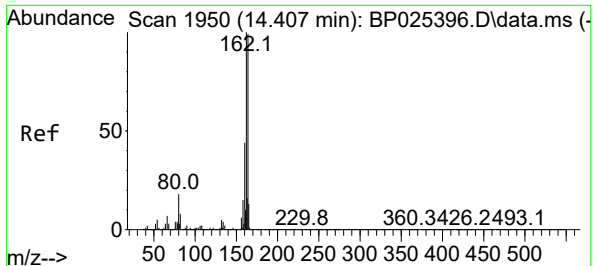


#38
1-Methylnaphthalene
Concen: 38.296 ng
RT: 12.437 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



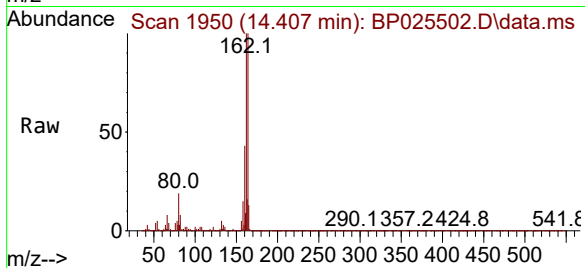
Tgt Ion:142 Resp: 851212
Ion Ratio Lower Upper
142 100
141 91.8 73.1 109.7
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

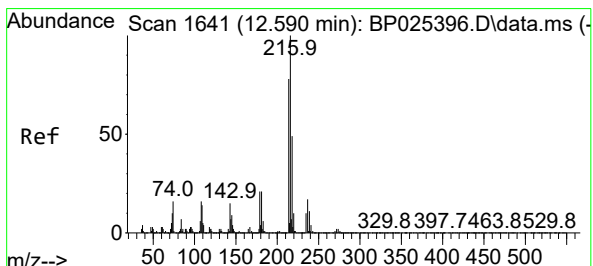
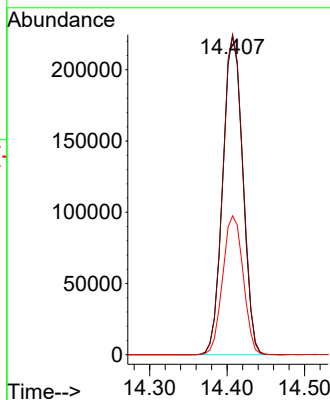
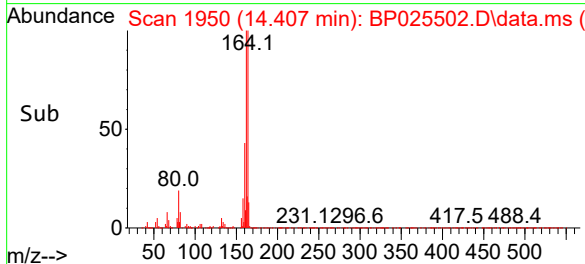
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



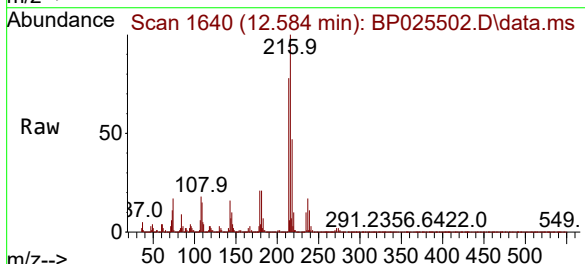
Tgt Ion:164 Resp: 40033
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.6
160 43.6 35.4 53.2

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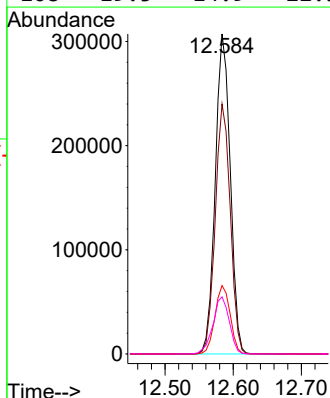
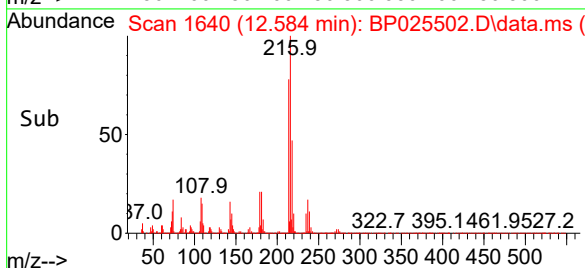
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

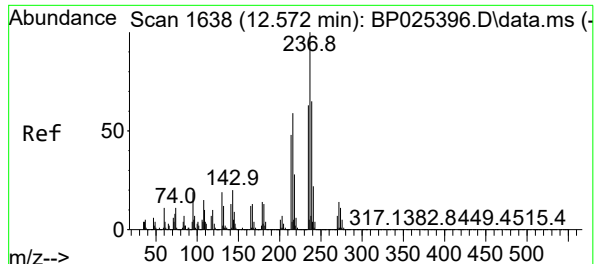


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.579 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



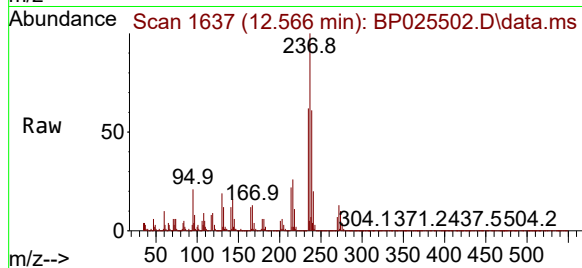
Tgt Ion:216 Resp: 469176
Ion Ratio Lower Upper
216 100
214 78.4 63.0 94.4
179 21.7 17.1 25.7
108 19.5 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 41.746 ng
RT: 12.566 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

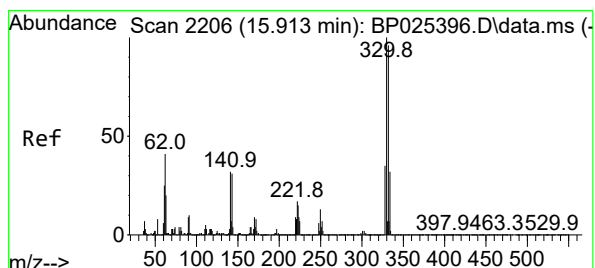
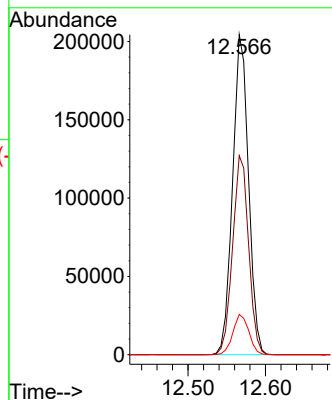
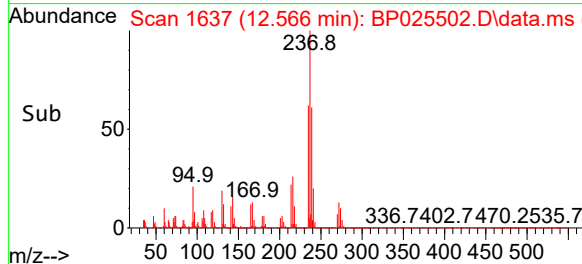
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



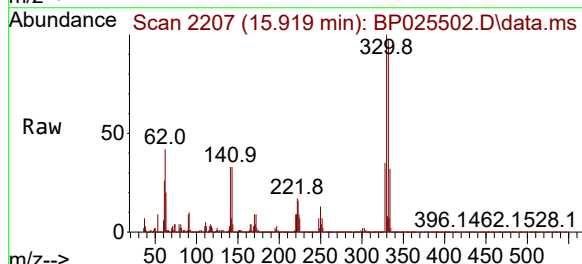
Tgt Ion: 237 Resp: 291550
Ion Ratio Lower Upper
237 100
235 62.2 42.7 82.7
272 12.6 0.0 34.0

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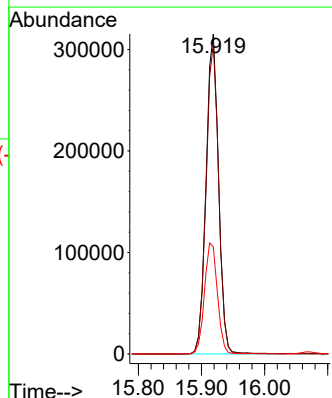
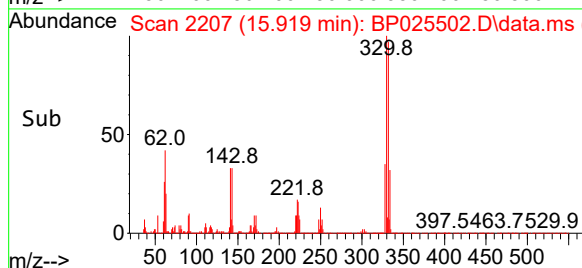
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

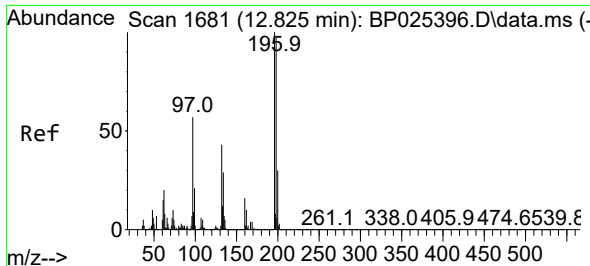


#42
2,4,6-Tribromophenol
Concen: 80.580 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



Tgt Ion: 330 Resp: 434204
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 36.0 26.6 39.8





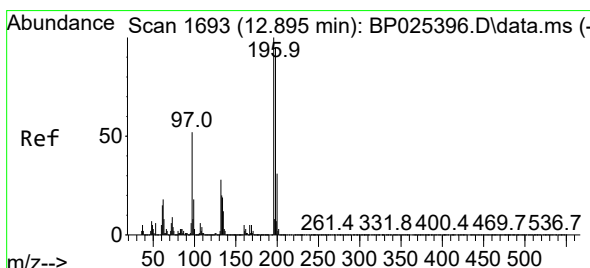
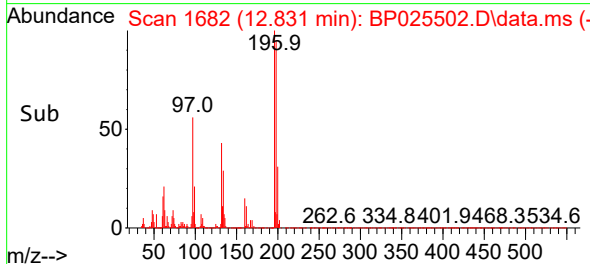
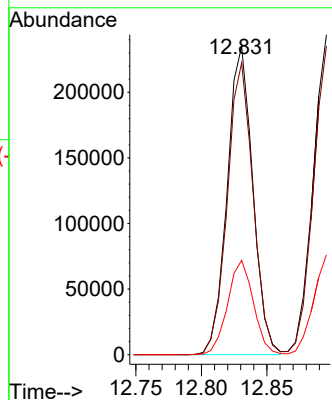
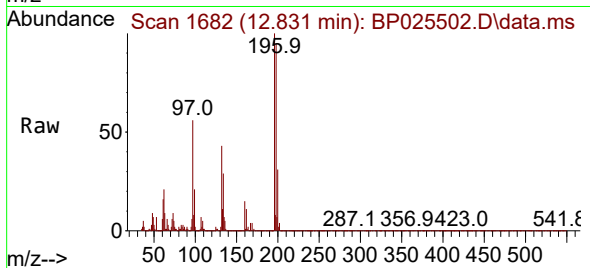
#43
2,4,6-Trichlorophenol
Concen: 40.907 ng
RT: 12.831 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 31930
Ion Ratio Lower Upper
196 100
198 94.6 77.2 115.8
200 30.6 23.9 35.9

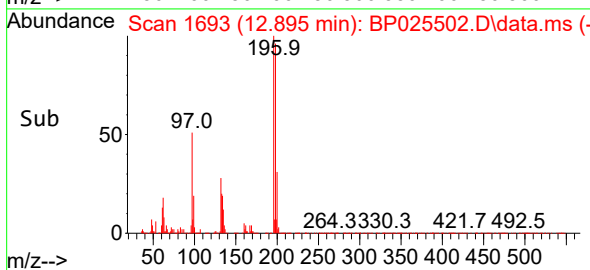
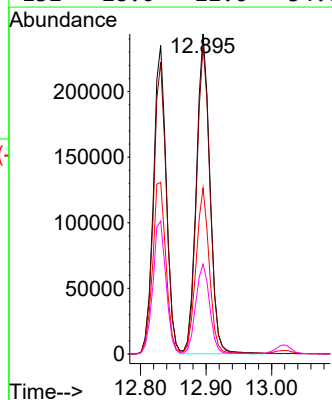
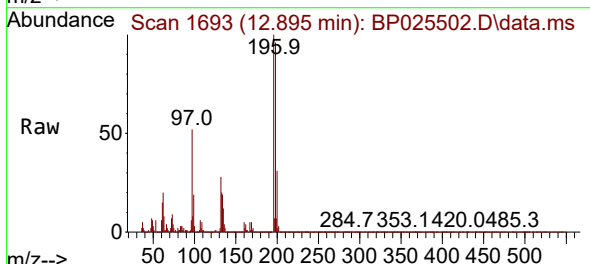
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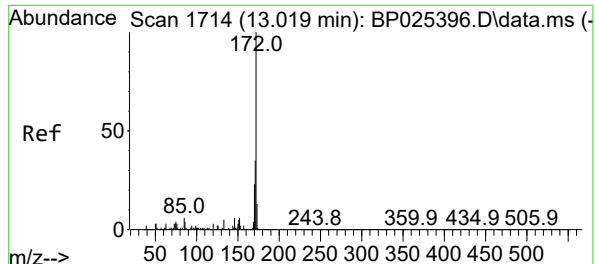
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#44
2,4,5-Trichlorophenol
Concen: 41.026 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:196 Resp: 350964
Ion Ratio Lower Upper
196 100
198 96.4 76.2 114.2
97 51.9 41.2 61.8
132 28.0 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 79.531 ng

RT: 13.019 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:172 Resp: 232962

Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

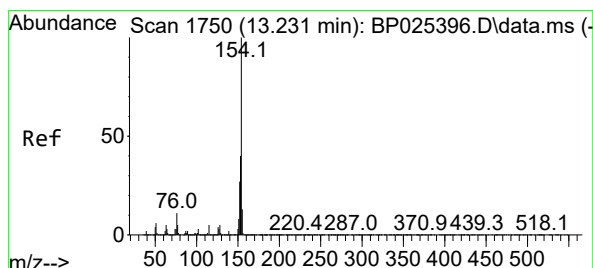
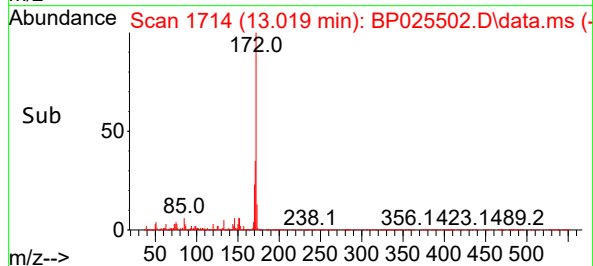
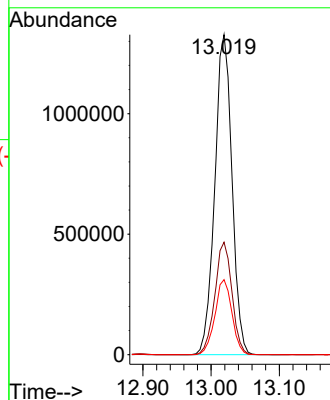
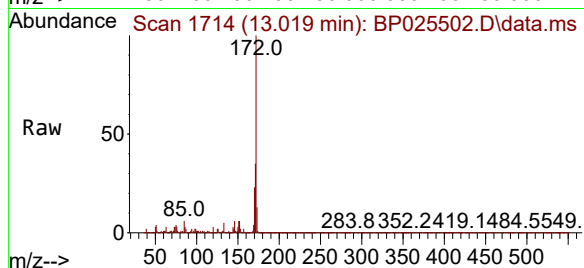
170 23.5 18.6 28.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#46

1,1'-Biphenyl

Concen: 39.678 ng

RT: 13.225 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

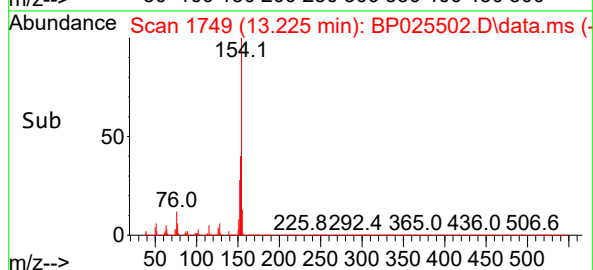
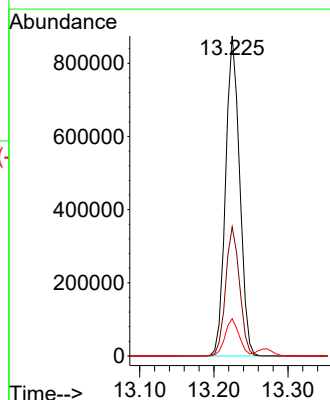
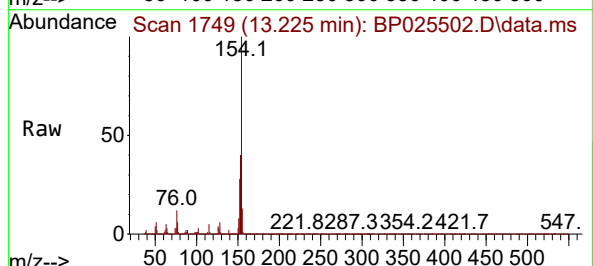
Tgt Ion:154 Resp: 1153599

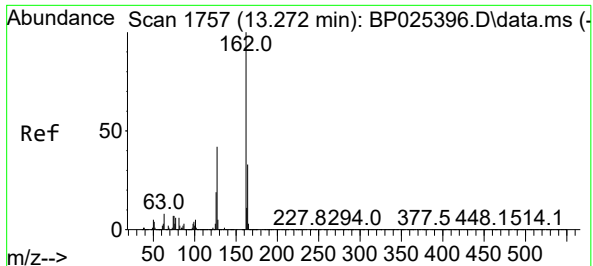
Ion Ratio Lower Upper

154 100

153 40.3 19.5 59.5

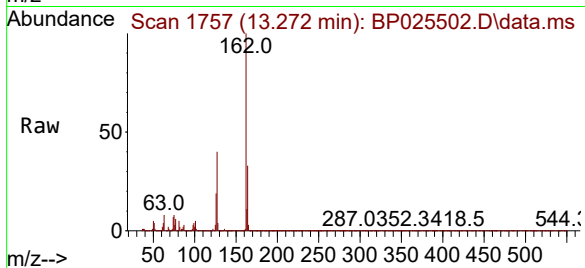
76 11.7 0.0 31.1





#47
2-Chloronaphthalene
Concen: 39.783 ng
RT: 13.272 min Scan# 1757
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

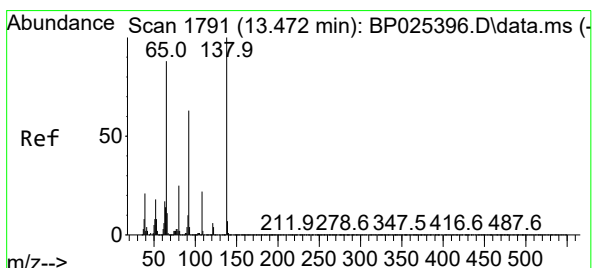
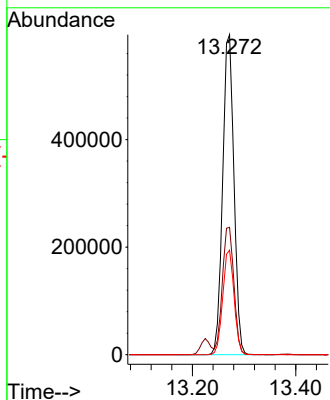
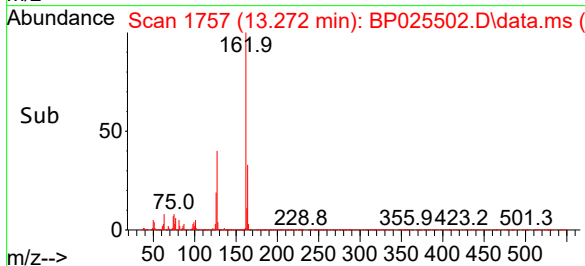
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



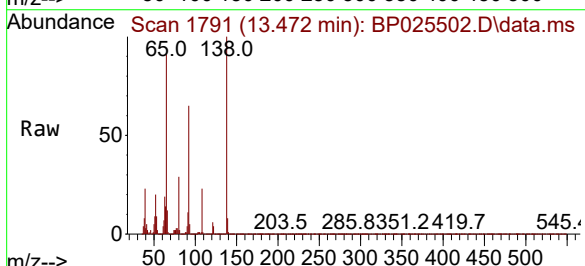
Tgt Ion: 162 Resp: 900445
Ion Ratio Lower Upper
162 100
127 39.8 33.4 50.2
164 32.7 26.2 39.2

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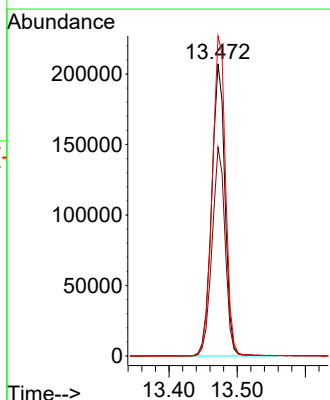
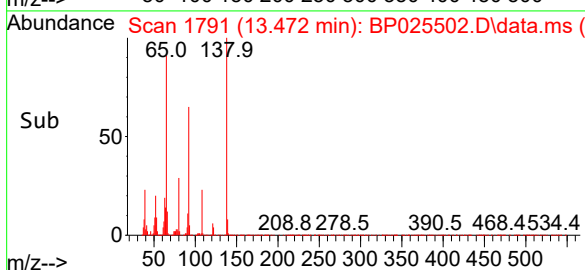
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

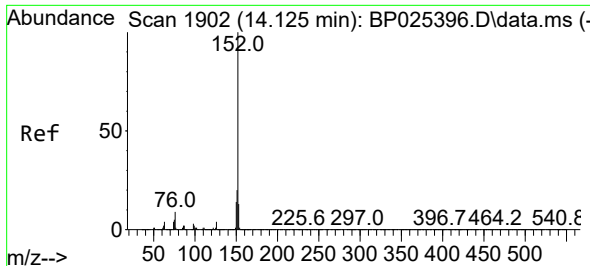


#48
2-Nitroaniline
Concen: 42.727 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



Tgt Ion: 65 Resp: 281785
Ion Ratio Lower Upper
65 100
92 71.4 57.6 86.4
138 109.5 91.0 136.6





#49

Acenaphthylene

Concen: 39.860 ng

RT: 14.125 min Scan# 1902

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:152 Resp: 149287

Ion Ratio Lower Upper

152 100

151 19.9 16.0 24.0

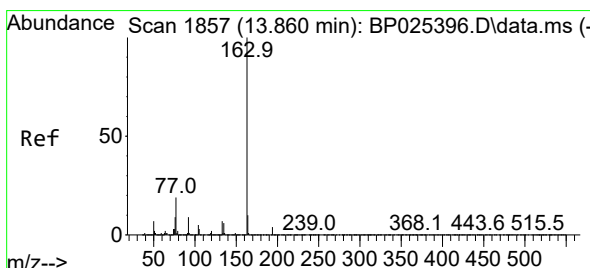
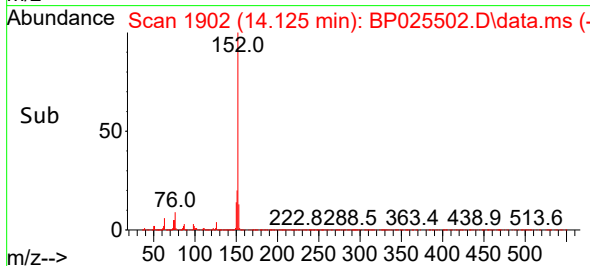
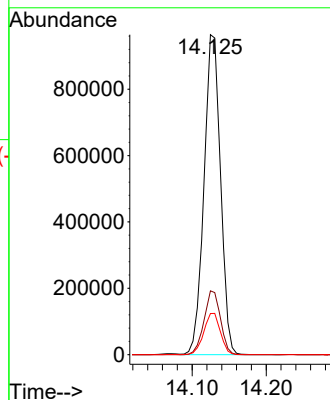
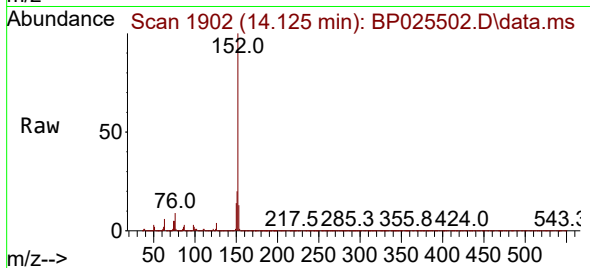
153 12.8 10.6 15.8

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#50

Dimethylphthalate

Concen: 39.744 ng

RT: 13.854 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

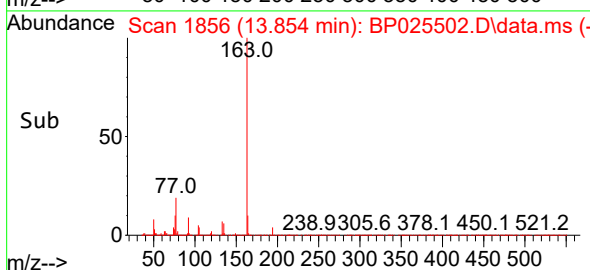
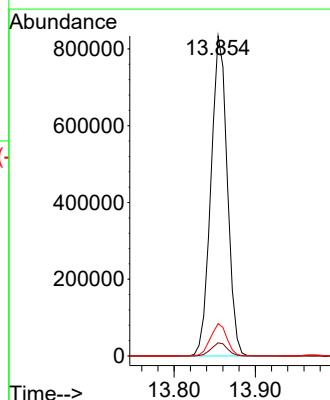
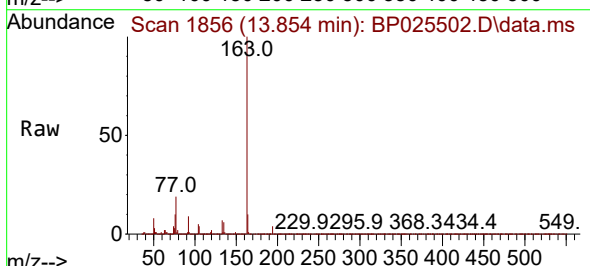
Tgt Ion:163 Resp: 1165139

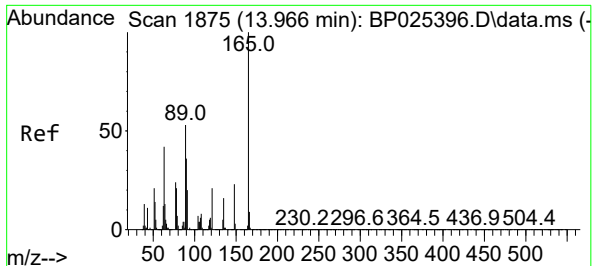
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

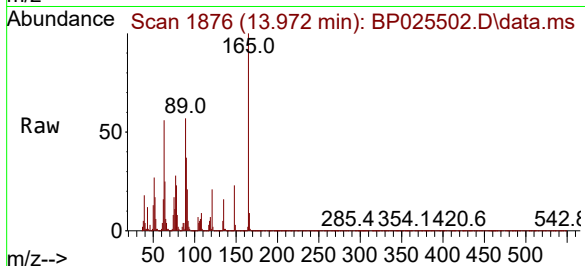
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 41.073 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

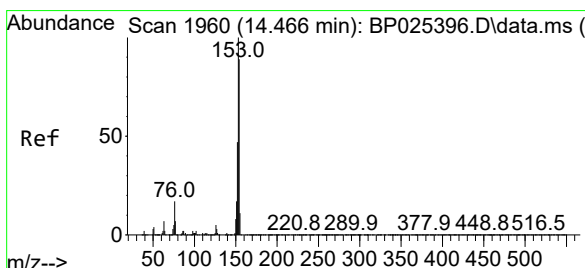
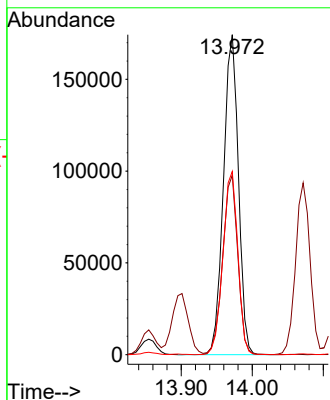
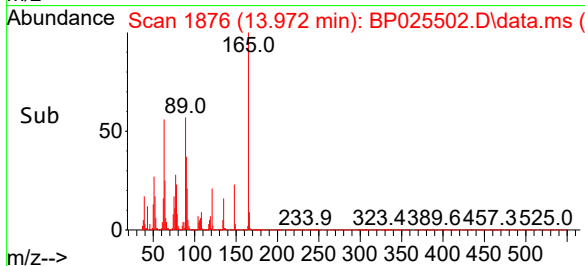
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



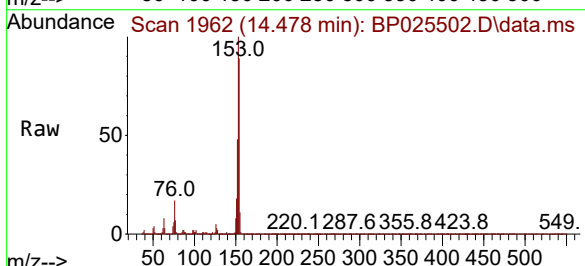
Tgt Ion:165 Resp: 25378
Ion Ratio Lower Upper
165 100
63 56.1 40.9 61.3
89 57.3 42.1 63.1

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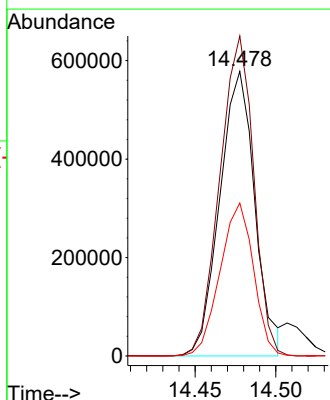
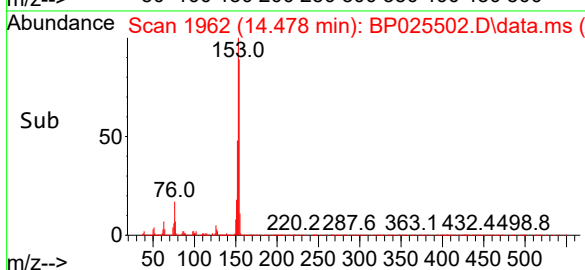
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

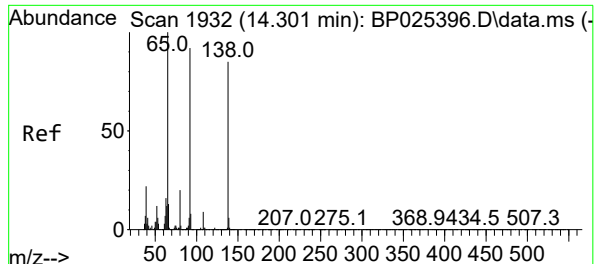


#52
Acenaphthene
Concen: 39.710 ng m
RT: 14.478 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



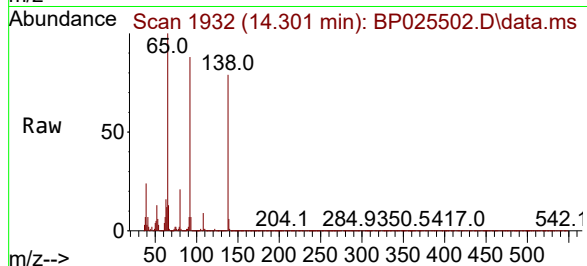
Tgt Ion:154 Resp: 872980
Ion Ratio Lower Upper
154 100
153 112.4 90.2 135.2
152 53.8 42.1 63.1





#53
3-Nitroaniline
Concen: 41.043 ng
RT: 14.301 min Scan# 1932
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

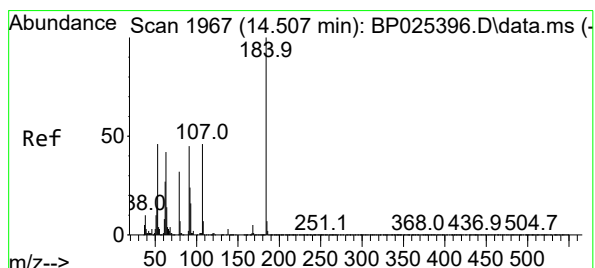
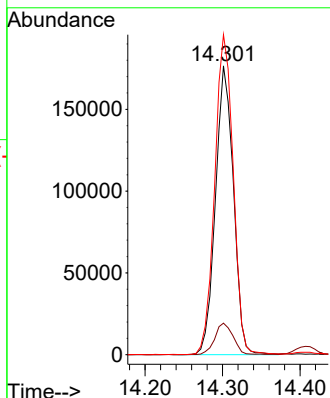
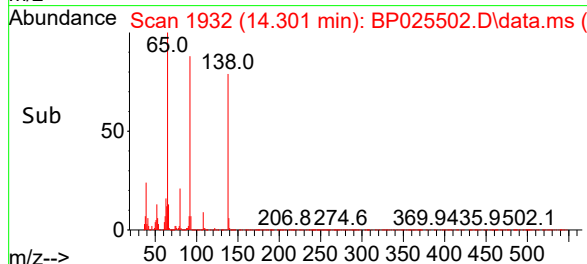
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:138 Resp: 28532
Ion Ratio Lower Upper
138 100
108 10.9 8.3 12.5
92 110.8 86.2 129.2

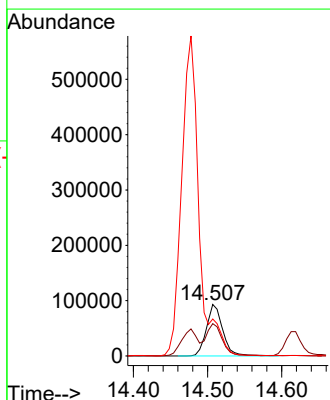
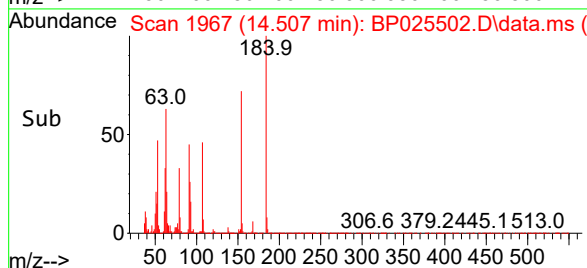
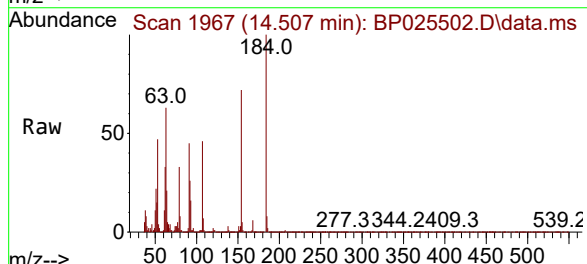
Manual Integrations
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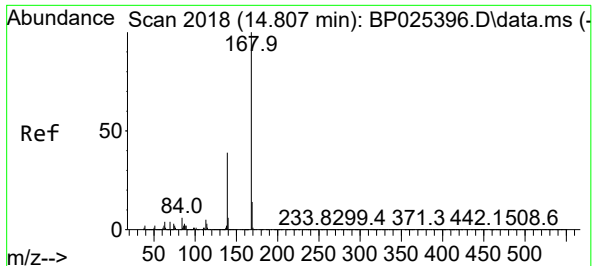
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#54
2,4-Dinitrophenol
Concen: 43.128 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:184 Resp: 142309
Ion Ratio Lower Upper
184 100
63 62.8 49.4 74.2
154 71.8 54.6 82.0





#55

Dibenzenofuran

Concen: 39.226 ng

RT: 14.813 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:168 Resp: 136338

Ion Ratio Lower Upper

168 100

139 40.6 31.5 47.3

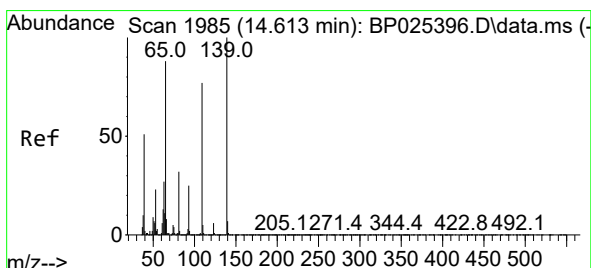
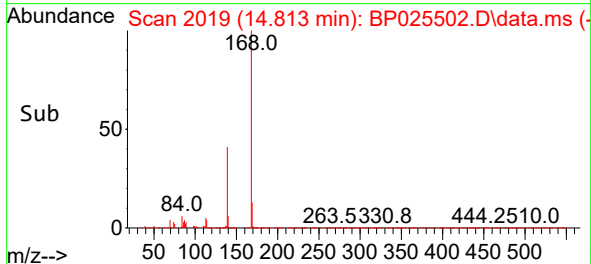
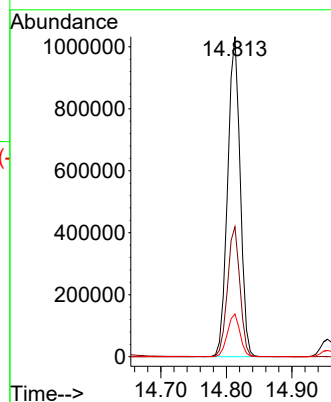
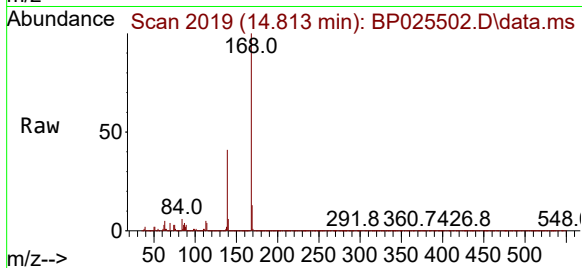
169 13.3 10.9 16.3

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#56

4-Nitrophenol

Concen: 40.538 ng

RT: 14.619 min Scan# 1986

Delta R.T. 0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

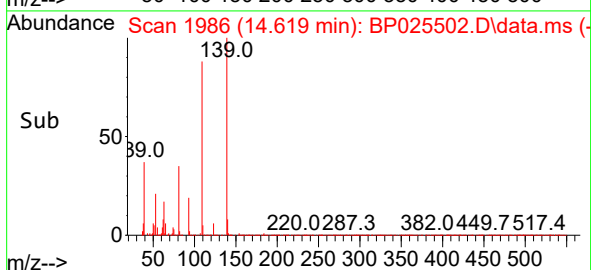
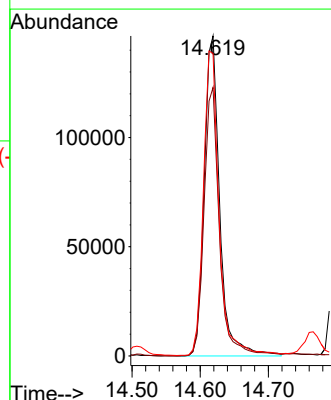
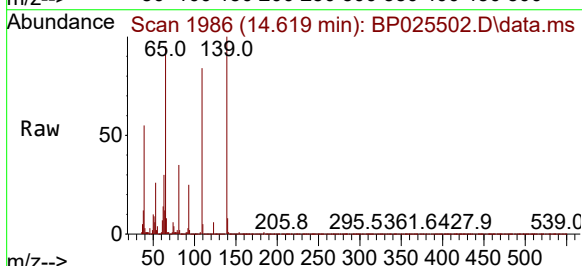
Tgt Ion:139 Resp: 231578

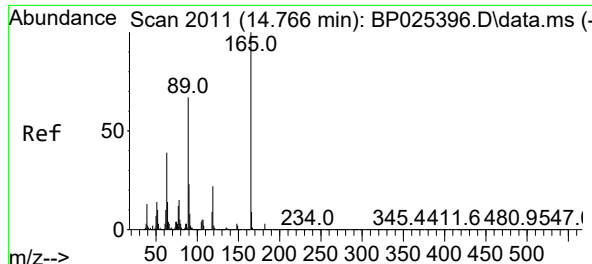
Ion Ratio Lower Upper

139 100

109 83.9 56.6 96.6

65 94.5 68.2 108.2





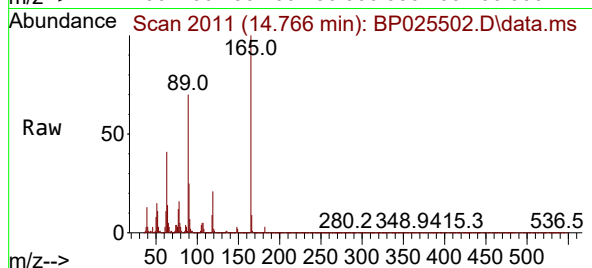
#57
2,4-Dinitrotoluene
Concen: 41.459 ng
RT: 14.766 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

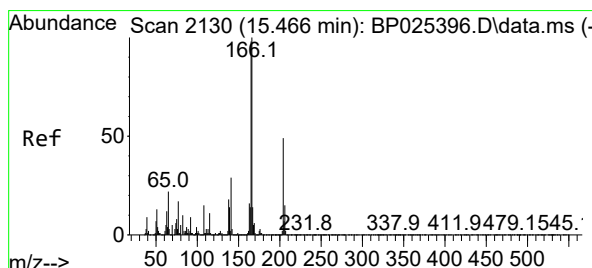
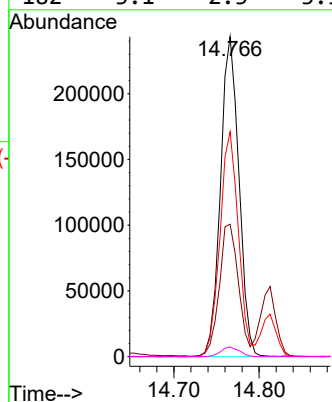
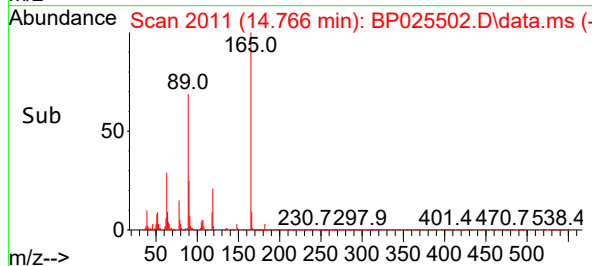


Tgt Ion:165 Resp: 365490
Ion Ratio Lower Upper
165 100
63 41.4 31.4 47.2
89 70.3 53.3 79.9
182 3.1 2.3 3.5

Manual Integrations
APPROVED

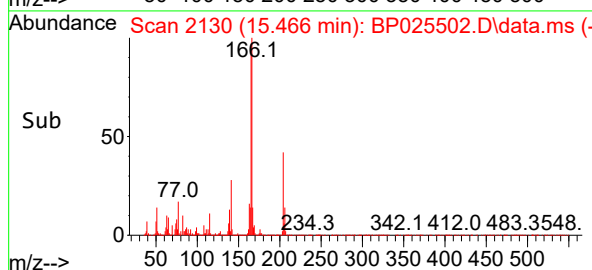
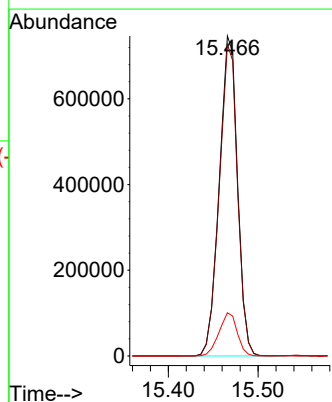
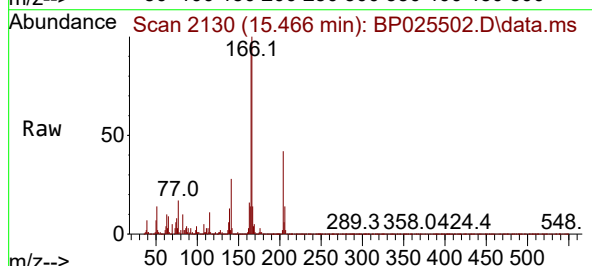
Reviewed By :Rahul Chavli 08/20/2025

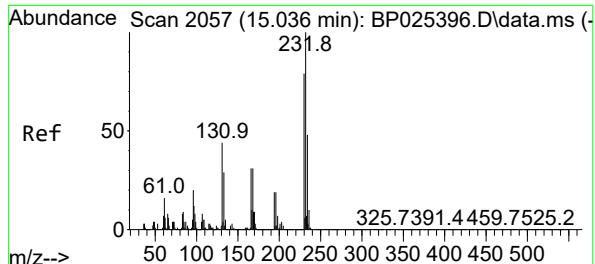
Supervised By :Jagrut Upadhyay 08/21/2025



#58
Fluorene
Concen: 38.412 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

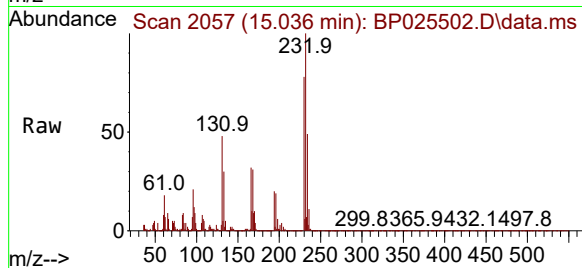
Tgt Ion:166 Resp: 1053490
Ion Ratio Lower Upper
166 100
165 97.4 78.8 118.2
167 13.5 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.574 ng
RT: 15.036 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

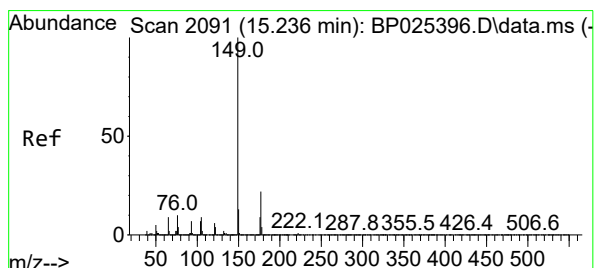
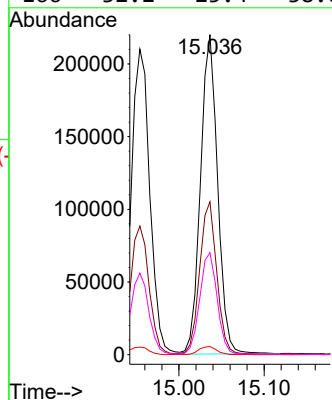
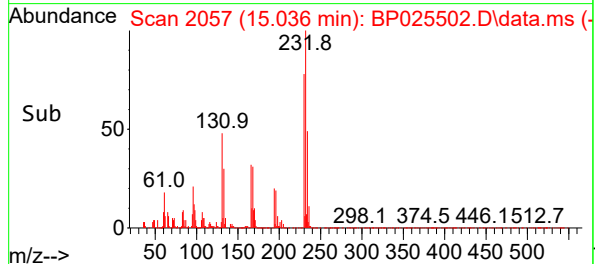
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



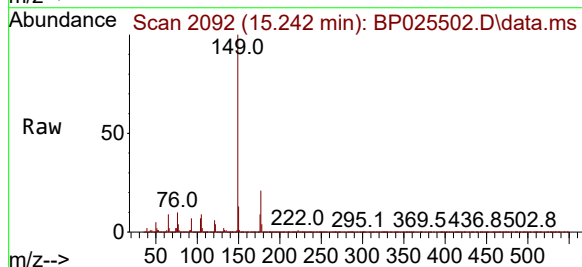
Tgt Ion:232 Resp: 306484
Ion Ratio Lower Upper
232 100
131 47.8 37.0 55.6
130 2.6 1.9 2.9
166 32.2 25.4 38.0

Manual Integrations
APPROVED

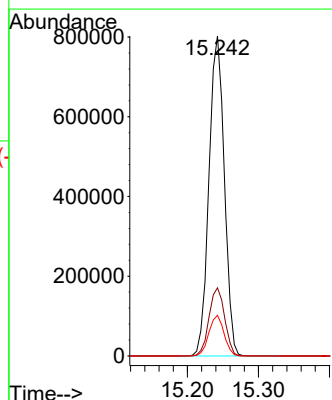
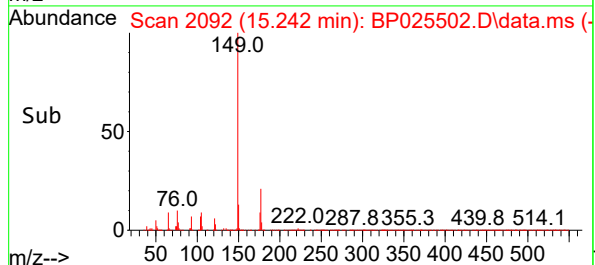
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

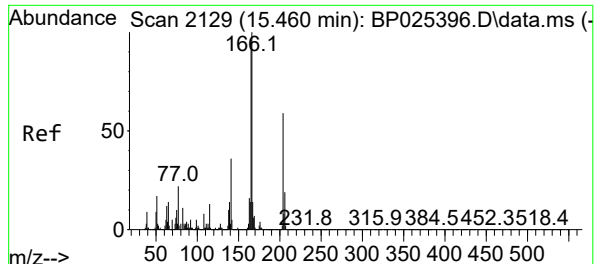


#60
Diethylphthalate
Concen: 40.513 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



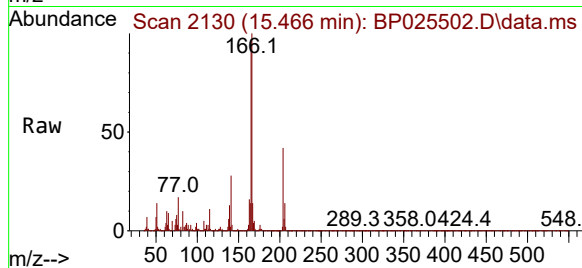
Tgt Ion:149 Resp: 1206790
Ion Ratio Lower Upper
149 100
177 21.3 17.3 25.9
150 12.7 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 38.934 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

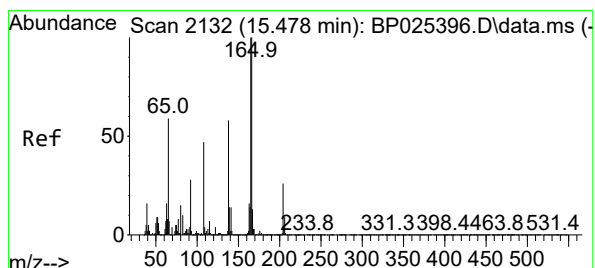
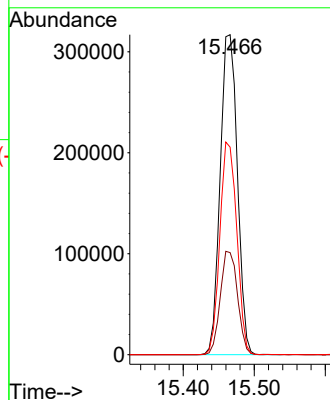
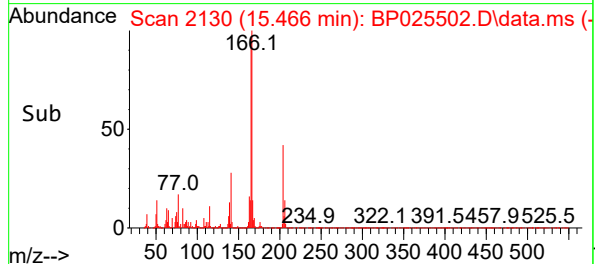
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



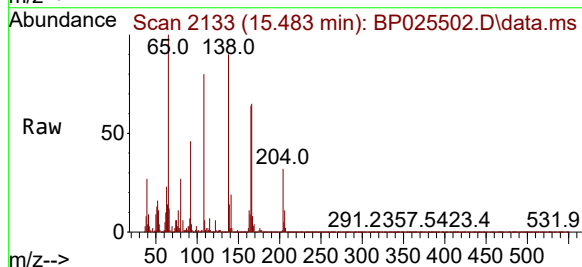
Tgt Ion: 204 Resp: 531050
Ion Ratio Lower Upper
204 100
206 31.9 25.8 38.8
141 64.8 49.4 74.2

Manual Integrations
APPROVED

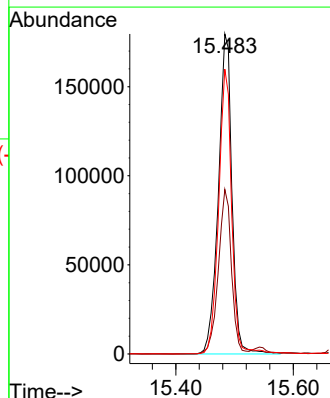
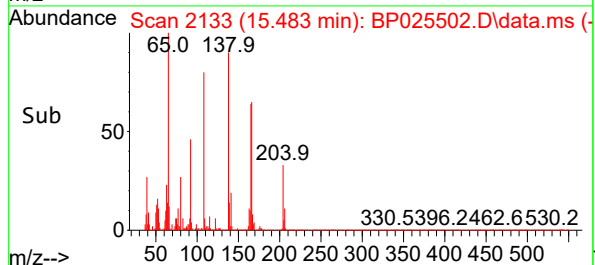
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

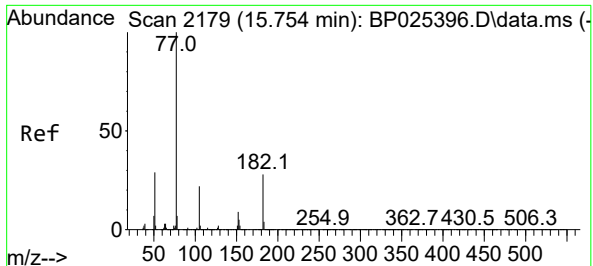


#62
4-Nitroaniline
Concen: 40.530 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



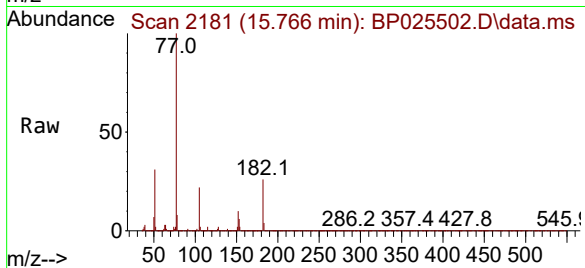
Tgt Ion: 138 Resp: 288849
Ion Ratio Lower Upper
138 100
92 51.4 29.1 69.1
108 89.0 61.5 101.5





#63
Azobenzene
Concen: 42.199 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

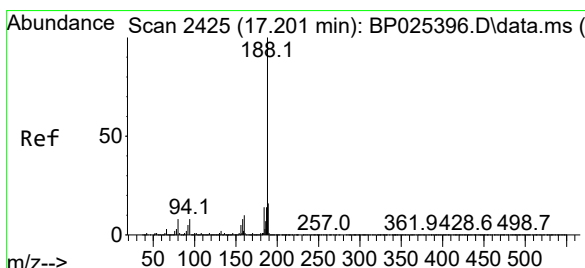
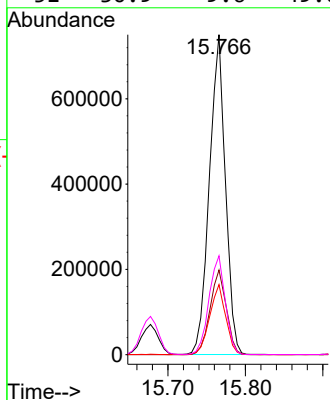
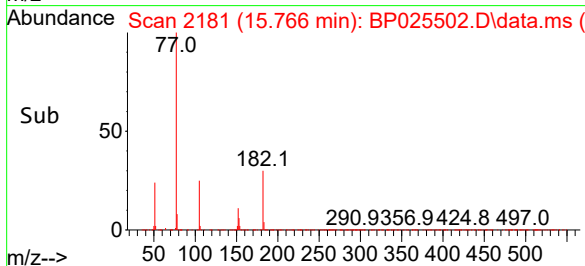
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



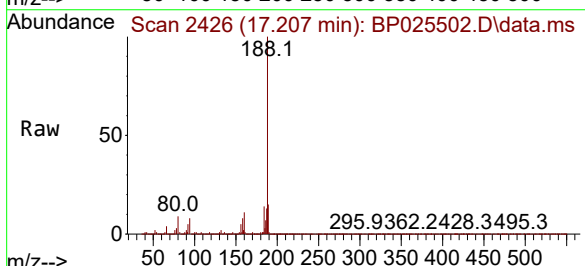
Tgt Ion: 77 Resp: 1076340
Ion Ratio Lower Upper
77 100
182 26.4 7.5 47.5
105 21.9 2.1 42.1
51 30.9 9.6 49.6

Manual Integrations
APPROVED

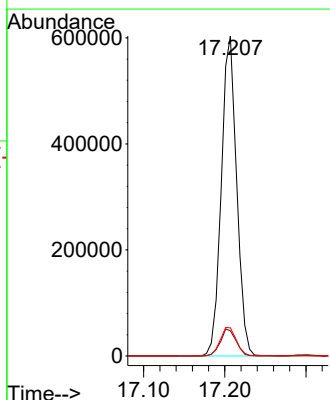
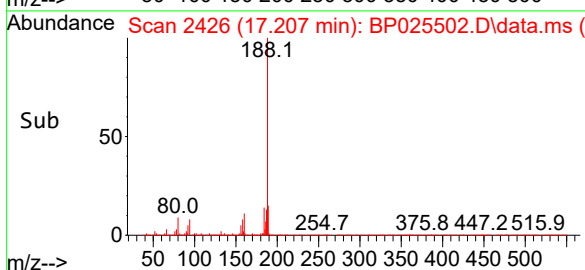
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

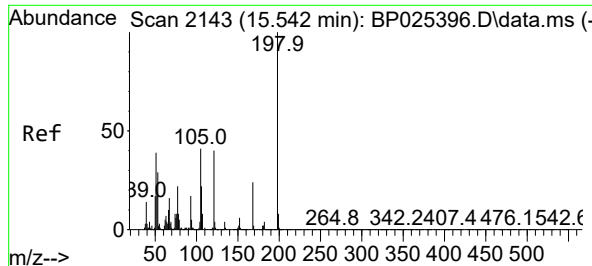


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



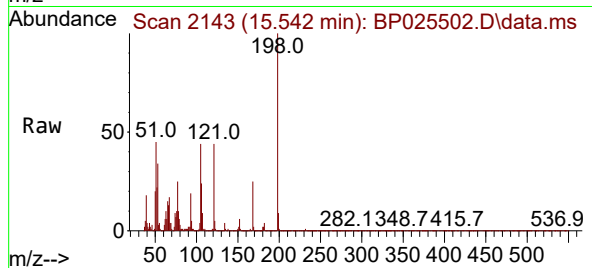
Tgt Ion:188 Resp: 794586
Ion Ratio Lower Upper
188 100
94 7.8 6.6 10.0
80 8.8 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 41.917 ng
RT: 15.542 min Scan# 2143
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

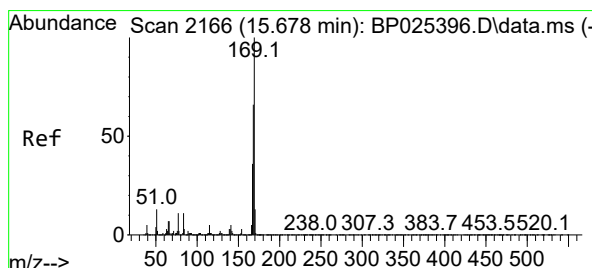
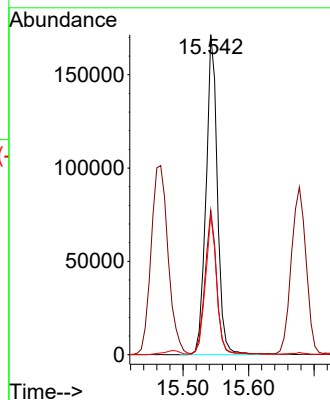
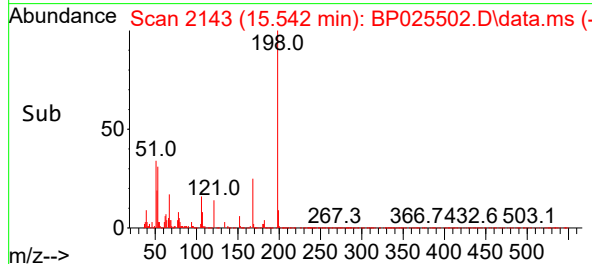
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:198 Resp: 20761
Ion Ratio Lower Upper
198 100
51 45.1 19.6 59.6
105 43.8 20.9 60.9

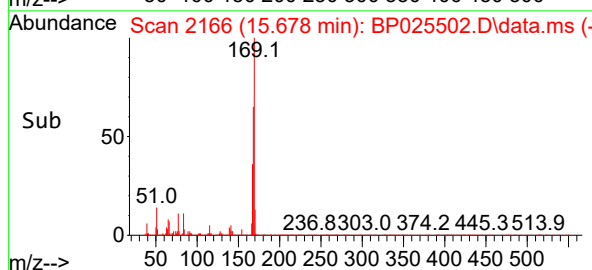
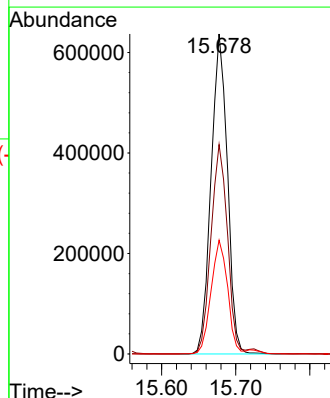
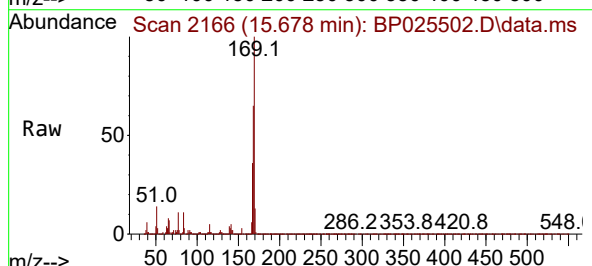
Manual Integrations
APPROVED

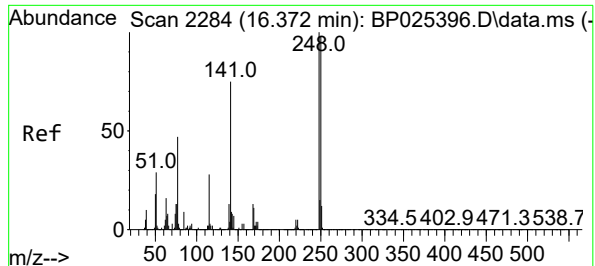
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#66
n-Nitrosodiphenylamine
Concen: 40.171 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

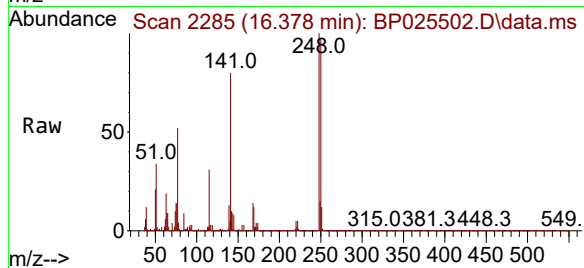
Tgt Ion:169 Resp: 973360
Ion Ratio Lower Upper
169 100
168 65.4 53.2 79.8
167 35.6 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 40.268 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

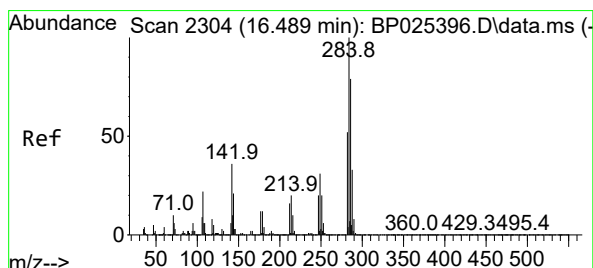
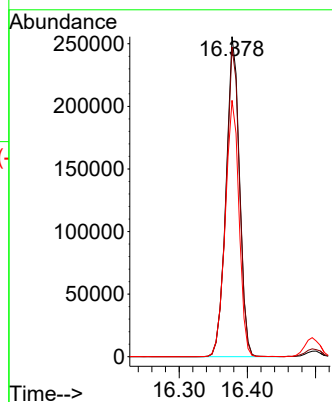
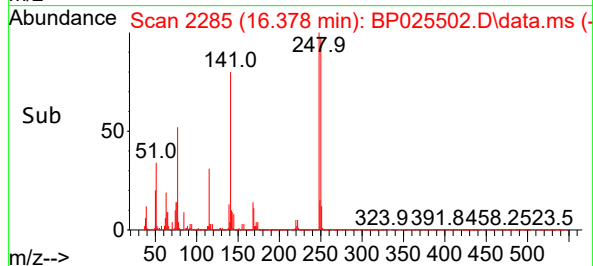
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



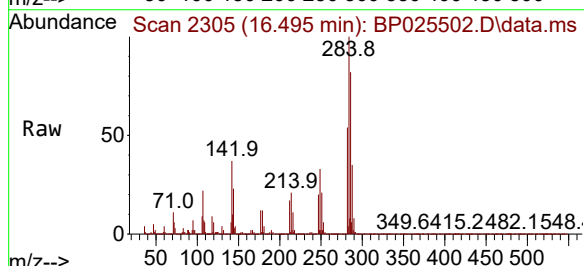
Tgt Ion: 248 Resp: 351898
Ion Ratio Lower Upper
248 100
250 96.8 78.2 117.2
141 80.1 59.6 89.4

Manual Integrations
APPROVED

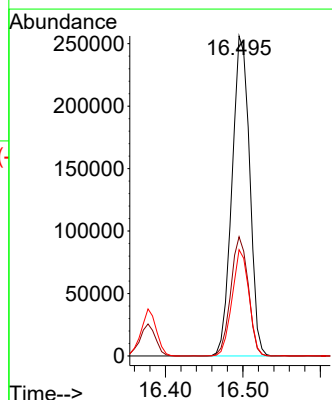
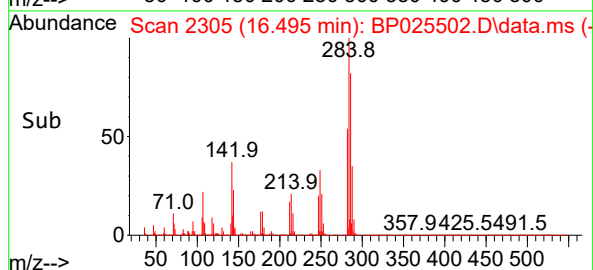
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

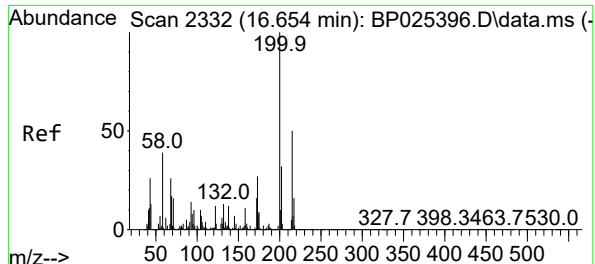


#68
Hexachlorobenzene
Concen: 39.919 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



Tgt Ion: 284 Resp: 404392
Ion Ratio Lower Upper
284 100
142 37.3 29.1 43.7
249 33.2 25.0 37.4





#69

Atrazine

Concen: 40.186 ng

RT: 16.654 min Scan# 2332

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:200 Resp: 36465

Ion Ratio Lower Upper

200 100

173 26.9 6.7 46.7

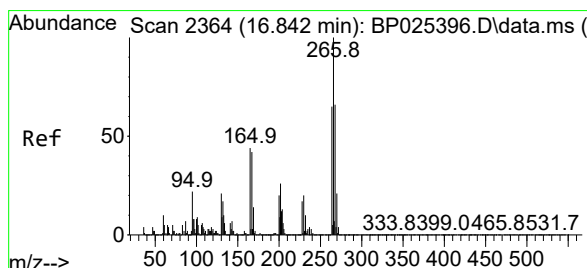
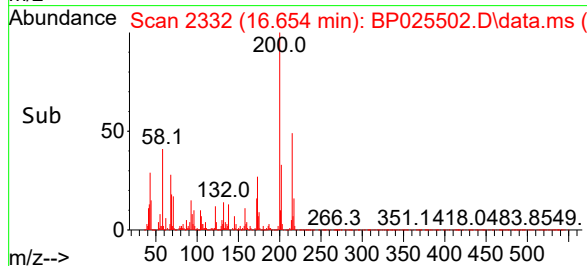
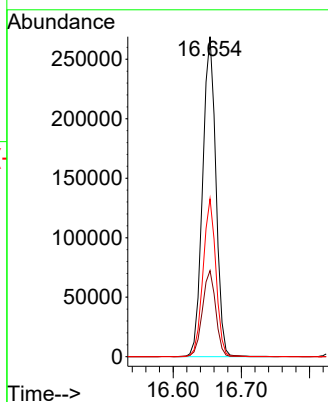
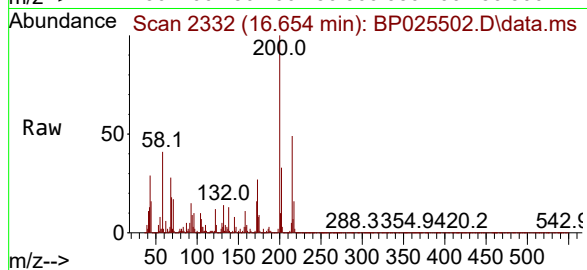
215 49.3 29.7 69.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#70

Pentachlorophenol

Concen: 42.449 ng

RT: 16.842 min Scan# 2364

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

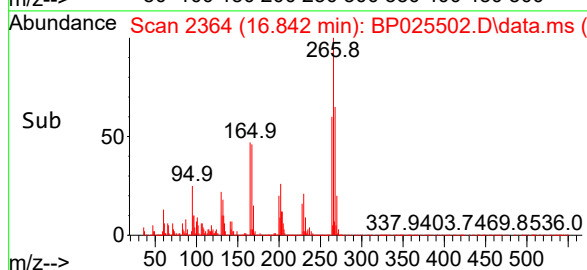
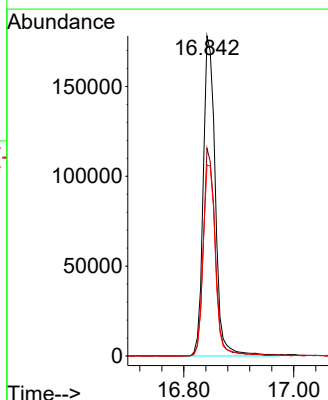
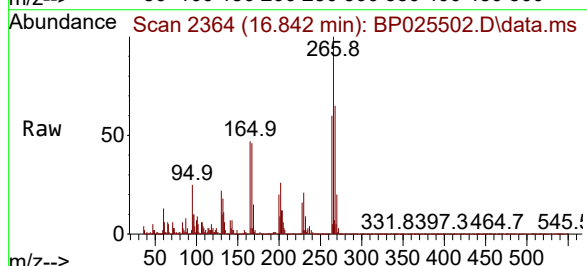
Tgt Ion:266 Resp: 271451

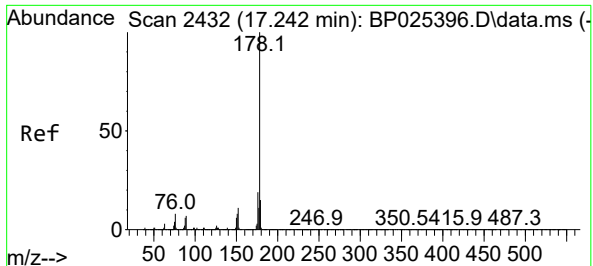
Ion Ratio Lower Upper

266 100

268 64.9 52.6 79.0

264 59.7 52.0 78.0





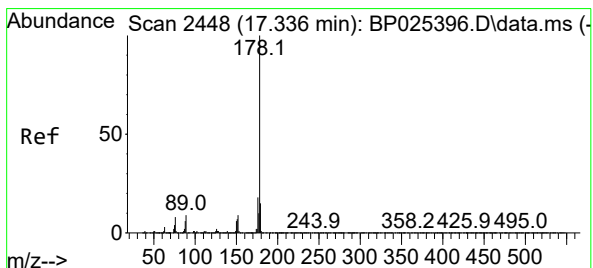
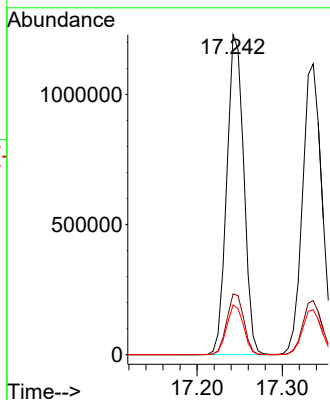
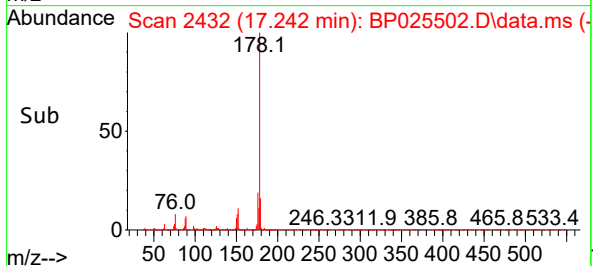
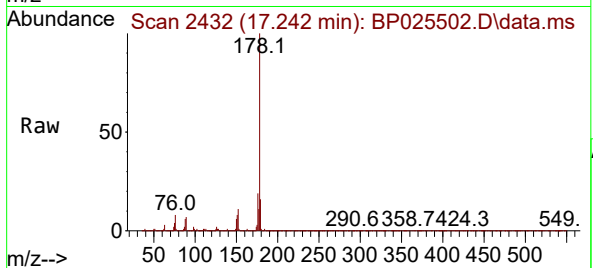
#71
Phenanthrene
Concen: 39.064 ng
RT: 17.242 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1705125
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.6 12.2 18.4

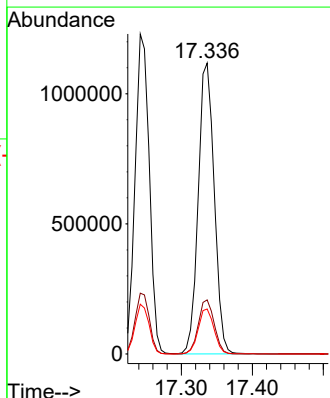
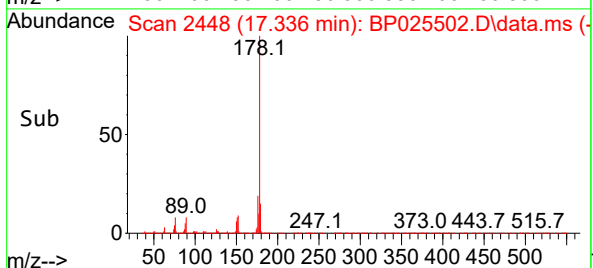
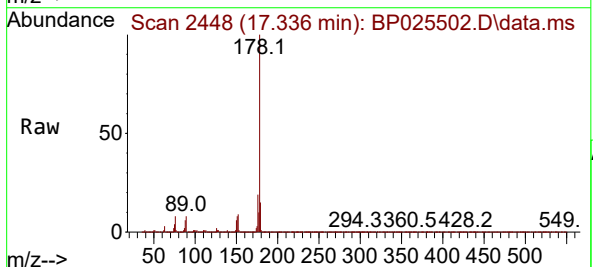
Manual Integrations
APPROVED

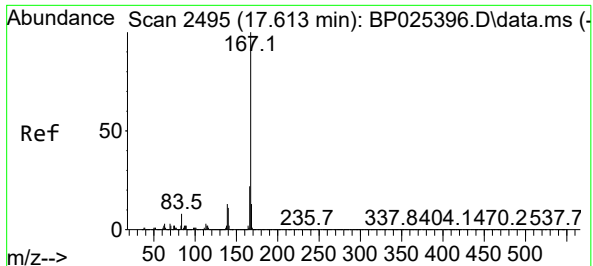
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#72
Anthracene
Concen: 39.365 ng
RT: 17.336 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

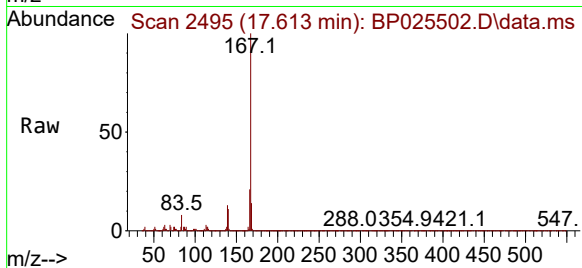
Tgt Ion:178 Resp: 1754702
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.5 12.2 18.2





#73
Carbazole
Concen: 39.300 ng
RT: 17.613 min Scan# 2495
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

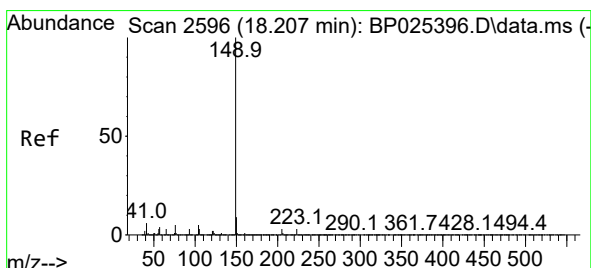
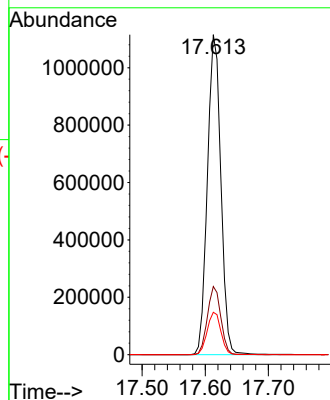
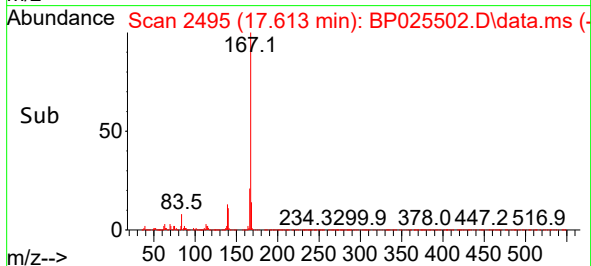
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:167 Resp: 1650038
Ion Ratio Lower Upper
167 100
166 21.3 17.5 26.3
139 13.3 10.6 16.0

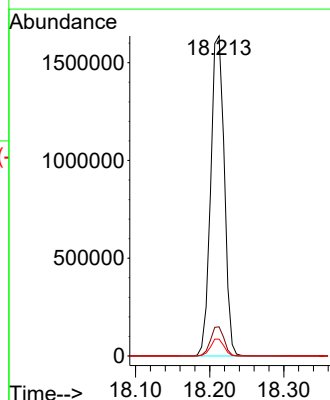
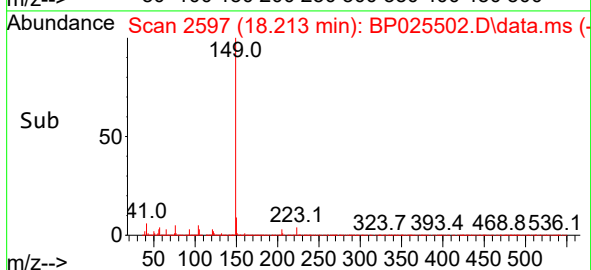
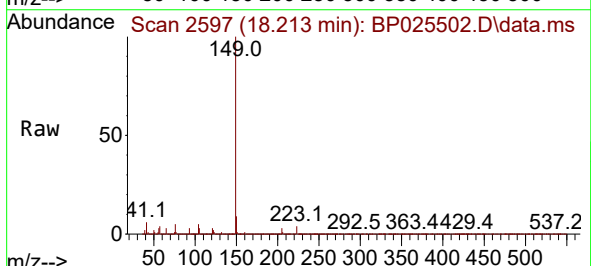
Manual Integrations
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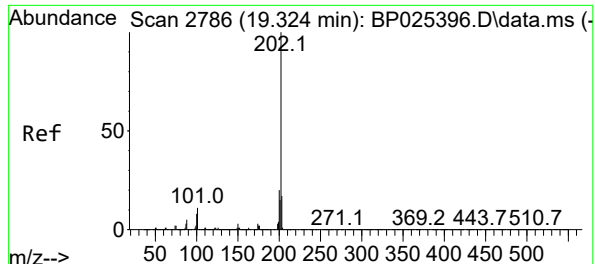
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#74
Di-n-butylphthalate
Concen: 40.373 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

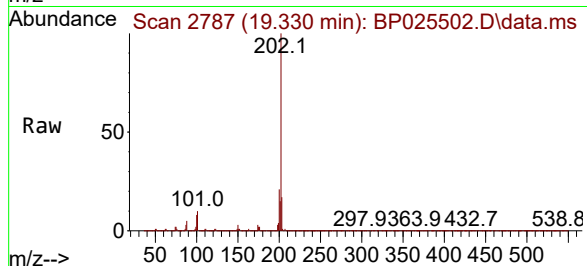
Tgt Ion:149 Resp: 2085492
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 39.528 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

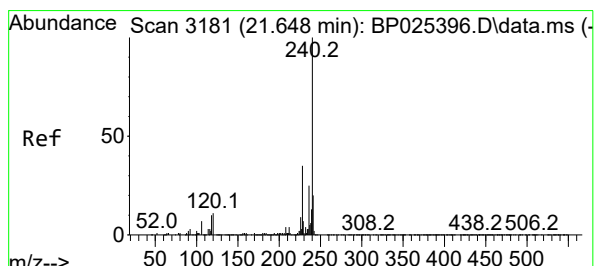
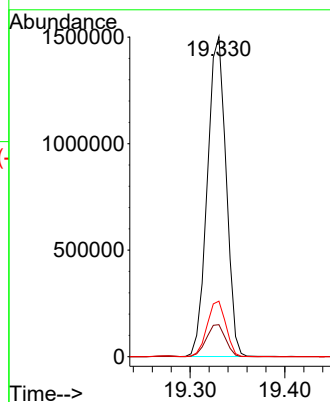
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion: 202 Resp: 205806
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.1
203 17.3 0.0 37.3

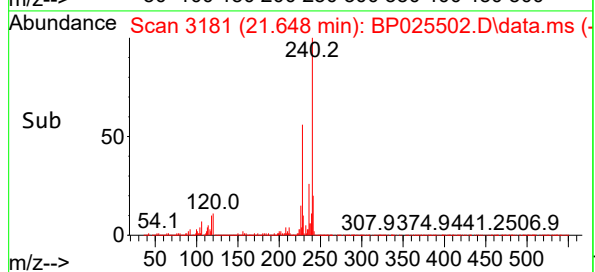
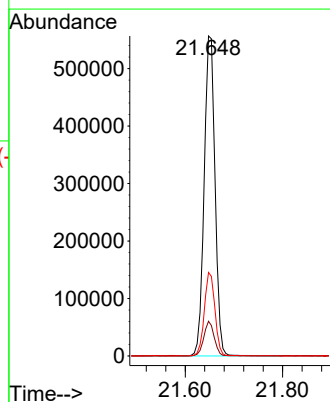
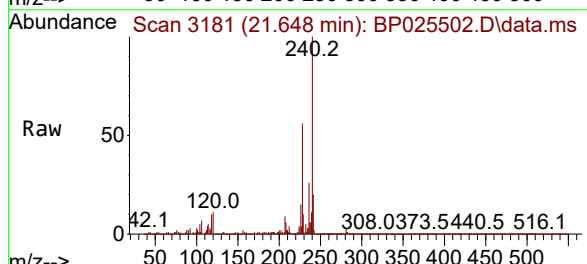
Manual Integrations
APPROVED

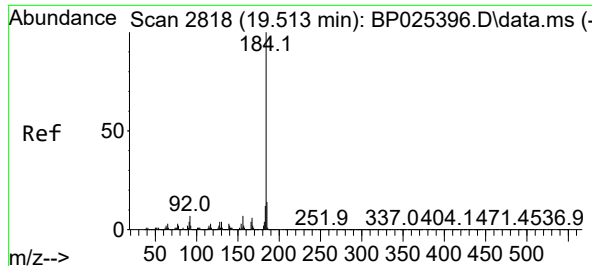
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

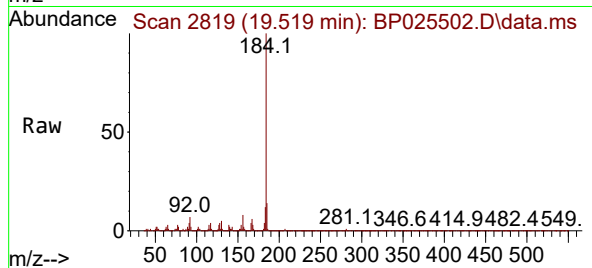
Tgt Ion: 240 Resp: 859938
Ion Ratio Lower Upper
240 100
120 10.8 8.9 13.3
236 26.1 19.8 29.8





#77
Benzidine
Concen: 32.893 ng
RT: 19.519 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

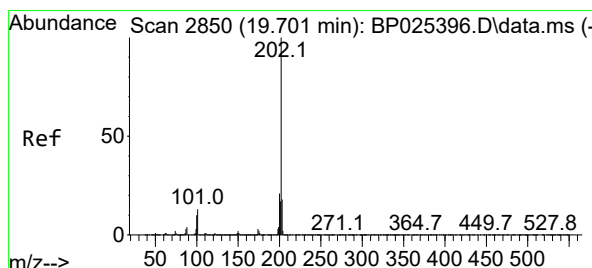
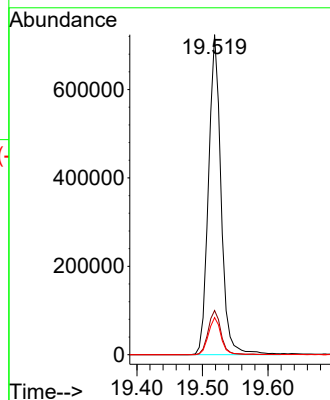
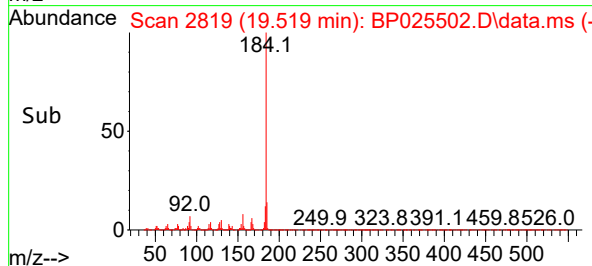
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



Tgt Ion:184 Resp: 965340
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 11.6 9.4 14.2

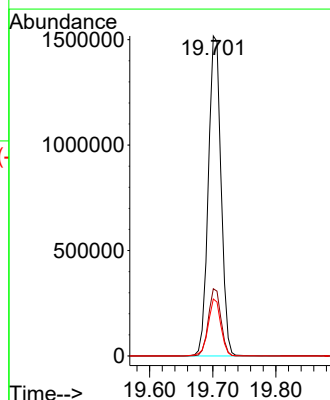
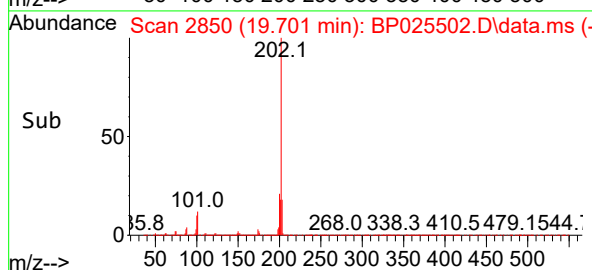
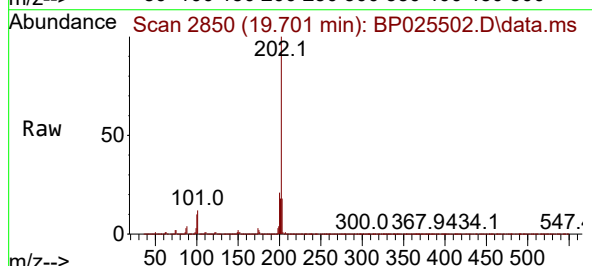
Manual Integrations
APPROVED

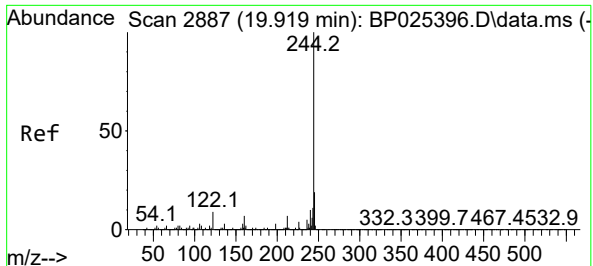
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#78
Pyrene
Concen: 37.983 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:202 Resp: 2123016
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.8 14.2 21.2





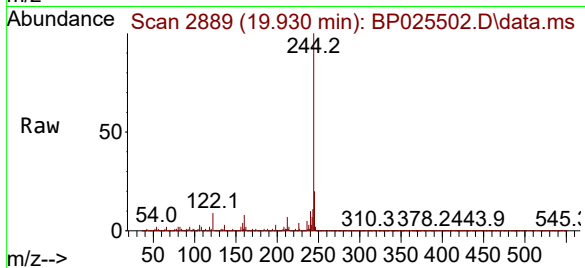
#79
Terphenyl-d14
Concen: 77.772 ng
RT: 19.930 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC



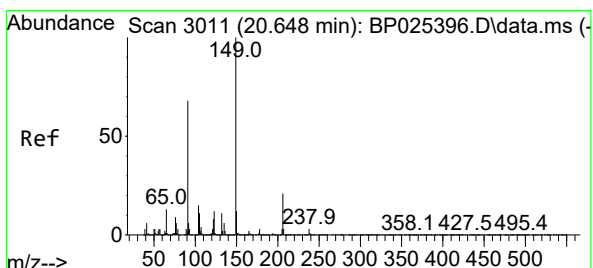
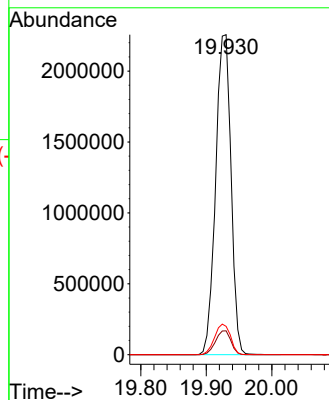
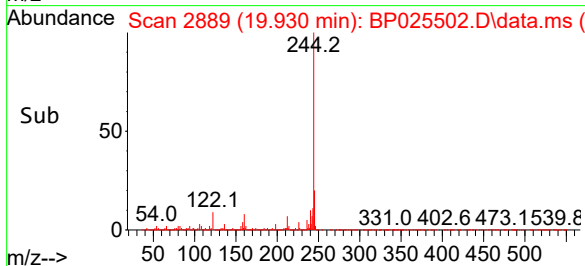
Tgt Ion:244 Resp: 365545
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 8.9 7.4 11.2

Manual Integrations

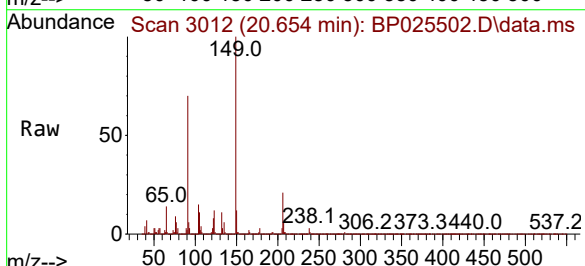
APPROVED

Reviewed By :Rahul Chavli 08/20/2025

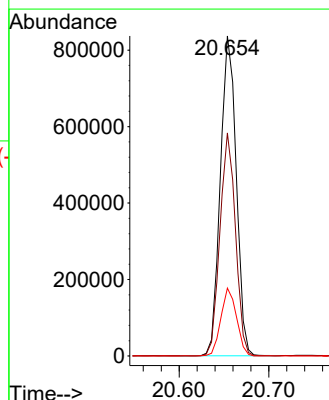
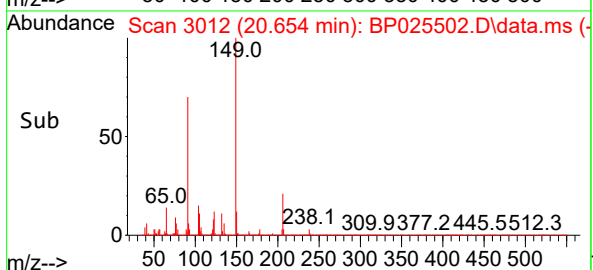
Supervised By :Jagrut Upadhyay 08/21/2025

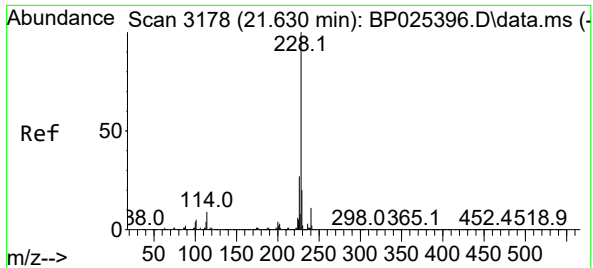


#80
Butylbenzylphthalate
Concen: 40.617 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



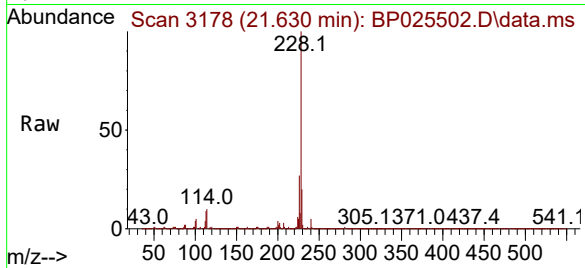
Tgt Ion:149 Resp: 1028893
Ion Ratio Lower Upper
149 100
91 69.7 54.2 81.2
206 21.2 16.6 24.8





#81
Benzo(a)anthracene
Concen: 39.128 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

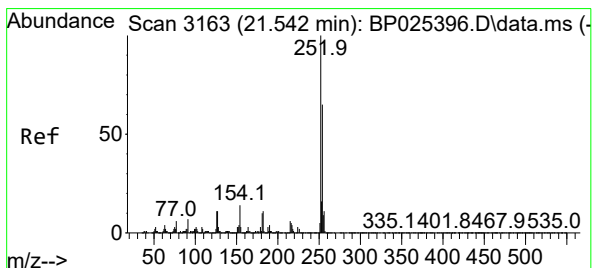
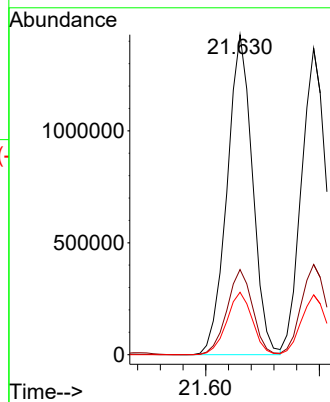
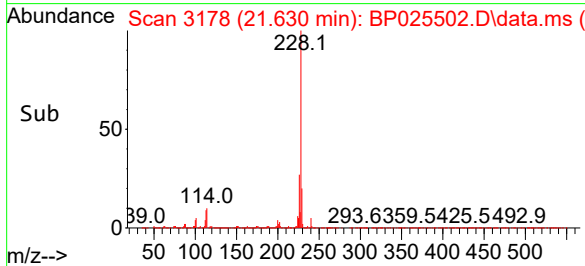
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



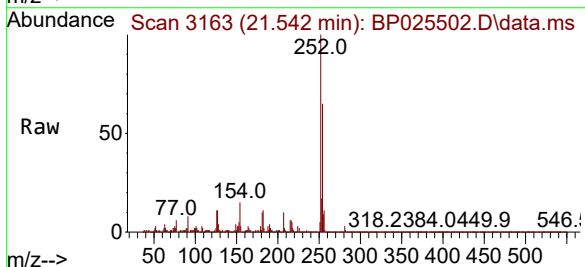
Tgt Ion:228 Resp: 2219090
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.5 15.6 23.4

Manual Integrations
APPROVED

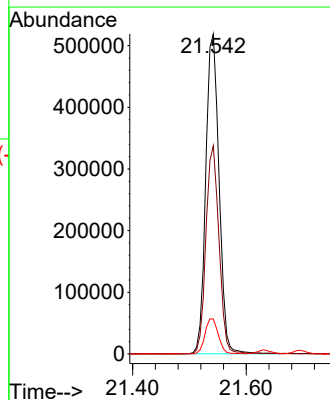
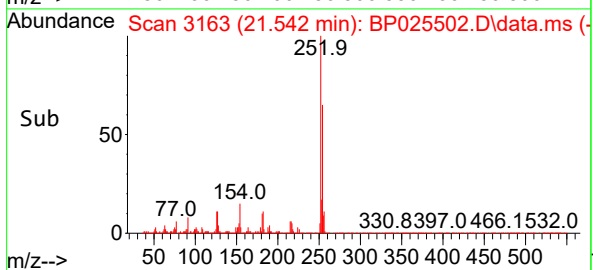
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

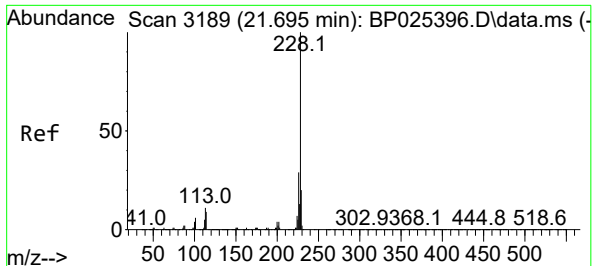


#82
3,3'-Dichlorobenzidine
Concen: 39.295 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



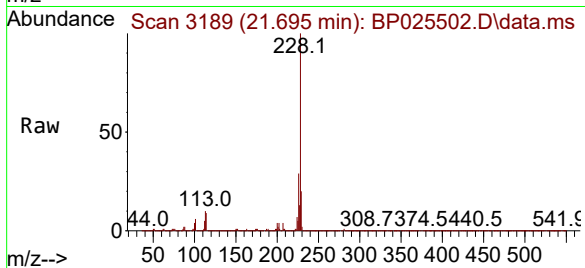
Tgt Ion:252 Resp: 839996
Ion Ratio Lower Upper
252 100
254 65.0 51.8 77.6
126 10.9 9.1 13.7





#83
Chrysene
Concen: 39.434 ng
RT: 21.695 min Scan# 3189
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

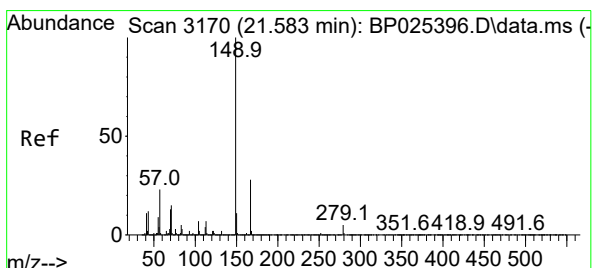
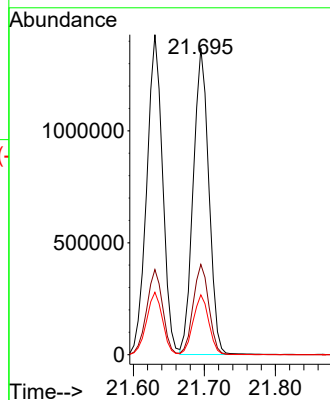
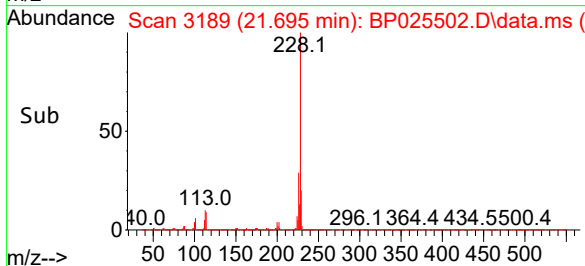
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



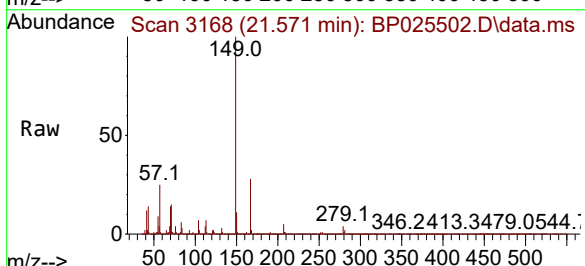
Tgt Ion:228 Resp: 2094420
Ion Ratio Lower Upper
228 100
226 29.5 23.2 34.8
229 19.5 15.6 23.4

Manual Integrations
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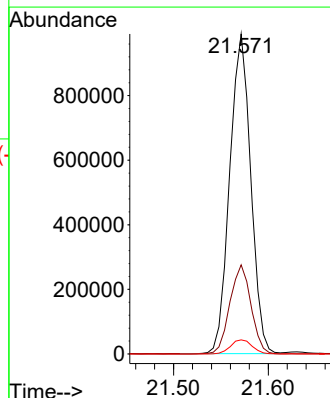
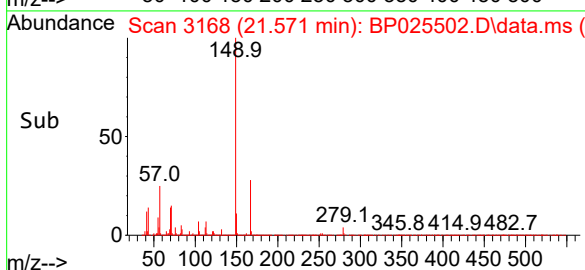
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

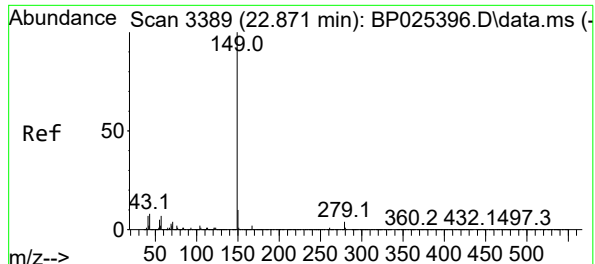


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.001 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



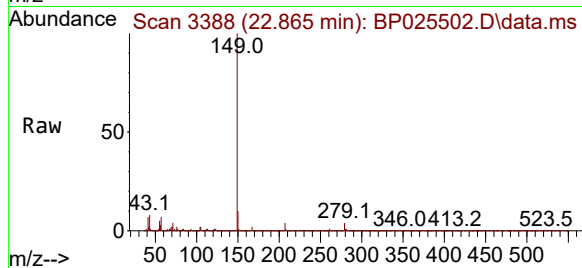
Tgt Ion:149 Resp: 1528918
Ion Ratio Lower Upper
149 100
167 27.9 22.1 33.1
279 4.4 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 41.280 ng
RT: 22.865 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

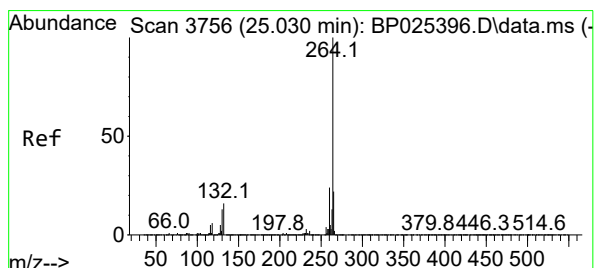
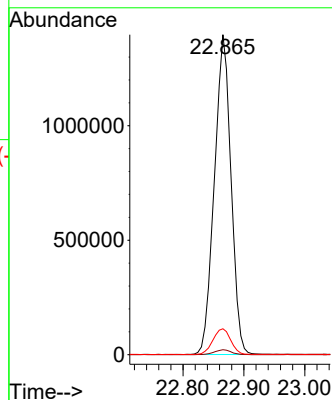
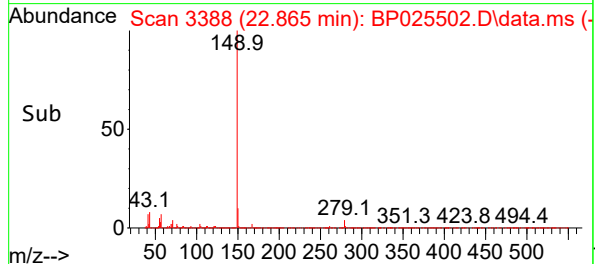
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



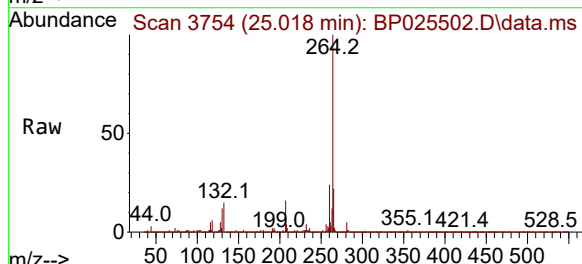
Tgt Ion:149 Resp: 2647644
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.6 6.3 9.5

Manual Integrations
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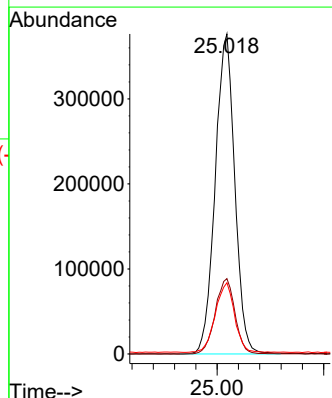
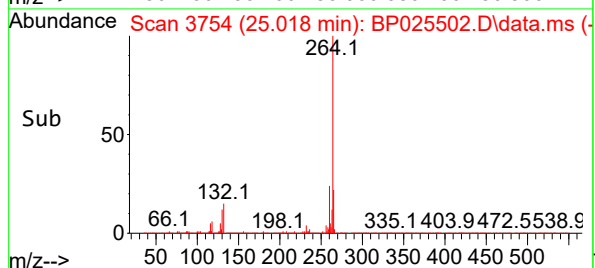
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

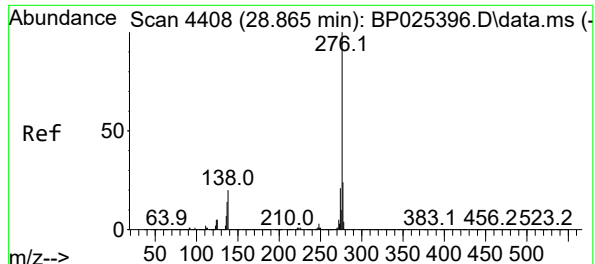


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



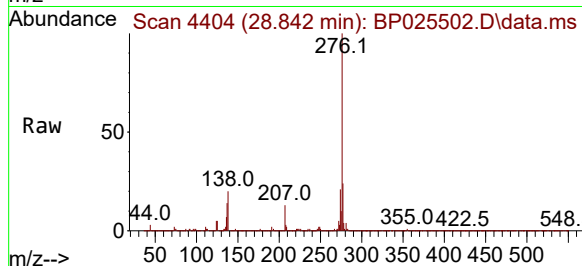
Tgt Ion:264 Resp: 959319
Ion Ratio Lower Upper
264 100
260 23.6 19.3 28.9
265 22.3 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.904 ng
RT: 28.842 min Scan# 4404
Delta R.T. -0.024 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

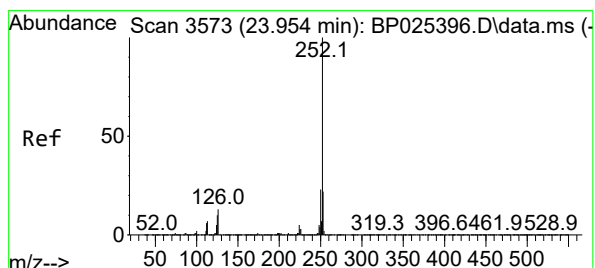
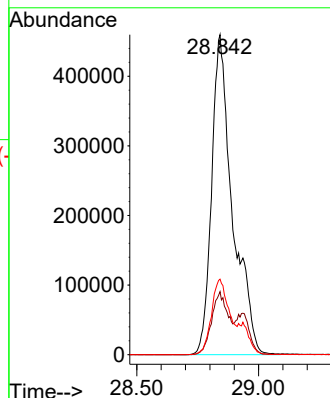
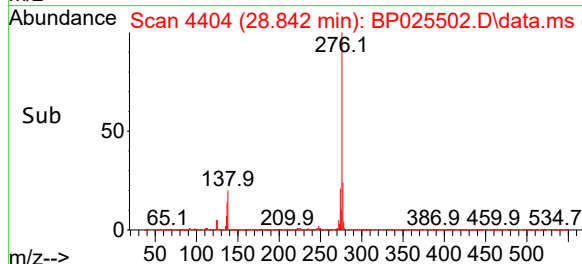
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



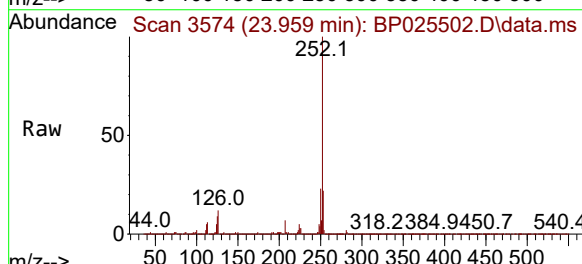
Tgt Ion: 276 Resp: 2736984
Ion Ratio Lower Upper
276 100
138 15.6 12.9 19.3
277 20.3 17.0 25.6

Manual Integrations
APPROVED

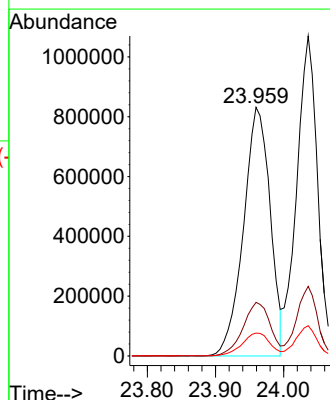
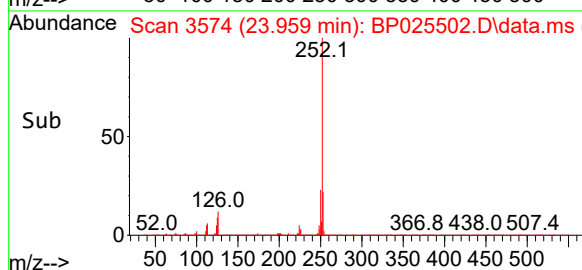
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

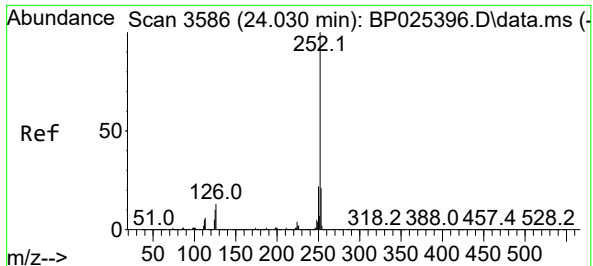


#88
Benzo(b)fluoranthene
Concen: 39.777 ng
RT: 23.959 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



Tgt Ion: 252 Resp: 2250091
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 9.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 40.536 ng

RT: 24.036 min Scan# 3586

Delta R.T. 0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:252 Resp: 229459

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

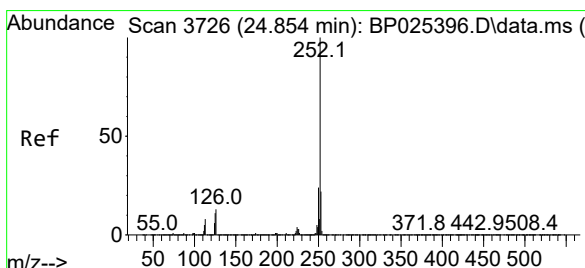
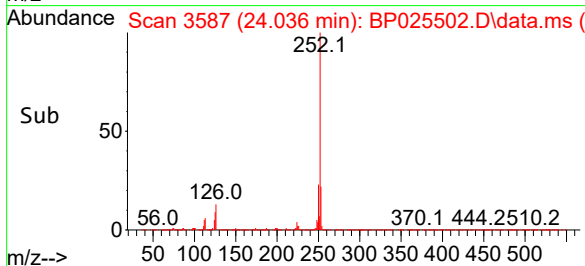
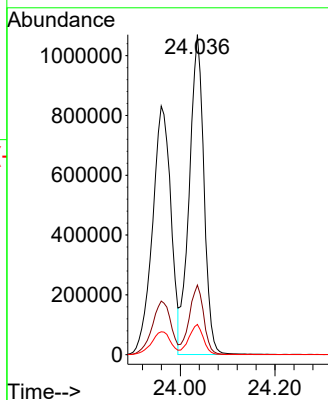
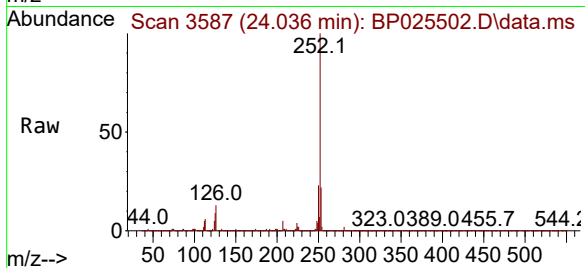
125 9.5 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#90

Benzo(a)pyrene

Concen: 39.490 ng

RT: 24.871 min Scan# 3729

Delta R.T. 0.018 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

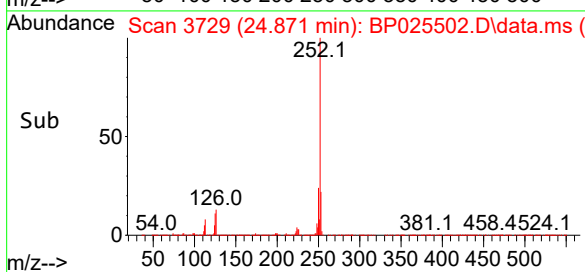
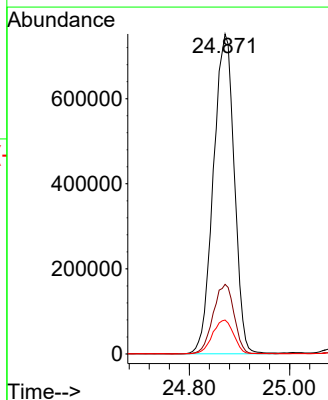
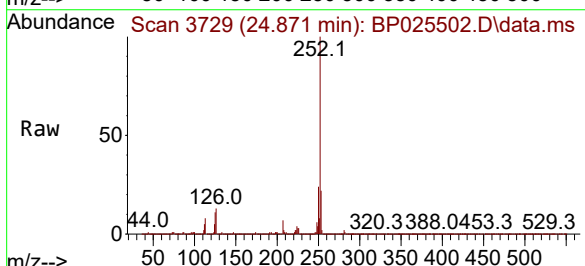
Tgt Ion:252 Resp: 2174497

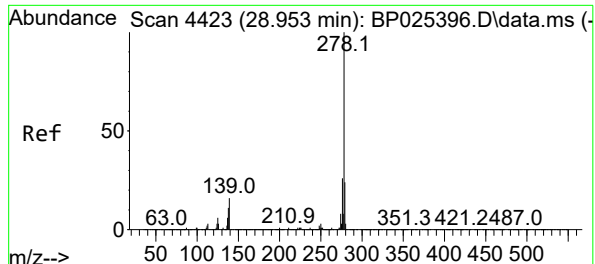
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

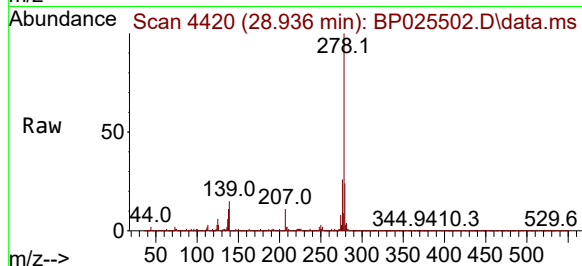
125 10.6 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 39.346 ng
RT: 28.936 min Scan# 4423
Delta R.T. -0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

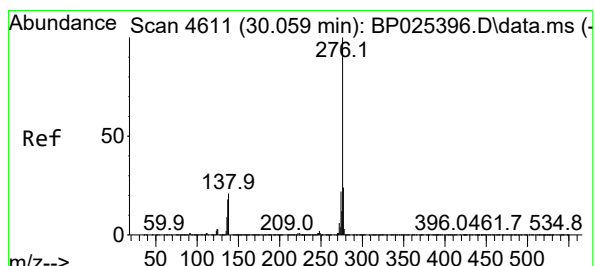
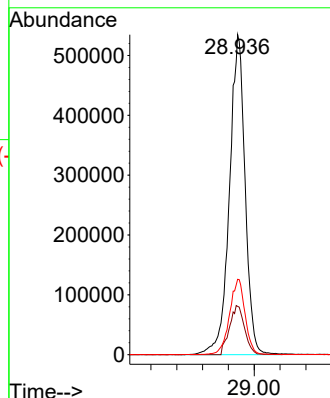
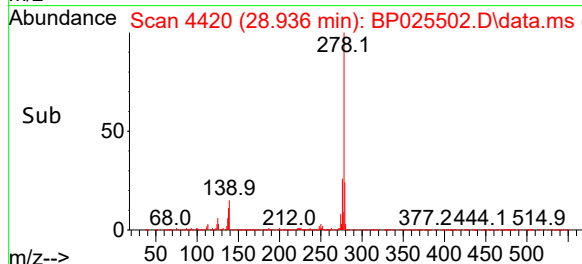
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC



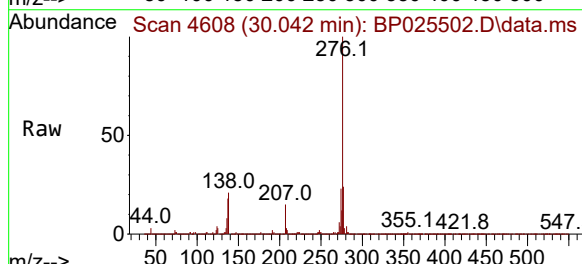
Tgt Ion: 278 Resp: 2262080
Ion Ratio Lower Upper
278 100
139 15.1 13.0 19.4
279 23.5 19.4 29.2

Manual Integrations
APPROVED

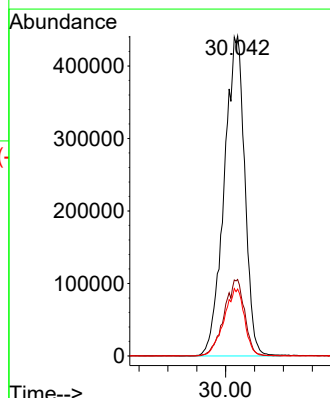
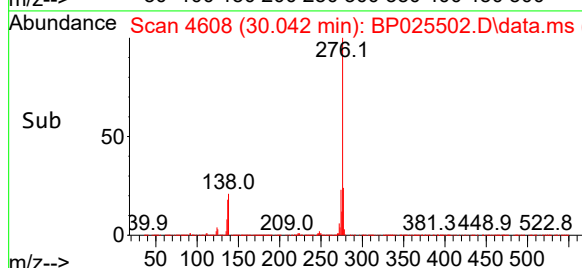
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#92
Benzo(g,h,i)perylene
Concen: 38.659 ng
RT: 30.042 min Scan# 4608
Delta R.T. -0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41



Tgt Ion: 276 Resp: 2184778
Ion Ratio Lower Upper
276 100
277 23.9 19.4 29.0
138 20.9 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	-0.01
2	1,4-Dioxane	0.472	0.487	-3.2	103	0.00
3	Pyridine	1.291	1.302	-0.9	100	0.00
4	n-Nitrosodimethylamine	0.532	0.577	-8.5	106	0.00
5 S	2-Fluorophenol	1.204	1.219	-1.2	98	0.00
6	Aniline	2.080	2.090	-0.5	97	0.00
7 S	Phenol-d6	1.544	1.572	-1.8	97	0.00
8	2-Chlorophenol	1.359	1.359	0.0	97	0.00
9	Benzaldehyde	1.082	0.644	40.5#	44#	0.00
10 C	Phenol	1.620	1.653	-2.0	98	0.00
11	bis(2-Chloroethyl)ether	1.263	1.267	-0.3	97	0.00
12	1,3-Dichlorobenzene	1.499	1.494	0.3	97	0.00
13 C	1,4-Dichlorobenzene	1.532	1.540	-0.5	98	-0.01
14	1,2-Dichlorobenzene	1.483	1.480	0.2	97	0.00
15	Benzyl Alcohol	1.227	1.247	-1.6	98	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.764	-4.3	102	0.00
17	2-Methylphenol	1.125	1.140	-1.3	96	0.00
18	Hexachloroethane	0.563	0.577	-2.5	99	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	1.028	-0.5	97	0.00
20	3+4-Methylphenols	1.560	1.551	0.6	95	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
22	Acetophenone	0.502	0.501	0.2	96	0.00
23 S	Nitrobenzene-d5	0.395	0.403	-2.0	98	0.00
24	Nitrobenzene	0.353	0.356	-0.8	96	0.00
25	Isophorone	0.700	0.700	0.0	97	0.00
26 C	2-Nitrophenol	0.181	0.180	0.6	93	0.00
27	2,4-Dimethylphenol	0.312	0.312	0.0	94	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.417	1.4	95	0.00
29 C	2,4-Dichlorophenol	0.310	0.314	-1.3	96	0.00
30	1,2,4-Trichlorobenzene	0.340	0.330	2.9	94	0.00
31	Naphthalene	1.040	1.013	2.6	94	0.00
32	Benzoic acid	0.230	0.230	0.0	94	0.00
33	4-Chloroaniline	0.459	0.455	0.9	94	0.00
34 C	Hexachlorobutadiene	0.211	0.211	0.0	96	0.00
35	Caprolactam	0.114	0.110	3.5	94	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.357	-0.6	96	0.00
37	2-Methylnaphthalene	0.676	0.655	3.1	93	0.00
38	1-Methylnaphthalene	0.719	0.689	4.2	94	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40	1,2,4,5-Tetrachlorobenzene	0.578	0.586	-1.4	95	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.364	-4.3	95	0.00
42 S	2,4,6-Tribromophenol	0.269	0.271	-0.7	94	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.399	-2.3	95	0.00
44	2,4,5-Trichlorophenol	0.427	0.438	-2.6	94	0.00
45 S	2-Fluorobiphenyl	1.463	1.455	0.5	95	0.00
46	1,1'-Biphenyl	1.453	1.441	0.8	93	0.00
47	2-Chloronaphthalene	1.131	1.125	0.5	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.352	-7.0	97	0.00
49	Acenaphthylene	1.871	1.865	0.3	94	0.00
50	Dimethylphthalate	1.465	1.455	0.7	94	0.00
51	2,6-Dinitrotoluene	0.309	0.317	-2.6	93	0.00
52 C	Acenaphthene	1.098	1.090	0.7	95	0.01
53	3-Nitroaniline	0.347	0.356	-2.6	95	0.00
54 P	2,4-Dinitrophenol	0.165	0.178	-7.9	99	0.00
55	Dibenzofuran	1.736	1.703	1.9	92	0.00
56 P	4-Nitrophenol	0.285	0.289	-1.4	94	0.00
57	2,4-Dinitrotoluene	0.440	0.456	-3.6	95	0.00
58	Fluorene	1.370	1.316	3.9	91	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.383	-1.6	94	0.00
60	Diethylphthalate	1.488	1.507	-1.3	95	0.00
61	4-Chlorophenyl-phenylether	0.681	0.663	2.6	92	0.00
62	4-Nitroaniline	0.356	0.361	-1.4	93	0.00
63	Azobenzene	1.274	1.344	-5.5	99	0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	90	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.131	-4.8	96	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.612	-0.3	93	0.00
67	4-Bromophenyl-phenylether	0.220	0.221	-0.5	93	0.00
68	Hexachlorobenzene	0.255	0.254	0.4	94	0.00
69	Atrazine	0.228	0.229	-0.4	94	0.00
70 C	Pentachlorophenol	0.161	0.171	-6.2	97	0.00
71	Phenanthrene	1.099	1.073	2.4	93	0.00
72	Anthracene	1.122	1.104	1.6	92	0.00
73	Carbazole	1.057	1.038	1.8	93	0.00
74	Di-n-butylphthalate	1.300	1.312	-0.9	95	0.00
75 C	Fluoranthene	1.311	1.295	1.2	95	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	96	0.00
77	Benzydine	0.683	0.561	17.9	56	0.00
78	Pyrene	1.300	1.234	5.1	93	0.00
79 S	Terphenyl-d14	1.093	1.063	2.7	97	0.01
80	Butylbenzylphthalate	0.589	0.598	-1.5	99	0.00
81	Benzo(a)anthracene	1.319	1.290	2.2	97	0.00
82	3,3'-Dichlorobenzidine	0.497	0.488	1.8	96	0.00
83	Chrysene	1.235	1.218	1.4	99	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.889	-2.5	102	-0.01
85 c	Di-n-octyl phthalate	1.492	1.539	-3.2	102	0.00
86 I	Perylene-d12	1.000	1.000	0.0	94	-0.01
87	Indeno(1,2,3-cd)pyrene	1.467	1.427	2.7	95	-0.02
88	Benzo(b)fluoranthene	1.179	1.173	0.5	97	0.00
89	Benzo(k)fluoranthene	1.180	1.196	-1.4	99	0.00
90 C	Benzo(a)pyrene	1.148	1.133	1.3	96	0.02
91	Dibenzo(a,h)anthracene	1.199	1.179	1.7	96	-0.02
92	Benzo(g,h,i)perylene	1.178	1.139	3.3	94	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
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Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	-0.01
2	1,4-Dioxane	40.000	41.329	-3.3	103	0.00
3	Pyridine	40.000	40.337	-0.8	100	0.00
4	n-Nitrosodimethylamine	40.000	43.372	-8.4	106	0.00
5 S	2-Fluorophenol	80.000	80.973	-1.2	98	0.00
6	Aniline	40.000	40.190	-0.5	97	0.00
7 S	Phenol-d6	80.000	81.437	-1.8	97	0.00
8	2-Chlorophenol	40.000	40.005	-0.0	97	0.00
9	Benzaldehyde	40.000	23.826	40.4#	44	0.00
10 C	Phenol	40.000	40.802	-2.0	98	0.00
11	bis(2-Chloroethyl)ether	40.000	40.129	-0.3	97	0.00
12	1,3-Dichlorobenzene	40.000	39.880	0.3	97	0.00
13 C	1,4-Dichlorobenzene	40.000	40.220	-0.5	98	-0.01
14	1,2-Dichlorobenzene	40.000	39.931	0.2	97	0.00
15	Benzyl Alcohol	40.000	40.652	-1.6	98	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.700	-4.3	102	0.00
17	2-Methylphenol	40.000	40.522	-1.3	96	0.00
18	Hexachloroethane	40.000	41.003	-2.5	99	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.216	-0.5	97	0.00
20	3+4-Methylphenols	40.000	39.780	0.5	95	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	93	0.00
22	Acetophenone	40.000	39.991	0.0	96	0.00
23 S	Nitrobenzene-d5	80.000	81.592	-2.0	98	0.00
24	Nitrobenzene	40.000	40.309	-0.8	96	0.00
25	Isophorone	40.000	40.003	-0.0	97	0.00
26 C	2-Nitrophenol	40.000	39.808	0.5	93	0.00
27	2,4-Dimethylphenol	40.000	39.968	0.1	94	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.468	1.3	95	0.00
29 C	2,4-Dichlorophenol	40.000	40.533	-1.3	96	0.00
30	1,2,4-Trichlorobenzene	40.000	38.887	2.8	94	0.00
31	Naphthalene	40.000	38.998	2.5	94	0.00
32	Benzoic acid	40.000	39.948	0.1	94	0.00
33	4-Chloroaniline	40.000	39.605	1.0	94	0.00
34 C	Hexachlorobutadiene	40.000	39.951	0.1	96	0.00
35	Caprolactam	40.000	38.776	3.1	94	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.195	-0.5	96	0.00
37	2-Methylnaphthalene	40.000	38.714	3.2	93	0.00
38	1-Methylnaphthalene	40.000	38.296	4.3	94	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.579	-1.4	95	0.00
41 P	Hexachlorocyclopentadiene	40.000	41.746	-4.4	95	0.00
42 S	2,4,6-Tribromophenol	80.000	80.580	-0.7	94	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.907	-2.3	95	0.00
44	2,4,5-Trichlorophenol	40.000	41.026	-2.6	94	0.00
45 S	2-Fluorobiphenyl	80.000	79.531	0.6	95	0.00
46	1,1'-Biphenyl	40.000	39.678	0.8	93	0.00
47	2-Chloronaphthalene	40.000	39.783	0.5	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.727	-6.8	97	0.00
49	Acenaphthylene	40.000	39.860	0.4	94	0.00
50	Dimethylphthalate	40.000	39.744	0.6	94	0.00
51	2,6-Dinitrotoluene	40.000	41.073	-2.7	93	0.00
52 C	Acenaphthene	40.000	39.710	0.7	95	0.01
53	3-Nitroaniline	40.000	41.043	-2.6	95	0.00
54 P	2,4-Dinitrophenol	40.000	43.128	-7.8	99	0.00
55	Dibenzofuran	40.000	39.226	1.9	92	0.00
56 P	4-Nitrophenol	40.000	40.538	-1.3	94	0.00
57	2,4-Dinitrotoluene	40.000	41.459	-3.6	95	0.00
58	Fluorene	40.000	38.412	4.0	91	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.574	-1.4	94	0.00
60	Diethylphthalate	40.000	40.513	-1.3	95	0.00
61	4-Chlorophenyl-phenylether	40.000	38.934	2.7	92	0.00
62	4-Nitroaniline	40.000	40.530	-1.3	93	0.00
63	Azobenzene	40.000	42.199	-5.5	99	0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	90	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.917	-4.8	96	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.171	-0.4	93	0.00
67	4-Bromophenyl-phenylether	40.000	40.268	-0.7	93	0.00
68	Hexachlorobenzene	40.000	39.919	0.2	94	0.00
69	Atrazine	40.000	40.186	-0.5	94	0.00
70 C	Pentachlorophenol	40.000	42.449	-6.1	97	0.00
71	Phenanthrene	40.000	39.064	2.3	93	0.00
72	Anthracene	40.000	39.365	1.6	92	0.00
73	Carbazole	40.000	39.300	1.8	93	0.00
74	Di-n-butylphthalate	40.000	40.373	-0.9	95	0.00
75 C	Fluoranthene	40.000	39.528	1.2	95	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	96	0.00
77	Benzydine	40.000	32.893	17.8	56	0.00
78	Pyrene	40.000	37.983	5.0	93	0.00
79 S	Terphenyl-d14	80.000	77.772	2.8	97	0.01
80	Butylbenzylphthalate	40.000	40.617	-1.5	99	0.00
81	Benzo(a)anthracene	40.000	39.128	2.2	97	0.00
82	3,3'-Dichlorobenzidine	40.000	39.295	1.8	96	0.00
83	Chrysene	40.000	39.434	1.4	99	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.001	-2.5	102	-0.01
85 c	Di-n-octyl phthalate	40.000	41.280	-3.2	102	0.00
86 I	Perylene-d12	20.000	20.000	0.0	94	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	38.904	2.7	95	-0.02
88	Benzo(b)fluoranthene	40.000	39.777	0.6	97	0.00
89	Benzo(k)fluoranthene	40.000	40.536	-1.3	99	0.00
90 C	Benzo(a)pyrene	40.000	39.490	1.3	96	0.02
91	Dibenzo(a,h)anthracene	40.000	39.346	1.6	96	-0.02
92	Benzo(g,h,i)perylene	40.000	38.659	3.4	94	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
----------	--------	-------	------	-------	----------

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/20/2025 18:27</u>
Lab File ID:	<u>BP025512.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.232		2.3	
Benzaldehyde	1.082	1.279		18.2	
Phenol-d6	1.544	1.491		-3.4	
Phenol	1.620	1.535		-5.2	20.0
bis(2-Chloroethyl)ether	1.263	1.201		-4.9	
2-Chlorophenol	1.359	1.324		-2.6	
2-Methylphenol	1.125	1.059		-5.9	
2,2-oxybis(1-Chloropropane)	1.692	1.647		-2.7	
Acetophenone	0.502	0.508		1.2	
3+4-Methylphenols	1.560	1.396		-10.5	
n-Nitroso-di-n-propylamine	1.023	0.895	0.050	-12.5	
Nitrobenzene-d5	0.395	0.409		3.5	
Hexachloroethane	0.563	0.578		2.7	
Nitrobenzene	0.353	0.367		4.0	
Isophorone	0.700	0.664		-5.1	
2-Nitrophenol	0.181	0.188		3.9	20.0
2,4-Dimethylphenol	0.312	0.308		-1.3	
bis(2-Chloroethoxy)methane	0.423	0.413		-2.4	
2,4-Dichlorophenol	0.310	0.310		0.0	20.0
Naphthalene	1.040	1.033		-0.7	
4-Chloroaniline	0.459	0.429		-6.5	
Hexachlorobutadiene	0.211	0.225		6.6	20.0
Caprolactam	0.114	0.092		-19.3	
4-Chloro-3-methylphenol	0.355	0.324		-8.7	20.0
2-Methylnaphthalene	0.676	0.633		-6.4	
Hexachlorocyclopentadiene	0.349	0.359	0.050	2.9	
2,4,6-Trichlorophenol	0.390	0.414		6.2	20.0
2-Fluorobiphenyl	1.463	1.526		4.3	
2,4,5-Trichlorophenol	0.427	0.446		4.4	
1,1-Biphenyl	1.453	1.507		3.7	
2-Chloronaphthalene	1.131	1.165		3.0	
2-Nitroaniline	0.329	0.343		4.3	
Dimethylphthalate	1.465	1.399		-4.5	
Acenaphthylene	1.871	1.871		0.0	
2,6-Dinitrotoluene	0.309	0.313		1.3	
3-Nitroaniline	0.347	0.329		-5.2	
Acenaphthene	1.098	1.086		-1.1	20.0
2,4-Dinitrophenol	0.165	0.172	0.050	4.2	
4-Nitrophenol	0.285	0.266	0.050	-6.7	



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/20/2025 18:27</u>
Lab File ID:	<u>BP025512.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.703		-1.9	
2,4-Dinitrotoluene	0.440	0.429		-2.5	
Diethylphthalate	1.488	1.402		-5.8	
4-Chlorophenyl-phenylether	0.681	0.651		-4.4	
Fluorene	1.370	1.306		-4.7	
4-Nitroaniline	0.356	0.332		-6.7	
4,6-Dinitro-2-methylphenol	0.125	0.127		1.6	
n-Nitrosodiphenylamine	0.610	0.609		-0.2	20.0
2,4,6-Tribromophenol	0.269	0.257		-4.5	
4-Bromophenyl-phenylether	0.220	0.224		1.8	
Hexachlorobenzene	0.255	0.256		0.4	
Atrazine	0.228	0.221		-3.1	
Pentachlorophenol	0.161	0.167		3.7	20.0
Phenanthrene	1.099	1.085		-1.3	
Anthracene	1.122	1.084		-3.4	
Carbazole	1.057	1.022		-3.3	
Di-n-butylphthalate	1.300	1.314		1.1	
Fluoranthene	1.311	1.267		-3.4	20.0
Pyrene	1.300	1.220		-6.2	
Terphenyl-d14	1.093	1.021		-6.6	
Butylbenzylphthalate	0.589	0.600		1.9	
3,3-Dichlorobenzidine	0.497	0.503		1.2	
Benzo (a) anthracene	1.319	1.279		-3.0	
Chrysene	1.235	1.213		-1.8	
Bis (2-ethylhexyl) phthalate	0.867	0.895		3.2	
Di-n-octyl phthalate	1.492	1.648		10.5	20.0
Benzo (b) fluoranthene	1.179	1.121		-4.9	
Benzo (k) fluoranthene	1.180	1.119		-5.2	
Benzo (a) pyrene	1.148	1.115		-2.9	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.484		1.2	
Dibenzo (a,h) anthracene	1.199	1.220		1.8	
Benzo (g,h,i) perylene	1.178	1.213		3.0	
1,2,4,5-Tetrachlorobenzene	0.578	0.626		8.3	
1,4-Dioxane	0.472	0.489		3.6	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.372		-1.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025512.D
 Acq On : 20 Aug 2025 18:27
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	166180	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	619421	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	355189	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	670328	20.000	ng	0.00
76) Chrysene-d12	21.648	240	721835	20.000	ng	0.00
86) Perylene-d12	25.030	264	911460	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	819056	81.851	ng	0.00
7) Phenol-d6	6.966	99	990921	77.239	ng	0.00
23) Nitrobenzene-d5	8.925	82	1014236	82.828	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	365485	76.447	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2168370	83.434	ng	0.00
79) Terphenyl-d14	19.919	244	2948745	74.739	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.331	88	162482	41.454	ng	99
3) Pyridine	3.731	79	413008	38.497	ng	98
4) n-Nitrosodimethylamine	3.637	42	189578	42.863	ng	97
6) Aniline	7.119	93	652984	37.776	ng	98
8) 2-Chlorophenol	7.361	128	440061	38.971	ng	98
9) Benzaldehyde	6.937	77	425209	47.306	ng	95
10) Phenol	6.996	94	510256	37.903	ng	98
11) bis(2-Chloroethyl)ether	7.213	93	399309	38.056	ng	98
12) 1,3-Dichlorobenzene	7.678	146	499346	40.104	ng	98
13) 1,4-Dichlorobenzene	7.819	146	504357	39.630	ng	99
14) 1,2-Dichlorobenzene	8.137	146	478303	38.825	ng	97
15) Benzyl Alcohol	8.025	79	376366	36.921	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	547414	38.945	ng	100
17) 2-Methylphenol	8.225	107	352050	37.654	ng	99
18) Hexachloroethane	8.860	117	192071	41.047	ng	93
19) n-Nitroso-di-n-propyla...	8.578	70	297628	35.024	ng	97
20) 3+4-Methylphenols	8.543	107	463927	35.797	ng	99
22) Acetophenone	8.596	105	629950	40.553	ng	99
24) Nitrobenzene	8.972	77	454821	41.561	ng	98
25) Isophorone	9.496	82	822867	37.972	ng	99
26) 2-Nitrophenol	9.672	139	233161	41.515	ng	96
27) 2,4-Dimethylphenol	9.737	122	381587	39.508	ng	95
28) bis(2-Chloroethoxy)met...	9.966	93	511989	39.085	ng	99
29) 2,4-Dichlorophenol	10.207	162	384438	40.068	ng	98
30) 1,2,4-Trichlorobenzene	10.419	180	428971	40.786	ng	99
31) Naphthalene	10.607	128	1279654	39.747	ng	99
32) Benzoic acid	9.866	122	261847	36.722	ng	97
33) 4-Chloroaniline	10.707	127	531205	37.353	ng	98
34) Hexachlorobutadiene	10.896	225	278633	42.538	ng	99
35) Caprolactam	11.490	113	114461	32.534	ng	96
36) 4-Chloro-3-methylphenol	11.837	107	401963	36.511	ng	99
37) 2-Methylnaphthalene	12.213	142	783727	37.407	ng	99
38) 1-Methylnaphthalene	12.431	142	822994	36.937	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	444699	43.350	ng	99
41) Hexachlorocyclopentadiene	12.566	237	255262	41.195	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	293959	42.446	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025512.D
 Acq On : 20 Aug 2025 18:27
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

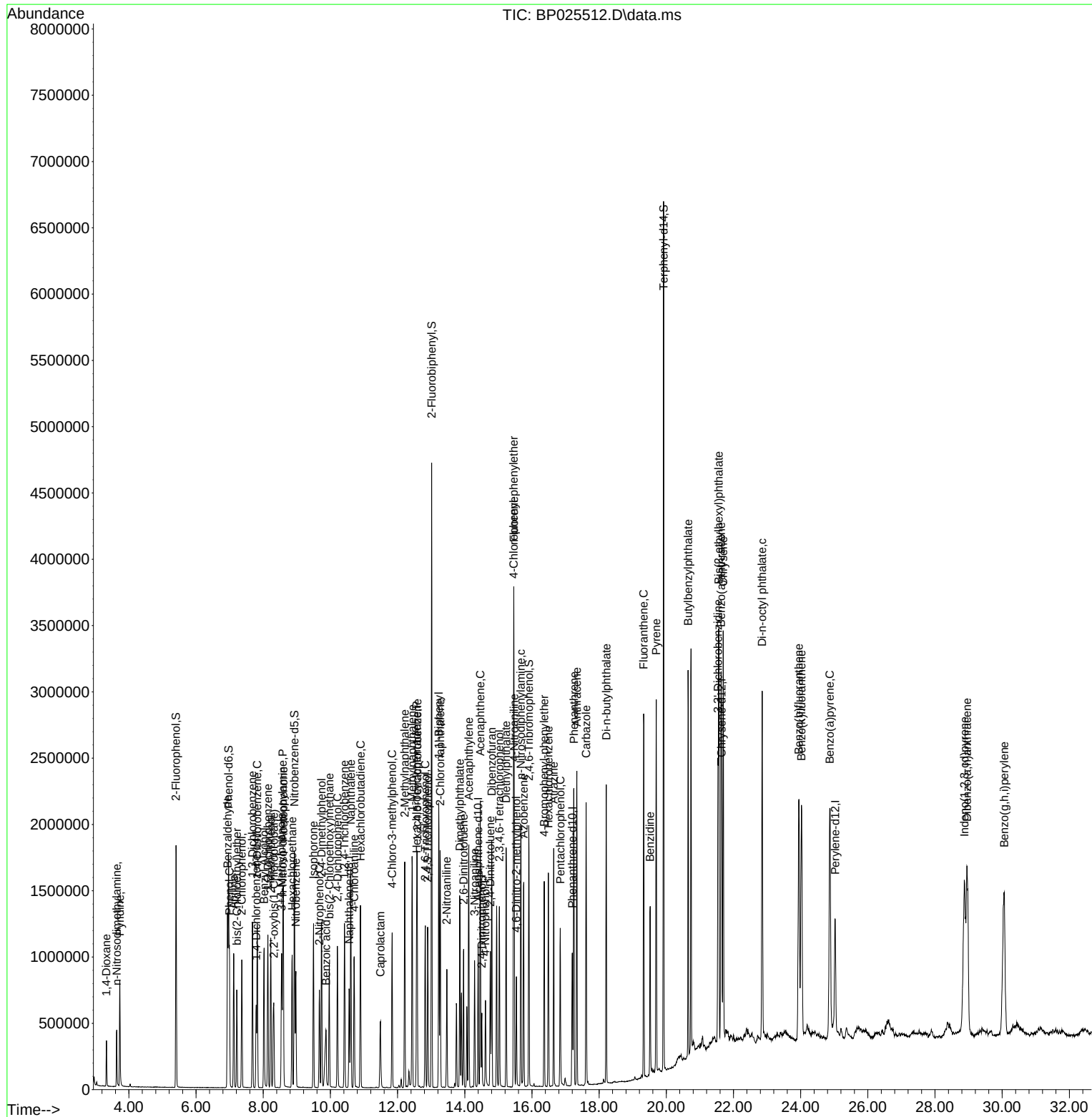
Quant Time: Aug 21 01:35:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

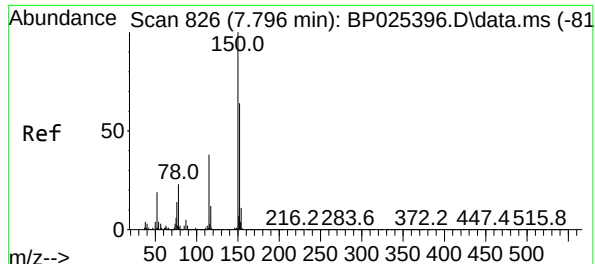
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	316844	41.744	ng	99
46) 1,1'-Biphenyl	13.225	154	1070736	41.508	ng	99
47) 2-Chloronaphthalene	13.266	162	827743	41.219	ng	100
48) 2-Nitroaniline	13.466	65	243579	41.628	ng	97
49) Acenaphthylene	14.119	152	1329242	40.001	ng	99
50) Dimethylphthalate	13.848	163	994069	38.219	ng	99
51) 2,6-Dinitrotoluene	13.966	165	222447	40.576	ng	98
52) Acenaphthene	14.460	154	771351	39.546	ng	99
53) 3-Nitroaniline	14.290	138	233840	37.912	ng	92
54) 2,4-Dinitrophenol	14.507	184	122042	41.686	ng	98
55) Dibenzofuran	14.801	168	1209507	39.221	ng	99
56) 4-Nitrophenol	14.613	139	188606	37.212	ng	94
57) 2,4-Dinitrotoluene	14.760	165	305079	39.004	ng	97
58) Fluorene	15.460	166	927874	38.132	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	264092	39.405	ng	100
60) Diethylphthalate	15.231	149	996051	37.688	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	462336	38.204	ng	97
62) 4-Nitroaniline	15.472	138	235988	37.321	ng	97
63) Azobenzene	15.754	77	890410	39.346	ng	98
65) 4,6-Dinitro-2-methylph...	15.537	198	170735	40.860	ng	94
66) n-Nitrosodiphenylamine	15.666	169	816452	39.942	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	299821	40.668	ng	96
68) Hexachlorobenzene	16.489	284	343811	40.230	ng	97
69) Atrazine	16.648	200	296023	38.670	ng	98
70) Pentachlorophenol	16.842	266	223956	41.514	ng	98
71) Phenanthrene	17.248	178	1455152	39.517	ng	99
72) Anthracene	17.336	178	1452720	38.632	ng	100
73) Carbazole	17.613	167	1370739	38.700	ng	99
74) Di-n-butylphthalate	18.213	149	1762119	40.436	ng	99
75) Fluoranthene	19.325	202	1698750	38.675	ng	99
77) Benzidine	19.519	184	784158	31.831	ng	99
78) Pyrene	19.701	202	1760829	37.531	ng	99
80) Butylbenzylphthalate	20.648	149	866705	40.760	ng	99
81) Benzo(a)anthracene	21.630	228	1846325	38.784	ng	98
82) 3,3'-Dichlorobenzidine	21.536	252	726259	40.475	ng	99
83) Chrysene	21.695	228	1751270	39.282	ng	99
84) Bis(2-ethylhexyl)phtha...	21.560	149	1292335	41.288	ng	100
85) Di-n-octyl phthalate	22.854	149	2379874	44.204	ng	98
87) Indeno(1,2,3-cd)pyrene	28.877	276	2704805	40.465	ng	98
88) Benzo(b)fluoranthene	23.948	252	2043506	38.021	ng	100
89) Benzo(k)fluoranthene	24.024	252	2039061	37.913	ng	99
90) Benzo(a)pyrene	24.865	252	2033101	38.861	ng	99
91) Dibenzo(a,h)anthracene	28.953	278	2223603	40.707	ng	99
92) Benzo(g,h,i)perylene	30.065	276	2210310	41.164	ng	98

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

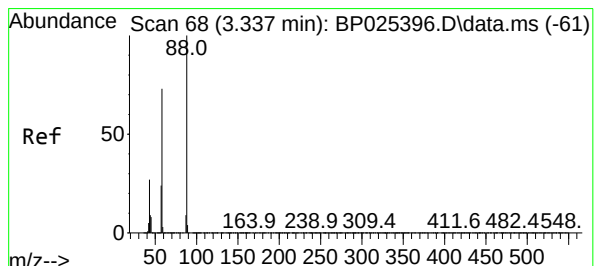
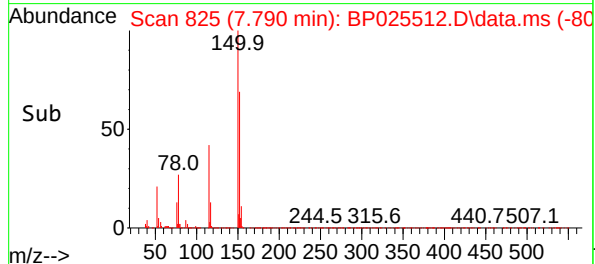
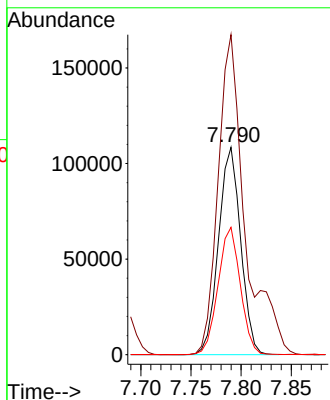
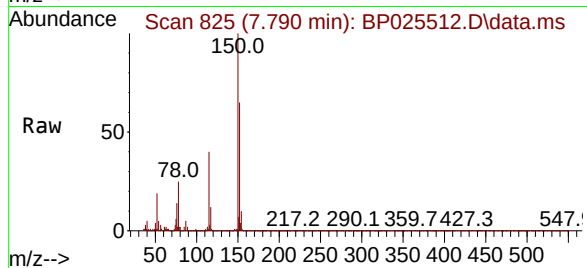




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

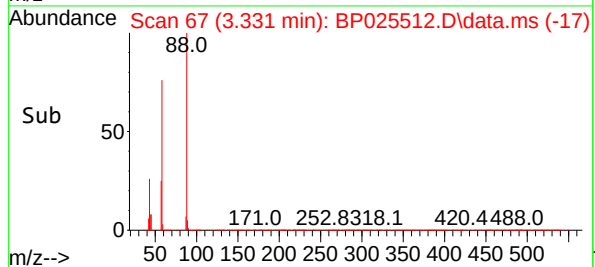
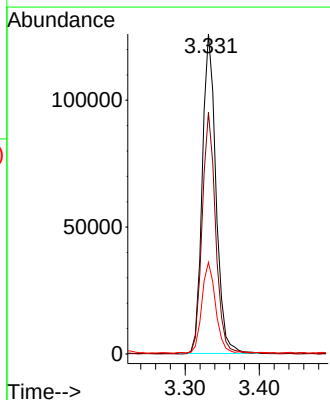
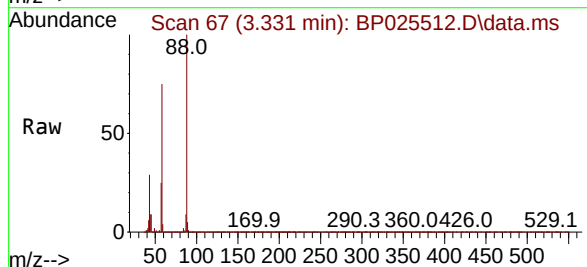
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

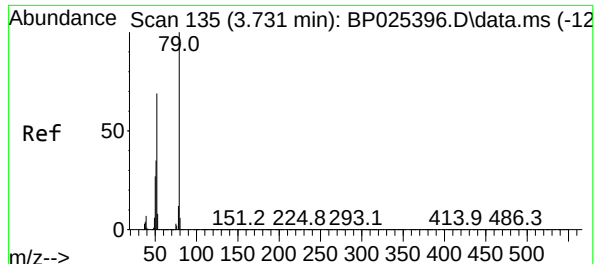
Tgt Ion:152 Resp: 166180
Ion Ratio Lower Upper
152 100
150 154.3 125.9 188.9
115 61.4 48.5 72.7



#2
1,4-Dioxane
Concen: 41.454 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 88 Resp: 162482
Ion Ratio Lower Upper
88 100
58 74.5 59.2 88.8
43 28.7 21.7 32.5

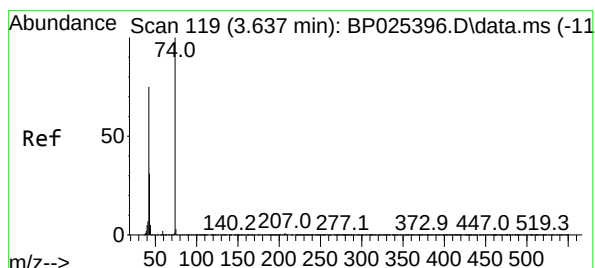
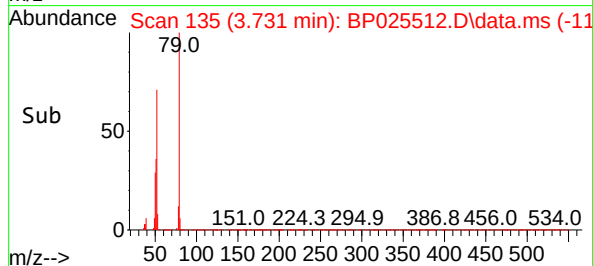
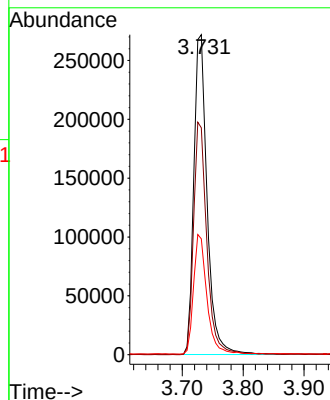
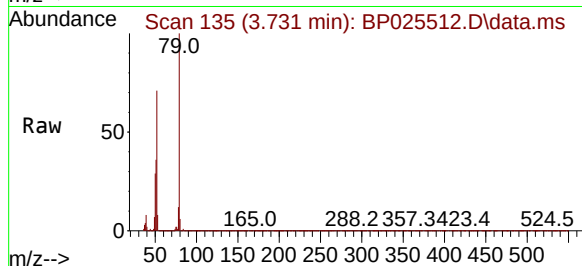




#3
Pyridine
Concen: 38.497 ng
RT: 3.731 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

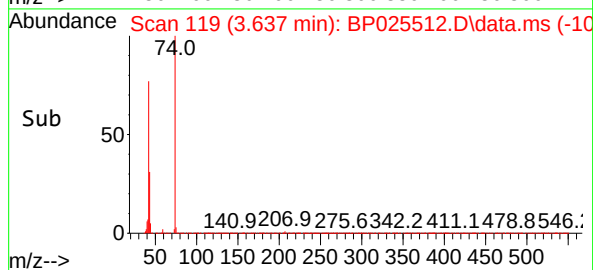
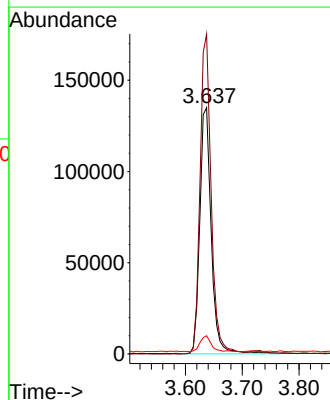
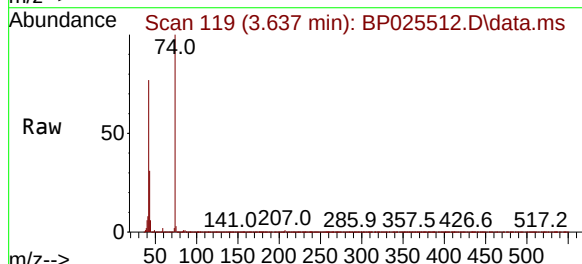
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

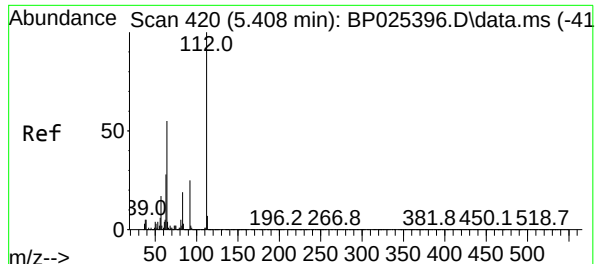
Tgt Ion: 79 Resp: 413008
Ion Ratio Lower Upper
79 100
52 70.9 55.5 83.3
51 36.2 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 42.863 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 42 Resp: 189578
Ion Ratio Lower Upper
42 100
74 129.9 107.0 160.4
44 7.4 6.2 9.4





#5

2-Fluorophenol

Concen: 81.851 ng

RT: 5.402 min Scan# 41

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

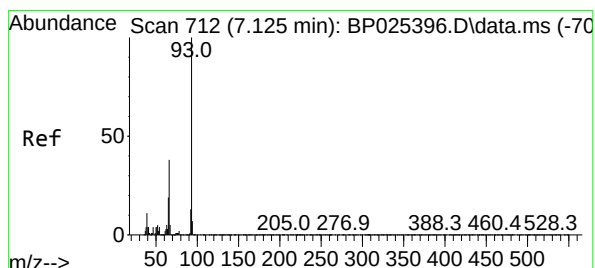
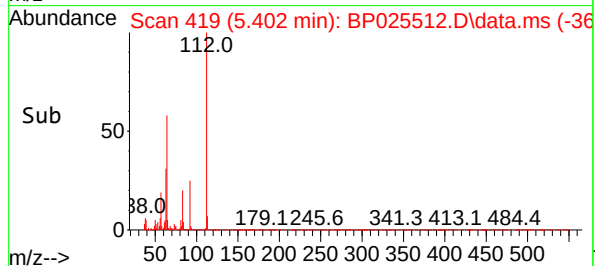
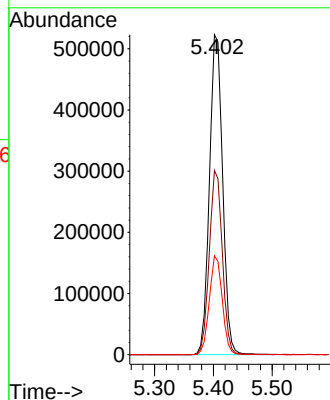
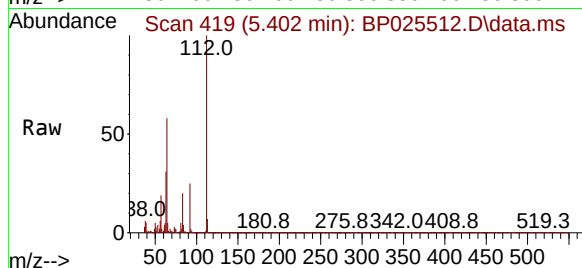
Tgt Ion:112 Resp: 819056

Ion Ratio Lower Upper

112 100

64 57.6 43.8 65.8

63 30.9 22.7 34.1



#6

Aniline

Concen: 37.776 ng

RT: 7.119 min Scan# 711

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

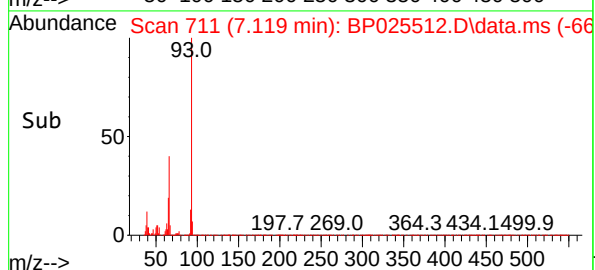
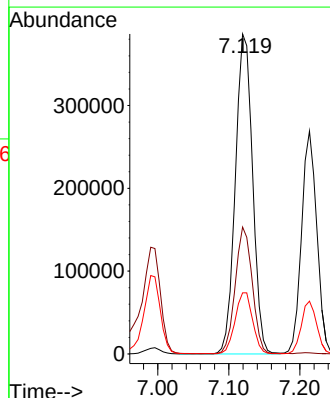
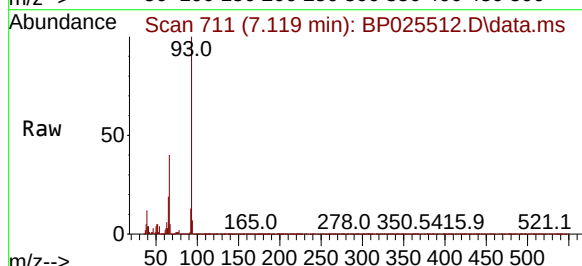
Tgt Ion: 93 Resp: 652984

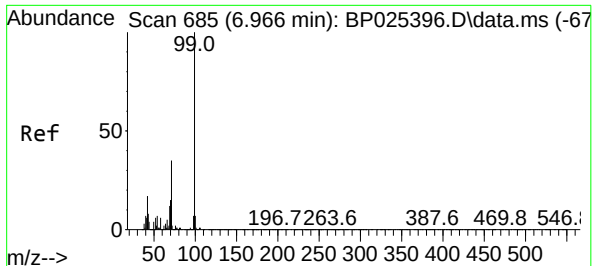
Ion Ratio Lower Upper

93 100

66 39.7 30.4 45.6

65 19.1 15.3 22.9

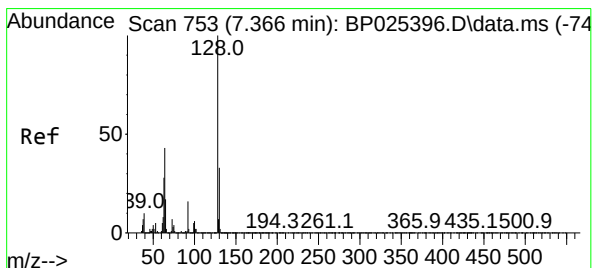
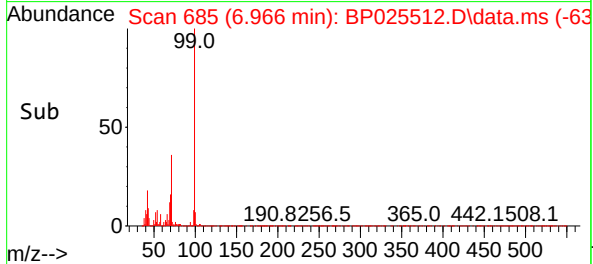
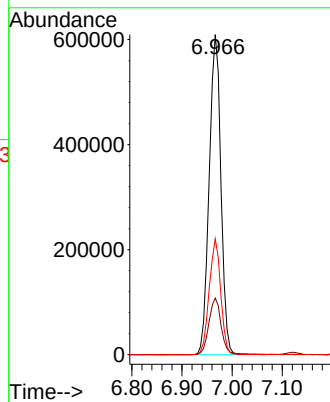
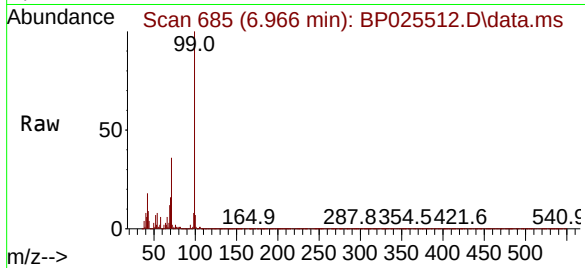




#7
Phenol-d6
Concen: 77.239 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

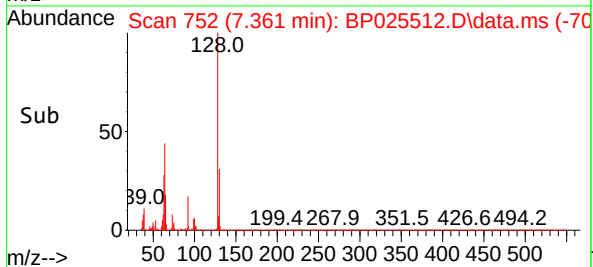
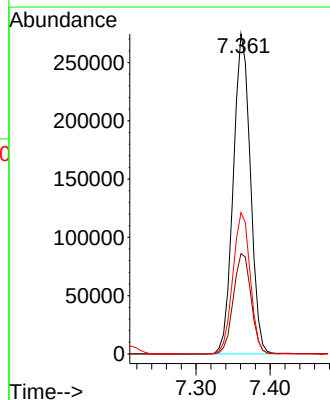
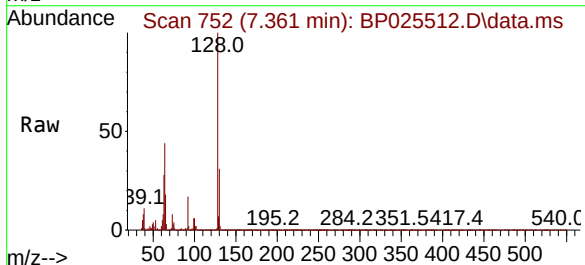
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

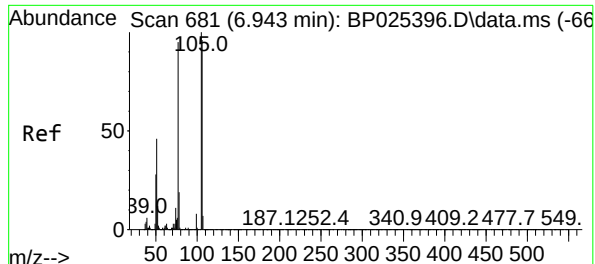
Tgt Ion: 99 Resp: 990921
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 36.2 28.2 42.4



#8
2-Chlorophenol
Concen: 38.971 ng
RT: 7.361 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 128 Resp: 440061
Ion Ratio Lower Upper
128 100
130 31.4 12.6 52.6
64 44.1 23.4 63.4

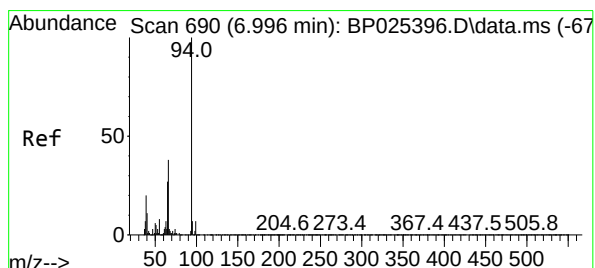
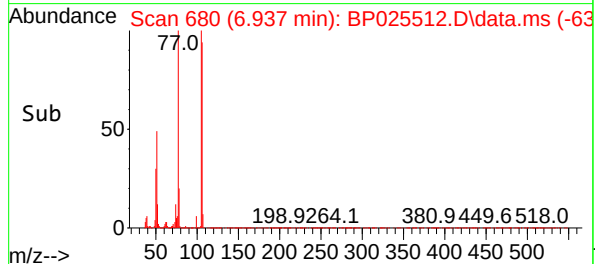
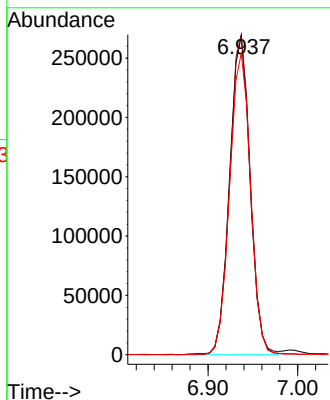
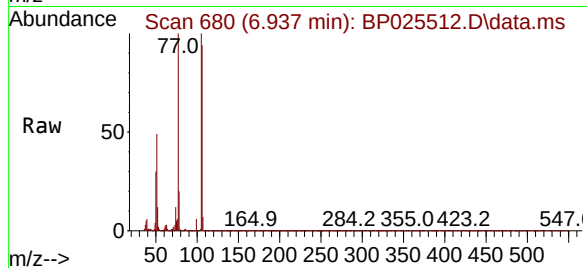




#9
Benzaldehyde
Concen: 47.306 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

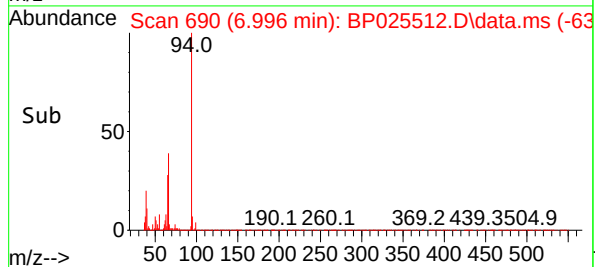
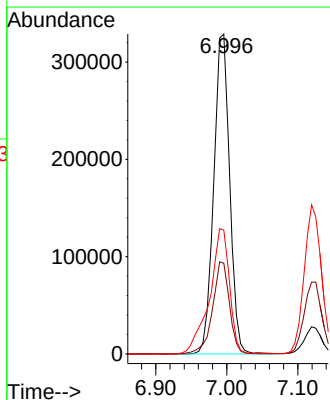
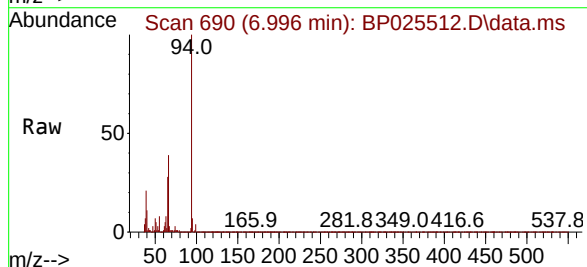
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

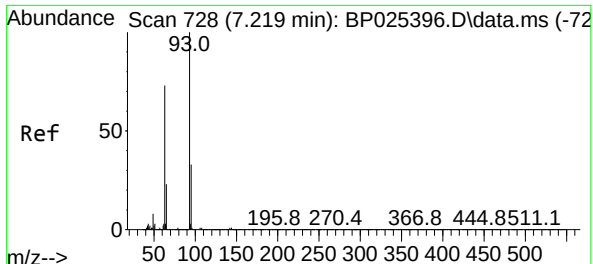
Tgt Ion: 77 Resp: 425209
Ion Ratio Lower Upper
77 100
105 100.5 84.8 124.8
106 94.6 80.5 120.5



#10
Phenol
Concen: 37.903 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 94 Resp: 510256
Ion Ratio Lower Upper
94 100
65 28.3 6.8 46.8
66 38.7 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 38.056 ng

RT: 7.213 min Scan# 71

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

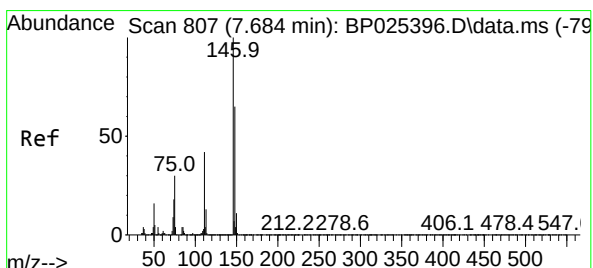
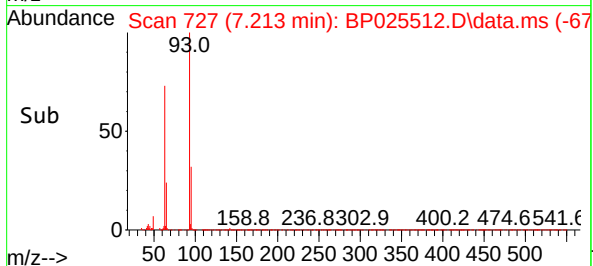
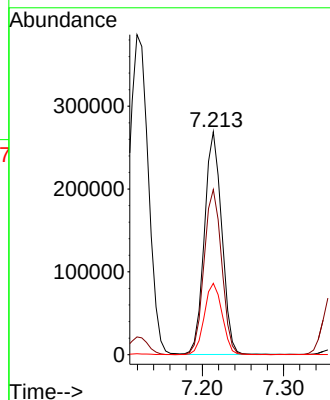
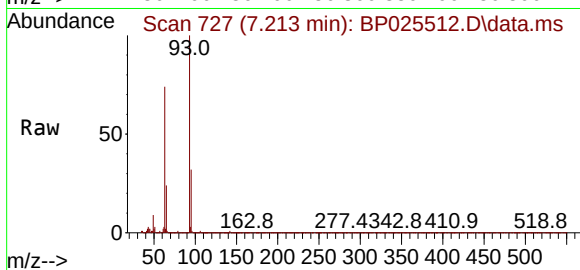
Tgt Ion: 93 Resp: 399309

Ion Ratio Lower Upper

93 100

63 74.1 52.6 92.6

95 32.0 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 40.104 ng

RT: 7.678 min Scan# 806

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

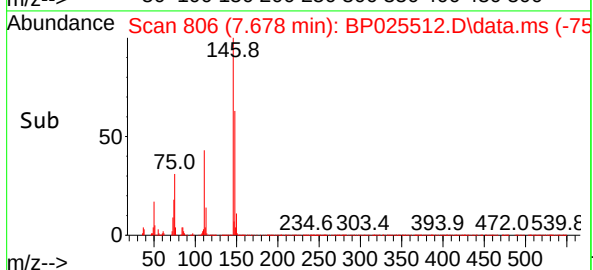
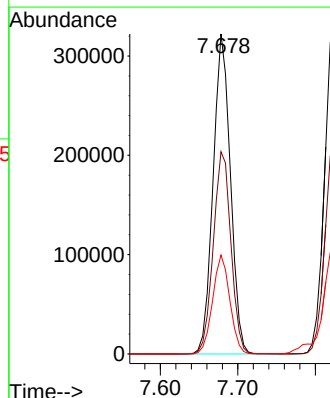
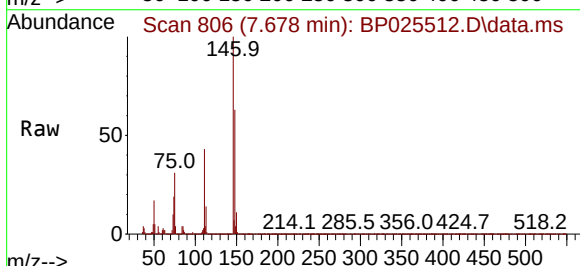
Tgt Ion: 146 Resp: 499346

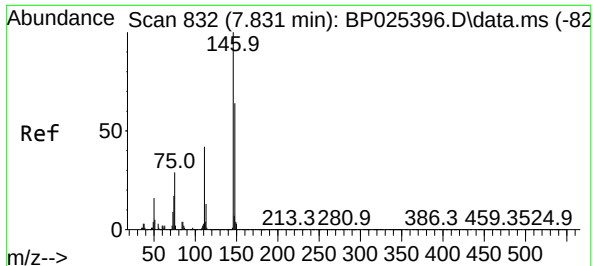
Ion Ratio Lower Upper

146 100

148 63.2 51.9 77.9

75 30.9 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 39.630 ng

RT: 7.819 min Scan# 81

Delta R.T. -0.012 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

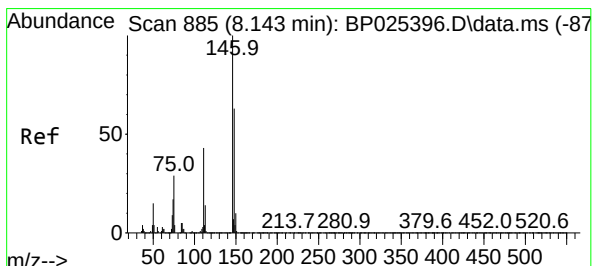
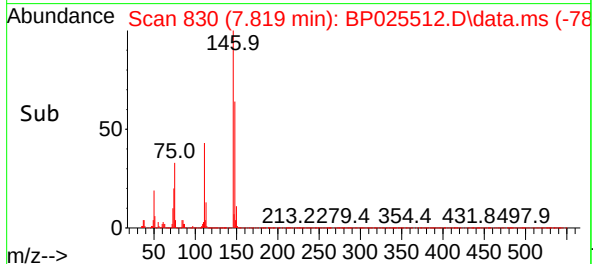
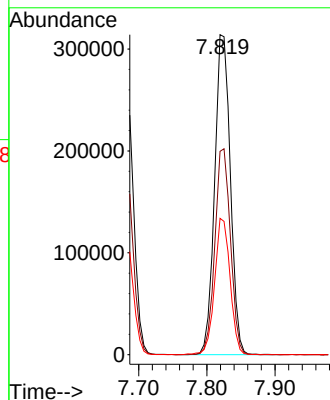
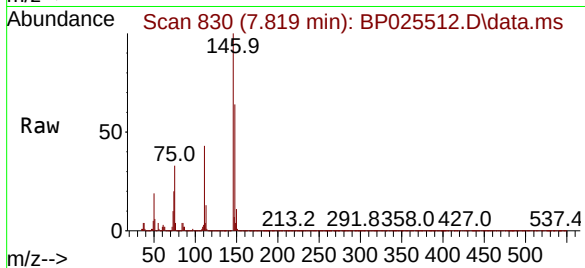
Tgt Ion:146 Resp: 504357

Ion Ratio Lower Upper

146 100

148 63.6 51.6 77.4

111 42.6 33.4 50.0



#14

1,2-Dichlorobenzene

Concen: 38.825 ng

RT: 8.137 min Scan# 884

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

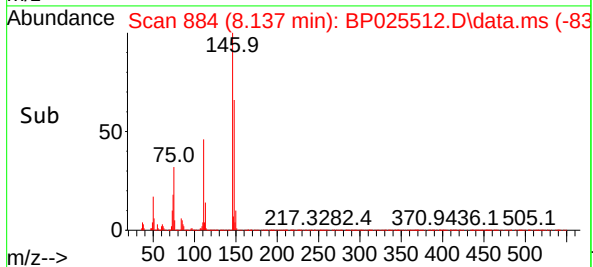
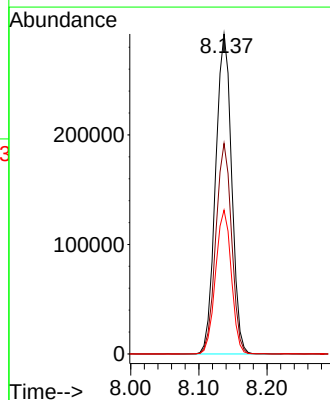
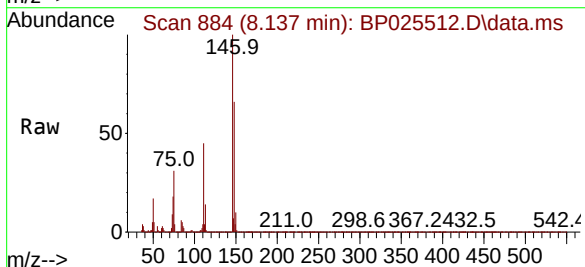
Tgt Ion:146 Resp: 478303

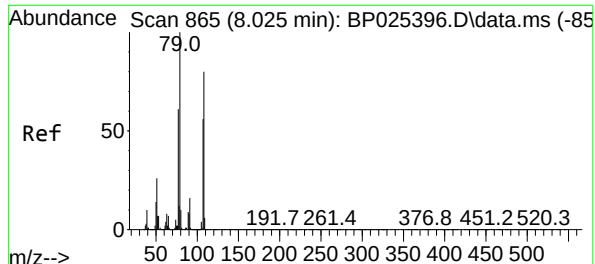
Ion Ratio Lower Upper

146 100

148 65.8 50.4 75.6

111 45.0 34.5 51.7





#15

Benzyl Alcohol

Concen: 36.921 ng

RT: 8.025 min Scan# 865

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

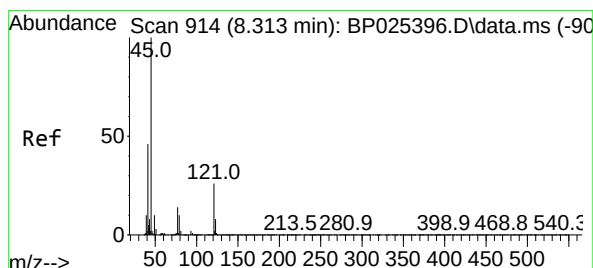
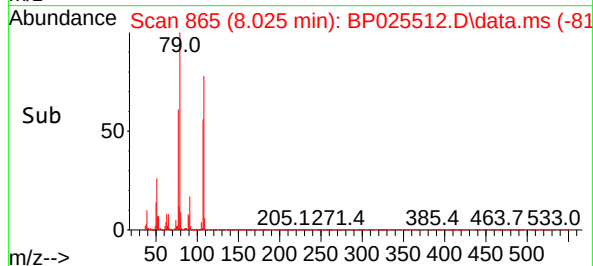
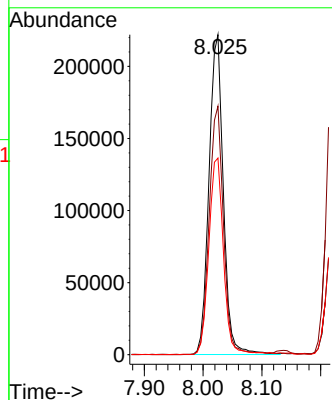
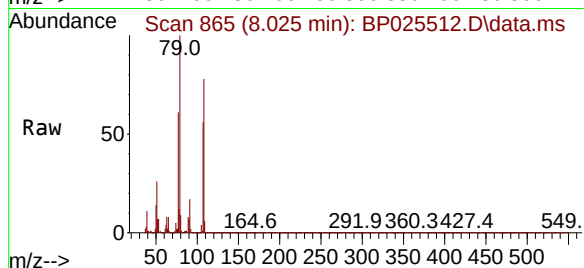
Tgt Ion: 79 Resp: 376366

Ion Ratio Lower Upper

79 100

108 77.7 63.8 95.6

77 61.4 49.0 73.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.945 ng

RT: 8.313 min Scan# 914

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

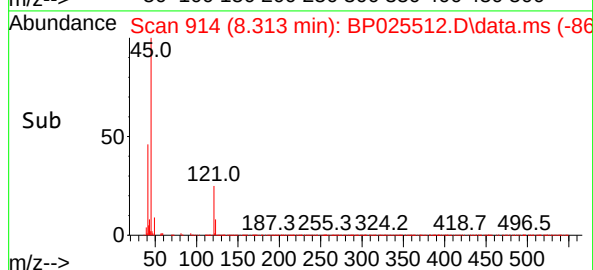
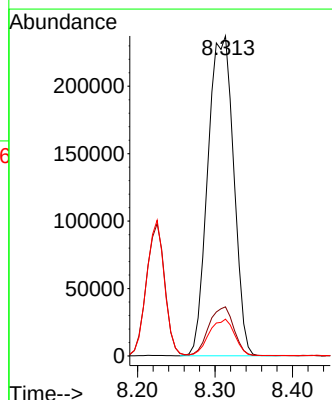
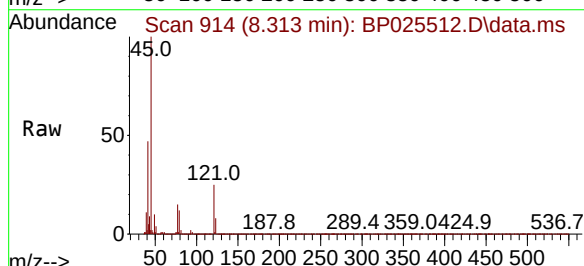
Tgt Ion: 45 Resp: 547414

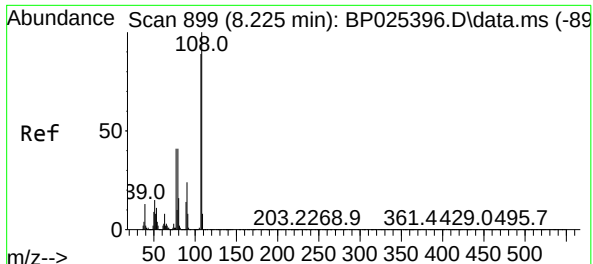
Ion Ratio Lower Upper

45 100

77 15.4 0.0 35.3

79 11.5 0.0 31.8





#17

2-Methylphenol

Concen: 37.654 ng

RT: 8.225 min Scan# 899

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 352050

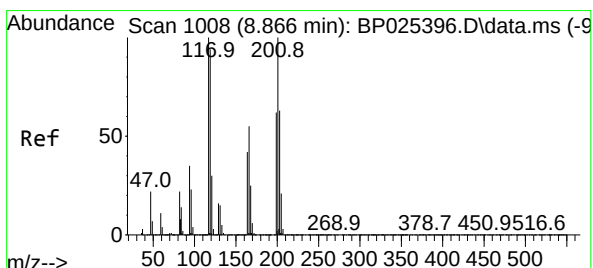
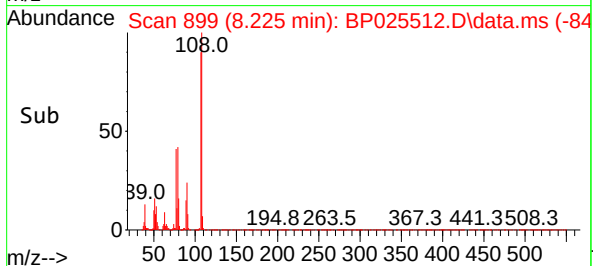
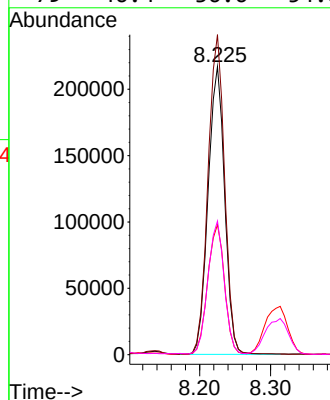
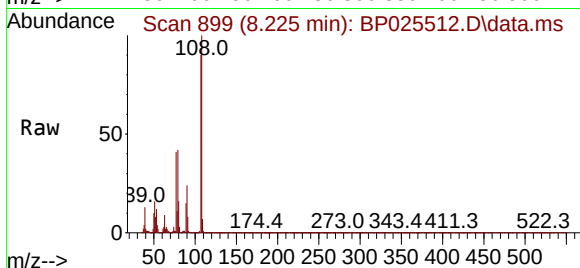
Ion Ratio Lower Upper

107 100

108 111.0 89.4 134.0

77 45.2 36.3 54.5

79 46.4 36.6 54.8



#18

Hexachloroethane

Concen: 41.047 ng

RT: 8.860 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

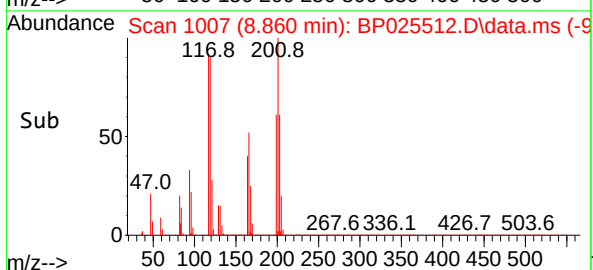
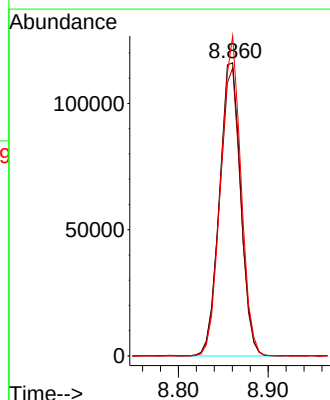
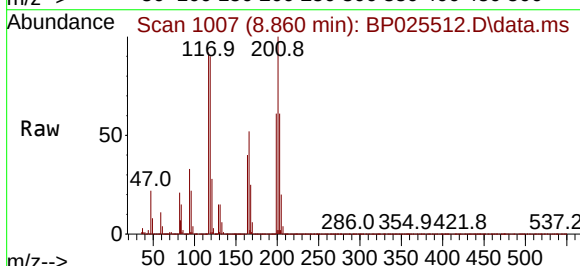
Tgt Ion:117 Resp: 192071

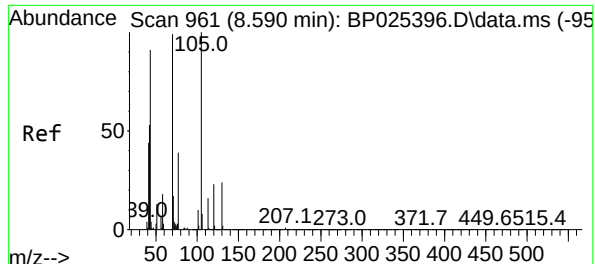
Ion Ratio Lower Upper

117 100

119 98.3 75.1 112.7

201 109.2 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 35.024 ng

RT: 8.578 min Scan# 91

Delta R.T. -0.012 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 297628

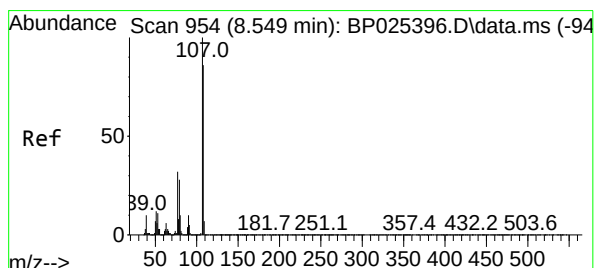
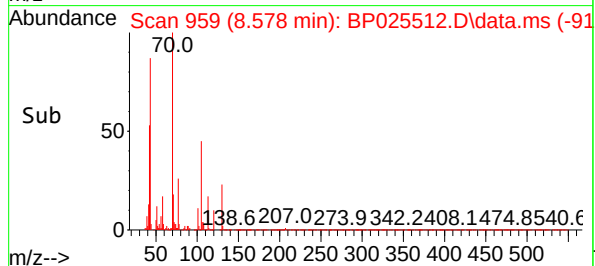
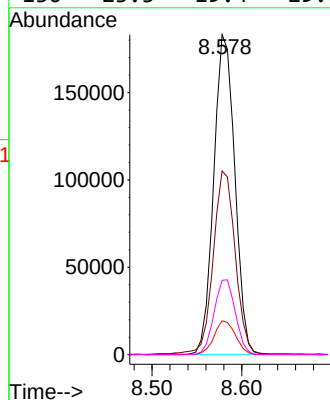
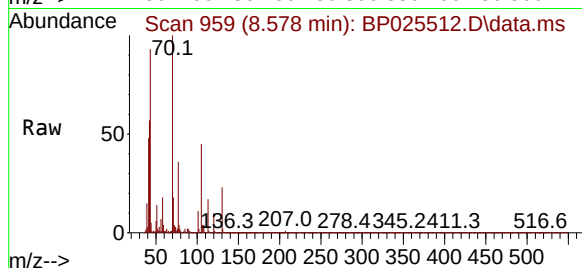
Ion Ratio Lower Upper

70 100

42 57.4 43.8 65.6

101 10.6 8.5 12.7

130 23.3 19.4 29.0



#20

3+4-Methylphenols

Concen: 35.797 ng

RT: 8.543 min Scan# 953

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Tgt Ion: 107 Resp: 463927

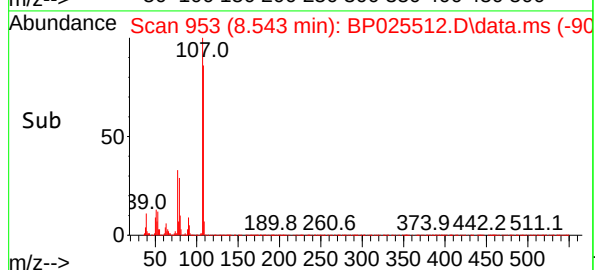
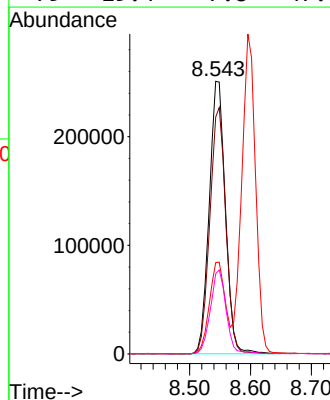
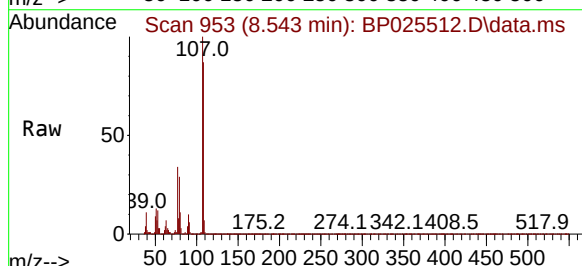
Ion Ratio Lower Upper

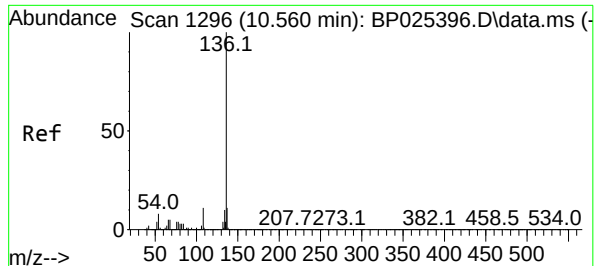
107 100

108 86.9 66.3 106.3

77 33.5 12.3 52.3

79 29.4 7.8 47.8

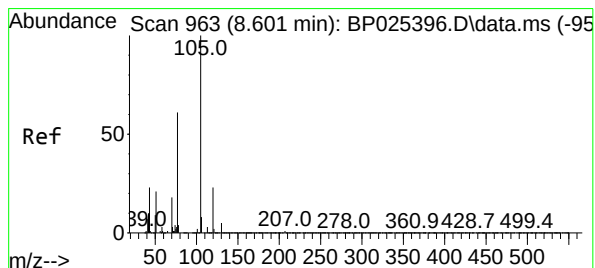
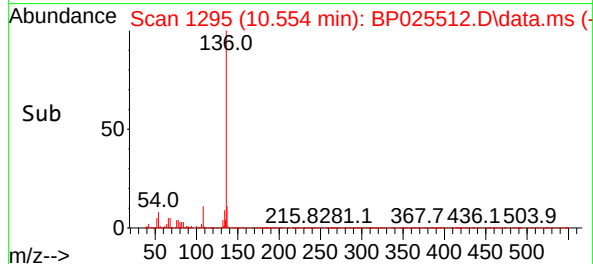
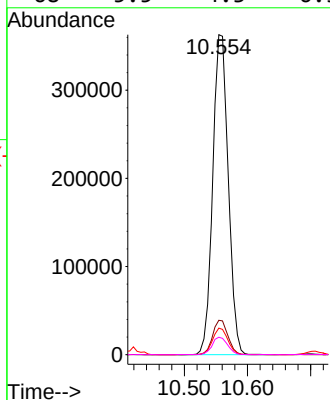
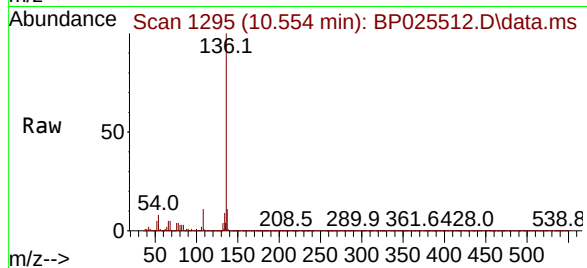




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

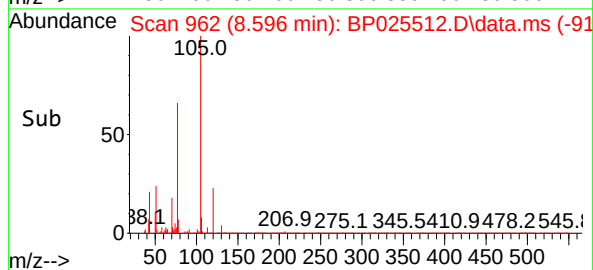
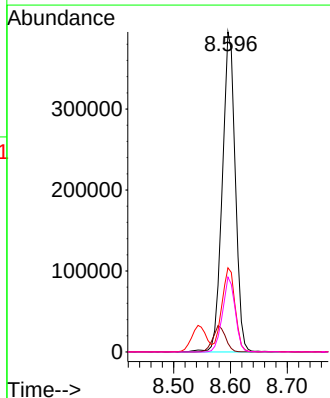
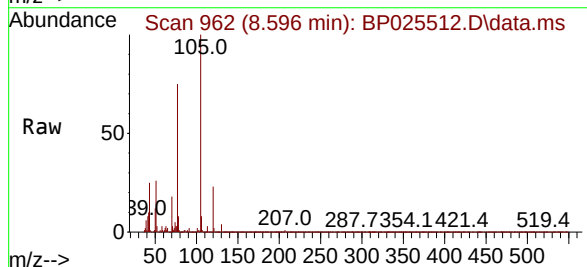
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

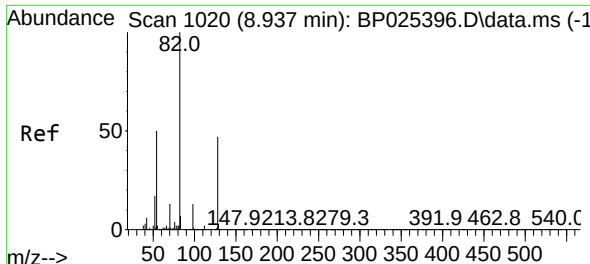
Tgt Ion:	136	Resp:	619421
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.2	13.8
54	8.3	6.0	9.0
68	5.5	4.3	6.5



#22
Acetophenone
Concen: 40.553 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:	105	Resp:	629950
Ion Ratio	Lower	Upper	
105	100		
71	2.7	2.6	4.0
51	26.3	20.6	30.8
120	23.4	18.6	27.8





#23

Nitrobenzene-d5

Concen: 82.828 ng

RT: 8.925 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

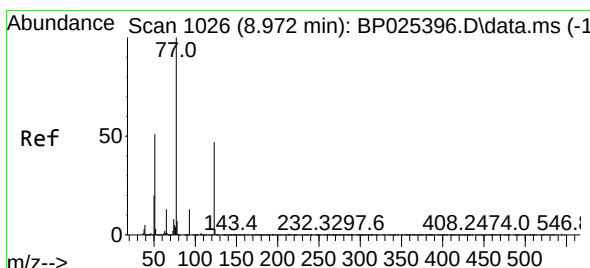
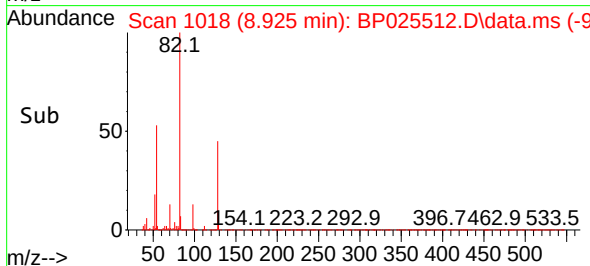
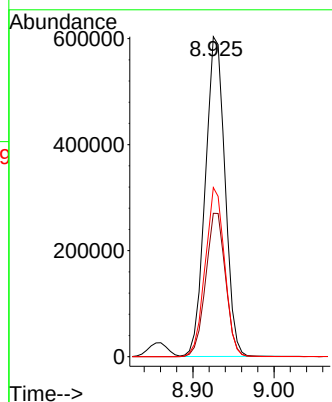
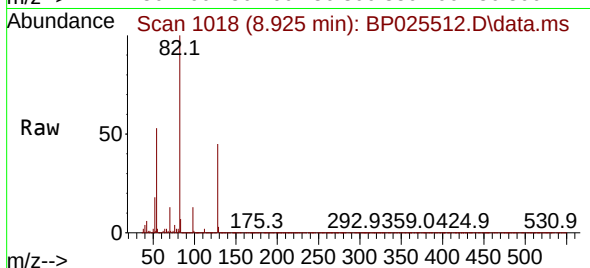
BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 1014236

Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.7	56.5
54	52.9	39.8	59.6



#24

Nitrobenzene

Concen: 41.561 ng

RT: 8.972 min Scan# 1026

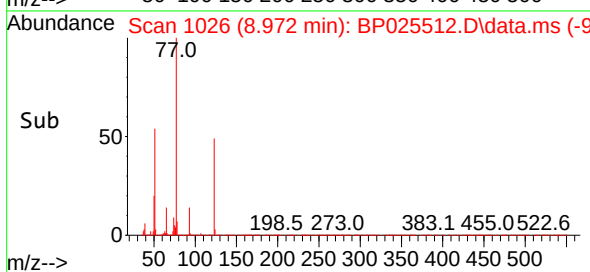
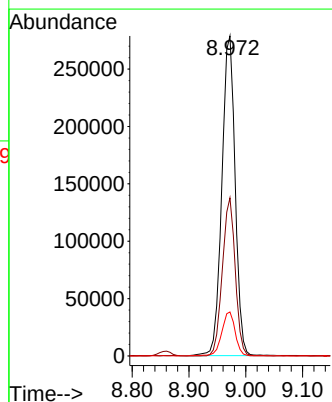
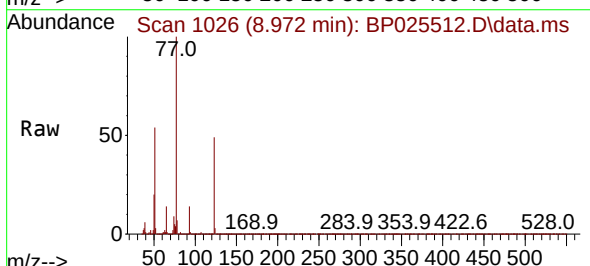
Delta R.T. 0.000 min

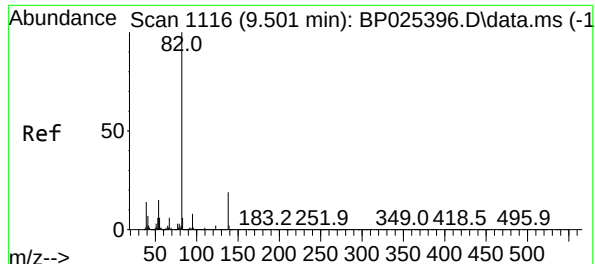
Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Tgt Ion: 77 Resp: 454821

Ion	Ratio	Lower	Upper
77	100		
123	49.4	38.6	58.0
65	13.8	10.6	15.8





#25

Isophorone

Concen: 37.972 ng

RT: 9.496 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

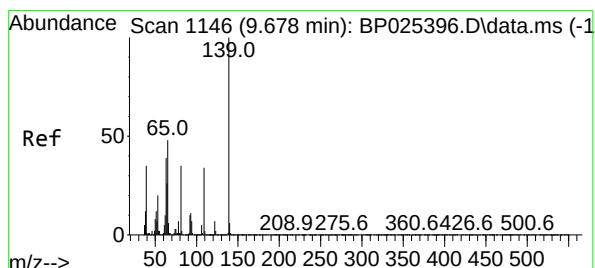
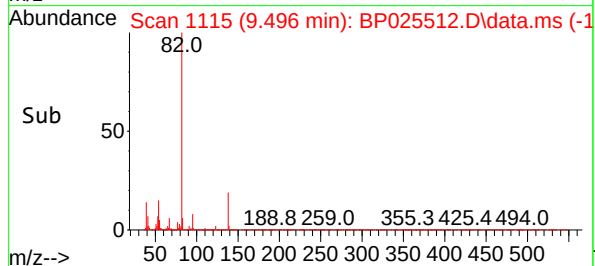
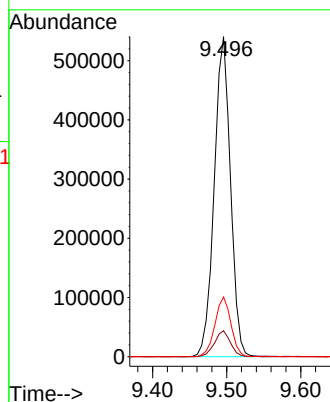
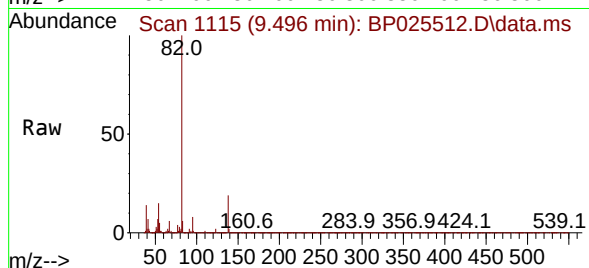
Tgt Ion: 82 Resp: 822867

Ion Ratio Lower Upper

82 100

95 8.1 6.4 9.6

138 18.6 15.4 23.0



#26

2-Nitrophenol

Concen: 41.515 ng

RT: 9.672 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

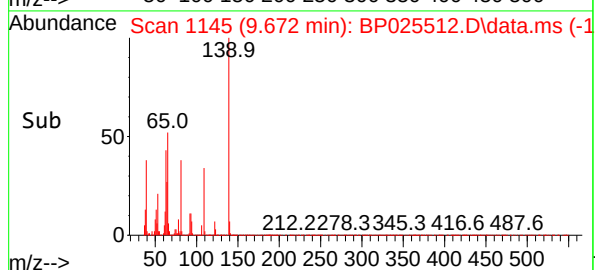
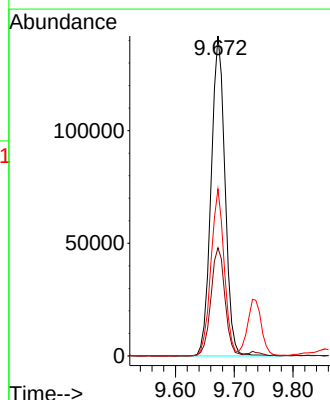
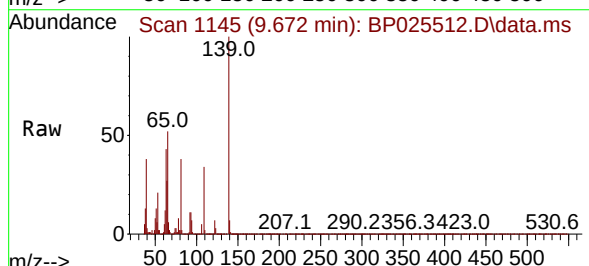
Tgt Ion: 139 Resp: 233161

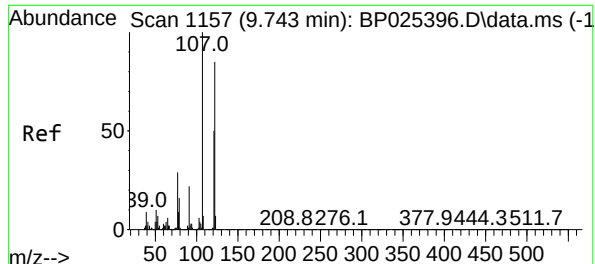
Ion Ratio Lower Upper

139 100

109 33.8 26.9 40.3

65 52.2 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 39.508 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

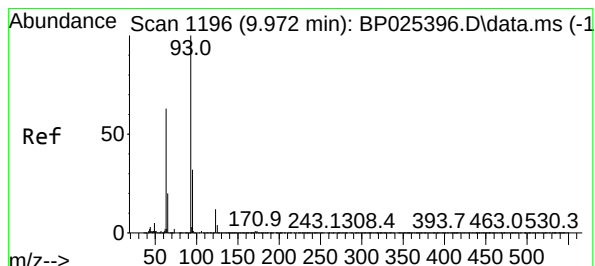
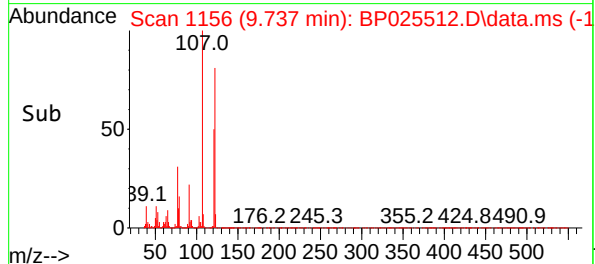
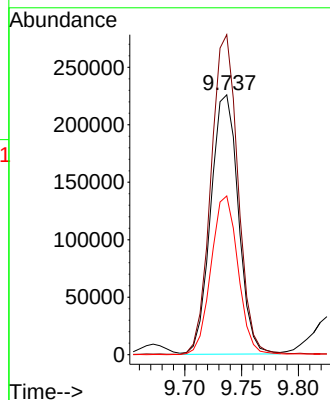
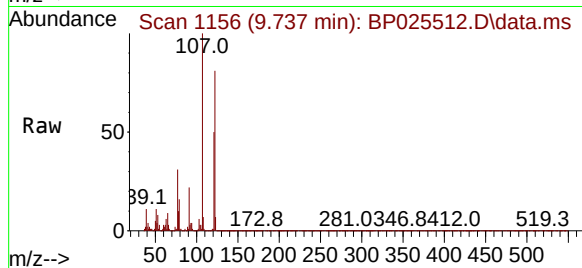
Tgt Ion:122 Resp: 381587

Ion Ratio Lower Upper

122 100

107 123.1 93.7 140.5

121 61.1 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 39.085 ng

RT: 9.966 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

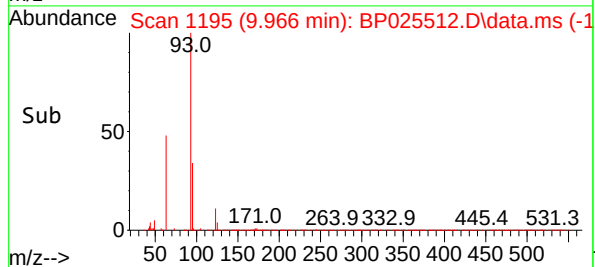
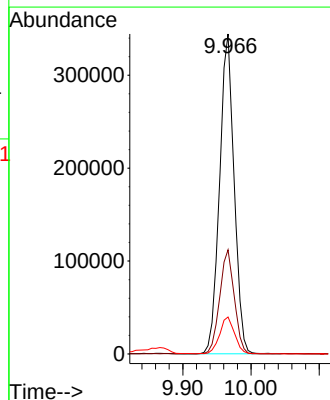
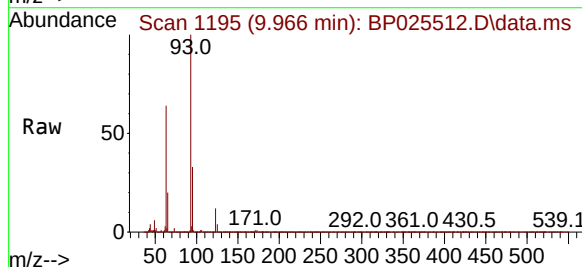
Tgt Ion: 93 Resp: 511989

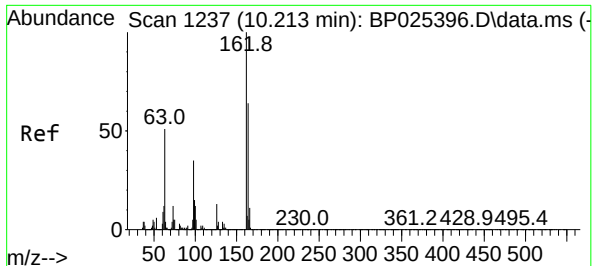
Ion Ratio Lower Upper

93 100

95 32.5 25.4 38.0

123 11.5 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 40.068 ng

RT: 10.207 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

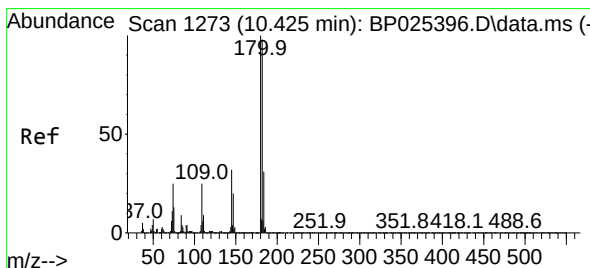
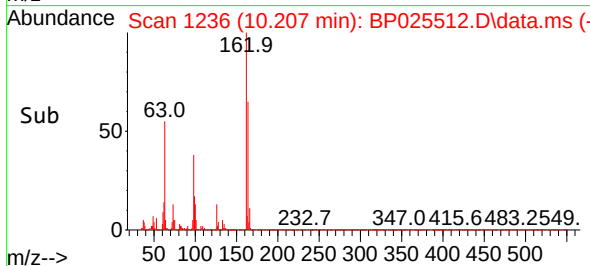
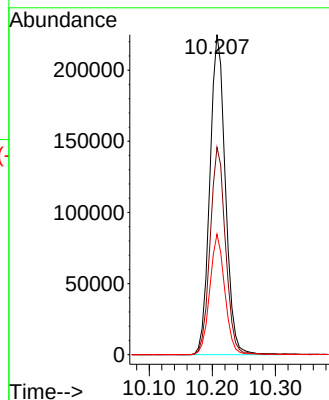
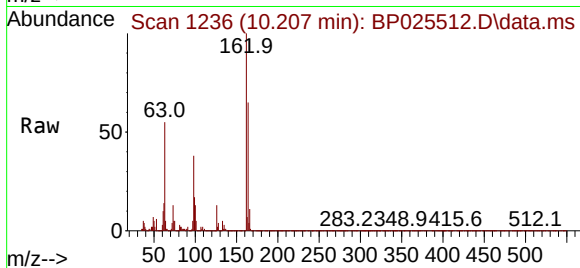
Tgt Ion:162 Resp: 384438

Ion Ratio Lower Upper

162 100

164 64.8 44.4 84.4

98 37.6 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 40.786 ng

RT: 10.419 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

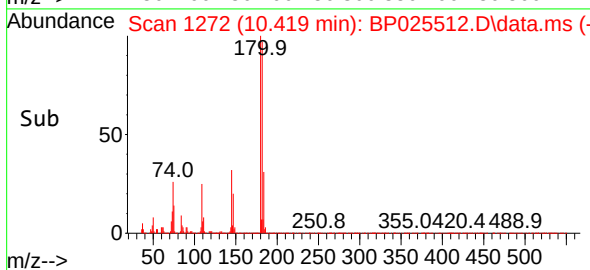
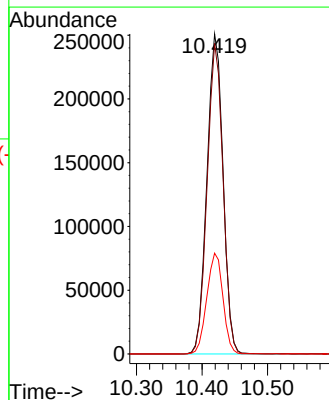
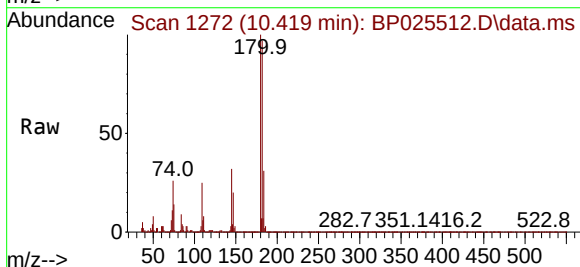
Tgt Ion:180 Resp: 428971

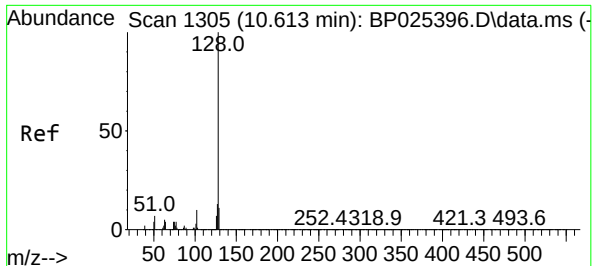
Ion Ratio Lower Upper

180 100

182 97.0 78.0 117.0

145 31.5 25.9 38.9

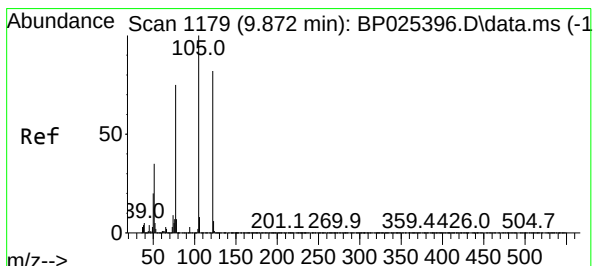
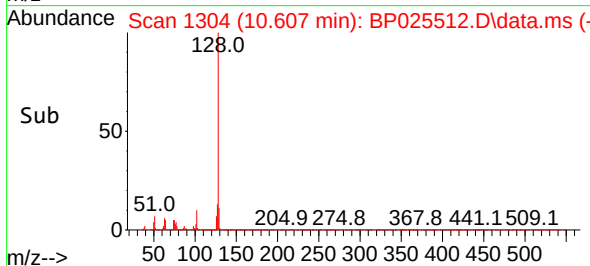
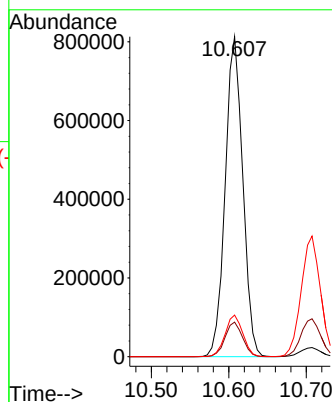
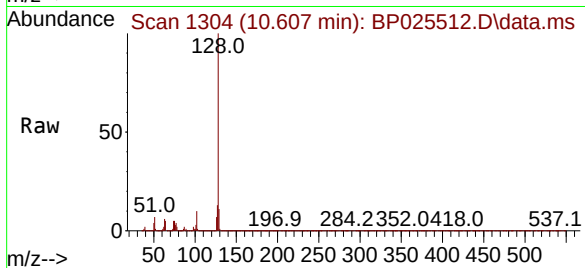




#31
Naphthalene
Concen: 39.747 ng
RT: 10.607 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

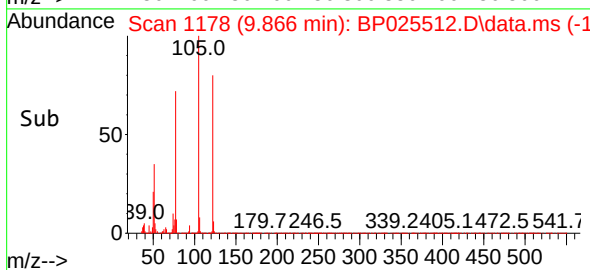
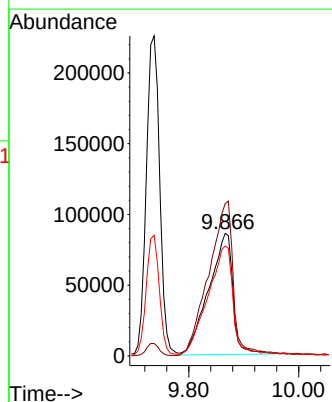
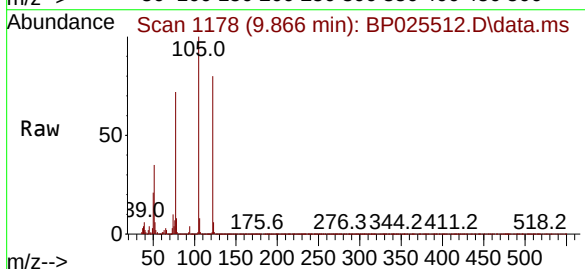
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

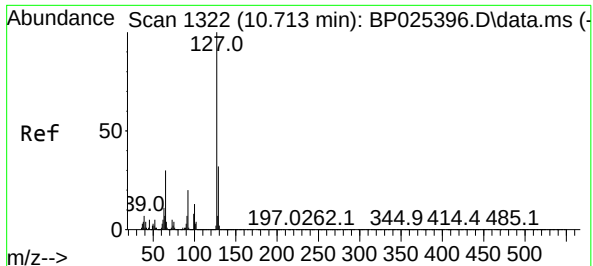
Tgt Ion:128 Resp: 1279654
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.0 10.7 16.1



#32
Benzoic acid
Concen: 36.722 ng
RT: 9.866 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:122 Resp: 261847
Ion Ratio Lower Upper
122 100
105 124.3 100.6 140.6
77 89.7 71.5 111.5

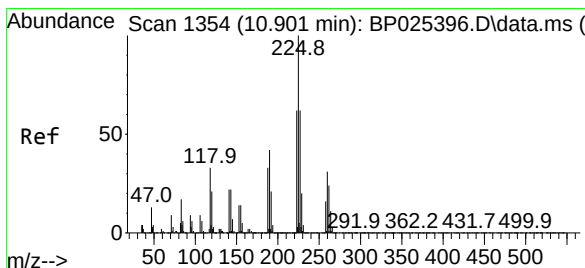
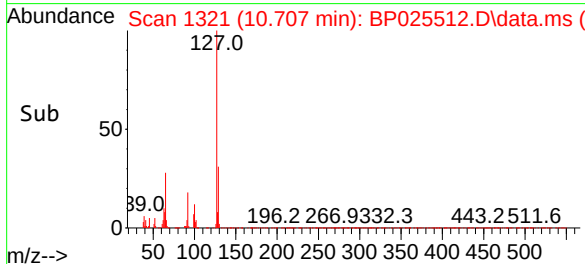
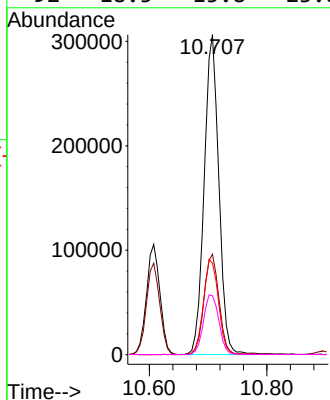
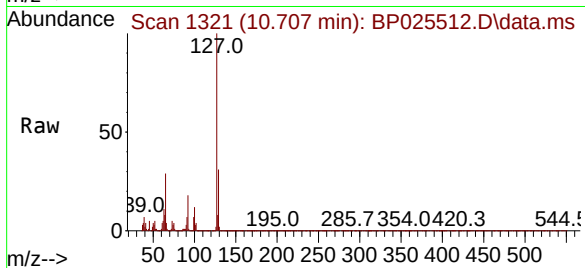




#33
4-Chloroaniline
Concen: 37.353 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

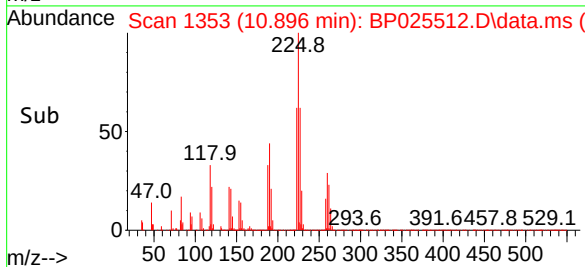
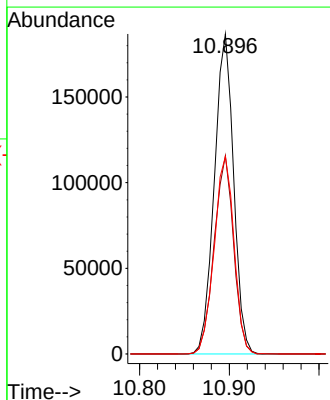
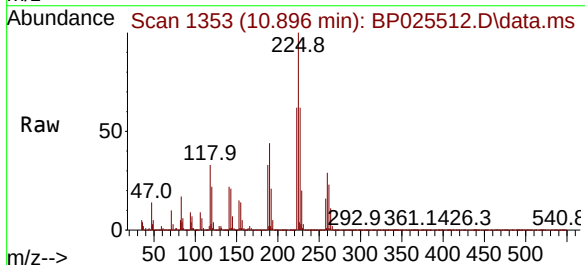
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

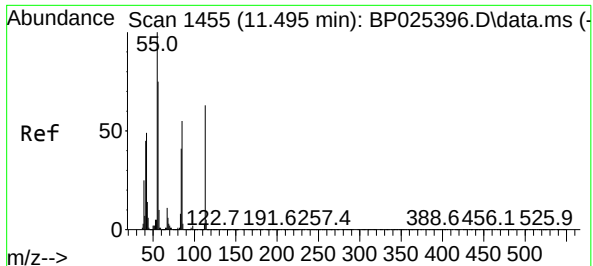
Tgt Ion:	127	Resp:	531205
Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.4	38.2
65	28.5	23.8	35.6
92	18.5	15.8	23.8



#34
Hexachlorobutadiene
Concen: 42.538 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:	225	Resp:	278633
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.0	75.0
227	61.7	49.7	74.5





#35

Caprolactam

Concen: 32.534 ng

RT: 11.490 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

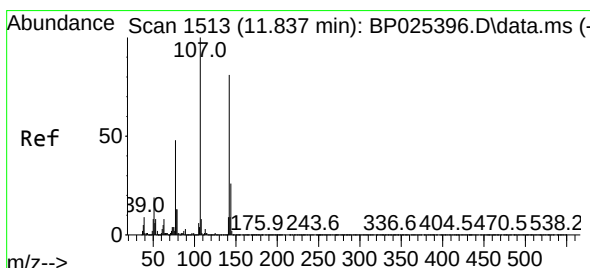
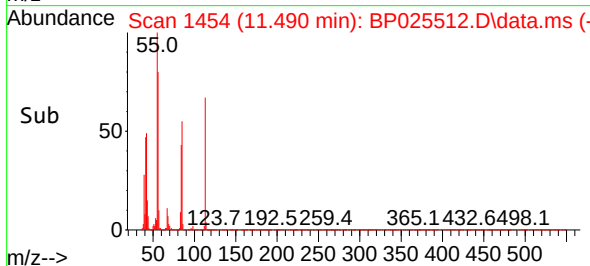
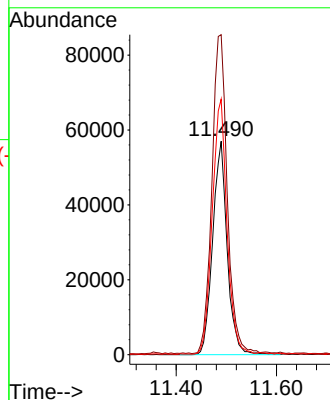
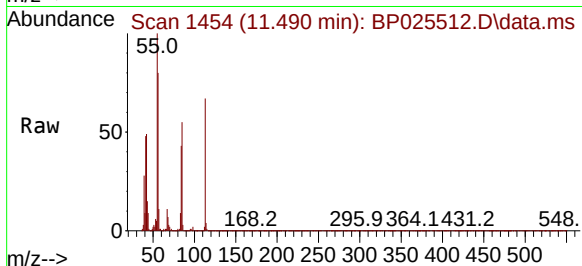
Tgt Ion:113 Resp: 114461

Ion Ratio Lower Upper

113 100

55 149.9 140.0 180.0

56 119.7 100.0 140.0



#36

4-Chloro-3-methylphenol

Concen: 36.511 ng

RT: 11.837 min Scan# 1513

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

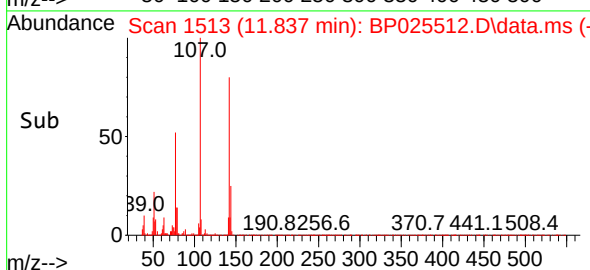
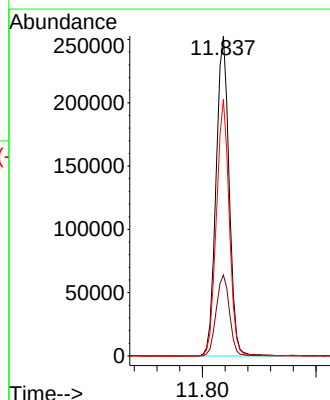
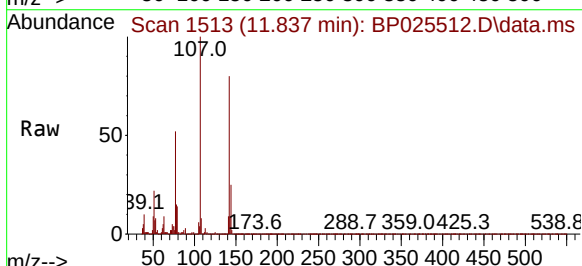
Tgt Ion:107 Resp: 401963

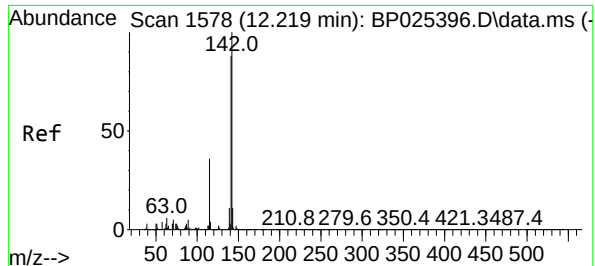
Ion Ratio Lower Upper

107 100

144 25.3 21.0 31.4

142 80.2 64.6 97.0

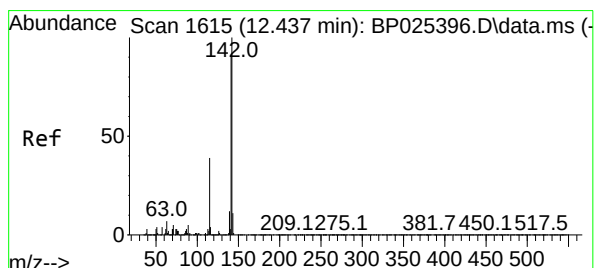
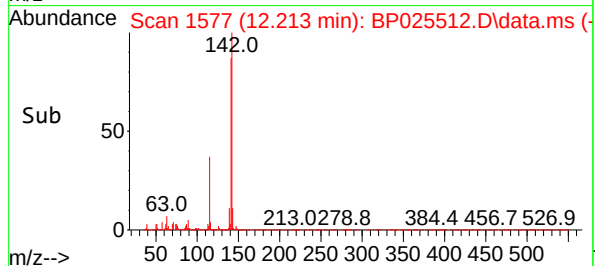
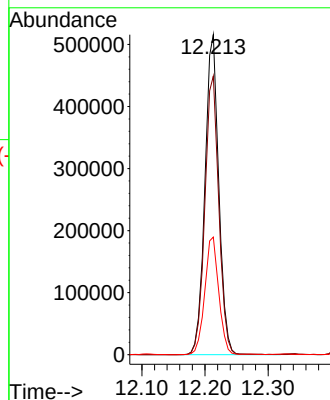
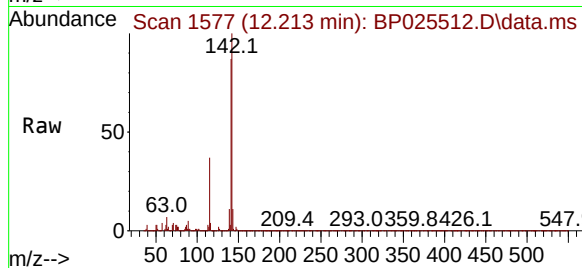




#37
2-Methylnaphthalene
Concen: 37.407 ng
RT: 12.213 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

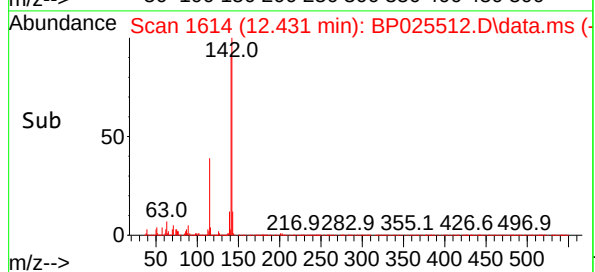
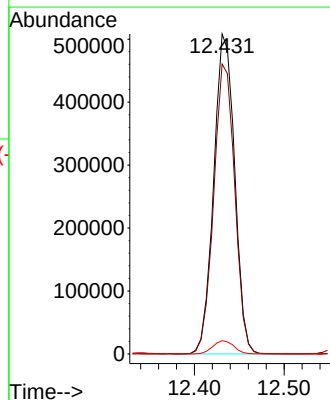
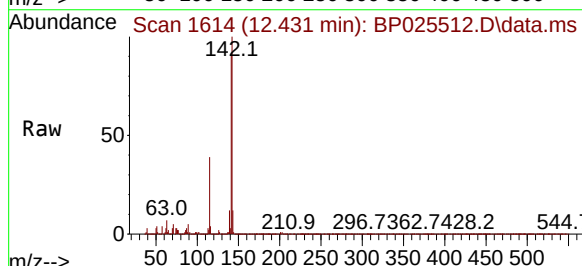
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

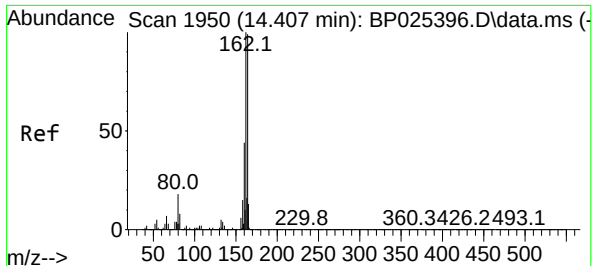
Tgt Ion:142 Resp: 783727
Ion Ratio Lower Upper
142 100
141 87.0 70.3 105.5
115 36.8 28.9 43.3



#38
1-Methylnaphthalene
Concen: 36.937 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:142 Resp: 822994
Ion Ratio Lower Upper
142 100
141 90.6 73.1 109.7
116 4.2 3.2 4.8

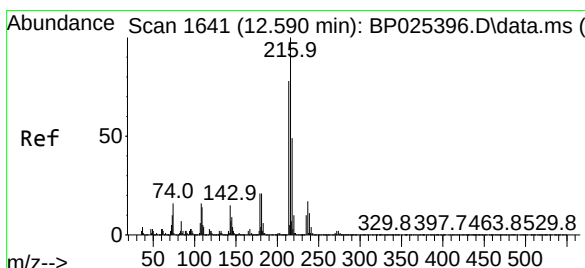
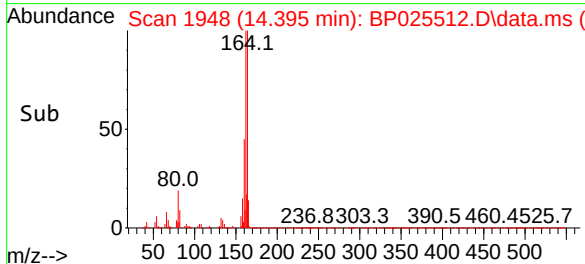
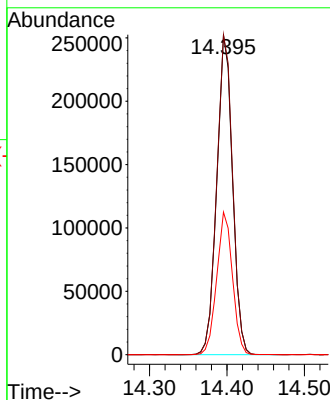
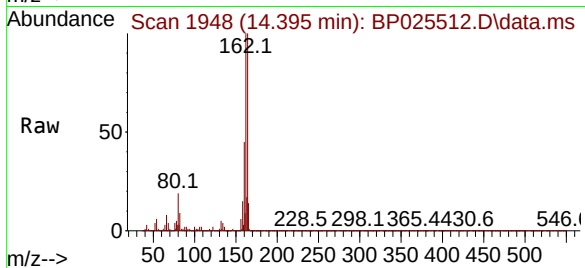




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

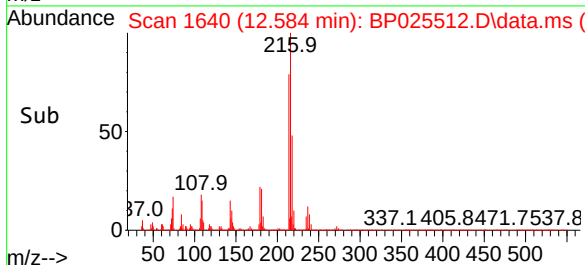
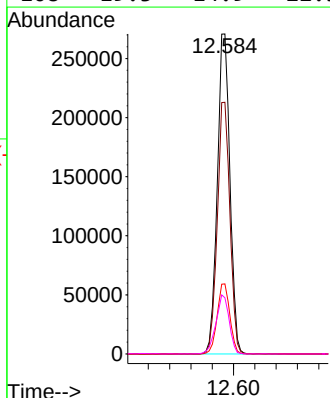
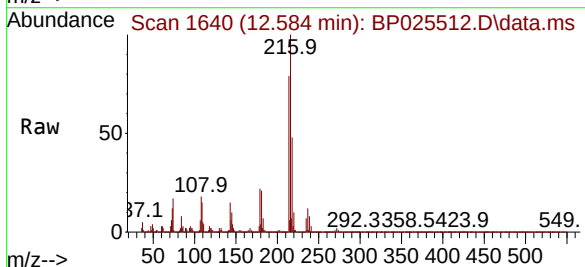
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

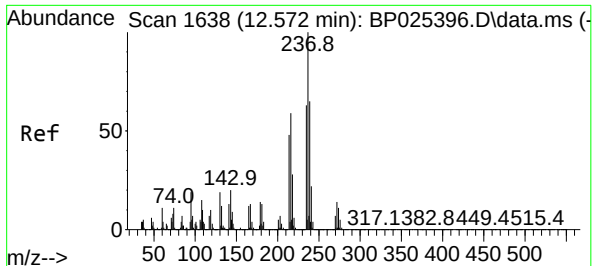
Tgt Ion:164 Resp: 355189
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.6
160 44.6 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.350 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:216 Resp: 444699
Ion Ratio Lower Upper
216 100
214 78.3 63.0 94.4
179 22.0 17.1 25.7
108 19.3 14.9 22.3

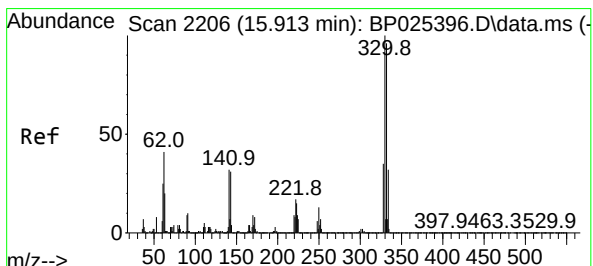
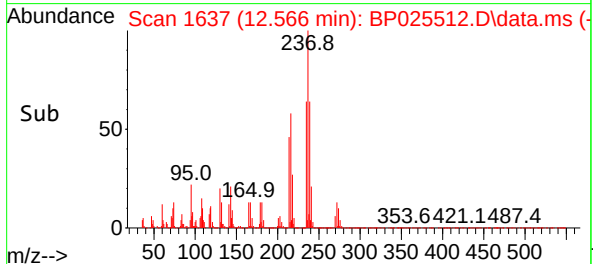
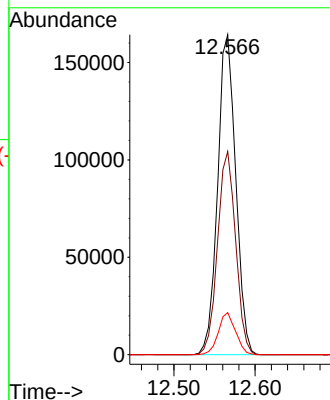
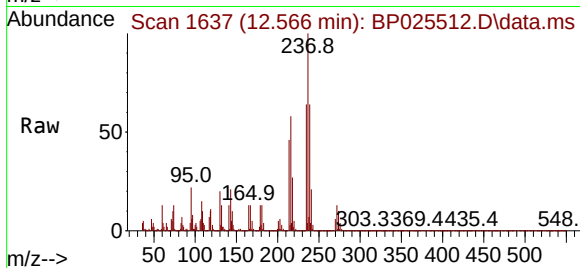




#41
Hexachlorocyclopentadiene
Concen: 41.195 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

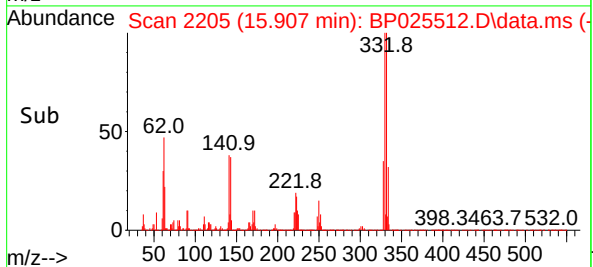
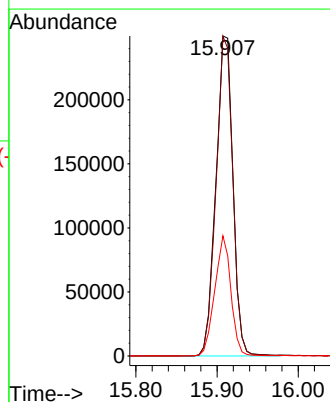
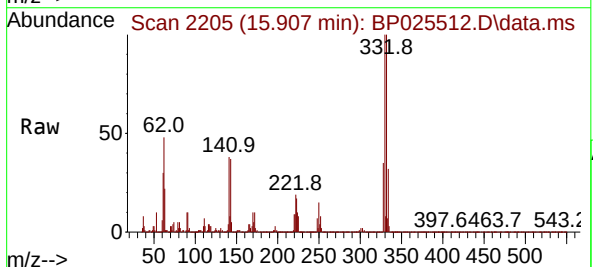
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

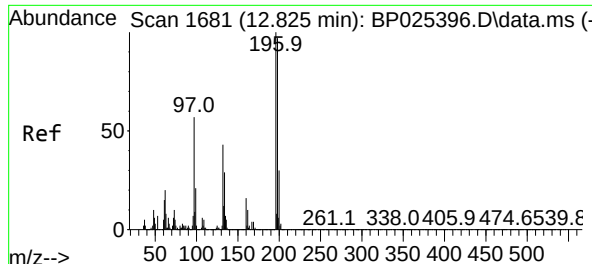
Tgt Ion:237 Resp: 255262
Ion Ratio Lower Upper
237 100
235 63.5 42.7 82.7
272 13.1 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 76.447 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:330 Resp: 365485
Ion Ratio Lower Upper
330 100
332 98.1 77.3 115.9
141 35.5 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 42.446 ng

RT: 12.825 min Scan# 1681

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

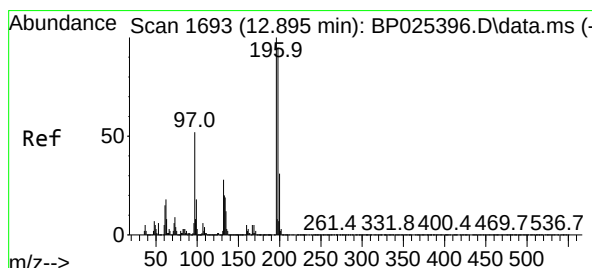
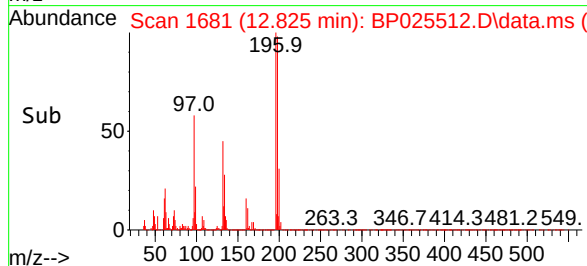
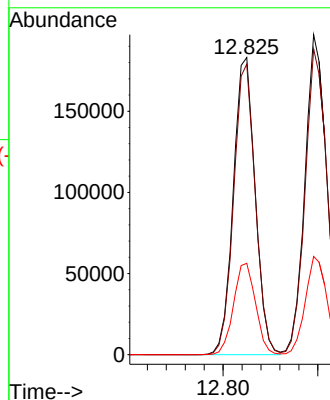
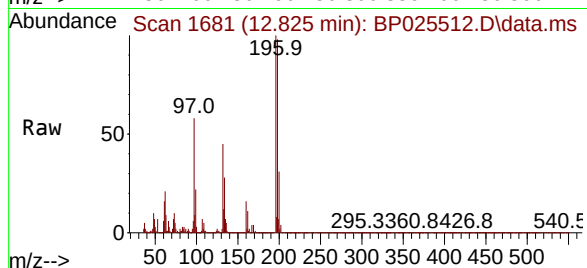
Tgt Ion:196 Resp: 293959

Ion Ratio Lower Upper

196 100

198 97.8 77.2 115.8

200 30.7 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 41.744 ng

RT: 12.896 min Scan# 1693

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Tgt Ion:196 Resp: 316844

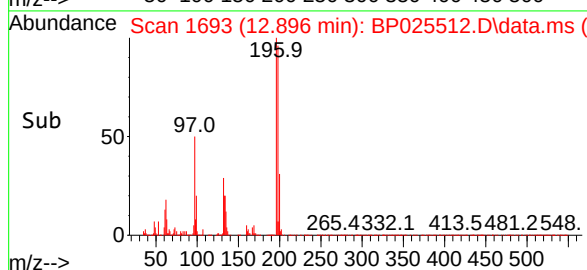
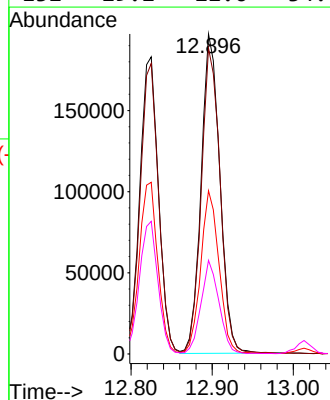
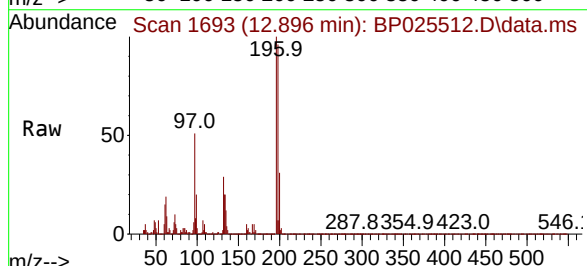
Ion Ratio Lower Upper

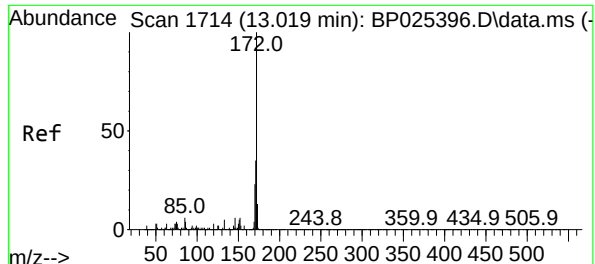
196 100

198 95.6 76.2 114.2

97 51.0 41.2 61.8

132 29.2 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 83.434 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

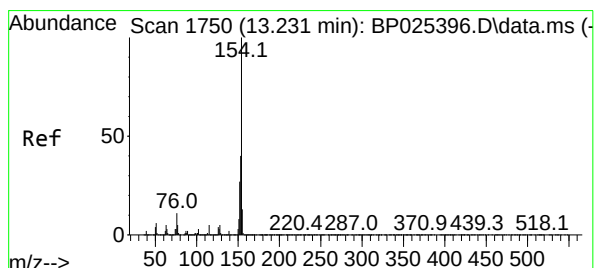
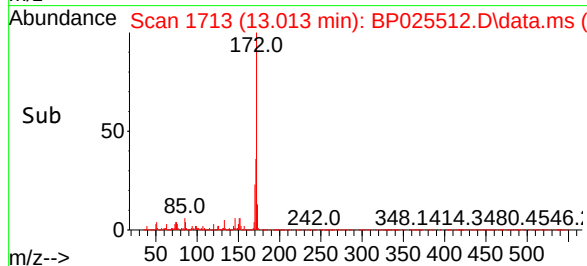
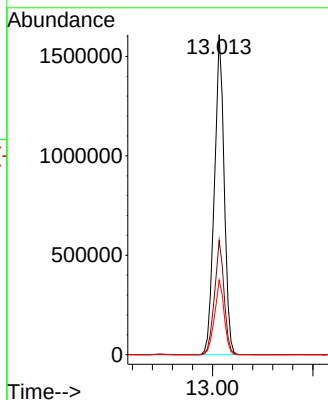
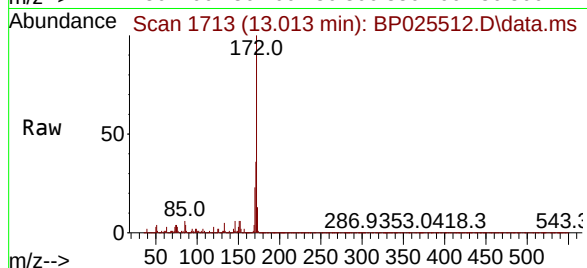
Tgt Ion:172 Resp: 2168370

Ion Ratio Lower Upper

172 100

171 35.7 28.1 42.1

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 41.508 ng

RT: 13.225 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

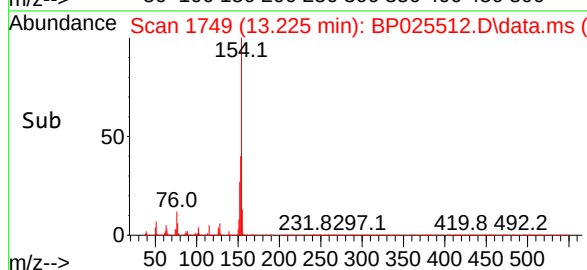
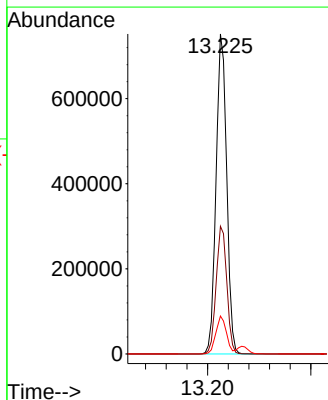
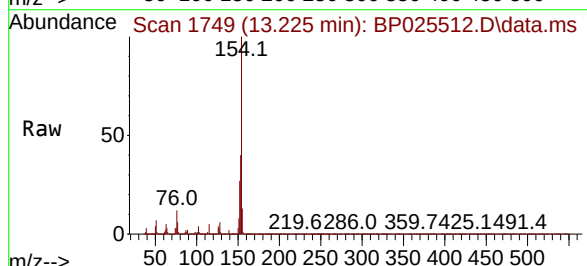
Tgt Ion:154 Resp: 1070736

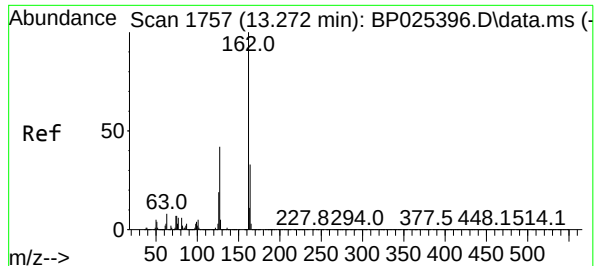
Ion Ratio Lower Upper

154 100

153 39.9 19.5 59.5

76 11.9 0.0 31.1





#47

2-Chloronaphthalene

Concen: 41.219 ng

RT: 13.266 min Scan# 1756

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

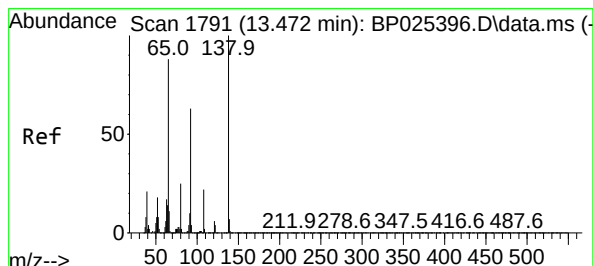
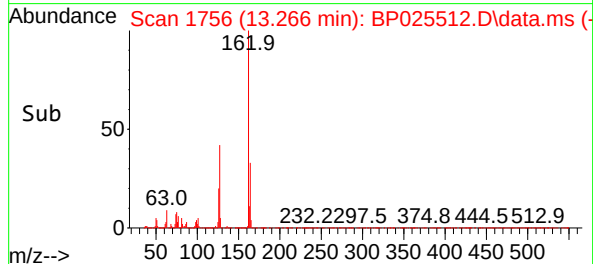
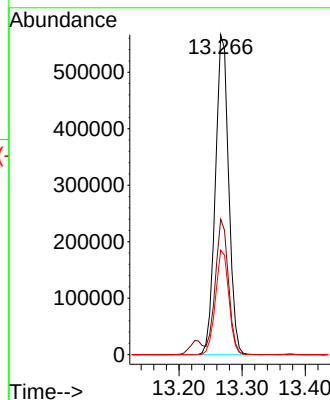
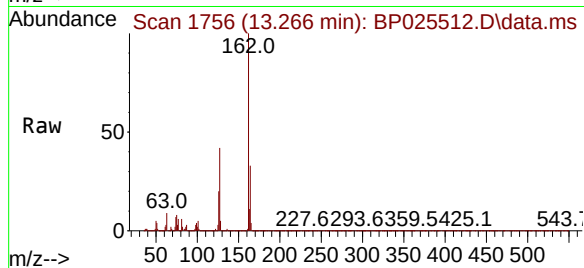
Tgt Ion:162 Resp: 827743

Ion Ratio Lower Upper

162 100

127 42.3 33.4 50.2

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 41.628 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

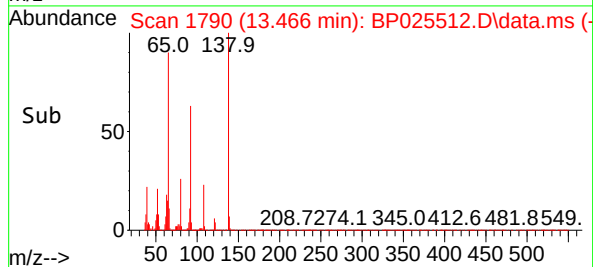
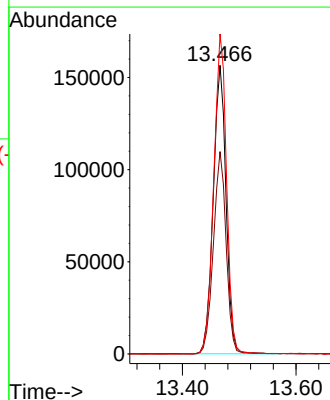
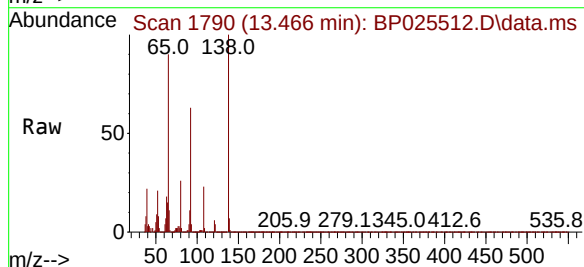
Tgt Ion: 65 Resp: 243579

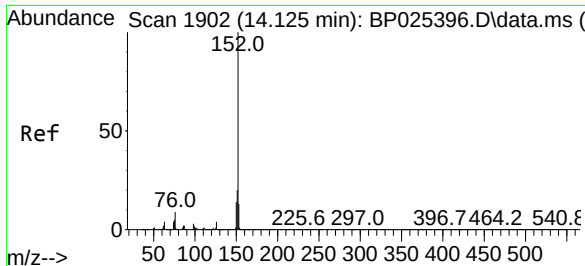
Ion Ratio Lower Upper

65 100

92 70.1 57.6 86.4

138 110.9 91.0 136.6

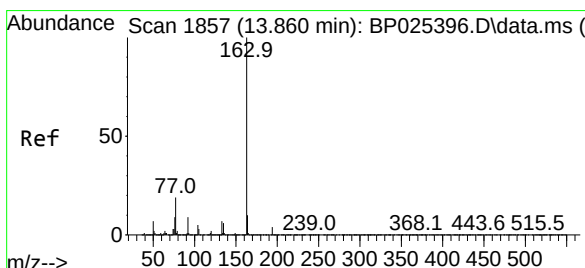
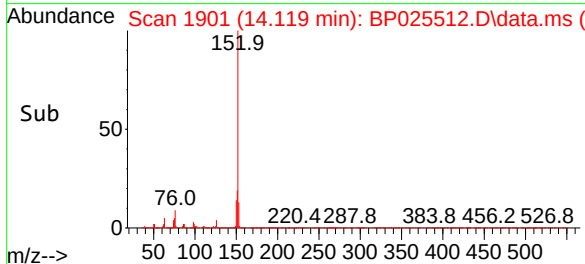
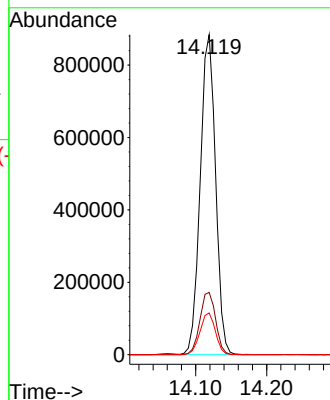
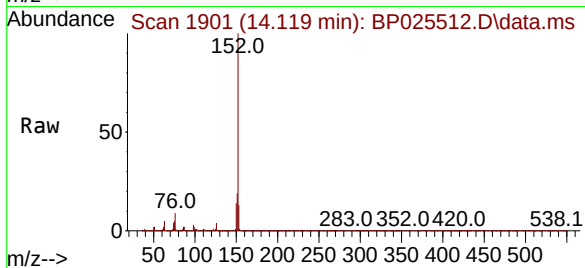




#49
Acenaphthylene
Concen: 40.001 ng
RT: 14.119 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

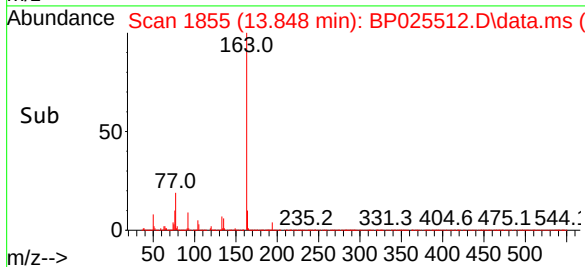
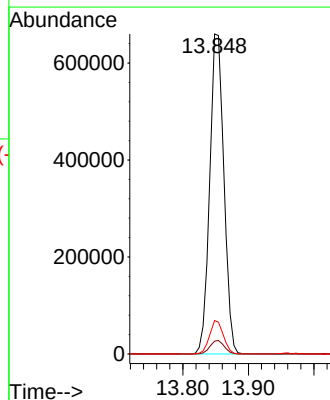
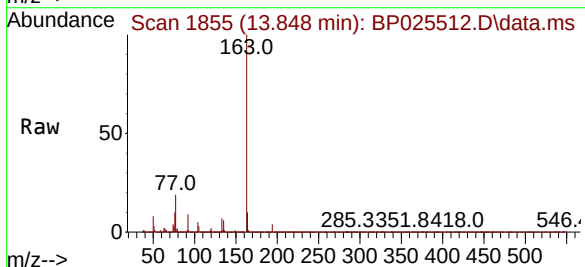
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

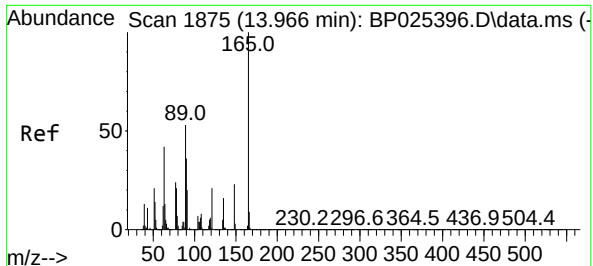
Tgt Ion:152 Resp: 1329242
Ion Ratio Lower Upper
152 100
151 19.5 16.0 24.0
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 38.219 ng
RT: 13.848 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:163 Resp: 994069
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.4 7.9 11.9

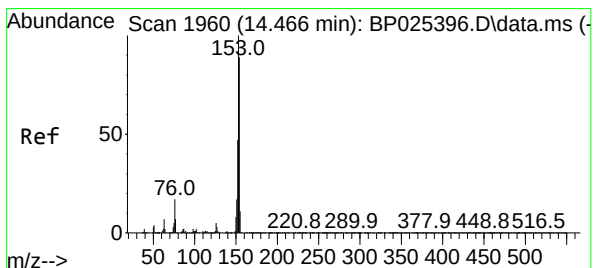
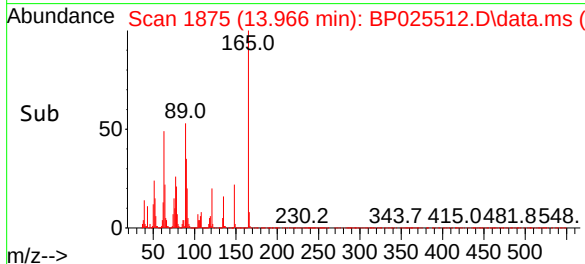
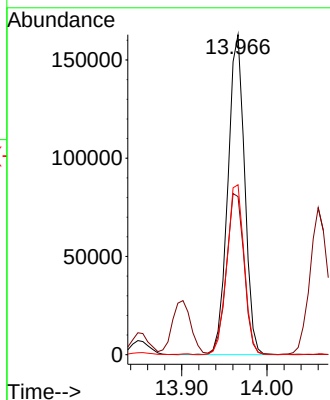
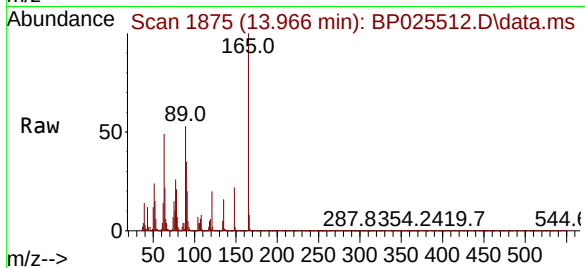




#51
2,6-Dinitrotoluene
Concen: 40.576 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

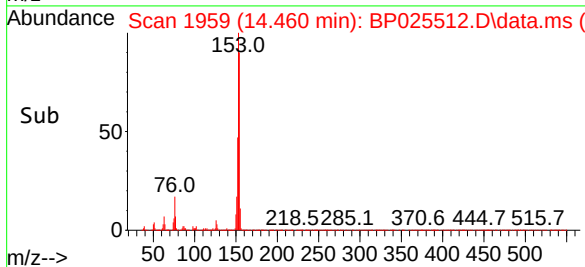
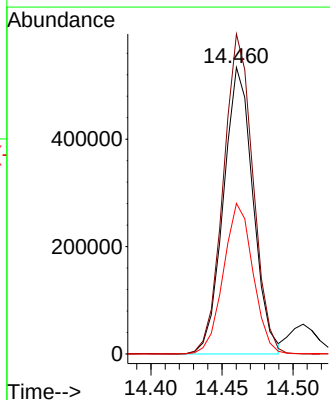
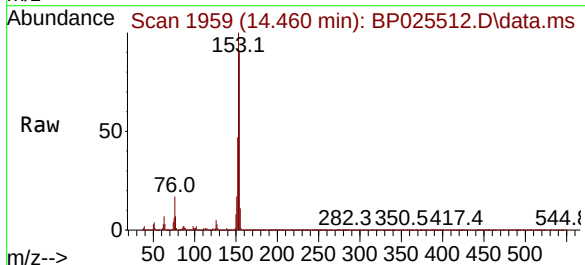
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

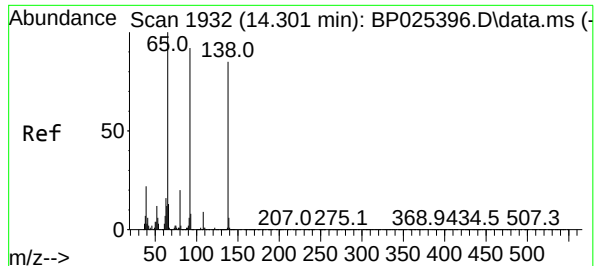
Tgt Ion:165 Resp: 222447
Ion Ratio Lower Upper
165 100
63 49.4 40.9 61.3
89 53.1 42.1 63.1



#52
Acenaphthene
Concen: 39.546 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:154 Resp: 771351
Ion Ratio Lower Upper
154 100
153 111.7 90.2 135.2
152 52.5 42.1 63.1

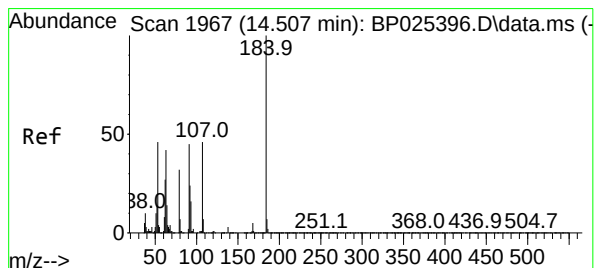
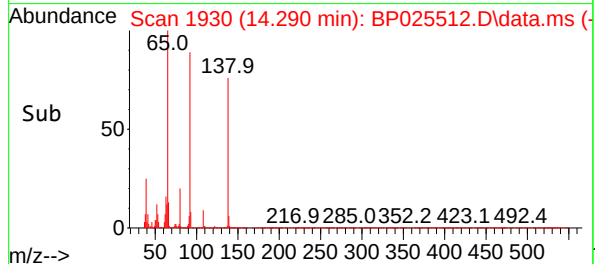
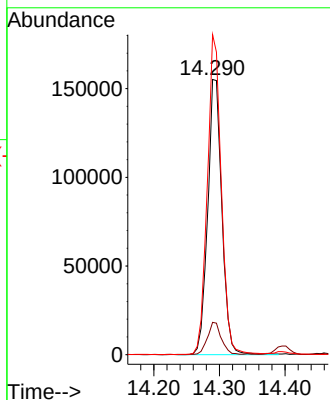
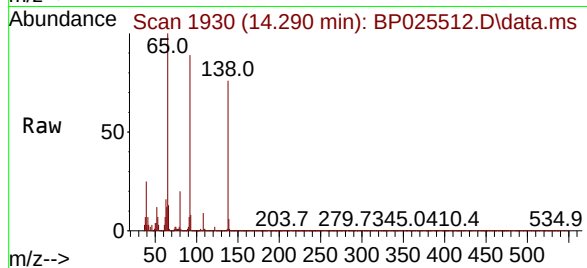




#53
3-Nitroaniline
Concen: 37.912 ng
RT: 14.290 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

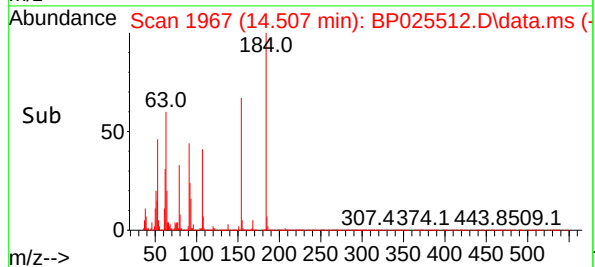
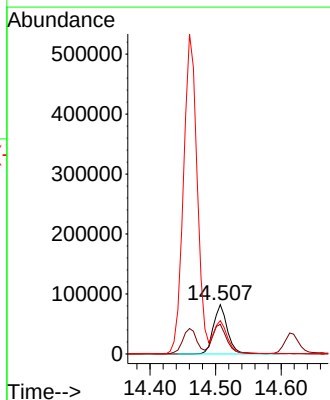
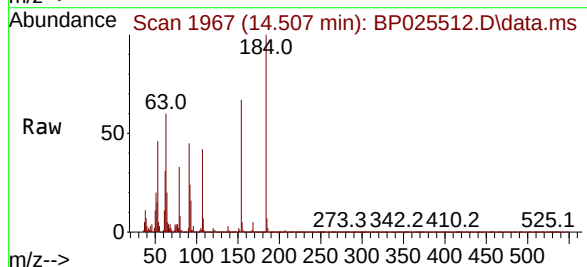
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

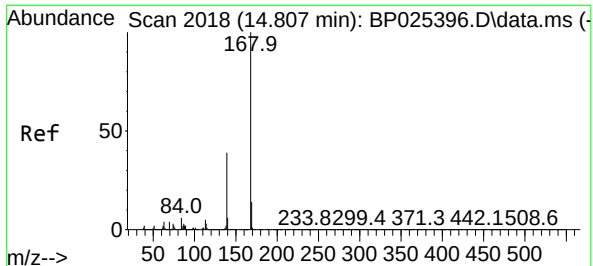
Tgt Ion:138 Resp: 233840
Ion Ratio Lower Upper
138 100
108 11.8 8.3 12.5
92 116.3 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 41.686 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:184 Resp: 122042
Ion Ratio Lower Upper
184 100
63 60.0 49.4 74.2
154 67.5 54.6 82.0





#55

Dibenzenofuran

Concen: 39.221 ng

RT: 14.801 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

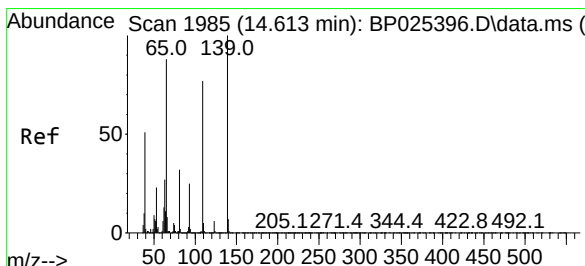
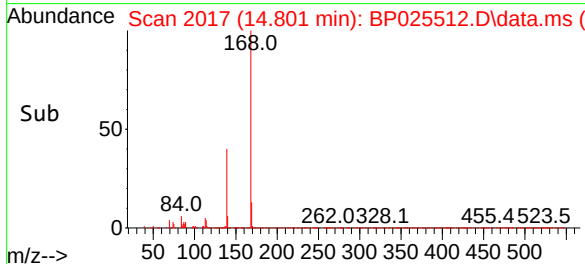
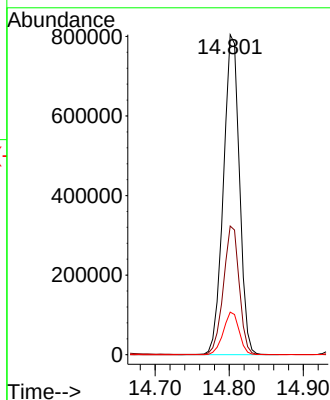
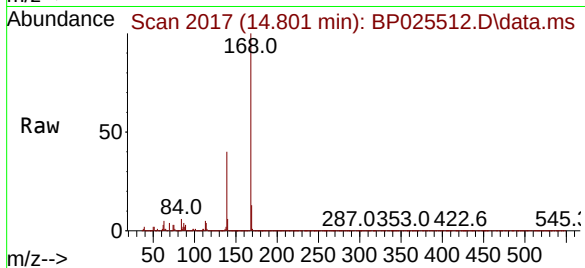
Tgt Ion:168 Resp: 1209507

Ion Ratio Lower Upper

168 100

139 40.2 31.5 47.3

169 13.3 10.9 16.3



#56

4-Nitrophenol

Concen: 37.212 ng

RT: 14.613 min Scan# 1985

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

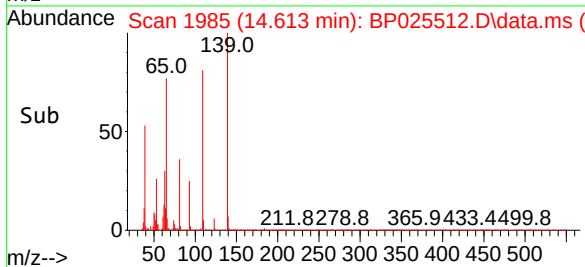
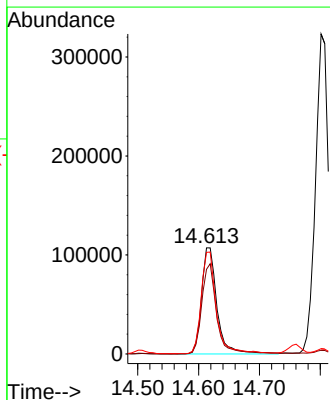
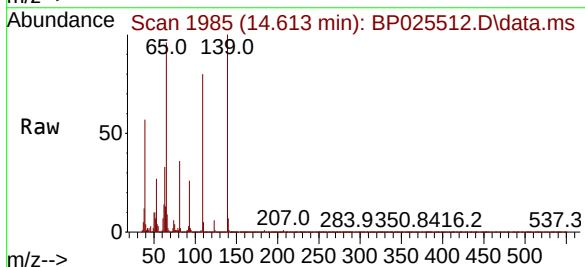
Tgt Ion:139 Resp: 188606

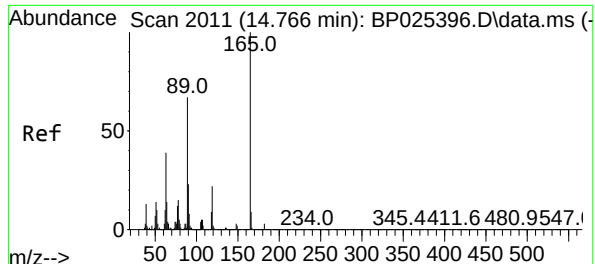
Ion Ratio Lower Upper

139 100

109 79.8 56.6 96.6

65 95.8 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 39.004 ng

RT: 14.760 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 305079

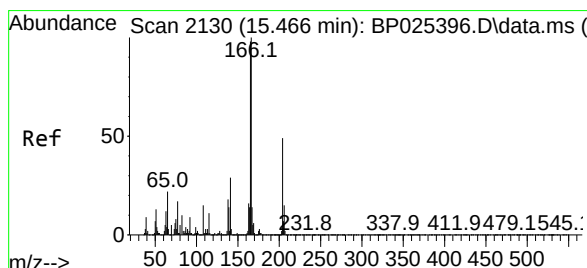
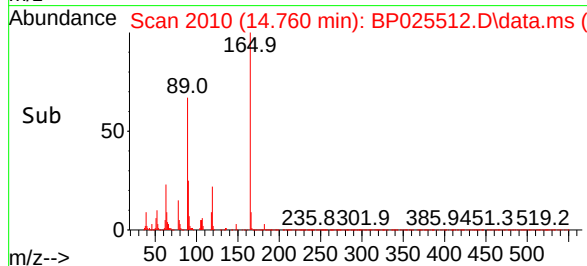
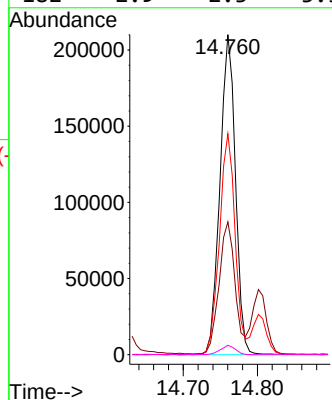
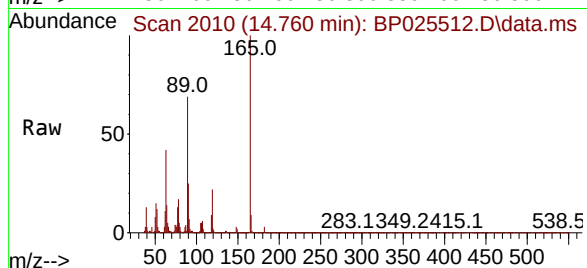
Ion Ratio Lower Upper

165 100

63 41.5 31.4 47.2

89 69.1 53.3 79.9

182 2.9 2.3 3.5



#58

Fluorene

Concen: 38.132 ng

RT: 15.460 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

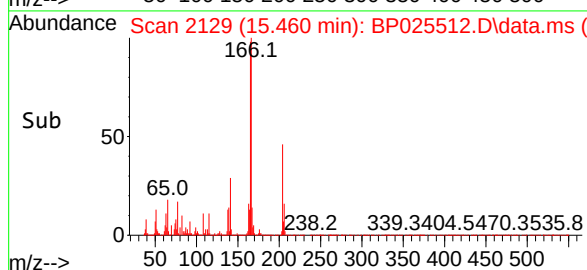
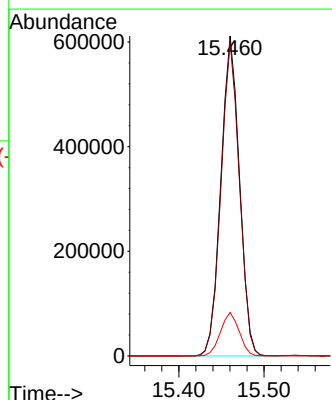
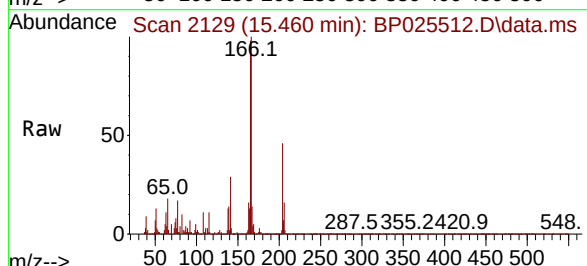
Tgt Ion:166 Resp: 927874

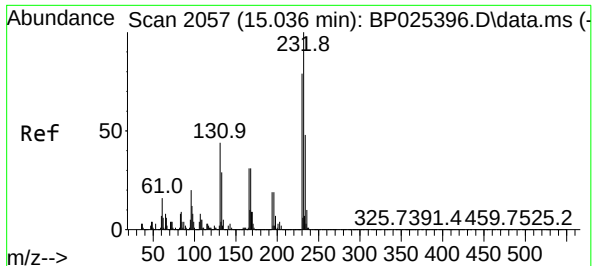
Ion Ratio Lower Upper

166 100

165 98.0 78.8 118.2

167 13.6 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 39.405 ng

RT: 15.031 min Scan# 2057

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:232 Resp: 264092

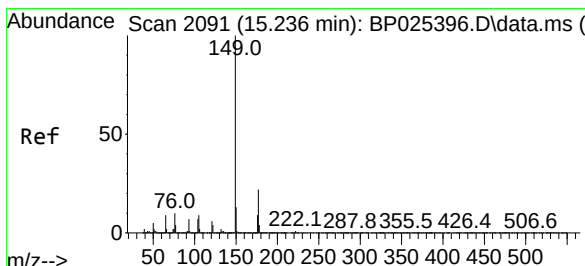
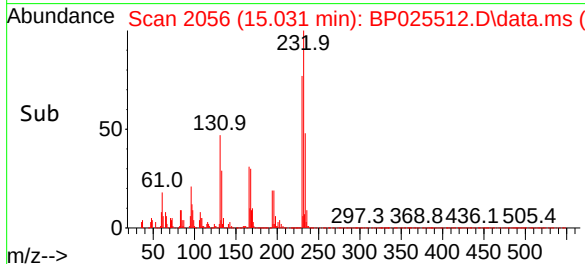
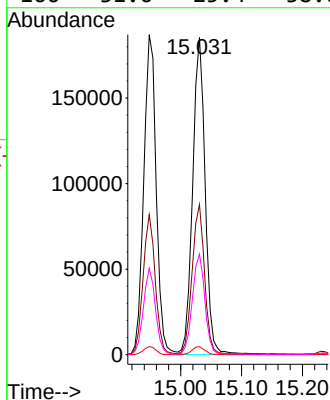
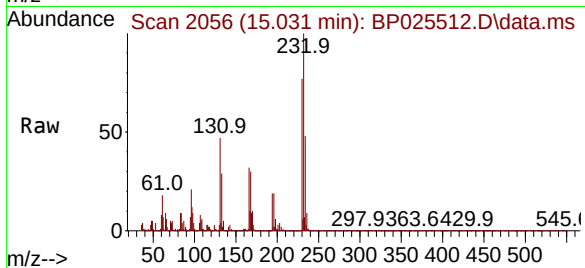
Ion Ratio Lower Upper

232 100

131 46.7 37.0 55.6

130 2.6 1.9 2.9

166 31.6 25.4 38.0



#60

Diethylphthalate

Concen: 37.688 ng

RT: 15.231 min Scan# 2090

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

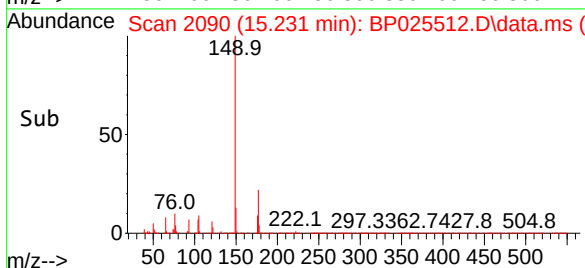
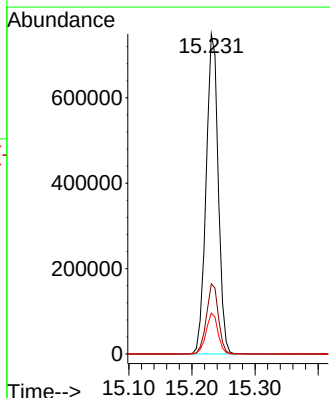
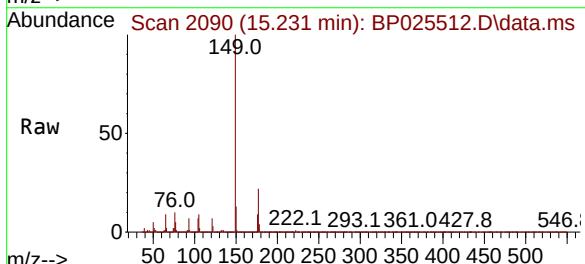
Tgt Ion:149 Resp: 996051

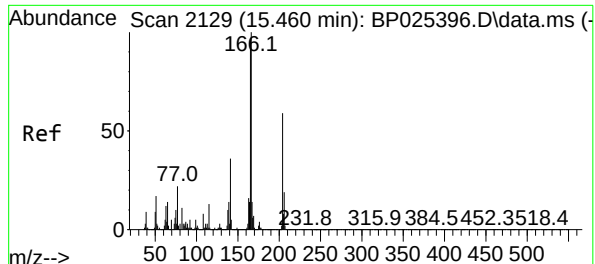
Ion Ratio Lower Upper

149 100

177 21.9 17.3 25.9

150 12.8 10.3 15.5

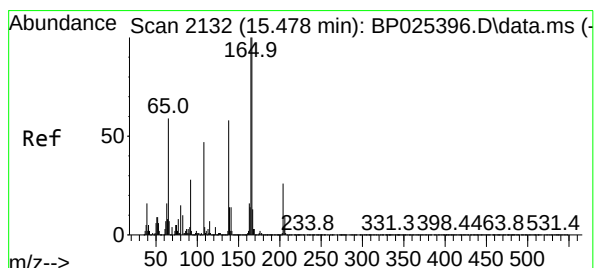
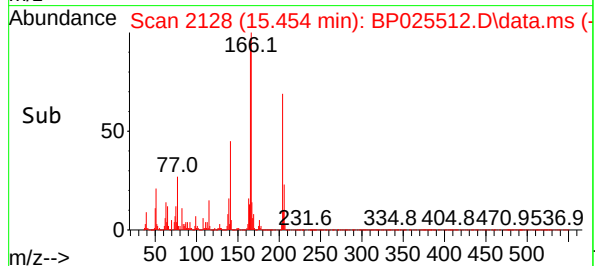
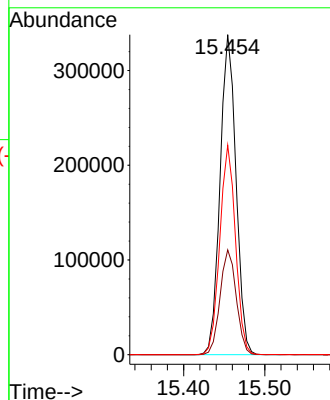
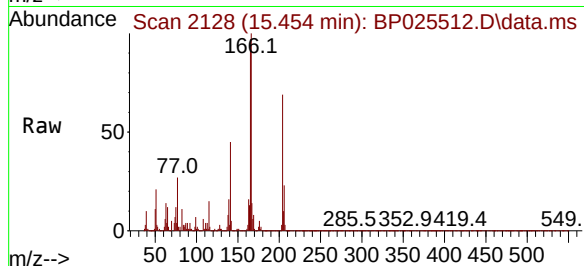




#61
4-Chlorophenyl-phenylether
Concen: 38.204 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

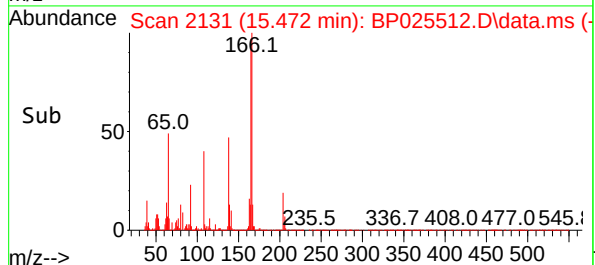
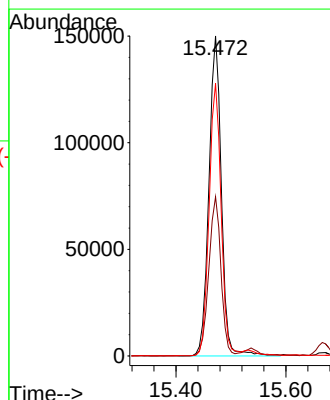
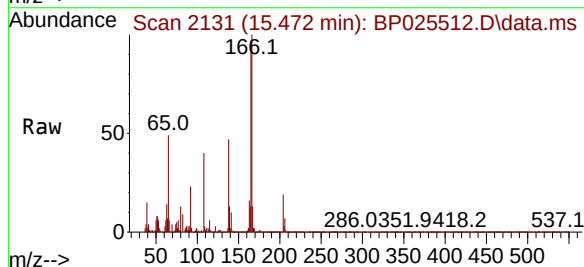
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

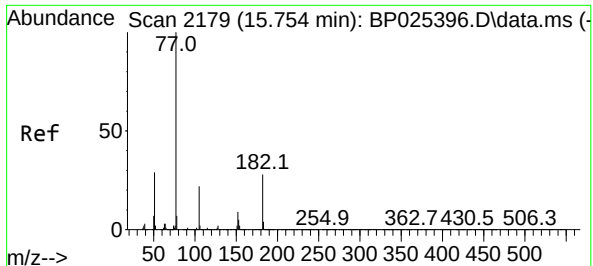
Tgt Ion:204 Resp: 462336
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 65.4 49.4 74.2



#62
4-Nitroaniline
Concen: 37.321 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:138 Resp: 235988
Ion Ratio Lower Upper
138 100
92 49.7 29.1 69.1
108 85.2 61.5 101.5

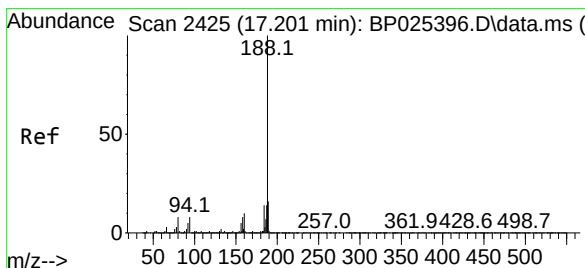
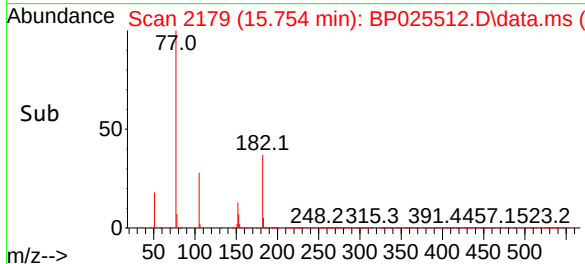
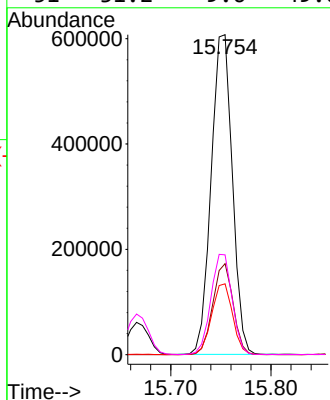
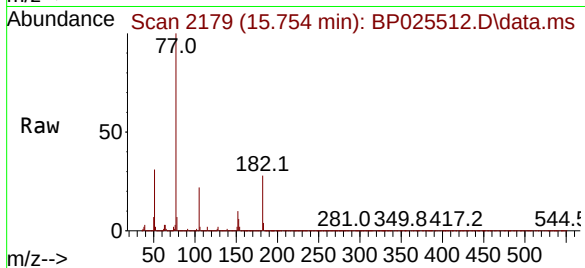




#63
Azobenzene
Concen: 39.346 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

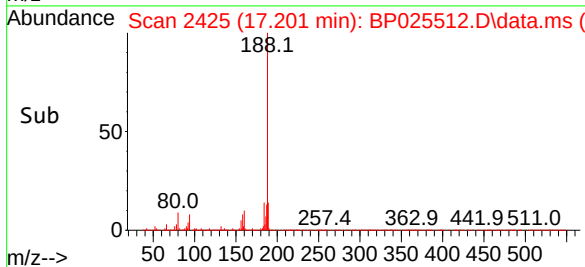
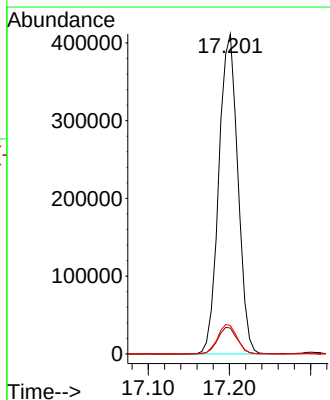
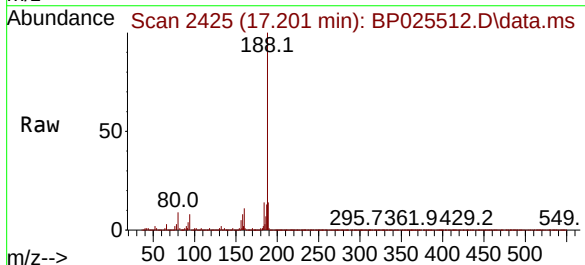
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

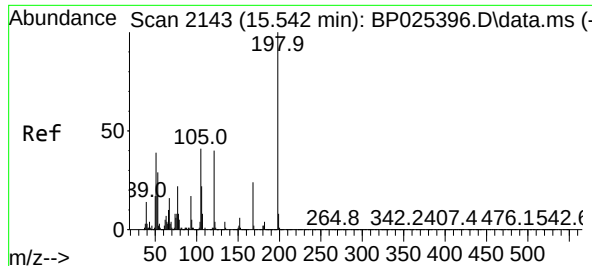
Tgt Ion: 77	Resp: 890410
Ion Ratio	Lower Upper
77 100	
182 28.4	7.5 47.5
105 22.1	2.1 42.1
51 31.2	9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:188	Resp: 670328
Ion Ratio	Lower Upper
188 100	
94 8.1	6.6 10.0
80 8.9	6.7 10.1





#65

4,6-Dinitro-2-methylphenol

Concen: 40.860 ng

RT: 15.537 min Scan# 2142

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

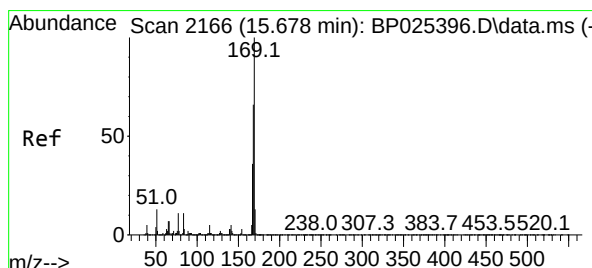
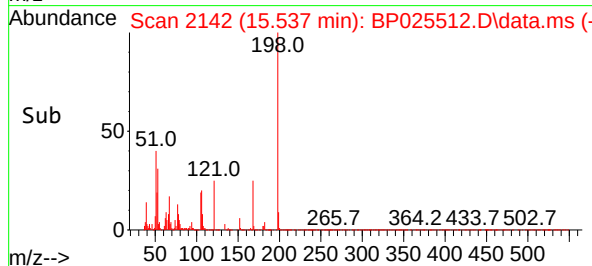
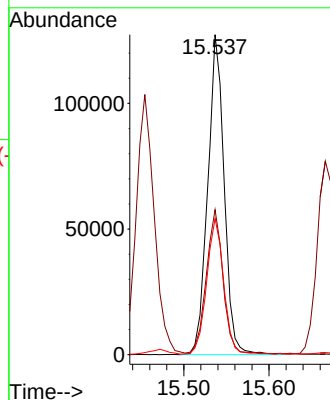
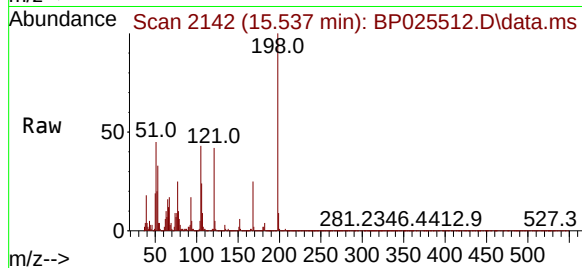
Tgt Ion:198 Resp: 170735

Ion Ratio Lower Upper

198 100

51 45.3 19.6 59.6

105 42.5 20.9 60.9



#66

n-Nitrosodiphenylamine

Concen: 39.942 ng

RT: 15.666 min Scan# 2164

Delta R.T. -0.012 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

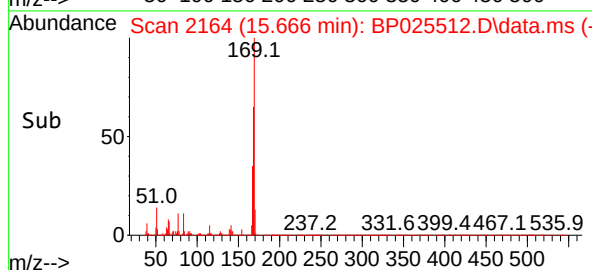
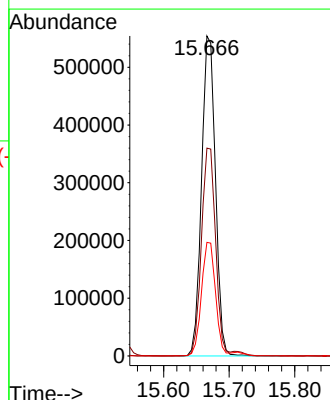
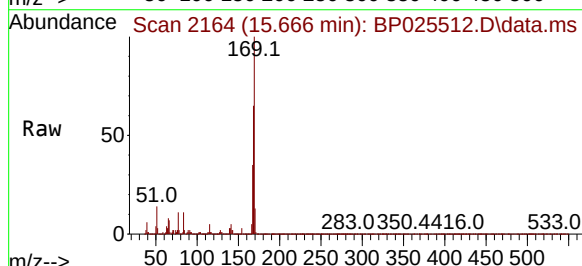
Tgt Ion:169 Resp: 816452

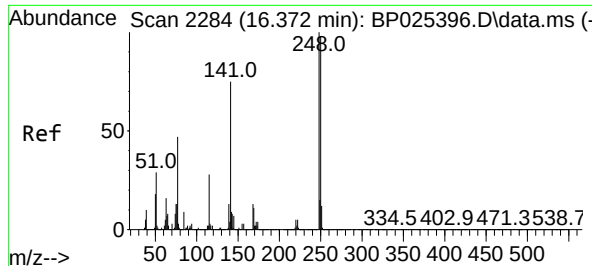
Ion Ratio Lower Upper

169 100

168 65.0 53.2 79.8

167 35.5 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 40.668 ng

RT: 16.366 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

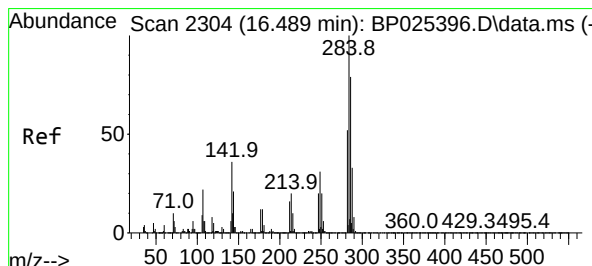
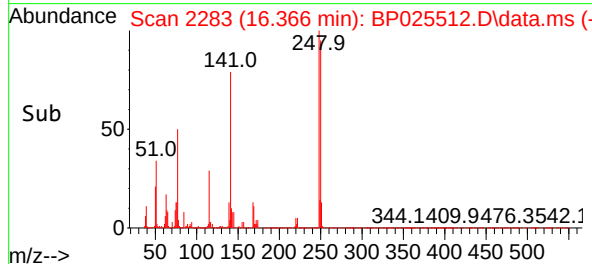
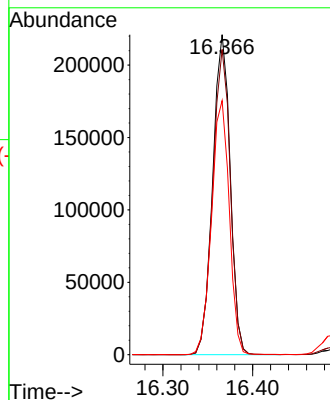
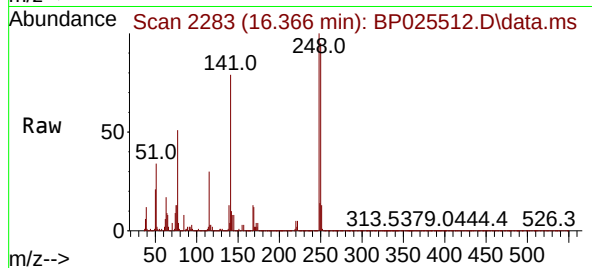
Tgt Ion:248 Resp: 299821

Ion Ratio Lower Upper

248 100

250 95.4 78.2 117.2

141 79.4 59.6 89.4



#68

Hexachlorobenzene

Concen: 40.230 ng

RT: 16.489 min Scan# 2304

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

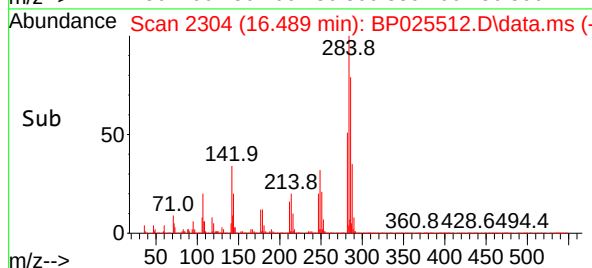
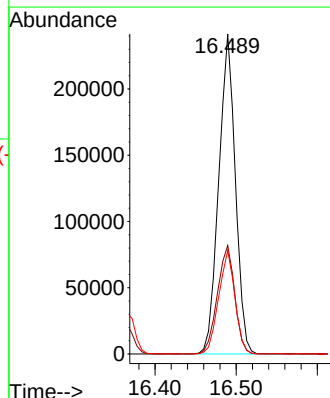
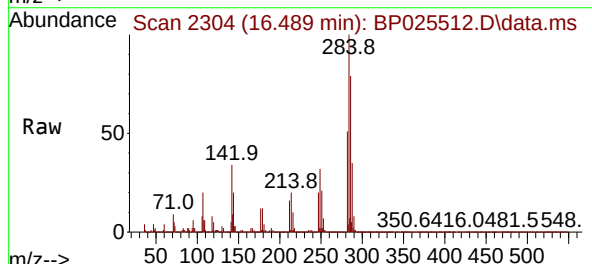
Tgt Ion:284 Resp: 343811

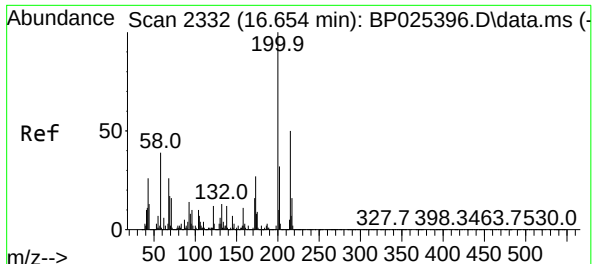
Ion Ratio Lower Upper

284 100

142 33.9 29.1 43.7

249 32.3 25.0 37.4





#69

Atrazine

Concen: 38.670 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

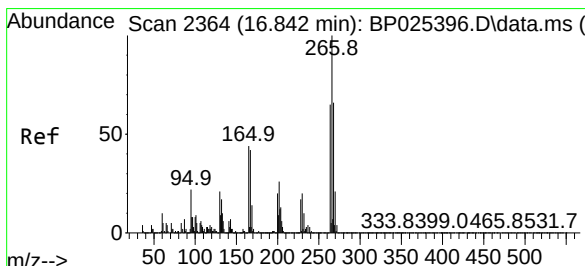
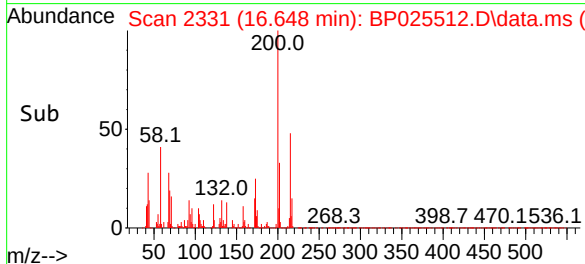
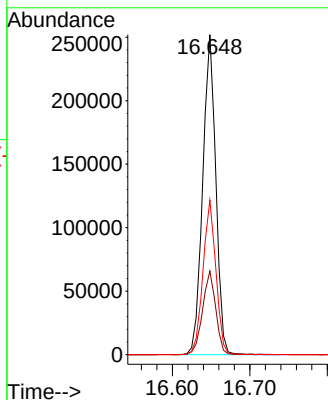
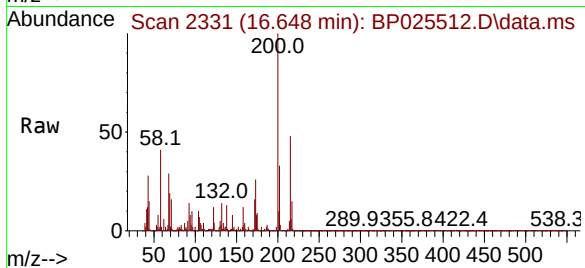
Tgt Ion:200 Resp: 296023

Ion Ratio Lower Upper

200 100

173 26.2 6.7 46.7

215 48.3 29.7 69.7



#70

Pentachlorophenol

Concen: 41.514 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

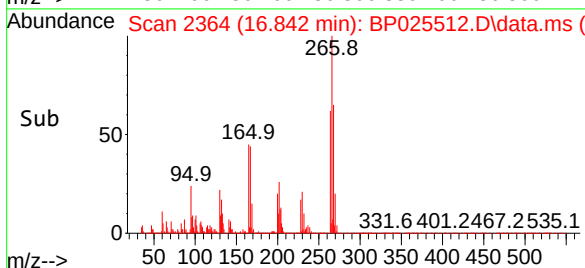
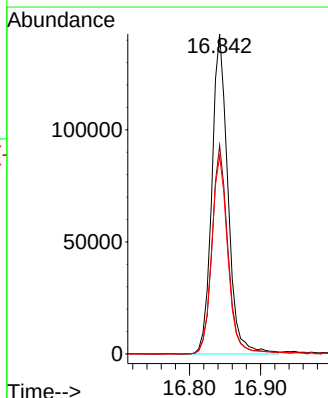
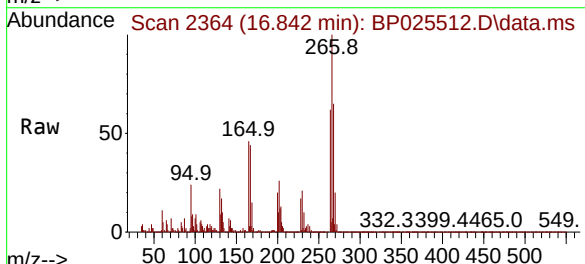
Tgt Ion:266 Resp: 223956

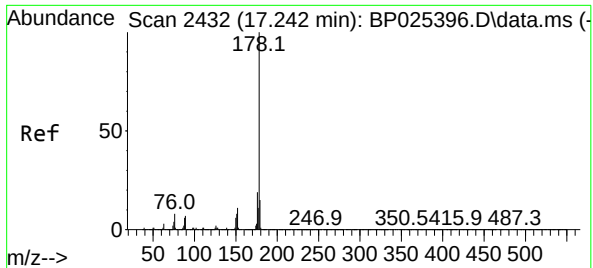
Ion Ratio Lower Upper

266 100

268 65.2 52.6 79.0

264 61.8 52.0 78.0

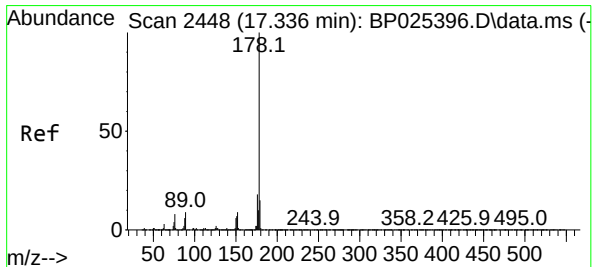
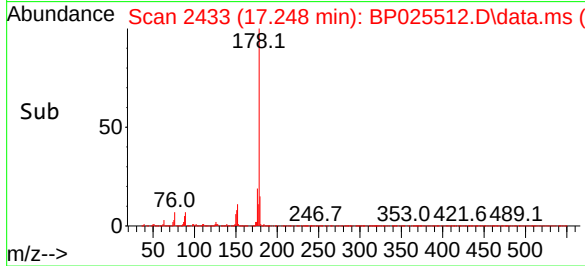
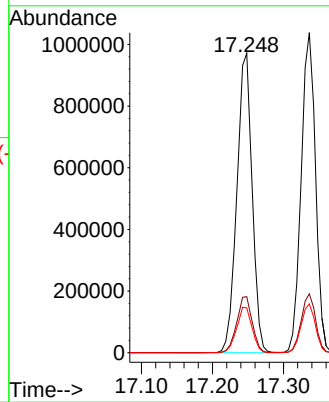
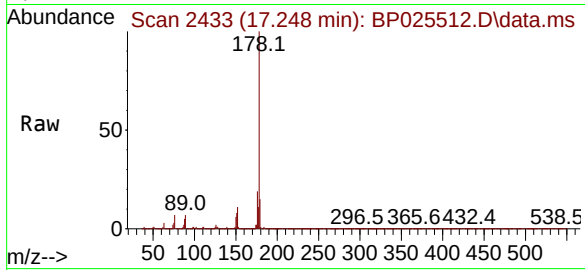




#71
Phenanthrene
Concen: 39.517 ng
RT: 17.248 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

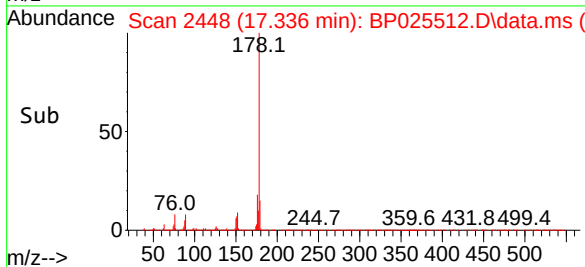
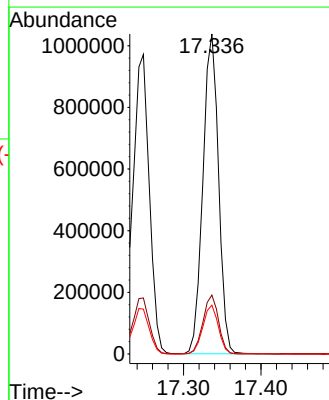
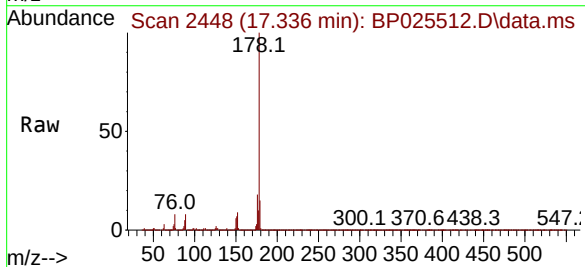
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

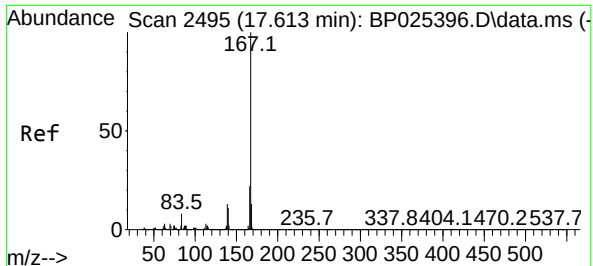
Tgt Ion:178 Resp: 1455152
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.0 12.2 18.4



#72
Anthracene
Concen: 38.632 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:178 Resp: 1452720
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.2 12.2 18.2

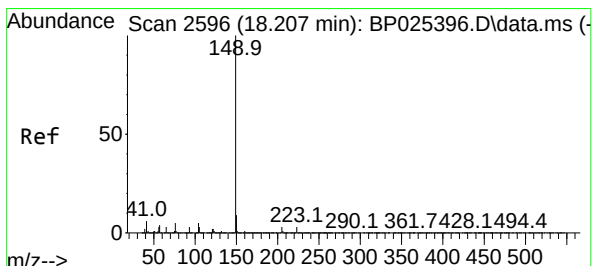
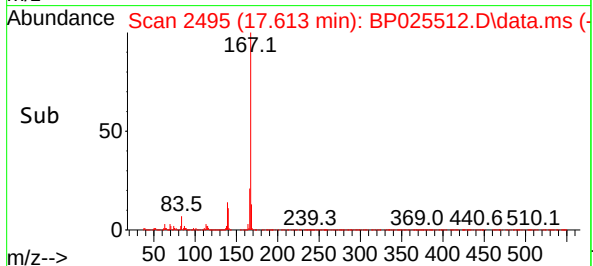
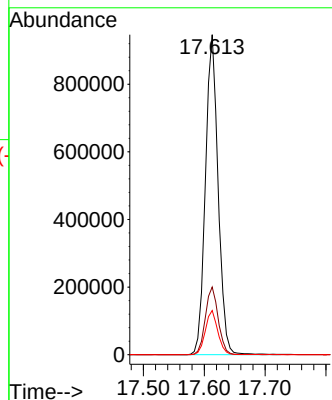
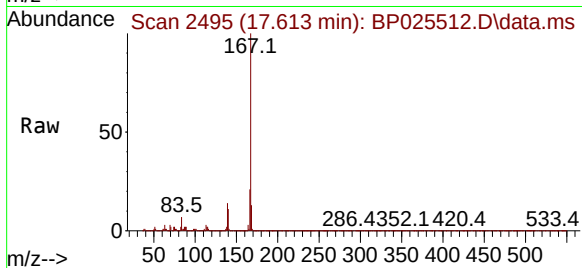




#73
Carbazole
Concen: 38.700 ng
RT: 17.613 min Scan# 2495
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

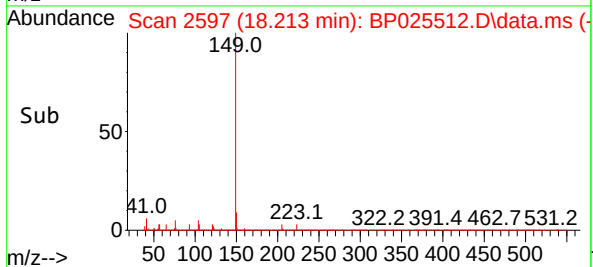
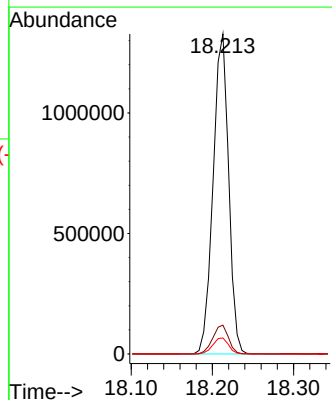
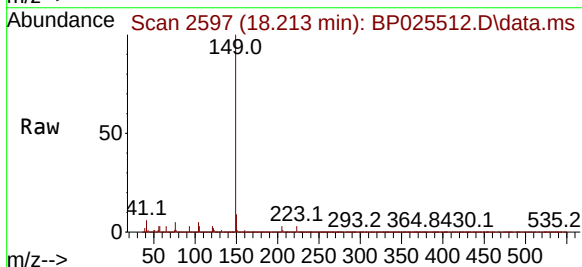
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

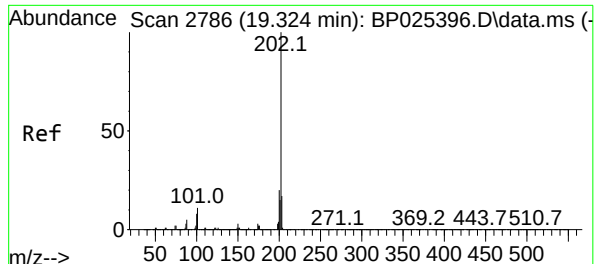
Tgt Ion:167 Resp: 1370739
Ion Ratio Lower Upper
167 100
166 21.2 17.5 26.3
139 13.8 10.6 16.0



#74
Di-n-butylphthalate
Concen: 40.436 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:149 Resp: 1762119
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 5.0 4.2 6.2

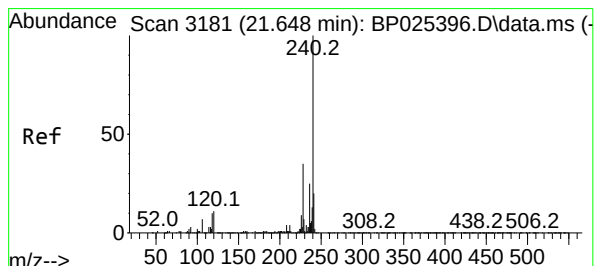
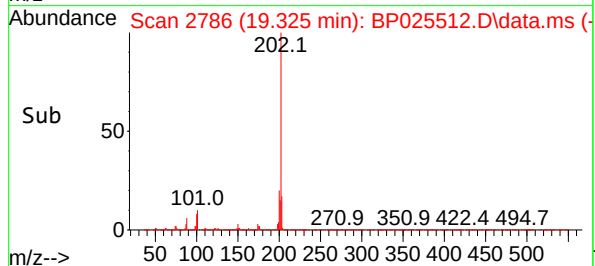
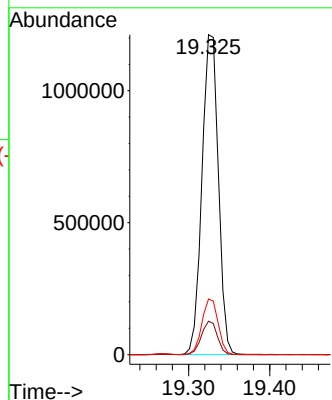
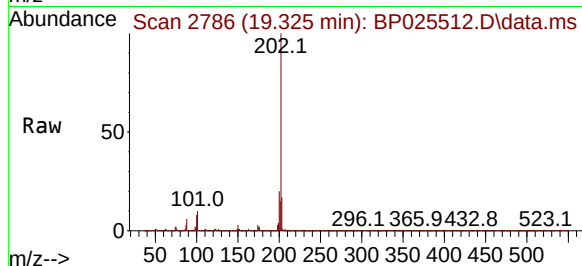




#75
Fluoranthene
Concen: 38.675 ng
RT: 19.325 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

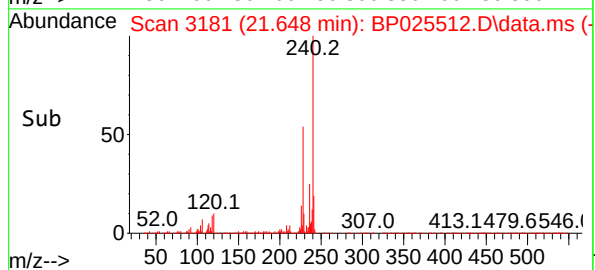
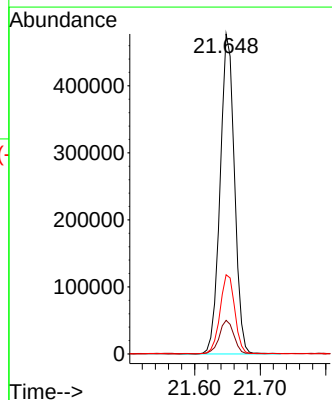
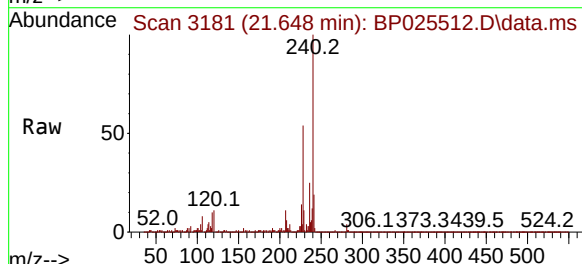
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

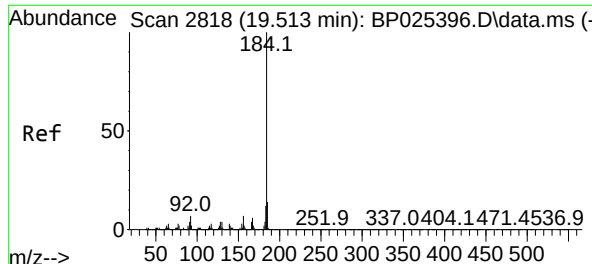
Tgt Ion:202 Resp: 1698750
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:240 Resp: 721835
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 24.8 19.8 29.8

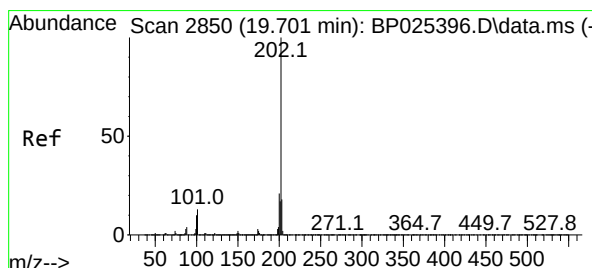
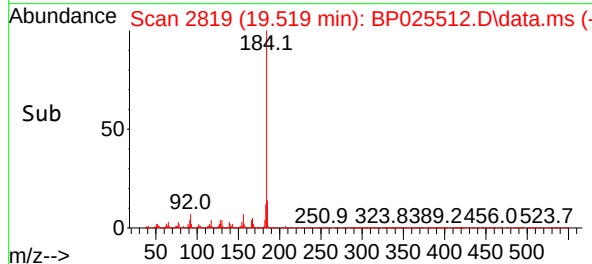
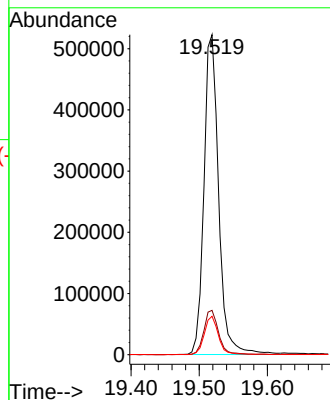
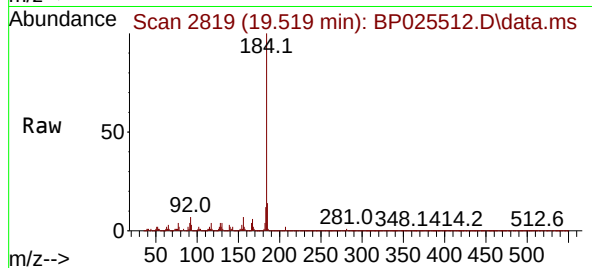




#77
Benzidine
Concen: 31.831 ng
RT: 19.519 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

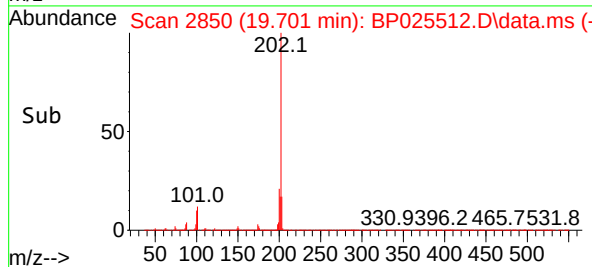
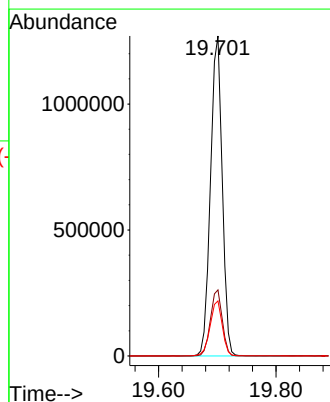
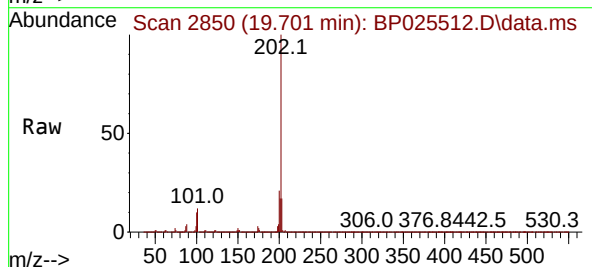
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

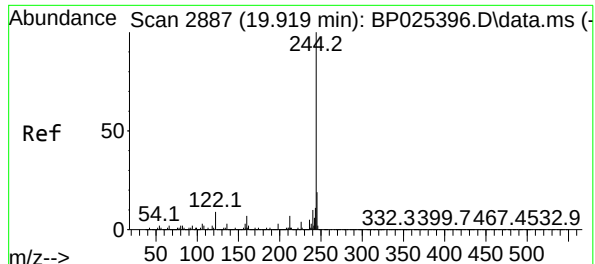
Tgt Ion:184 Resp: 784158
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 12.0 9.4 14.2



#78
Pyrene
Concen: 37.531 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:202 Resp: 1760829
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 17.2 14.2 21.2





#79

Terphenyl-d14

Concen: 74.739 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

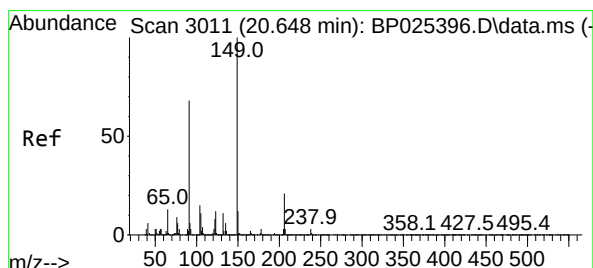
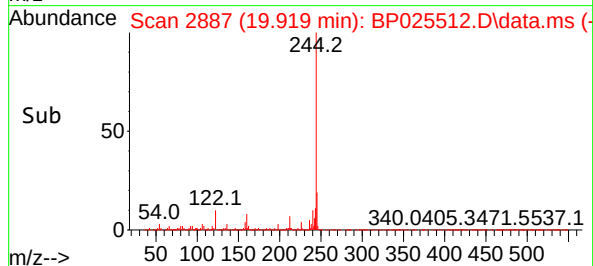
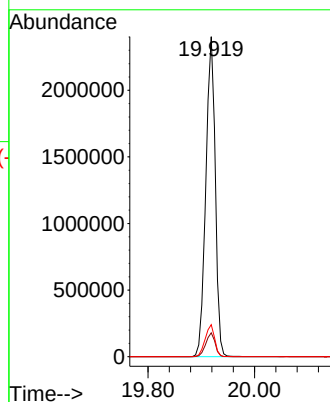
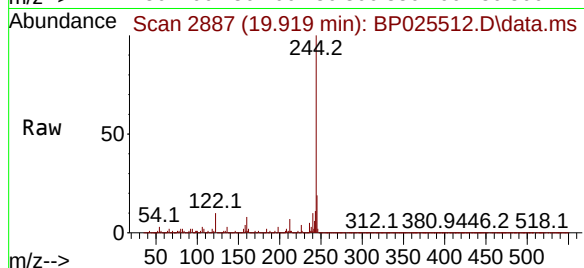
Tgt Ion:244 Resp: 2948745

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 10.0 7.4 11.2



#80

Butylbenzylphthalate

Concen: 40.760 ng

RT: 20.648 min Scan# 3011

Delta R.T. 0.000 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

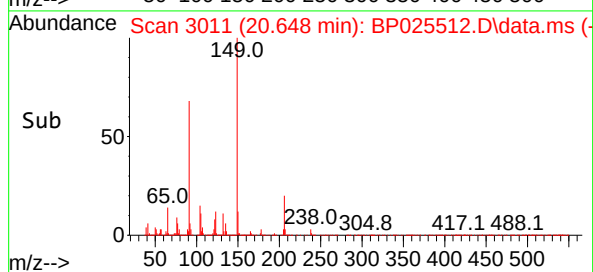
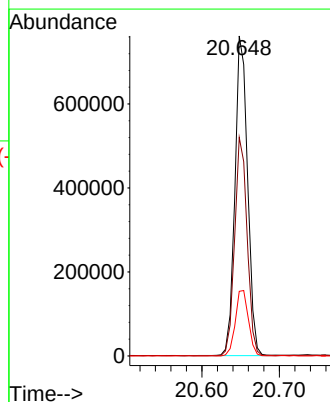
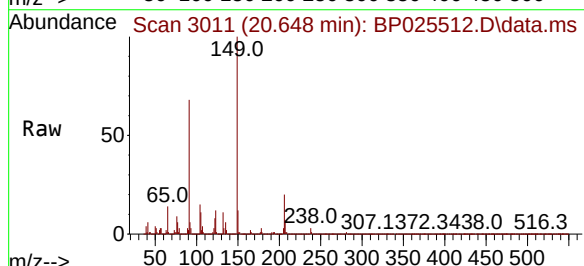
Tgt Ion:149 Resp: 866705

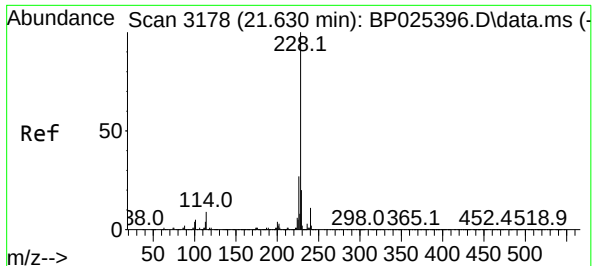
Ion Ratio Lower Upper

149 100

91 68.3 54.2 81.2

206 20.2 16.6 24.8

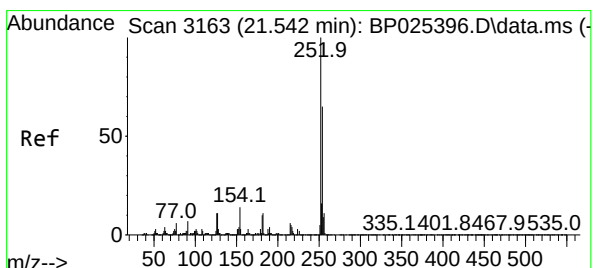
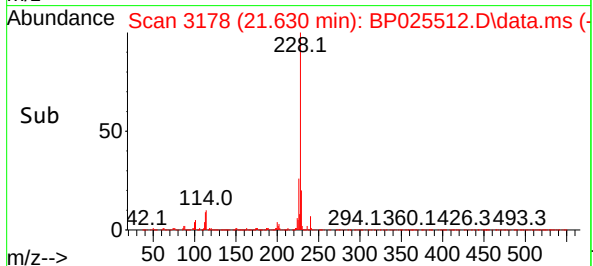
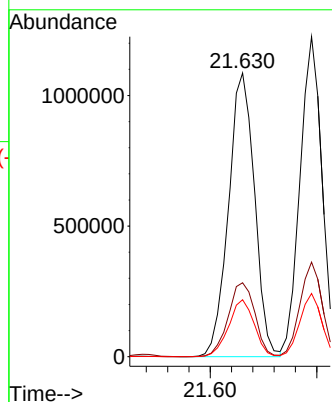
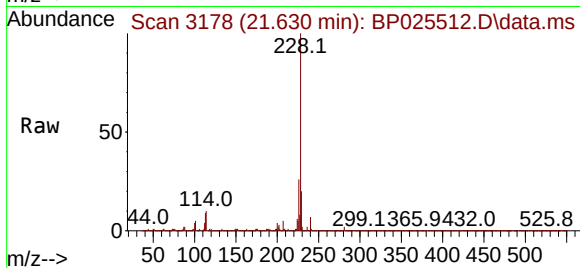




#81
Benzo(a)anthracene
Concen: 38.784 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

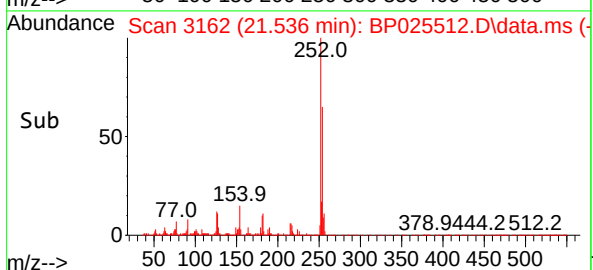
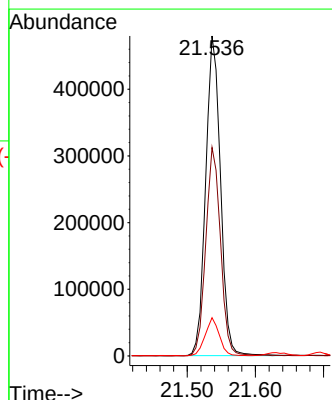
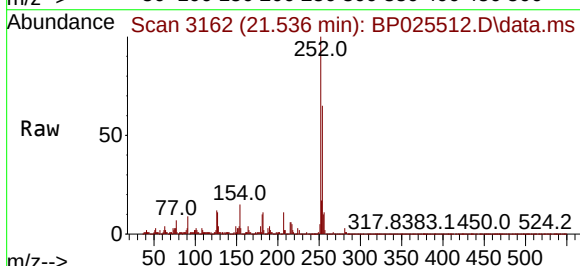
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

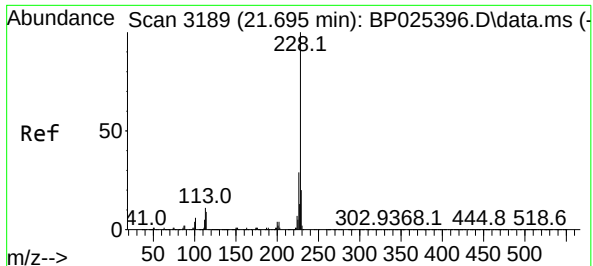
Tgt Ion:228 Resp: 1846325
Ion Ratio Lower Upper
228 100
226 26.1 21.7 32.5
229 20.1 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 40.475 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:252 Resp: 726259
Ion Ratio Lower Upper
252 100
254 65.2 51.8 77.6
126 11.9 9.1 13.7

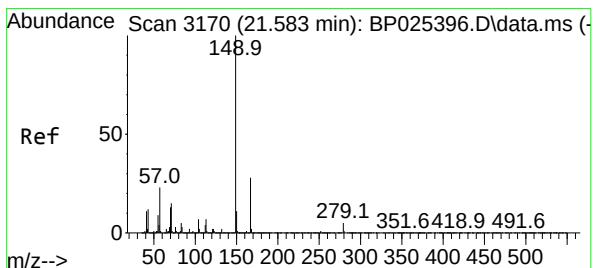
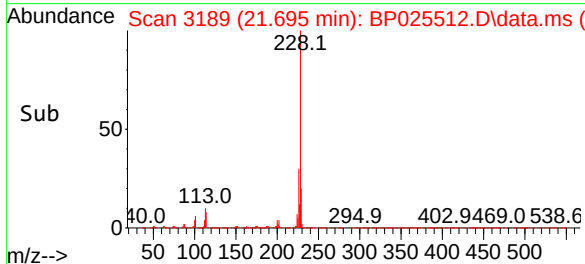
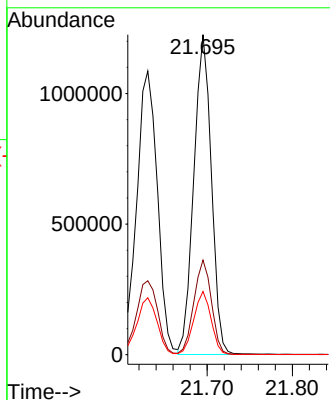
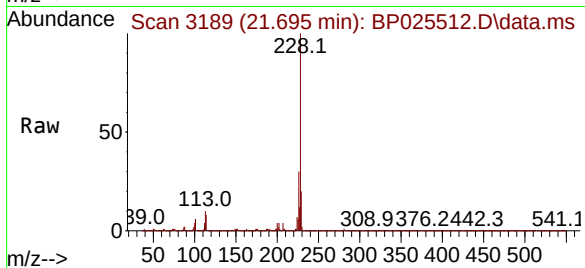




#83
Chrysene
Concen: 39.282 ng
RT: 21.695 min Scan# 3189
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

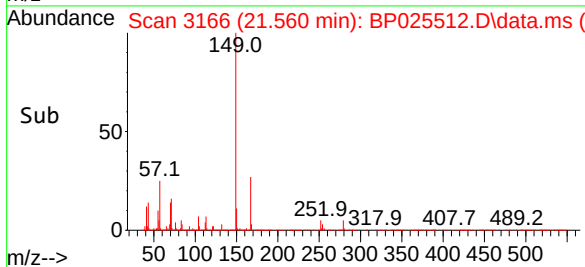
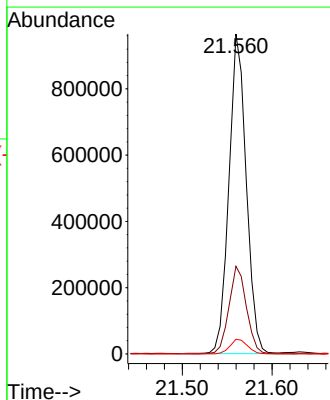
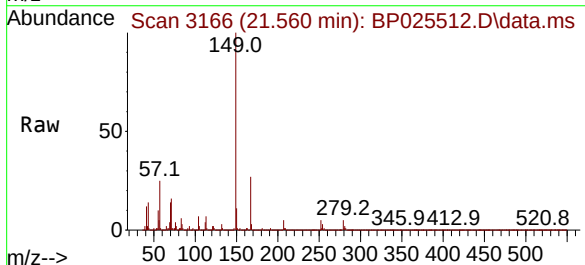
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

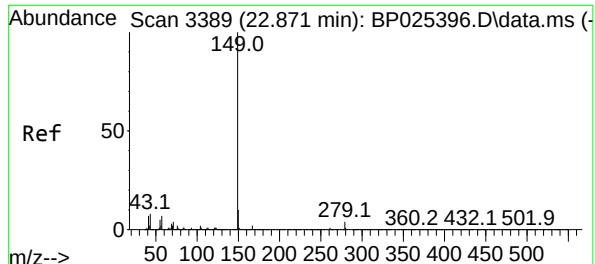
Tgt Ion:228 Resp: 1751270
Ion Ratio Lower Upper
228 100
226 29.6 23.2 34.8
229 19.8 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.288 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.023 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:149 Resp: 1292335
Ion Ratio Lower Upper
149 100
167 27.4 22.1 33.1
279 4.6 3.8 5.6

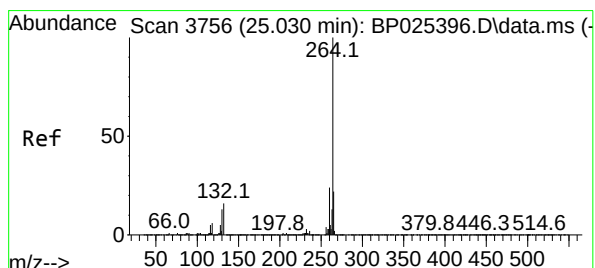
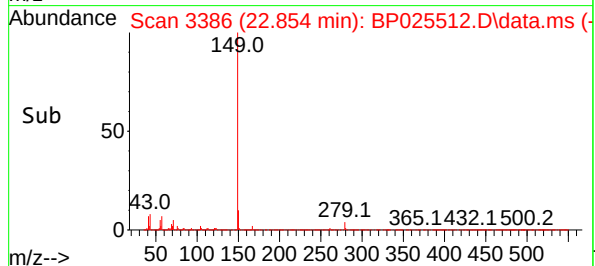
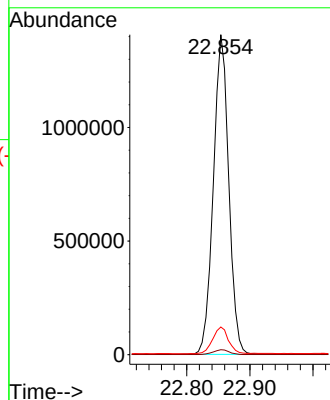
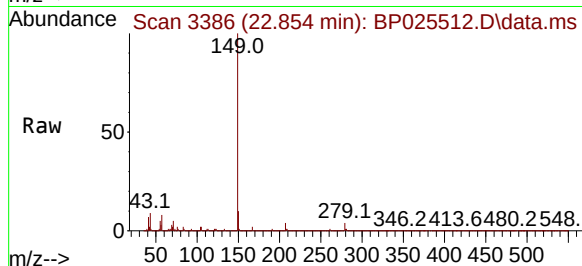




#85
Di-n-octyl phthalate
Concen: 44.204 ng
RT: 22.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

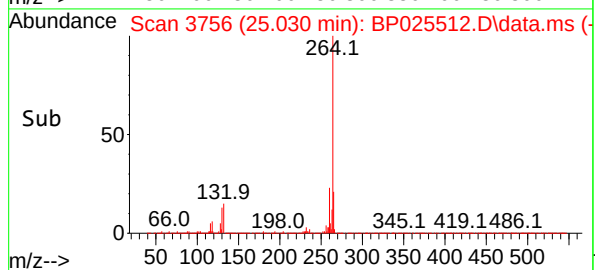
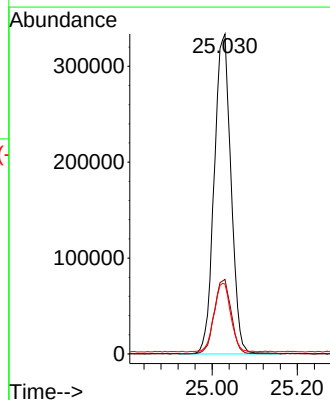
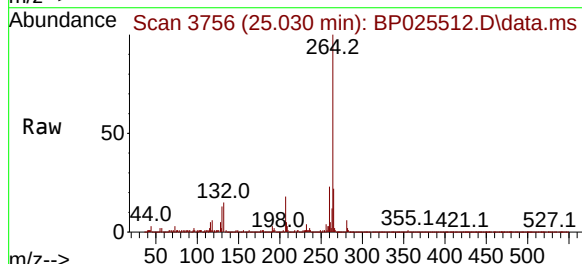
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

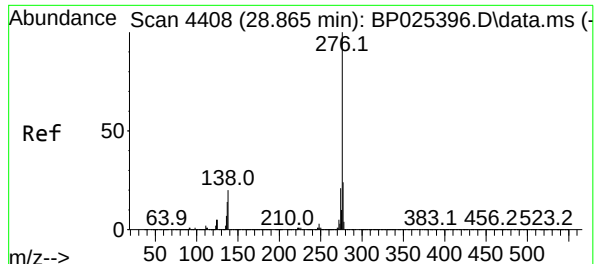
Tgt Ion:149 Resp: 2379874
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.6 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:264 Resp: 911460
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 21.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.465 ng

RT: 28.877 min Scan# 4408

Delta R.T. 0.012 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

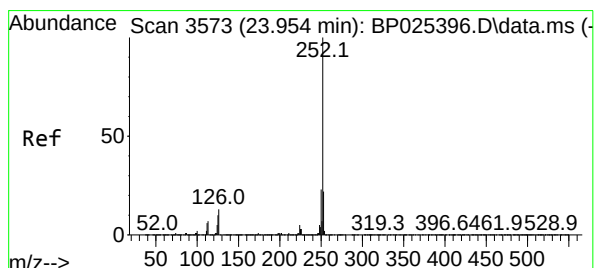
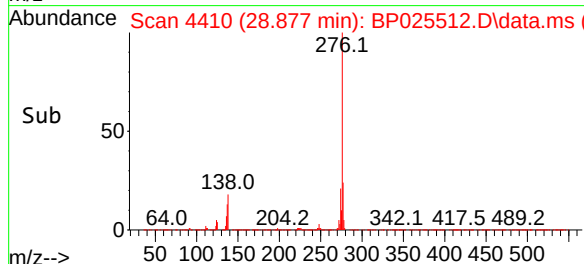
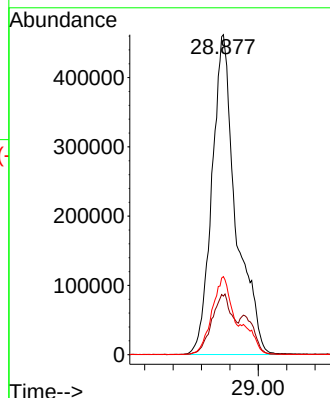
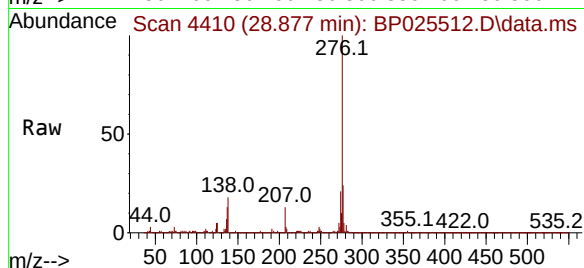
Tgt Ion:276 Resp: 2704805

Ion Ratio Lower Upper

276 100

138 16.7 12.9 19.3

277 20.2 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 38.021 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

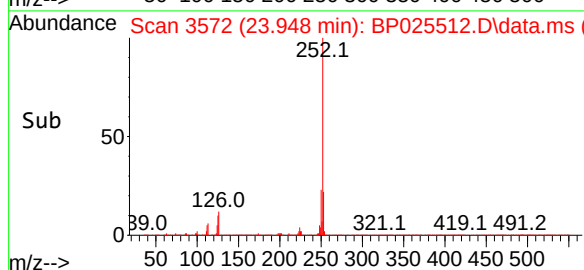
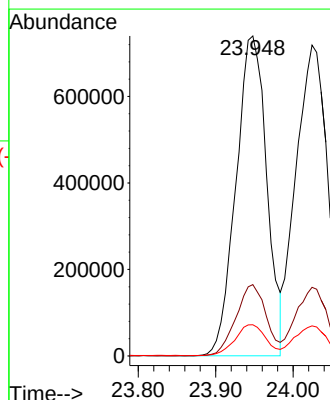
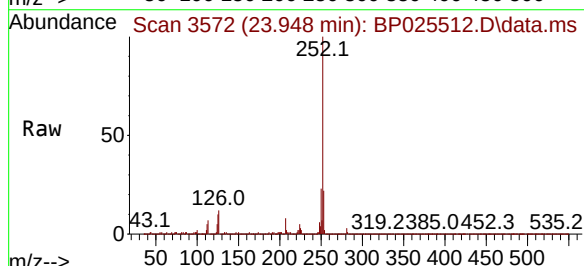
Tgt Ion:252 Resp: 2043506

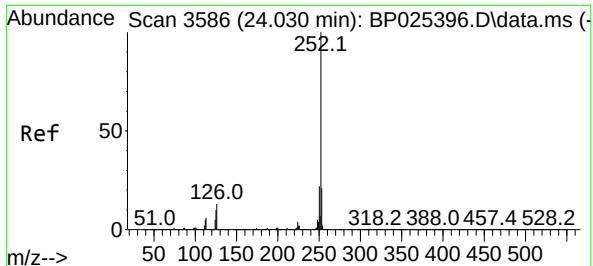
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 9.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 37.913 ng

RT: 24.024 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

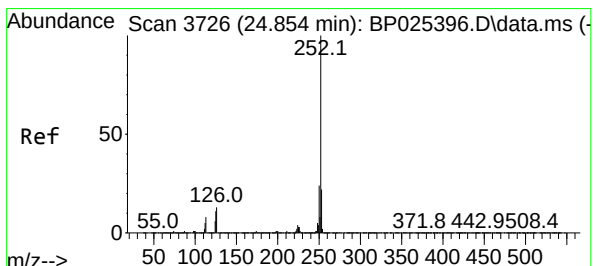
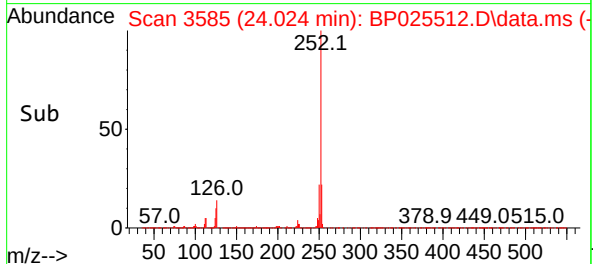
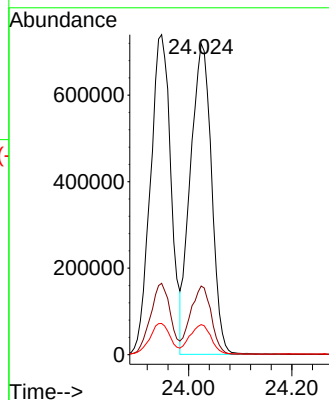
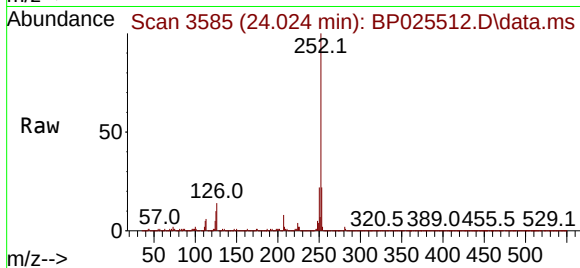
Tgt Ion:252 Resp: 2039061

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 9.7 7.8 11.6



#90

Benzo(a)pyrene

Concen: 38.861 ng

RT: 24.865 min Scan# 3728

Delta R.T. 0.012 min

Lab File: BP025512.D

Acq: 20 Aug 2025 18:27

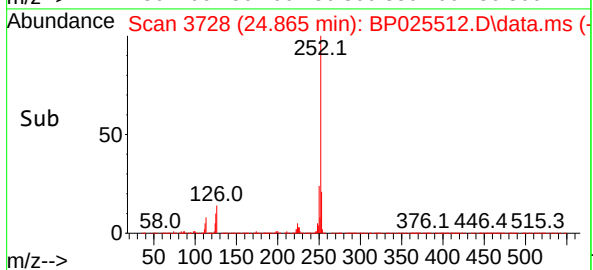
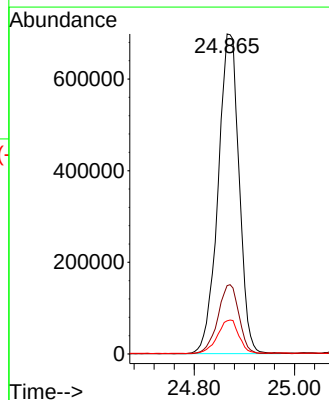
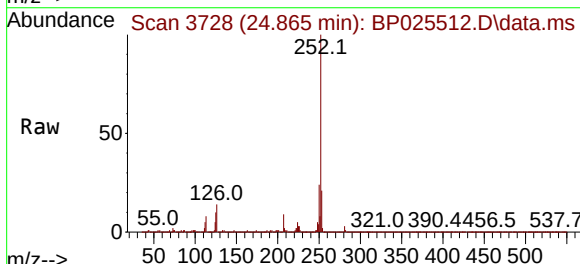
Tgt Ion:252 Resp: 2033101

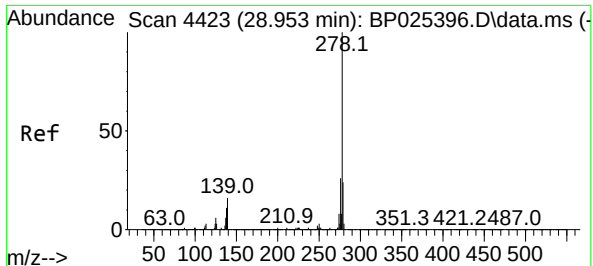
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 10.3 8.7 13.1

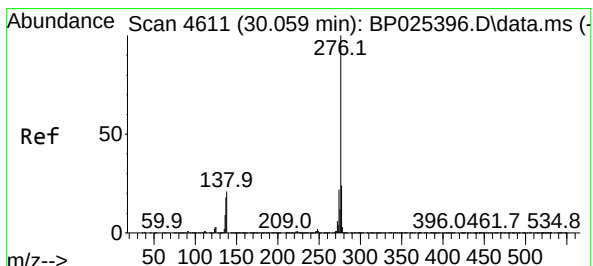
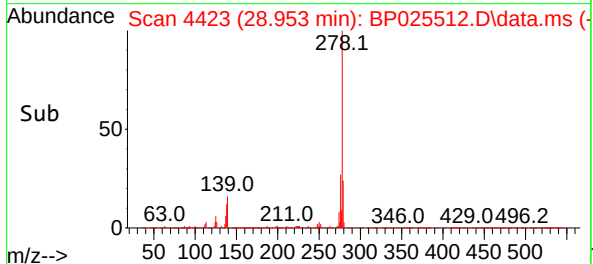
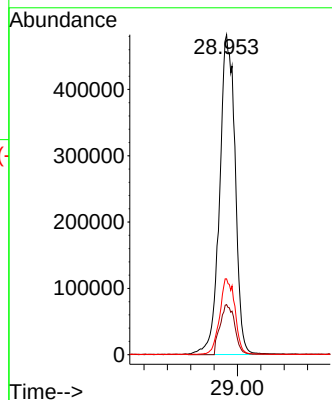
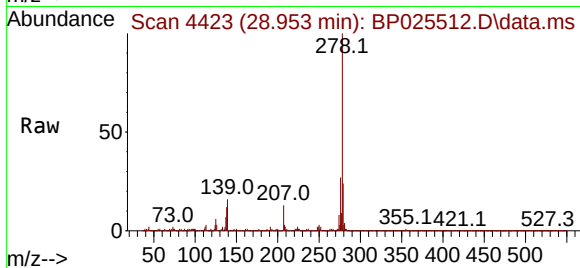




#91
Dibenzo(a,h)anthracene
Concen: 40.707 ng
RT: 28.953 min Scan# 4423
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

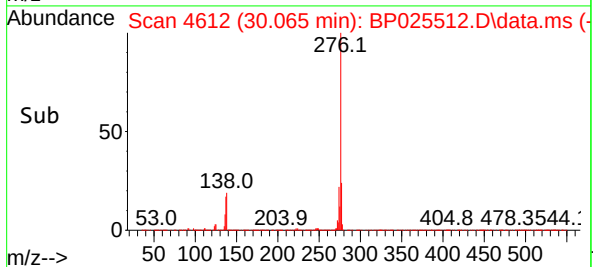
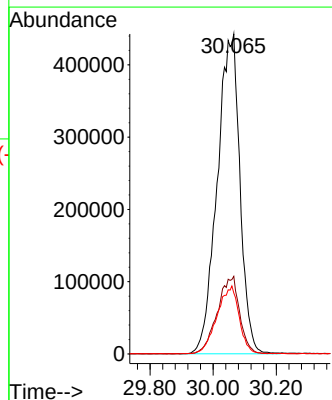
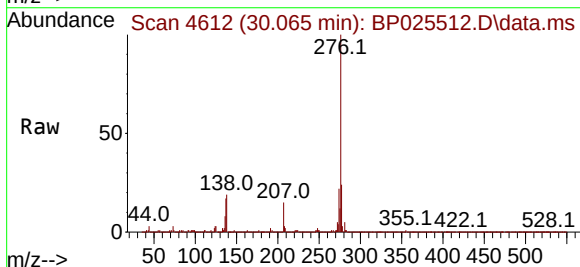
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2223603
Ion Ratio Lower Upper
278 100
139 15.7 13.0 19.4
279 23.7 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 41.164 ng
RT: 30.065 min Scan# 4612
Delta R.T. 0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:276 Resp: 2210310
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 19.1 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
2	1,4-Dioxane	0.472	0.489	-3.6	116	0.00
3	Pyridine	1.291	1.243	3.7	107	0.00
4	n-Nitrosodimethylamine	0.532	0.570	-7.1	118	0.00
5 S	2-Fluorophenol	1.204	1.232	-2.3	112	0.00
6	Aniline	2.080	1.965	5.5	102	0.00
7 S	Phenol-d6	1.544	1.491	3.4	104	0.00
8	2-Chlorophenol	1.359	1.324	2.6	106	0.00
9	Benzaldehyde	1.082	1.279	-18.2	99	0.00
10 C	Phenol	1.620	1.535	5.2	103	0.00
11	bis(2-Chloroethyl)ether	1.263	1.201	4.9	104	0.00
12	1,3-Dichlorobenzene	1.499	1.502	-0.2	110	0.00
13 C	1,4-Dichlorobenzene	1.532	1.518	0.9	109	-0.01
14	1,2-Dichlorobenzene	1.483	1.439	3.0	106	0.00
15	Benzyl Alcohol	1.227	1.132	7.7	100	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.647	2.7	107	0.00
17	2-Methylphenol	1.125	1.059	5.9	101	0.00
18	Hexachloroethane	0.563	0.578	-2.7	112	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	0.895	12.5	95	-0.01
20	3+4-Methylphenols	1.560	1.396	10.5	96	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
22	Acetophenone	0.502	0.508	-1.2	98	0.00
23 S	Nitrobenzene-d5	0.395	0.409	-3.5	100	-0.01
24	Nitrobenzene	0.353	0.367	-4.0	99	0.00
25	Isophorone	0.700	0.664	5.1	92	0.00
26 C	2-Nitrophenol	0.181	0.188	-3.9	97	0.00
27	2,4-Dimethylphenol	0.312	0.308	1.3	93	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.413	2.4	95	0.00
29 C	2,4-Dichlorophenol	0.310	0.310	0.0	95	0.00
30	1,2,4-Trichlorobenzene	0.340	0.346	-1.8	99	0.00
31	Naphthalene	1.040	1.033	0.7	96	0.00
32	Benzoic acid	0.230	0.211	8.3	87	0.00
33	4-Chloroaniline	0.459	0.429	6.5	89	0.00
34 C	Hexachlorobutadiene	0.211	0.225	-6.6	103	0.00
35	Caprolactam	0.114	0.092	19.3	79	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.324	8.7	87	0.00
37	2-Methylnaphthalene	0.676	0.633	6.4	91	0.00
38	1-Methylnaphthalene	0.719	0.664	7.6	90	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	81	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.578	0.626	-8.3	90	0.00
41 P	Hexachlorocyclopentadiene	0.349	0.359	-2.9	83	0.00
42 S	2,4,6-Tribromophenol	0.269	0.257	4.5	79	0.00
43 C	2,4,6-Trichlorophenol	0.390	0.414	-6.2	87	0.00
44	2,4,5-Trichlorophenol	0.427	0.446	-4.4	85	0.00
45 S	2-Fluorobiphenyl	1.463	1.526	-4.3	88	0.00
46	1,1'-Biphenyl	1.453	1.507	-3.7	86	0.00
47	2-Chloronaphthalene	1.131	1.165	-3.0	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.343	-4.3	84	0.00
49	Acenaphthylene	1.871	1.871	0.0	83	0.00
50	Dimethylphthalate	1.465	1.399	4.5	80	-0.01
51	2,6-Dinitrotoluene	0.309	0.313	-1.3	82	0.00
52 C	Acenaphthene	1.098	1.086	1.1	84	0.00
53	3-Nitroaniline	0.347	0.329	5.2	78	-0.01
54 P	2,4-Dinitrophenol	0.165	0.172	-4.2	85	0.00
55	Dibenzofuran	1.736	1.703	1.9	82	0.00
56 P	4-Nitrophenol	0.285	0.266	6.7	77	0.00
57	2,4-Dinitrotoluene	0.440	0.429	2.5	79	0.00
58	Fluorene	1.370	1.306	4.7	81	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.372	1.3	81	0.00
60	Diethylphthalate	1.488	1.402	5.8	79	0.00
61	4-Chlorophenyl-phenylether	0.681	0.651	4.4	80	0.00
62	4-Nitroaniline	0.356	0.332	6.7	76	0.00
63	Azobenzene	1.274	1.253	1.6	82	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	76	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.127	-1.6	79	0.00
66 c	n-Nitrosodiphenylamine	0.610	0.609	0.2	78	-0.01
67	4-Bromophenyl-phenylether	0.220	0.224	-1.8	80	0.00
68	Hexachlorobenzene	0.255	0.256	-0.4	80	0.00
69	Atrazine	0.228	0.221	3.1	77	0.00
70 C	Pentachlorophenol	0.161	0.167	-3.7	80	0.00
71	Phenanthrene	1.099	1.085	1.3	79	0.00
72	Anthracene	1.122	1.084	3.4	76	0.00
73	Carbazole	1.057	1.022	3.3	77	0.00
74	Di-n-butylphthalate	1.300	1.314	-1.1	80	0.00
75 C	Fluoranthene	1.311	1.267	3.4	78	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	80	0.00
77	Benzydine	0.683	0.543	20.5	45#	0.00
78	Pyrene	1.300	1.220	6.2	77	0.00
79 S	Terphenyl-d14	1.093	1.021	6.6	78	0.00
80	Butylbenzylphthalate	0.589	0.600	-1.9	83	0.00
81	Benzo(a)anthracene	1.319	1.279	3.0	81	0.00
82	3,3'-Dichlorobenzidine	0.497	0.503	-1.2	83	0.00
83	Chrysene	1.235	1.213	1.8	82	0.00
84	Bis(2-ethylhexyl)phthalate	0.867	0.895	-3.2	87	-0.02
85 c	Di-n-octyl phthalate	1.492	1.648	-10.5	92	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	89	0.00
87	Indeno(1,2,3-cd)pyrene	1.467	1.484	-1.2	94	0.01
88	Benzo(b)fluoranthene	1.179	1.121	4.9	88	0.00
89	Benzo(k)fluoranthene	1.180	1.119	5.2	88	0.00
90 C	Benzo(a)pyrene	1.148	1.115	2.9	90	0.01
91	Dibenzo(a,h)anthracene	1.199	1.220	-1.8	94	0.00
92	Benzo(g,h,i)perylene	1.178	1.213	-3.0	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
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Instrument :
BNA_P
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Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	105	0.00
2	1,4-Dioxane	40.000	41.454	-3.6	116	0.00
3	Pyridine	40.000	38.497	3.8	107	0.00
4	n-Nitrosodimethylamine	40.000	42.863	-7.2	118	0.00
5 S	2-Fluorophenol	80.000	81.851	-2.3	112	0.00
6	Aniline	40.000	37.776	5.6	102	0.00
7 S	Phenol-d6	80.000	77.239	3.5	104	0.00
8	2-Chlorophenol	40.000	38.971	2.6	106	0.00
9	Benzaldehyde	40.000	47.306	-18.3	99	0.00
10 C	Phenol	40.000	37.903	5.2	103	0.00
11	bis(2-Chloroethyl)ether	40.000	38.056	4.9	104	0.00
12	1,3-Dichlorobenzene	40.000	40.104	-0.3	110	0.00
13 C	1,4-Dichlorobenzene	40.000	39.630	0.9	109	-0.01
14	1,2-Dichlorobenzene	40.000	38.825	2.9	106	0.00
15	Benzyl Alcohol	40.000	36.921	7.7	100	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.945	2.6	107	0.00
17	2-Methylphenol	40.000	37.654	5.9	101	0.00
18	Hexachloroethane	40.000	41.047	-2.6	112	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	35.024	12.4	95	-0.01
20	3+4-Methylphenols	40.000	35.797	10.5	96	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	93	0.00
22	Acetophenone	40.000	40.553	-1.4	98	0.00
23 S	Nitrobenzene-d5	80.000	82.828	-3.5	100	-0.01
24	Nitrobenzene	40.000	41.561	-3.9	99	0.00
25	Isophorone	40.000	37.972	5.1	92	0.00
26 C	2-Nitrophenol	40.000	41.515	-3.8	97	0.00
27	2,4-Dimethylphenol	40.000	39.508	1.2	93	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.085	2.3	95	0.00
29 C	2,4-Dichlorophenol	40.000	40.068	-0.2	95	0.00
30	1,2,4-Trichlorobenzene	40.000	40.786	-2.0	99	0.00
31	Naphthalene	40.000	39.747	0.6	96	0.00
32	Benzoic acid	40.000	36.722	8.2	87	0.00
33	4-Chloroaniline	40.000	37.353	6.6	89	0.00
34 C	Hexachlorobutadiene	40.000	42.538	-6.3	103	0.00
35	Caprolactam	40.000	32.534	18.7	79	0.00
36 C	4-Chloro-3-methylphenol	40.000	36.511	8.7	87	0.00
37	2-Methylnaphthalene	40.000	37.407	6.5	91	0.00
38	1-Methylnaphthalene	40.000	36.937	7.7	90	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	81	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	43.350	-8.4	90	0.00
41 P	Hexachlorocyclopentadiene	40.000	41.195	-3.0	83	0.00
42 S	2,4,6-Tribromophenol	80.000	76.447	4.4	79	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.446	-6.1	87	0.00
44	2,4,5-Trichlorophenol	40.000	41.744	-4.4	85	0.00
45 S	2-Fluorobiphenyl	80.000	83.434	-4.3	88	0.00
46	1,1'-Biphenyl	40.000	41.508	-3.8	86	0.00
47	2-Chloronaphthalene	40.000	41.219	-3.0	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.628	-4.1	84	0.00
49	Acenaphthylene	40.000	40.001	-0.0	83	0.00
50	Dimethylphthalate	40.000	38.219	4.5	80	-0.01
51	2,6-Dinitrotoluene	40.000	40.576	-1.4	82	0.00
52 C	Acenaphthene	40.000	39.546	1.1	84	0.00
53	3-Nitroaniline	40.000	37.912	5.2	78	-0.01
54 P	2,4-Dinitrophenol	40.000	41.686	-4.2	85	0.00
55	Dibenzofuran	40.000	39.221	1.9	82	0.00
56 P	4-Nitrophenol	40.000	37.212	7.0	77	0.00
57	2,4-Dinitrotoluene	40.000	39.004	2.5	79	0.00
58	Fluorene	40.000	38.132	4.7	81	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.405	1.5	81	0.00
60	Diethylphthalate	40.000	37.688	5.8	79	0.00
61	4-Chlorophenyl-phenylether	40.000	38.204	4.5	80	0.00
62	4-Nitroaniline	40.000	37.321	6.7	76	0.00
63	Azobenzene	40.000	39.346	1.6	82	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	76	0.00
65	4,6-Dinitro-2-methylphenol	40.000	40.860	-2.1	79	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.942	0.1	78	-0.01
67	4-Bromophenyl-phenylether	40.000	40.668	-1.7	80	0.00
68	Hexachlorobenzene	40.000	40.230	-0.6	80	0.00
69	Atrazine	40.000	38.670	3.3	77	0.00
70 C	Pentachlorophenol	40.000	41.514	-3.8	80	0.00
71	Phenanthrene	40.000	39.517	1.2	79	0.00
72	Anthracene	40.000	38.632	3.4	76	0.00
73	Carbazole	40.000	38.700	3.2	77	0.00
74	Di-n-butylphthalate	40.000	40.436	-1.1	80	0.00
75 C	Fluoranthene	40.000	38.675	3.3	78	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	80	0.00
77	Benzydine	40.000	31.831	20.4	45	0.00
78	Pyrene	40.000	37.531	6.2	77	0.00
79 S	Terphenyl-d14	80.000	74.739	6.6	78	0.00
80	Butylbenzylphthalate	40.000	40.760	-1.9	83	0.00
81	Benzo(a)anthracene	40.000	38.784	3.0	81	0.00
82	3,3'-Dichlorobenzidine	40.000	40.475	-1.2	83	0.00
83	Chrysene	40.000	39.282	1.8	82	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.288	-3.2	87	-0.02
85 c	Di-n-octyl phthalate	40.000	44.204	-10.5	92	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	89	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.465	-1.2	94	0.01
88	Benzo(b)fluoranthene	40.000	38.021	4.9	88	0.00
89	Benzo(k)fluoranthene	40.000	37.913	5.2	88	0.00
90 C	Benzo(a)pyrene	40.000	38.861	2.8	90	0.01
91	Dibenzo(a,h)anthracene	40.000	40.707	-1.8	94	0.00
92	Benzo(g,h,i)perylene	40.000	41.164	-2.9	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/21/2025</u> <u>03:59</u>
Lab File ID:	<u>BP025526.D</u>	Init. Calib. Date(s):	<u>08/14/2025</u> <u>08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>12:33</u> <u>17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.216		1.0	50.0
Benzaldehyde	1.082	1.290		19.2	50.0
Phenol-d6	1.544	1.547		0.2	50.0
Phenol	1.620	1.613		-0.4	50.0
bis(2-Chloroethyl)ether	1.263	1.261		-0.2	50.0
2-Chlorophenol	1.359	1.350		-0.7	50.0
2-Methylphenol	1.125	1.122		-0.3	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.733		2.4	50.0
Acetophenone	0.502	0.499		-0.6	50.0
3+4-Methylphenols	1.560	1.505		-3.5	50.0
n-Nitroso-di-n-propylamine	1.023	0.976	0.050	-4.6	50.0
Nitrobenzene-d5	0.395	0.409		3.5	50.0
Hexachloroethane	0.563	0.559		-0.7	50.0
Nitrobenzene	0.353	0.366		3.7	50.0
Isophorone	0.700	0.680		-2.9	50.0
2-Nitrophenol	0.181	0.186		2.8	50.0
2,4-Dimethylphenol	0.312	0.314		0.6	50.0
bis(2-Chloroethoxy)methane	0.423	0.410		-3.1	50.0
2,4-Dichlorophenol	0.310	0.310		0.0	50.0
Naphthalene	1.040	1.009		-3.0	50.0
4-Chloroaniline	0.459	0.448		-2.4	50.0
Hexachlorobutadiene	0.211	0.207		-1.9	50.0
Caprolactam	0.114	0.101		-11.4	50.0
4-Chloro-3-methylphenol	0.355	0.344		-3.1	50.0
2-Methylnaphthalene	0.676	0.643		-4.9	50.0
Hexachlorocyclopentadiene	0.349	0.363	0.050	4.0	50.0
2,4,6-Trichlorophenol	0.390	0.402		3.1	50.0
2-Fluorobiphenyl	1.463	1.441		-1.5	50.0
2,4,5-Trichlorophenol	0.427	0.434		1.6	50.0
1,1-Biphenyl	1.453	1.452		-0.1	50.0
2-Chloronaphthalene	1.131	1.136		0.4	50.0
2-Nitroaniline	0.329	0.351		6.7	50.0
Dimethylphthalate	1.465	1.392		-5.0	50.0
Acenaphthylene	1.871	1.854		-0.9	50.0
2,6-Dinitrotoluene	0.309	0.311		0.6	50.0
3-Nitroaniline	0.347	0.338		-2.6	50.0
Acenaphthene	1.098	1.059		-3.6	50.0
2,4-Dinitrophenol	0.165	0.168	0.050	1.8	50.0
4-Nitrophenol	0.285	0.269	0.050	-5.6	50.0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02
 Lab Code: ACE SDG No.: Q2815
 Instrument ID: BNA_P Calibration Date/Time: 08/21/2025 03:59
 Lab File ID: BP025526.D Init. Calib. Date(s): 08/14/2025 08/14/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.660		-4.4	50.0
2,4-Dinitrotoluene	0.440	0.426		-3.2	50.0
Diethylphthalate	1.488	1.379		-7.3	50.0
4-Chlorophenyl-phenylether	0.681	0.626		-8.1	50.0
Fluorene	1.370	1.266		-7.6	50.0
4-Nitroaniline	0.356	0.320		-10.1	50.0
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	50.0
n-Nitrosodiphenylamine	0.610	0.638		4.6	50.0
2,4,6-Tribromophenol	0.269	0.252		-6.3	50.0
4-Bromophenyl-phenylether	0.220	0.224		1.8	50.0
Hexachlorobenzene	0.255	0.254		-0.4	50.0
Atrazine	0.228	0.224		-1.8	50.0
Pentachlorophenol	0.161	0.166		3.1	50.0
Phenanthrene	1.099	1.065		-3.1	50.0
Anthracene	1.122	1.109		-1.2	50.0
Carbazole	1.057	1.017		-3.8	50.0
Di-n-butylphthalate	1.300	1.219		-6.2	50.0
Fluoranthene	1.311	1.183		-9.8	50.0
Pyrene	1.300	1.284		-1.2	50.0
Terphenyl-d14	1.093	1.064		-2.7	50.0
Butylbenzylphthalate	0.589	0.569		-3.4	50.0
3,3-Dichlorobenzidine	0.497	0.479		-3.6	50.0
Benzo (a) anthracene	1.319	1.296		-1.7	50.0
Chrysene	1.235	1.210		-2.0	50.0
Bis (2-ethylhexyl) phthalate	0.867	0.831		-4.2	50.0
Di-n-octyl phthalate	1.492	1.498		0.4	50.0
Benzo (b) fluoranthene	1.179	1.117		-5.3	50.0
Benzo (k) fluoranthene	1.180	1.109		-6.0	50.0
Benzo (a) pyrene	1.148	1.115		-2.9	50.0
Indeno (1,2,3-cd) pyrene	1.467	1.483		1.1	50.0
Dibenzo (a,h) anthracene	1.199	1.211		1.0	50.0
Benzo (g,h,i) perylene	1.178	1.200		1.9	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.581		0.5	50.0
1,4-Dioxane	0.472	0.469		-0.6	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.370		-1.9	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025526.D
 Acq On : 21 Aug 2025 03:59
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 21 05:11:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	191900	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	778080	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	480142	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	869173	20.000	ng	-0.01
76) Chrysene-d12	21.636	240	823541	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1048104	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	933086	80.749	ng	0.00
7) Phenol-d6	6.966	99	1187456	80.152	ng	0.00
23) Nitrobenzene-d5	8.931	82	1273041	82.765	ng	0.00
42) 2,4,6-Tribromophenol	15.895	330	484295	74.936	ng	-0.02
45) 2-Fluorobiphenyl	13.007	172	2768196	78.794	ng	-0.01
79) Terphenyl-d14	19.913	244	3505178	77.871	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	179822	39.729	ng	97
3) Pyridine	3.725	79	482600	38.955	ng	93
4) n-Nitrosodimethylamine	3.631	42	224519	43.959	ng	91
6) Aniline	7.119	93	791031	39.629	ng	99
8) 2-Chlorophenol	7.360	128	518280	39.746	ng	98
9) Benzaldehyde	6.937	77	495216	47.711	ng	98
10) Phenol	6.996	94	619143	39.828	ng	96
11) bis(2-Chloroethyl)ether	7.213	93	483955	39.942	ng	97
12) 1,3-Dichlorobenzene	7.678	146	570118	39.651	ng	97
13) 1,4-Dichlorobenzene	7.819	146	575622	39.168	ng	99
14) 1,2-Dichlorobenzene	8.137	146	549967	38.659	ng	98
15) Benzyl Alcohol	8.019	79	470863	40.000	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.307	45	665088	40.975	ng	99
17) 2-Methylphenol	8.225	107	430585	39.881	ng	98
18) Hexachloroethane	8.860	117	214677	39.729	ng	95
19) n-Nitroso-di-n-propyla...	8.584	70	374725	38.186	ng	97
20) 3+4-Methylphenols	8.548	107	577590	38.594	ng	96
22) Acetophenone	8.596	105	777206	39.831	ng	# 96
24) Nitrobenzene	8.972	77	569192	41.406	ng	99
25) Isophorone	9.495	82	1057559	38.851	ng	100
26) 2-Nitrophenol	9.672	139	289854	41.086	ng	98
27) 2,4-Dimethylphenol	9.737	122	488029	40.225	ng	98
28) bis(2-Chloroethoxy)met...	9.960	93	638647	38.812	ng	99
29) 2,4-Dichlorophenol	10.207	162	482743	40.055	ng	98
30) 1,2,4-Trichlorobenzene	10.419	180	516908	39.125	ng	97
31) Naphthalene	10.601	128	1570246	38.828	ng	99
32) Benzoic acid	9.884	122	358720	40.049	ng	97
33) 4-Chloroaniline	10.707	127	696525	38.991	ng	98
34) Hexachlorobutadiene	10.890	225	321424	39.065	ng	98
35) Caprolactam	11.495	113	156812	35.484	ng	99
36) 4-Chloro-3-methylphenol	11.831	107	534863	38.676	ng	97
37) 2-Methylnaphthalene	12.207	142	999947	37.995	ng	99
38) 1-Methylnaphthalene	12.425	142	1043941	37.300	ng	99
40) 1,2,4,5-Tetrachloroben...	12.578	216	558004	40.240	ng	99
41) Hexachlorocyclopentadiene	12.560	237	349022	41.668	ng	98
43) 2,4,6-Trichlorophenol	12.819	196	385756	41.205	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025526.D
 Acq On : 21 Aug 2025 03:59
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

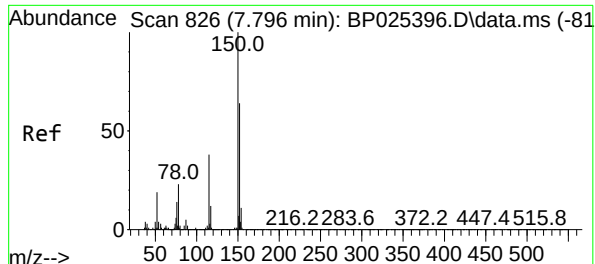
Quant Time: Aug 21 05:11:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	416547	40.598	ng	99
46) 1,1'-Biphenyl	13.219	154	1394649	39.995	ng	98
47) 2-Chloronaphthalene	13.260	162	1090908	40.186	ng	99
48) 2-Nitroaniline	13.466	65	337247	42.636	ng	96
49) Acenaphthylene	14.113	152	1780779	39.644	ng	100
50) Dimethylphthalate	13.848	163	1336804	38.020	ng	99
51) 2,6-Dinitrotoluene	13.960	165	298291	40.251	ng	98
52) Acenaphthene	14.460	154	1016517	38.553	ng	98
53) 3-Nitroaniline	14.289	138	324980	38.977	ng	95
54) 2,4-Dinitrophenol	14.507	184	160853	40.644	ng	97
55) Dibenzofuran	14.801	168	1593872	38.235	ng	98
56) 4-Nitrophenol	14.613	139	257855	37.635	ng	95
57) 2,4-Dinitrotoluene	14.760	165	409171	38.698	ng	97
58) Fluorene	15.460	166	1216177	36.973	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.030	232	355491	39.239	ng	99
60) Diethylphthalate	15.225	149	1323887	37.056	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	600871	36.730	ng	97
62) 4-Nitroaniline	15.472	138	307105	35.928	ng	95
63) Azobenzene	15.748	77	1216437	39.764	ng	98
65) 4,6-Dinitro-2-methylph...	15.530	198	227645	42.016	ng	92
66) n-Nitrosodiphenylamine	15.666	169	1109160	41.848	ng	100
67) 4-Bromophenyl-phenylether	16.366	248	388602	40.652	ng	99
68) Hexachlorobenzene	16.483	284	442271	39.912	ng	97
69) Atrazine	16.642	200	388998	39.190	ng	98
70) Pentachlorophenol	16.836	266	288486	41.242	ng	96
71) Phenanthrene	17.230	178	1852149	38.791	ng	100
72) Anthracene	17.324	178	1927125	39.524	ng	99
73) Carbazole	17.601	167	1767299	38.481	ng	100
74) Di-n-butylphthalate	18.201	149	2118222	37.487	ng	100
75) Fluoranthene	19.319	202	2056945	36.116	ng	98
77) Benzidine	19.507	184	955775	34.006	ng	99
78) Pyrene	19.695	202	2114083	39.495	ng	100
80) Butylbenzylphthalate	20.648	149	936663	38.610	ng	100
81) Benzo(a)anthracene	21.612	228	2134261	39.296	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	789715	38.576	ng	100
83) Chrysene	21.677	228	1992794	39.179	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1368948	38.334	ng	100
85) Di-n-octyl phthalate	22.842	149	2466831	40.160	ng	98
87) Indeno(1,2,3-cd)pyrene	28.847	276	3108816	40.446	ng	98
88) Benzo(b)fluoranthene	23.948	252	2342446	37.901	ng	100
89) Benzo(k)fluoranthene	24.024	252	2325553	37.602	ng	99
90) Benzo(a)pyrene	24.854	252	2336844	38.843	ng	98
91) Dibenzo(a,h)anthracene	28.936	278	2537691	40.400	ng	100
92) Benzo(g,h,i)perylene	30.012	276	2515443	40.739	ng	100

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

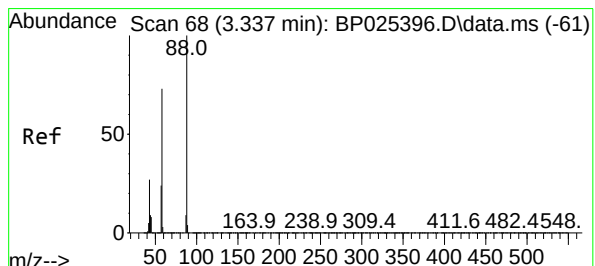
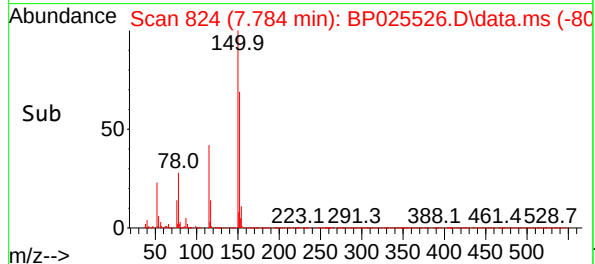
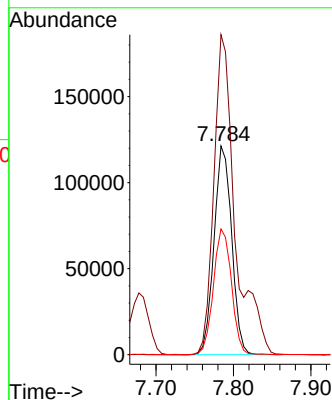
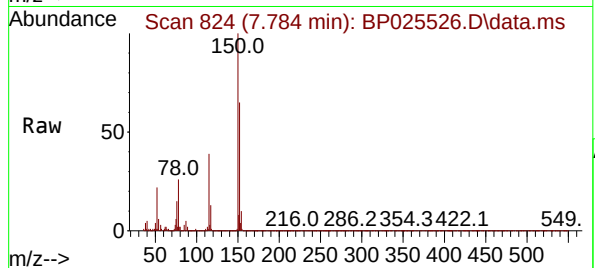
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- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

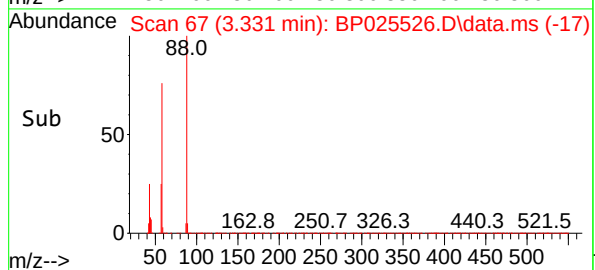
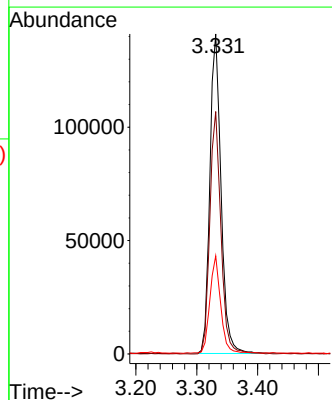
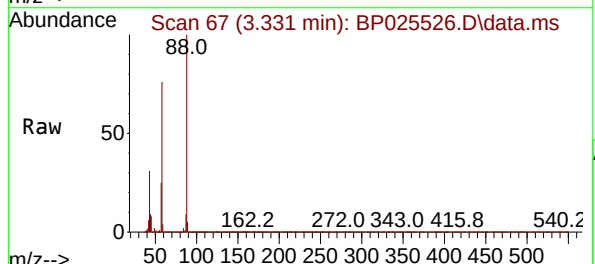
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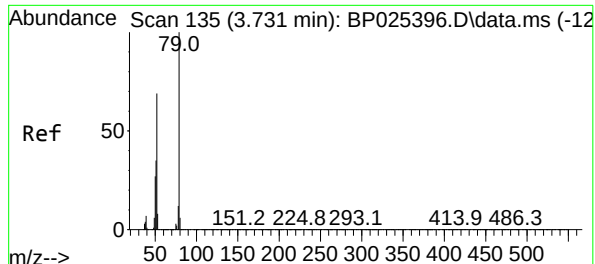
Tgt Ion:152 Resp: 191900
Ion Ratio Lower Upper
152 100
150 153.4 125.9 188.9
115 60.2 48.5 72.7



#2
1,4-Dioxane
Concen: 39.729 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 88 Resp: 179822
Ion Ratio Lower Upper
88 100
58 75.5 59.2 88.8
43 29.8 21.7 32.5





#3

Pyridine

Concen: 38.955 ng

RT: 3.725 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

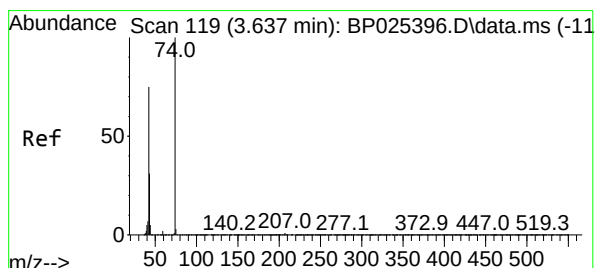
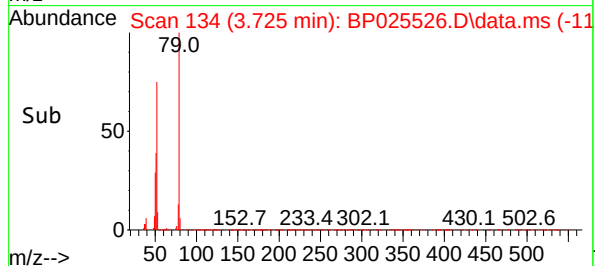
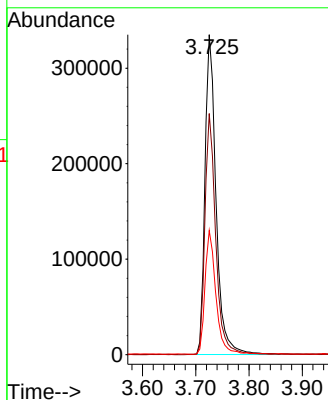
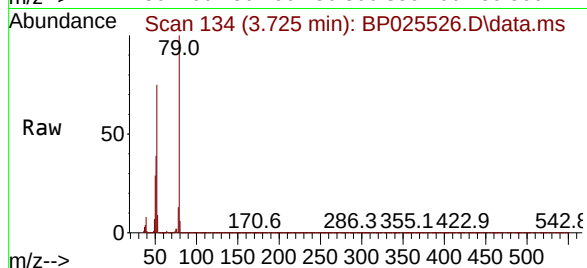
BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 79 Resp: 482600

Ion	Ratio	Lower	Upper
79	100		
52	75.3	55.5	83.3
51	38.8	28.3	42.5



#4

n-Nitrosodimethylamine

Concen: 43.959 ng

RT: 3.631 min Scan# 118

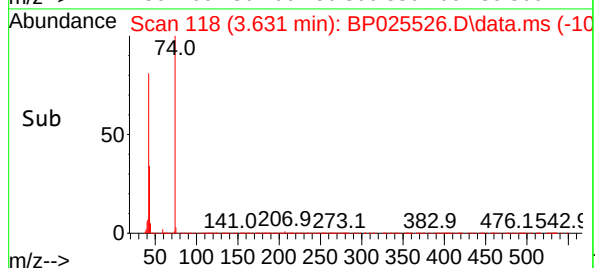
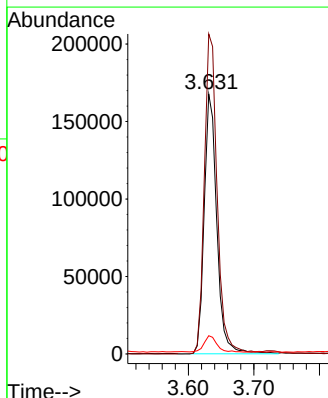
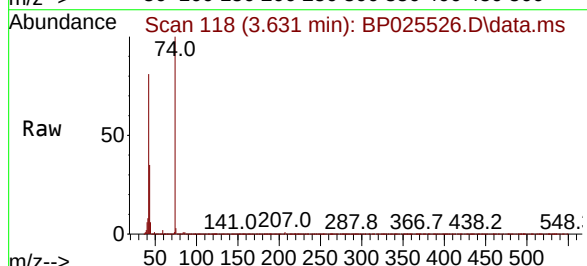
Delta R.T. -0.006 min

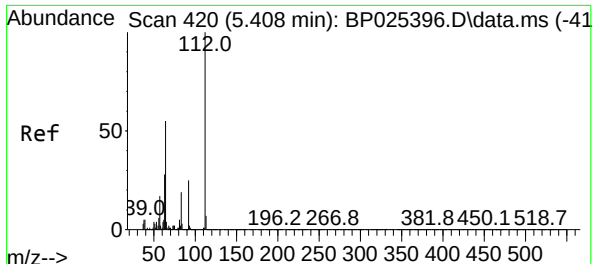
Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Tgt Ion: 42 Resp: 224519

Ion	Ratio	Lower	Upper
42	100		
74	123.2	107.0	160.4
44	7.0	6.2	9.4

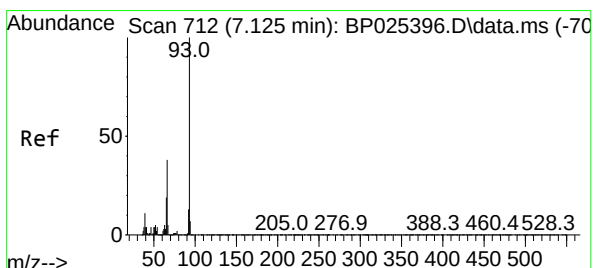
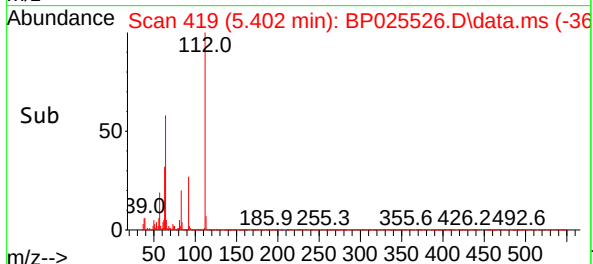
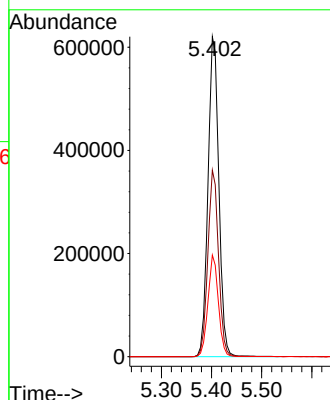
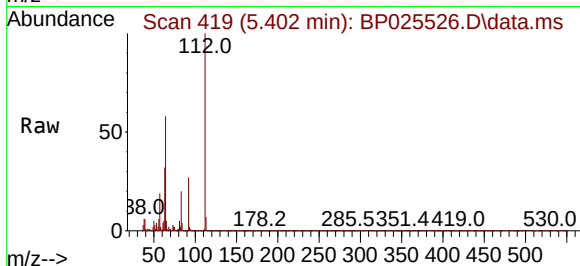




#5
2-Fluorophenol
Concen: 80.749 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

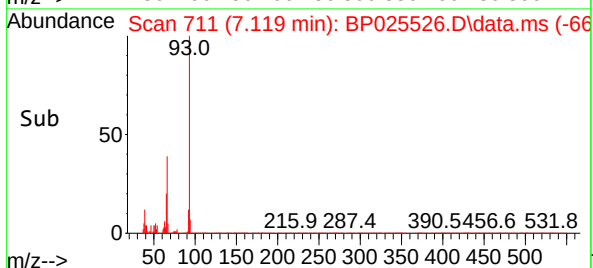
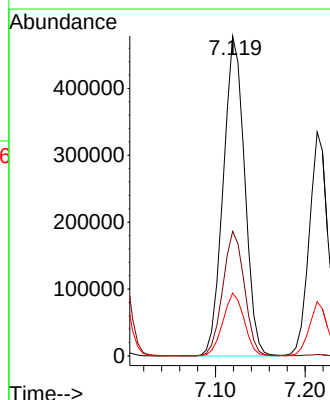
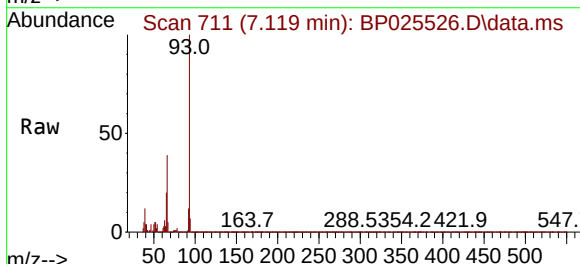
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BNA_P
ClientSampleId :
SSTDCCC040EC

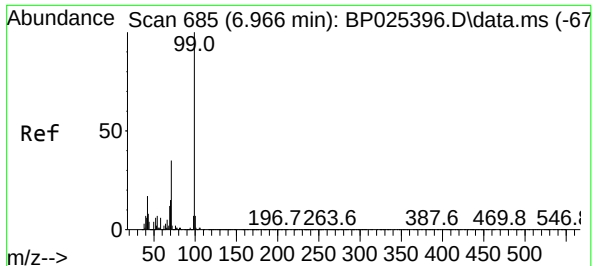
Tgt Ion:112 Resp: 933086
Ion Ratio Lower Upper
112 100
64 58.3 43.8 65.8
63 31.7 22.7 34.1



#6
Aniline
Concen: 39.629 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 93 Resp: 791031
Ion Ratio Lower Upper
93 100
66 39.0 30.4 45.6
65 19.6 15.3 22.9

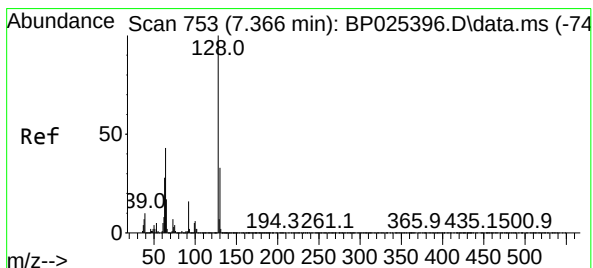
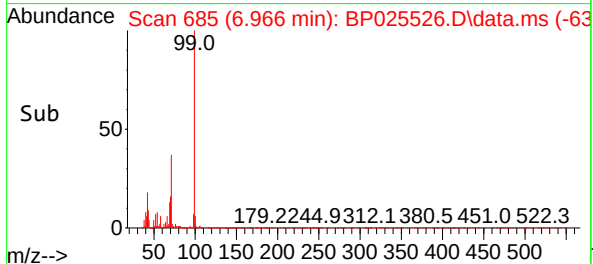
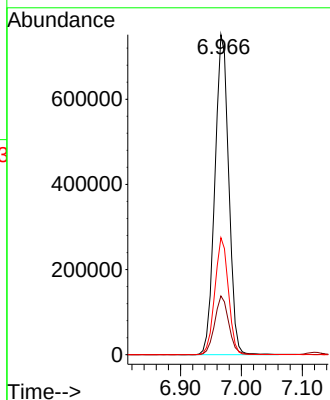
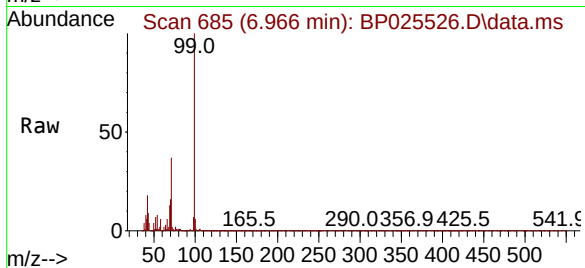




#7
Phenol-d6
Concen: 80.152 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

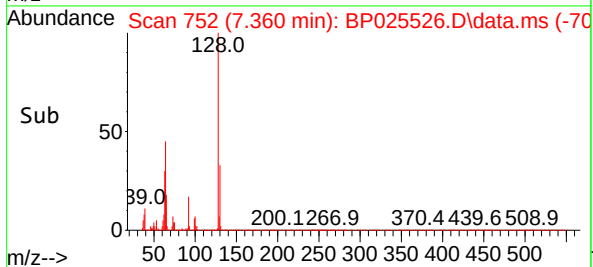
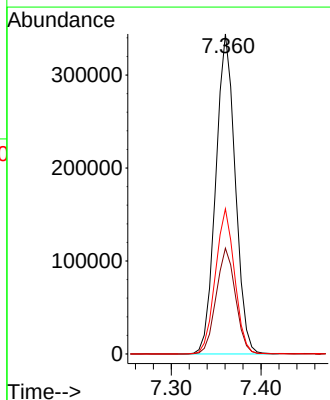
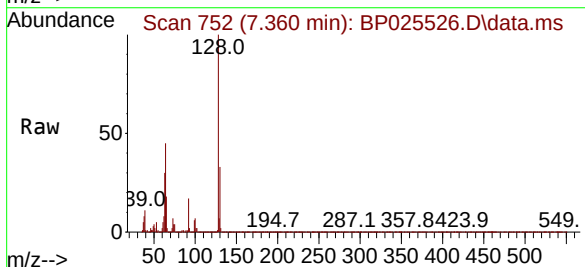
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BNA_P
ClientSampleId :
SSTDCCC040EC

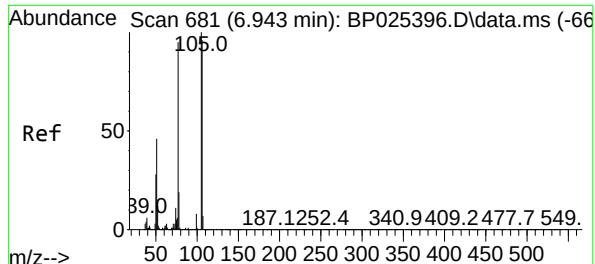
Tgt Ion: 99 Resp: 1187456
Ion Ratio Lower Upper
99 100
42 18.3 13.7 20.5
71 36.6 28.2 42.4



#8
2-Chlorophenol
Concen: 39.746 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 128 Resp: 518280
Ion Ratio Lower Upper
128 100
130 33.1 12.6 52.6
64 45.4 23.4 63.4

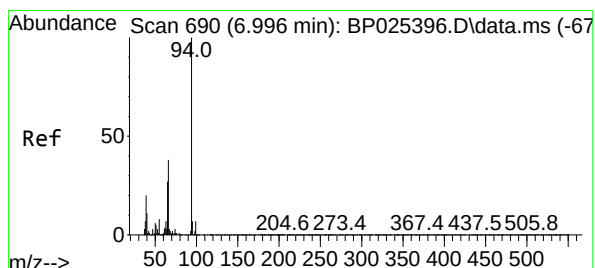
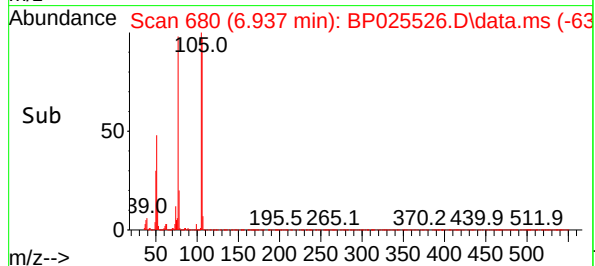
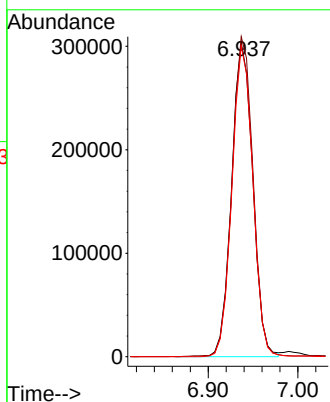
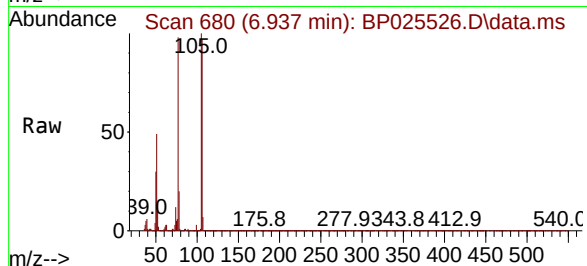




#9
Benzaldehyde
Concen: 47.711 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

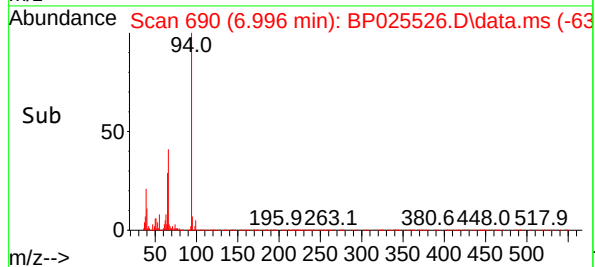
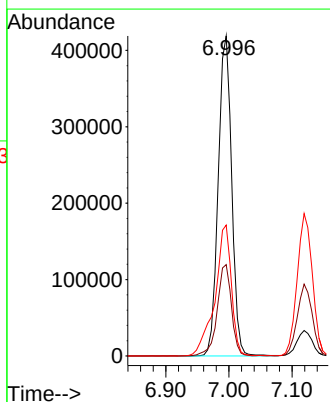
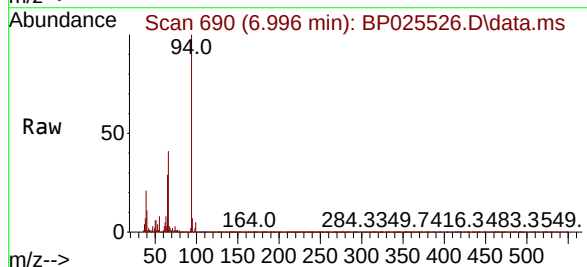
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

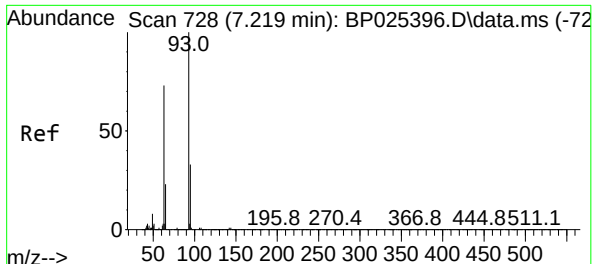
Tgt Ion: 77 Resp: 495216
Ion Ratio Lower Upper
77 100
105 101.8 84.8 124.8
106 98.9 80.5 120.5



#10
Phenol
Concen: 39.828 ng
RT: 6.996 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 94 Resp: 619143
Ion Ratio Lower Upper
94 100
65 28.5 6.8 46.8
66 40.9 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 39.942 ng

RT: 7.213 min Scan# 71

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

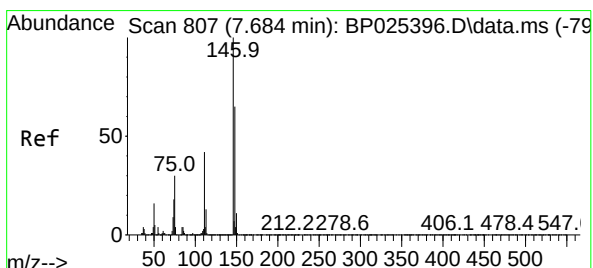
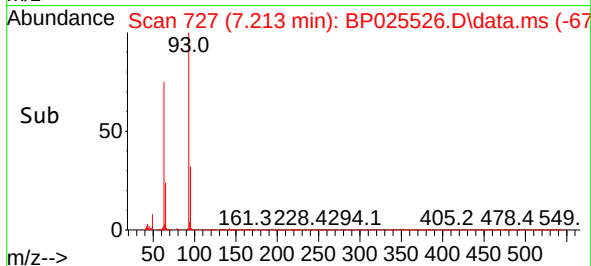
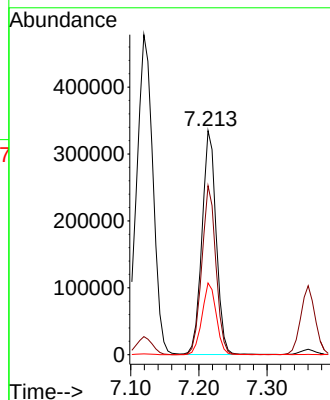
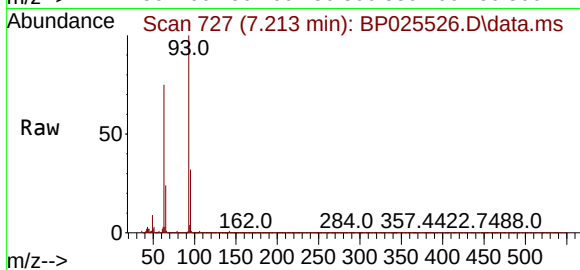
Tgt Ion: 93 Resp: 483955

Ion Ratio Lower Upper

93 100

63 75.4 52.6 92.6

95 32.0 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 39.651 ng

RT: 7.678 min Scan# 806

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

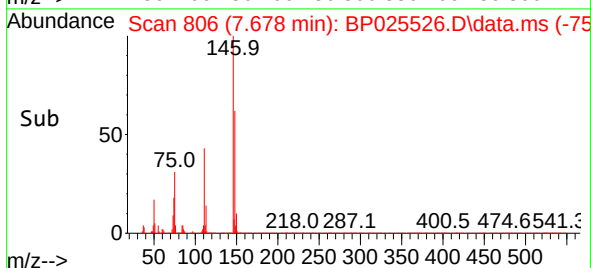
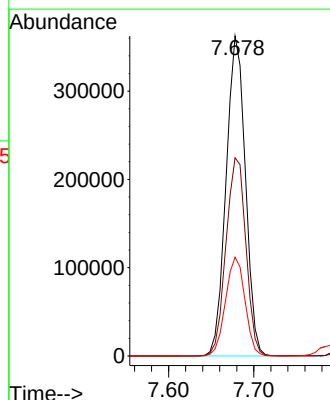
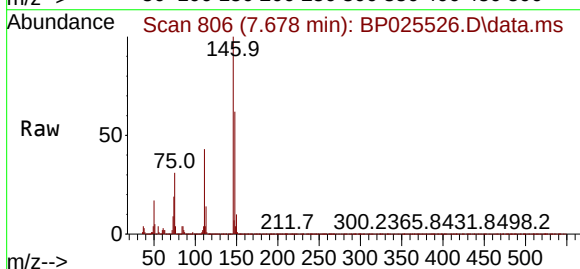
Tgt Ion: 146 Resp: 570118

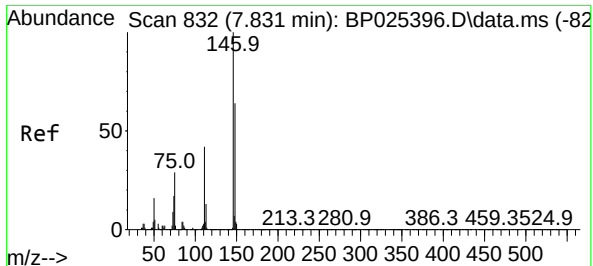
Ion Ratio Lower Upper

146 100

148 62.0 51.9 77.9

75 30.9 23.7 35.5

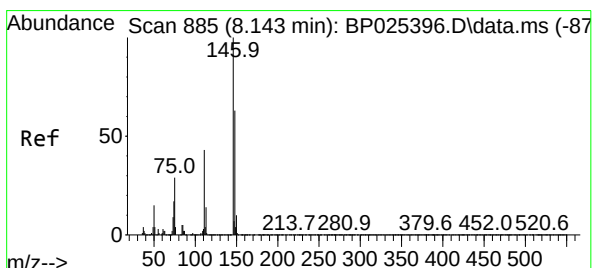
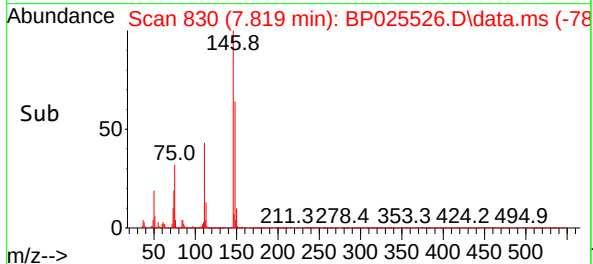
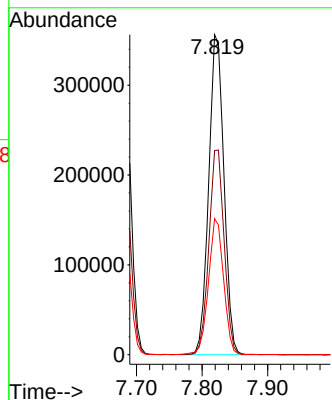
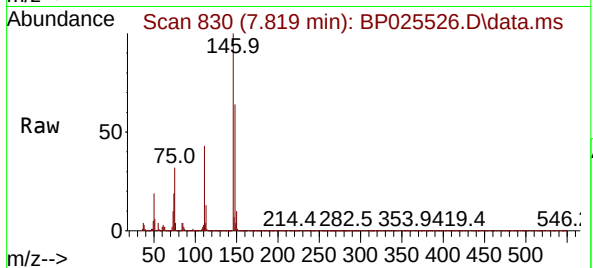




#13
1,4-Dichlorobenzene
Concen: 39.168 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

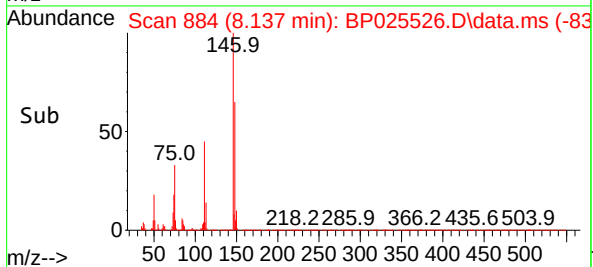
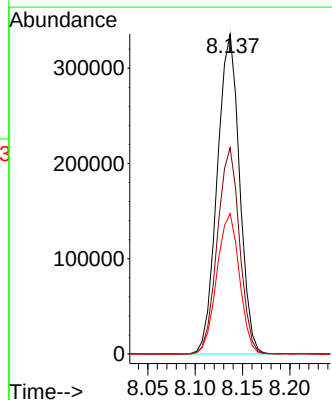
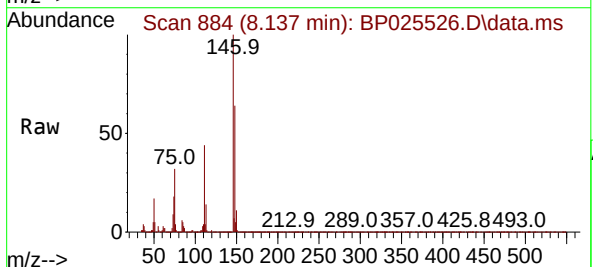
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

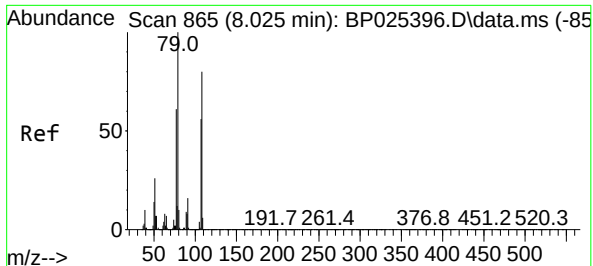
Tgt Ion:146 Resp: 575622
Ion Ratio Lower Upper
146 100
148 63.8 51.6 77.4
111 42.5 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 38.659 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:146 Resp: 549967
Ion Ratio Lower Upper
146 100
148 64.4 50.4 75.6
111 43.9 34.5 51.7

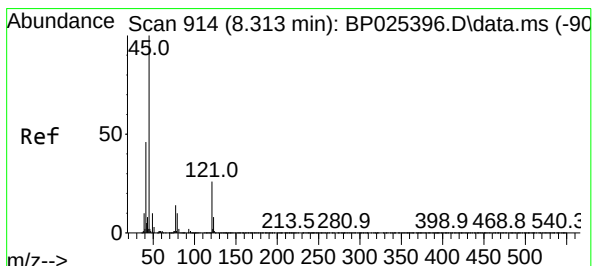
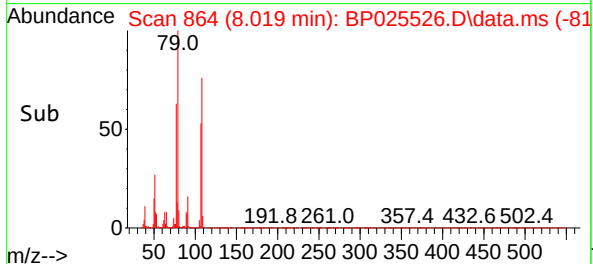
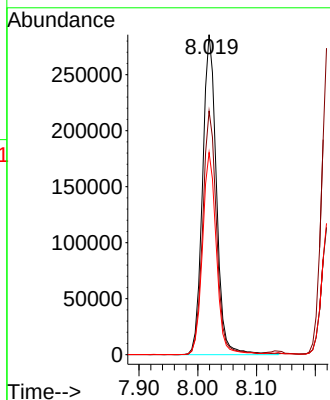
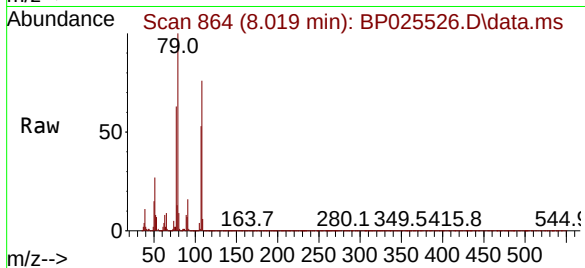




#15
Benzyl Alcohol
Concen: 40.000 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

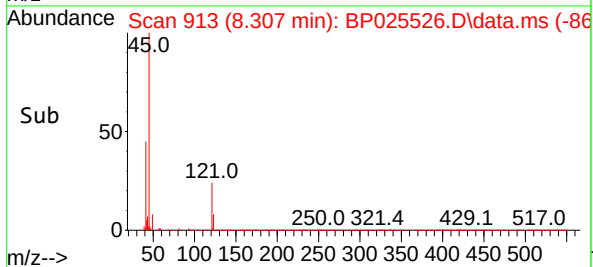
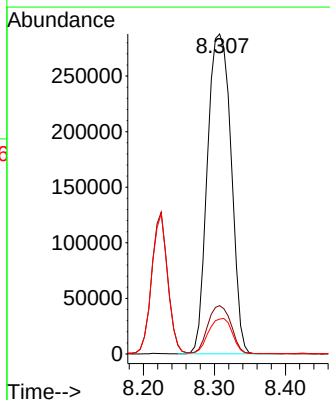
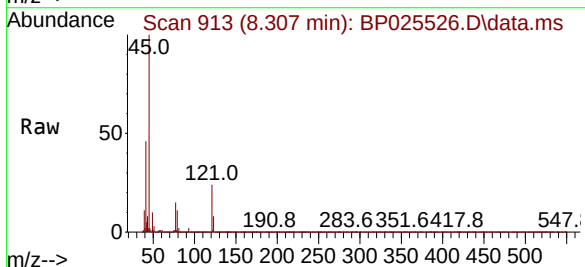
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

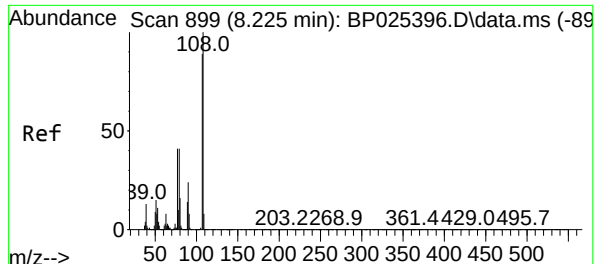
Tgt Ion: 79 Resp: 470863
Ion Ratio Lower Upper
79 100
108 76.2 63.8 95.6
77 63.2 49.0 73.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 40.975 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 45 Resp: 665088
Ion Ratio Lower Upper
45 100
77 15.1 0.0 35.3
79 10.9 0.0 31.8

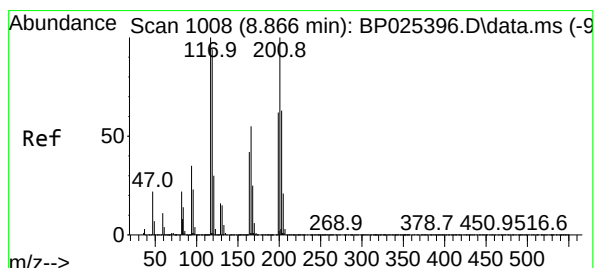
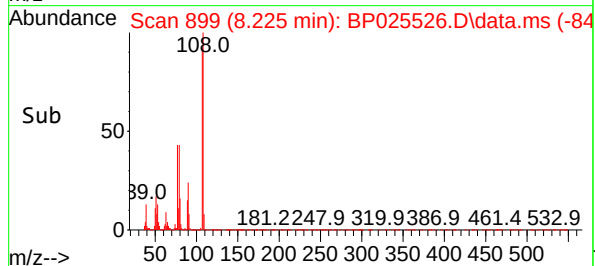
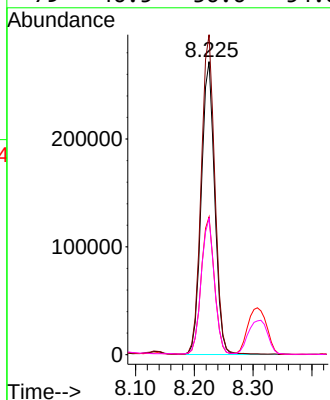
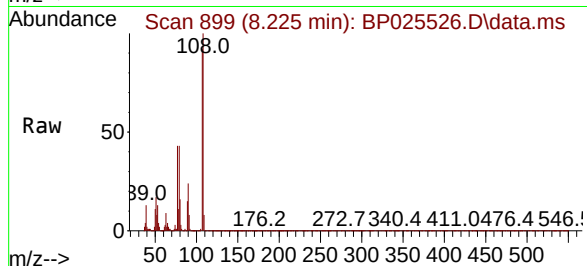




#17
2-Methylphenol
Concen: 39.881 ng
RT: 8.225 min Scan# 899
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

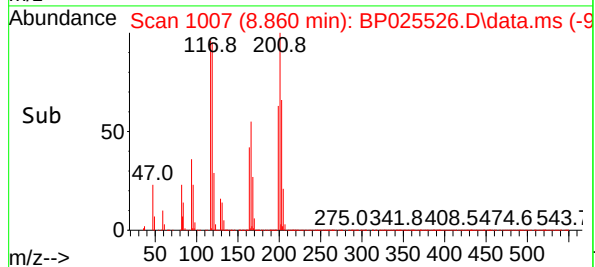
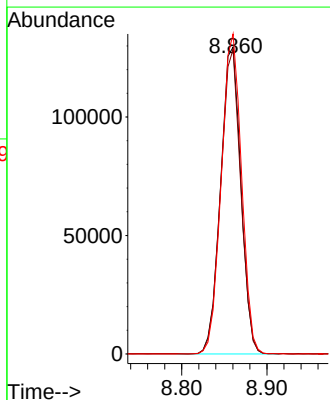
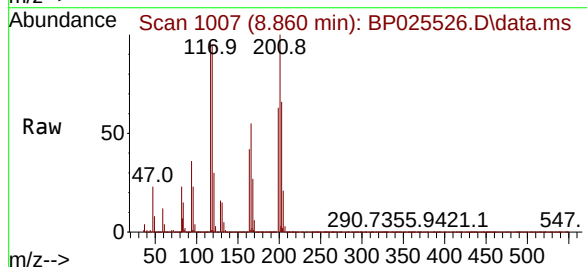
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

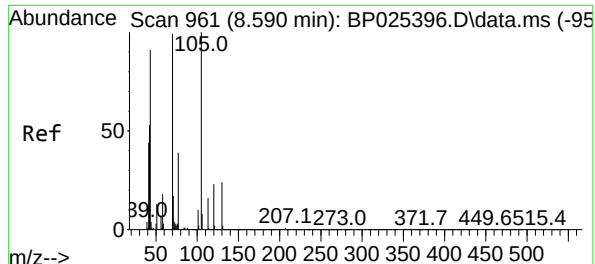
Tgt Ion:	107	Resp:	430585
Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.4	134.0
77	47.0	36.3	54.5
79	46.5	36.6	54.8



#18
Hexachloroethane
Concen: 39.729 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:	117	Resp:	214677
Ion	Ratio	Lower	Upper
117	100		
119	99.3	75.1	112.7
201	104.3	80.1	120.1





#19

n-Nitroso-di-n-propylamine

Concen: 38.186 ng

RT: 8.584 min Scan# 961

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 70 Resp: 374725

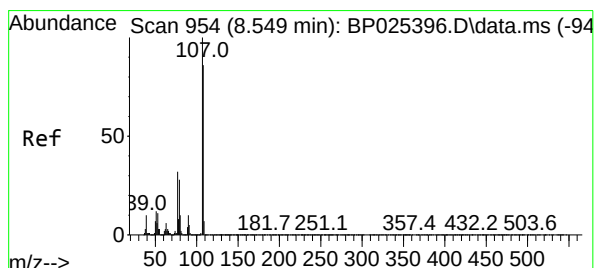
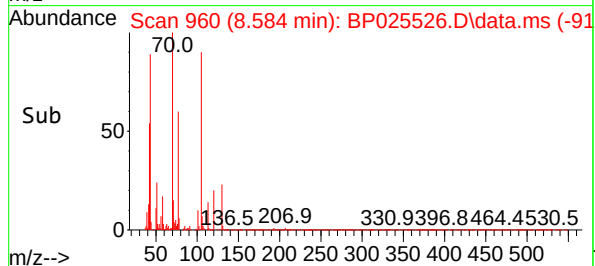
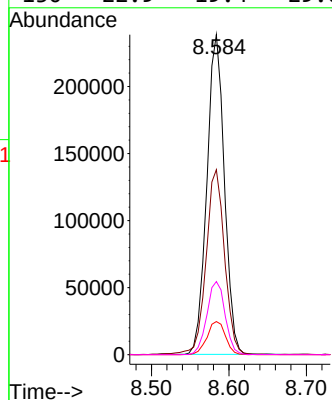
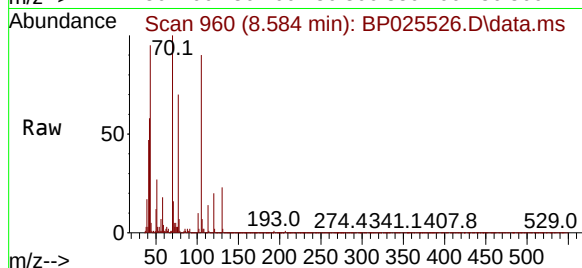
Ion Ratio Lower Upper

70 100

42 57.8 43.8 65.6

101 10.3 8.5 12.7

130 22.9 19.4 29.0



#20

3+4-Methylphenols

Concen: 38.594 ng

RT: 8.548 min Scan# 954

Delta R.T. -0.000 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Tgt Ion: 107 Resp: 577590

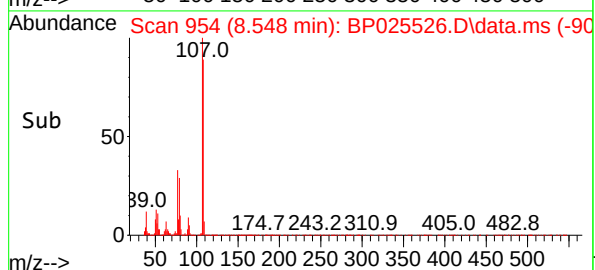
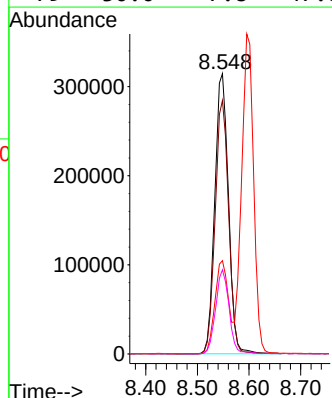
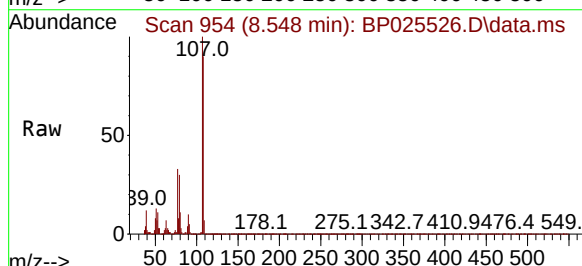
Ion Ratio Lower Upper

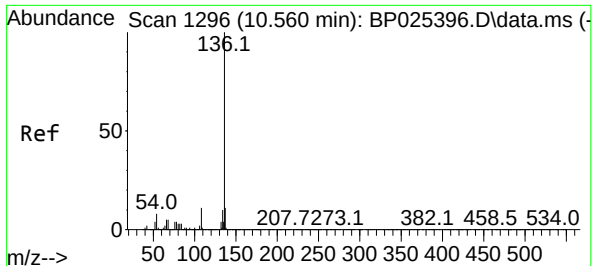
107 100

108 90.4 66.3 106.3

77 33.3 12.3 52.3

79 30.0 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.554 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:136 Resp: 778080

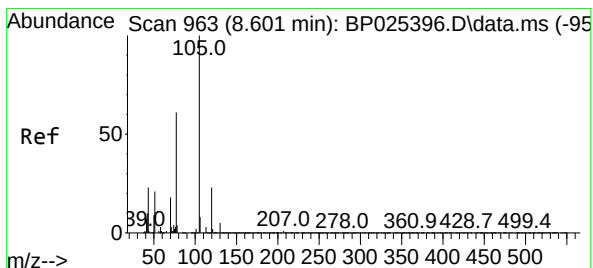
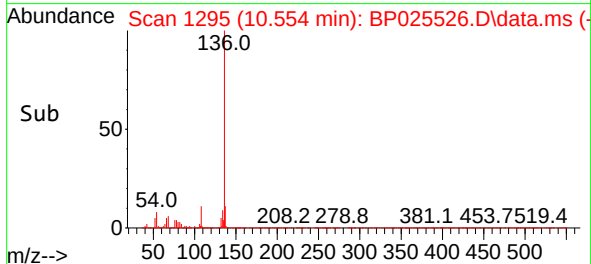
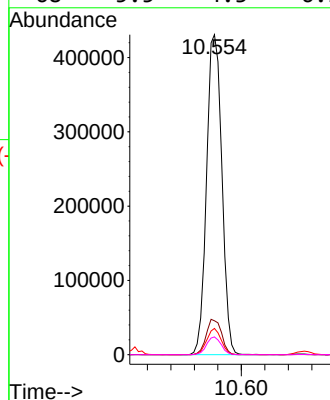
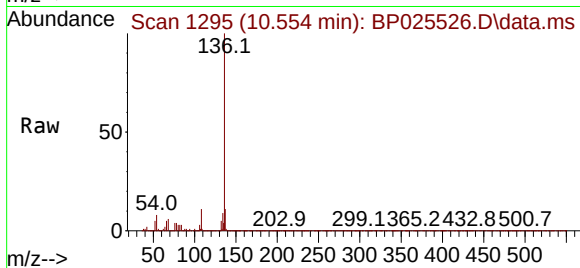
Ion Ratio Lower Upper

136 100

137 10.6 9.2 13.8

54 8.2 6.0 9.0

68 5.5 4.3 6.5



#22

Acetophenone

Concen: 39.831 ng

RT: 8.596 min Scan# 962

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Tgt Ion:105 Resp: 777206

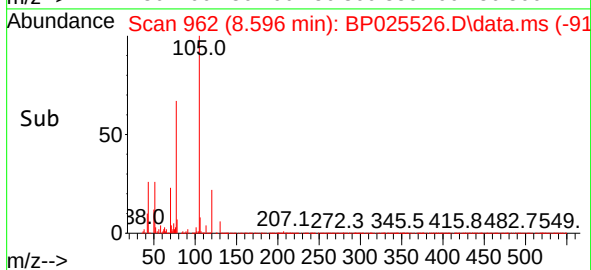
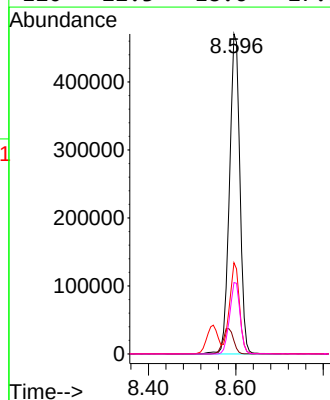
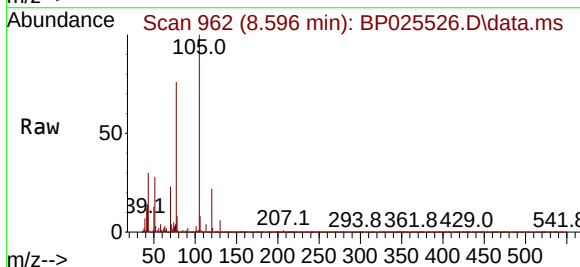
Ion Ratio Lower Upper

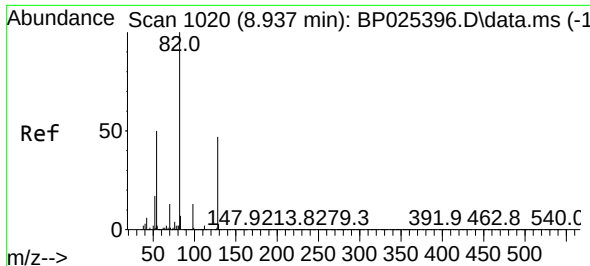
105 100

71 4.1 2.6 4.0#

51 28.5 20.6 30.8

120 22.3 18.6 27.8





#23

Nitrobenzene-d5

Concen: 82.765 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

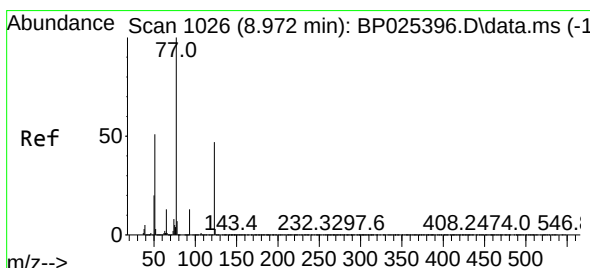
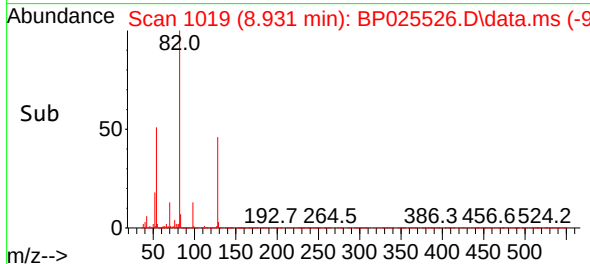
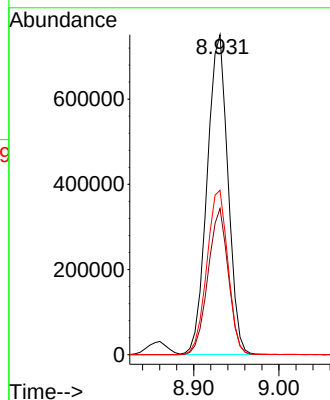
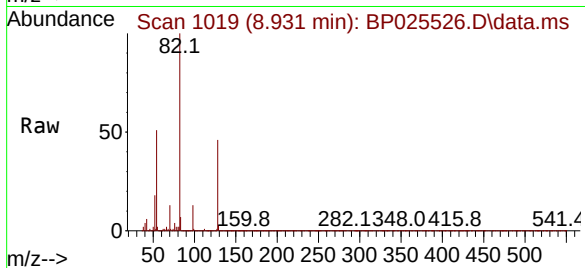
Tgt Ion: 82 Resp: 1273041

Ion Ratio Lower Upper

82 100

128 45.7 37.7 56.5

54 51.4 39.8 59.6



#24

Nitrobenzene

Concen: 41.406 ng

RT: 8.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

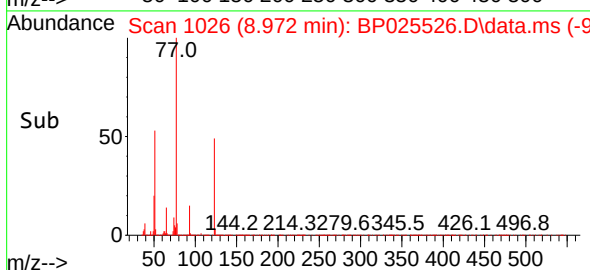
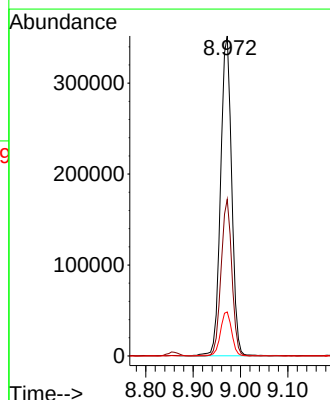
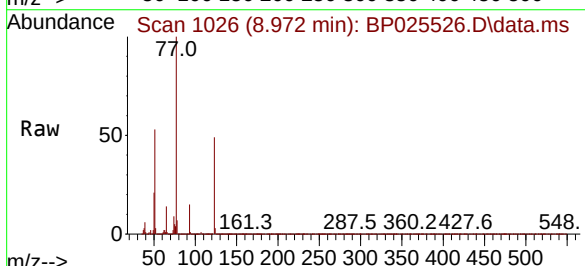
Tgt Ion: 77 Resp: 569192

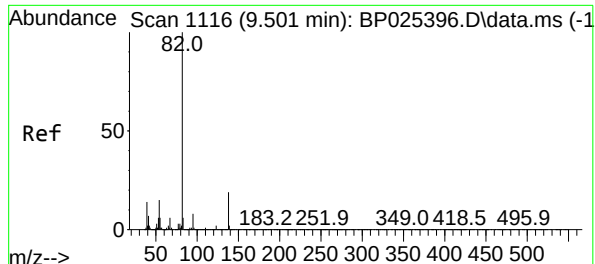
Ion Ratio Lower Upper

77 100

123 48.9 38.6 58.0

65 13.8 10.6 15.8





#25

Isophorone

Concen: 38.851 ng

RT: 9.495 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

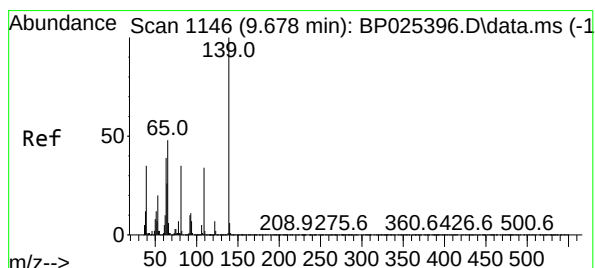
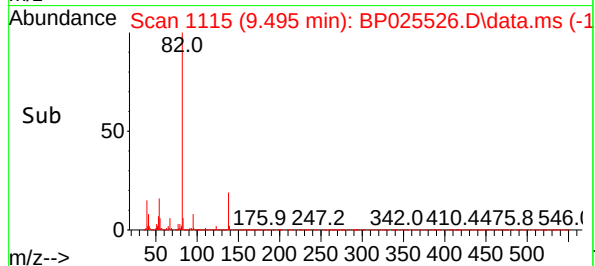
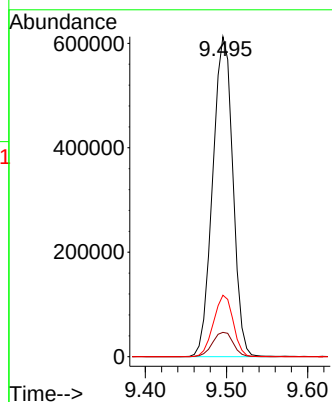
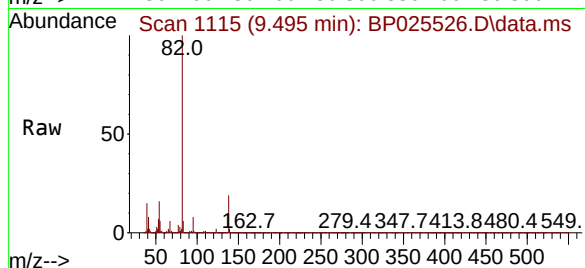
BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 82 Resp: 1057559

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	19.2	15.4	23.0



#26

2-Nitrophenol

Concen: 41.086 ng

RT: 9.672 min Scan# 1145

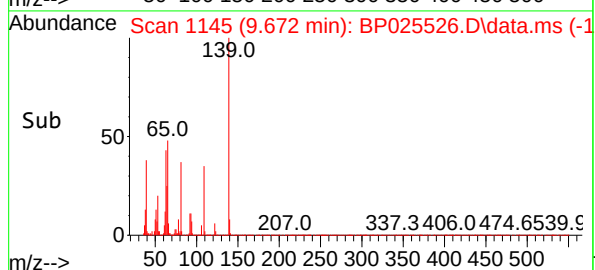
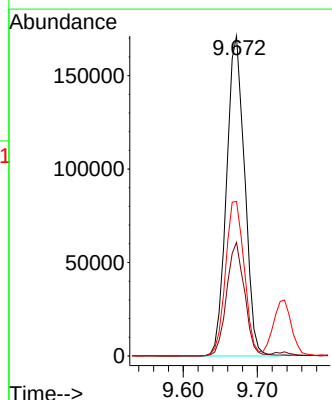
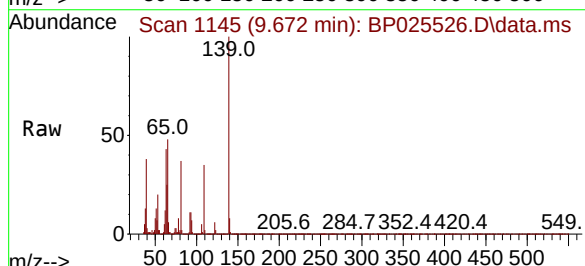
Delta R.T. -0.006 min

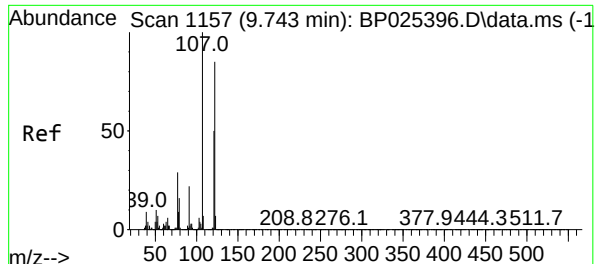
Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Tgt Ion: 139 Resp: 289854

Ion	Ratio	Lower	Upper
139	100		
109	35.5	26.9	40.3
65	48.3	38.3	57.5





#27

2,4-Dimethylphenol

Concen: 40.225 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

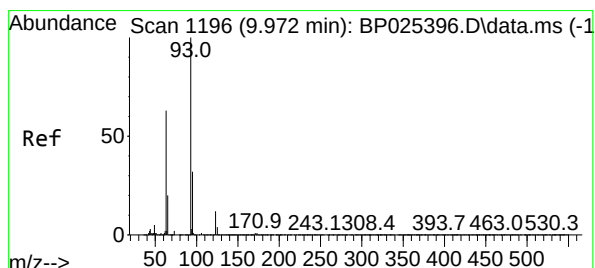
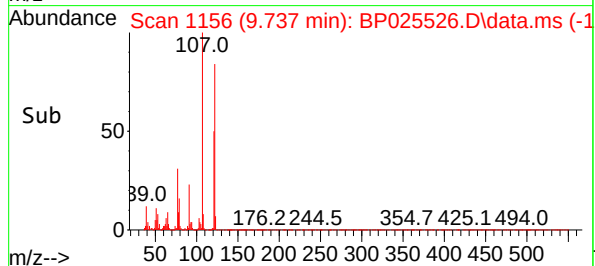
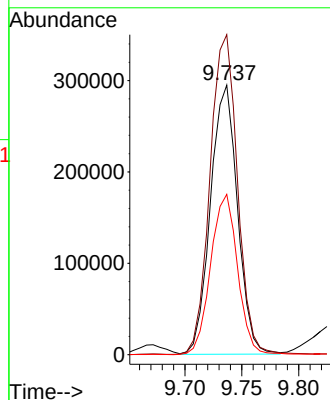
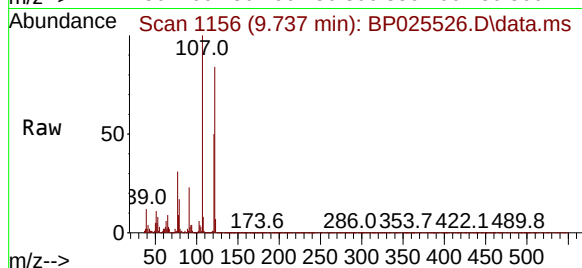
Tgt Ion:122 Resp: 488029

Ion Ratio Lower Upper

122 100

107 118.7 93.7 140.5

121 59.5 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 38.812 ng

RT: 9.960 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

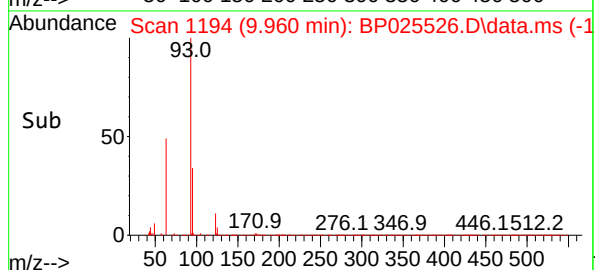
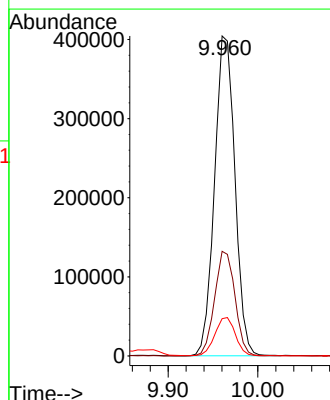
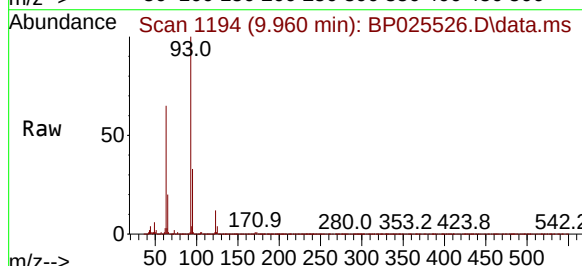
Tgt Ion: 93 Resp: 638647

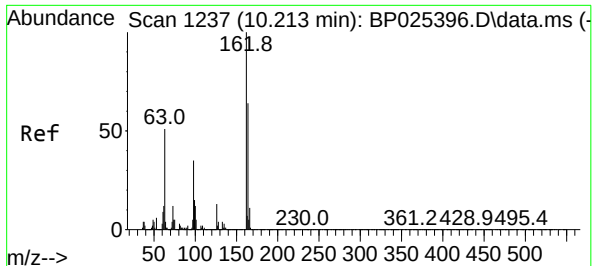
Ion Ratio Lower Upper

93 100

95 32.7 25.4 38.0

123 11.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 40.055 ng

RT: 10.207 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

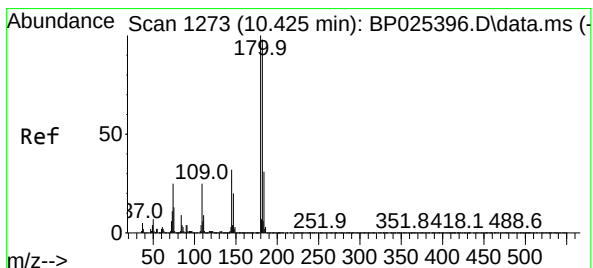
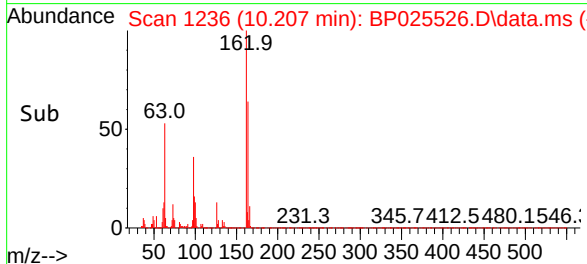
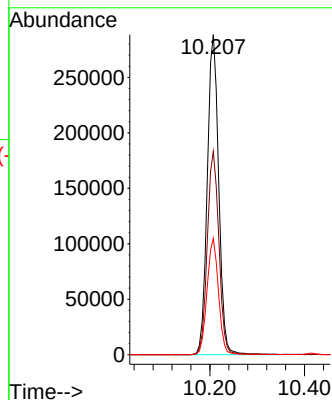
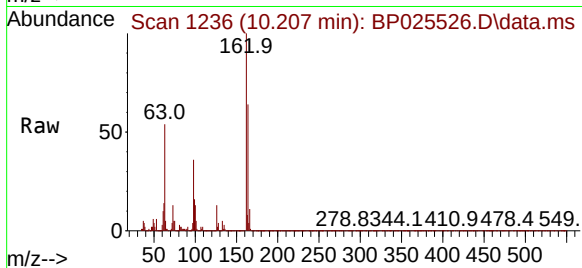
Tgt Ion:162 Resp: 482743

Ion Ratio Lower Upper

162 100

164 63.6 44.4 84.4

98 36.3 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 39.125 ng

RT: 10.419 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

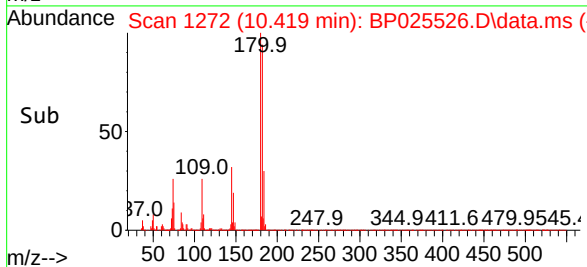
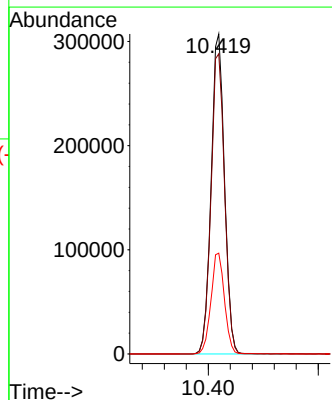
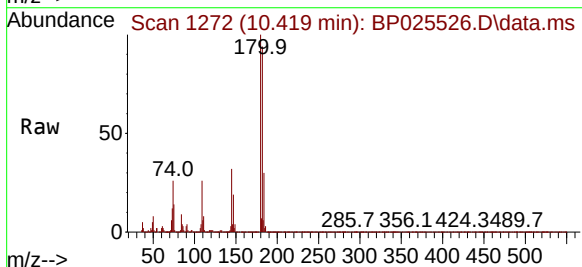
Tgt Ion:180 Resp: 516908

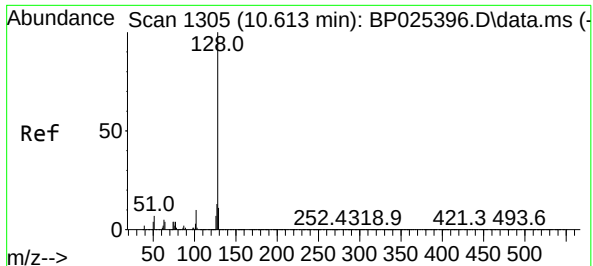
Ion Ratio Lower Upper

180 100

182 93.8 78.0 117.0

145 31.5 25.9 38.9

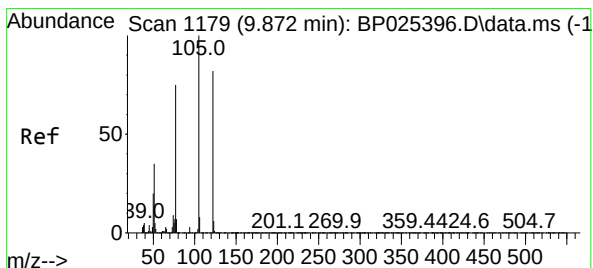
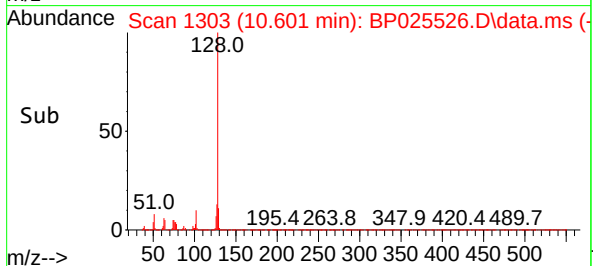
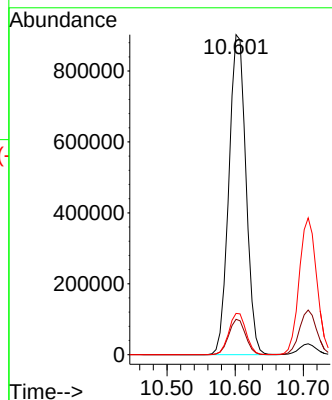
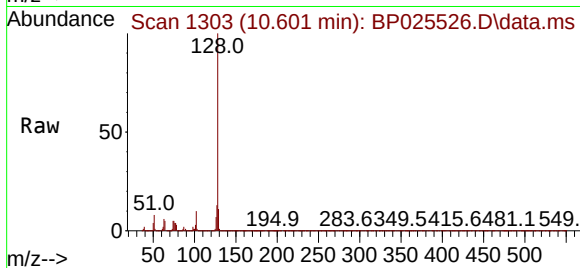




#31
Naphthalene
Concen: 38.828 ng
RT: 10.601 min Scan# 111
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

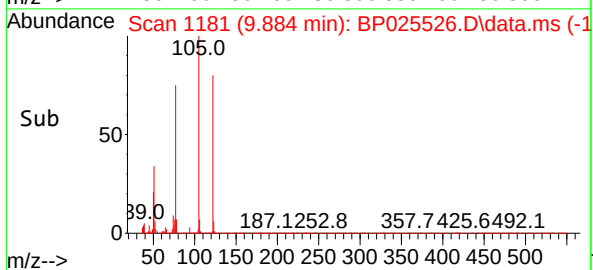
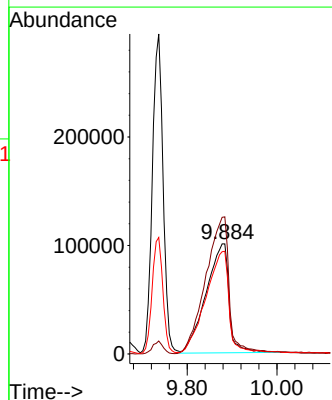
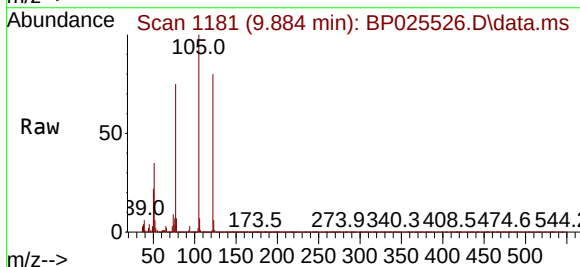
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

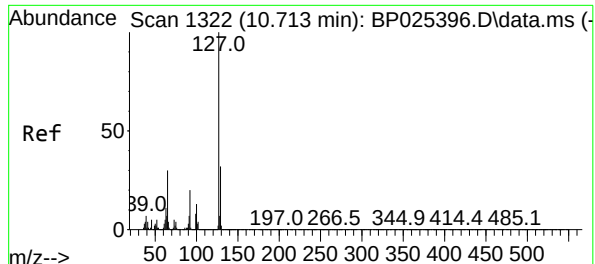
Tgt Ion:128 Resp: 1570246
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 12.9 10.7 16.1



#32
Benzoic acid
Concen: 40.049 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:122 Resp: 358720
Ion Ratio Lower Upper
122 100
105 124.5 100.6 140.6
77 93.3 71.5 111.5

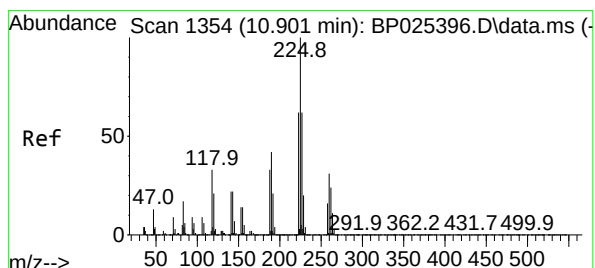
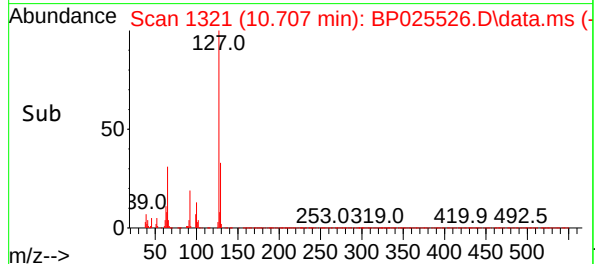
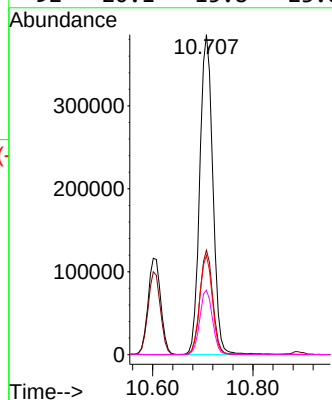
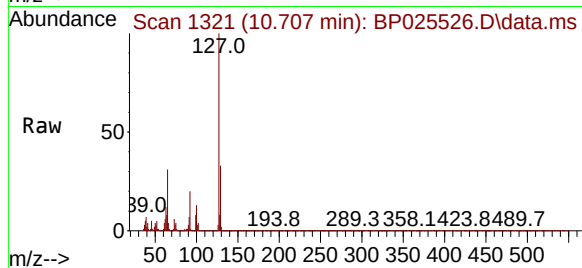




#33
4-Chloroaniline
Concen: 38.991 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

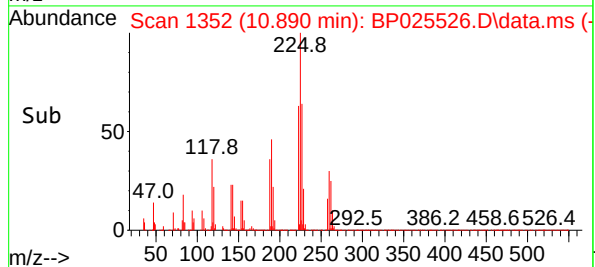
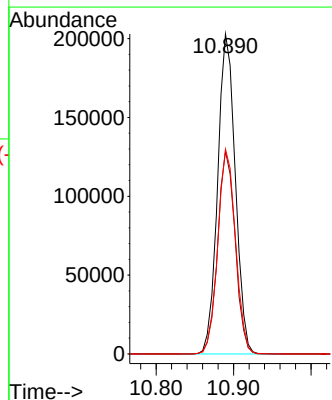
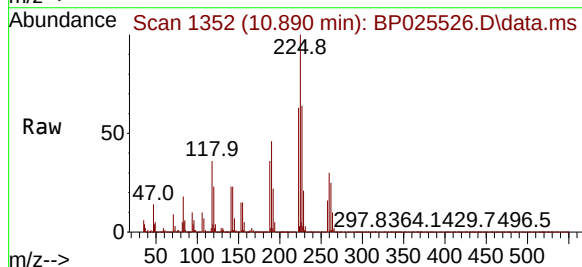
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

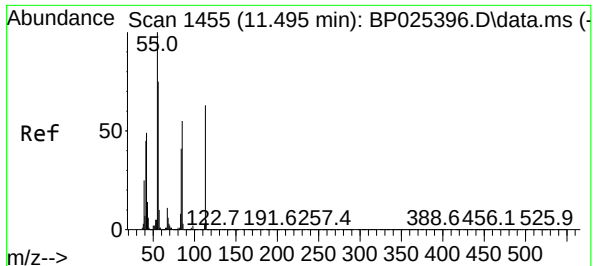
Tgt Ion:	127	Resp:	696525
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	31.0	23.8	35.6
92	20.1	15.8	23.8



#34
Hexachlorobutadiene
Concen: 39.065 ng
RT: 10.890 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:	225	Resp:	321424
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.0	75.0
227	64.0	49.7	74.5

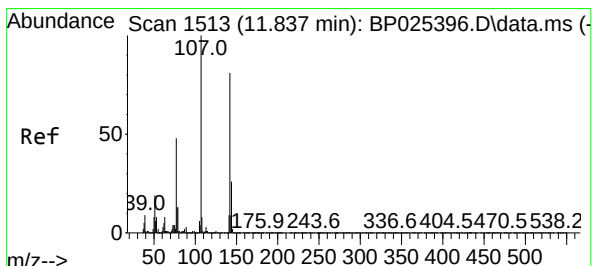
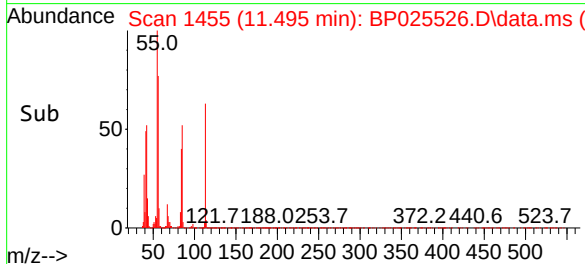
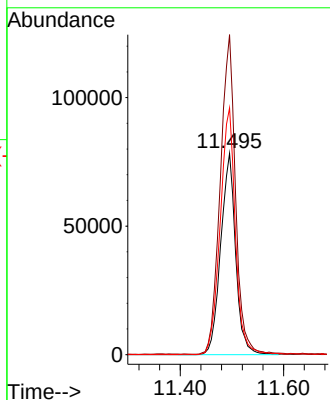
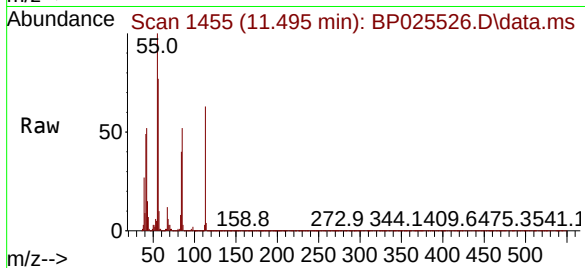




#35
Caprolactam
Concen: 35.484 ng
RT: 11.495 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

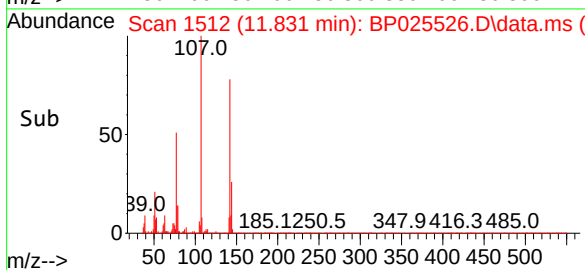
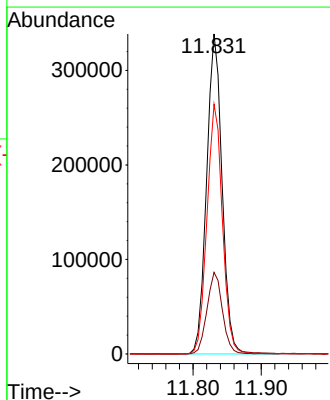
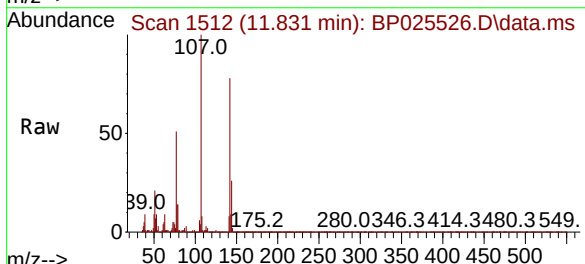
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

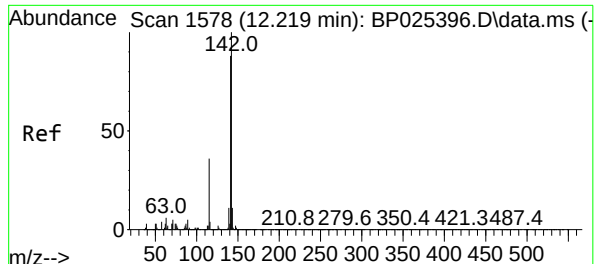
Tgt Ion:113 Resp: 156812
Ion Ratio Lower Upper
113 100
55 159.0 140.0 180.0
56 122.6 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 38.676 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:107 Resp: 534863
Ion Ratio Lower Upper
107 100
144 25.5 21.0 31.4
142 78.1 64.6 97.0

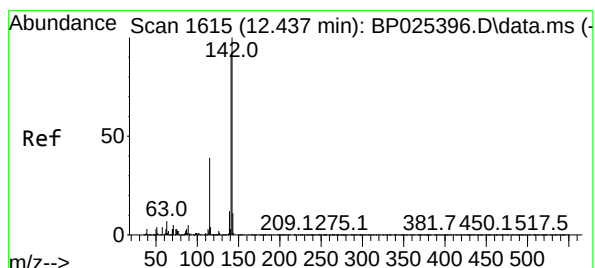
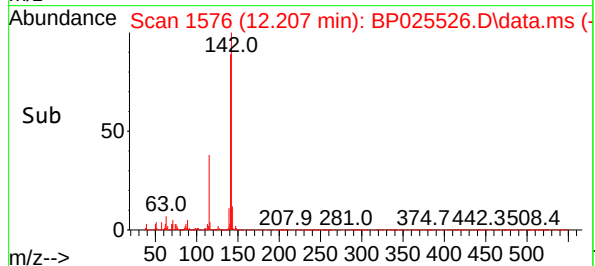
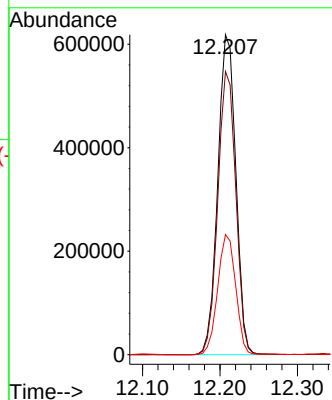
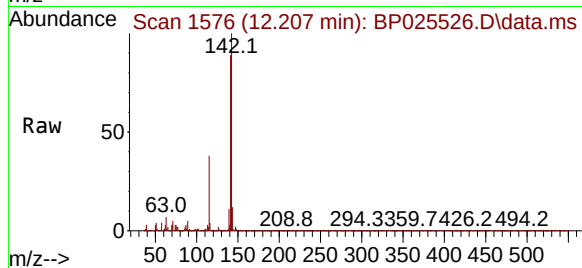




#37
2-Methylnaphthalene
Concen: 37.995 ng
RT: 12.207 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

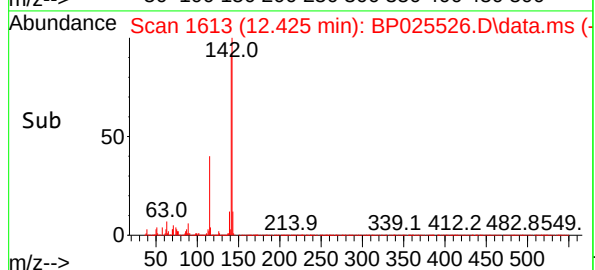
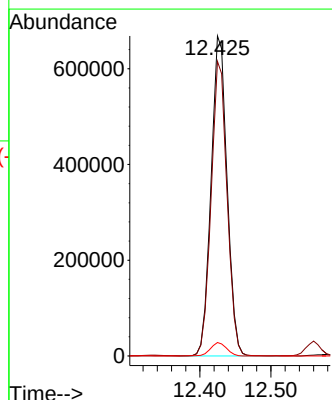
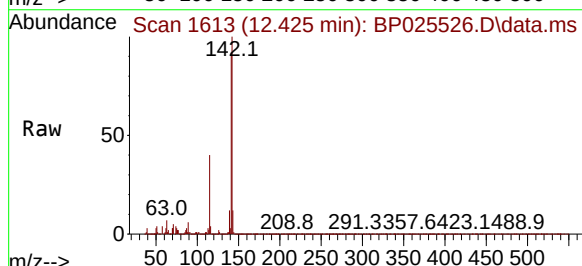
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

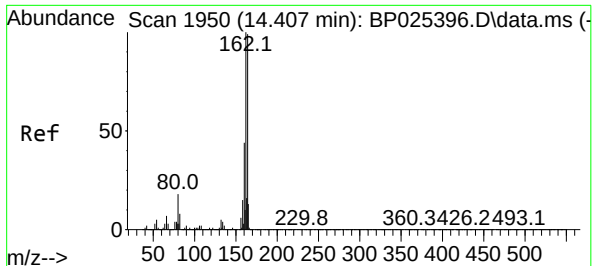
Tgt Ion:142 Resp: 999947
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5
115 37.6 28.9 43.3



#38
1-Methylnaphthalene
Concen: 37.300 ng
RT: 12.425 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:142 Resp: 1043941
Ion Ratio Lower Upper
142 100
141 92.1 73.1 109.7
116 4.2 3.2 4.8

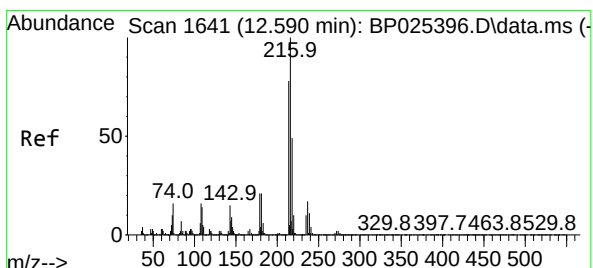
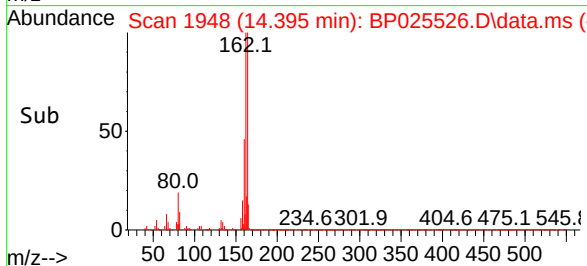
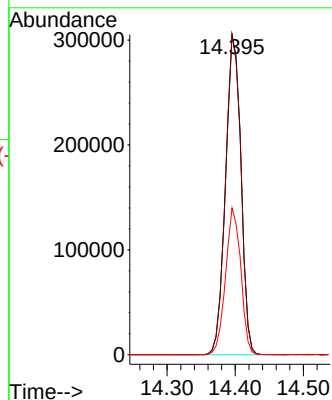
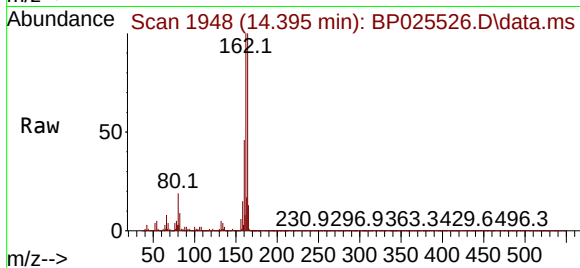




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

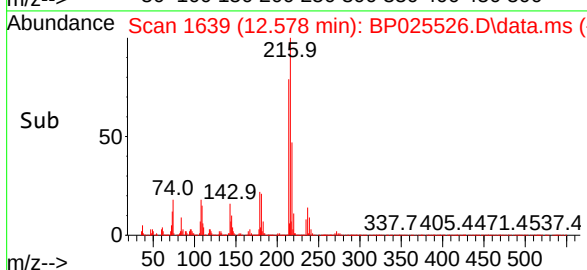
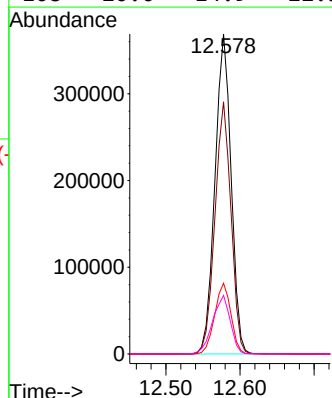
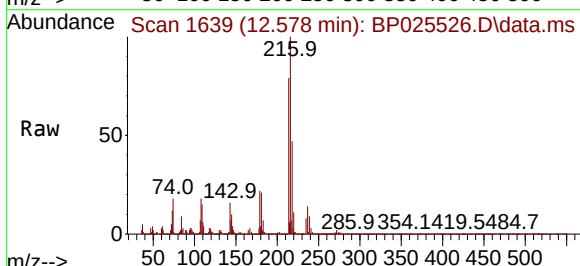
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

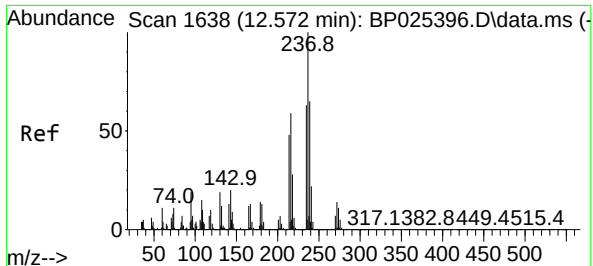
Tgt Ion:164 Resp: 480142
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.6
160 45.9 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.240 ng
RT: 12.578 min Scan# 1639
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:216 Resp: 558004
Ion Ratio Lower Upper
216 100
214 78.2 63.0 94.4
179 22.3 17.1 25.7
108 20.0 14.9 22.3

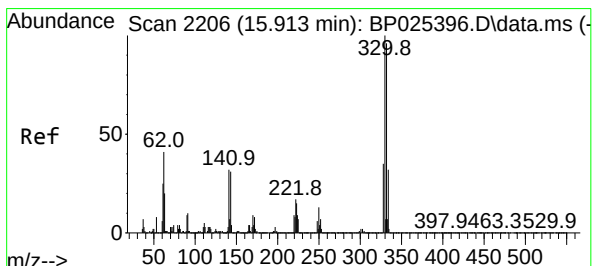
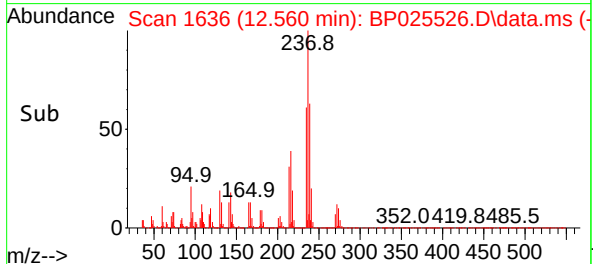
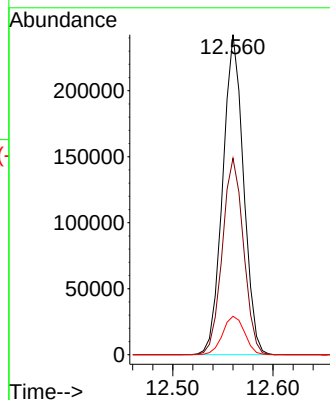
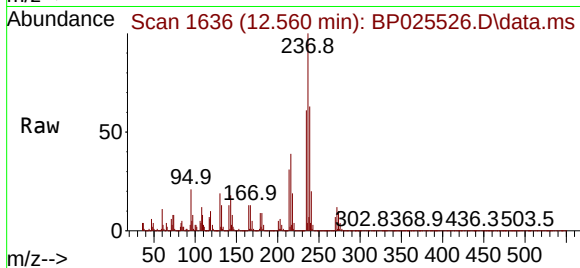




#41
Hexachlorocyclopentadiene
Concen: 41.668 ng
RT: 12.560 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

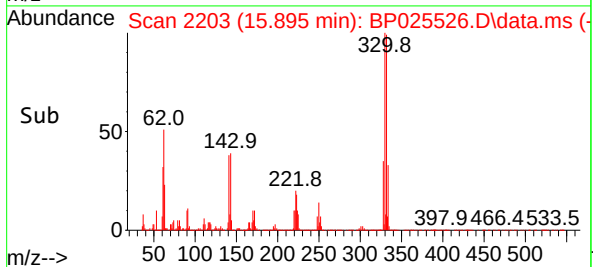
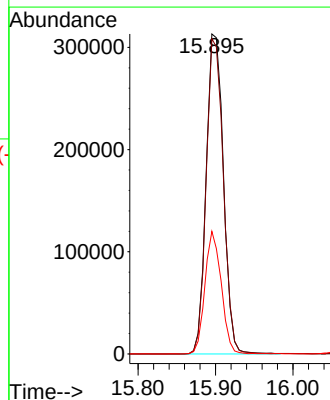
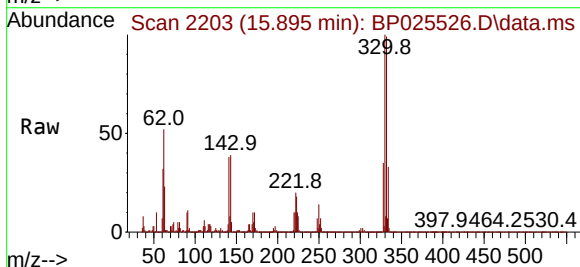
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

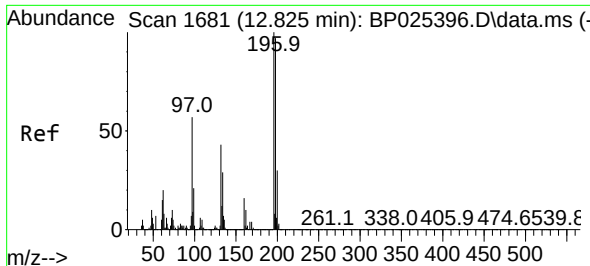
Tgt Ion:237 Resp: 349022
Ion Ratio Lower Upper
237 100
235 61.4 42.7 82.7
272 12.0 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 74.936 ng
RT: 15.895 min Scan# 2203
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:330 Resp: 484295
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 36.4 26.6 39.8

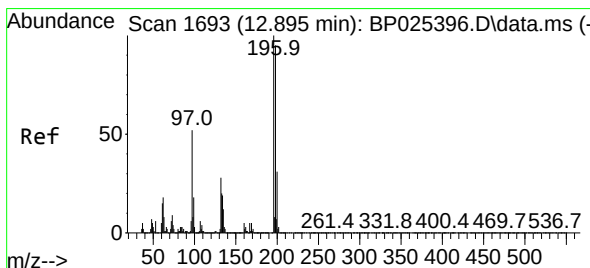
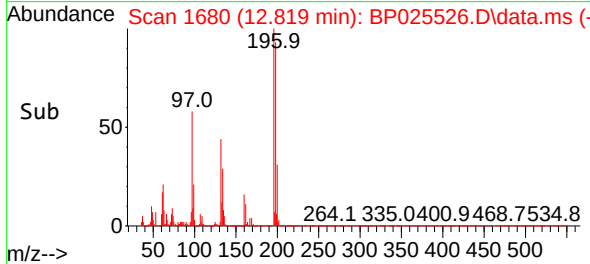
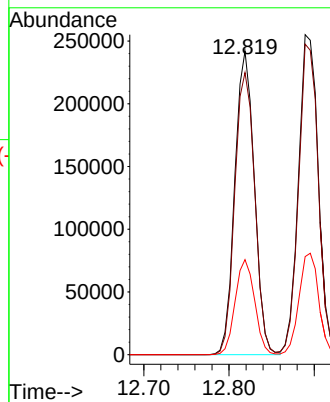
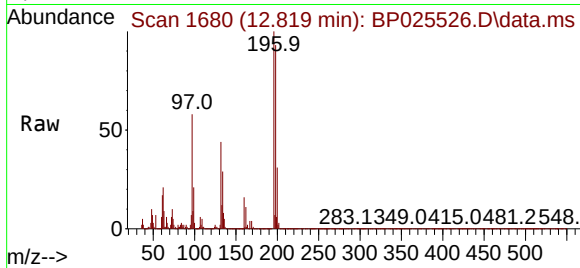




#43
2,4,6-Trichlorophenol
Concen: 41.205 ng
RT: 12.819 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

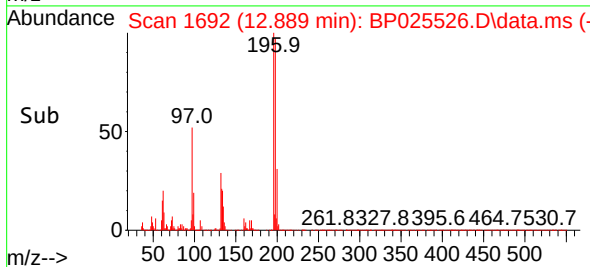
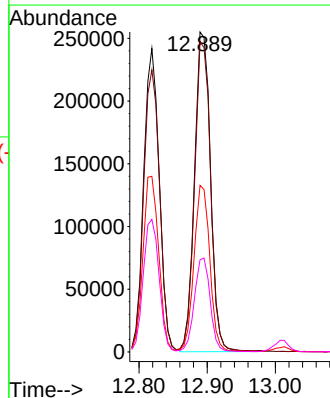
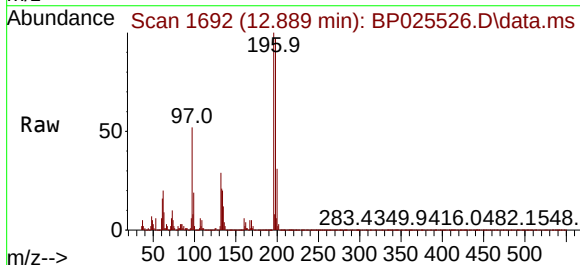
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

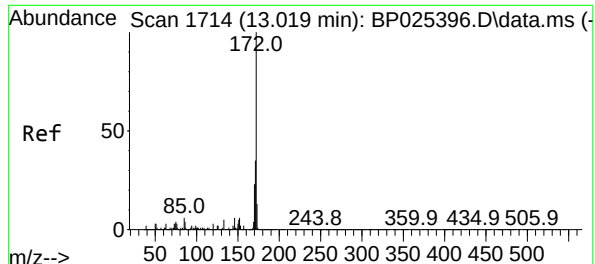
Tgt Ion:196 Resp: 385756
Ion Ratio Lower Upper
196 100
198 92.9 77.2 115.8
200 31.3 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 40.598 ng
RT: 12.889 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:196 Resp: 416547
Ion Ratio Lower Upper
196 100
198 97.0 76.2 114.2
97 52.1 41.2 61.8
132 28.8 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 78.794 ng

RT: 13.007 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

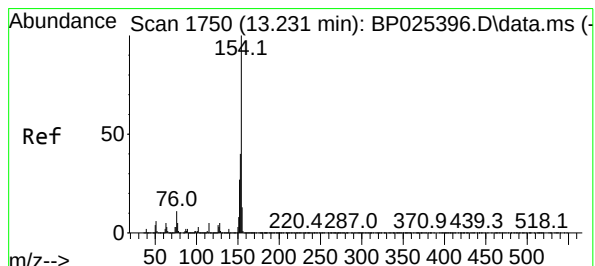
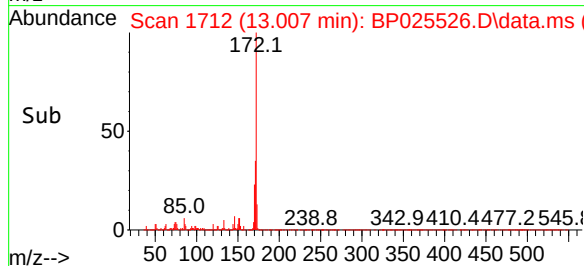
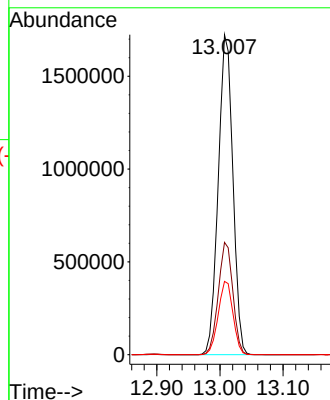
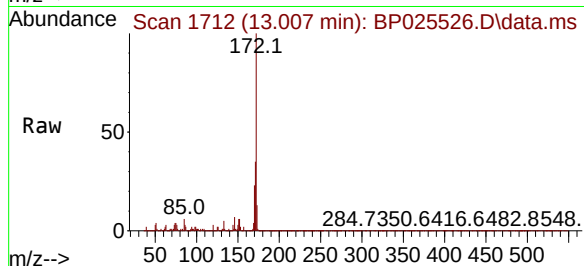
Tgt Ion:172 Resp: 2768196

Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 22.9 18.6 28.0



#46

1,1'-Biphenyl

Concen: 39.995 ng

RT: 13.219 min Scan# 1748

Delta R.T. -0.012 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

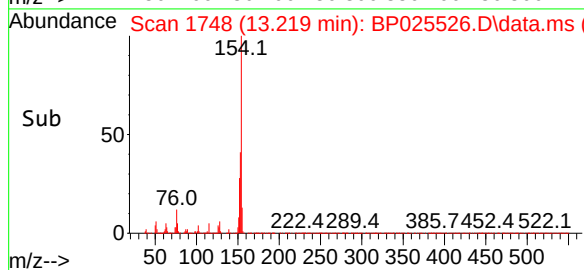
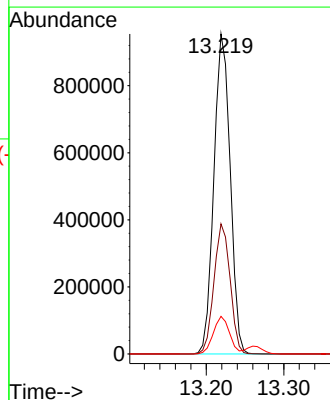
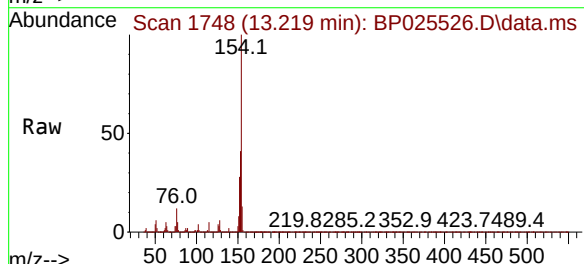
Tgt Ion:154 Resp: 1394649

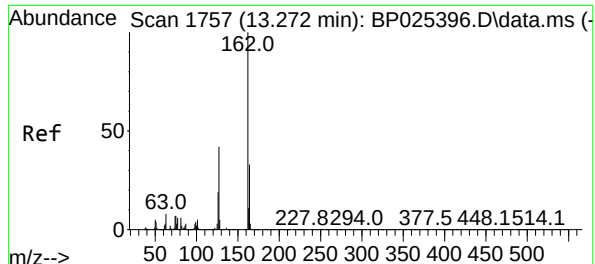
Ion Ratio Lower Upper

154 100

153 40.6 19.5 59.5

76 11.7 0.0 31.1





#47

2-Chloronaphthalene

Concen: 40.186 ng

RT: 13.260 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

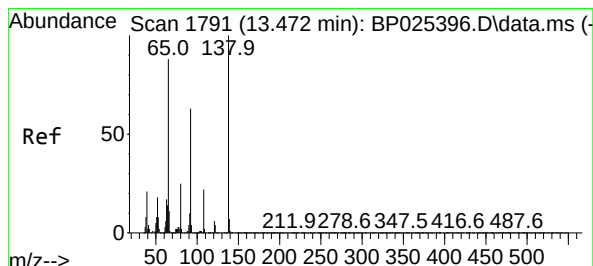
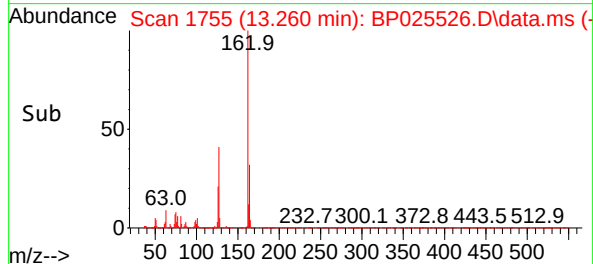
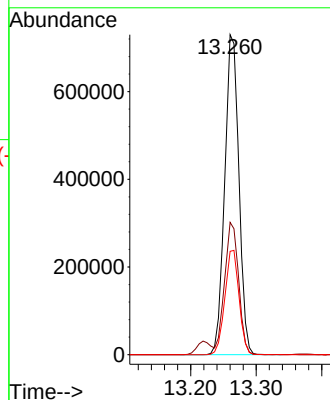
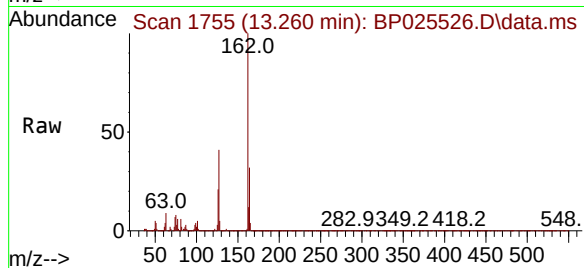
Tgt Ion:162 Resp: 1090908

Ion Ratio Lower Upper

162 100

127 41.3 33.4 50.2

164 32.3 26.2 39.2



#48

2-Nitroaniline

Concen: 42.636 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

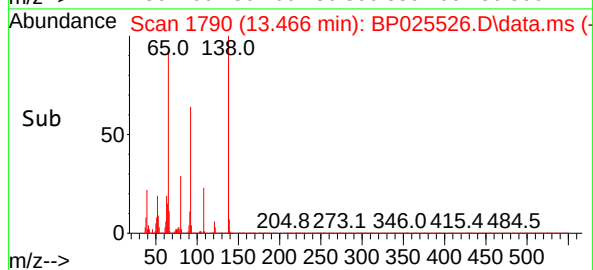
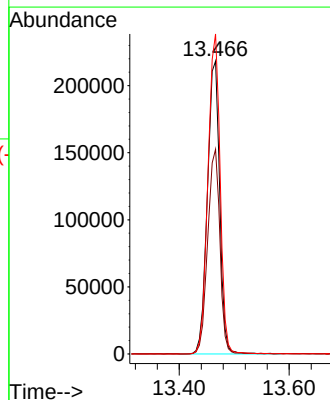
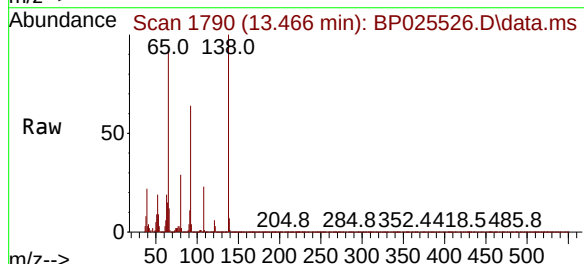
Tgt Ion: 65 Resp: 337247

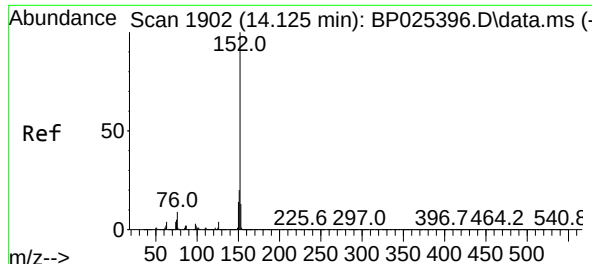
Ion Ratio Lower Upper

65 100

92 69.9 57.6 86.4

138 109.3 91.0 136.6





#49

Acenaphthylene

Concen: 39.644 ng

RT: 14.113 min Scan# 1902

Delta R.T. -0.012 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

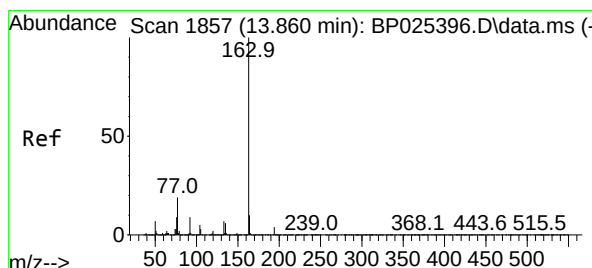
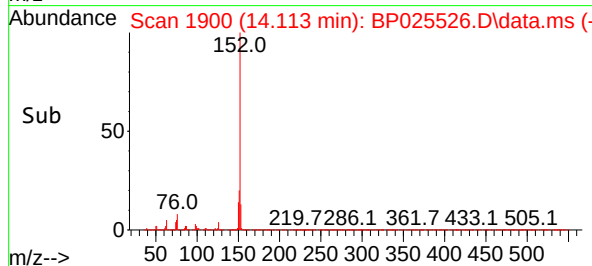
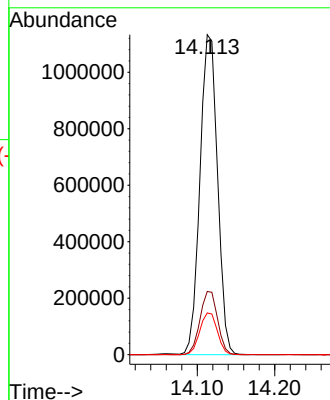
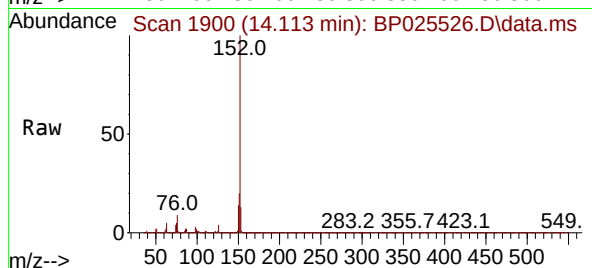
Tgt Ion:152 Resp: 1780779

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

153 13.1 10.6 15.8



#50

Dimethylphthalate

Concen: 38.020 ng

RT: 13.848 min Scan# 1855

Delta R.T. -0.012 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

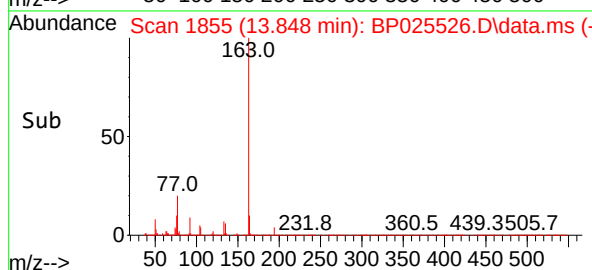
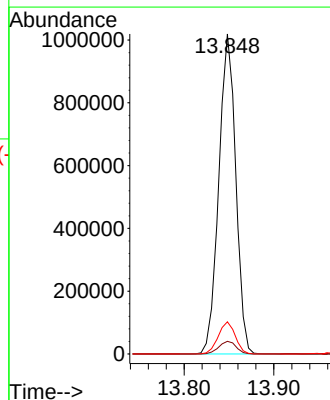
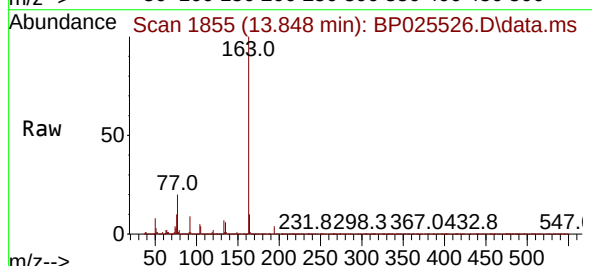
Tgt Ion:163 Resp: 1336804

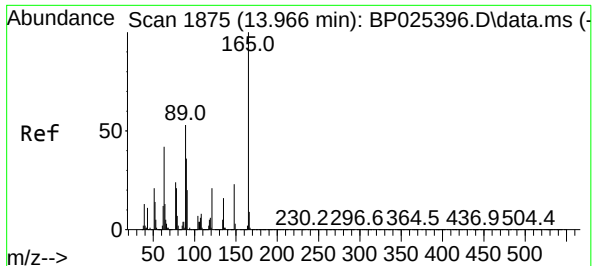
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

164 10.1 7.9 11.9

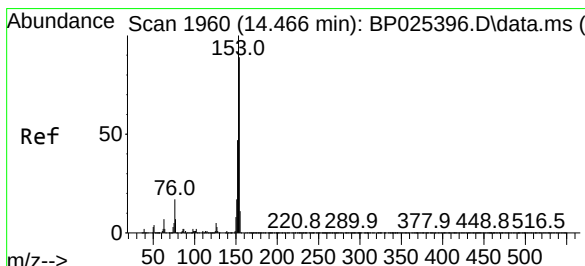
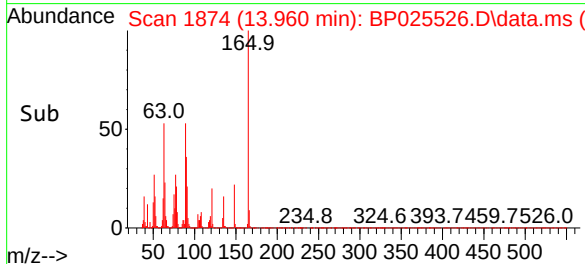
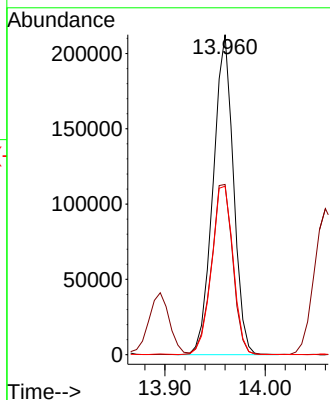
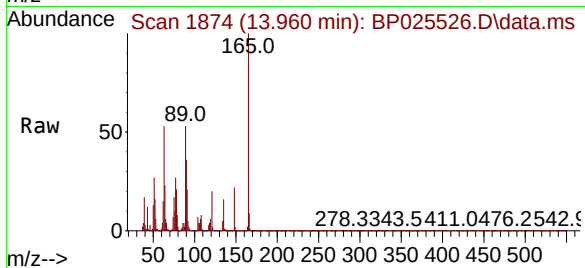




#51
2,6-Dinitrotoluene
Concen: 40.251 ng
RT: 13.960 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

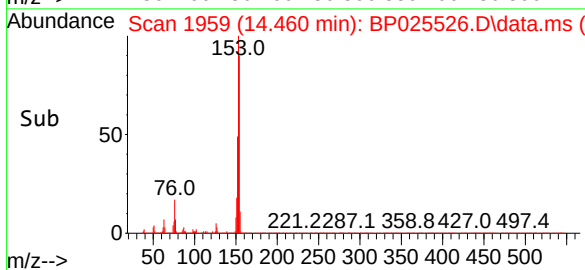
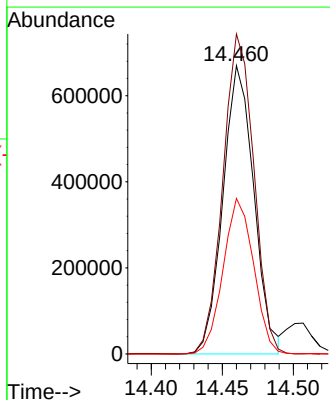
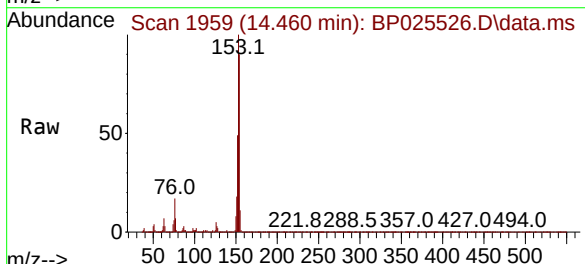
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

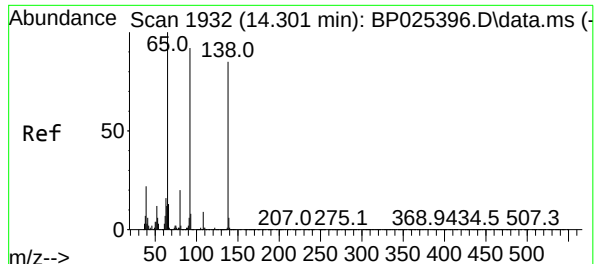
Tgt Ion:165 Resp: 298291
Ion Ratio Lower Upper
165 100
63 53.2 40.9 61.3
89 52.7 42.1 63.1



#52
Acenaphthene
Concen: 38.553 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:154 Resp: 1016517
Ion Ratio Lower Upper
154 100
153 111.0 90.2 135.2
152 54.0 42.1 63.1

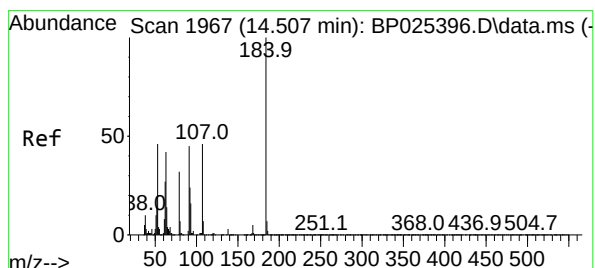
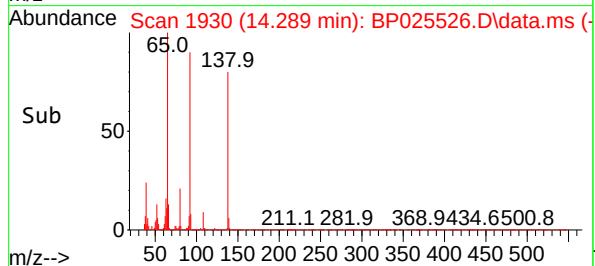
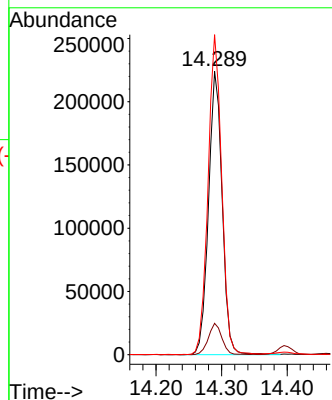
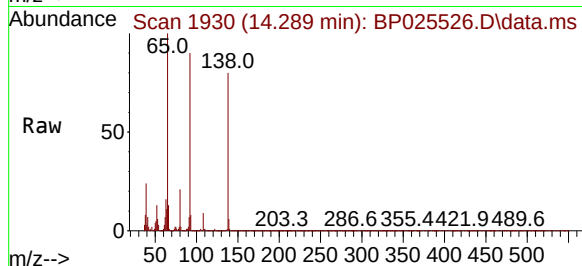




#53
3-Nitroaniline
Concen: 38.977 ng
RT: 14.289 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

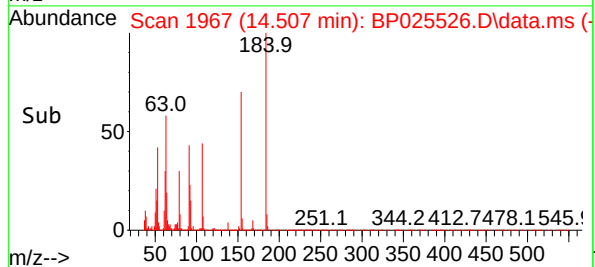
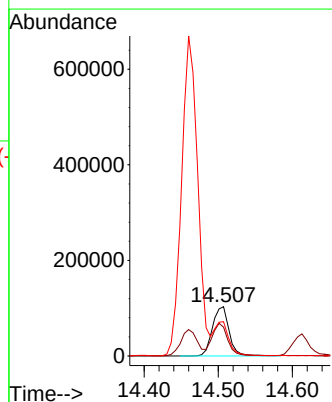
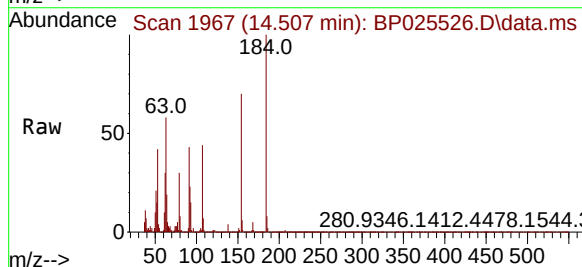
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

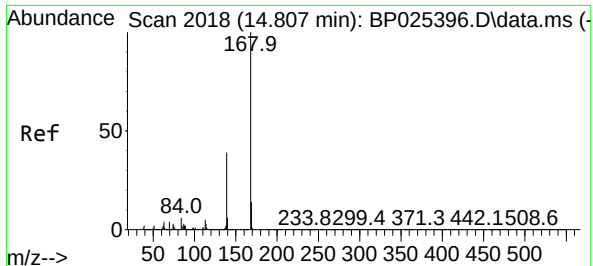
Tgt Ion:138 Resp: 324980
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 112.9 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 40.644 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:184 Resp: 160853
Ion Ratio Lower Upper
184 100
63 58.4 49.4 74.2
154 69.5 54.6 82.0

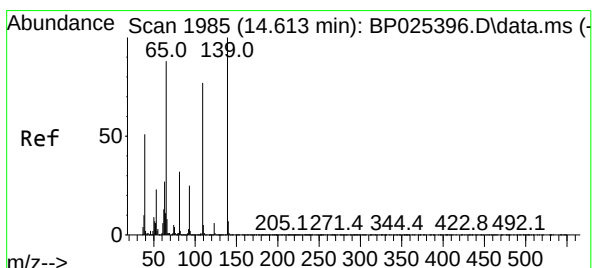
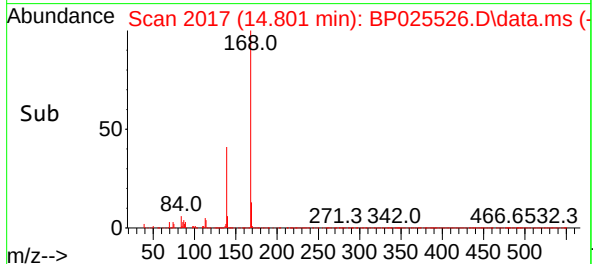
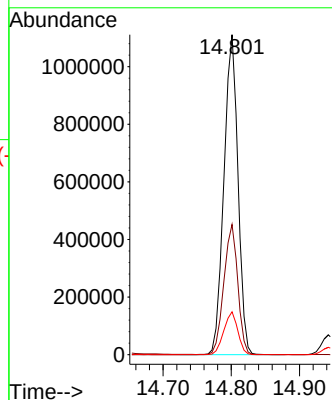
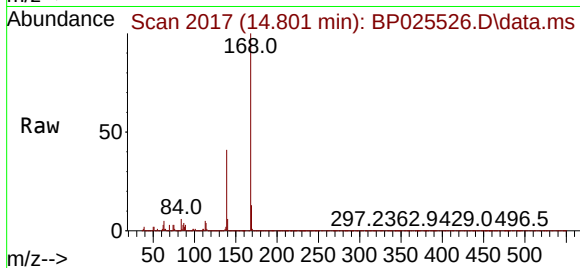




#55
Dibenzenofuran
Concen: 38.235 ng
RT: 14.801 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

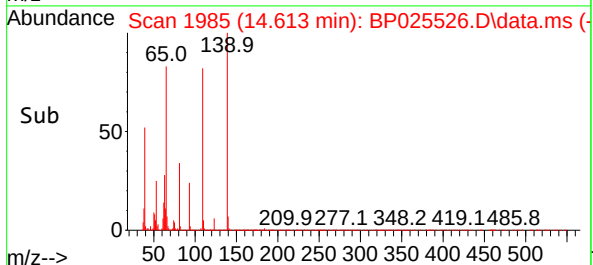
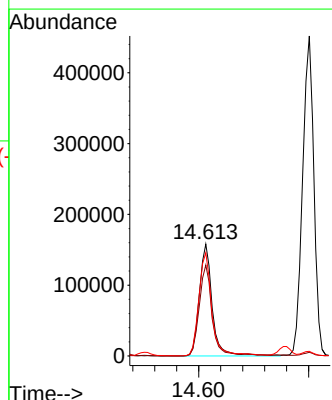
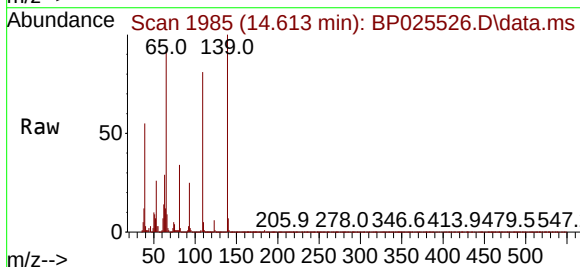
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

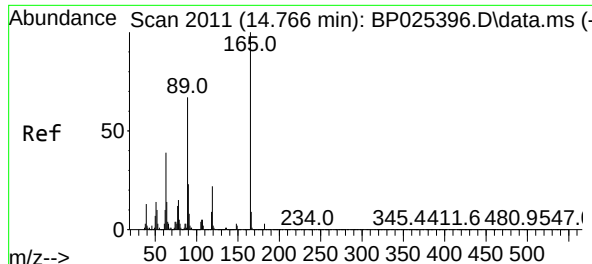
Tgt Ion:168 Resp: 1593872
Ion Ratio Lower Upper
168 100
139 40.7 31.5 47.3
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 37.635 ng
RT: 14.613 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:139 Resp: 257855
Ion Ratio Lower Upper
139 100
109 81.2 56.6 96.6
65 92.3 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 38.698 ng

RT: 14.760 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

Tgt Ion:165 Resp: 409171

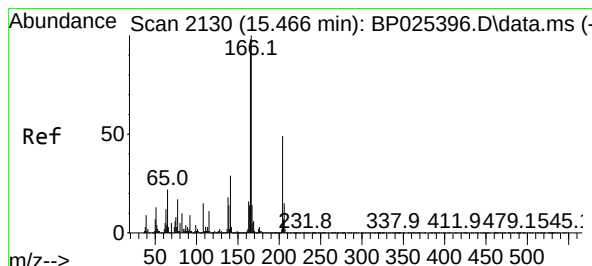
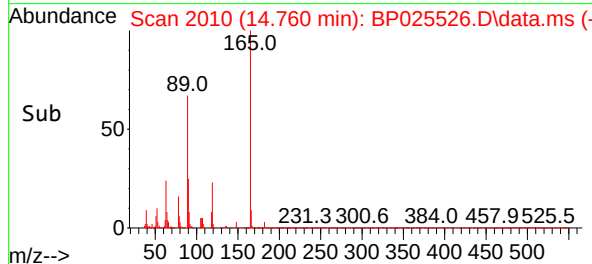
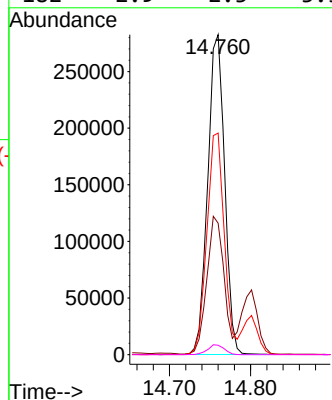
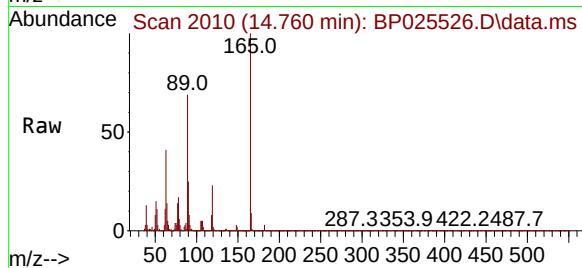
Ion Ratio Lower Upper

165 100

63 41.1 31.4 47.2

89 69.3 53.3 79.9

182 2.9 2.3 3.5



#58

Fluorene

Concen: 36.973 ng

RT: 15.460 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

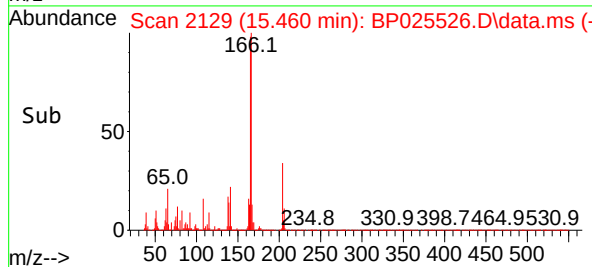
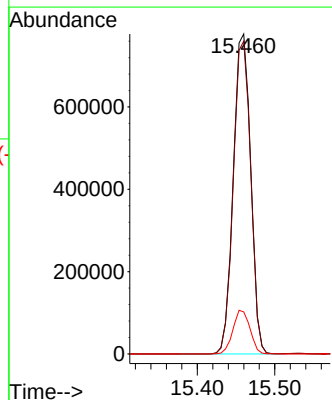
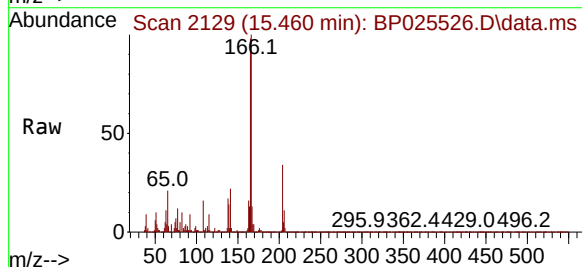
Tgt Ion:166 Resp: 1216177

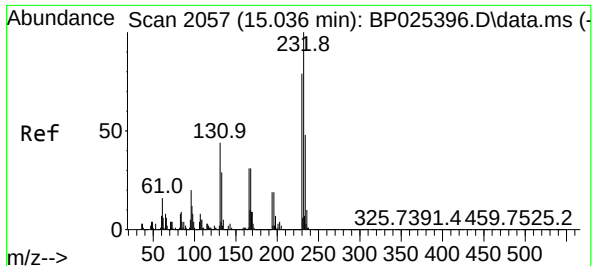
Ion Ratio Lower Upper

166 100

165 97.7 78.8 118.2

167 13.1 11.0 16.4

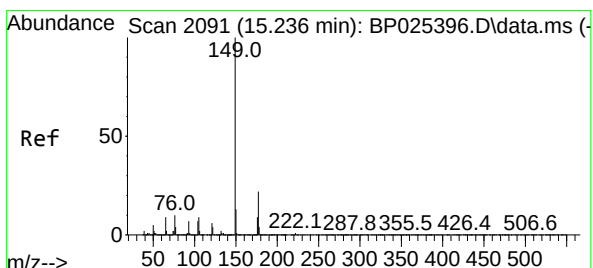
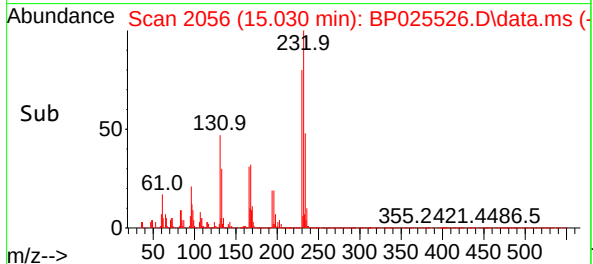
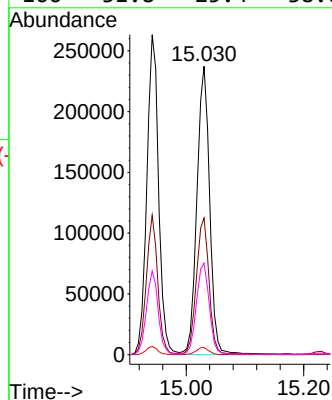
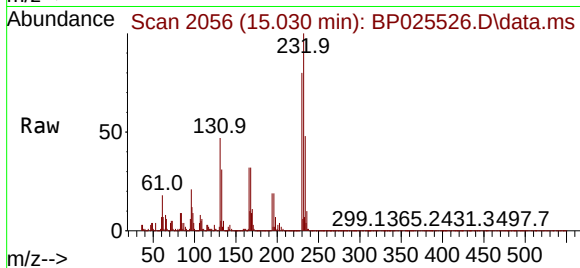




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.239 ng
RT: 15.030 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

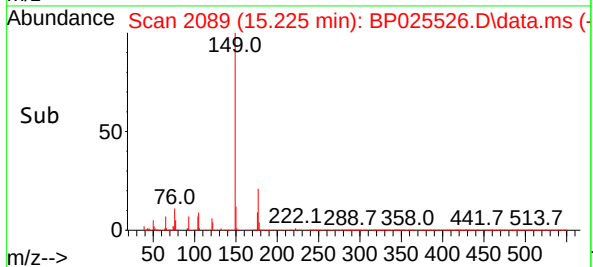
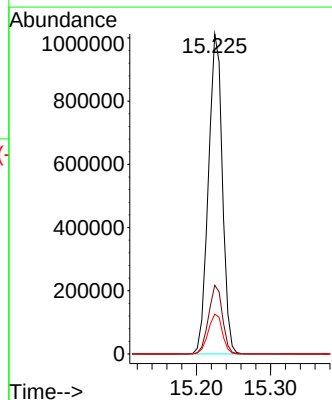
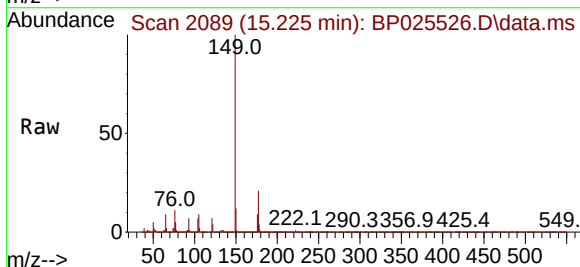
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

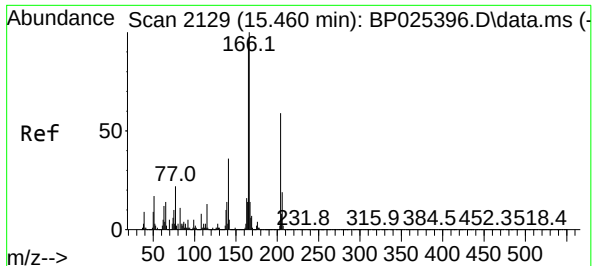
Tgt Ion:232 Resp: 355491
Ion Ratio Lower Upper
232 100
131 47.5 37.0 55.6
130 2.4 1.9 2.9
166 31.8 25.4 38.0



#60
Diethylphthalate
Concen: 37.056 ng
RT: 15.225 min Scan# 2089
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:149 Resp: 1323887
Ion Ratio Lower Upper
149 100
177 21.5 17.3 25.9
150 12.5 10.3 15.5

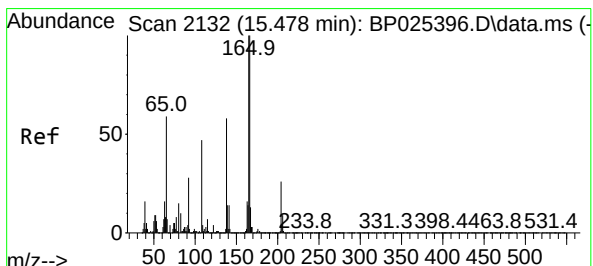
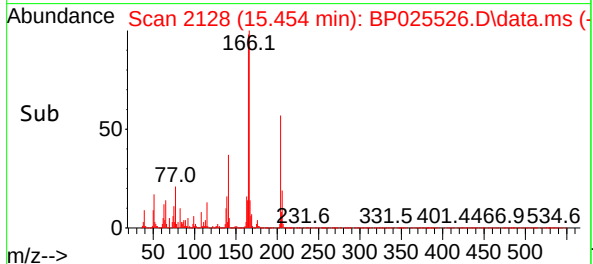
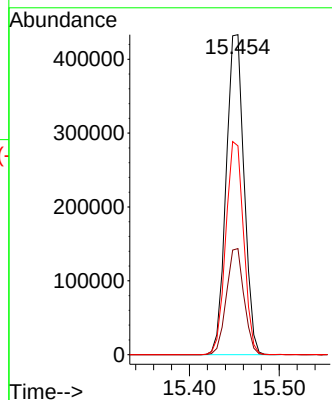
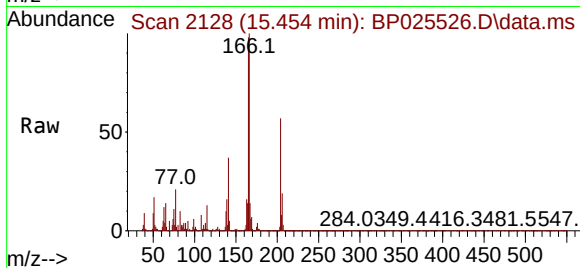




#61
4-Chlorophenyl-phenylether
Concen: 36.730 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

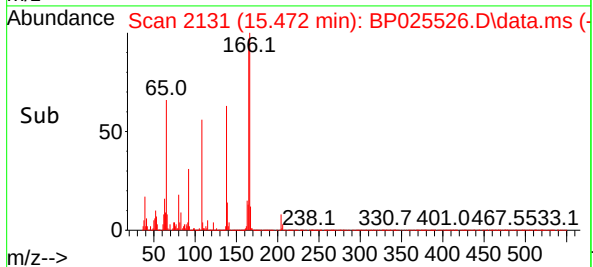
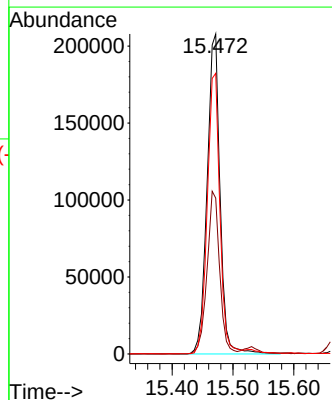
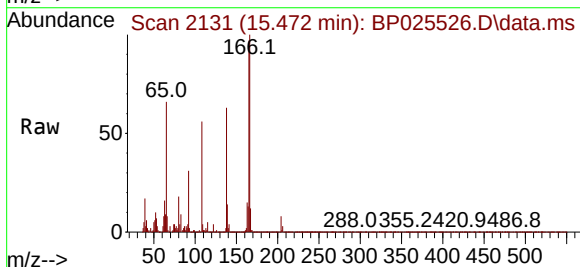
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

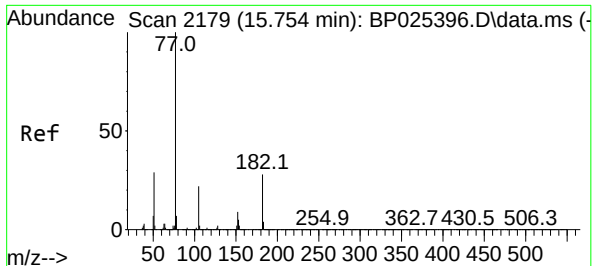
Tgt Ion:204 Resp: 600871
Ion Ratio Lower Upper
204 100
206 33.2 25.8 38.8
141 65.2 49.4 74.2



#62
4-Nitroaniline
Concen: 35.928 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:138 Resp: 307105
Ion Ratio Lower Upper
138 100
92 48.7 29.1 69.1
108 87.7 61.5 101.5



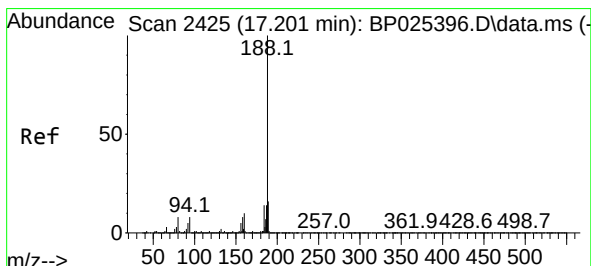
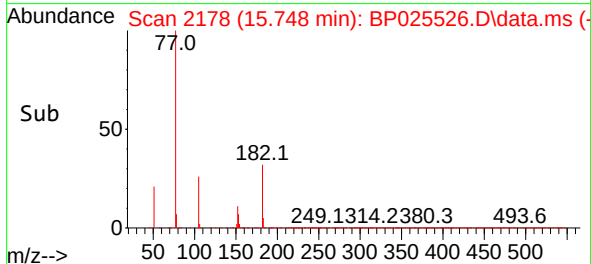
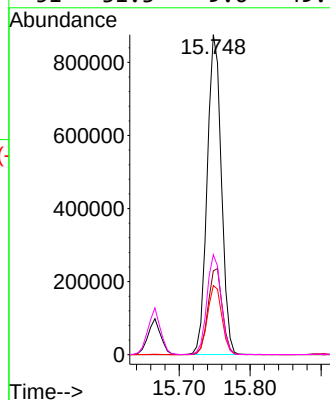
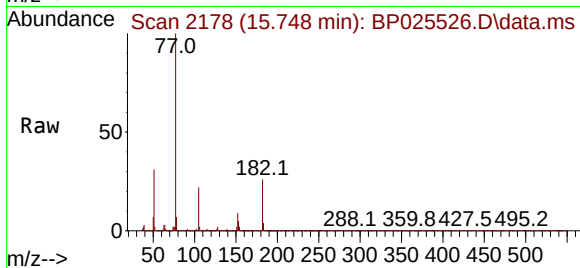


#63
Azobenzene
Concen: 39.764 ng
RT: 15.748 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1216437

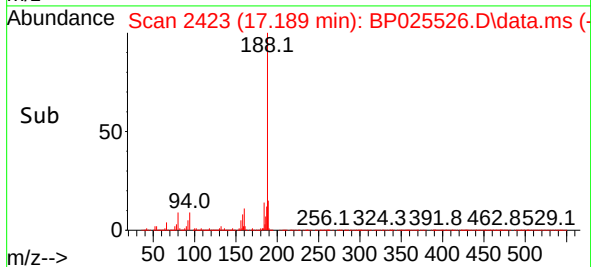
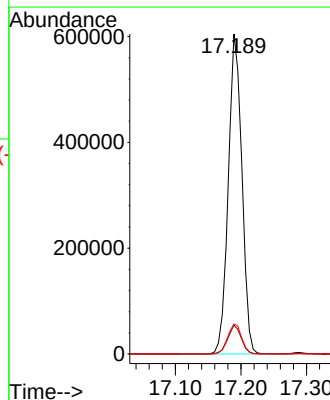
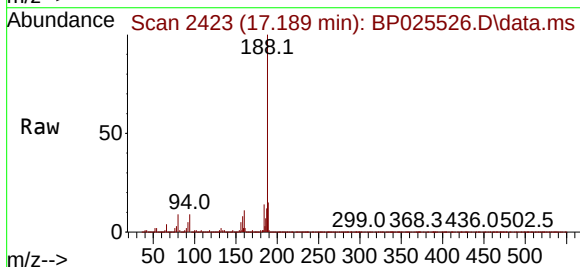
Ion	Ratio	Lower	Upper
77	100		
182	26.2	7.5	47.5
105	21.6	2.1	42.1
51	31.3	9.6	49.6

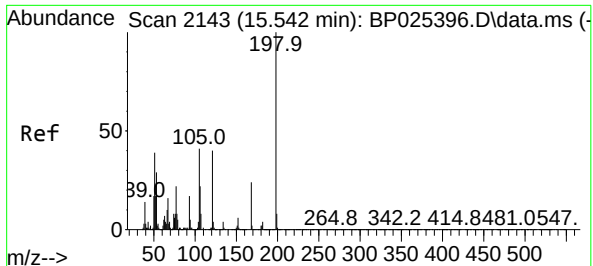


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 188 Resp: 869173

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.4	6.7	10.1

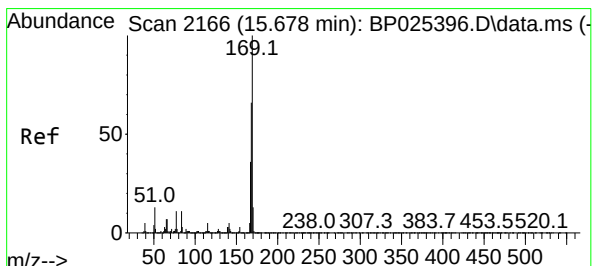
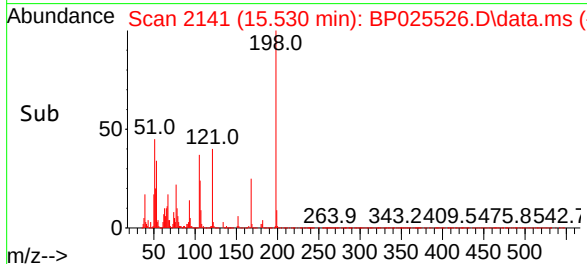
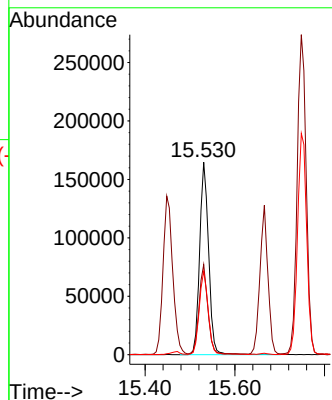
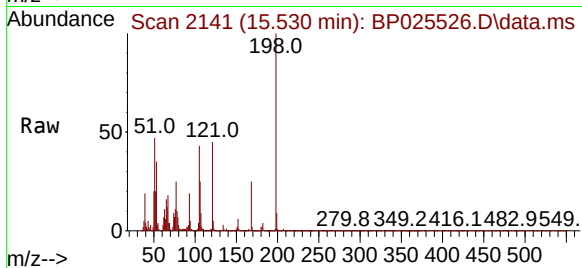




#65
4,6-Dinitro-2-methylphenol
Concen: 42.016 ng
RT: 15.530 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

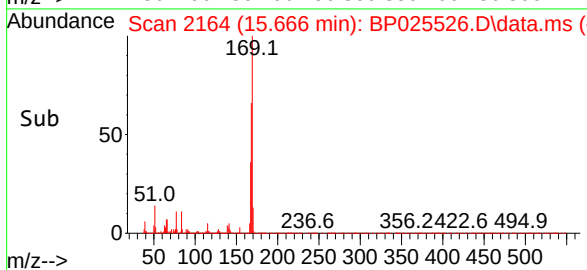
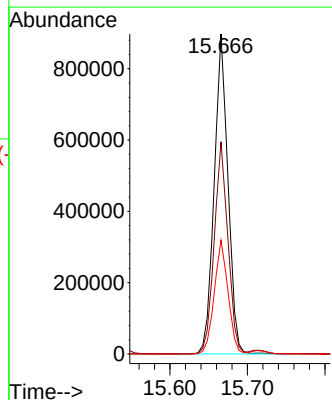
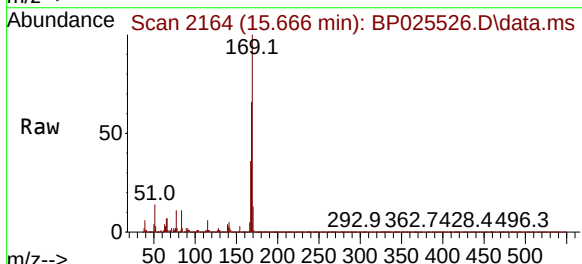
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

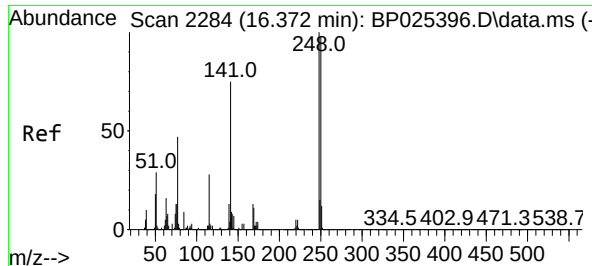
Tgt Ion:198 Resp: 227645
Ion Ratio Lower Upper
198 100
51 46.8 19.6 59.6
105 43.4 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 41.848 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:169 Resp: 1109160
Ion Ratio Lower Upper
169 100
168 66.3 53.2 79.8
167 35.6 28.7 43.1

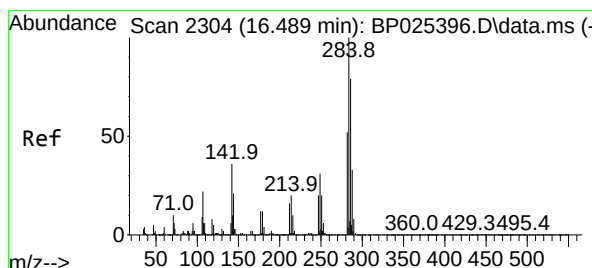
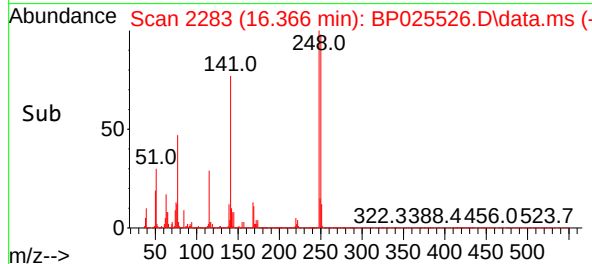
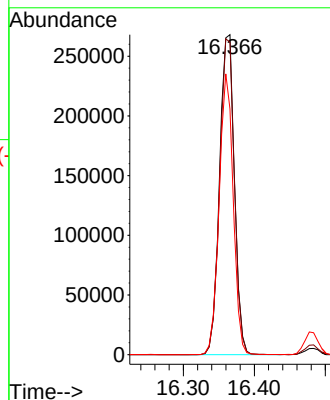
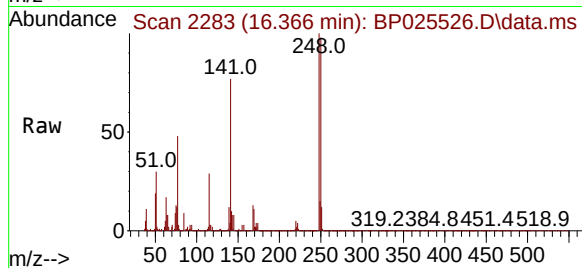




#67
4-Bromophenyl-phenylether
Concen: 40.652 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

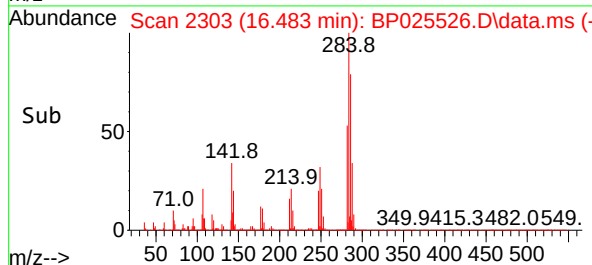
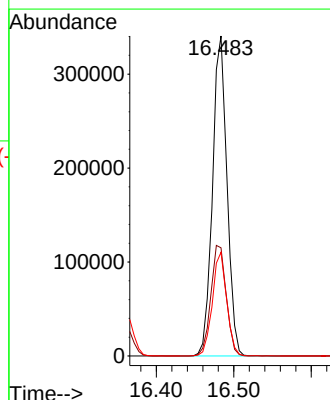
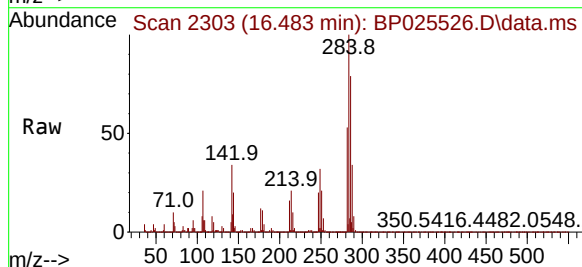
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

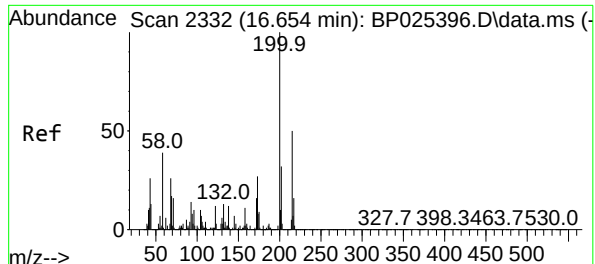
Tgt Ion:248 Resp: 388602
Ion Ratio Lower Upper
248 100
250 97.6 78.2 117.2
141 76.8 59.6 89.4



#68
Hexachlorobenzene
Concen: 39.912 ng
RT: 16.483 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:284 Resp: 442271
Ion Ratio Lower Upper
284 100
142 33.8 29.1 43.7
249 32.4 25.0 37.4





#69

Atrazine

Concen: 39.190 ng

RT: 16.642 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

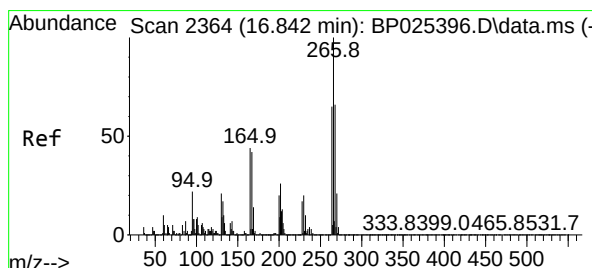
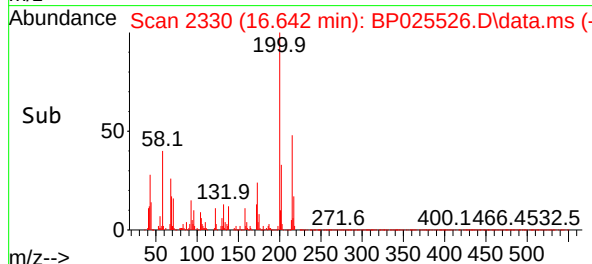
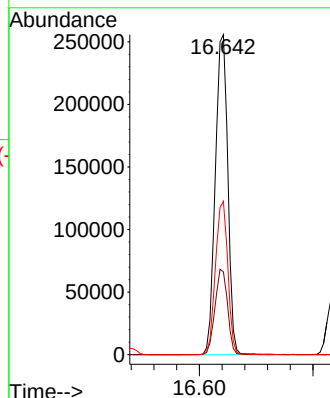
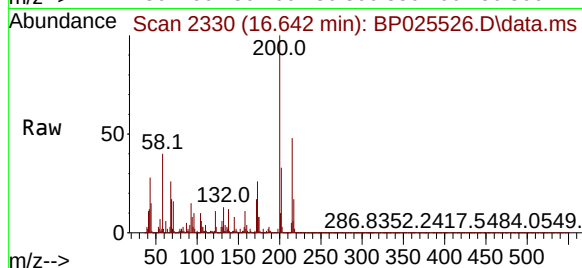
Tgt Ion:200 Resp: 388998

Ion Ratio Lower Upper

200 100

173 25.9 6.7 46.7

215 48.0 29.7 69.7



#70

Pentachlorophenol

Concen: 41.242 ng

RT: 16.836 min Scan# 2363

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

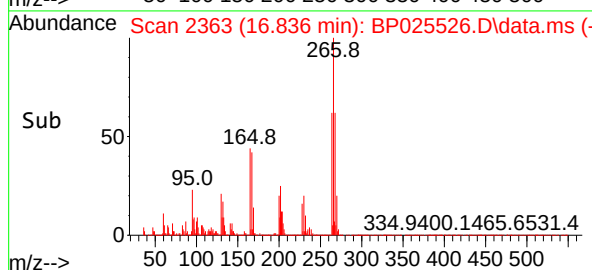
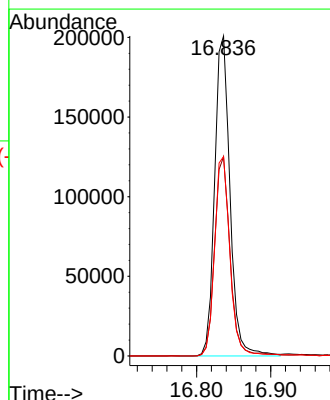
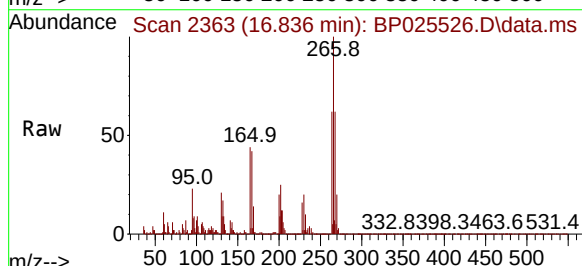
Tgt Ion:266 Resp: 288486

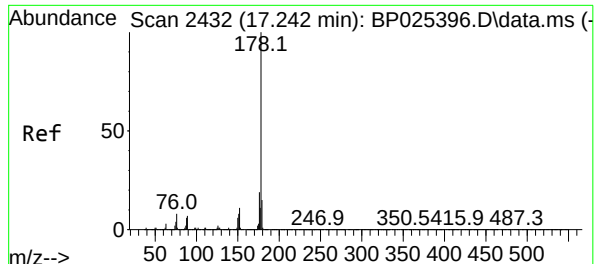
Ion Ratio Lower Upper

266 100

268 62.2 52.6 79.0

264 62.3 52.0 78.0

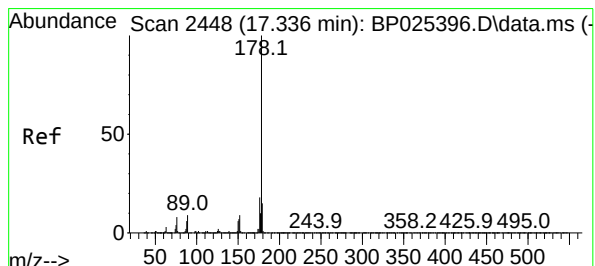
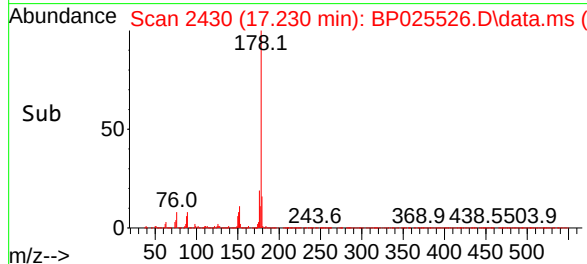
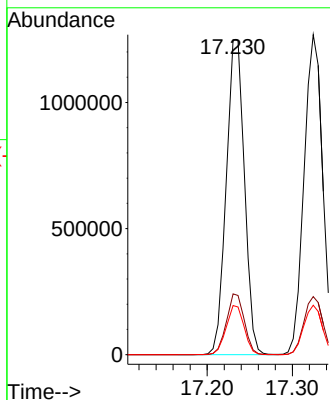
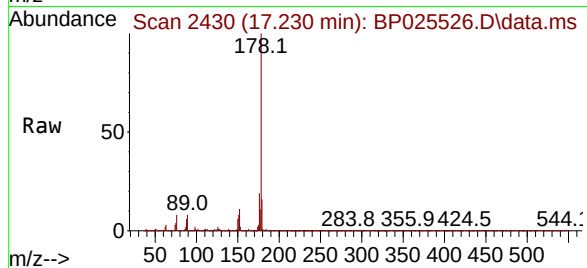




#71
Phenanthrene
Concen: 38.791 ng
RT: 17.230 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

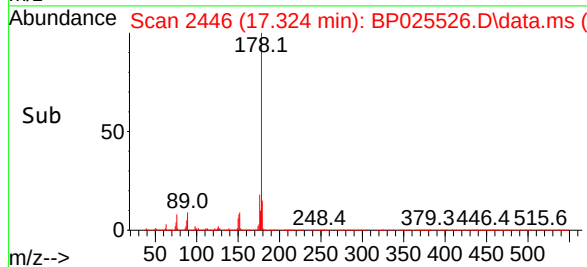
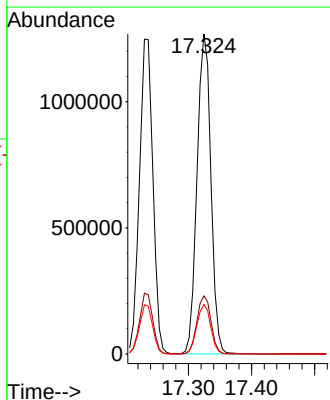
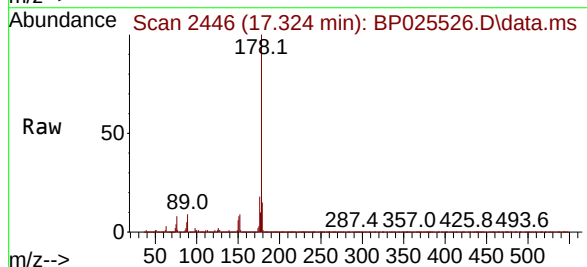
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

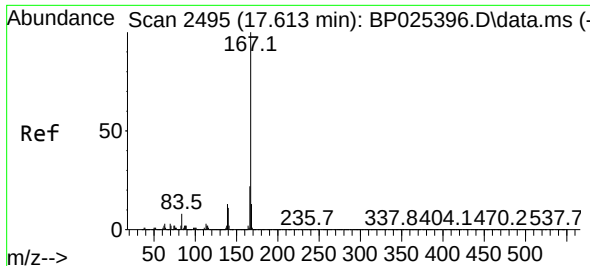
Tgt Ion:178 Resp: 1852149
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.6 12.2 18.4



#72
Anthracene
Concen: 39.524 ng
RT: 17.324 min Scan# 2446
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:178 Resp: 1927125
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 15.4 12.2 18.2

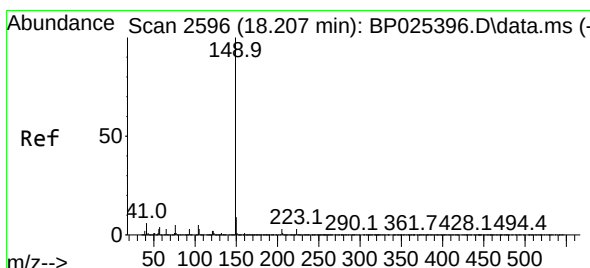
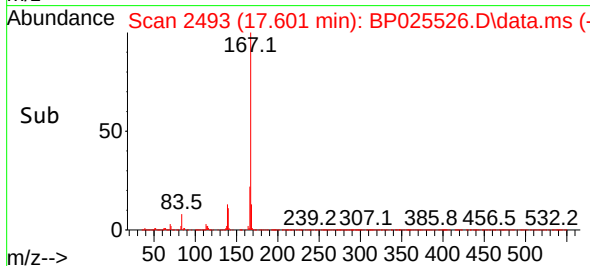
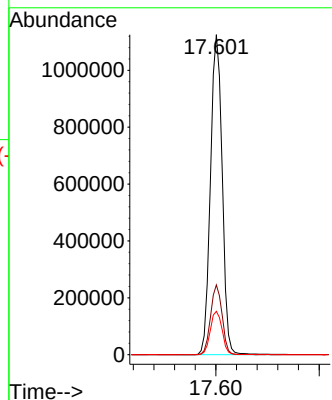
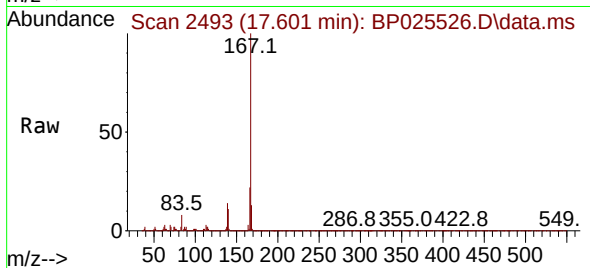




#73
Carbazole
Concen: 38.481 ng
RT: 17.601 min Scan# 2495
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

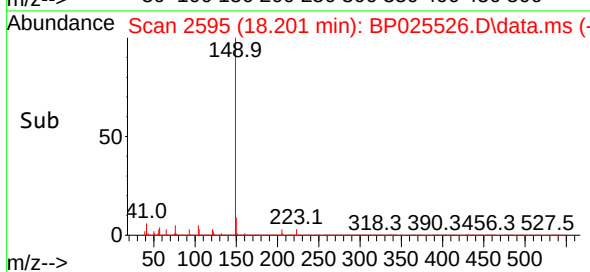
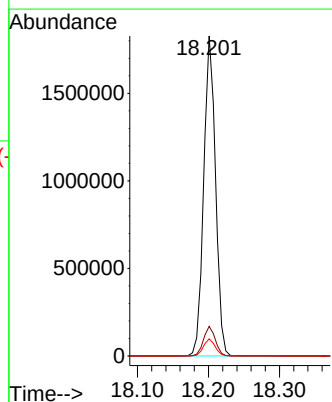
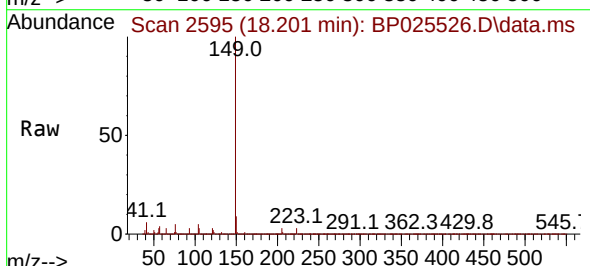
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

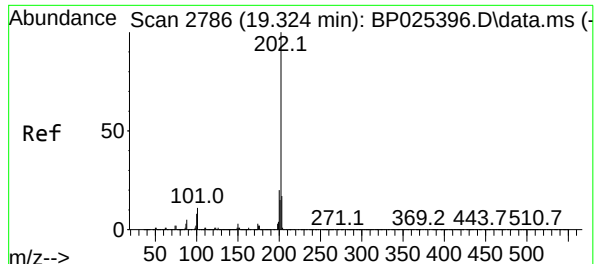
Tgt Ion:167 Resp: 1767299
Ion Ratio Lower Upper
167 100
166 21.8 17.5 26.3
139 13.5 10.6 16.0



#74
Di-n-butylphthalate
Concen: 37.487 ng
RT: 18.201 min Scan# 2595
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:149 Resp: 2118222
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.4 4.2 6.2

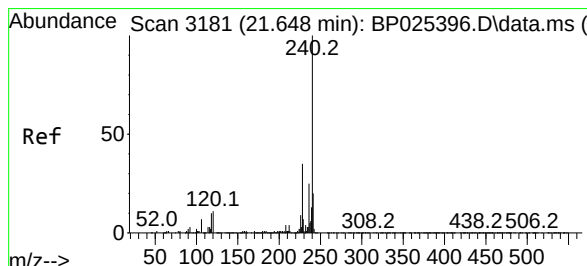
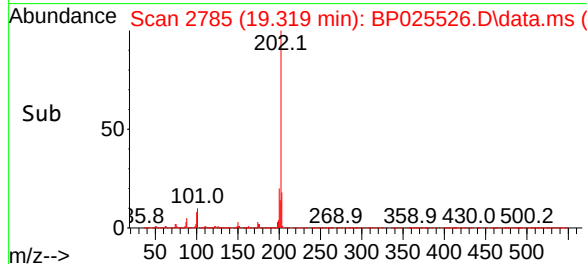
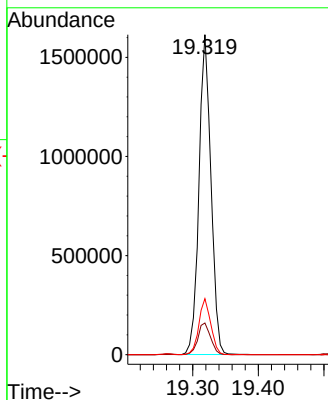
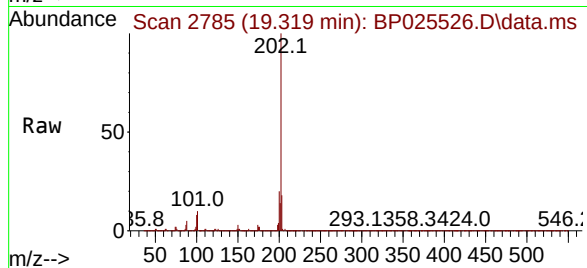




#75
Fluoranthene
Concen: 36.116 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

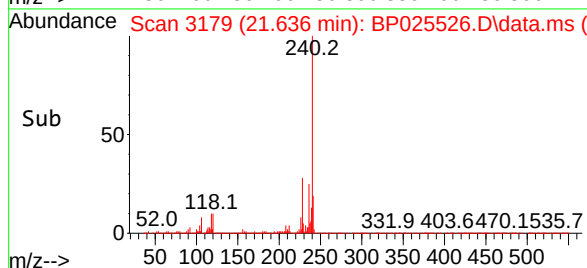
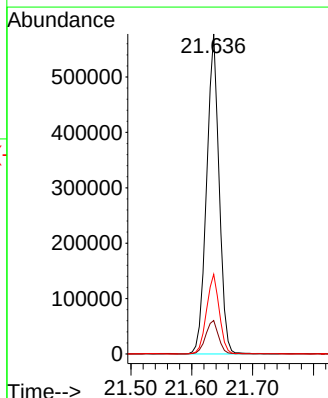
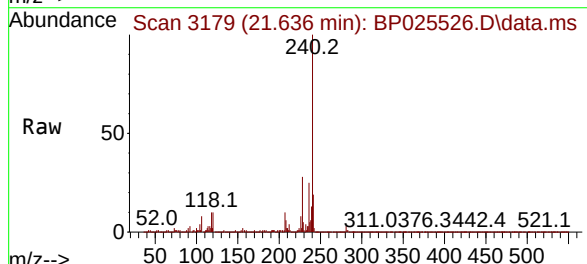
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

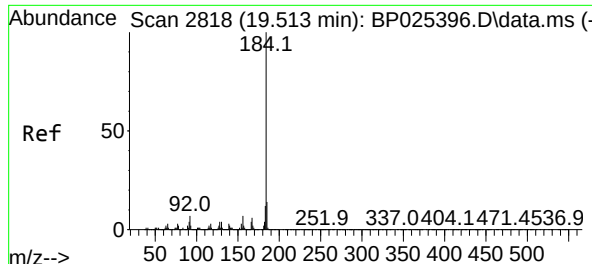
Tgt Ion:202 Resp: 2056945
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:240 Resp: 823541
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 24.9 19.8 29.8

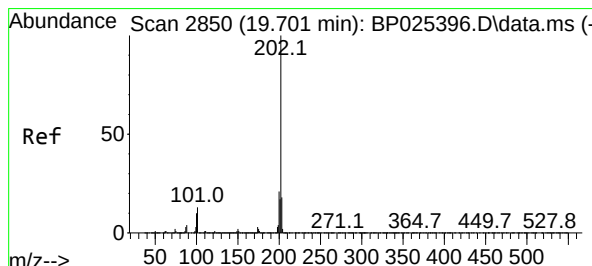
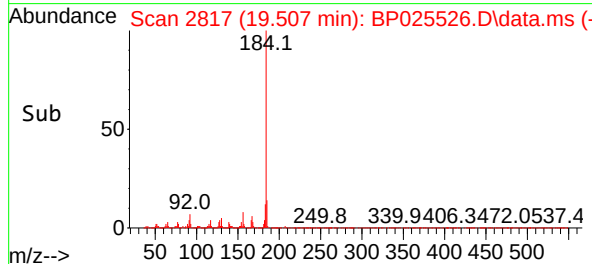
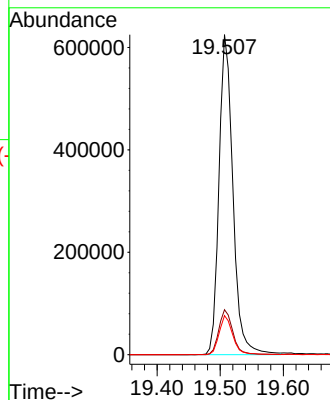
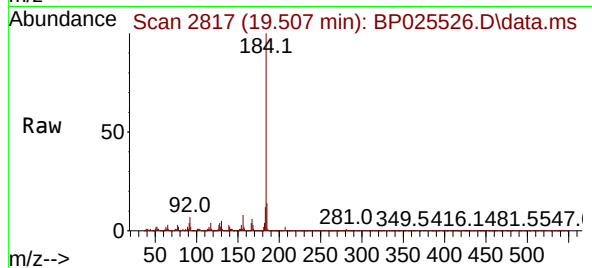




#77
Benzidine
Concen: 34.006 ng
RT: 19.507 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

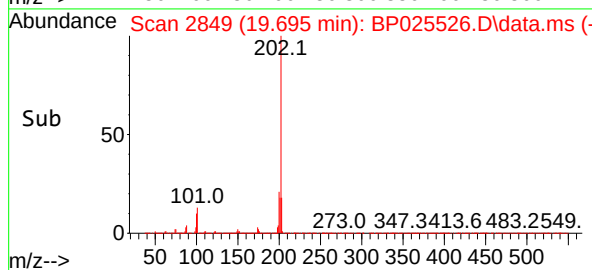
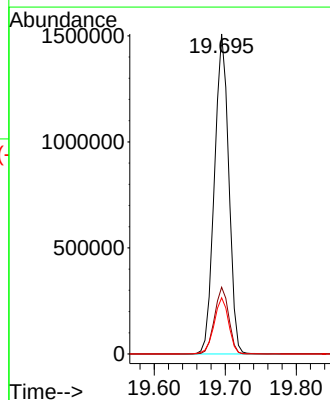
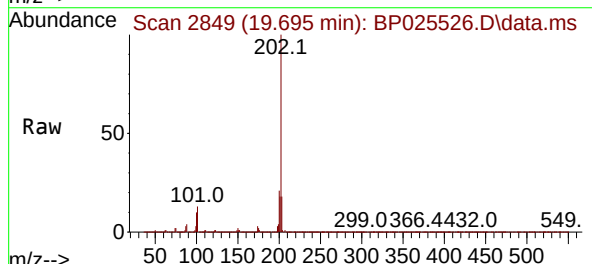
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

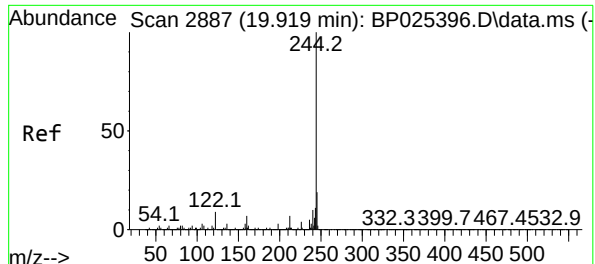
Tgt Ion:184 Resp: 955775
Ion Ratio Lower Upper
184 100
185 14.1 11.5 17.3
183 12.2 9.4 14.2



#78
Pyrene
Concen: 39.495 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:202 Resp: 2114083
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 77.871 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

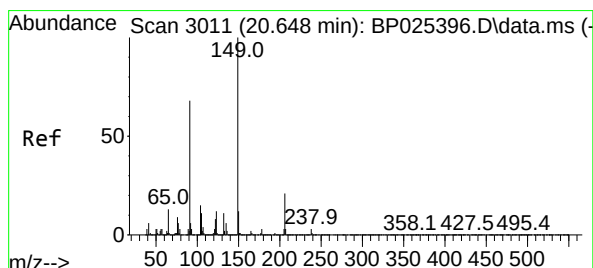
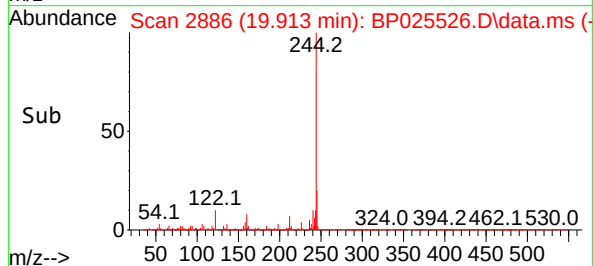
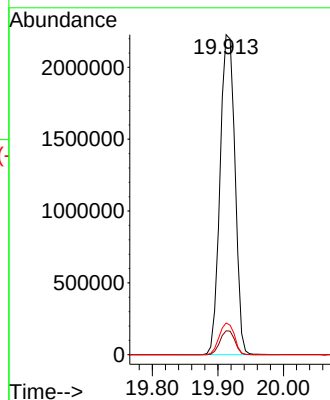
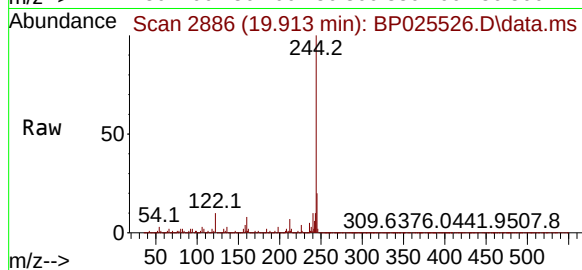
Tgt Ion:244 Resp: 3505178

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 9.9 7.4 11.2



#80

Butylbenzylphthalate

Concen: 38.610 ng

RT: 20.648 min Scan# 3011

Delta R.T. -0.000 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

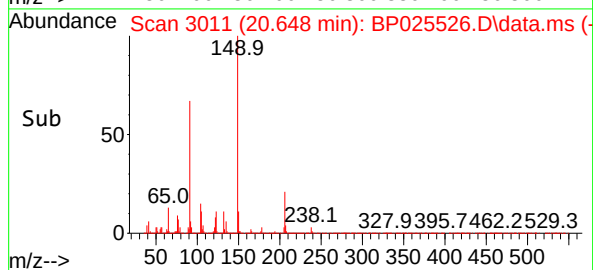
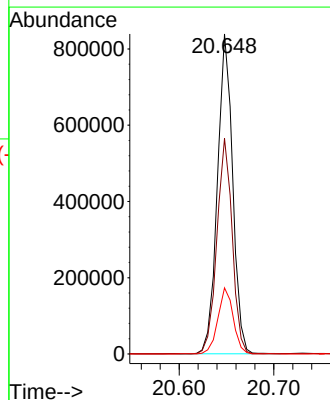
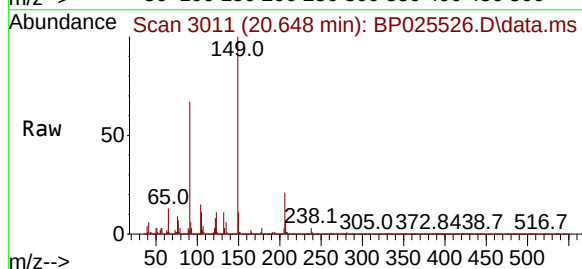
Tgt Ion:149 Resp: 936663

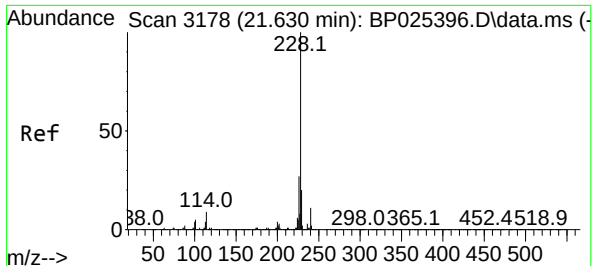
Ion Ratio Lower Upper

149 100

91 67.3 54.2 81.2

206 20.7 16.6 24.8

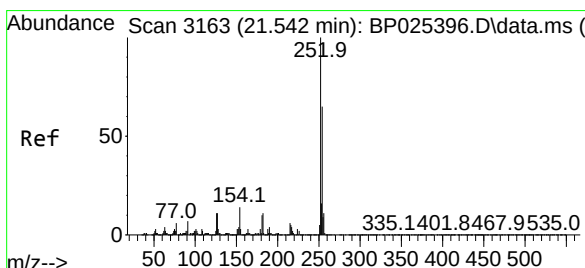
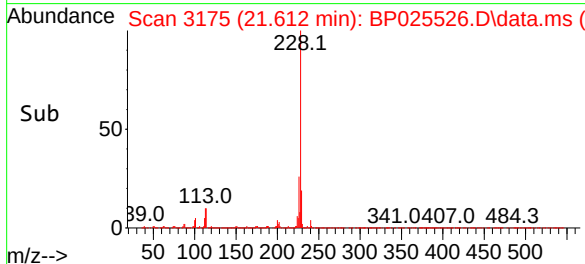
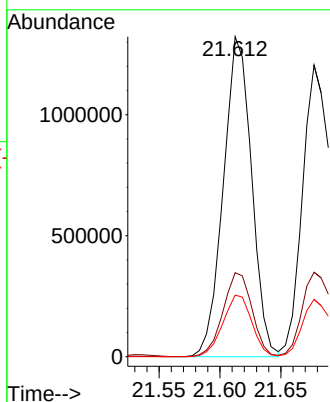
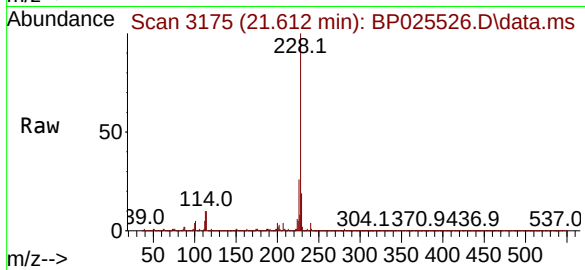




#81
Benzo(a)anthracene
Concen: 39.296 ng
RT: 21.612 min Scan# 3175
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

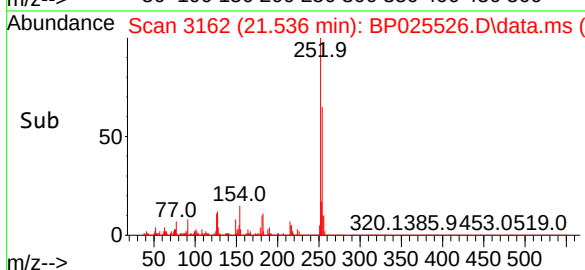
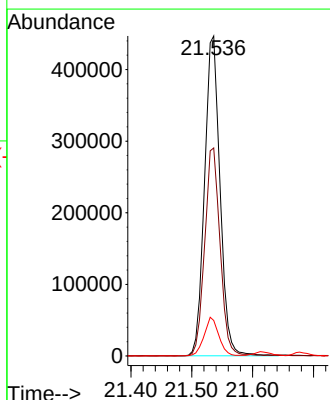
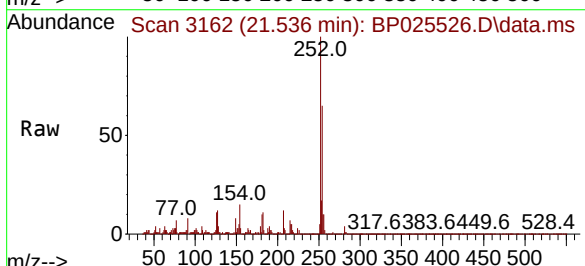
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

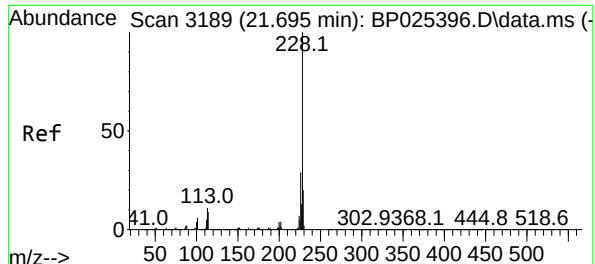
Tgt Ion:228 Resp: 2134261
Ion Ratio Lower Upper
228 100
226 26.3 21.7 32.5
229 19.3 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 38.576 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:252 Resp: 789715
Ion Ratio Lower Upper
252 100
254 65.0 51.8 77.6
126 11.1 9.1 13.7





#83

Chrysene

Concen: 39.179 ng

RT: 21.677 min Scan# 3186

Delta R.T. -0.018 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

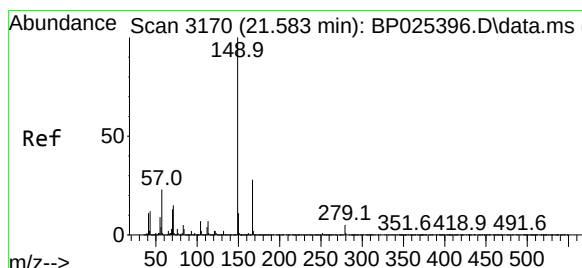
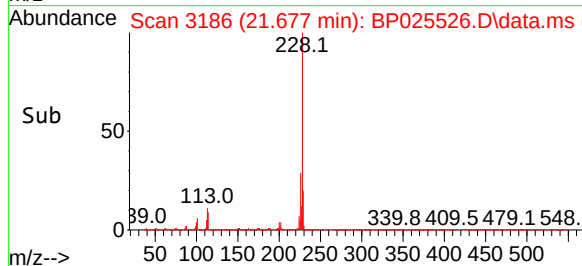
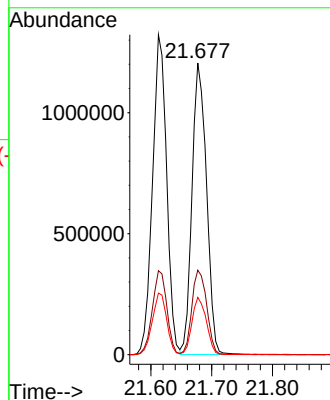
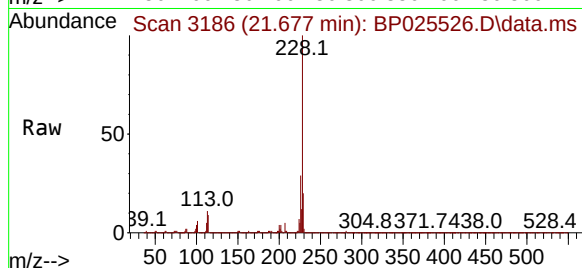
Tgt Ion:228 Resp: 1992794

Ion Ratio Lower Upper

228 100

226 29.0 23.2 34.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.334 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.024 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

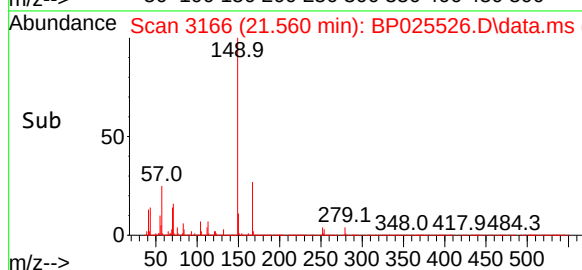
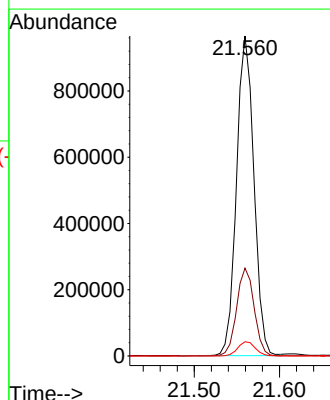
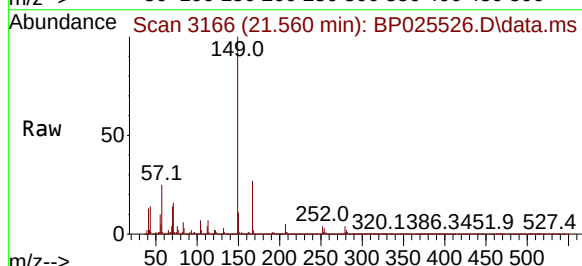
Tgt Ion:149 Resp: 1368948

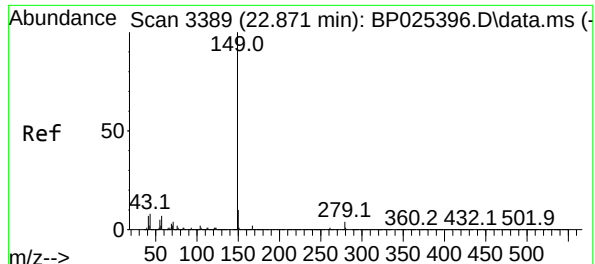
Ion Ratio Lower Upper

149 100

167 27.4 22.1 33.1

279 4.5 3.8 5.6

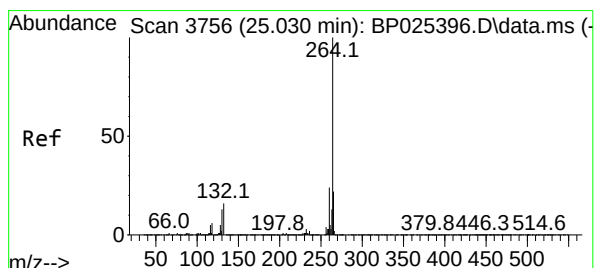
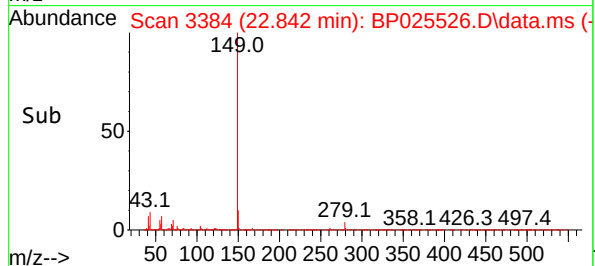
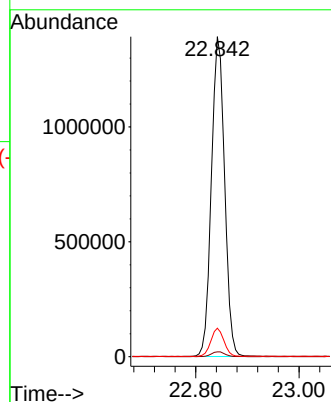
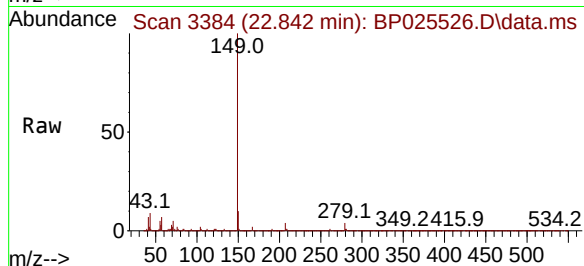




#85
Di-n-octyl phthalate
Concen: 40.160 ng
RT: 22.842 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

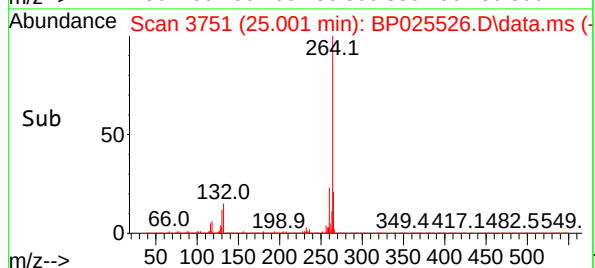
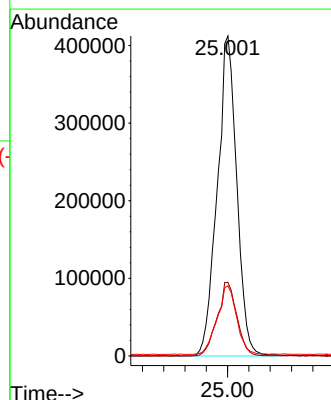
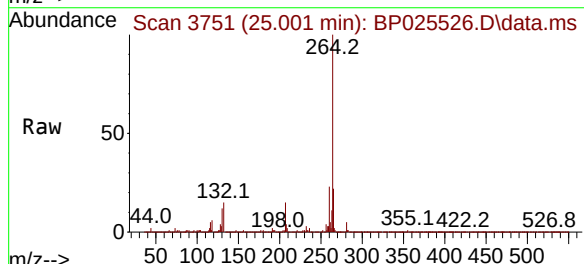
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

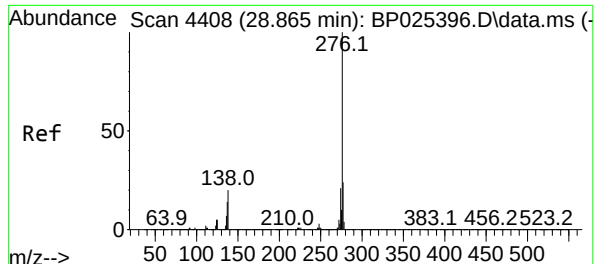
Tgt Ion:149 Resp: 2466831
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.7 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:264 Resp: 1048104
Ion Ratio Lower Upper
264 100
260 23.0 19.3 28.9
265 21.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.446 ng

RT: 28.847 min Scan# 4408

Delta R.T. -0.018 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

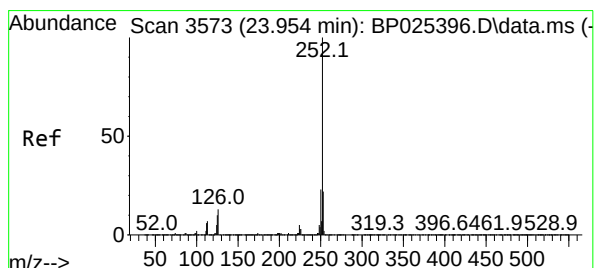
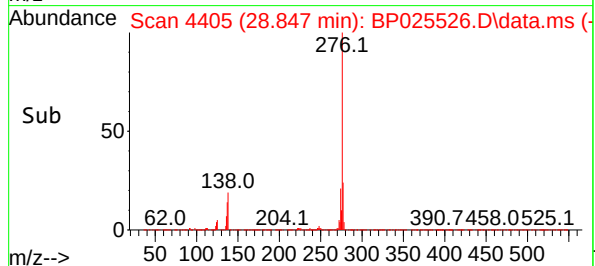
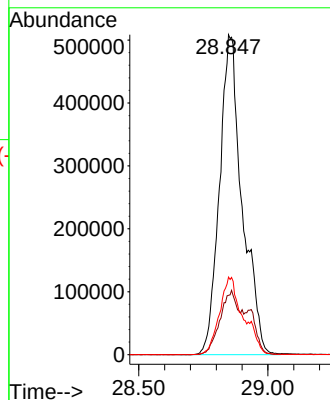
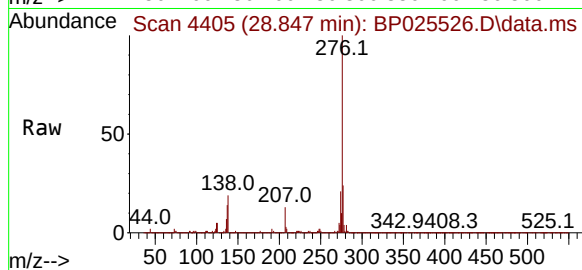
Tgt Ion:276 Resp: 3108816

Ion Ratio Lower Upper

276 100

138 17.4 12.9 19.3

277 21.5 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 37.901 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

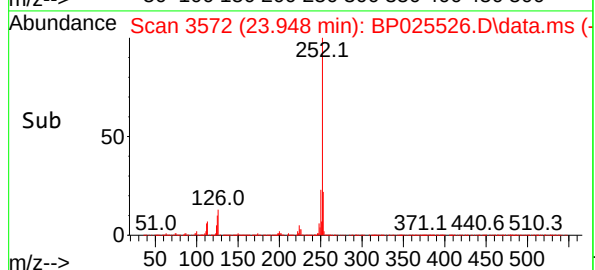
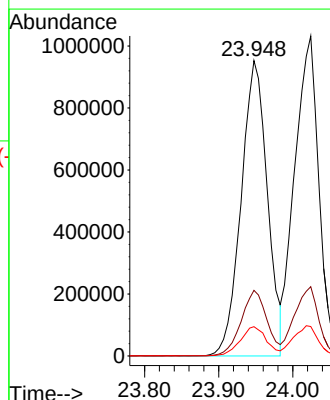
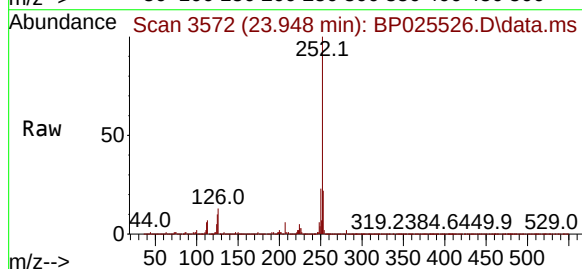
Tgt Ion:252 Resp: 2342446

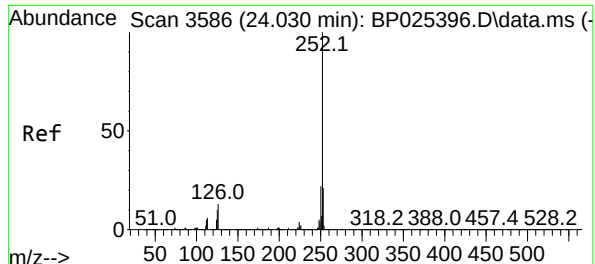
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 37.602 ng

RT: 24.024 min Scan# 3586

Delta R.T. -0.006 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

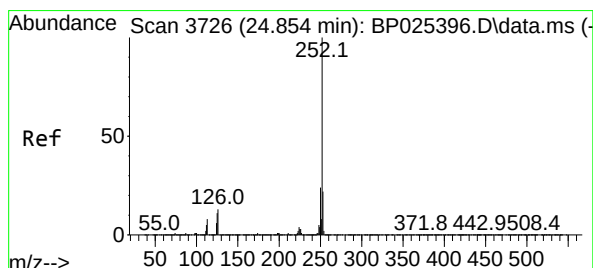
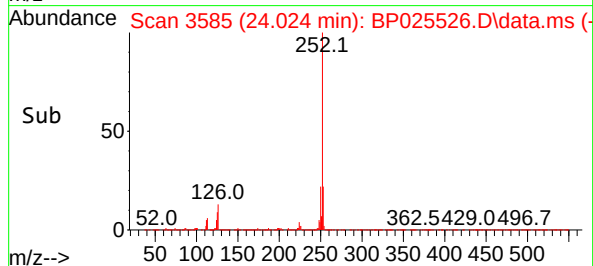
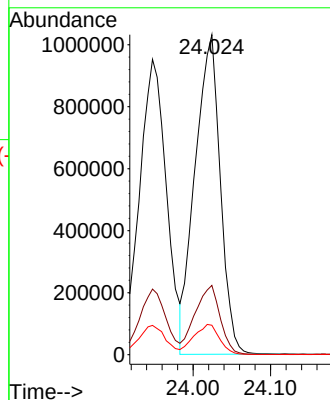
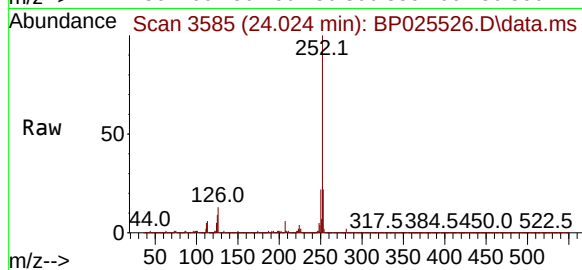
Tgt Ion:252 Resp: 2325553

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 9.2 7.8 11.6



#90

Benzo(a)pyrene

Concen: 38.843 ng

RT: 24.854 min Scan# 3726

Delta R.T. -0.000 min

Lab File: BP025526.D

Acq: 21 Aug 2025 03:59

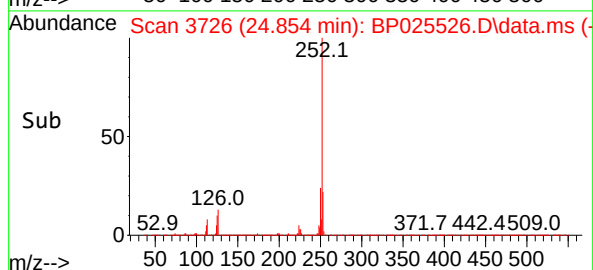
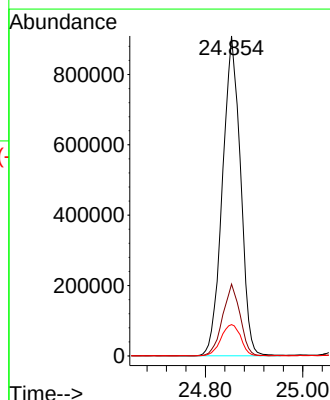
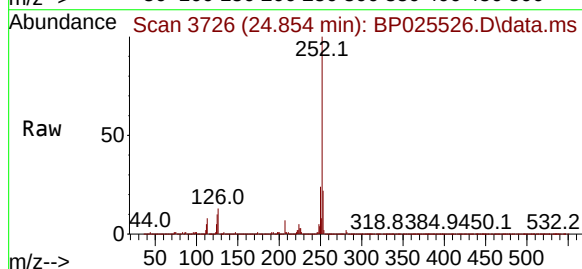
Tgt Ion:252 Resp: 2336844

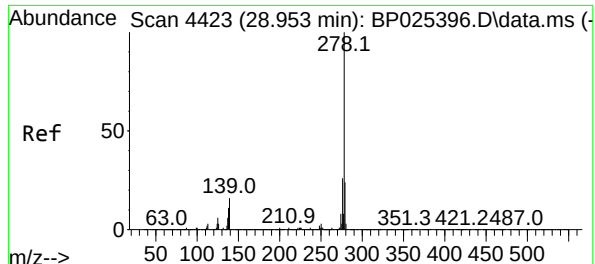
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 9.8 8.7 13.1

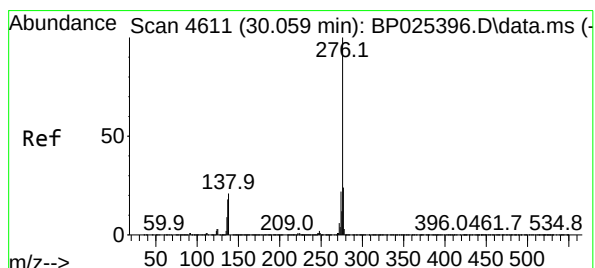
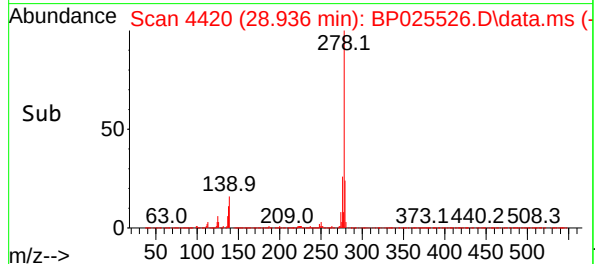
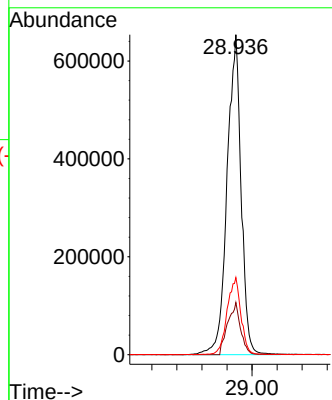
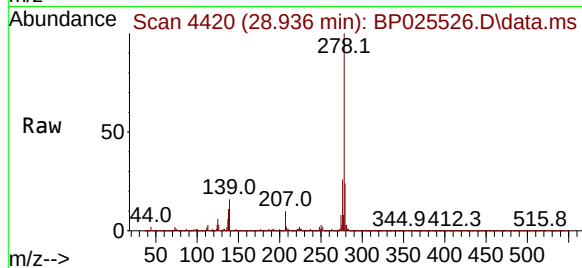




#91
Dibenzo(a,h)anthracene
Concen: 40.400 ng
RT: 28.936 min Scan# 4423
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

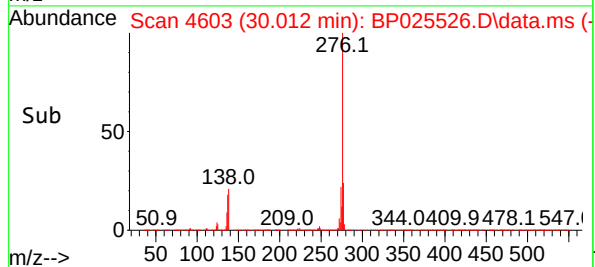
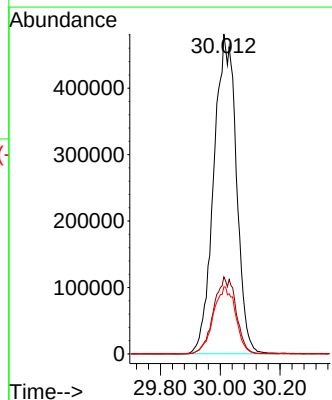
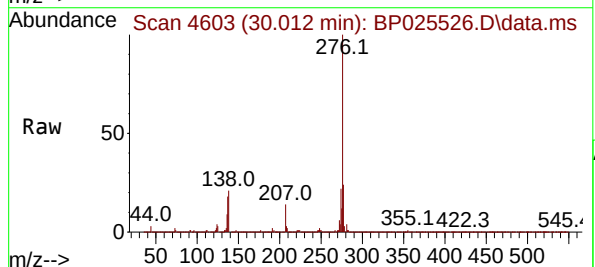
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2537691
Ion Ratio Lower Upper
278 100
139 16.3 13.0 19.4
279 24.1 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 40.739 ng
RT: 30.012 min Scan# 4603
Delta R.T. -0.047 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:276 Resp: 2515443
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.0
138 21.0 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	-0.01
2	1,4-Dioxane	0.472	0.469	0.6	128	0.00
3	Pyridine	1.291	1.257	2.6	125	0.00
4	n-Nitrosodimethylamine	0.532	0.585	-10.0	139	0.00
5 S	2-Fluorophenol	1.204	1.216	-1.0	127	0.00
6	Aniline	2.080	2.061	0.9	124	0.00
7 S	Phenol-d6	1.544	1.547	-0.2	124	0.00
8	2-Chlorophenol	1.359	1.350	0.7	125	0.00
9	Benzaldehyde	1.082	1.290	-19.2	115	0.00
10 C	Phenol	1.620	1.613	0.4	125	0.00
11	bis(2-Chloroethyl)ether	1.263	1.261	0.2	126	0.00
12	1,3-Dichlorobenzene	1.499	1.485	0.9	125	0.00
13 C	1,4-Dichlorobenzene	1.532	1.500	2.1	124	-0.01
14	1,2-Dichlorobenzene	1.483	1.433	3.4	122	0.00
15	Benzyl Alcohol	1.227	1.227	0.0	125	0.00
16	2,2'-oxybis(1-Chloropropane	1.692	1.733	-2.4	130	0.00
17	2-Methylphenol	1.125	1.122	0.3	123	0.00
18	Hexachloroethane	0.563	0.559	0.7	125	0.00
19 P	n-Nitroso-di-n-propylamine	1.023	0.976	4.6	120	0.00
20	3+4-Methylphenols	1.560	1.505	3.5	120	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	117	0.00
22	Acetophenone	0.502	0.499	0.6	121	0.00
23 S	Nitrobenzene-d5	0.395	0.409	-3.5	125	0.00
24	Nitrobenzene	0.353	0.366	-3.7	125	0.00
25	Isophorone	0.700	0.680	2.9	118	0.00
26 C	2-Nitrophenol	0.181	0.186	-2.8	121	0.00
27	2,4-Dimethylphenol	0.312	0.314	-0.6	119	0.00
28	bis(2-Chloroethoxy)methane	0.423	0.410	3.1	118	-0.01
29 C	2,4-Dichlorophenol	0.310	0.310	0.0	119	0.00
30	1,2,4-Trichlorobenzene	0.340	0.332	2.4	119	0.00
31	Naphthalene	1.040	1.009	3.0	118	-0.01
32	Benzoic acid	0.230	0.231	-0.4	119	0.01
33	4-Chloroaniline	0.459	0.448	2.4	116	0.00
34 C	Hexachlorobutadiene	0.211	0.207	1.9	118	-0.01
35	Caprolactam	0.114	0.101	11.4	108	0.00
36 C	4-Chloro-3-methylphenol	0.355	0.344	3.1	116	0.00
37	2-Methylnaphthalene	0.676	0.643	4.9	116	-0.01
38	1-Methylnaphthalene	0.719	0.671	6.7	115	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	109	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.578	0.581	-0.5	113	-0.01
41 P	Hexachlorocyclopentadiene	0.349	0.363	-4.0	114	-0.01
42 S	2,4,6-Tribromophenol	0.269	0.252	6.3	104	-0.02
43 C	2,4,6-Trichlorophenol	0.390	0.402	-3.1	114	0.00
44	2,4,5-Trichlorophenol	0.427	0.434	-1.6	111	0.00
45 S	2-Fluorobiphenyl	1.463	1.441	1.5	113	-0.01
46	1,1'-Biphenyl	1.453	1.452	0.1	112	-0.01
47	2-Chloronaphthalene	1.131	1.136	-0.4	112	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.329	0.351	-6.7	116	0.00
49	Acenaphthylene	1.871	1.854	0.9	112	-0.01
50	Dimethylphthalate	1.465	1.392	5.0	108	-0.01
51	2,6-Dinitrotoluene	0.309	0.311	-0.6	109	0.00
52 C	Acenaphthene	1.098	1.059	3.6	111	0.00
53	3-Nitroaniline	0.347	0.338	2.6	108	-0.01
54 P	2,4-Dinitrophenol	0.165	0.168	-1.8	112	0.00
55	Dibenzofuran	1.736	1.660	4.4	108	0.00
56 P	4-Nitrophenol	0.285	0.269	5.6	105	0.00
57	2,4-Dinitrotoluene	0.440	0.426	3.2	106	0.00
58	Fluorene	1.370	1.266	7.6	106	0.00
59	2,3,4,6-Tetrachlorophenol	0.377	0.370	1.9	110	0.00
60	Diethylphthalate	1.488	1.379	7.3	105	-0.01
61	4-Chlorophenyl-phenylether	0.681	0.626	8.1	105	0.00
62	4-Nitroaniline	0.356	0.320	10.1	99	0.00
63	Azobenzene	1.274	1.267	0.5	111	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	98	-0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.131	-4.8	105	-0.01
66 c	n-Nitrosodiphenylamine	0.610	0.638	-4.6	106	-0.01
67	4-Bromophenyl-phenylether	0.220	0.224	-1.8	103	0.00
68	Hexachlorobenzene	0.255	0.254	0.4	103	0.00
69	Atrazine	0.228	0.224	1.8	101	-0.01
70 C	Pentachlorophenol	0.161	0.166	-3.1	104	0.00
71	Phenanthrene	1.099	1.065	3.1	101	-0.01
72	Anthracene	1.122	1.109	1.2	101	-0.01
73	Carbazole	1.057	1.017	3.8	99	-0.01
74	Di-n-butylphthalate	1.300	1.219	6.2	96	0.00
75 C	Fluoranthene	1.311	1.183	9.8	95	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	92	-0.01
77	Benzydine	0.683	0.580	15.1	55	0.00
78	Pyrene	1.300	1.284	1.2	92	0.00
79 S	Terphenyl-d14	1.093	1.064	2.7	93	0.00
80	Butylbenzylphthalate	0.589	0.569	3.4	90	0.00
81	Benzo(a)anthracene	1.319	1.296	1.7	94	-0.02
82	3,3'-Dichlorobenzidine	0.497	0.479	3.6	90	0.00
83	Chrysene	1.235	1.210	2.0	94	-0.02
84	Bis(2-ethylhexyl)phthalate	0.867	0.831	4.2	92	-0.02
85 c	Di-n-octyl phthalate	1.492	1.498	-0.4	95	-0.03
86 I	Perylene-d12	1.000	1.000	0.0	103	-0.03
87	Indeno(1,2,3-cd)pyrene	1.467	1.483	-1.1	108	-0.02
88	Benzo(b)fluoranthene	1.179	1.117	5.3	101	0.00
89	Benzo(k)fluoranthene	1.180	1.109	6.0	101	0.00
90 C	Benzo(a)pyrene	1.148	1.115	2.9	103	0.00
91	Dibenzo(a,h)anthracene	1.199	1.211	-1.0	107	-0.02
92	Benzo(g,h,i)perylene	1.178	1.200	-1.9	108	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	122	-0.01
2	1,4-Dioxane	40.000	39.729	0.7	128	0.00
3	Pyridine	40.000	38.955	2.6	125	0.00
4	n-Nitrosodimethylamine	40.000	43.959	-9.9	139	0.00
5 S	2-Fluorophenol	80.000	80.749	-0.9	127	0.00
6	Aniline	40.000	39.629	0.9	124	0.00
7 S	Phenol-d6	80.000	80.152	-0.2	124	0.00
8	2-Chlorophenol	40.000	39.746	0.6	125	0.00
9	Benzaldehyde	40.000	47.711	-19.3	115	0.00
10 C	Phenol	40.000	39.828	0.4	125	0.00
11	bis(2-Chloroethyl)ether	40.000	39.942	0.1	126	0.00
12	1,3-Dichlorobenzene	40.000	39.651	0.9	125	0.00
13 C	1,4-Dichlorobenzene	40.000	39.168	2.1	124	-0.01
14	1,2-Dichlorobenzene	40.000	38.659	3.4	122	0.00
15	Benzyl Alcohol	40.000	40.000	0.0	125	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.975	-2.4	130	0.00
17	2-Methylphenol	40.000	39.881	0.3	123	0.00
18	Hexachloroethane	40.000	39.729	0.7	125	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.186	4.5	120	0.00
20	3+4-Methylphenols	40.000	38.594	3.5	120	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	117	0.00
22	Acetophenone	40.000	39.831	0.4	121	0.00
23 S	Nitrobenzene-d5	80.000	82.765	-3.5	125	0.00
24	Nitrobenzene	40.000	41.406	-3.5	125	0.00
25	Isophorone	40.000	38.851	2.9	118	0.00
26 C	2-Nitrophenol	40.000	41.086	-2.7	121	0.00
27	2,4-Dimethylphenol	40.000	40.225	-0.6	119	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.812	3.0	118	-0.01
29 C	2,4-Dichlorophenol	40.000	40.055	-0.1	119	0.00
30	1,2,4-Trichlorobenzene	40.000	39.125	2.2	119	0.00
31	Naphthalene	40.000	38.828	2.9	118	-0.01
32	Benzoic acid	40.000	40.049	-0.1	119	0.01
33	4-Chloroaniline	40.000	38.991	2.5	116	0.00
34 C	Hexachlorobutadiene	40.000	39.065	2.3	118	-0.01
35	Caprolactam	40.000	35.484	11.3	108	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.676	3.3	116	0.00
37	2-Methylnaphthalene	40.000	37.995	5.0	116	-0.01
38	1-Methylnaphthalene	40.000	37.300	6.8	115	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	109	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	40.240	-0.6	113	-0.01
41 P	Hexachlorocyclopentadiene	40.000	41.668	-4.2	114	-0.01
42 S	2,4,6-Tribromophenol	80.000	74.936	6.3	104	-0.02
43 C	2,4,6-Trichlorophenol	40.000	41.205	-3.0	114	0.00
44	2,4,5-Trichlorophenol	40.000	40.598	-1.5	111	0.00
45 S	2-Fluorobiphenyl	80.000	78.794	1.5	113	-0.01
46	1,1'-Biphenyl	40.000	39.995	0.0	112	-0.01
47	2-Chloronaphthalene	40.000	40.186	-0.5	112	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.636	-6.6	116	0.00
49	Acenaphthylene	40.000	39.644	0.9	112	-0.01
50	Dimethylphthalate	40.000	38.020	4.9	108	-0.01
51	2,6-Dinitrotoluene	40.000	40.251	-0.6	109	0.00
52 C	Acenaphthene	40.000	38.553	3.6	111	0.00
53	3-Nitroaniline	40.000	38.977	2.6	108	-0.01
54 P	2,4-Dinitrophenol	40.000	40.644	-1.6	112	0.00
55	Dibenzofuran	40.000	38.235	4.4	108	0.00
56 P	4-Nitrophenol	40.000	37.635	5.9	105	0.00
57	2,4-Dinitrotoluene	40.000	38.698	3.3	106	0.00
58	Fluorene	40.000	36.973	7.6	106	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.239	1.9	110	0.00
60	Diethylphthalate	40.000	37.056	7.4	105	-0.01
61	4-Chlorophenyl-phenylether	40.000	36.730	8.2	105	0.00
62	4-Nitroaniline	40.000	35.928	10.2	99	0.00
63	Azobenzene	40.000	39.764	0.6	111	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	98	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	42.016	-5.0	105	-0.01
66 c	n-Nitrosodiphenylamine	40.000	41.848	-4.6	106	-0.01
67	4-Bromophenyl-phenylether	40.000	40.652	-1.6	103	0.00
68	Hexachlorobenzene	40.000	39.912	0.2	103	0.00
69	Atrazine	40.000	39.190	2.0	101	-0.01
70 C	Pentachlorophenol	40.000	41.242	-3.1	104	0.00
71	Phenanthrene	40.000	38.791	3.0	101	-0.01
72	Anthracene	40.000	39.524	1.2	101	-0.01
73	Carbazole	40.000	38.481	3.8	99	-0.01
74	Di-n-butylphthalate	40.000	37.487	6.3	96	0.00
75 C	Fluoranthene	40.000	36.116	9.7	95	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	92	-0.01
77	Benzydine	40.000	34.006	15.0	55	0.00
78	Pyrene	40.000	39.495	1.3	92	0.00
79 S	Terphenyl-d14	80.000	77.871	2.7	93	0.00
80	Butylbenzylphthalate	40.000	38.610	3.5	90	0.00
81	Benzo(a)anthracene	40.000	39.296	1.8	94	-0.02
82	3,3'-Dichlorobenzidine	40.000	38.576	3.6	90	0.00
83	Chrysene	40.000	39.179	2.1	94	-0.02
84	Bis(2-ethylhexyl)phthalate	40.000	38.334	4.2	92	-0.02
85 c	Di-n-octyl phthalate	40.000	40.160	-0.4	95	-0.03
86 I	Perylene-d12	20.000	20.000	0.0	103	-0.03
87	Indeno(1,2,3-cd)pyrene	40.000	40.446	-1.1	108	-0.02
88	Benzo(b)fluoranthene	40.000	37.901	5.2	101	0.00
89	Benzo(k)fluoranthene	40.000	37.602	6.0	101	0.00
90 C	Benzo(a)pyrene	40.000	38.843	2.9	103	0.00
91	Dibenzo(a,h)anthracene	40.000	40.400	-1.0	107	-0.02
92	Benzo(g,h,i)perylene	40.000	40.739	-1.8	108	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0



QC SAMPLE DATA

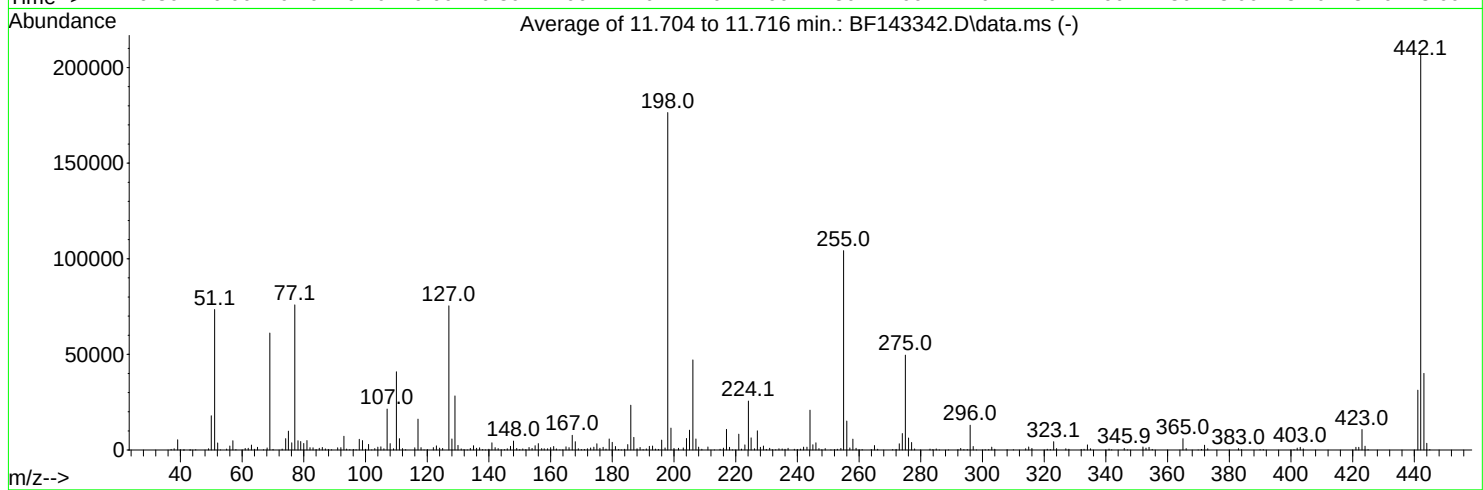
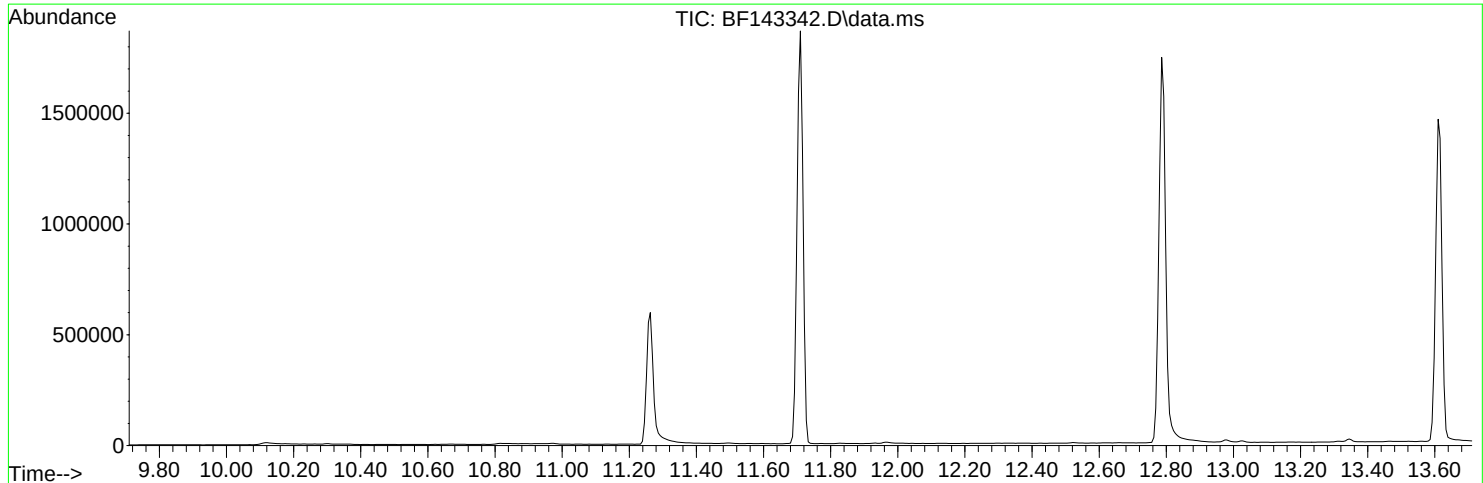
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- 17
- 18

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025



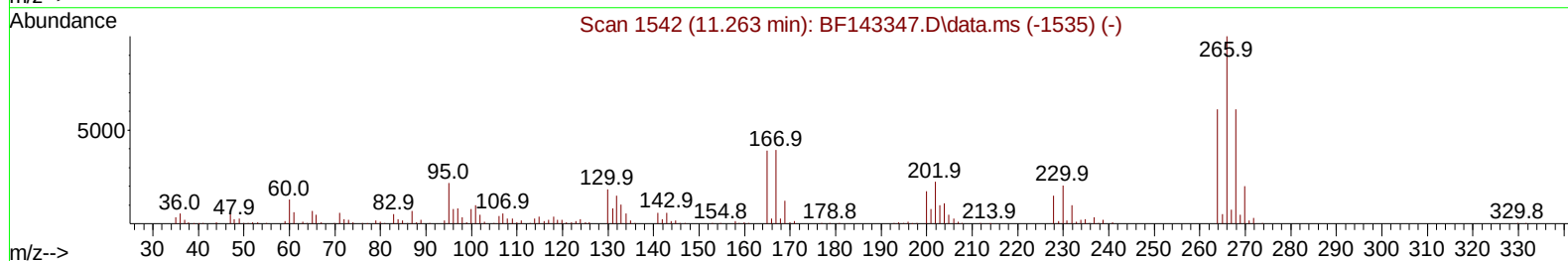
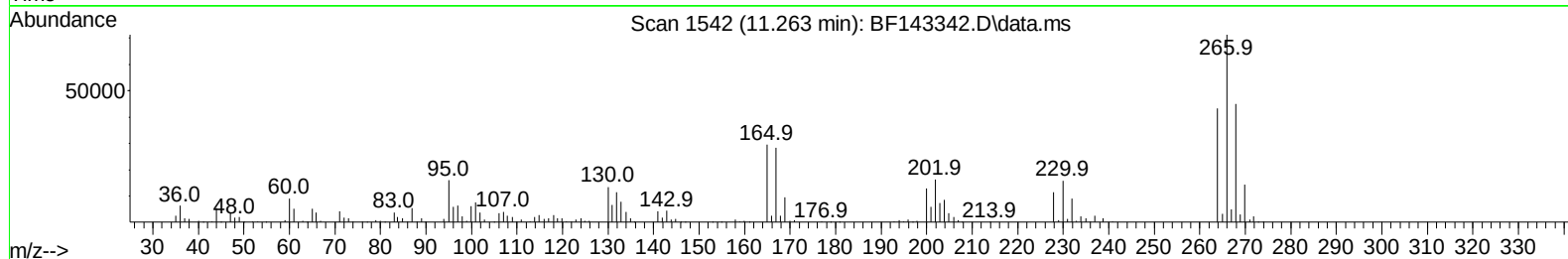
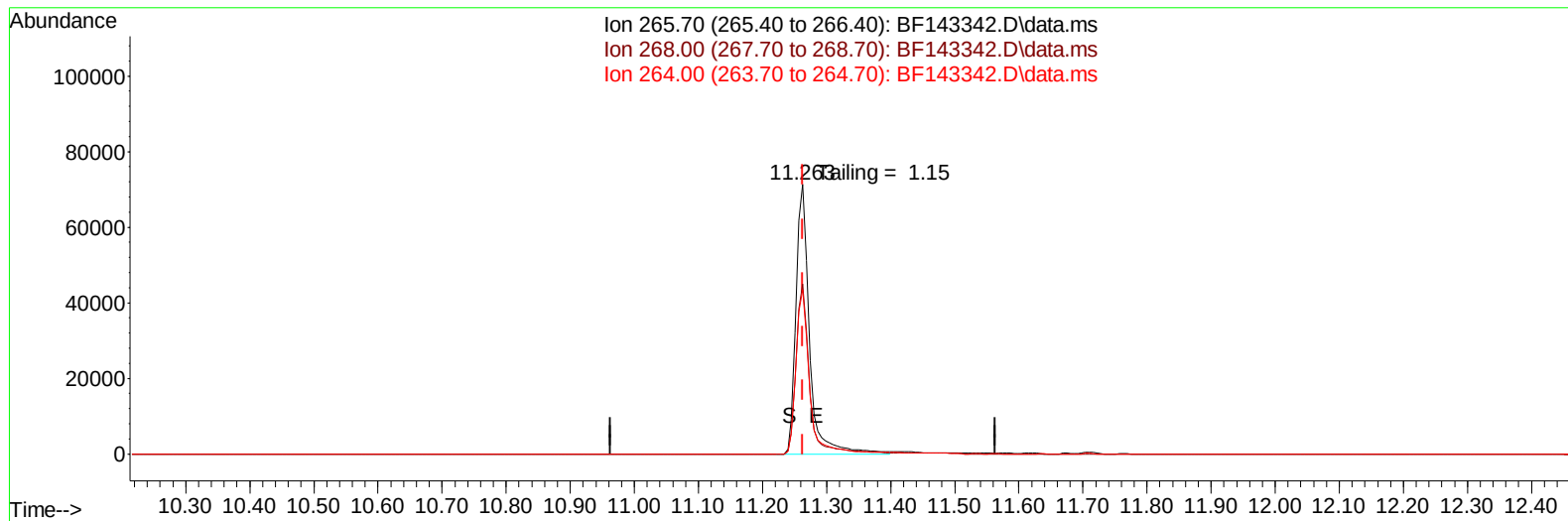
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	1075	PASS
69	69	100	100	100.0	61205	PASS
70	69	0.00	2	0.5	326	PASS
197	198	0.00	2	0.6	1092	PASS
198	198	100	100	100.0	176469	PASS
199	198	5	9	6.5	11438	PASS
365	198	1	100	3.4	5927	PASS
441	443	0.01	150	77.9	31269	PASS
442	442	100	100	100.0	206464	PASS
443	442	15	24	19.4	40120	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 13:28:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



TIC: BF143342.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.000) 127995.01 ng

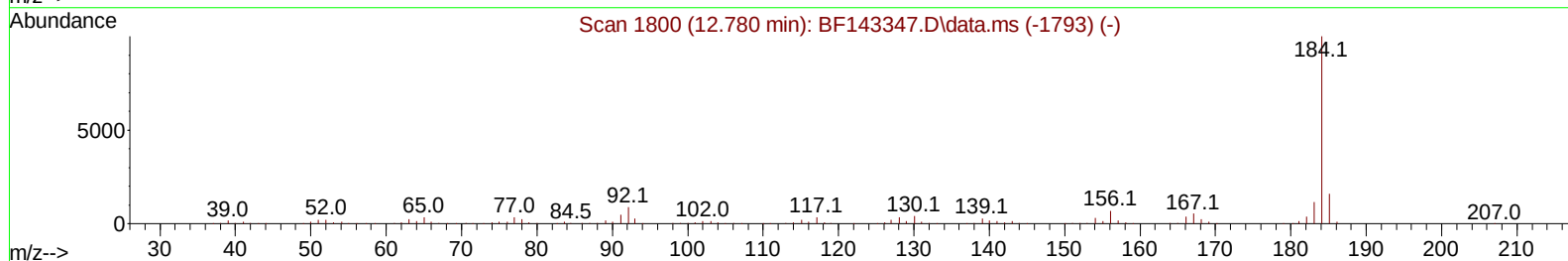
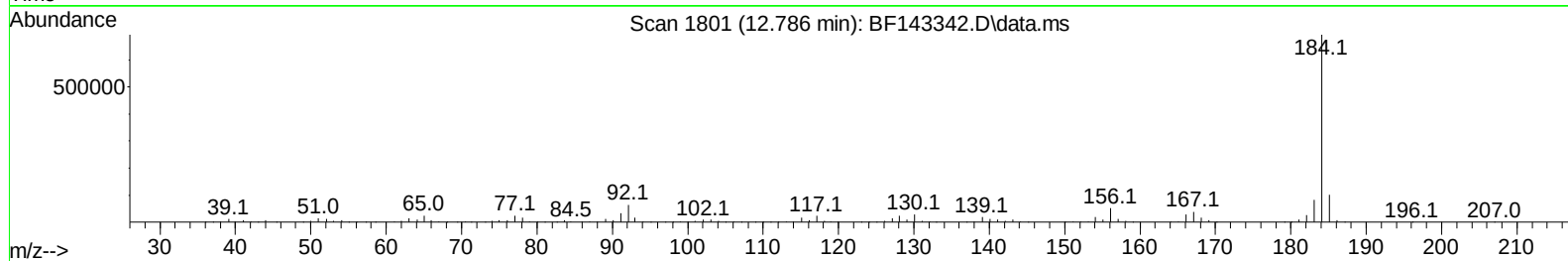
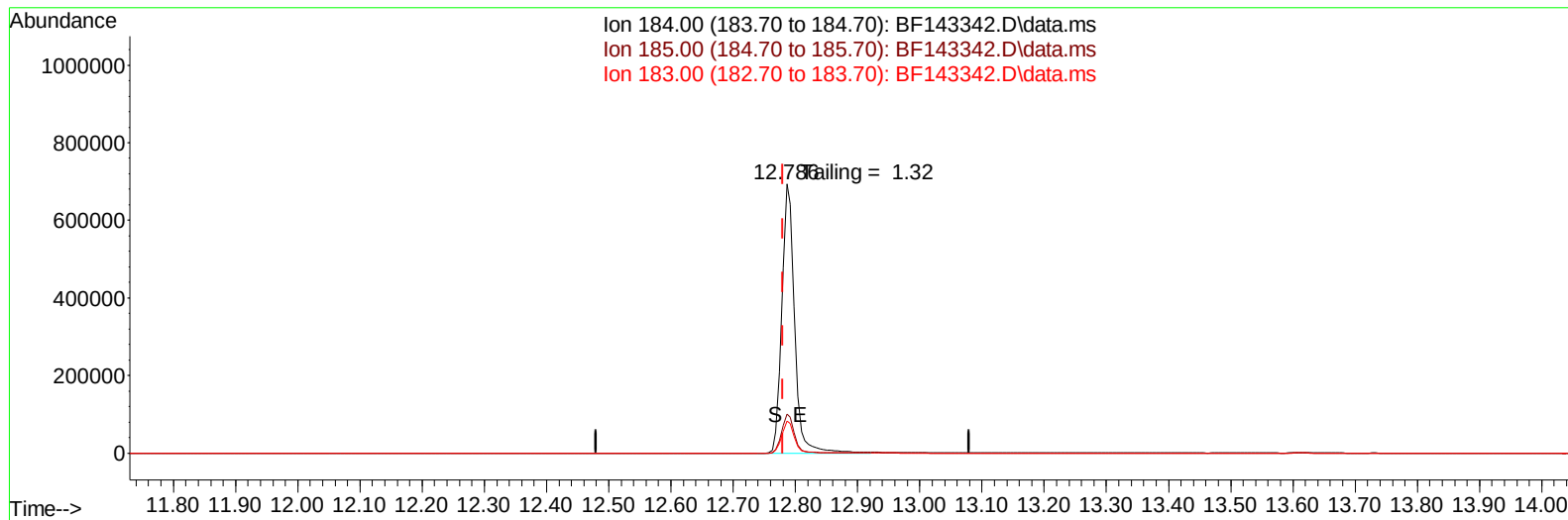
response 106759

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.00	63.14
264.00	61.00	60.85
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 13:28:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



TIC: BF143342.D\data.ms

(77) Benzidine

12.786min (+ 0.006) 0.00 ng

response 1006924

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	16.00	14.63
183.00	11.60	11.87
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

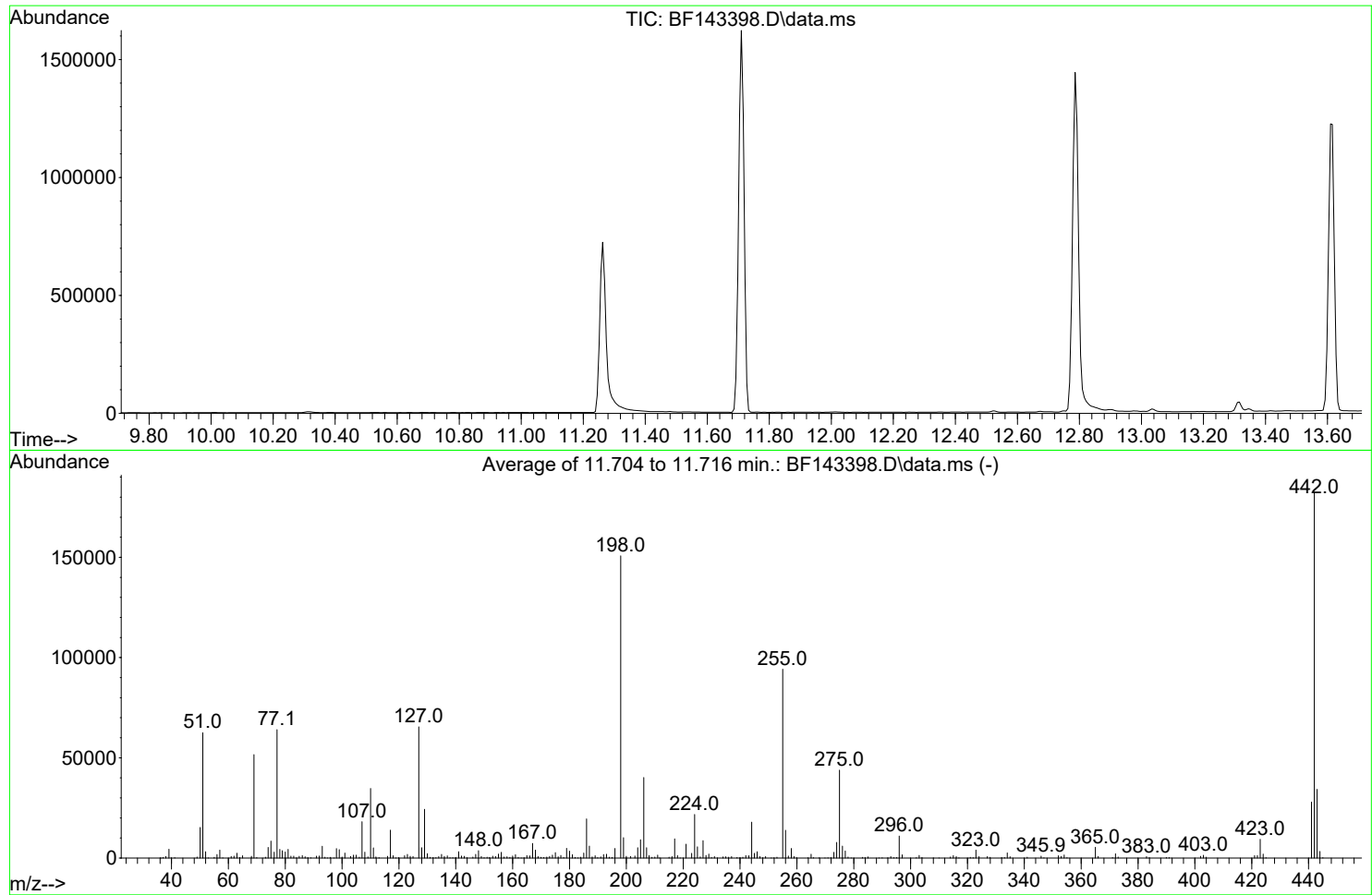
Date	Instrument Name	DFTPP Data File
8/12/2025	BNA_F	<u>BF143342.D</u>
Compound Name	Response	Retention Time
DDT	266385	13.61
DDD	3780	13.345
DDE	3356	12.98
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
7136	273521	2.61

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143398.D
Acq On : 15 Aug 2025 01:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025



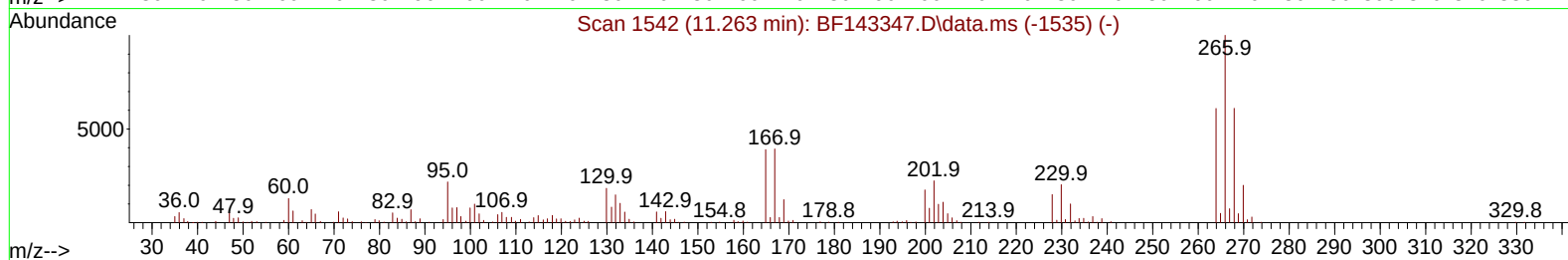
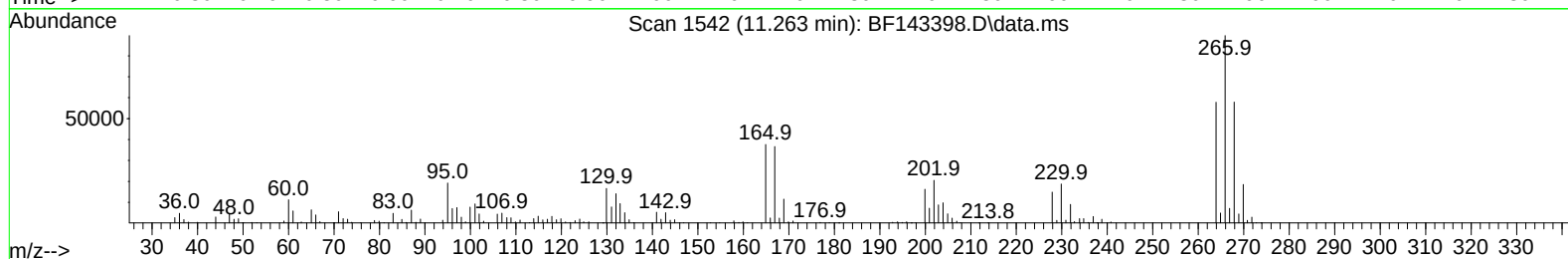
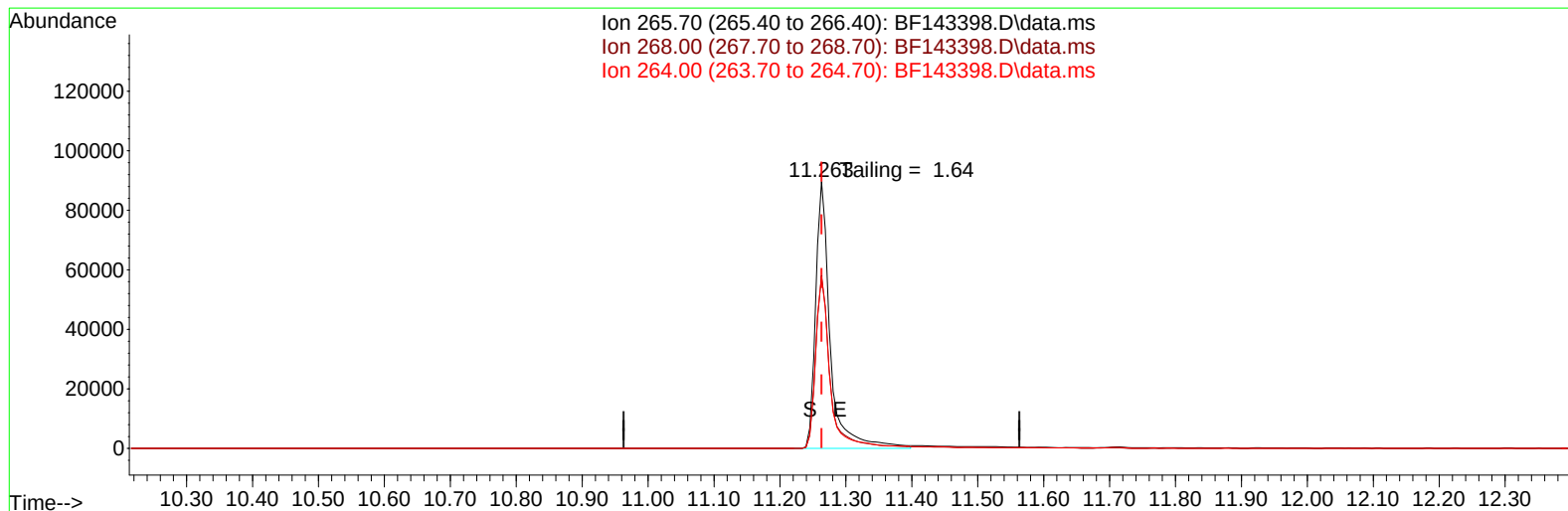
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1611

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.7	886	PASS
69	69	100	100	100.0	51568	PASS
70	69	0.00	2	0.6	319	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	150741	PASS
199	198	5	9	6.8	10206	PASS
365	198	1	100	3.6	5358	PASS
441	443	0.01	150	81.5	27955	PASS
442	442	100	100	100.0	181899	PASS
443	442	15	24	18.8	34285	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143398.D
Acq On : 15 Aug 2025 01:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 15 03:37:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



TIC: BF143398.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.000) 83327.89 ng

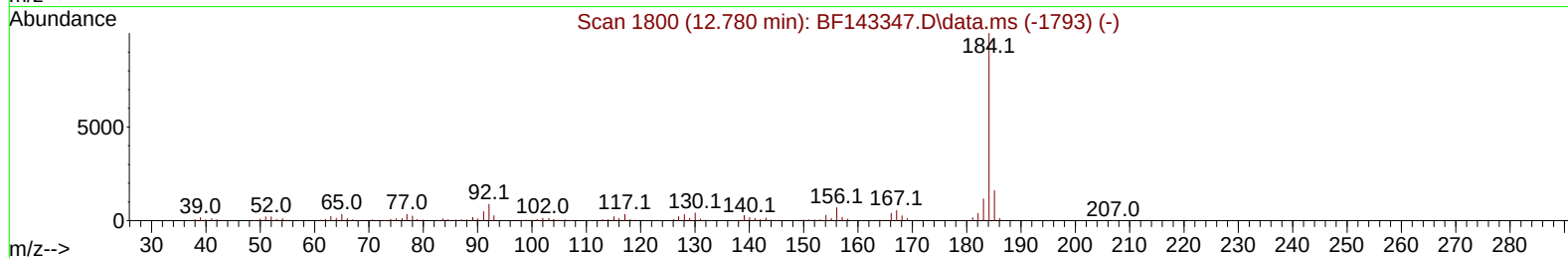
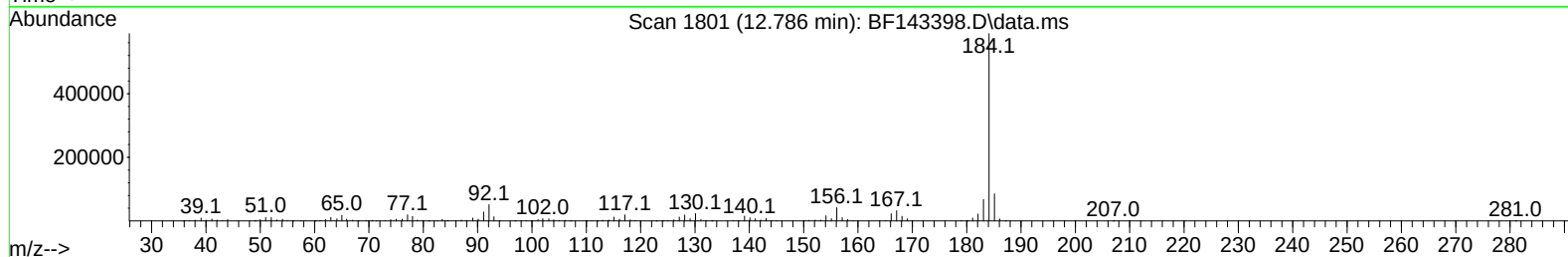
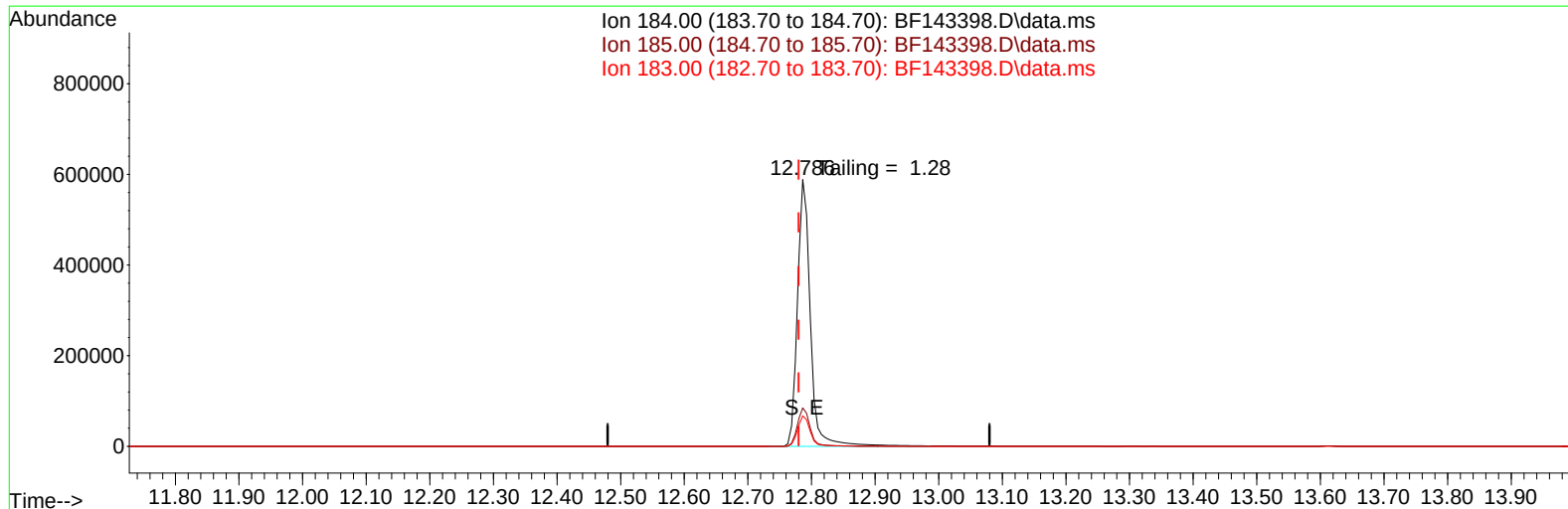
response 139002

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.00	64.61
264.00	61.00	64.47
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143398.D
Acq On : 15 Aug 2025 01:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 15 03:37:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



TIC: BF143398.D\data.ms

(77) Benzidine

12.786min (+ 0.006) 0.00 ng

response 830815

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	16.00	14.46
183.00	11.60	11.48
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

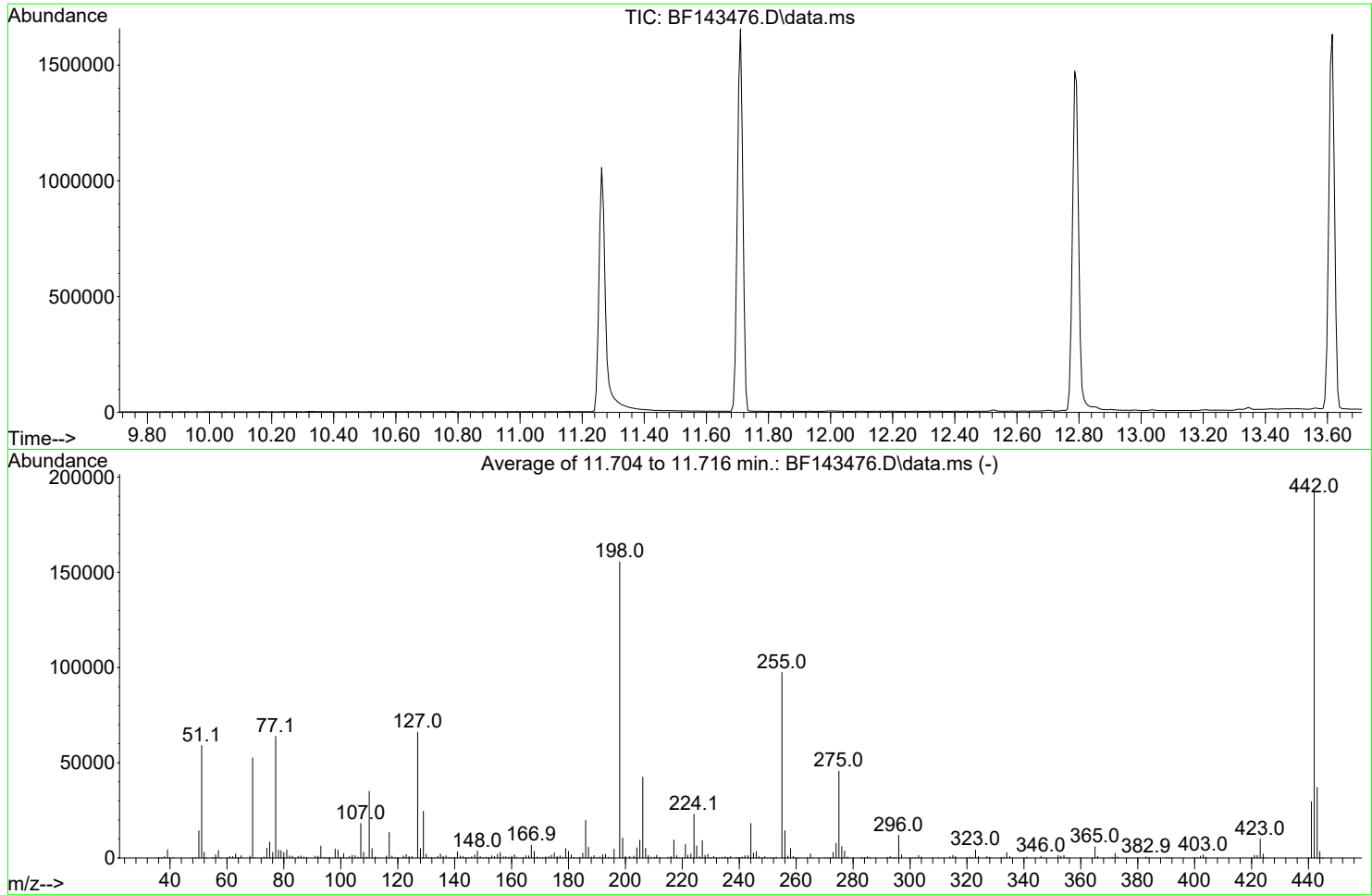
Date	Instrument Name	DFTPP Data File
8/14/2025	BNA_F	<u>BF143398.D</u>
Compound Name	Response	Retention Time
DDT	317573	13.619
DDD	15212	13.316
DDE	914	12.98
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
16126	333699	4.83

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143476.D
Acq On : 20 Aug 2025 10:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025



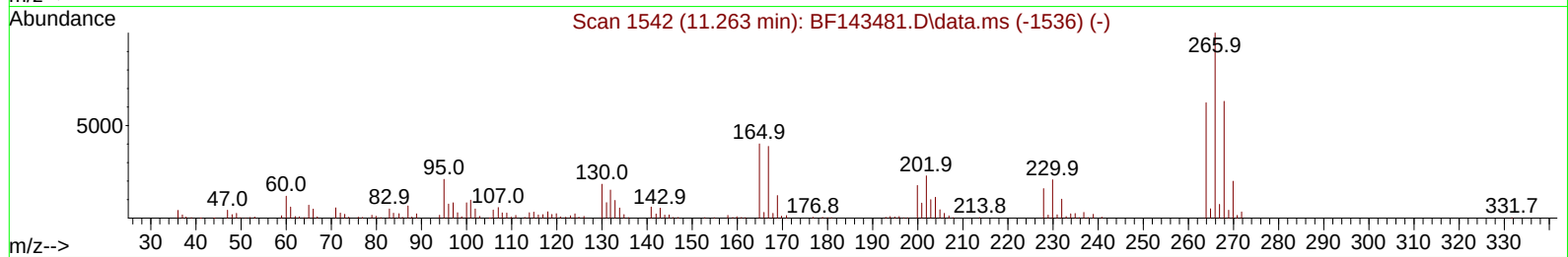
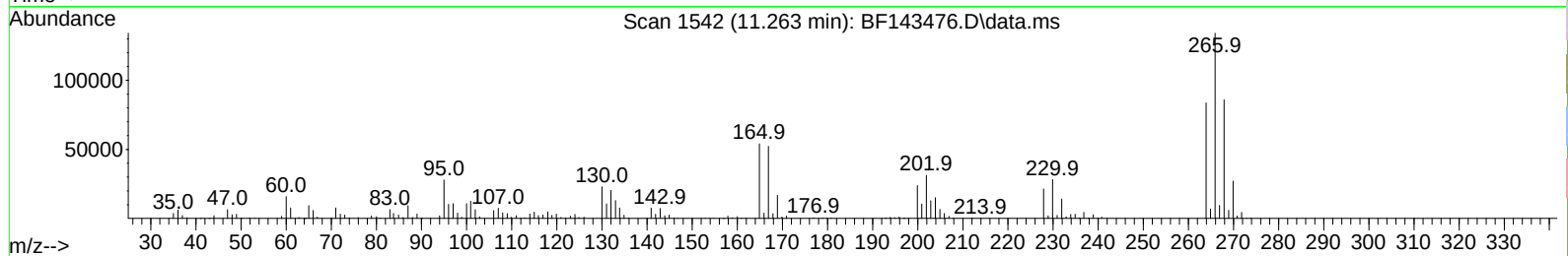
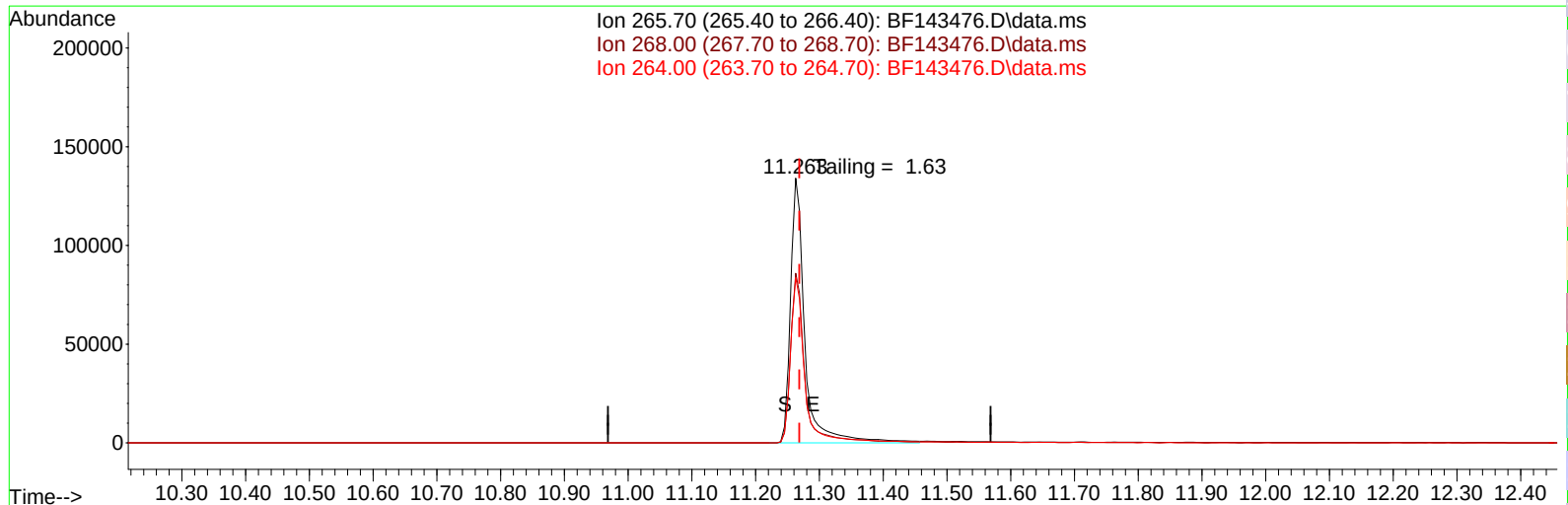
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.9	985	PASS
69	69	100	100	100.0	52563	PASS
70	69	0.00	2	0.5	276	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	155509	PASS
199	198	5	9	6.8	10536	PASS
365	198	1	100	3.8	5904	PASS
441	443	0.01	150	79.6	29523	PASS
442	442	100	100	100.0	191893	PASS
443	442	15	24	19.3	37093	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143476.D
Acq On : 20 Aug 2025 10:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 20 16:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



TIC: BF143476.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.006) 46358.19 ng

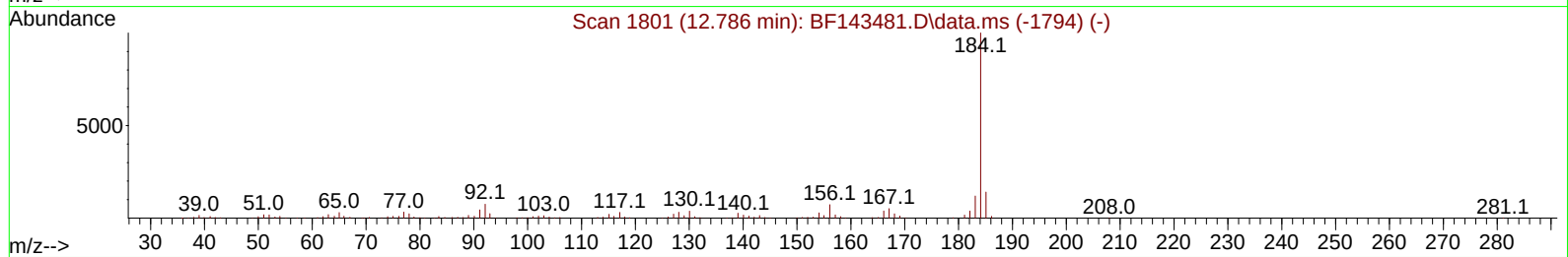
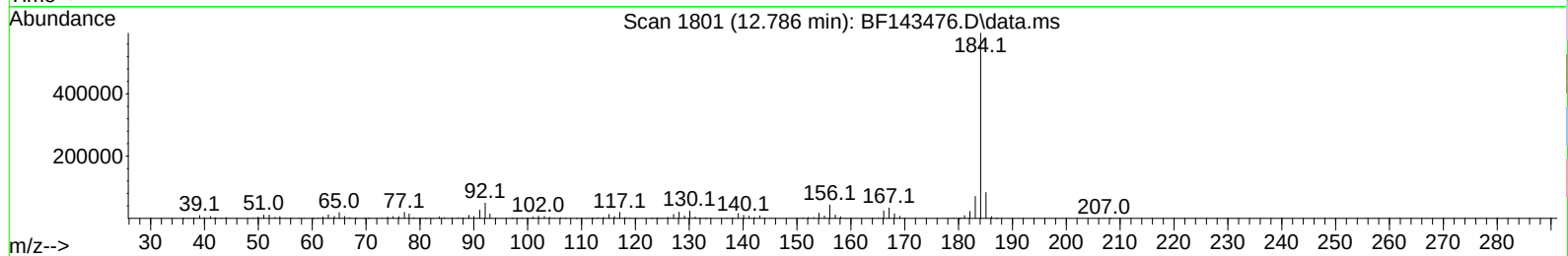
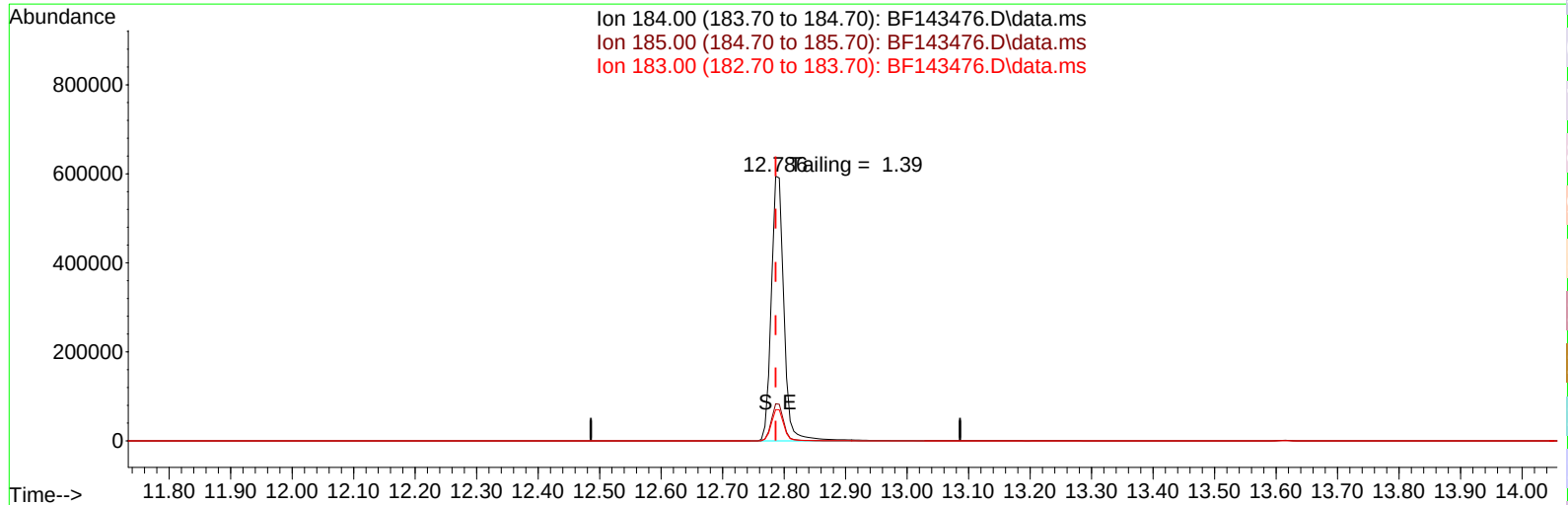
response 211078

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	64.07
264.00	62.30	62.45
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143476.D
Acq On : 20 Aug 2025 10:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 20 16:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



TIC: BF143476.D\data.ms

(77) Benzidine

12.786min (+ 0.000) 0.00 ng

response 857686

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.00
183.00	11.90	11.84
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

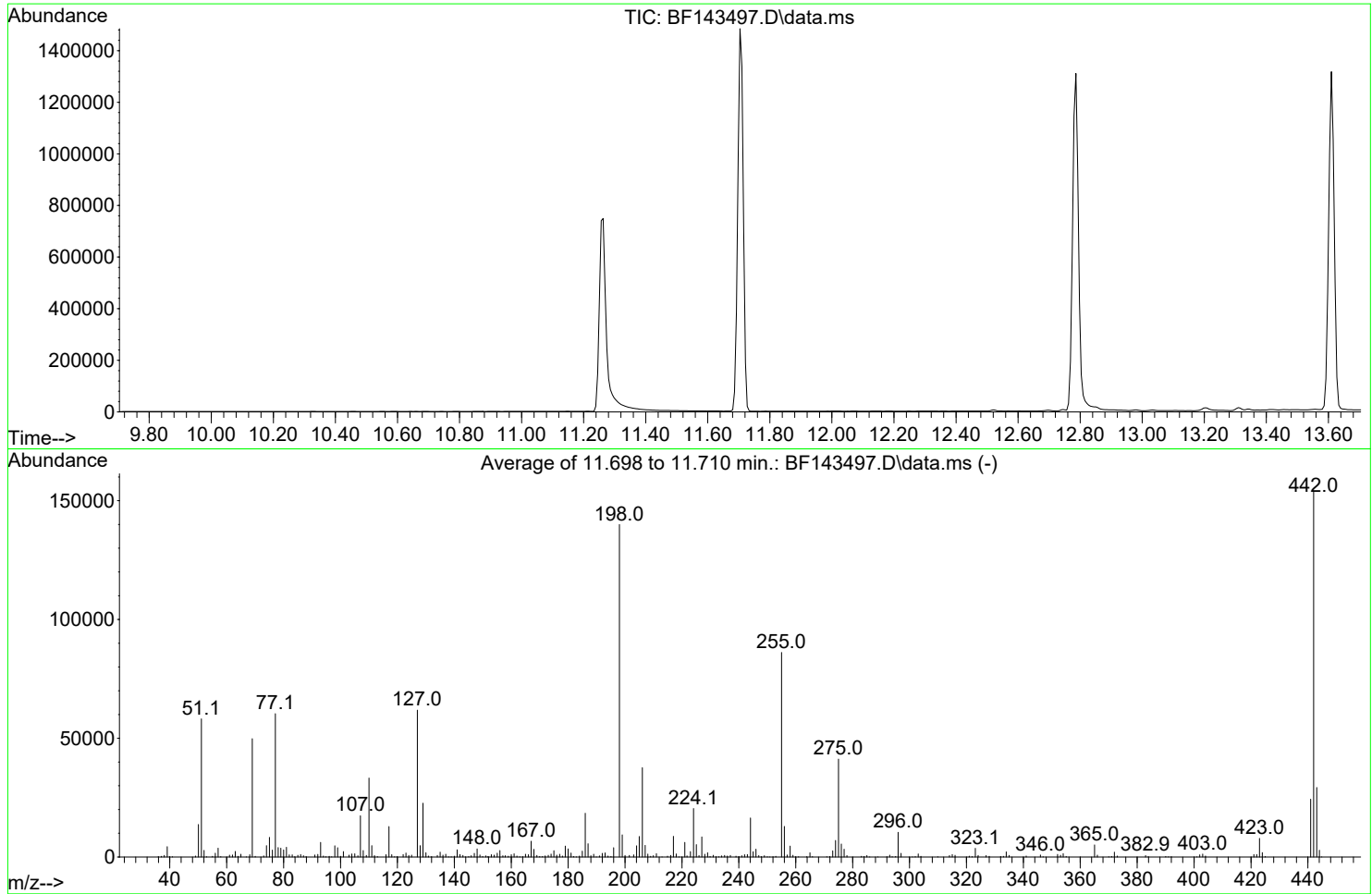
Date	Instrument Name	DFTPP Data File
8/20/2025	BNA_F	<u>BF143476.D</u>
Compound Name	Response	Retention Time
DDT	414933	13.616
DDD	4692	13.345
DDE	1143	12.98
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5835	420768	1.39

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143497.D
Acq On : 20 Aug 2025 21:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025



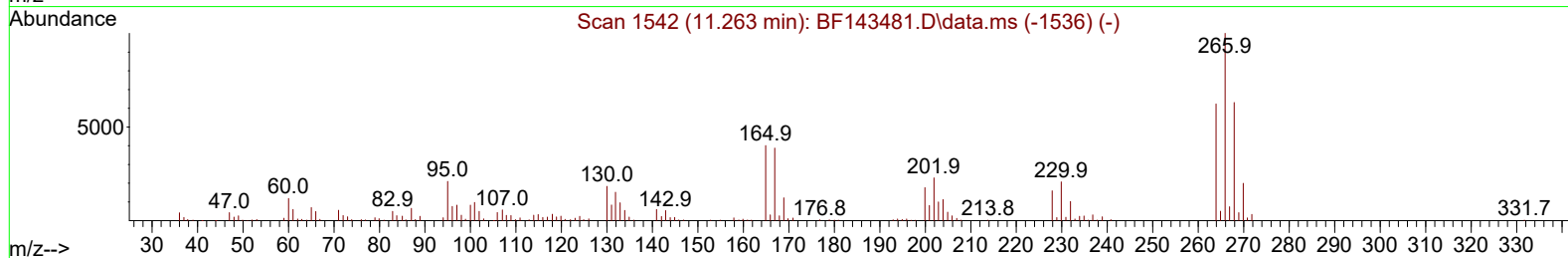
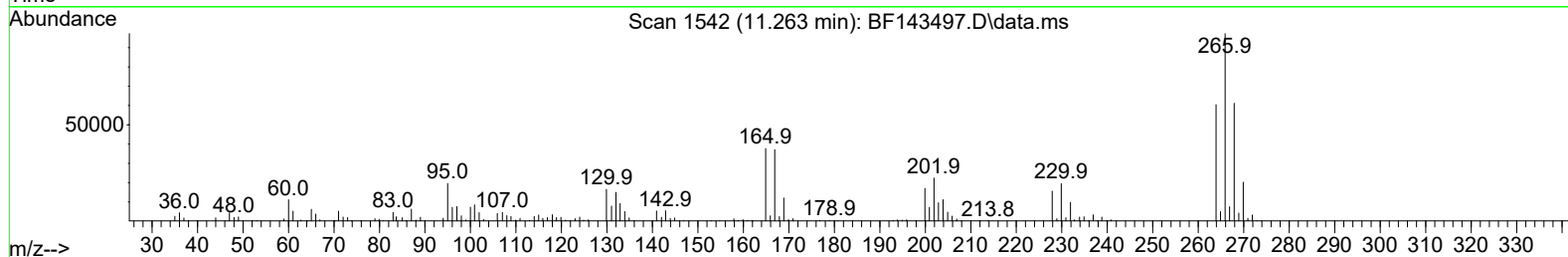
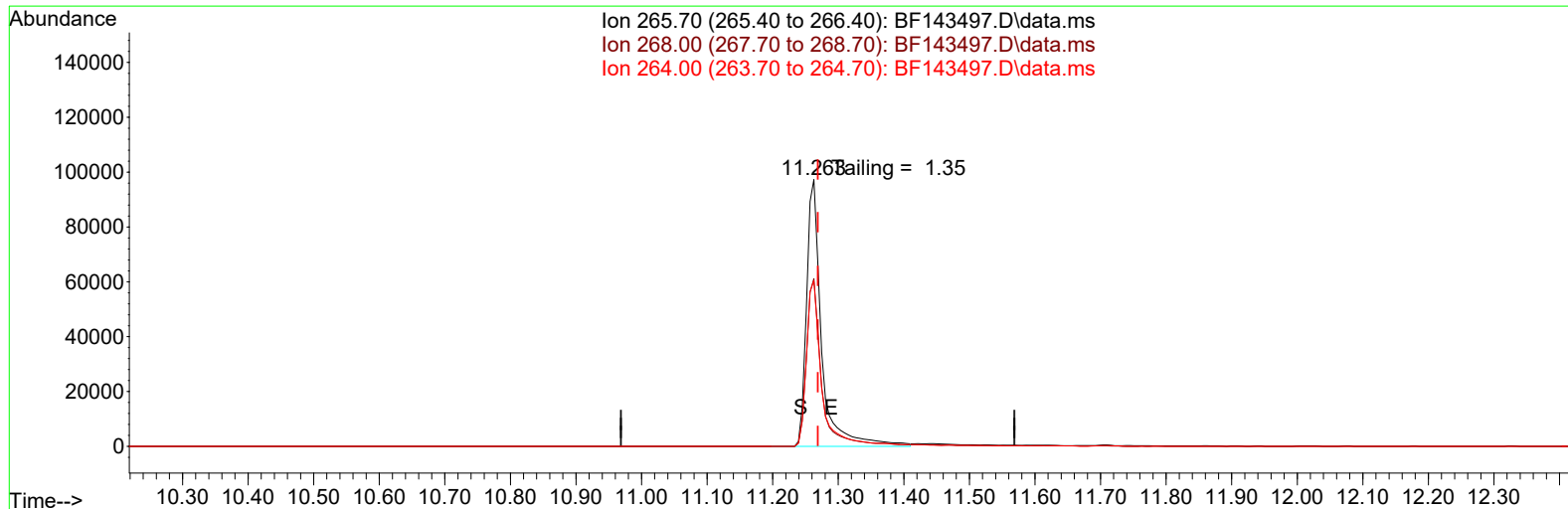
AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	2.0	984	PASS
69	69	100	100	100.0	49792	PASS
70	69	0.00	2	0.6	289	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	139989	PASS
199	198	5	9	6.7	9329	PASS
365	198	1	100	3.6	5107	PASS
441	443	0.01	150	83.2	24347	PASS
442	442	100	100	100.0	153672	PASS
443	442	15	24	19.0	29261	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143497.D
Acq On : 20 Aug 2025 21:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 02:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



TIC: BF143497.D\data.ms

(70) Pentachlorophenol (C)

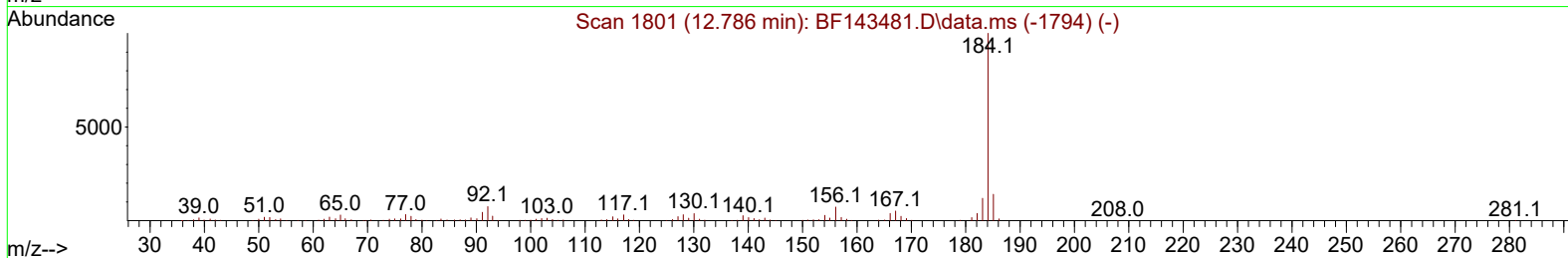
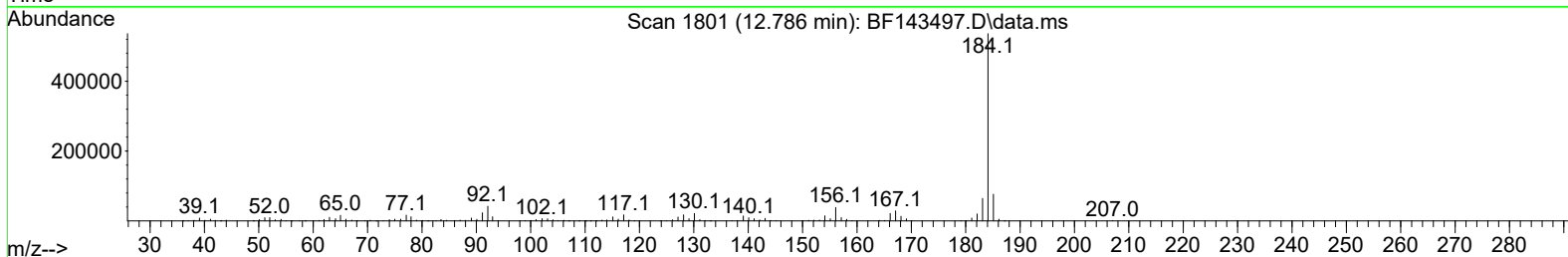
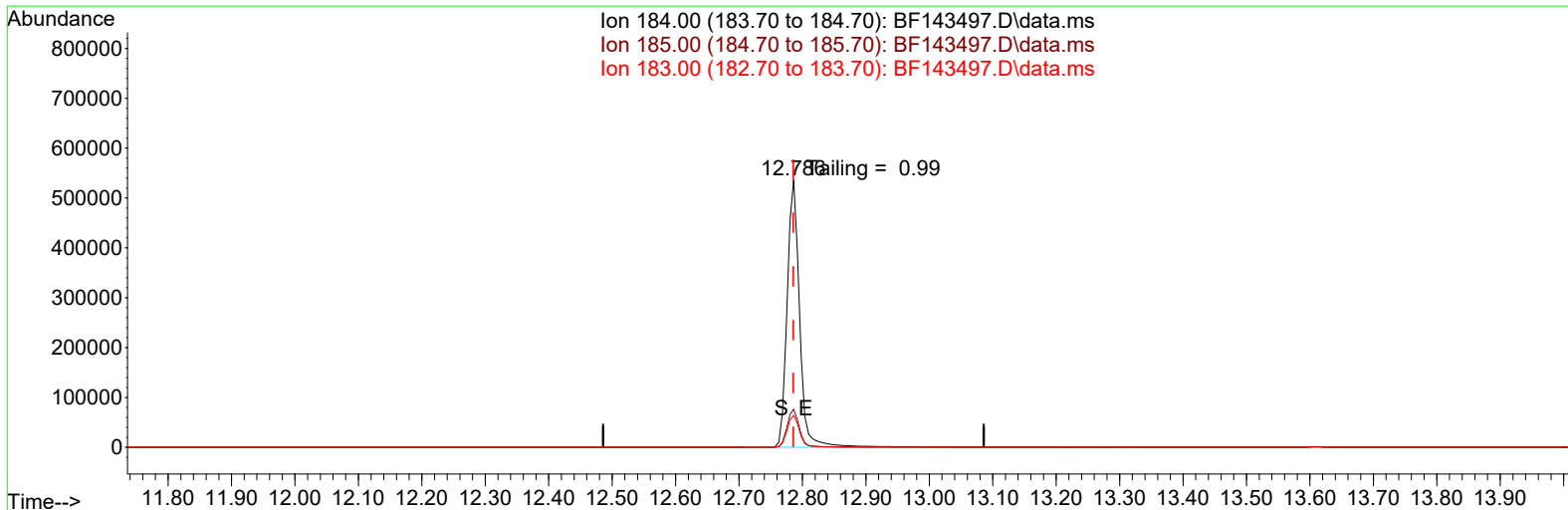
11.263min (-0.006) 130789.27 ng

response 157159

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	62.88
264.00	62.30	62.11
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 02:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



TIC: BF143497.D\data.ms

(77) Benzidine

12.786min (+ 0.000) 0.00 ng

response 737567

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.26
183.00	11.90	12.02
0.00	0.00	0.00

DDT Breakdown

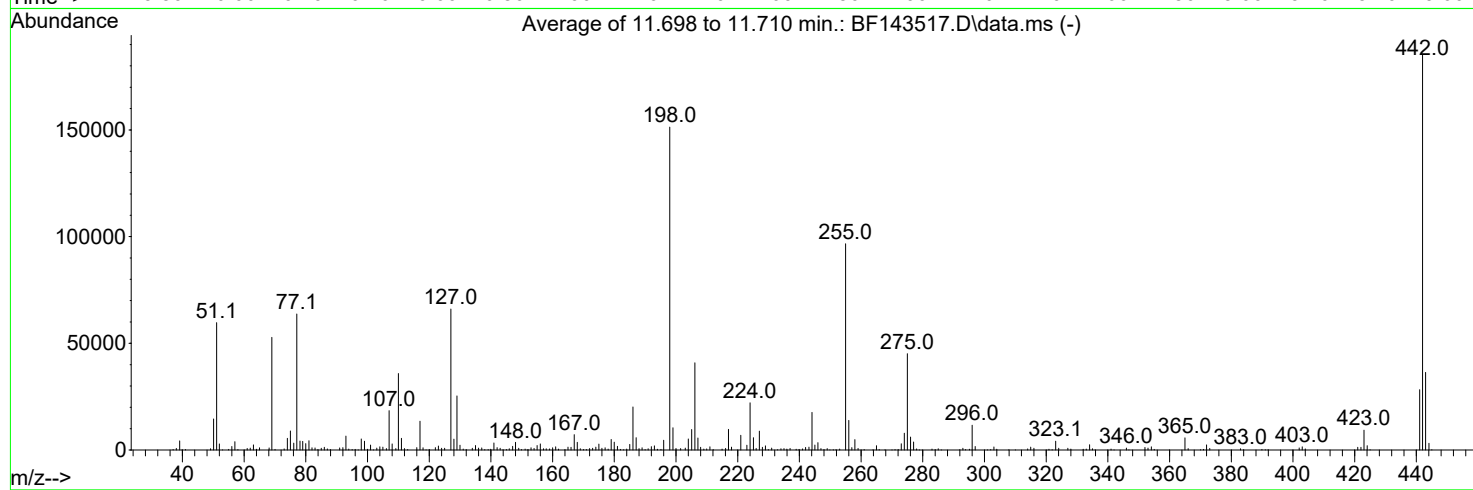
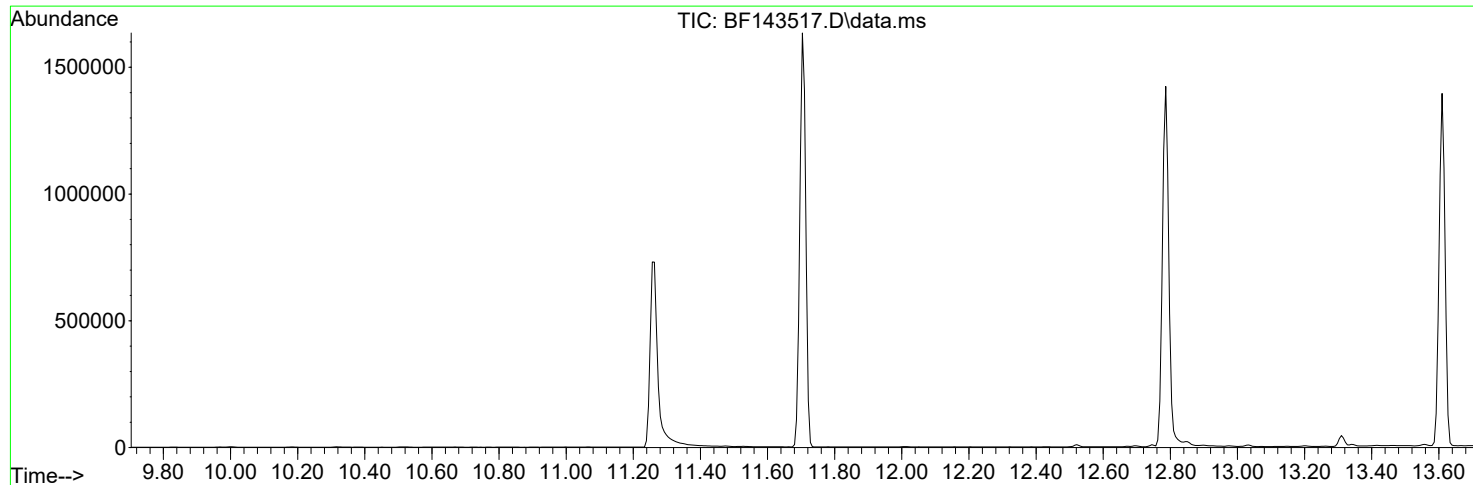
Date	Instrument Name	DFTPP Data File
8/20/2025	BNA_F	<u>BF143497.D</u>
Compound Name	Response	Retention Time
DDT	312124	13.61
DDD	5317	13.31
DDE	1164	12.98
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6481	318605	2.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143517.D
Acq On : 21 Aug 2025 08:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025



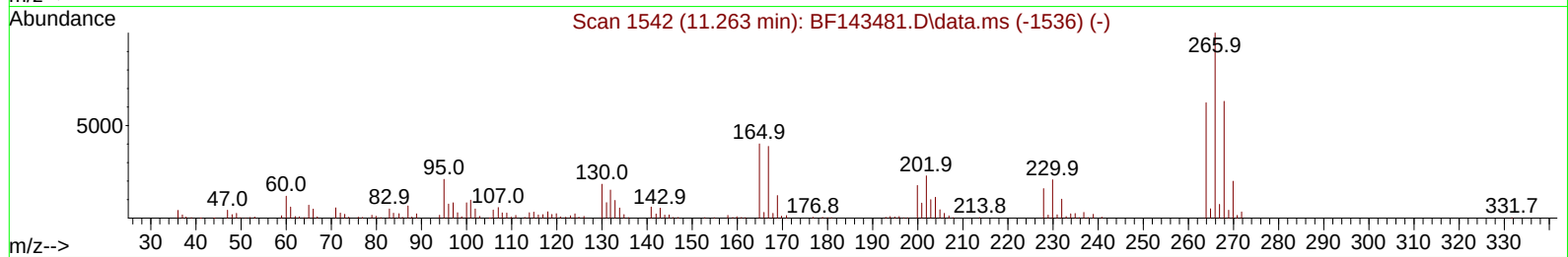
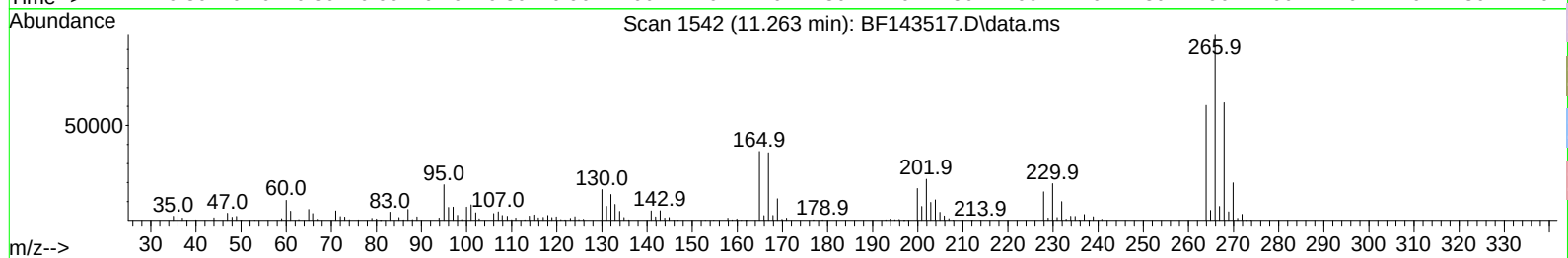
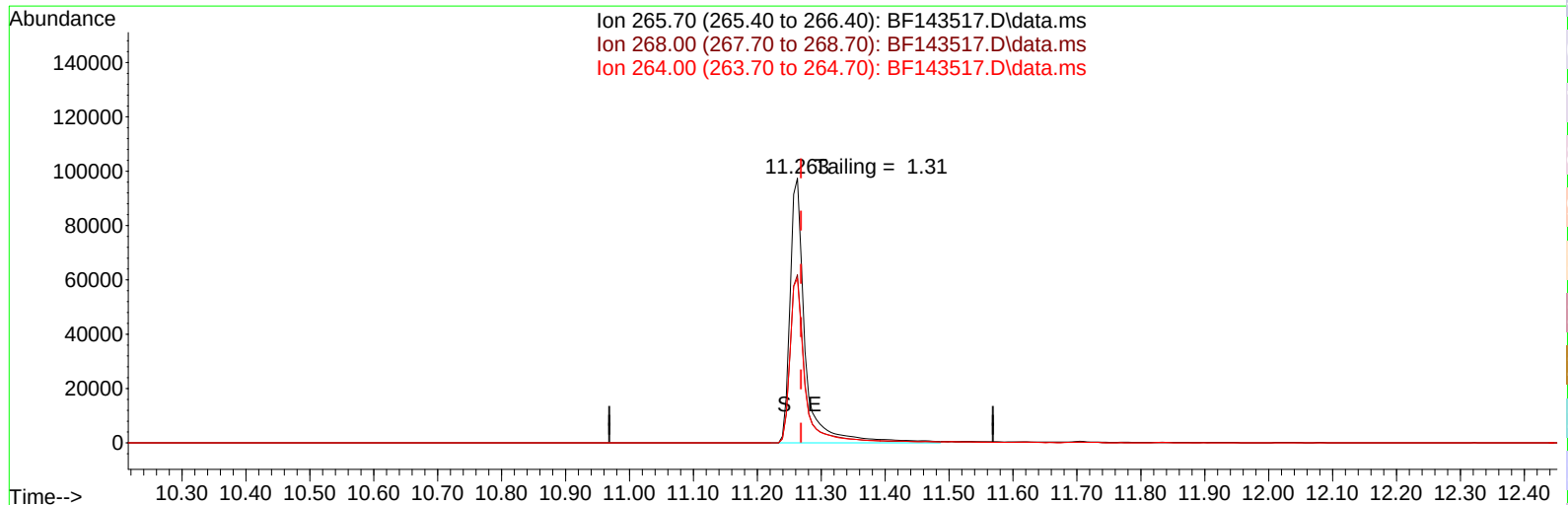
AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.9	984	PASS
69	69	100	100	100.0	52787	PASS
70	69	0.00	2	0.6	326	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	151288	PASS
199	198	5	9	6.9	10453	PASS
365	198	1	100	3.8	5742	PASS
441	443	0.01	150	77.6	28243	PASS
442	442	100	100	100.0	185035	PASS
443	442	15	24	19.7	36395	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143517.D
Acq On : 21 Aug 2025 08:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 08:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



TIC: BF143517.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.006) 27043.48 ng

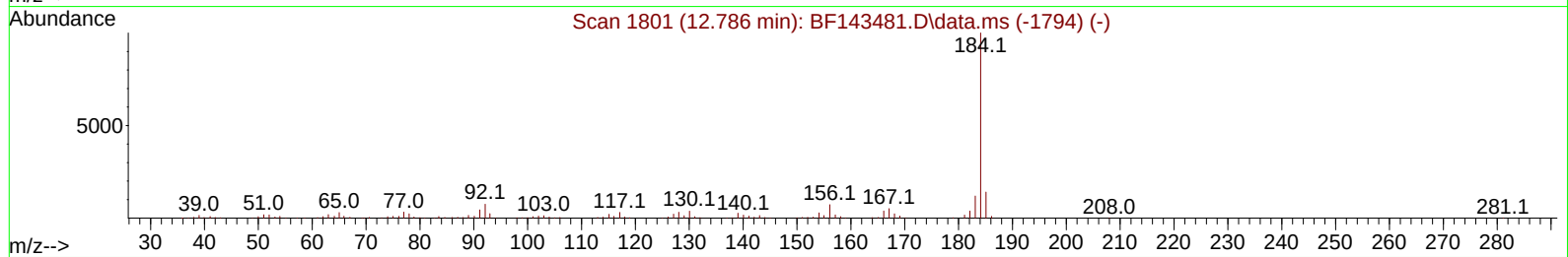
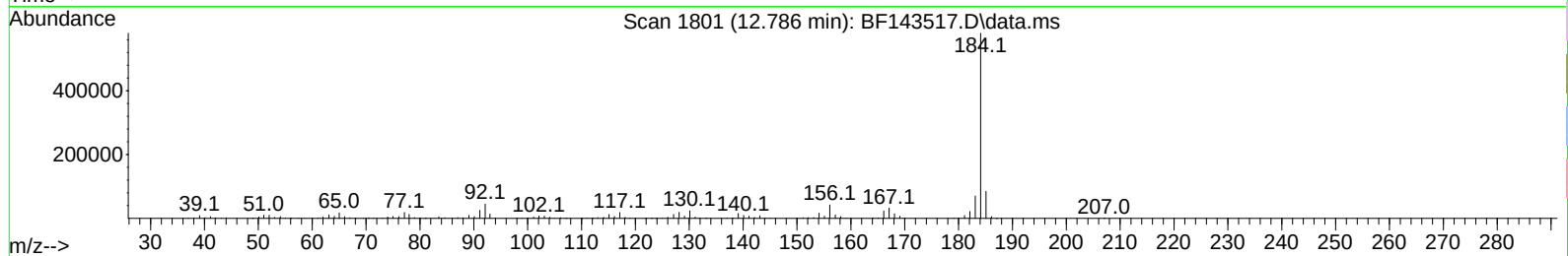
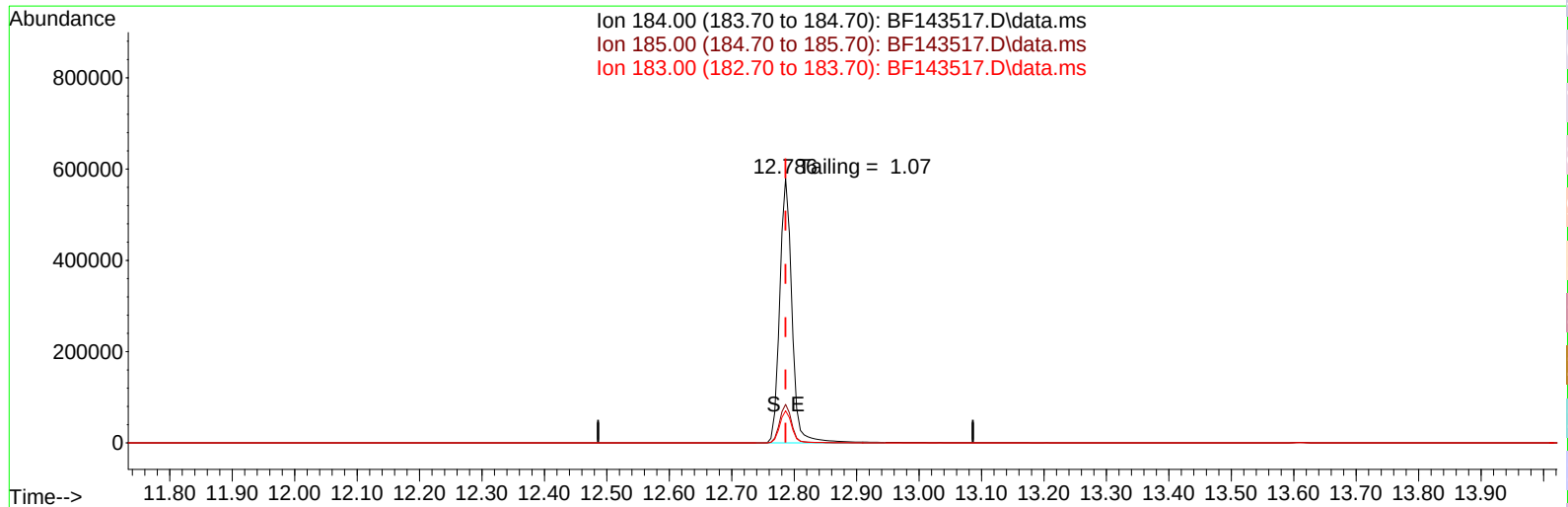
response 160887

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.52
264.00	62.30	62.15
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143517.D
Acq On : 21 Aug 2025 08:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 08:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



TIC: BF143517.D\data.ms

(77) Benzidine

12.786min (+ 0.000) 116738.94 ng

response 796205

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.54
183.00	11.90	12.13
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

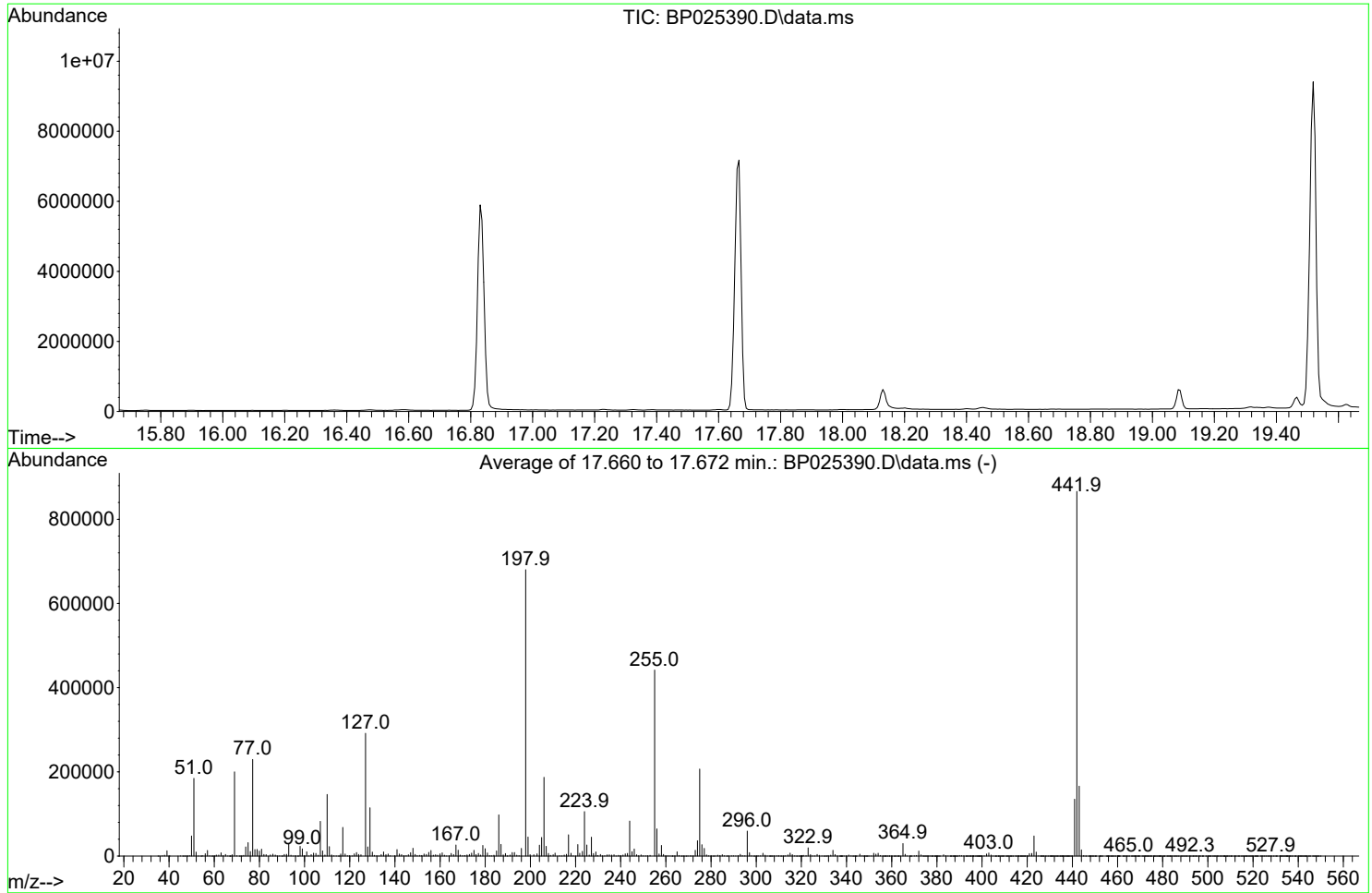
Date	Instrument Name	DFTPP Data File
8/21/2025	BNA_F	<u>BF143517.D</u>
Compound Name	Response	Retention Time
DDT	346568	13.61
DDD	14042	13.31
DDE	896	12.974
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
14938	361506	4.13

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



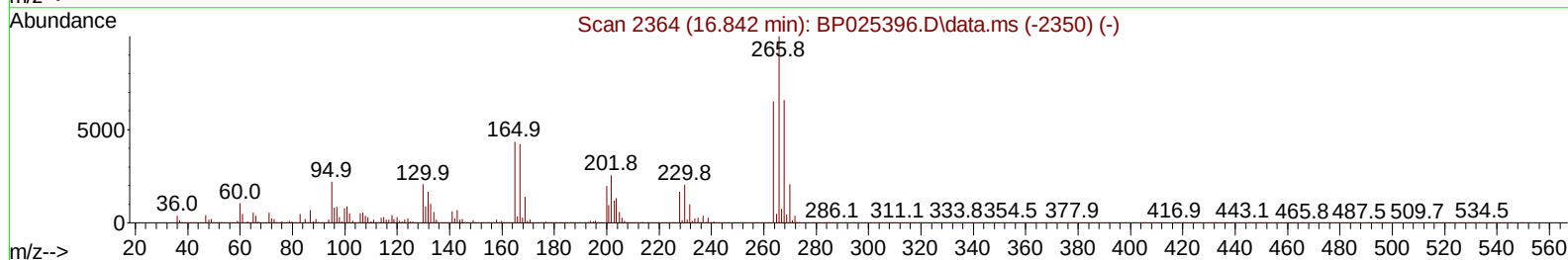
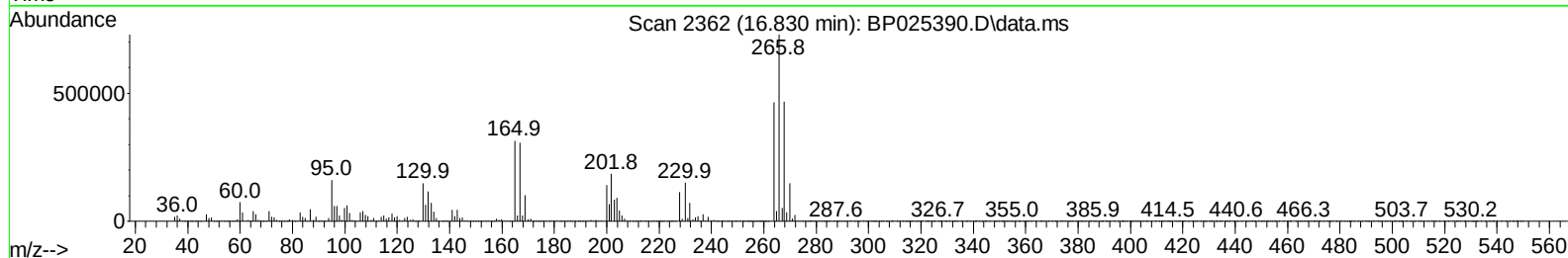
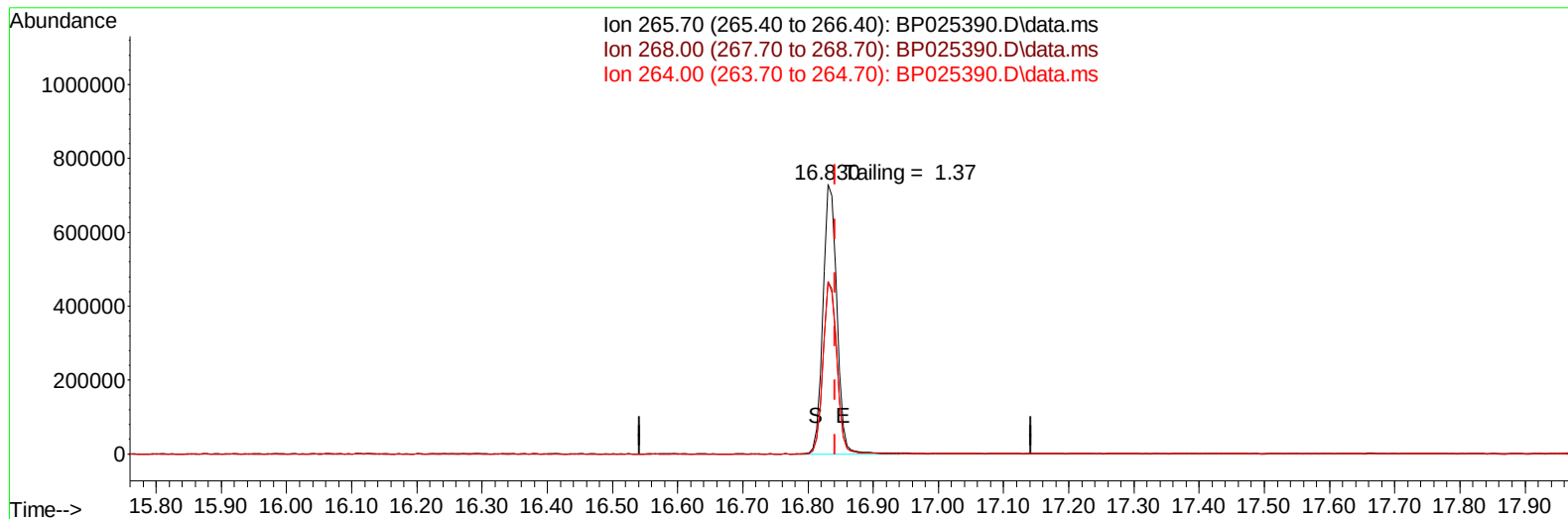
AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2494

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.6	3290	PASS
69	69	100	100	100.0	199967	PASS
70	69	0.00	2	0.4	716	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	680138	PASS
199	198	5	9	6.7	45247	PASS
365	198	1	100	4.4	29981	PASS
441	443	0.01	150	81.3	135091	PASS
442	442	100	100	100.0	866023	PASS
443	442	15	24	19.2	166133	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 18:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025390.D\data.ms

(70) Pentachlorophenol (C)

16.830min (-0.012) 61985.64 ng

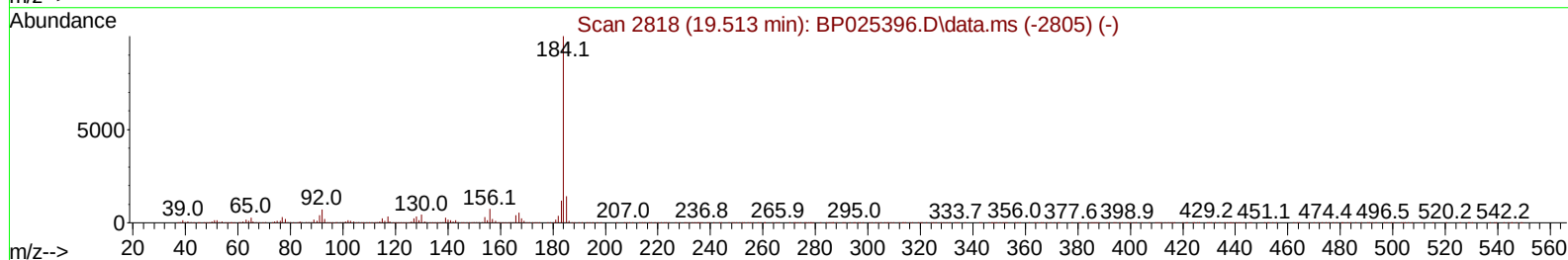
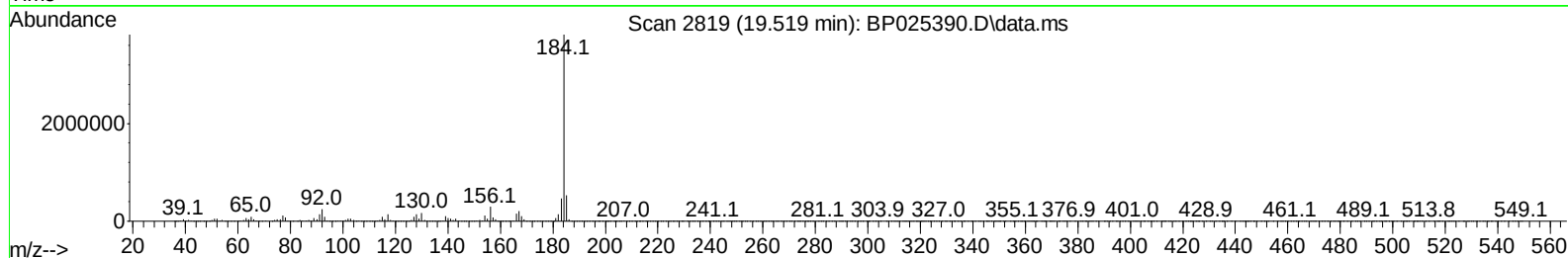
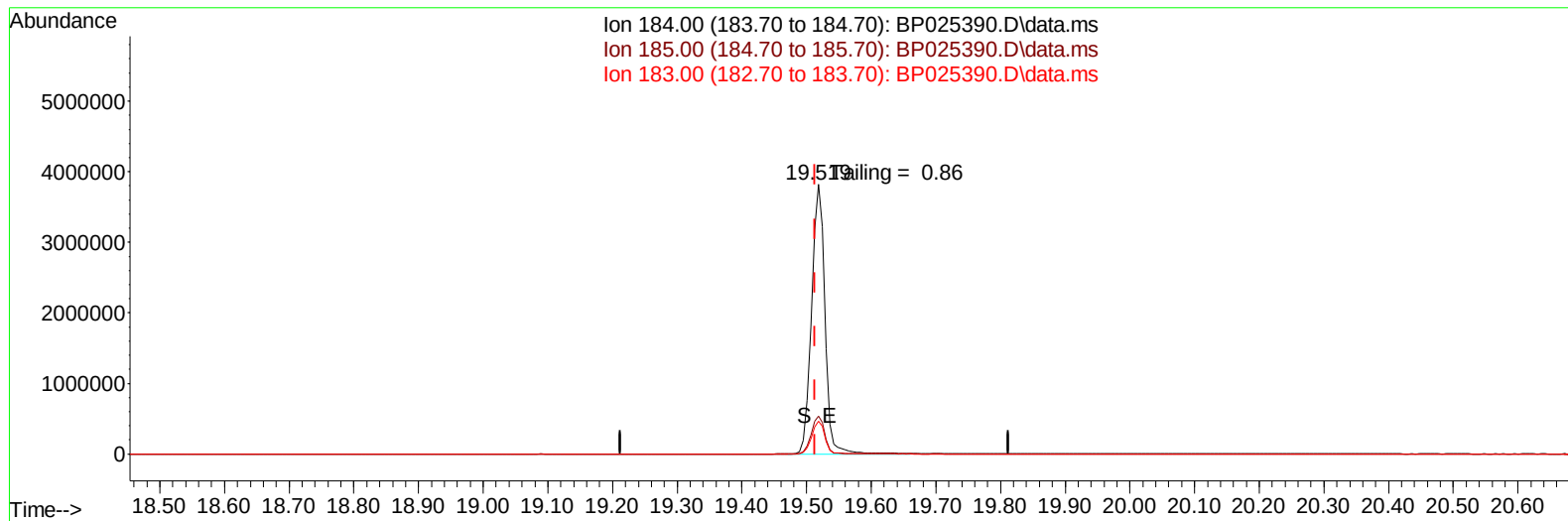
response 1096483

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.04
264.00	65.00	63.79
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 18:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025390.D\data.ms

(77) Benzidine

19.519min (+ 0.006) 64482.34 ng

response 5499416

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.03
183.00	11.80	12.10
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

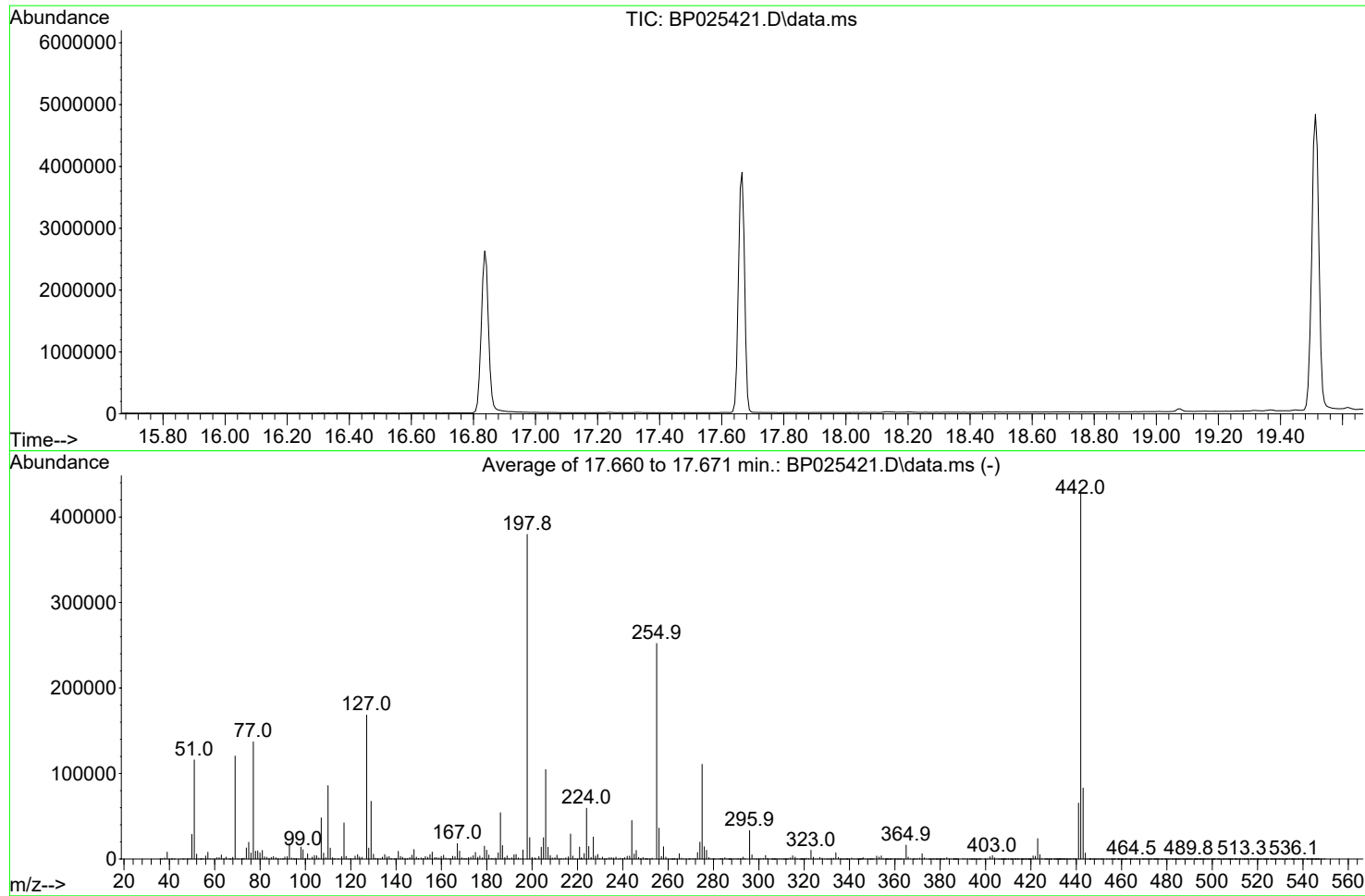
Date	Instrument Name	DFTPP Data File
8/14/2025	BNA_P	<u>BP025390.D</u>
Compound Name	Response	Retention Time
DDT	2976098	20.818
DDD	52170	20.407
DDE	9165	19.824
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
61335	3037433	2.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025421.D
Acq On : 15 Aug 2025 09:55
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



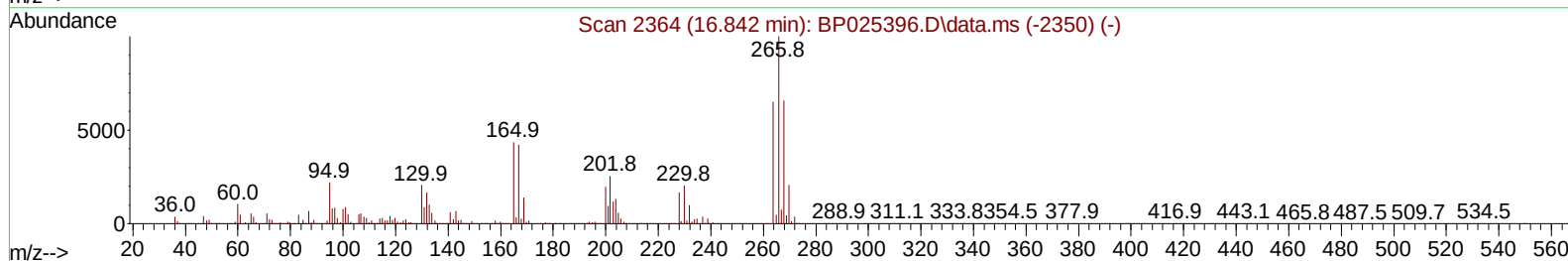
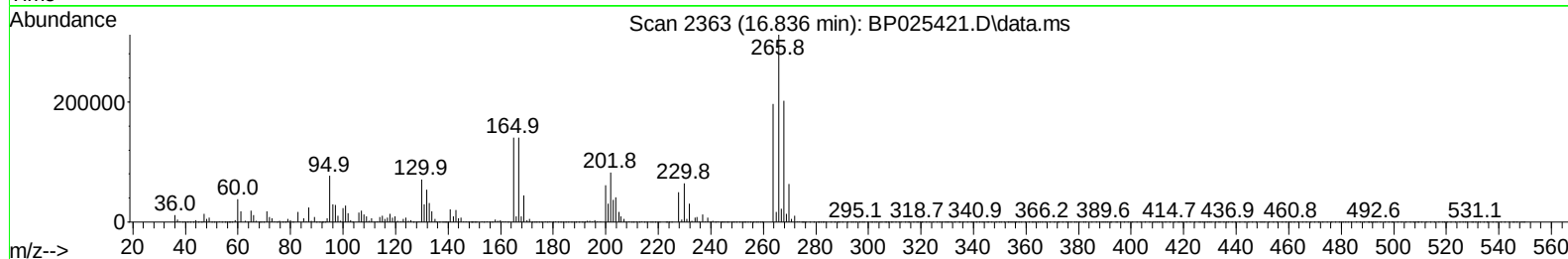
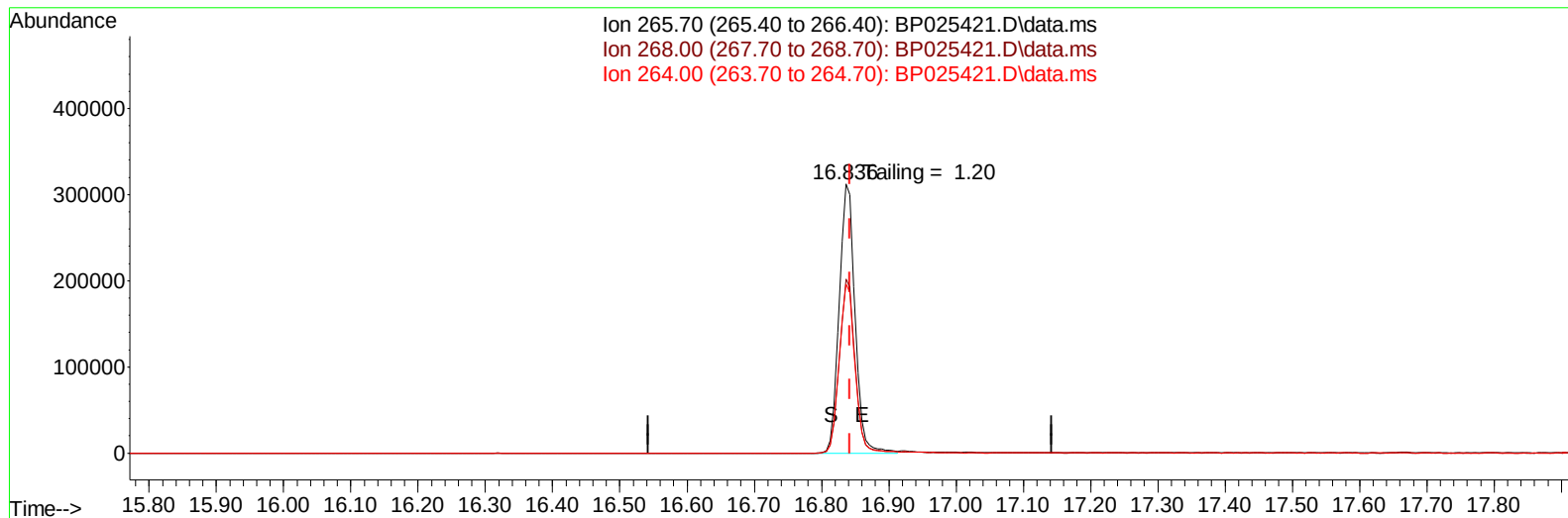
AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2494

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	2159	PASS
69	69	100	100	100.0	120418	PASS
70	69	0.00	2	0.5	621	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	379747	PASS
199	198	5	9	6.6	25040	PASS
365	198	1	100	4.3	16274	PASS
441	443	0.01	150	78.6	65352	PASS
442	442	100	100	100.0	427047	PASS
443	442	15	24	19.5	83115	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025421.D
Acq On : 15 Aug 2025 09:55
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 15 11:28:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025421.D\data.ms

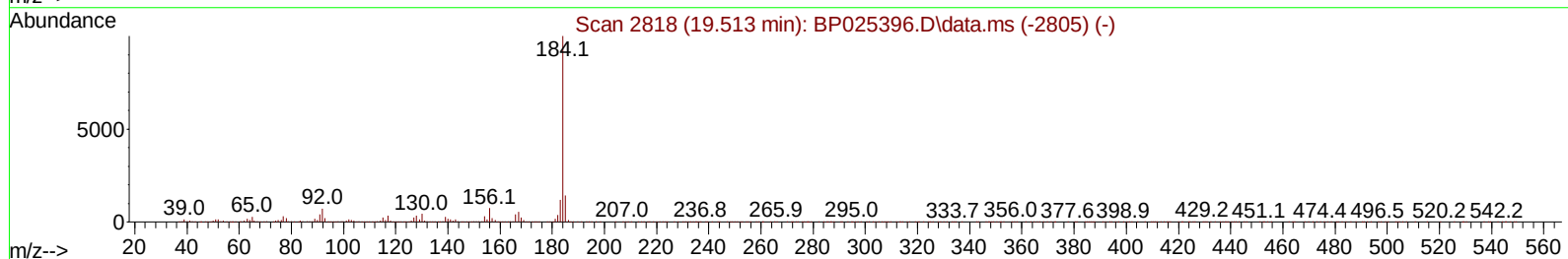
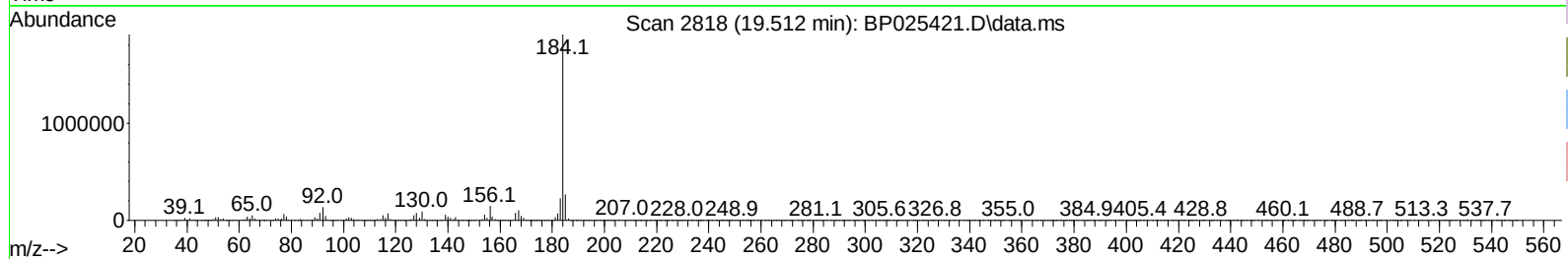
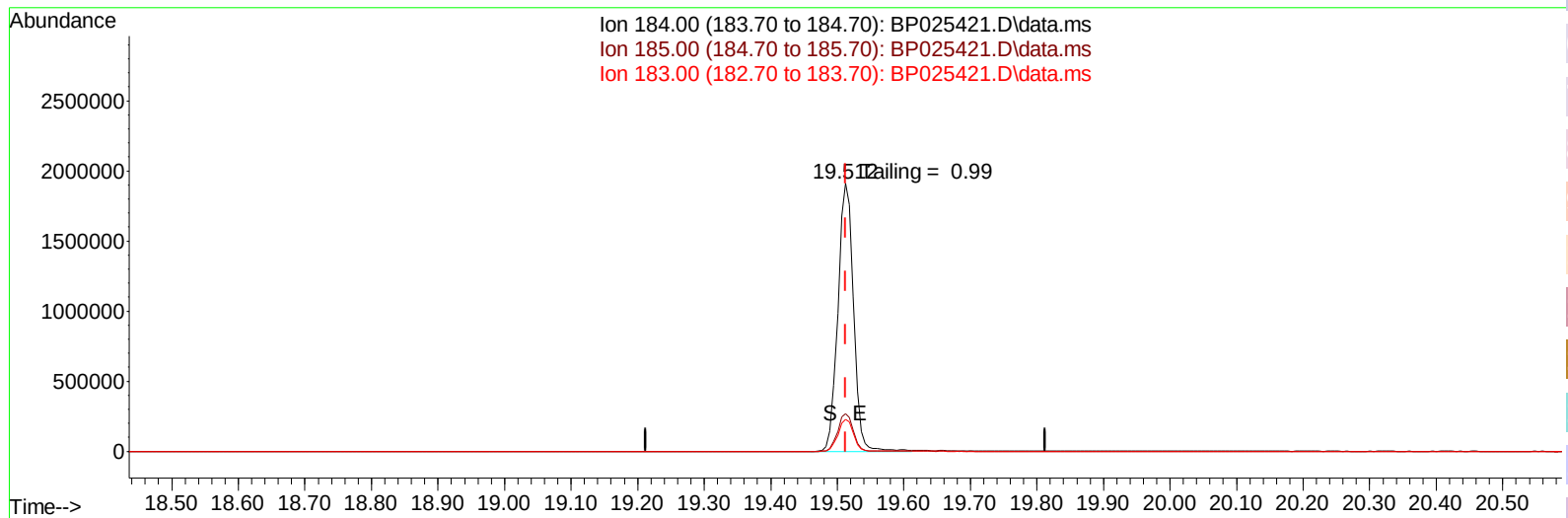
(70) Pentachlorophenol (C)**16.836min (-0.006) 99008.85 ng****response 510758**

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.63
264.00	65.00	62.91
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025421.D
Acq On : 15 Aug 2025 09:55
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 15 11:28:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025421.D\data.ms

(77) Benzidine**19.512min (-0.000) 55650.72 ng****response 3124253**

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.04
183.00	11.80	11.97
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

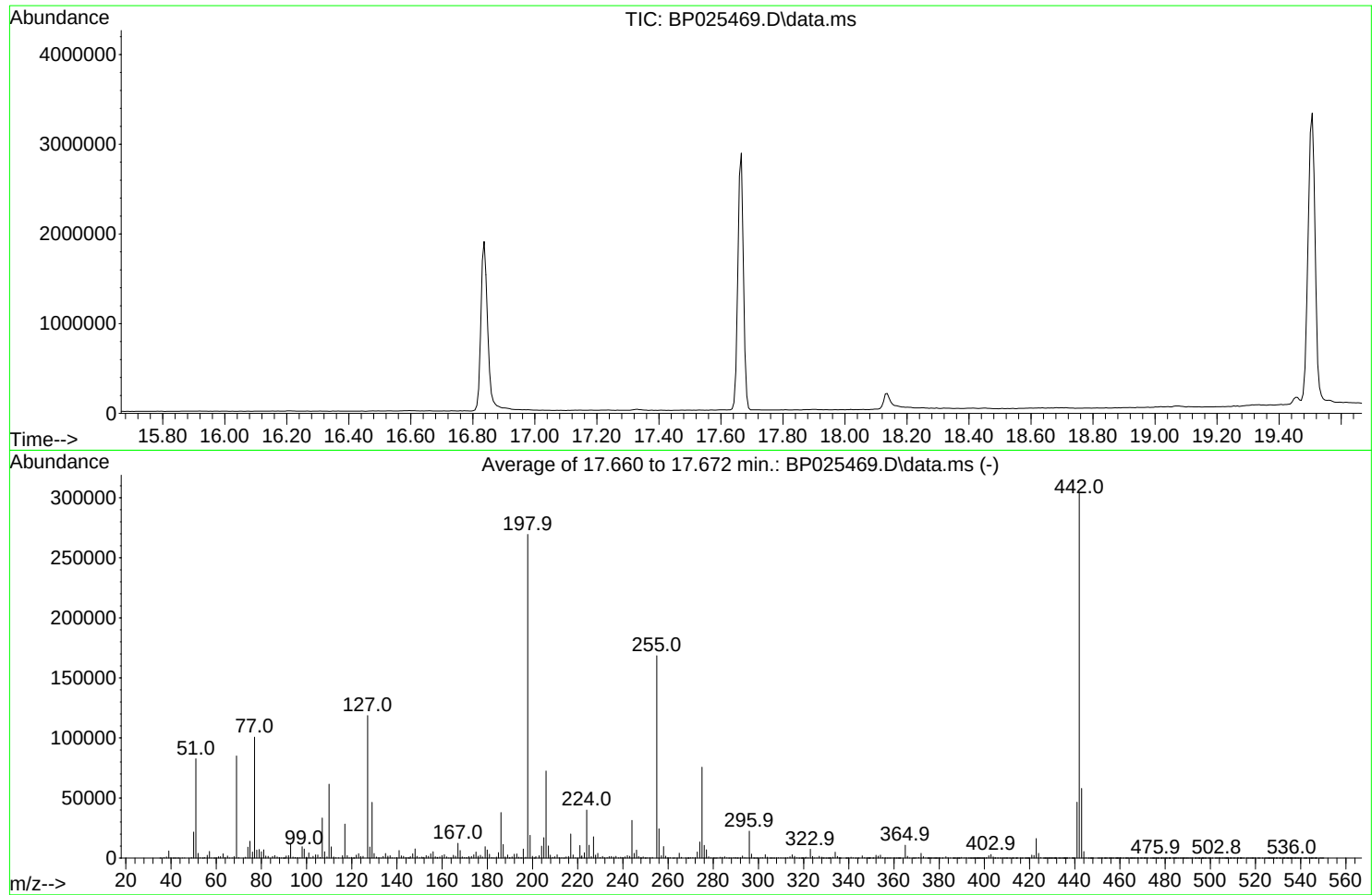
Date	Instrument Name	DFTPP Data File
8/15/2025	BNA_P	<u>BP025421.D</u>
Compound Name	Response	Retention Time
DDT	1519310	20.812
DDD	29585	20.348
DDE	4915	19.818
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
34500	1553810	2.22

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025469.D
Acq On : 19 Aug 2025 10:03
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



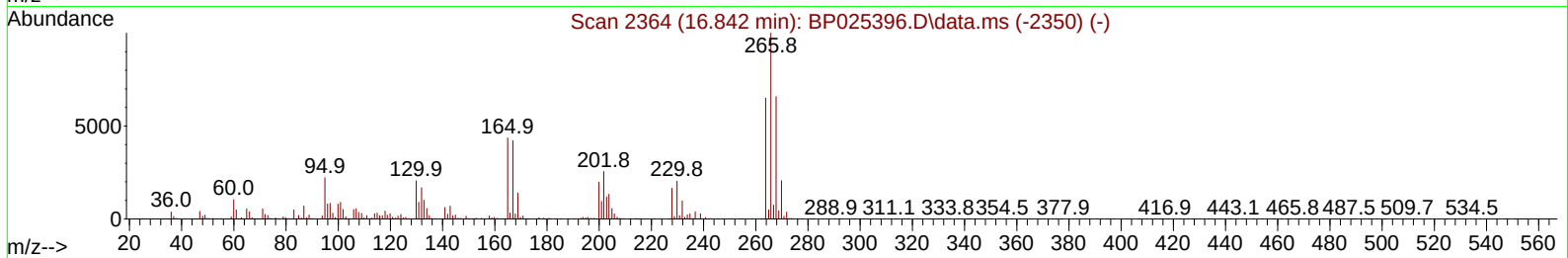
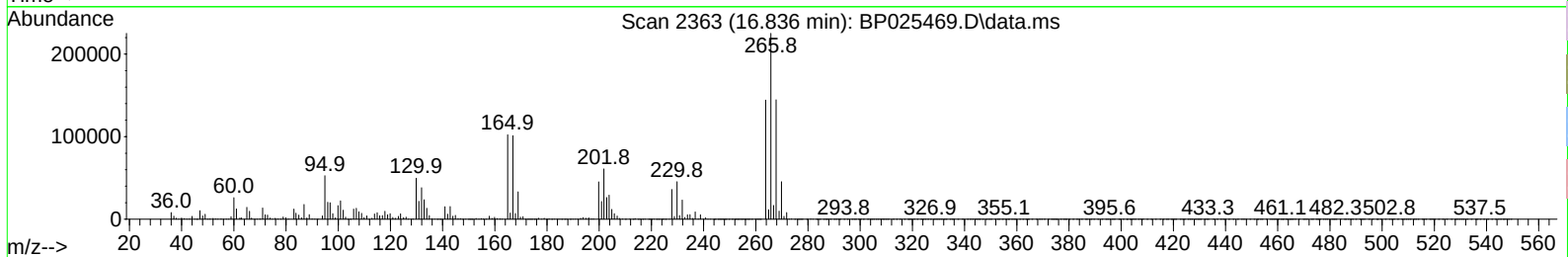
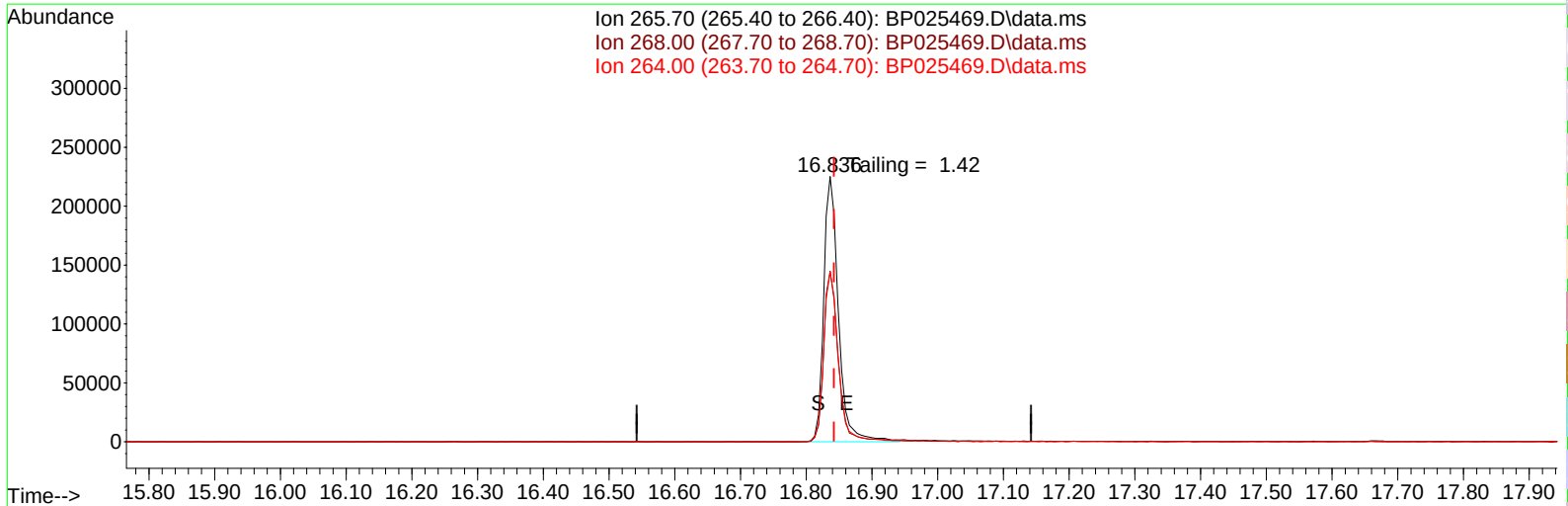
AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2495

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.5	1264	PASS
69	69	100	100	100.0	85071	PASS
70	69	0.00	2	0.4	346	PASS
197	198	0.00	2	0.3	784	PASS
198	198	100	100	100.0	269485	PASS
199	198	5	9	7.0	18925	PASS
365	198	1	100	4.0	10734	PASS
441	443	0.01	150	80.2	46560	PASS
442	442	100	100	100.0	303675	PASS
443	442	15	24	19.1	58026	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025469.D
Acq On : 19 Aug 2025 10:03
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 19 12:14:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025469.D\data.ms

(70) Pentachlorophenol (C)

16.836min (-0.006) 311283.12 ng

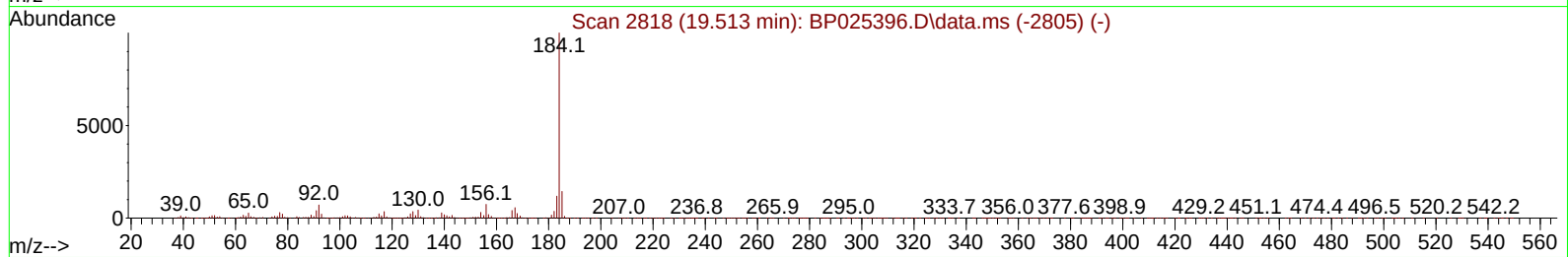
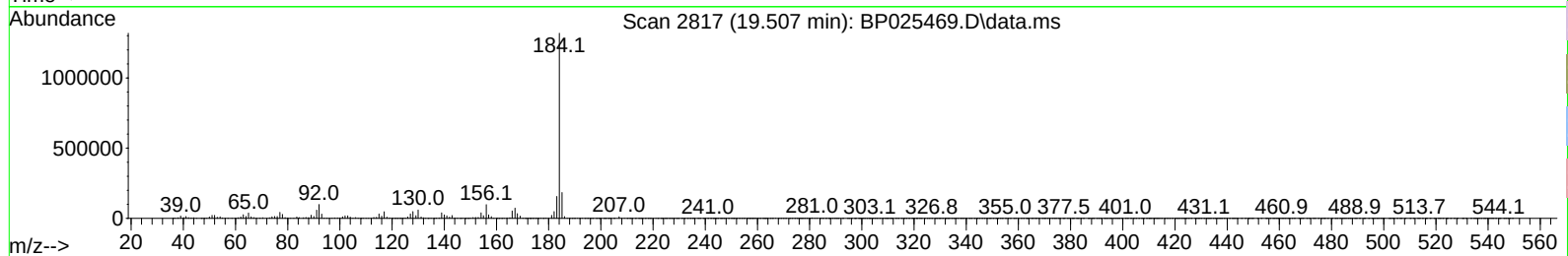
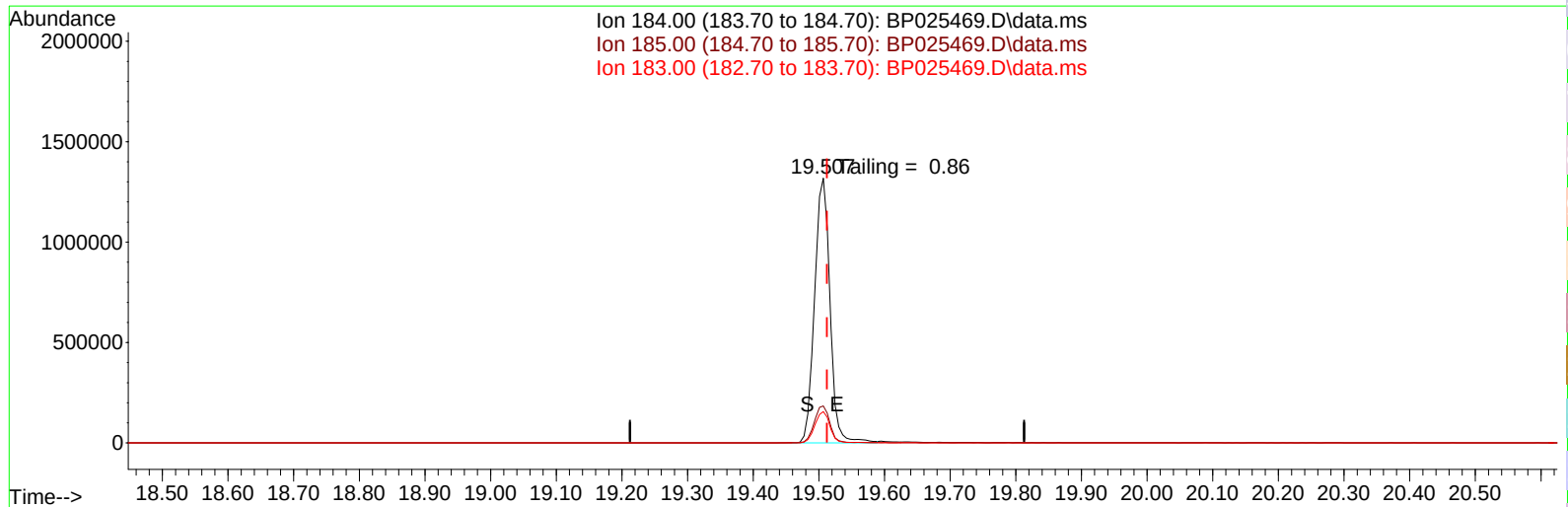
response 350725

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.27
264.00	65.00	64.07
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025469.D
Acq On : 19 Aug 2025 10:03
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 19 12:14:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025469.D\data.ms

(77) Benzidine

19.507min (-0.006) 183825.79 ng

response 2158114

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.98
183.00	11.80	11.82
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

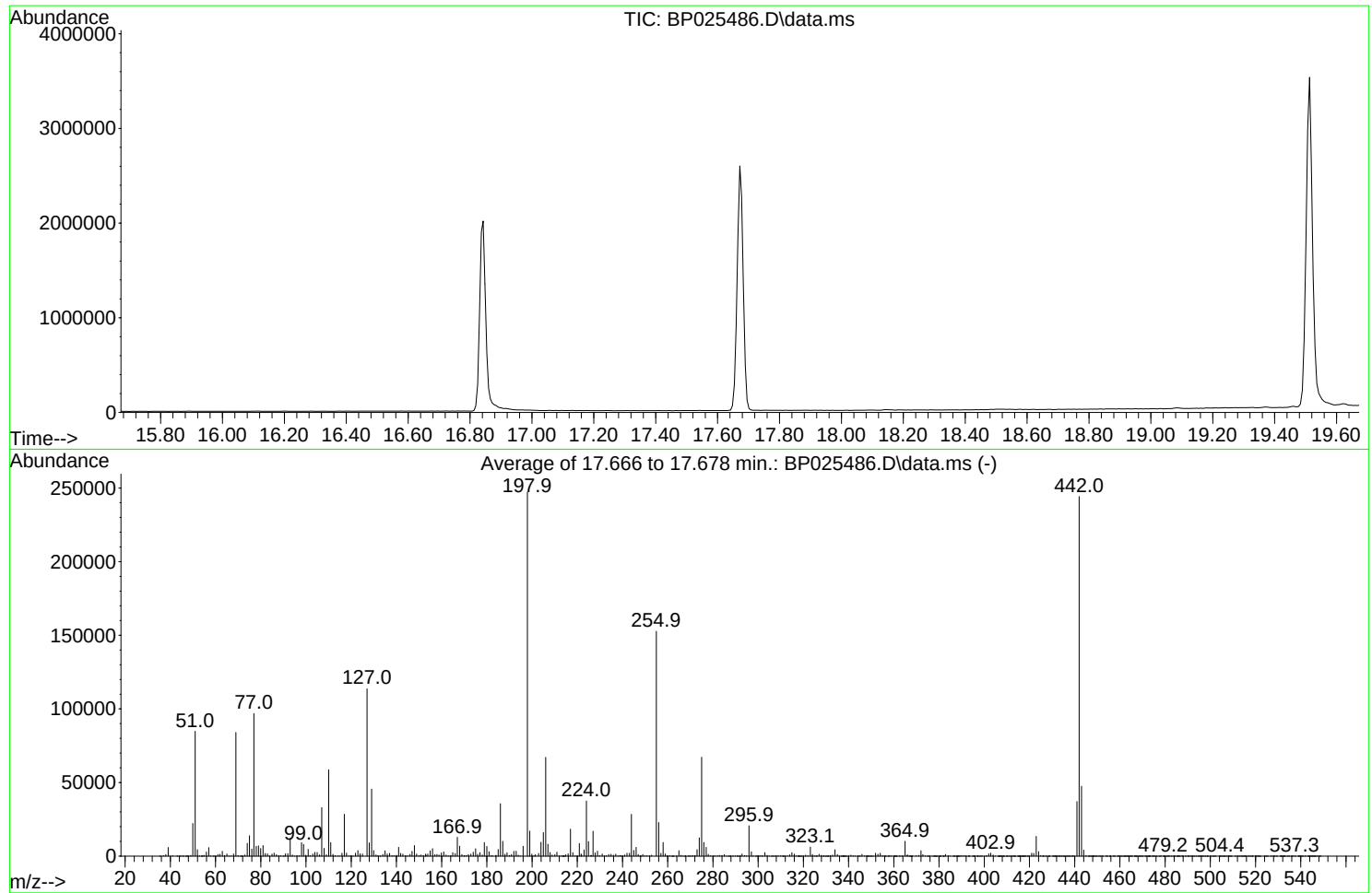
Date	Instrument Name	DFTPP Data File
8/19/2025	BNA_P	<u>BP025469.D</u>
Compound Name	Response	Retention Time
DDT	1098473	20.807
DDD	16608	20.348
DDE	3876	19.819
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
20484	1118957	1.83

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025486.D
Acq On : 19 Aug 2025 23:05
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



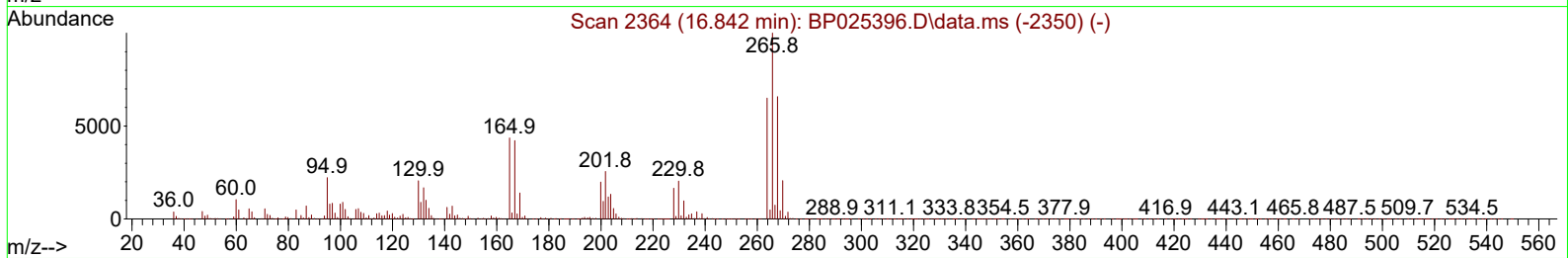
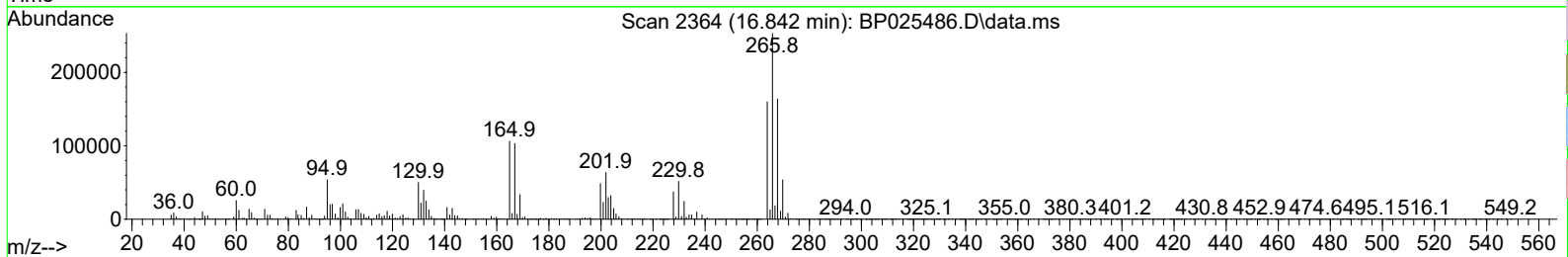
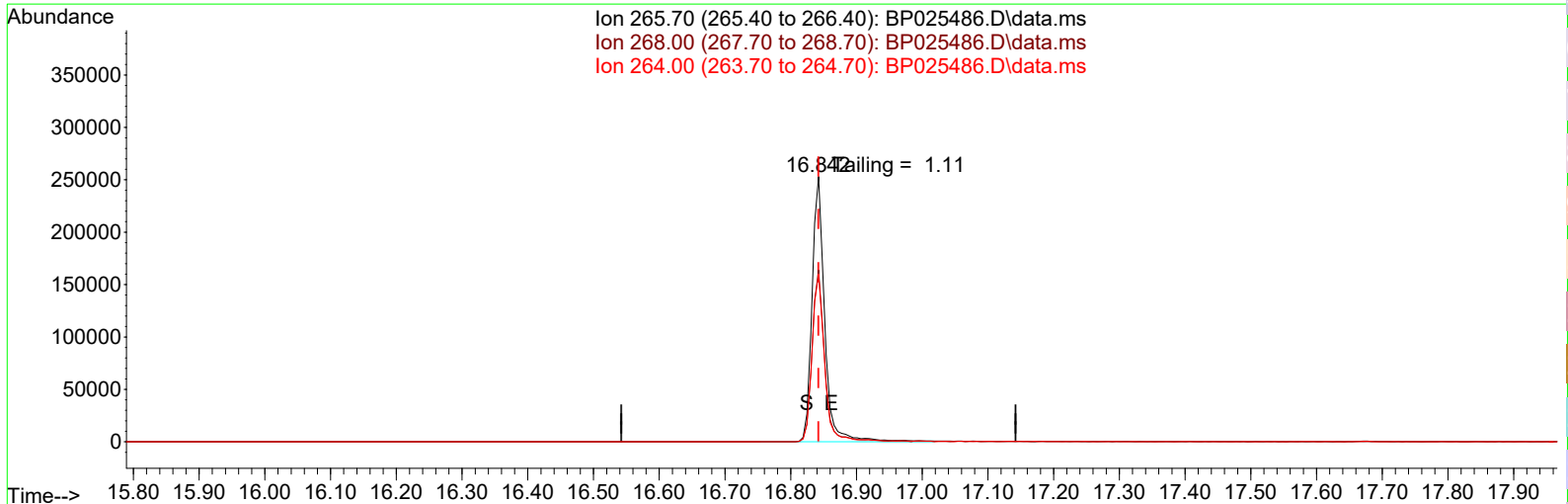
AutoFind: Scans 2504, 2505, 2506; Background Corrected with Scan 2490

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	1538	PASS
69	69	100	100	100.0	83998	PASS
70	69	0.00	2	0.5	443	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	247117	PASS
199	198	5	9	6.9	17035	PASS
365	198	1	100	4.1	10085	PASS
441	443	0.01	150	78.2	37107	PASS
442	442	100	100	100.0	244224	PASS
443	442	15	24	19.4	47432	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025486.D
Acq On : 19 Aug 2025 23:05
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 20 02:50:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025486.D\data.ms

(70) Pentachlorophenol (C)

16.842min (+ 0.000) 158046.45 ng

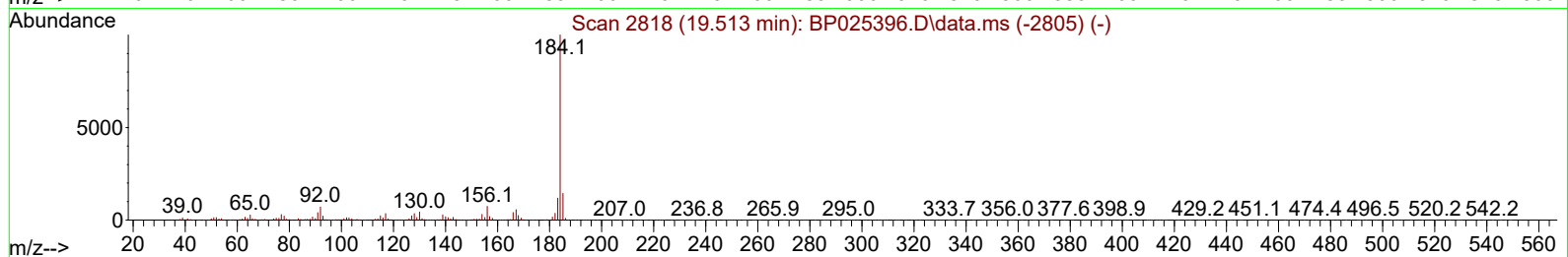
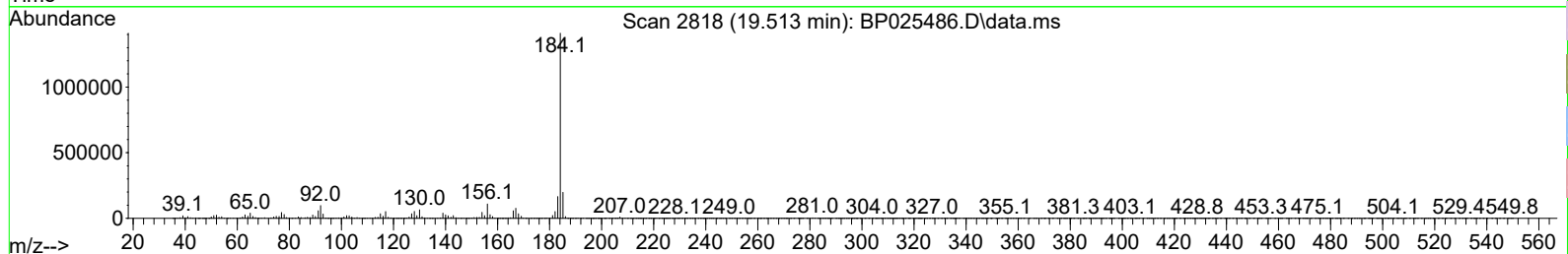
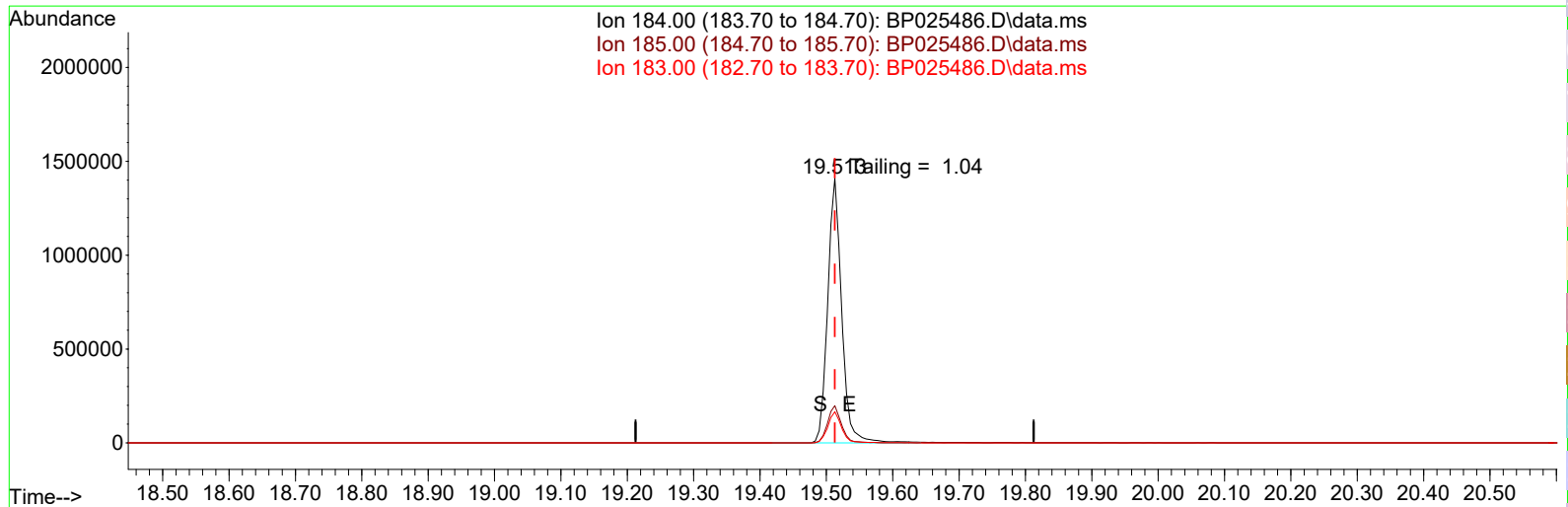
response 338337

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.68
264.00	65.00	63.19
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025486.D
Acq On : 19 Aug 2025 23:05
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 20 02:50:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025486.D\data.ms

(77) Benzidine

19.513min (+ 0.000) 55037.12 ng

response 2058618

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.07
183.00	11.80	11.73
0.00	0.00	0.00

DDT Breakdown

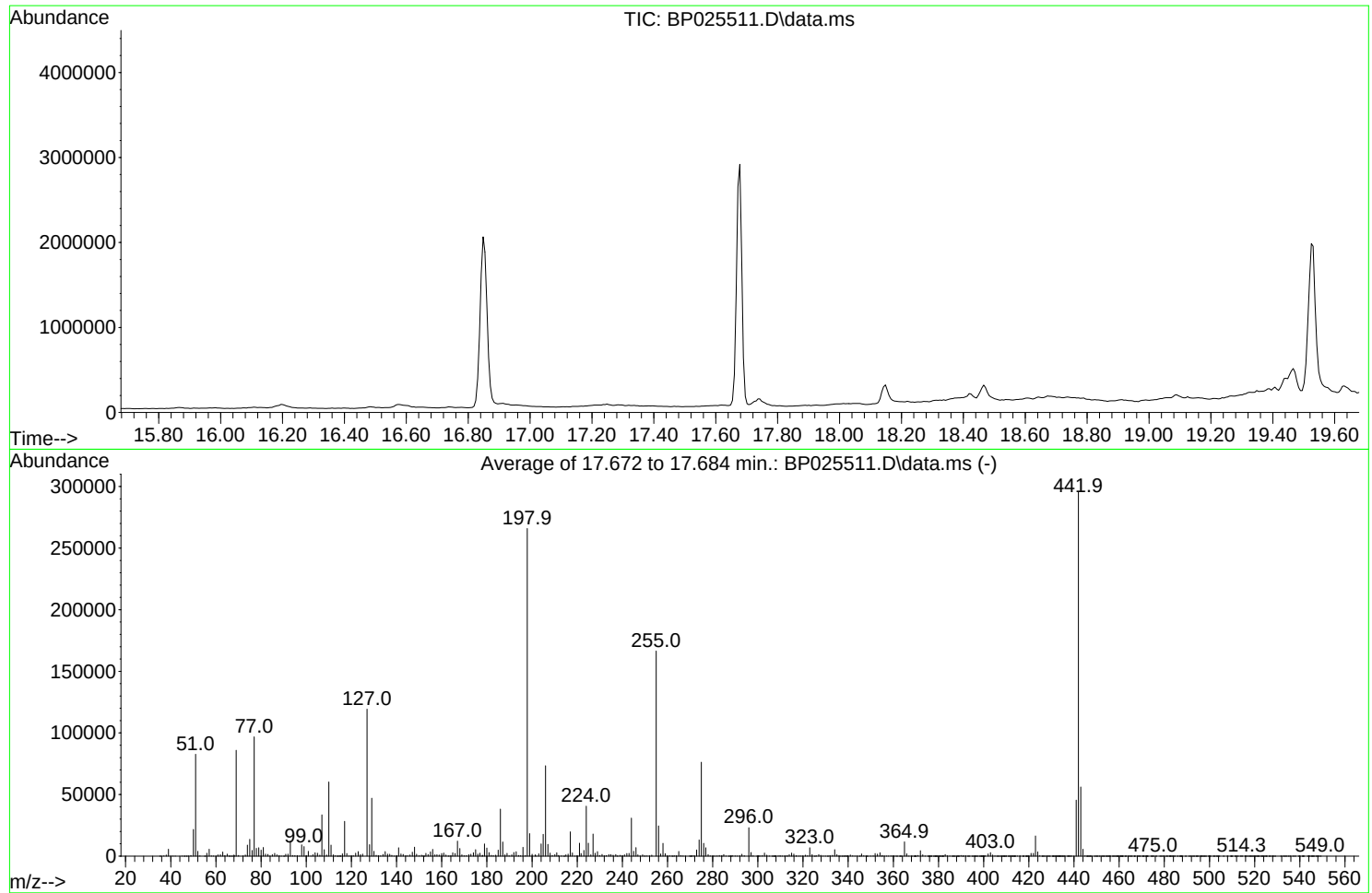
Date	Instrument Name	DFTPP Data File
8/19/2025	BNA_P	<u>BP025486.D</u>
Compound Name	Response	Retention Time
DDT	1027414	20.807
DDD	15935	20.342
DDE	3495	19.83
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
19430	1046844	1.86

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025511.D
Acq On : 20 Aug 2025 17:04
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



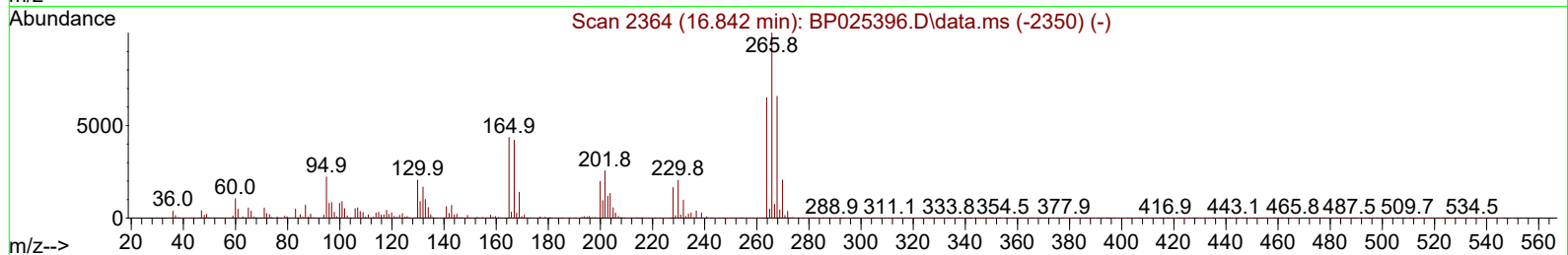
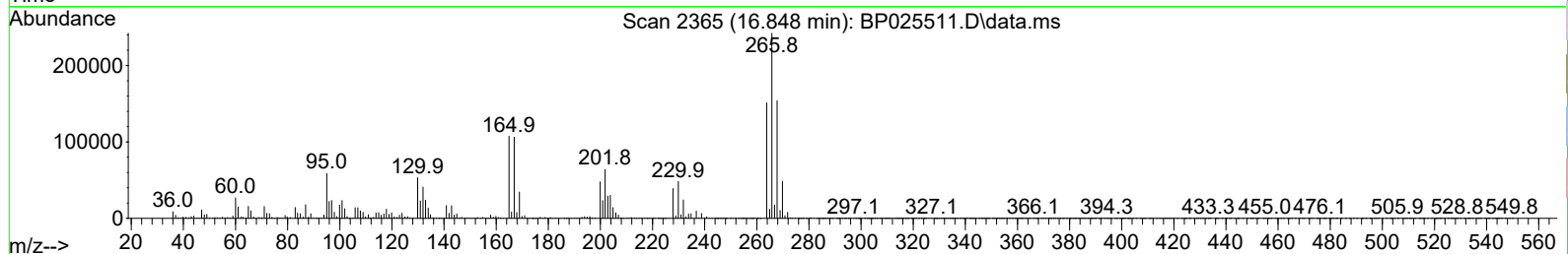
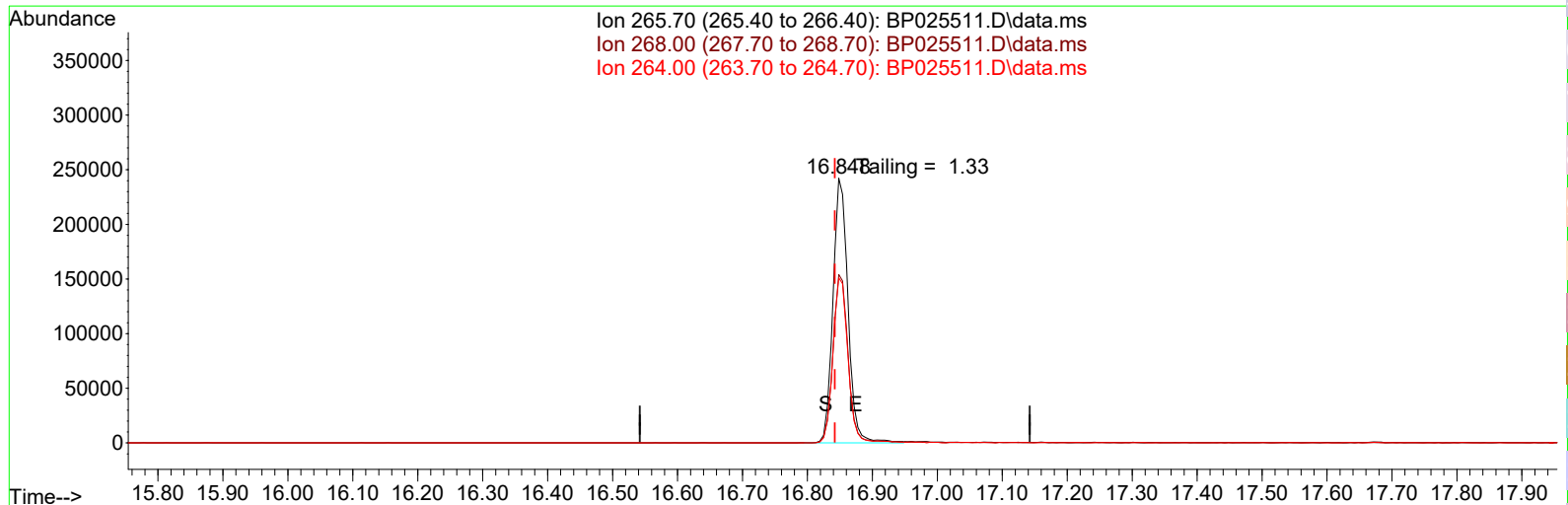
AutoFind: Scans 2505, 2506, 2507; Background Corrected with Scan 2494

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.1	967	PASS
69	69	100	100	100.0	85970	PASS
70	69	0.00	2	0.7	593	PASS
197	198	0.00	2	0.2	540	PASS
198	198	100	100	100.0	265973	PASS
199	198	5	9	6.9	18267	PASS
365	198	1	100	4.4	11643	PASS
441	443	0.01	150	80.9	45462	PASS
442	442	100	100	100.0	295314	PASS
443	442	15	24	19.0	56176	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025511.D
Acq On : 20 Aug 2025 17:04
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 21 01:41:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025511.D\data.ms

(70) Pentachlorophenol (C)

16.848min (+ 0.006) 19981.54 ng

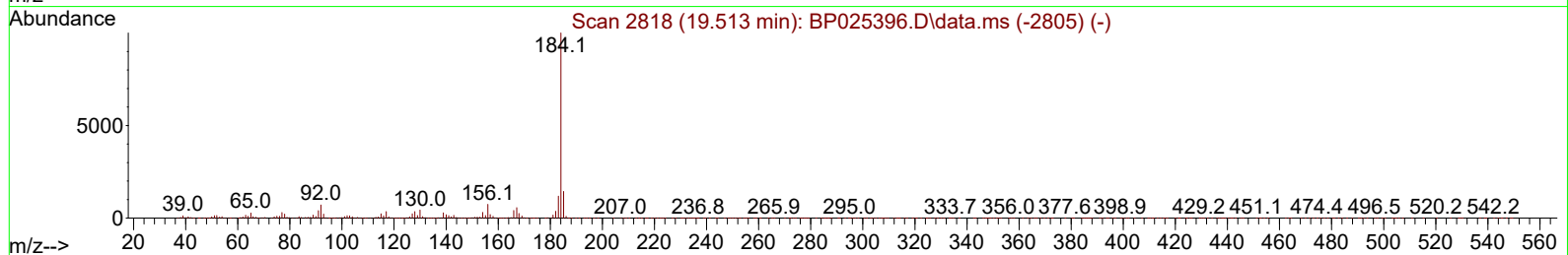
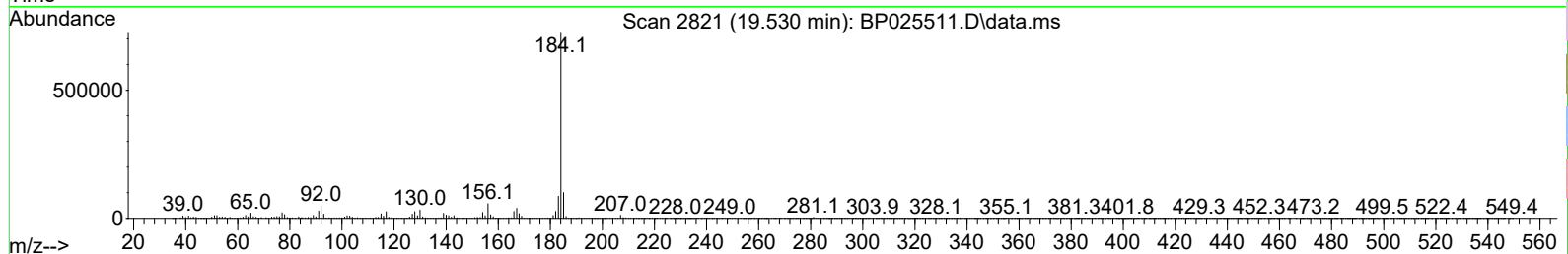
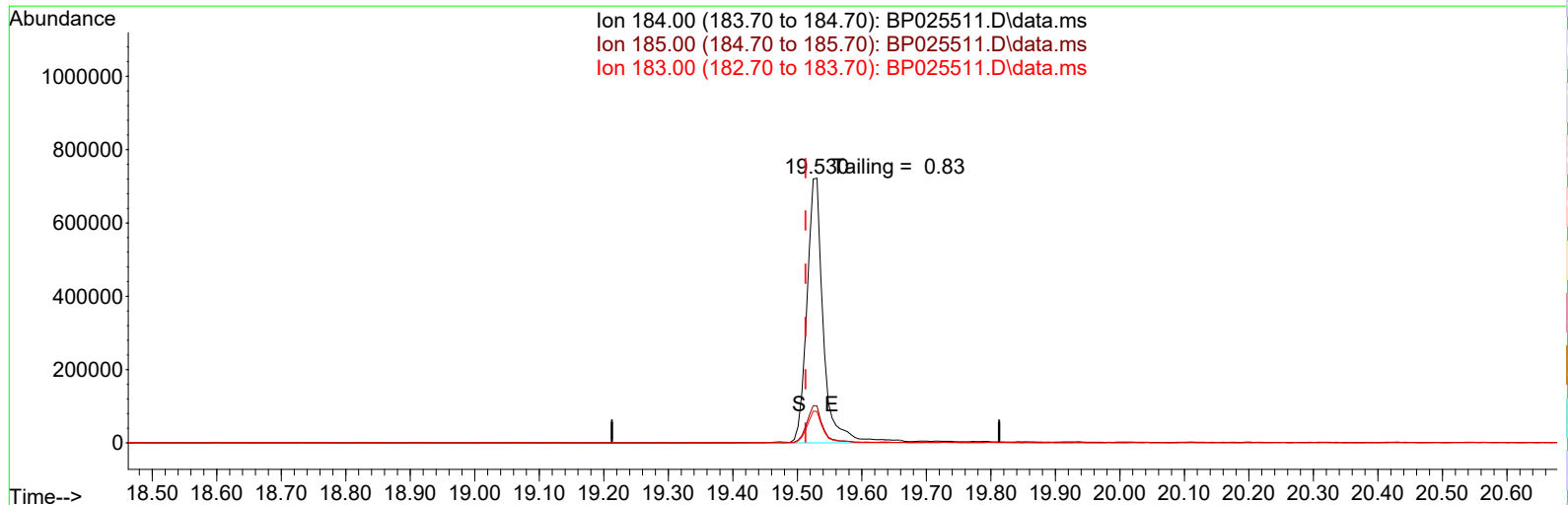
response 390285

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	63.60
264.00	65.00	62.36
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025511.D
Acq On : 20 Aug 2025 17:04
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 21 01:41:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



TIC: BP025511.D\data.ms

(77) Benzidine

19.530min (+ 0.018) 12499.23 ng

response 1286969

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.98
183.00	11.80	11.89
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/20/2025	BNA_P	<u>BP025511.D</u>
Compound Name	Response	Retention Time
DDT	1084945	20.825
DDD	23682	20.366
DDE	2473	19.836
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
26155	1111100	2.35

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169230BL	SDG No.:	Q2815
Lab Sample ID:	PB169230BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025423.D	1	08/12/25 11:39	08/15/25 11:17	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169230BL	SDG No.:	Q2815
Lab Sample ID:	PB169230BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025423.D	1	08/12/25 11:39	08/15/25 11:17	PB169230

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169230BL	SDG No.:	Q2815
Lab Sample ID:	PB169230BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025423.D	1	08/12/25 11:39	08/15/25 11:17	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124		19 - 119		83%	SPK: 150
13127-88-3	Phenol-d6	118		10 - 130		79%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.2		44 - 120		77%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.3		44 - 119		77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		43 - 140		85%	SPK: 150
1718-51-0	Terphenyl-d14	74.2		50 - 134		74%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	154000	7.79				
1146-65-2	Naphthalene-d8	595000	10.56				
15067-26-2	Acenaphthene-d10	376000	14.401				
1517-22-2	Phenanthrene-d10	774000	17.201				
1719-03-5	Chrysene-d12	885000	21.648				
1520-96-3	Perylene-d12	1010000	25.018				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.50	A			4.94	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169230BL	SDG No.:	Q2815
Lab Sample ID:	PB169230BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025423.D	1	08/12/25 11:39	08/15/25 11:17	PB169230

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025423.D
Acq On : 15 Aug 2025 11:17
Operator : CG/JU
Sample : PB169230BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169230BL

Quant Time: Aug 15 12:23:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	154254	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	595195	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	376083	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	774408	20.000	ng	0.00
76) Chrysene-d12	21.648	240	884552	20.000	ng	0.00
86) Perylene-d12	25.018	264	1011782	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1149849	123.793	ng	0.00
7) Phenol-d6	6.966	99	1408266	118.256	ng	0.00
23) Nitrobenzene-d5	8.931	82	907799	77.154	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	647097	127.831	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2127638	77.318	ng	0.00
79) Terphenyl-d14	19.919	244	3588103	74.215	ng	0.00

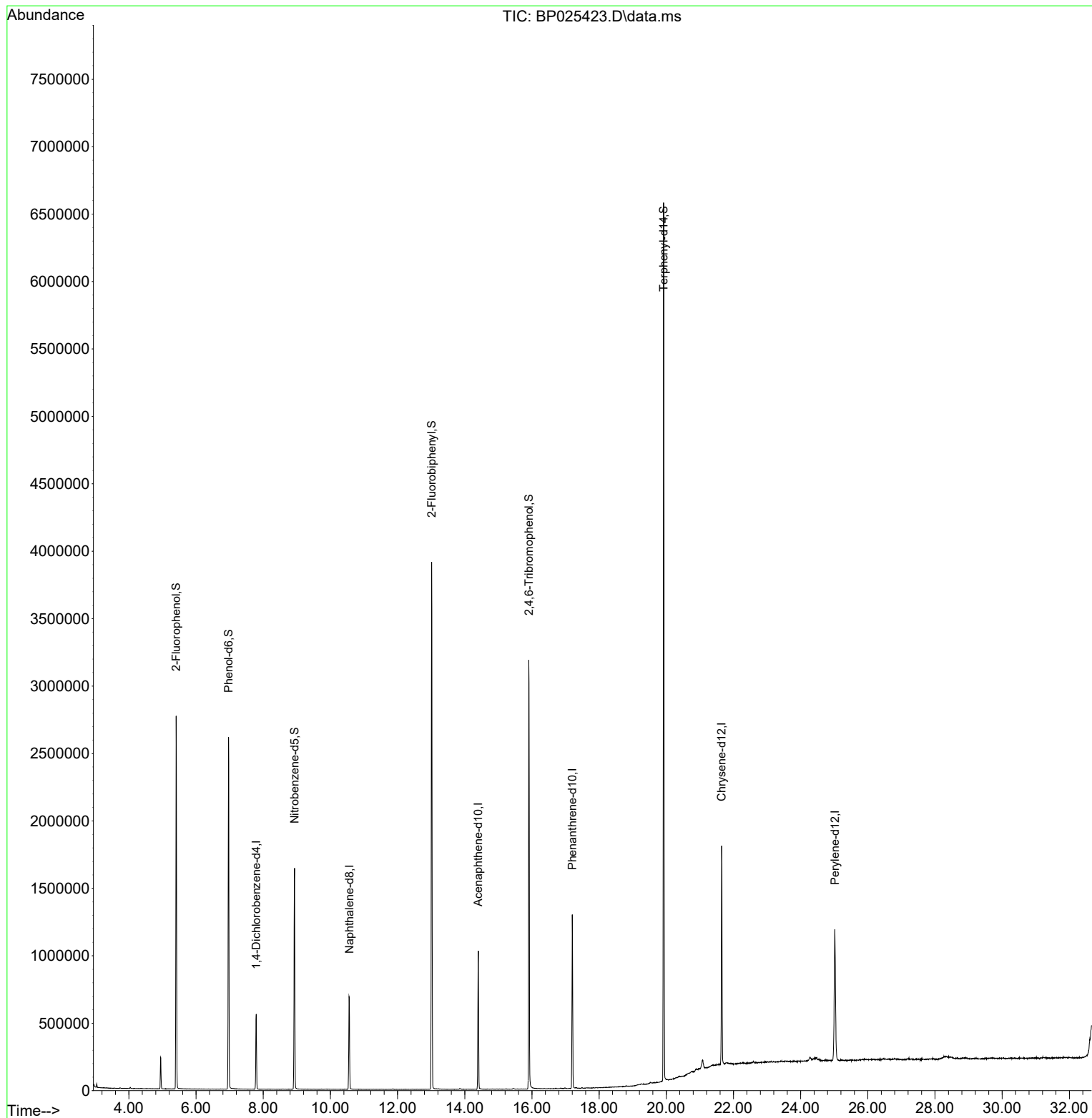
Target Compounds	Qvalue
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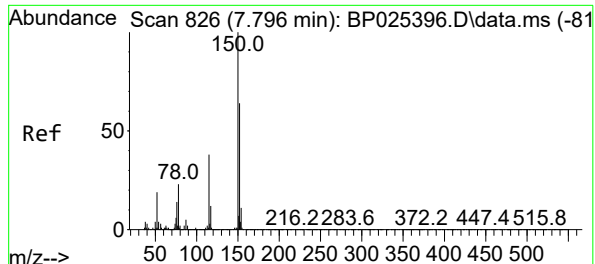
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025423.D
Acq On : 15 Aug 2025 11:17
Operator : CG/JU
Sample : PB169230BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169230BL

Quant Time: Aug 15 12:23:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

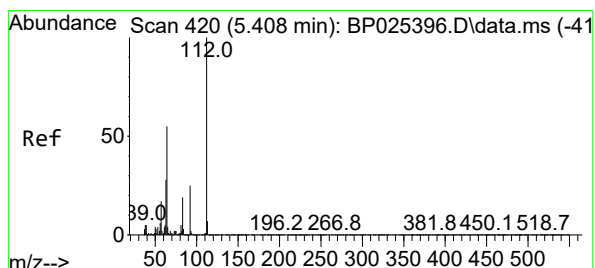
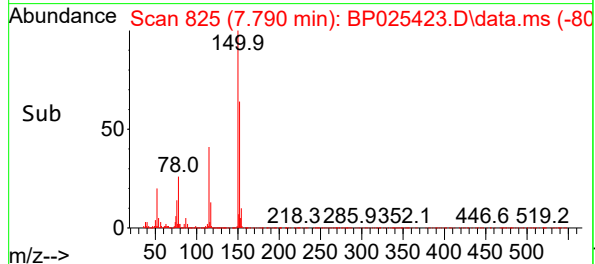
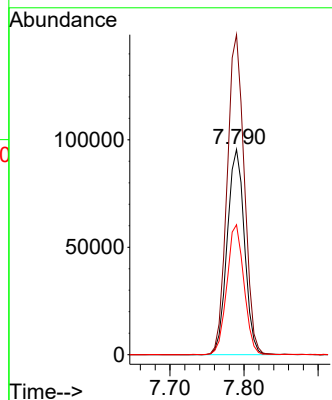
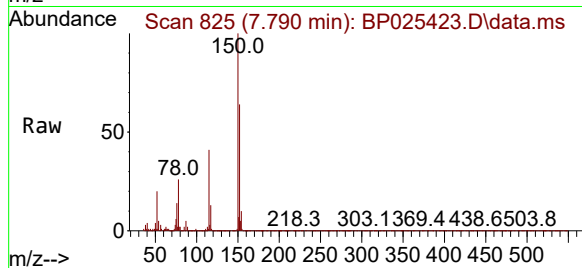




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025423.D
Acq: 15 Aug 2025 11:17

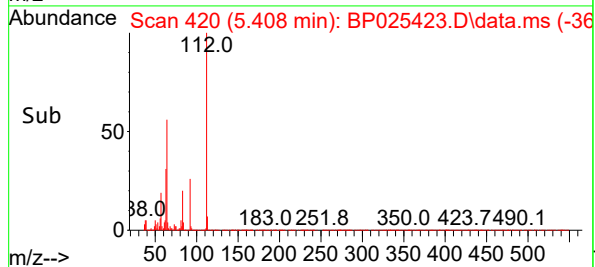
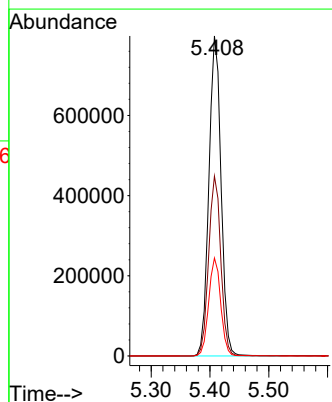
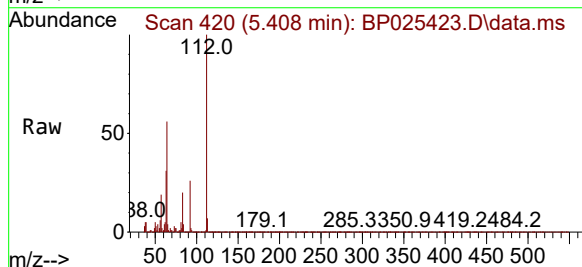
Instrument :
BNA_P
ClientSampleId :
PB169230BL

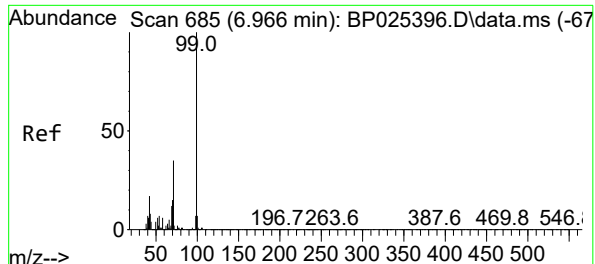
Tgt Ion:152 Resp: 154254
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 63.3 48.5 72.7



#5
2-Fluorophenol
Concen: 123.793 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025423.D
Acq: 15 Aug 2025 11:17

Tgt Ion:112 Resp: 1149849
Ion Ratio Lower Upper
112 100
64 56.2 43.8 65.8
63 30.6 22.7 34.1

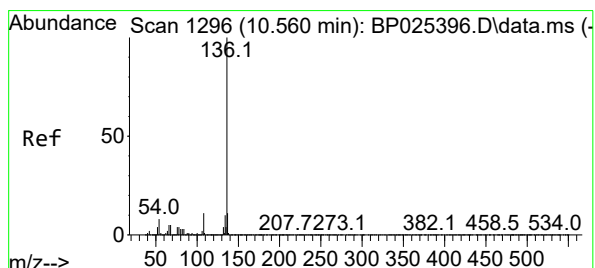
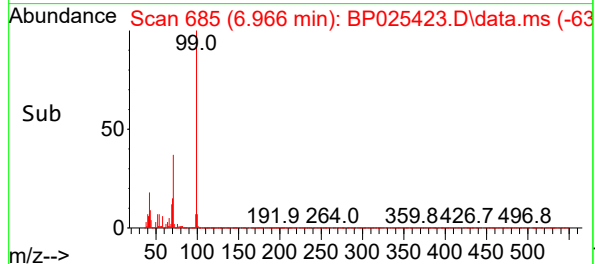
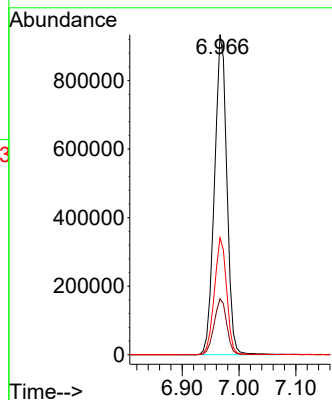
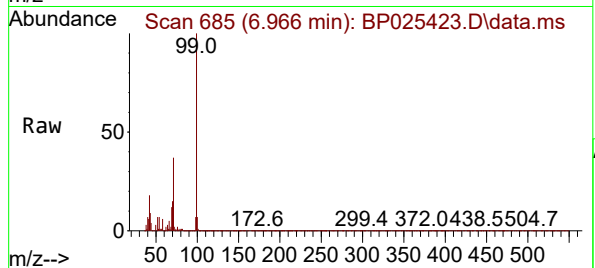




#7
Phenol-d6
Concen: 118.256 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025423.D
Acq: 15 Aug 2025 11:17

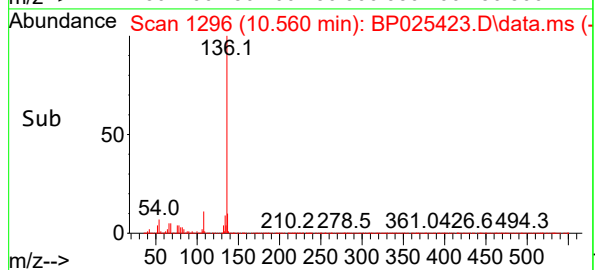
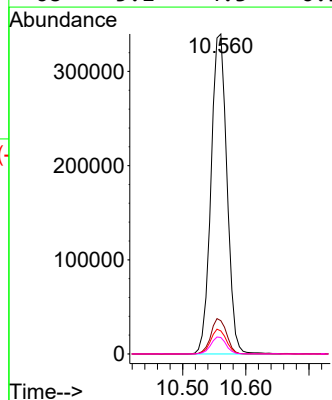
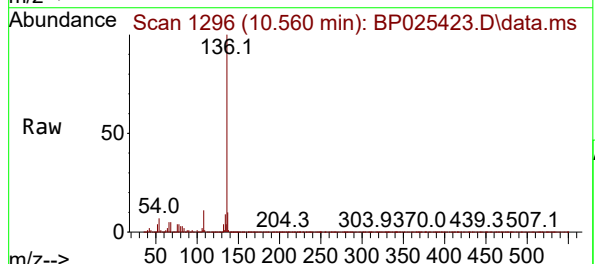
Instrument :
BNA_P
ClientSampleId :
PB169230BL

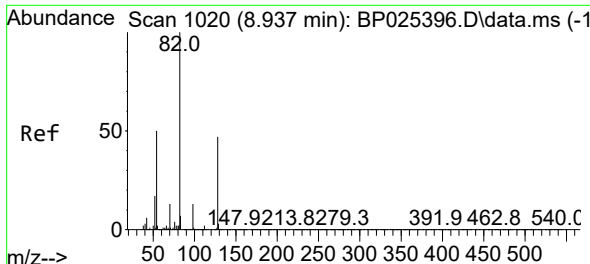
Tgt Ion: 99 Resp: 1408266
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 36.5 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025423.D
Acq: 15 Aug 2025 11:17

Tgt Ion: 136 Resp: 595195
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 7.2 6.0 9.0
68 5.1 4.3 6.5





#23

Nitrobenzene-d5

Concen: 77.154 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025423.D

Acq: 15 Aug 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB169230BL

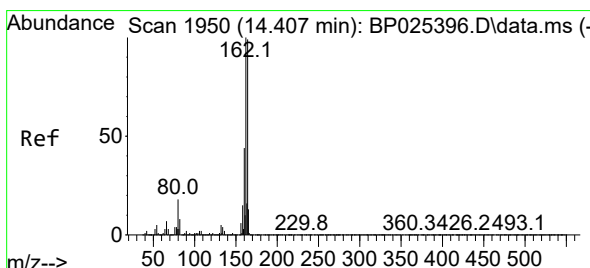
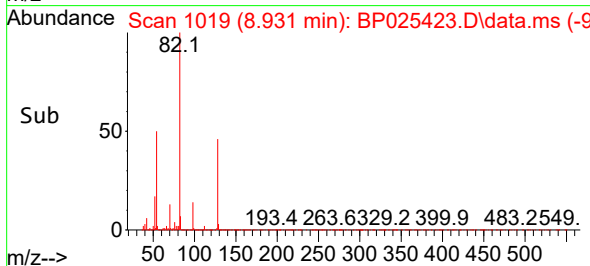
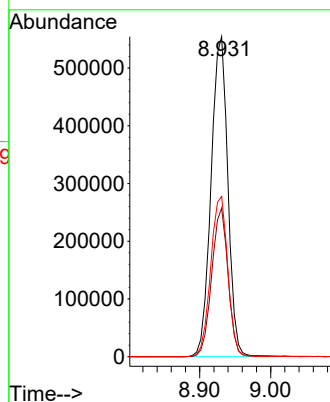
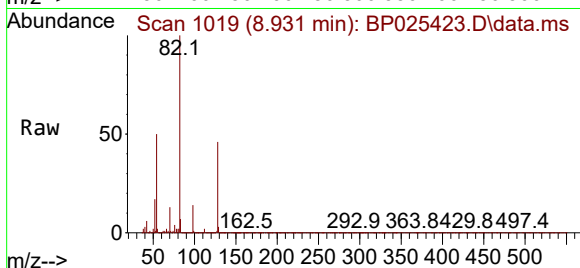
Tgt Ion: 82 Resp: 907799

Ion Ratio Lower Upper

82 100

128 46.4 37.7 56.5

54 50.1 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP025423.D

Acq: 15 Aug 2025 11:17

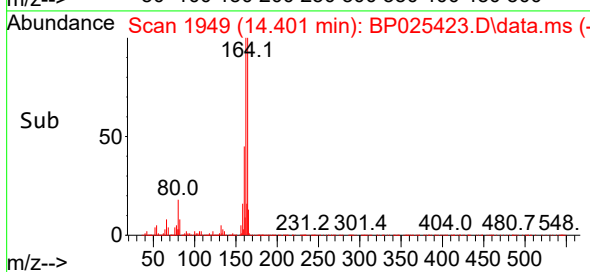
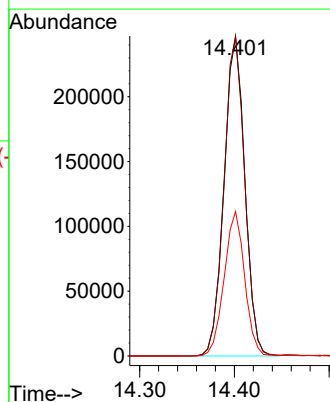
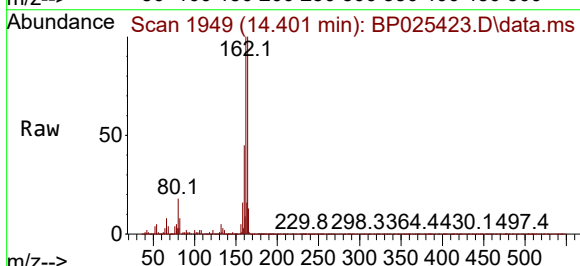
Tgt Ion: 164 Resp: 376083

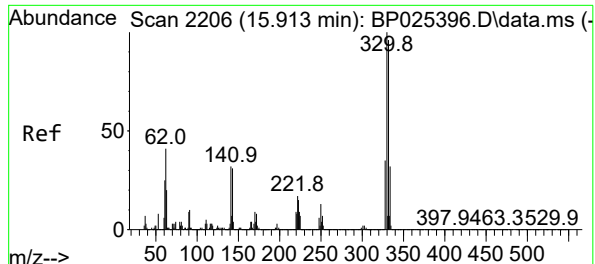
Ion Ratio Lower Upper

164 100

162 100.3 81.0 121.6

160 45.3 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 127.831 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025423.D

Acq: 15 Aug 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB169230BL

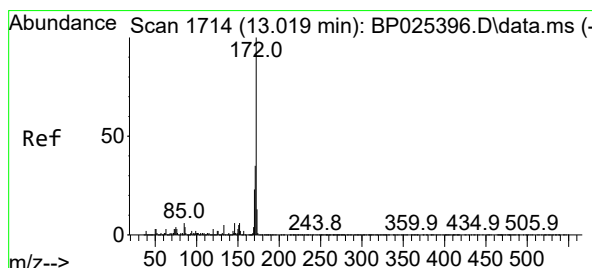
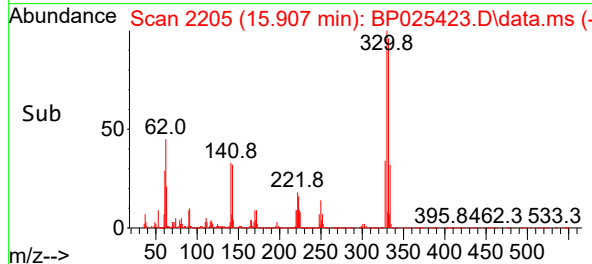
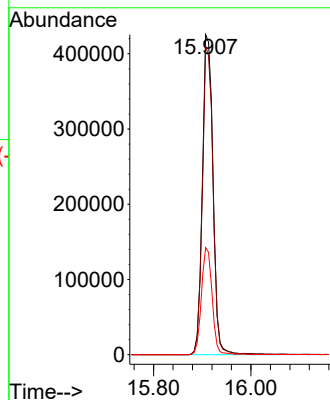
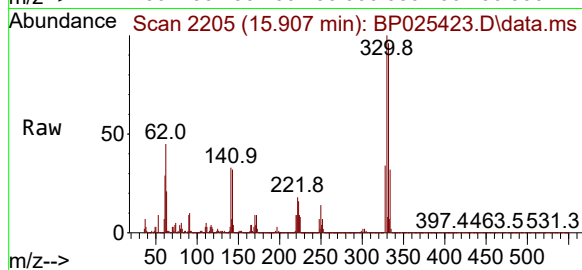
Tgt Ion:330 Resp: 647097

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

141 33.5 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 77.318 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025423.D

Acq: 15 Aug 2025 11:17

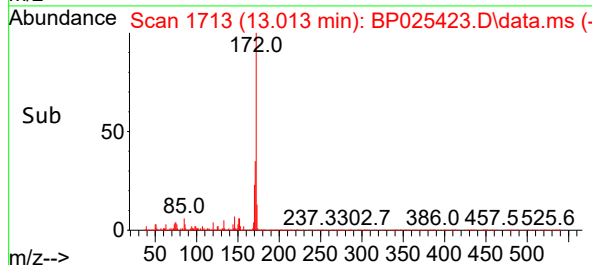
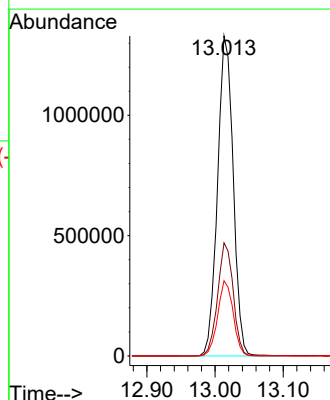
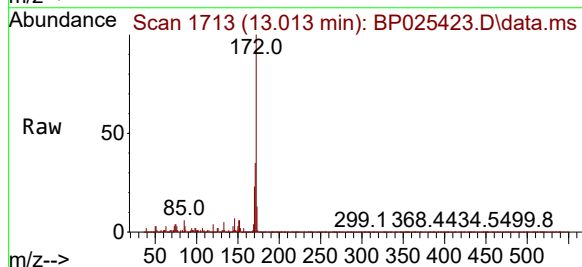
Tgt Ion:172 Resp: 2127638

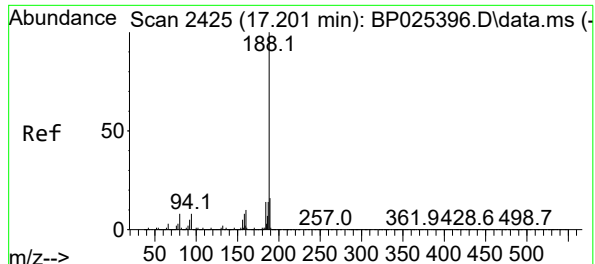
Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.5 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BP025423.D

Acq: 15 Aug 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB169230BL

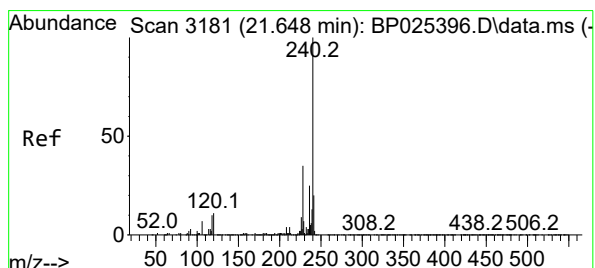
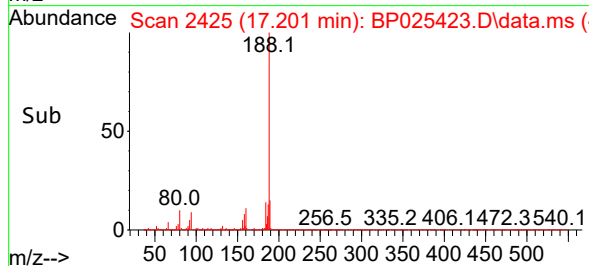
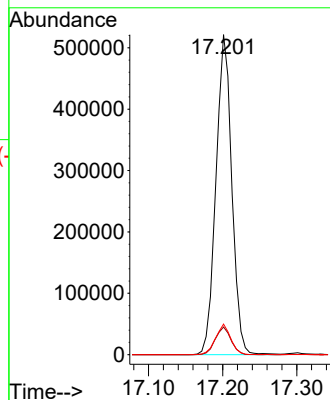
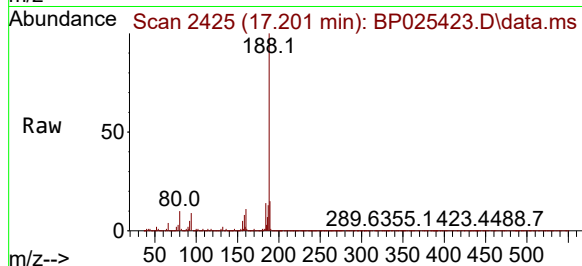
Tgt Ion:188 Resp: 774408

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.6 6.7 10.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.648 min Scan# 3181

Delta R.T. 0.000 min

Lab File: BP025423.D

Acq: 15 Aug 2025 11:17

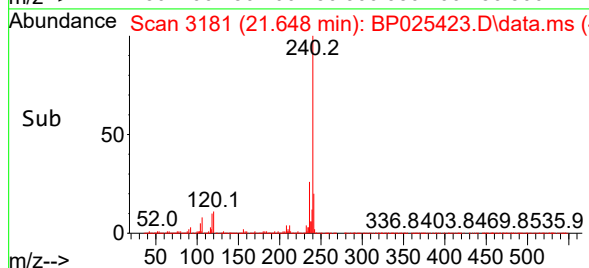
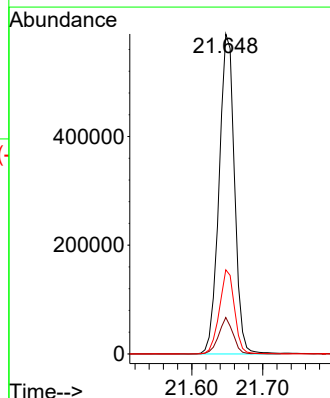
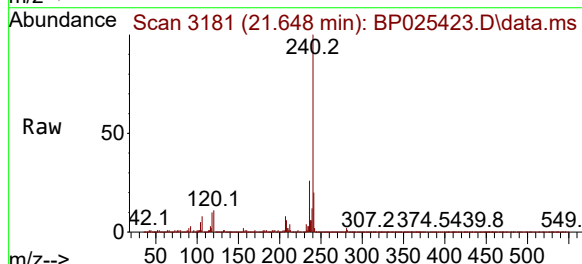
Tgt Ion:240 Resp: 884552

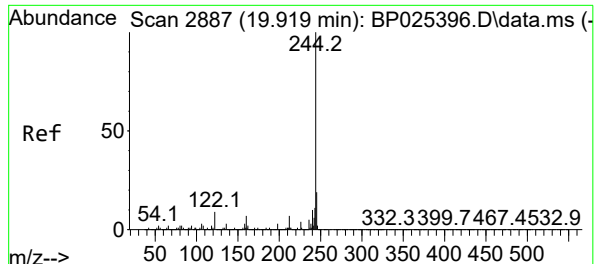
Ion Ratio Lower Upper

240 100

120 11.4 8.9 13.3

236 26.3 19.8 29.8





#79

Terphenyl-d14

Concen: 74.215 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025423.D

Acq: 15 Aug 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB169230BL

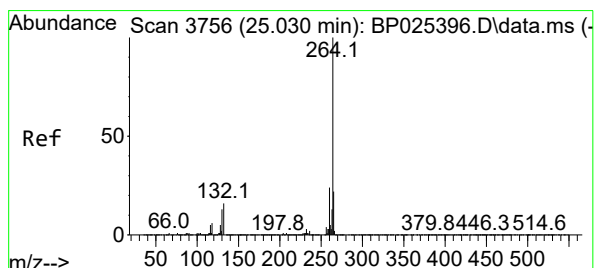
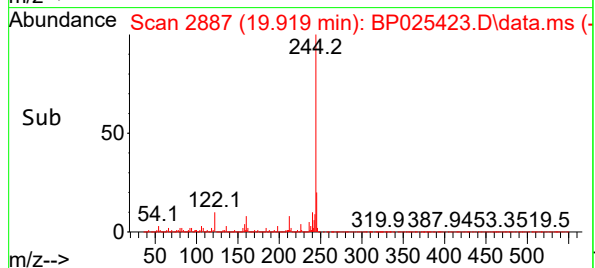
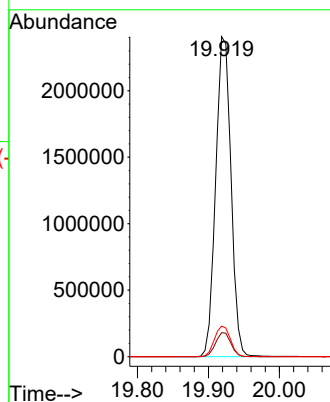
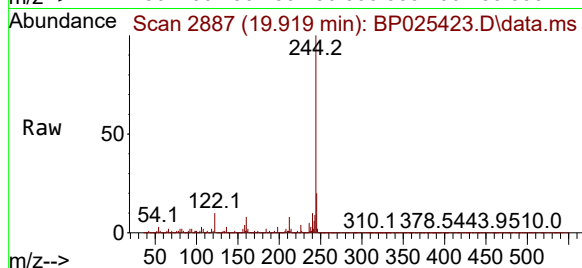
Tgt Ion:244 Resp: 3588103

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 9.6 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.018 min Scan# 3754

Delta R.T. -0.012 min

Lab File: BP025423.D

Acq: 15 Aug 2025 11:17

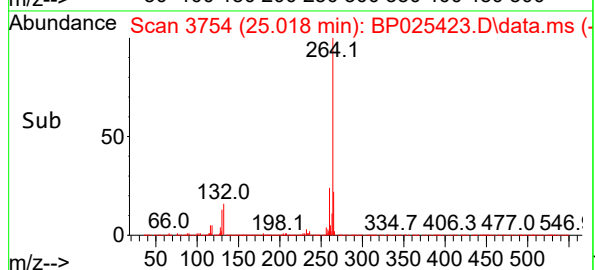
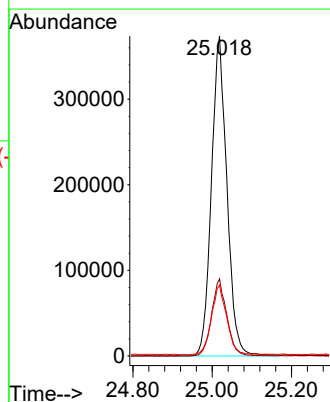
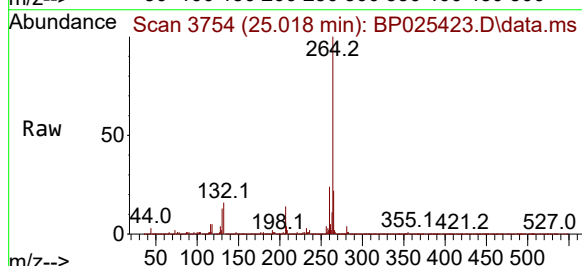
Tgt Ion:264 Resp: 1011782

Ion Ratio Lower Upper

264 100

260 24.1 19.3 28.9

265 22.1 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025423.D
Acq On : 15 Aug 2025 11:17
Operator : CG/JU
Sample : PB169230BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169230BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025423.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.943	336	341	351	rBV	234755	340105	3.46%	0.799%
2	5.408	413	420	434	rBV	2765084	3963727	40.34%	9.310%
3	6.966	677	685	699	rBV	2609535	4005481	40.77%	9.408%
4	7.790	817	825	833	rBV	556695	904269	9.20%	2.124%
5	8.931	1010	1019	1034	rBV	1639182	2706962	27.55%	6.358%
6	10.554	1286	1295	1313	rBV	688306	1217880	12.40%	2.861%
7	13.013	1705	1713	1727	rBV	3910025	6201379	63.12%	14.566%
8	14.401	1942	1949	1957	rBV	1026124	1585682	16.14%	3.724%
9	15.907	2198	2205	2225	rBV	3181301	4861789	49.48%	11.419%
10	17.201	2417	2425	2437	rBV2	1290040	1936346	19.71%	4.548%
11	19.919	2881	2887	2900	rBV	6513441	9824804	100.00%	23.076%
12	21.648	3175	3181	3190	rBV	1616267	2391757	24.34%	5.618%
13	25.018	3745	3754	3770	rVB	969697	2635541	26.83%	6.190%

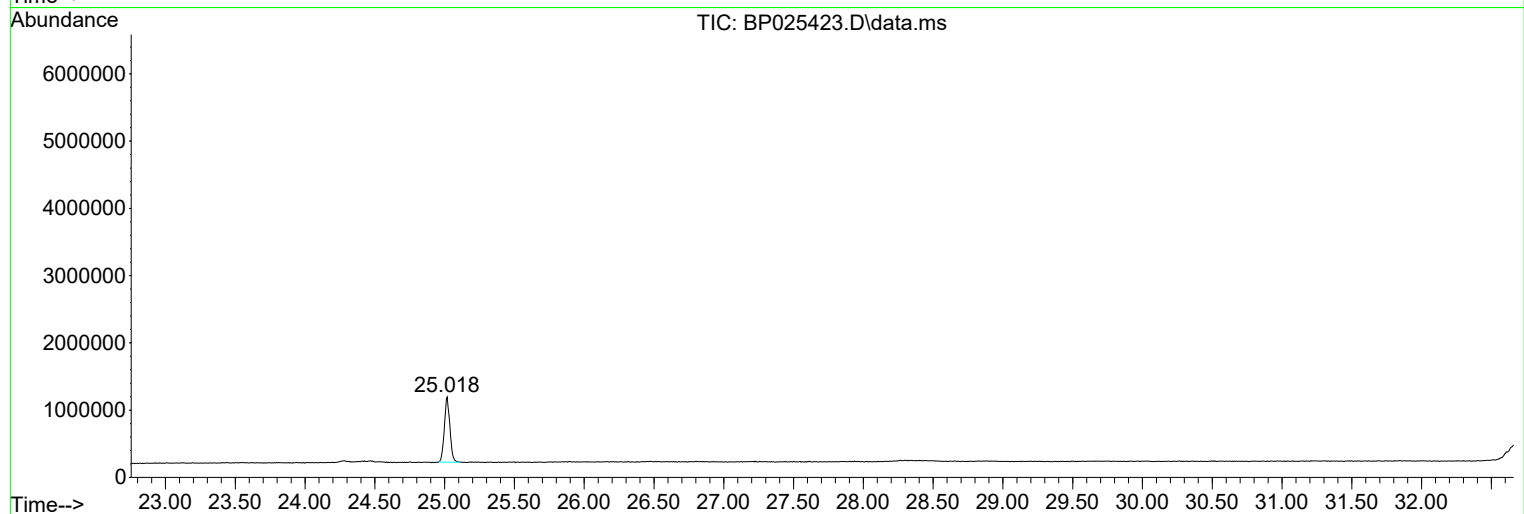
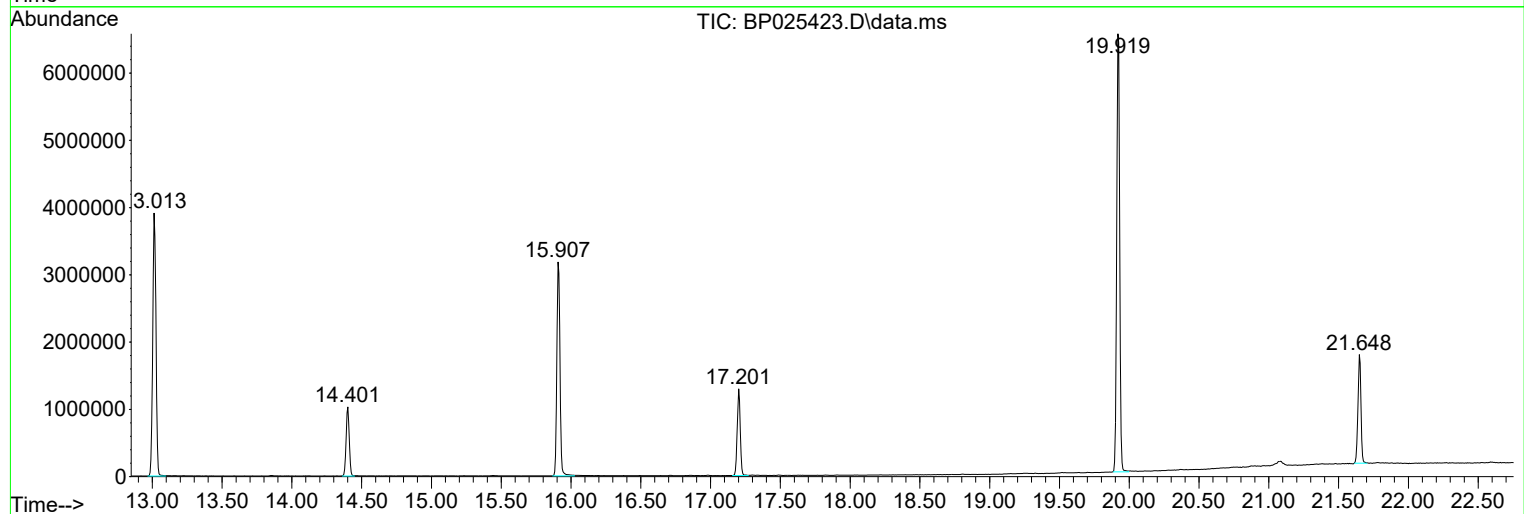
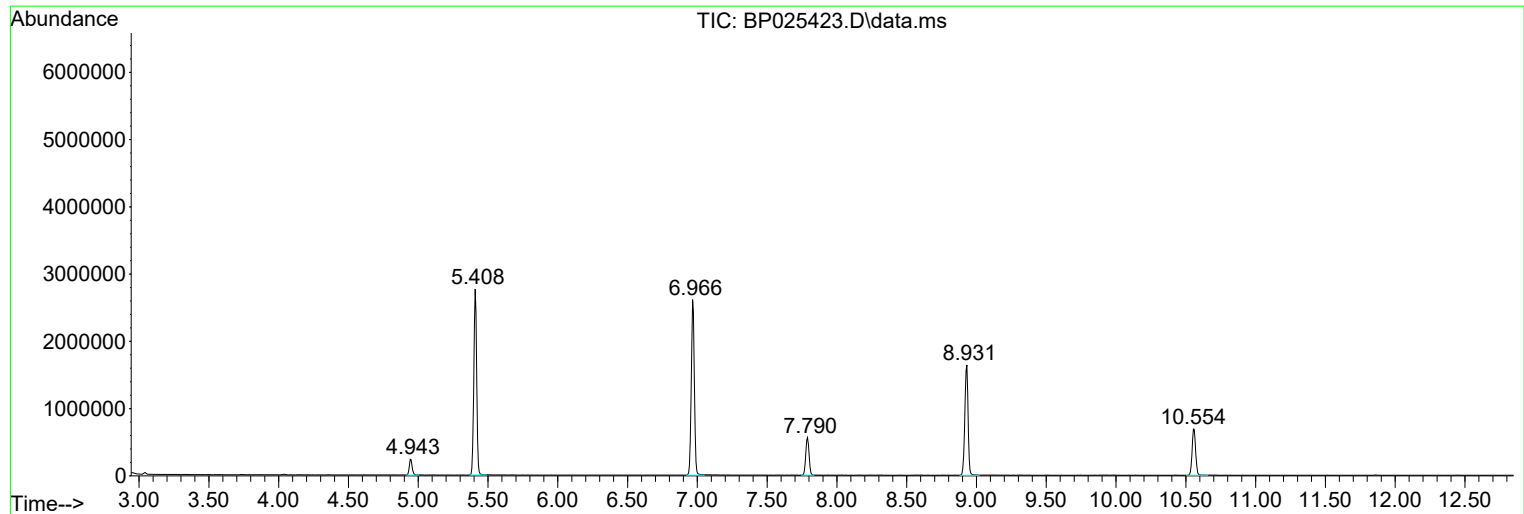
Sum of corrected areas: 42575722

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025423.D
Acq On : 15 Aug 2025 11:17
Operator : CG/JU
Sample : PB169230BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169230BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025423.D
Acq On : 15 Aug 2025 11:17
Operator : CG/JU
Sample : PB169230BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

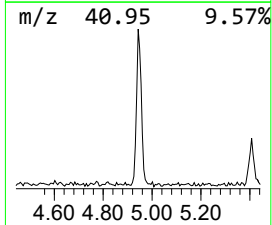
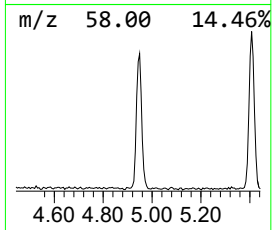
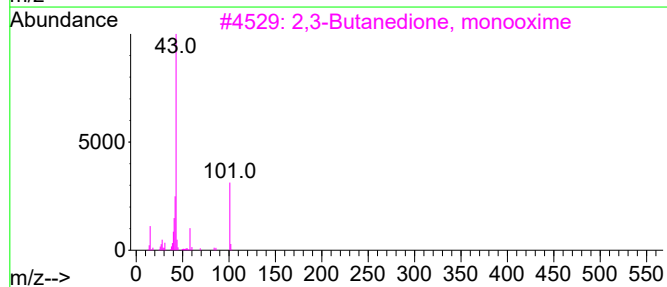
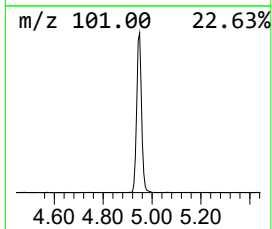
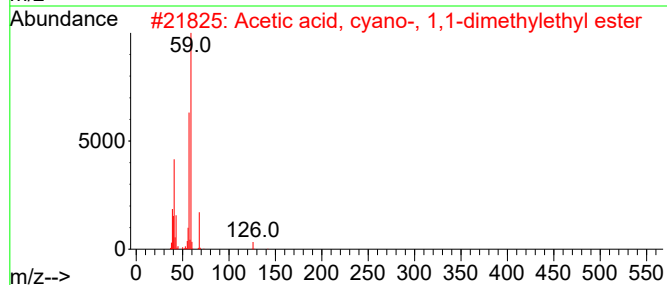
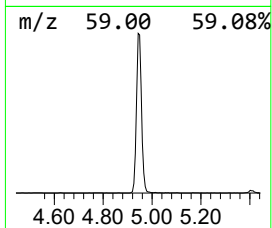
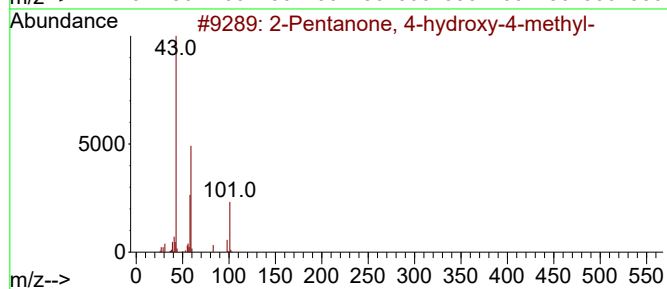
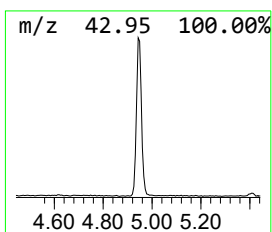
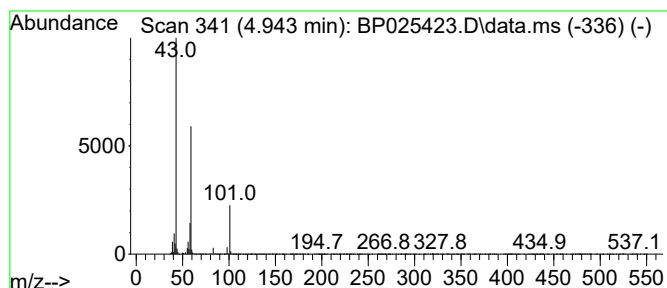
Instrument :
BNA_P
ClientSampleId :
PB169230BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.943	7.52 ng	340105	1,4-Dichlorobenzene-d4	7.790	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025423.D
Acq On : 15 Aug 2025 11:17
Operator : CG/JU
Sample : PB169230BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169230BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.943	7.5	ng	340105	1	7.790	904269	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169244BL	SDG No.:	Q2815
Lab Sample ID:	PB169244BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025471.D	1	08/14/25 09:15	08/19/25 11:25	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169244BL	SDG No.:	Q2815
Lab Sample ID:	PB169244BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025471.D	1	08/14/25 09:15	08/19/25 11:25	PB169244

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169244BL	SDG No.:	Q2815
Lab Sample ID:	PB169244BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025471.D	1	08/14/25 09:15	08/19/25 11:25	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	129		19 - 119		86%	SPK: 150
13127-88-3	Phenol-d6	124		10 - 130		83%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.8		44 - 120		78%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.3		44 - 119		75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		43 - 140		88%	SPK: 150
1718-51-0	Terphenyl-d14	76.5		50 - 134		76%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	171000		7.784			
1146-65-2	Naphthalene-d8	669000		10.56			
15067-26-2	Acenaphthene-d10	432000		14.407			
1517-22-2	Phenanthrene-d10	955000		17.195			
1719-03-5	Chrysene-d12	1100000		21.642			
1520-96-3	Perylene-d12	1220000		25.018			
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.70	A			4.94	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169244BL	SDG No.:	Q2815
Lab Sample ID:	PB169244BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025471.D	1	08/14/25 09:15	08/19/25 11:25	PB169244

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025471.D
Acq On : 19 Aug 2025 11:25
Operator : CG/JU
Sample : PB169244BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169244BL

Quant Time: Aug 19 12:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	171241	20.000	ng	-0.01
21) Naphthalene-d8	10.560	136	669280	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	431883	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	954940	20.000	ng	0.00
76) Chrysene-d12	21.642	240	1095777	20.000	ng	0.00
86) Perylene-d12	25.018	264	1221508	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1326005	128.596	ng	0.00
7) Phenol-d6	6.966	99	1636252	123.770	ng	0.00
23) Nitrobenzene-d5	8.925	82	1029425	77.806	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	763937	131.415	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2379524	75.300	ng	0.00
79) Terphenyl-d14	19.919	244	4581344	76.493	ng	0.00

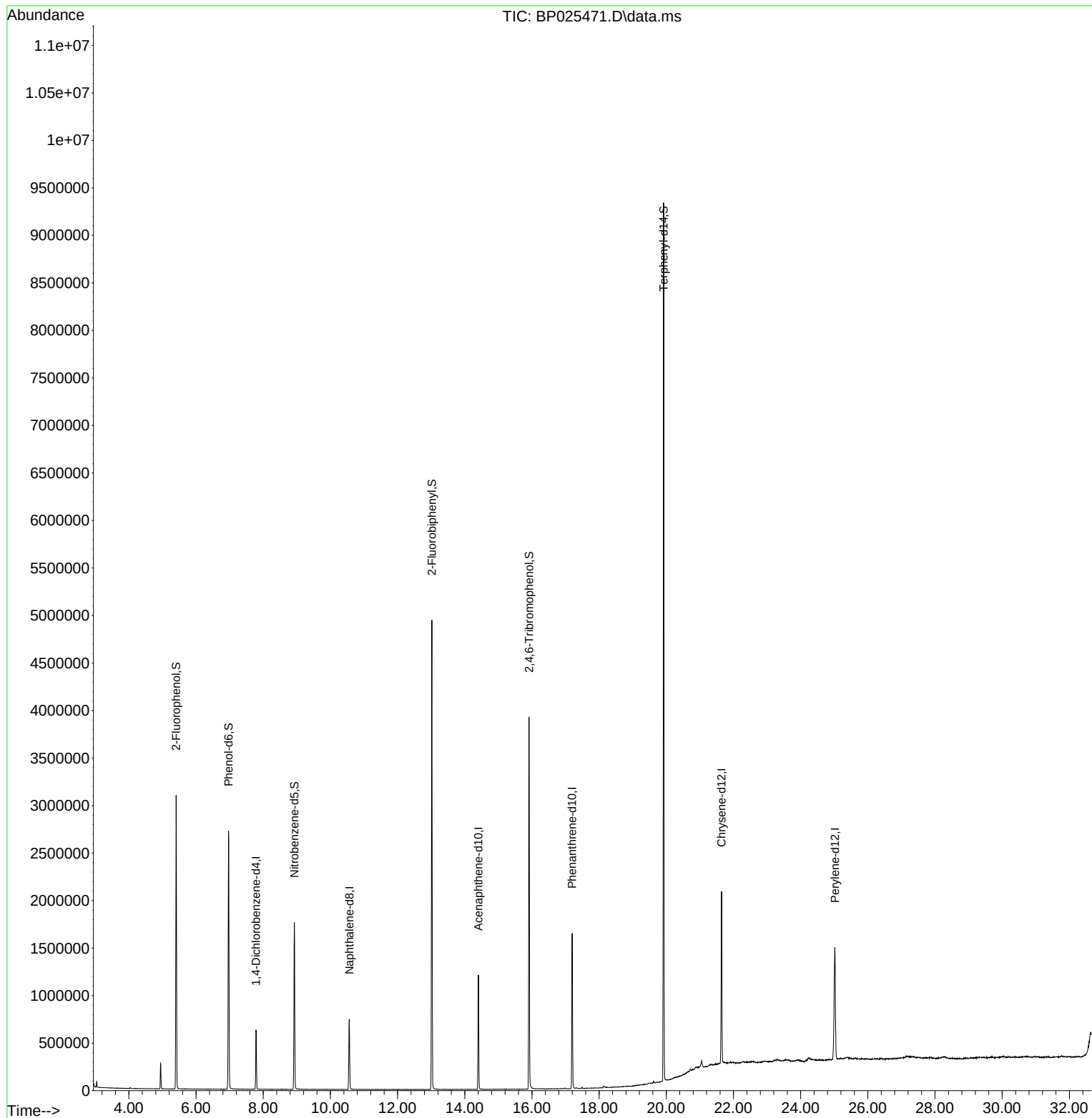
Target Compounds	Qvalue
------------------	--------

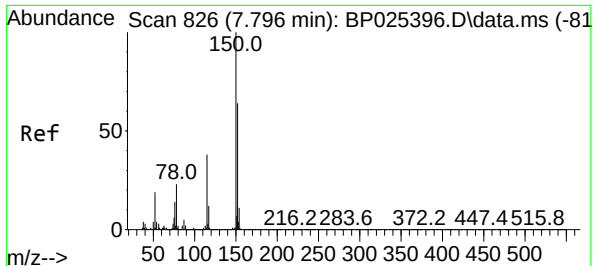
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025471.D
Acq On : 19 Aug 2025 11:25
Operator : CG/JU
Sample : PB169244BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169244BL

Quant Time: Aug 19 12:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

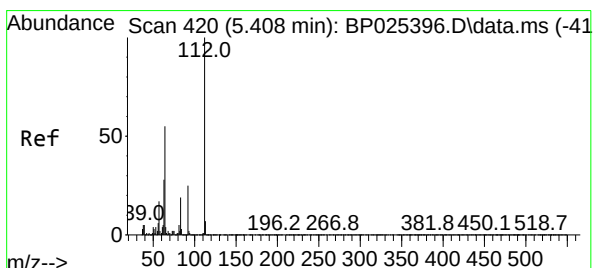
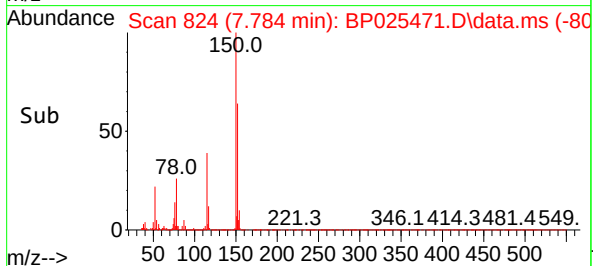
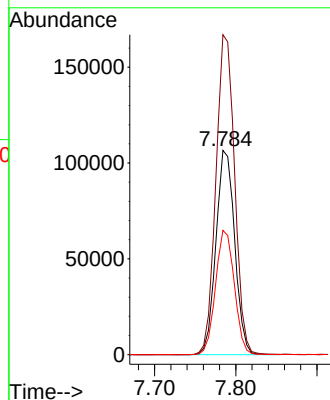
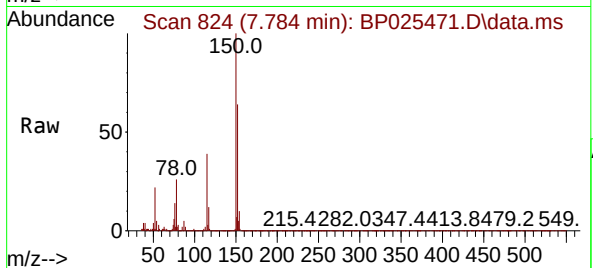




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025471.D
Acq: 19 Aug 2025 11:25

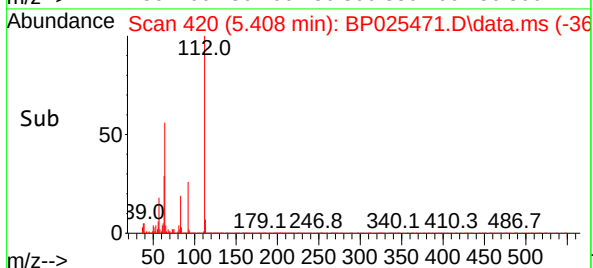
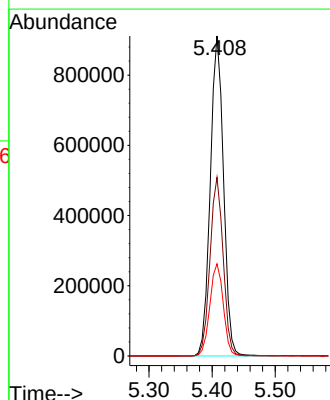
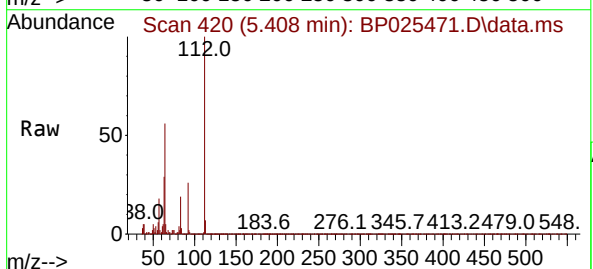
Instrument :
BNA_P
ClientSampleId :
PB169244BL

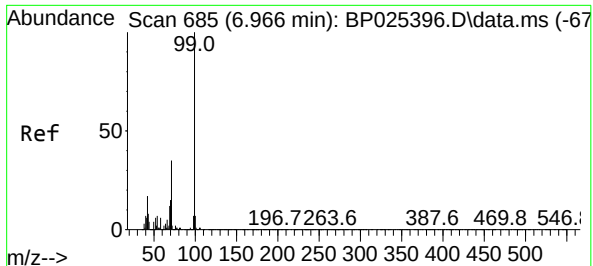
Tgt Ion:152 Resp: 171241
Ion Ratio Lower Upper
152 100
150 156.7 125.9 188.9
115 60.9 48.5 72.7



#5
2-Fluorophenol
Concen: 128.596 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025471.D
Acq: 19 Aug 2025 11:25

Tgt Ion:112 Resp: 1326005
Ion Ratio Lower Upper
112 100
64 55.8 43.8 65.8
63 28.8 22.7 34.1

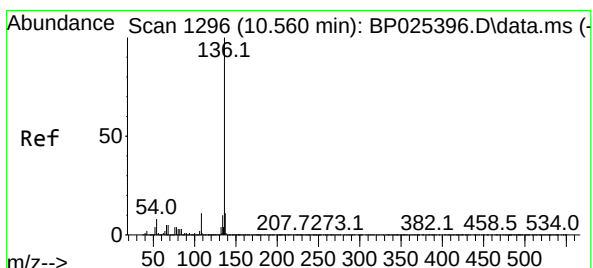
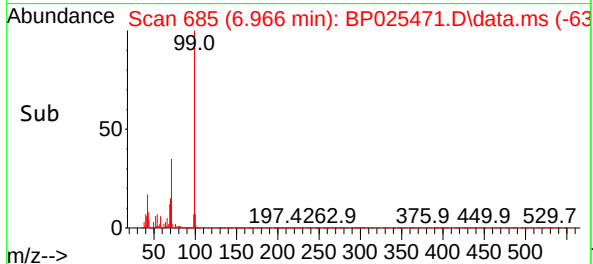
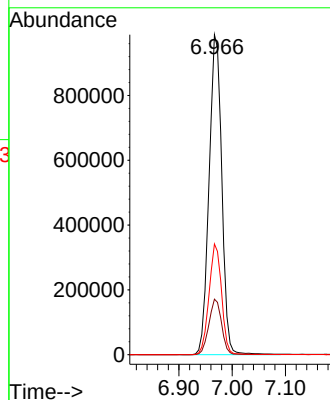
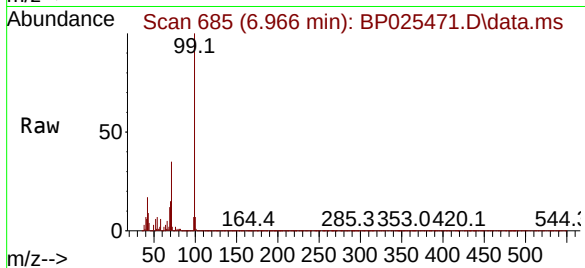




#7
Phenol-d6
Concen: 123.770 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025471.D
Acq: 19 Aug 2025 11:25

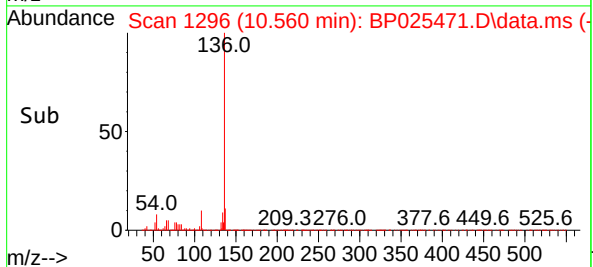
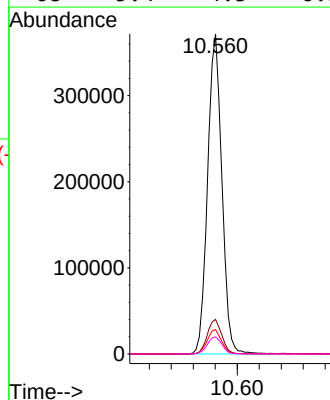
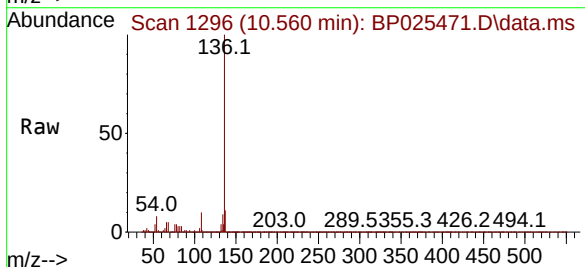
Instrument :
BNA_P
ClientSampleId :
PB169244BL

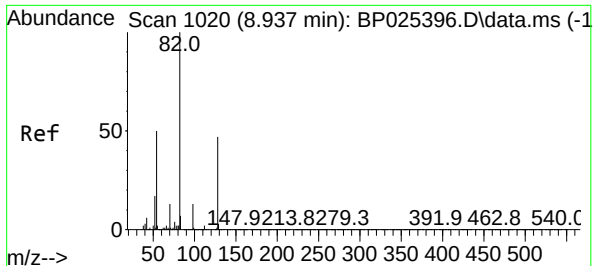
Tgt Ion: 99 Resp: 1636252
Ion Ratio Lower Upper
99 100
42 17.4 13.7 20.5
71 34.6 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025471.D
Acq: 19 Aug 2025 11:25

Tgt Ion: 136 Resp: 669280
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.6 6.0 9.0
68 5.4 4.3 6.5

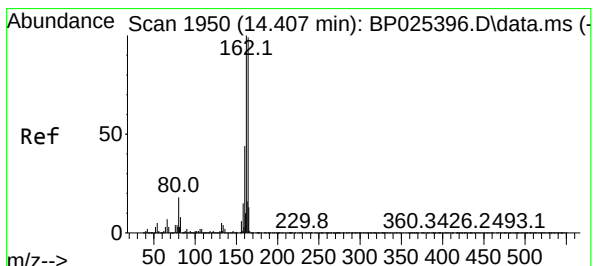
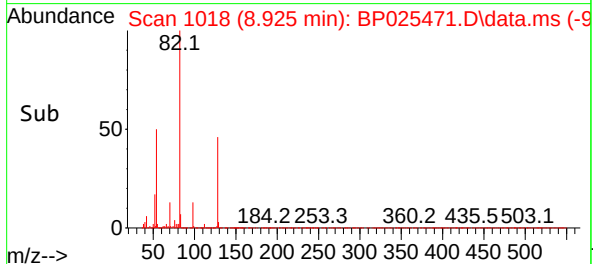
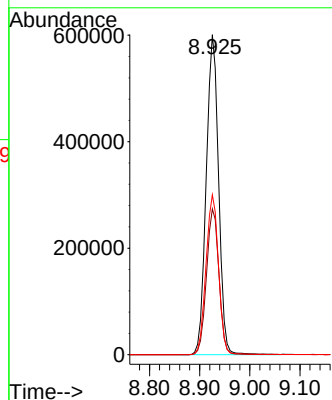
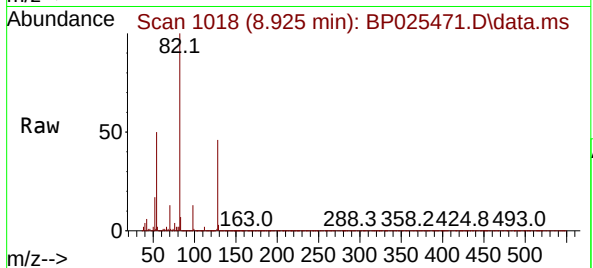




#23
Nitrobenzene-d5
Concen: 77.806 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025471.D
Acq: 19 Aug 2025 11:25

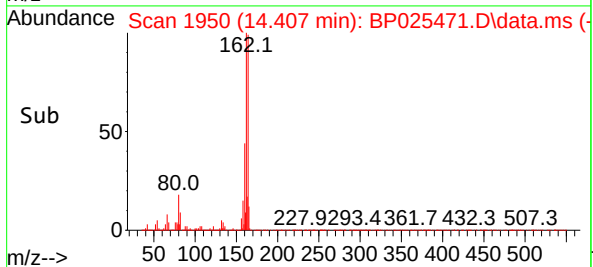
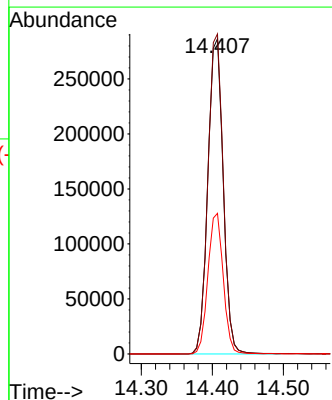
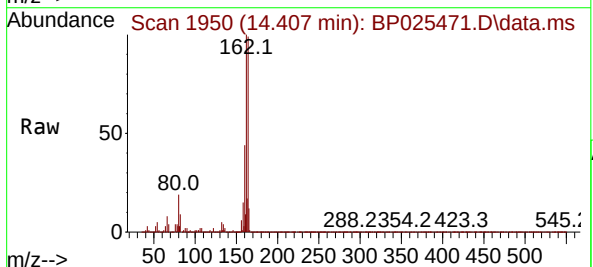
Instrument :
BNA_P
ClientSampleId :
PB169244BL

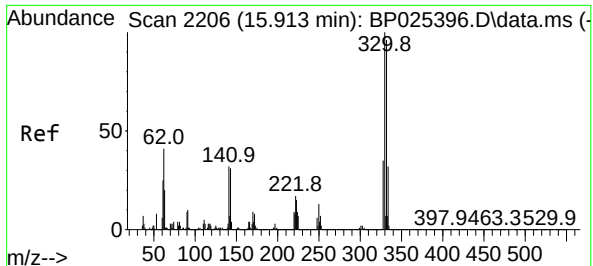
Tgt Ion: 82 Resp: 1029425
Ion Ratio Lower Upper
82 100
128 45.6 37.7 56.5
54 50.0 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025471.D
Acq: 19 Aug 2025 11:25

Tgt Ion:164 Resp: 431883
Ion Ratio Lower Upper
164 100
162 101.5 81.0 121.6
160 44.6 35.4 53.2

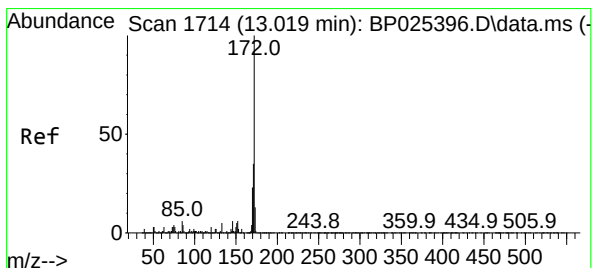
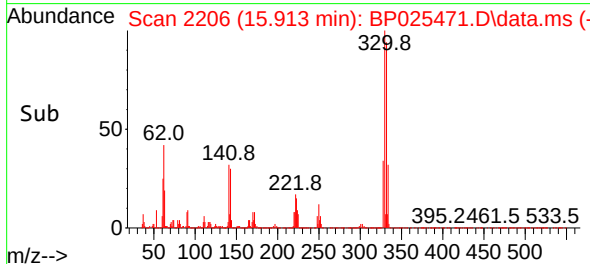
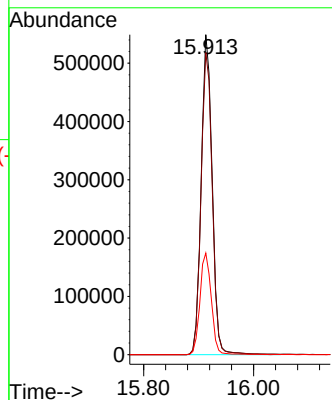
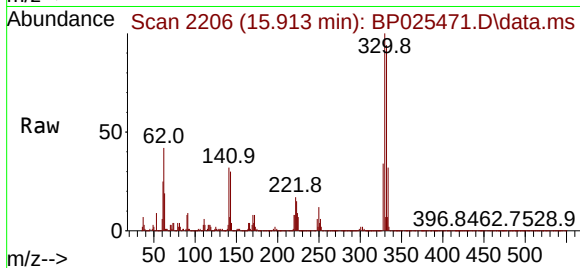




#42
2,4,6-Tribromophenol
Concen: 131.415 ng
RT: 15.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025471.D
Acq: 19 Aug 2025 11:25

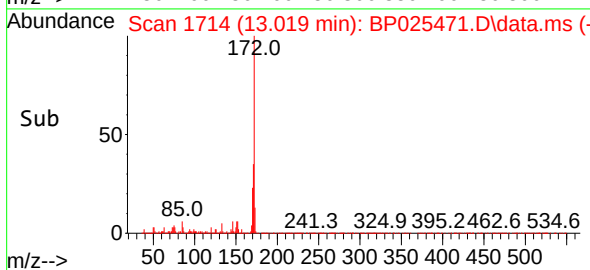
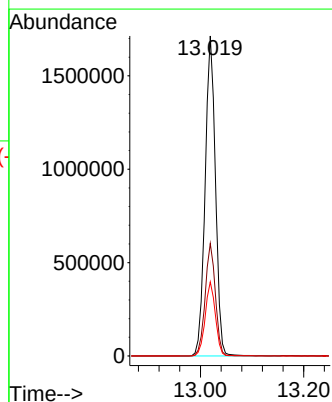
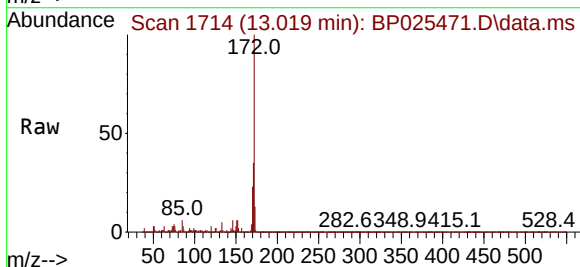
Instrument :
BNA_P
ClientSampleId :
PB169244BL

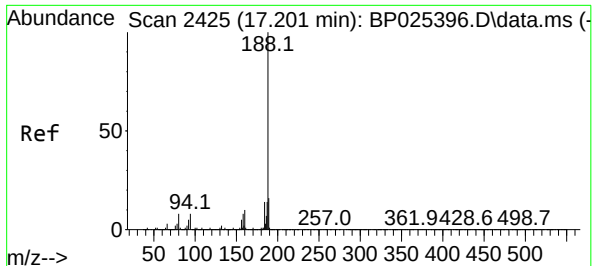
Tgt Ion:330 Resp: 763937
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 32.8 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 75.300 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025471.D
Acq: 19 Aug 2025 11:25

Tgt Ion:172 Resp: 2379524
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.2 18.6 28.0

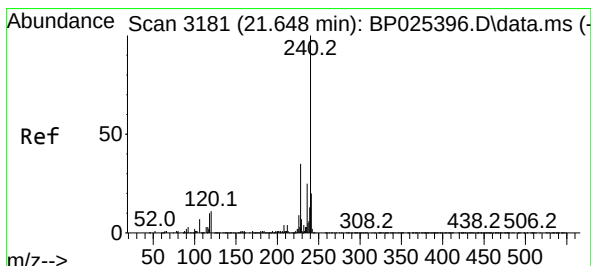
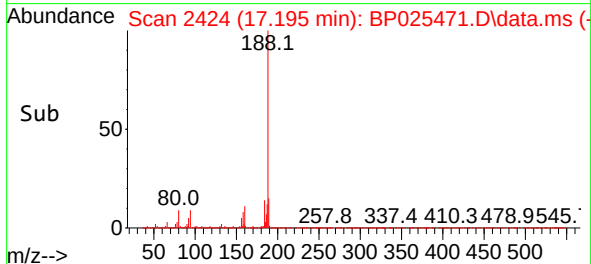
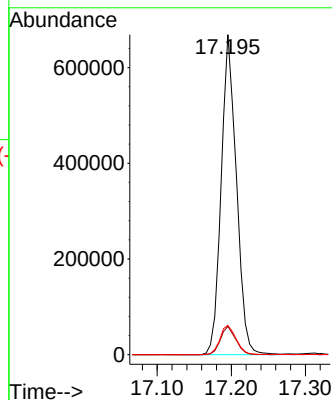
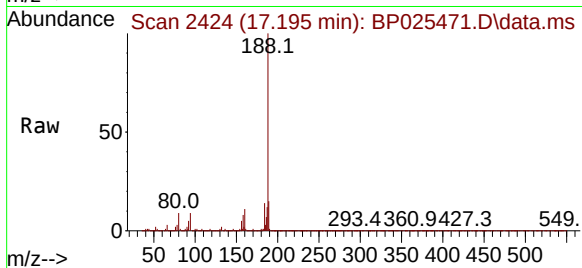




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP025471.D
Acq: 19 Aug 2025 11:25

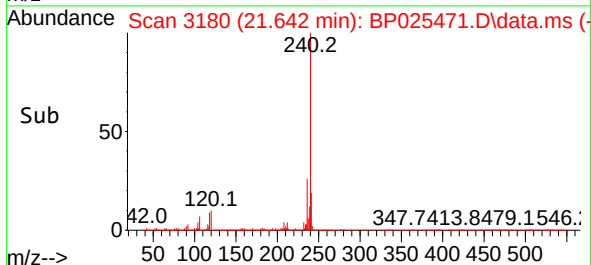
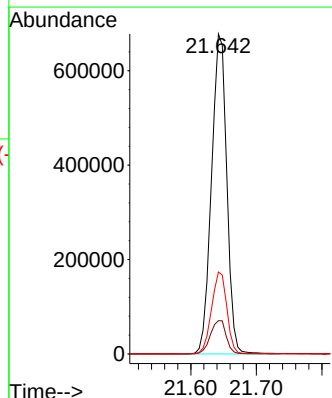
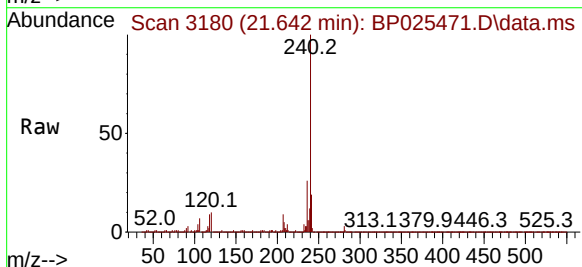
Instrument :
BNA_P
ClientSampleId :
PB169244BL

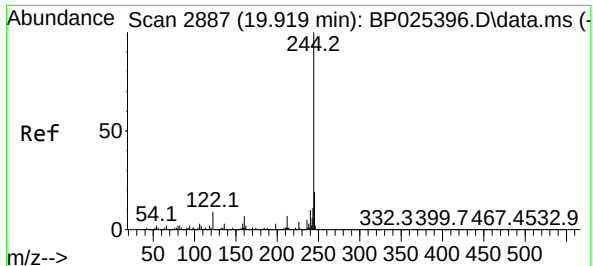
Tgt Ion:188 Resp: 954940
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.2 6.7 10.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025471.D
Acq: 19 Aug 2025 11:25

Tgt Ion:240 Resp: 1095777
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 25.6 19.8 29.8

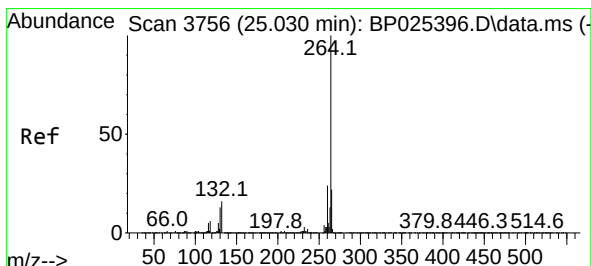
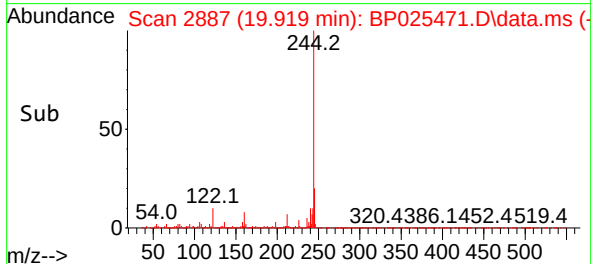
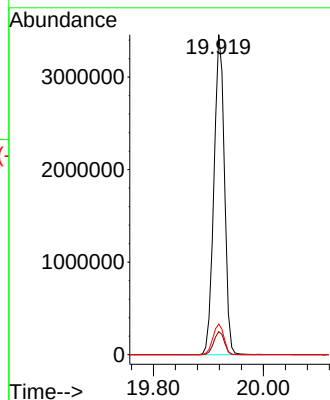
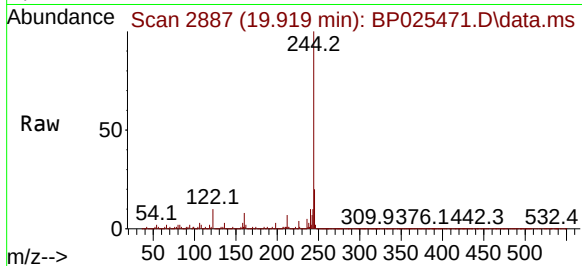




#79
 Terphenyl-d14
 Concen: 76.493 ng
 RT: 19.919 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP025471.D
 Acq: 19 Aug 2025 11:25

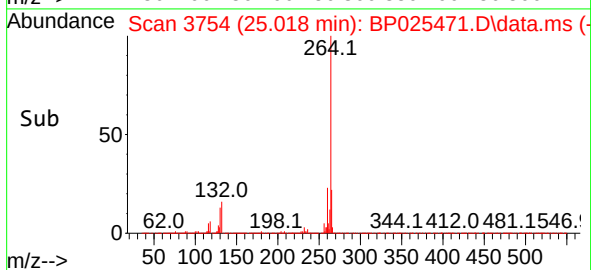
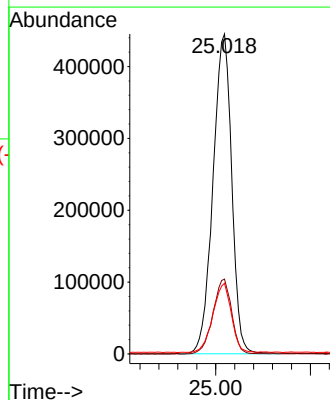
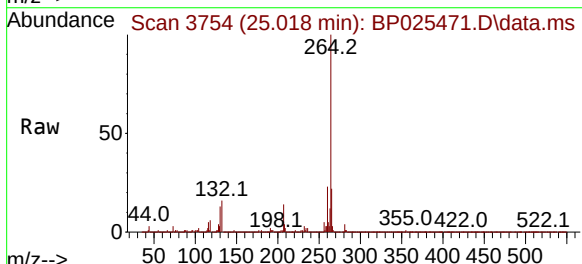
Instrument :
 BNA_P
 ClientSampleId :
 PB169244BL

Tgt Ion:244 Resp: 4581344
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.6 7.4 11.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.018 min Scan# 3754
 Delta R.T. -0.012 min
 Lab File: BP025471.D
 Acq: 19 Aug 2025 11:25

Tgt Ion:264 Resp: 1221508
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.3 28.9
 265 22.1 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025471.D
Acq On : 19 Aug 2025 11:25
Operator : CG/JU
Sample : PB169244BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169244BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025471.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.943	336	341	349	rVB	266727	382196	3.11%	0.766%
2	5.408	413	420	435	rBV	3090937	4486129	36.45%	8.994%
3	6.966	677	685	701	rBV	2716361	4547318	36.95%	9.117%
4	7.784	818	824	833	rVB	622470	988724	8.03%	1.982%
5	8.925	1009	1018	1037	rBV	1759364	3043304	24.73%	6.101%
6	10.560	1288	1296	1308	rBV	739974	1352016	10.98%	2.711%
7	13.019	1706	1714	1736	rBV	4938855	6847448	55.63%	13.728%
8	14.407	1943	1950	1961	rBV	1203749	1823817	14.82%	3.657%
9	15.913	2200	2206	2222	rBV	3914348	5646298	45.88%	11.320%
10	17.195	2417	2424	2436	rBV	1635679	2379742	19.33%	4.771%
11	19.919	2881	2887	2897	rBV	9241705	12308000	100.00%	24.676%
12	21.642	3174	3180	3190	rBV	1800931	2936848	23.86%	5.888%
13	25.018	3744	3754	3765	rVB	1171858	3136619	25.48%	6.289%

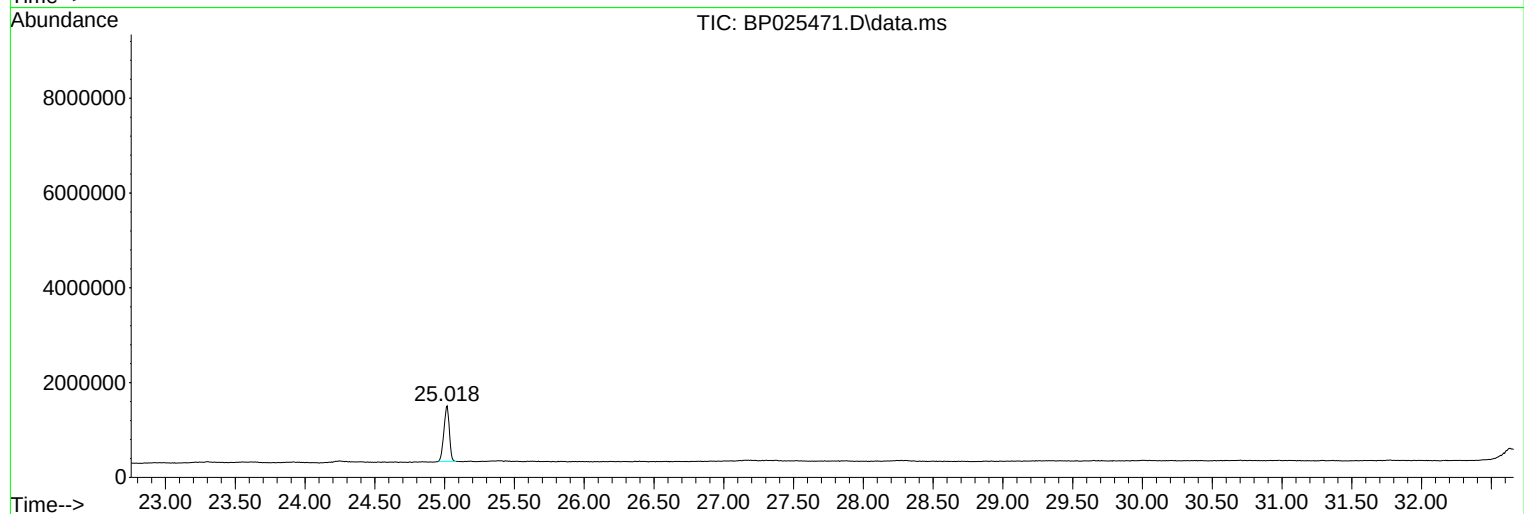
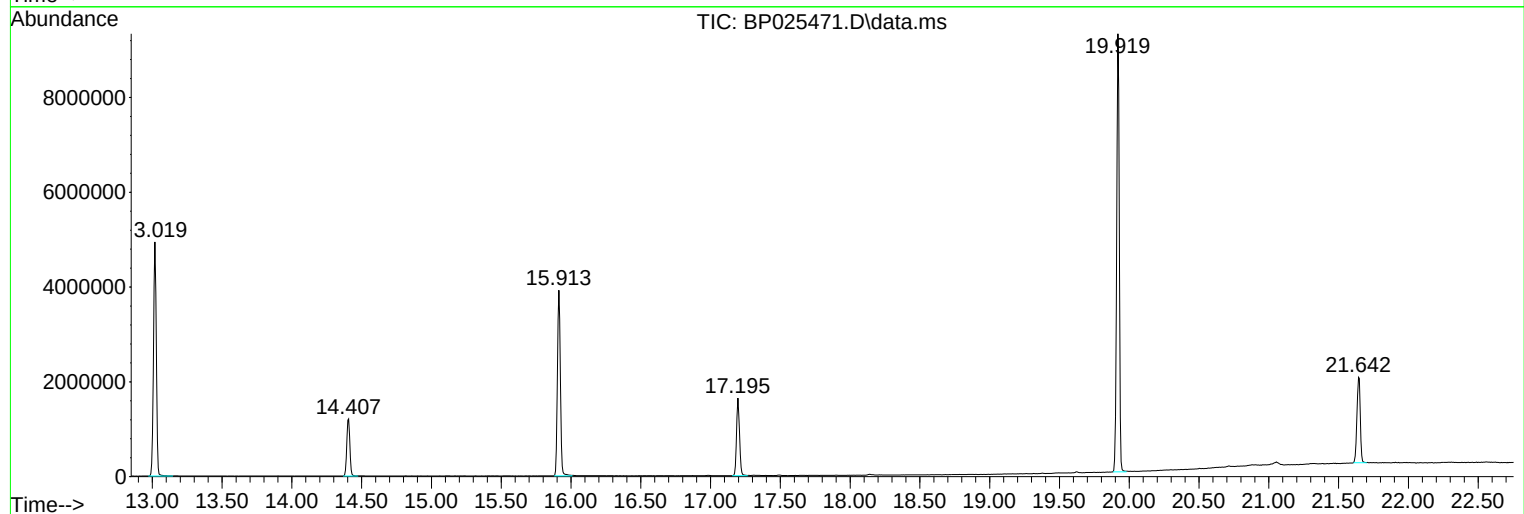
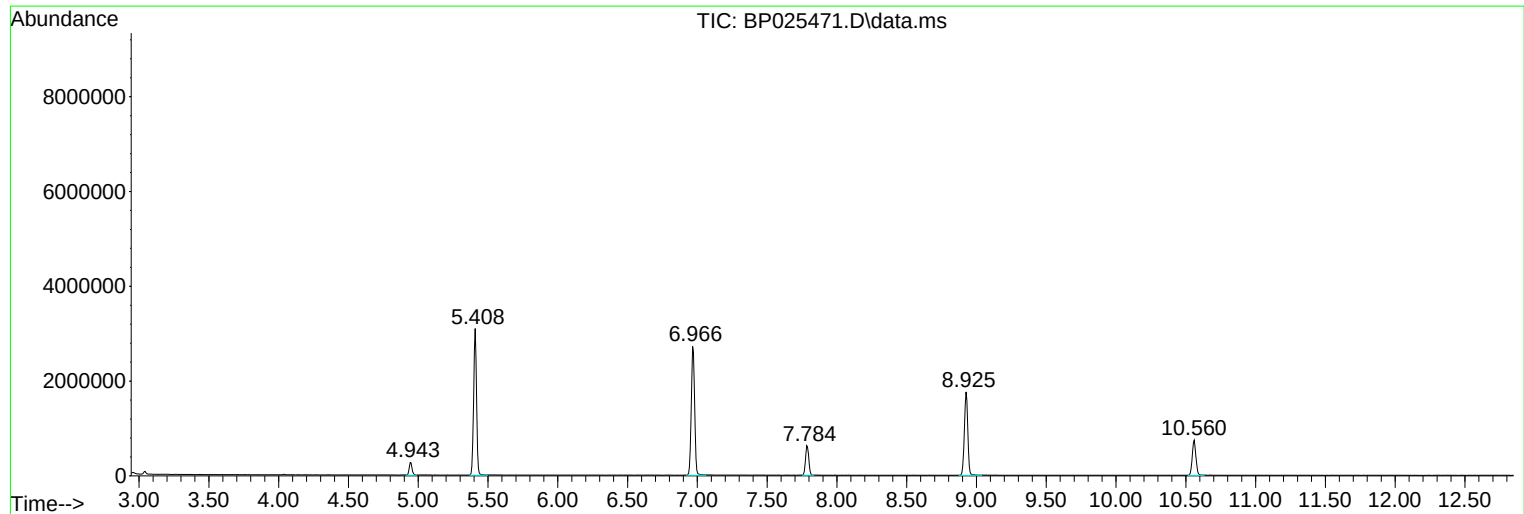
Sum of corrected areas: 49878459

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025471.D
Acq On : 19 Aug 2025 11:25
Operator : CG/JU
Sample : PB169244BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169244BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025471.D
Acq On : 19 Aug 2025 11:25
Operator : CG/JU
Sample : PB169244BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

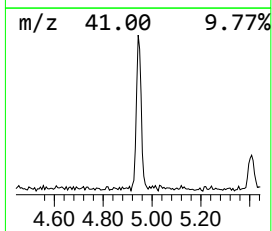
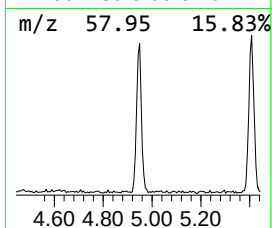
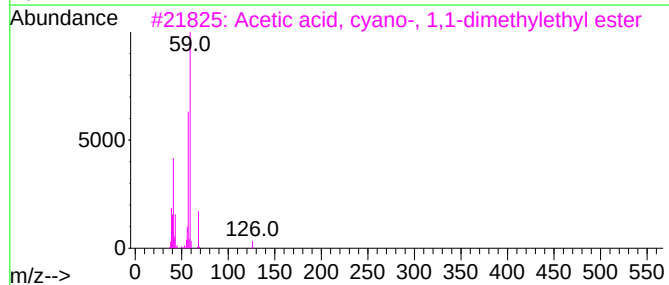
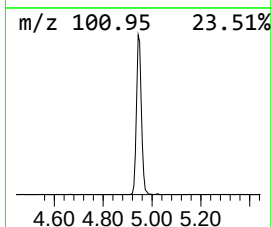
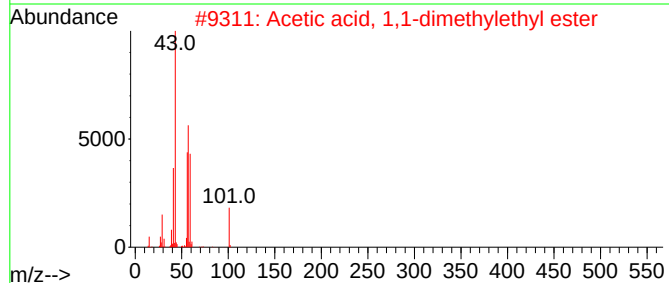
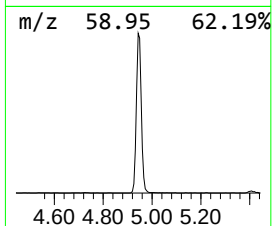
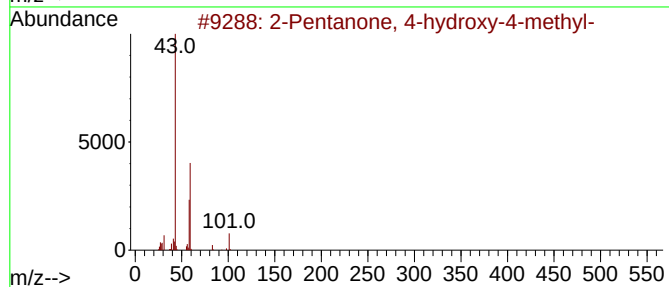
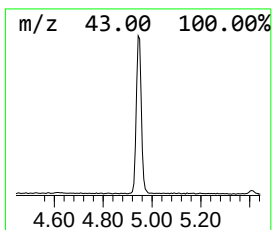
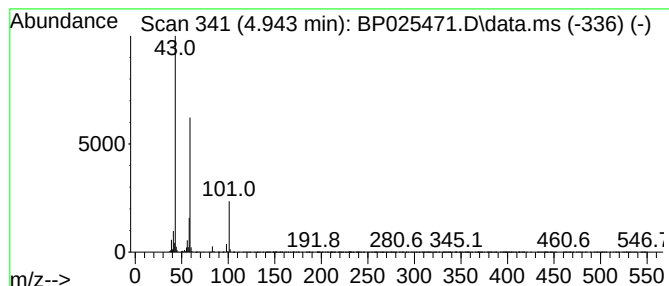
Instrument :
BNA_P
ClientSampleId :
PB169244BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD			R.T.
4.943	7.73 ng	382196	1,4-Dichlorobenzene-d4			7.784
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2		000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2		000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2		001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2		000057-71-6	17
5	1-Propen-2-ol, acetate	100	C5H8O2		000108-22-5	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025471.D
Acq On : 19 Aug 2025 11:25
Operator : CG/JU
Sample : PB169244BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169244BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.943	7.7	ng	382196	1	7.784	988724	20.0

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169230BS	SDG No.:	Q2815
Lab Sample ID:	PB169230BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025424.D	1	08/12/25 11:39	08/15/25 11:59	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	23.9		3.90	8.00	10.0	ug/L
108-95-2	Phenol	40.4		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	37.1		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	39.9		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	39.7		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37.4		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	38.4		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	38.8		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	35.3		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	38.7		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	39.7		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	37.0		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	39.2		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	40.8		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.6		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	41.5		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	38.6		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	25.0		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	38.4		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	38.5		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	40.8		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	38.1		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	86.0	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	41.6		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.1		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	40.1		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	39.6		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	42.4		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	39.4		0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169230BS	SDG No.:	Q2815
Lab Sample ID:	PB169230BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025424.D	1	08/12/25 11:39	08/15/25 11:59	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	39.5		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	41.3		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	30.4		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	39.1		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	91.4	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	84.2	E	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	39.0		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	41.7		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	39.2		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38.0		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	38.7		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	38.9		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42.5		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	41.1		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	40.0		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	40.6		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	40.0		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	87.0	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	41.1		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	41.0		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	40.6		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	40.7		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	40.6		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	38.2		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	39.3		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	30.3		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	41.0		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	41.0		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	40.4		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	41.6		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	41.4		0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169230BS	SDG No.:	Q2815
Lab Sample ID:	PB169230BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025424.D	1	08/12/25 11:39	08/15/25 11:59	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	40.4		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	41.2		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.2		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.9		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.8		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.5		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	44.4		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	40.9		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	113		19 - 119		75%	SPK: 150
13127-88-3	Phenol-d6	110		10 - 130		74%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.6		44 - 120		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.6		44 - 119		69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		43 - 140		74%	SPK: 150
1718-51-0	Terphenyl-d14	65.8		50 - 134		66%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	170000	7.79				
1146-65-2	Naphthalene-d8	670000	10.555				
15067-26-2	Acenaphthene-d10	424000	14.396				
1517-22-2	Phenanthrene-d10	813000	17.19				
1719-03-5	Chrysene-d12	911000	21.642				
1520-96-3	Perylene-d12	1090000	25.019				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025424.D
 Acq On : 15 Aug 2025 11:59
 Operator : CG/JU
 Sample : PB169230BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169230BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 15 12:24:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	169971	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	670319	20.000	ng	0.00
39) Acenaphthene-d10	14.396	164	424018	20.000	ng	-0.01
64) Phenanthrene-d10	17.190	188	812951	20.000	ng	-0.01
76) Chrysene-d12	21.642	240	911094	20.000	ng	0.00
86) Perylene-d12	25.019	264	1094193	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1156544	113.000	ng	0.00
7) Phenol-d6	6.972	99	1449790	110.485	ng	0.00
23) Nitrobenzene-d5	8.931	82	922542	69.619	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	632733	110.863	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2128772	68.614	ng	0.00
79) Terphenyl-d14	19.919	244	3276717	65.800	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	178151	44.438	ng	99
3) Pyridine	3.726	79	351940	32.073	ng	97
4) n-Nitrosodimethylamine	3.631	42	183440	40.550	ng	97
6) Aniline	7.125	93	575167	32.532	ng	98
8) 2-Chlorophenol	7.361	128	461335	39.944	ng	99
9) Benzaldehyde	6.937	77	219291	23.853	ng	95
10) Phenol	6.996	94	556276	40.400	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	398485	37.131	ng	98
12) 1,3-Dichlorobenzene	7.684	146	486604	38.209	ng	99
13) 1,4-Dichlorobenzene	7.825	146	493901	37.943	ng	99
14) 1,2-Dichlorobenzene	8.137	146	473554	37.582	ng	98
15) Benzyl Alcohol	8.019	79	400986	38.459	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.308	45	537421	37.382	ng	98
17) 2-Methylphenol	8.225	107	379222	39.655	ng	99
18) Hexachloroethane	8.861	117	185309	38.719	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	306664	35.282	ng	96
20) 3+4-Methylphenols	8.543	107	514736	38.831	ng	97
22) Acetophenone	8.596	105	645991	38.428	ng	# 98
24) Nitrobenzene	8.972	77	470422	39.722	ng	98
25) Isophorone	9.496	82	867444	36.989	ng	99
26) 2-Nitrophenol	9.672	139	238004	39.160	ng	99
27) 2,4-Dimethylphenol	9.737	122	426335	40.790	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	533145	37.610	ng	98
29) 2,4-Dichlorophenol	10.208	162	430899	41.501	ng	100
30) 1,2,4-Trichlorobenzene	10.419	180	439417	38.606	ng	99
31) Naphthalene	10.608	128	1343452	38.560	ng	99
32) Benzoic acid	9.878	122	306370	39.703	ng	98
33) 4-Chloroaniline	10.702	127	385406	25.043	ng	99
34) Hexachlorobutadiene	10.896	225	272129	38.391	ng	98
35) Caprolactam	11.490	113	146622	38.511	ng	95
36) 4-Chloro-3-methylphenol	11.831	107	486472	40.832	ng	97
37) 2-Methylnaphthalene	12.213	142	864478	38.128	ng	99
38) 1-Methylnaphthalene	12.431	142	898180	37.251	ng	100
40) 1,2,4,5-Tetrachloroben...	12.578	216	483197	39.457	ng	99
41) Hexachlorocyclopentadiene	12.566	237	636193	86.005	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	343891	41.596	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025424.D
 Acq On : 15 Aug 2025 11:59
 Operator : CG/JU
 Sample : PB169230BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169230BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 15 12:24:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.890	196	381721	42.128	ng	98
46) 1,1'-Biphenyl	13.225	154	1235911	40.134	ng	99
47) 2-Chloronaphthalene	13.266	162	949832	39.620	ng	99
48) 2-Nitroaniline	13.460	65	296397	42.432	ng	99
49) Acenaphthylene	14.119	152	1568169	39.531	ng	100
50) Dimethylphthalate	13.849	163	1223759	39.412	ng	100
51) 2,6-Dinitrotoluene	13.960	165	270344	41.309	ng	93
52) Acenaphthene	14.460	154	911236	39.134	ng	99
53) 3-Nitroaniline	14.290	138	223962	30.416	ng	95
54) 2,4-Dinitrophenol	14.501	184	319395	91.387	ng	97
55) Dibenzofuran	14.796	168	1435621	38.997	ng	98
56) 4-Nitrophenol	14.607	139	509537	84.213	ng	94
57) 2,4-Dinitrotoluene	14.754	165	389153	41.677	ng	97
58) Fluorene	15.460	166	1123848	38.689	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.025	232	327248	40.903	ng	99
60) Diethylphthalate	15.231	149	1237967	39.238	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	548873	37.992	ng	98
62) 4-Nitroaniline	15.466	138	293368	38.864	ng	95
63) Azobenzene	15.748	77	1081923	40.048	ng	98
65) 4,6-Dinitro-2-methylph...	15.531	198	215285	42.483	ng	94
66) n-Nitrosodiphenylamine	15.666	169	1020090	41.149	ng	100
67) 4-Bromophenyl-phenylether	16.366	248	357730	40.010	ng	98
68) Hexachlorobenzene	16.484	284	421113	40.631	ng	97
69) Atrazine	16.648	200	371199	39.983	ng	99
70) Pentachlorophenol	16.831	266	569065	86.979	ng	99
71) Phenanthrene	17.237	178	1834594	41.081	ng	99
72) Anthracene	17.325	178	1867641	40.953	ng	99
73) Carbazole	17.601	167	1745068	40.625	ng	99
74) Di-n-butylphthalate	18.207	149	2153331	40.744	ng	100
75) Fluoranthene	19.319	202	2161988	40.586	ng	99
77) Benzidine	19.513	184	1323440	42.563	ng	99
78) Pyrene	19.695	202	2262750	38.210	ng	100
80) Butylbenzylphthalate	20.654	149	1053807	39.265	ng	99
81) Benzo(a)anthracene	21.625	228	2464717	41.019	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	686690	30.320	ng	99
83) Chrysene	21.695	228	2304341	40.951	ng	99
84) Bis(2-ethylhexyl)phtha...	21.578	149	1594510	40.360	ng	100
85) Di-n-octyl phthalate	22.860	149	2830250	41.649	ng	99
87) Indeno(1,2,3-cd)pyrene	28.848	276	3386531	42.203	ng	99
88) Benzo(b)fluoranthene	23.936	252	2671223	41.401	ng	99
89) Benzo(k)fluoranthene	24.024	252	2607648	40.388	ng	100
90) Benzo(a)pyrene	24.866	252	2585640	41.168	ng	99
91) Dibenzo(a,h)anthracene	28.936	278	2746421	41.882	ng	98
92) Benzo(g,h,i)perylene	30.036	276	2695674m	41.819	ng	

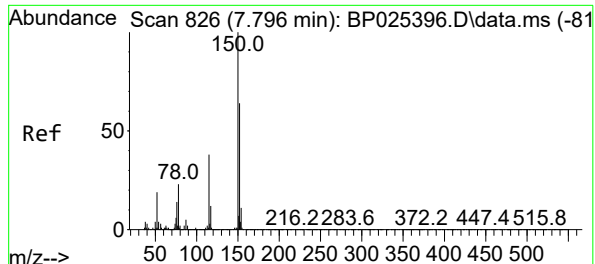
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
PB169230BS

Manual Integrations

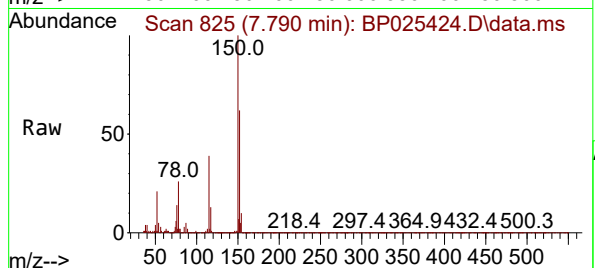
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

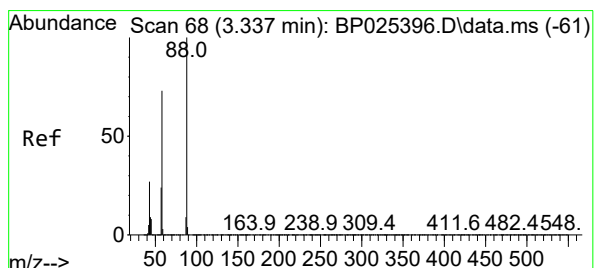
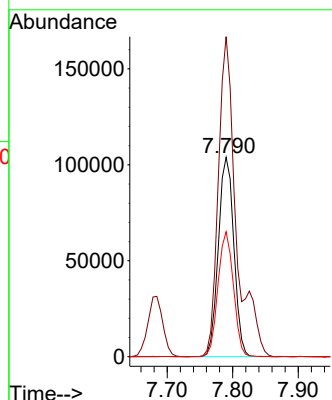
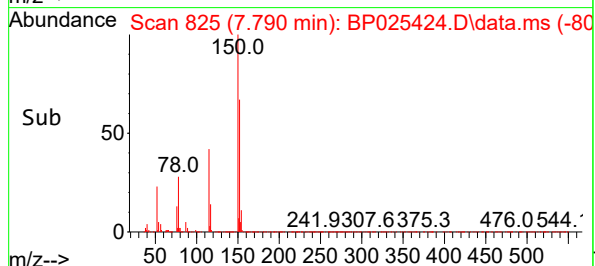
Instrument :
BNA_P
ClientSampleId :
PB169230BS



Tgt Ion: 152 Resp: 16997
Ion Ratio Lower Upper
152 100
150 160.6 125.9 188.9
115 62.7 48.5 72.7

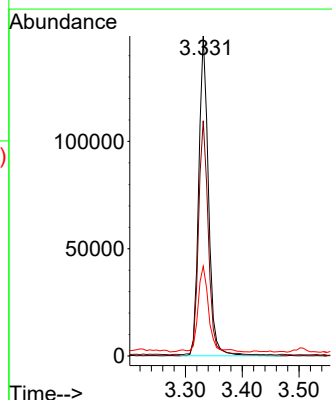
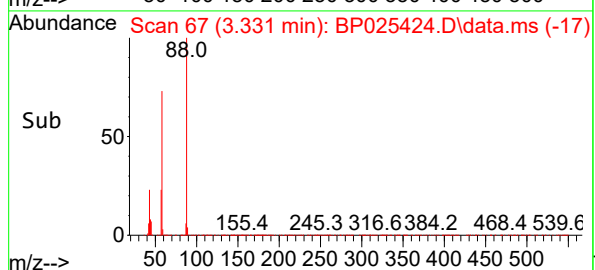
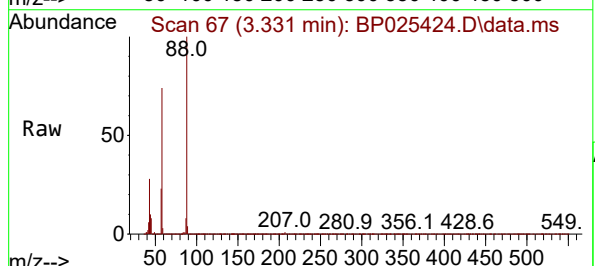
Manual Integrations
APPROVED

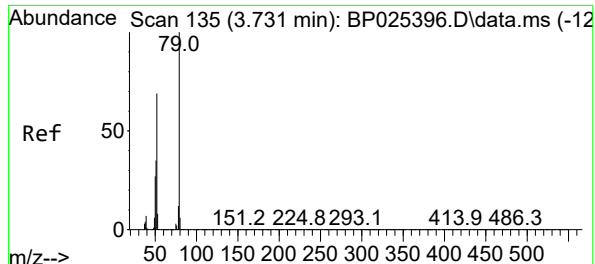
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#2
1,4-Dioxane
Concen: 44.438 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

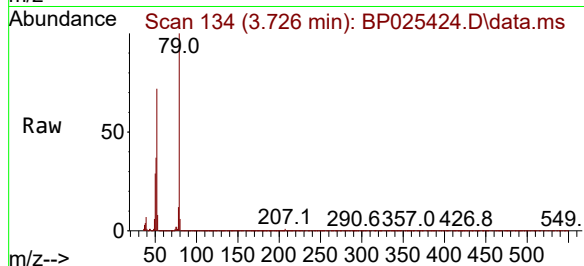
Tgt Ion: 88 Resp: 178151
Ion Ratio Lower Upper
88 100
58 73.9 59.2 88.8
43 28.8 21.7 32.5





#3
Pyridine
Concen: 32.073 ng
RT: 3.726 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

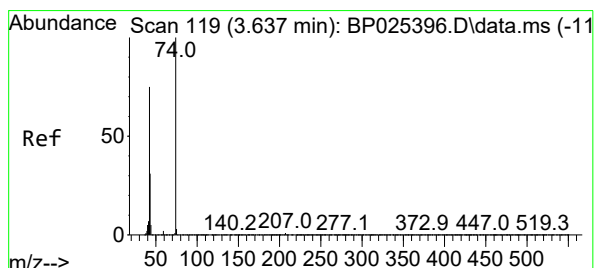
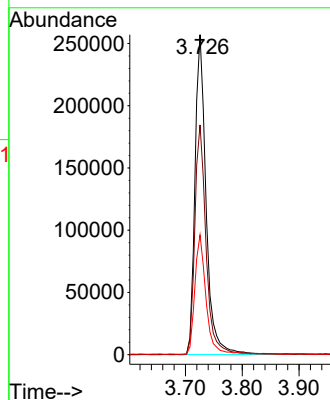
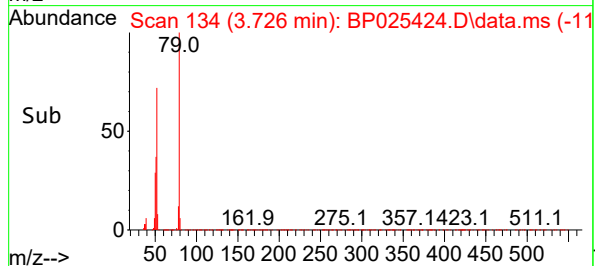
Instrument :
BNA_P
ClientSampleId :
PB169230BS



Tgt Ion: 79 Resp: 351940
Ion Ratio Lower Upper
79 100
52 71.8 55.5 83.3
51 37.5 28.3 42.5

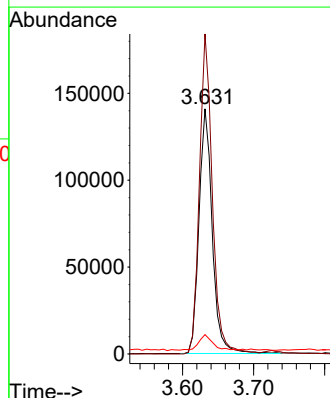
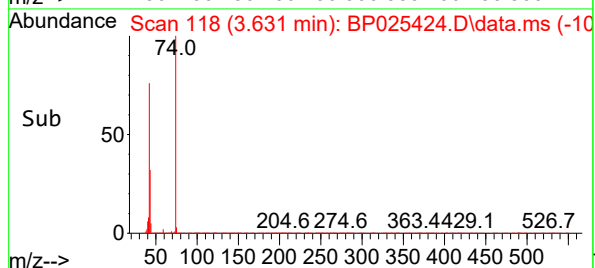
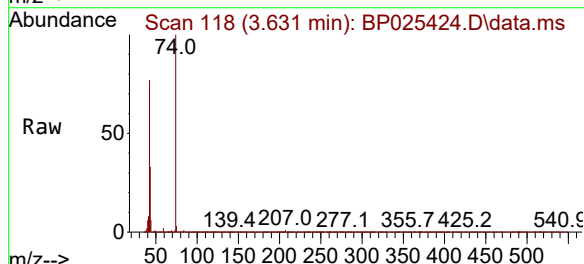
Manual Integrations
APPROVED

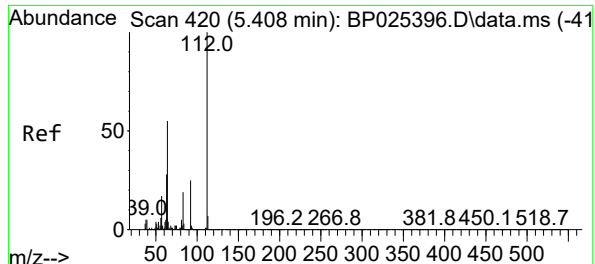
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#4
n-Nitrosodimethylamine
Concen: 40.550 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

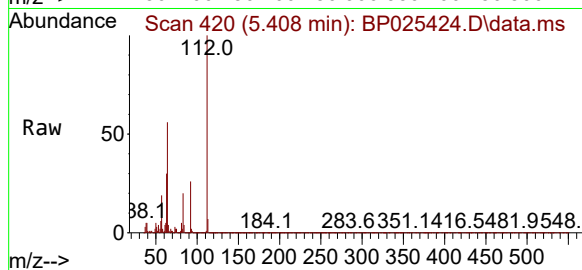
Tgt Ion: 42 Resp: 183440
Ion Ratio Lower Upper
42 100
74 130.5 107.0 160.4
44 7.9 6.2 9.4





#5
2-Fluorophenol
Concen: 113.000 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

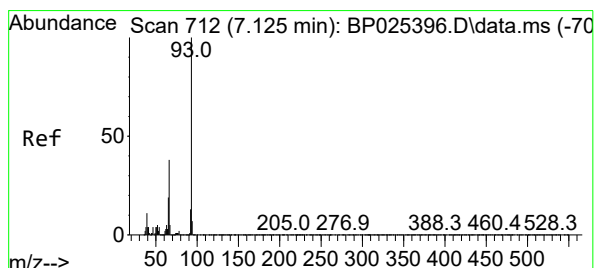
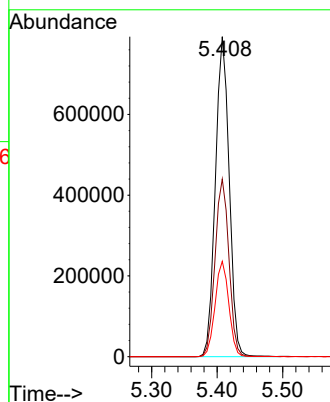
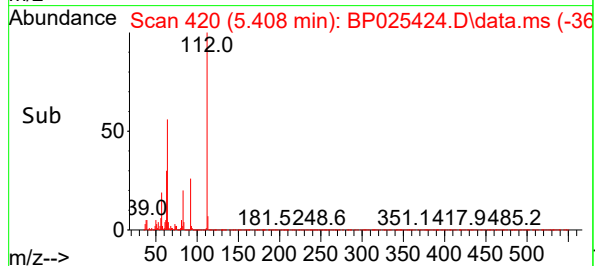
Instrument :
BNA_P
ClientSampleId :
PB169230BS



Tgt Ion: 112 Resp: 115654
Ion Ratio Lower Upper
112 100
64 55.5 43.8 65.8
63 29.8 22.7 34.1

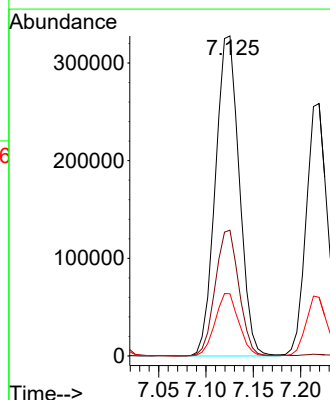
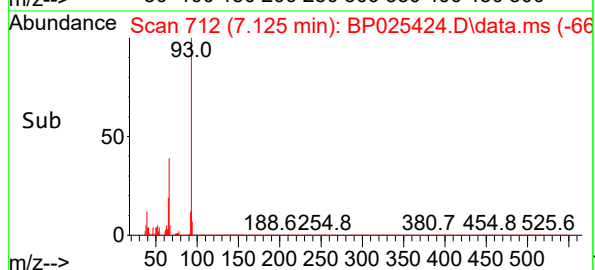
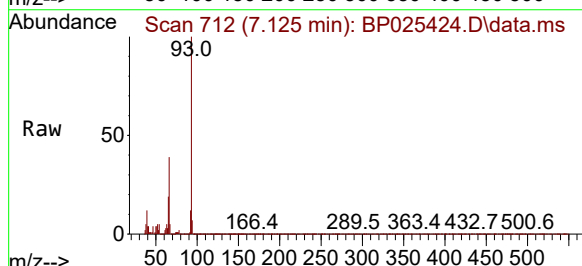
Manual Integrations
APPROVED

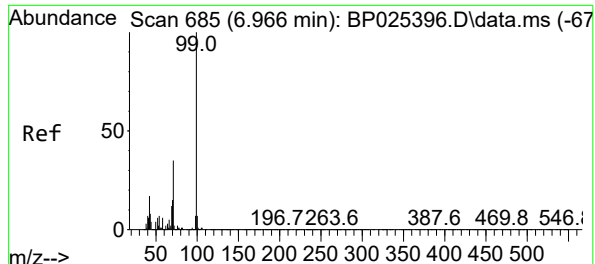
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#6
Aniline
Concen: 32.532 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

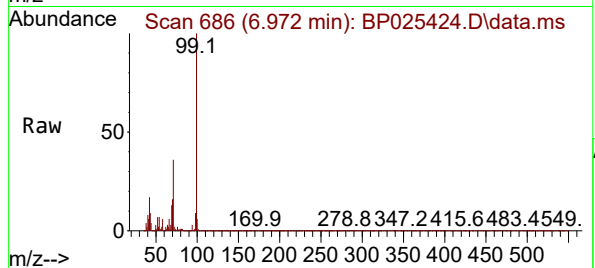
Tgt Ion: 93 Resp: 575167
Ion Ratio Lower Upper
93 100
66 39.3 30.4 45.6
65 19.5 15.3 22.9





#7
Phenol-d6
Concen: 110.485 ng
RT: 6.972 min Scan# 685
Delta R.T. 0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

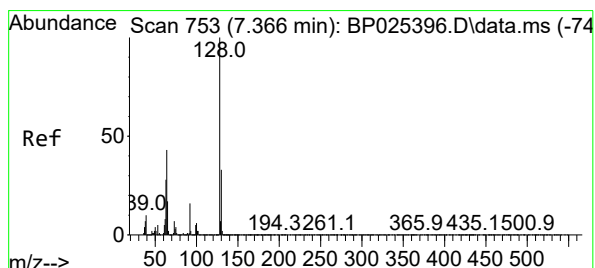
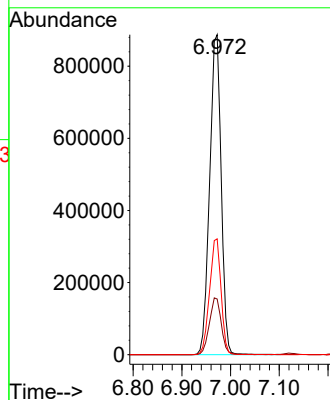
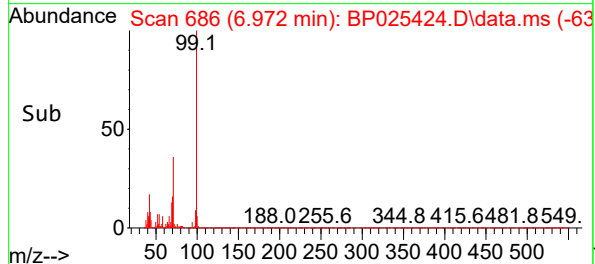
Instrument :
BNA_P
ClientSampleId :
PB169230BS



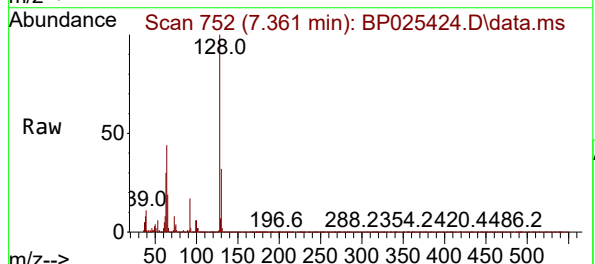
Tgt Ion: 99 Resp: 1449790
Ion Ratio Lower Upper
99 100
42 17.4 13.7 20.5
71 36.2 28.2 42.4

Manual Integrations
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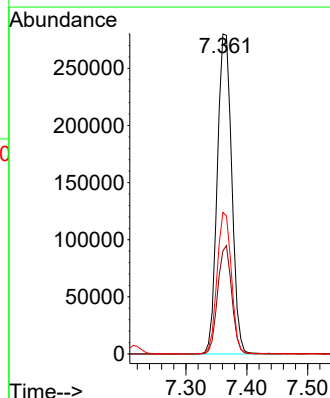
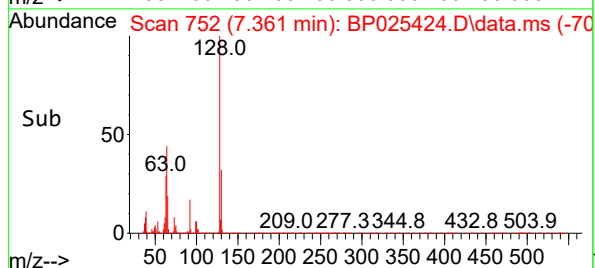
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

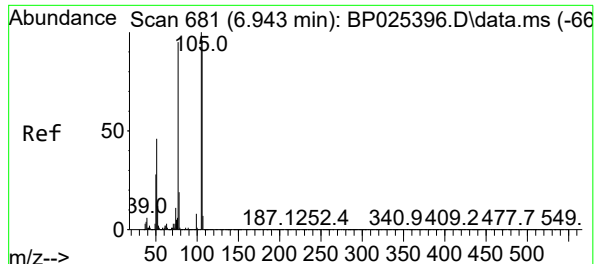


#8
2-Chlorophenol
Concen: 39.944 ng
RT: 7.361 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion:128 Resp: 461335
Ion Ratio Lower Upper
128 100
130 32.2 12.6 52.6
64 44.2 23.4 63.4





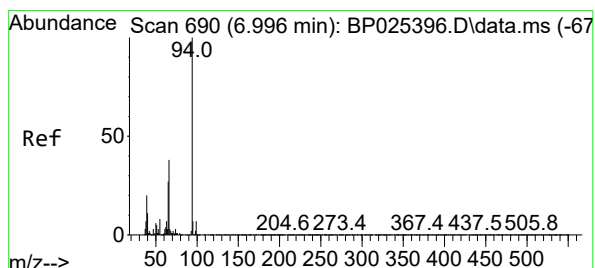
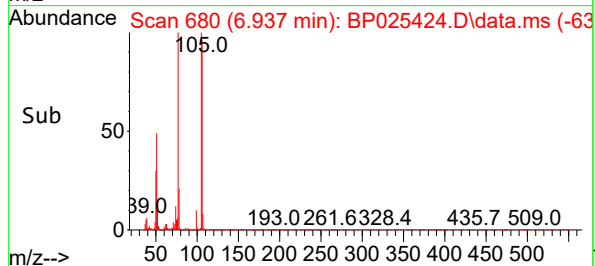
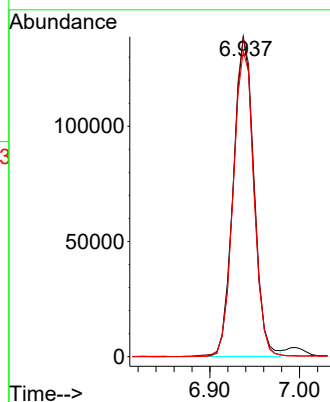
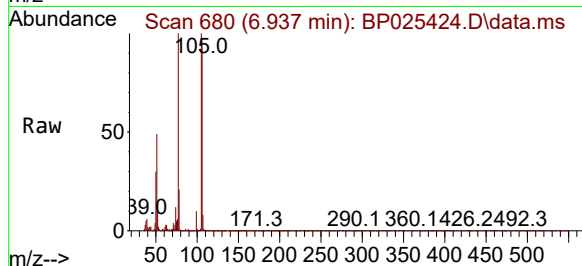
#9
Benzaldehyde
Concen: 23.853 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
PB169230BS

Tgt Ion: 77 Resp: 21929
Ion Ratio Lower Upper
77 100
105 99.6 84.8 124.8
106 95.6 80.5 120.5

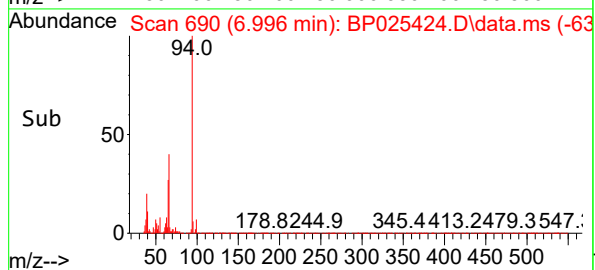
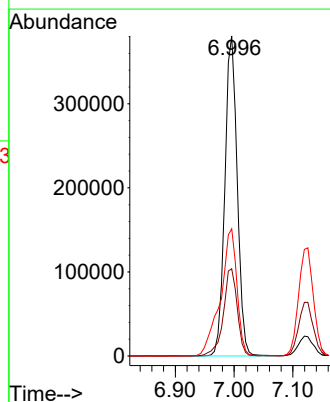
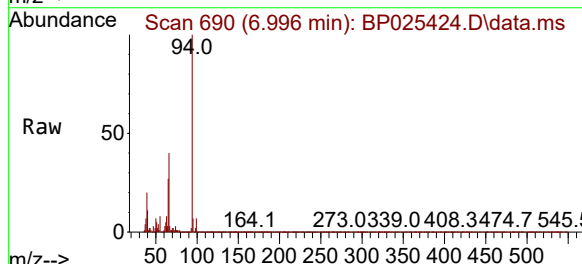
Manual Integrations
APPROVED

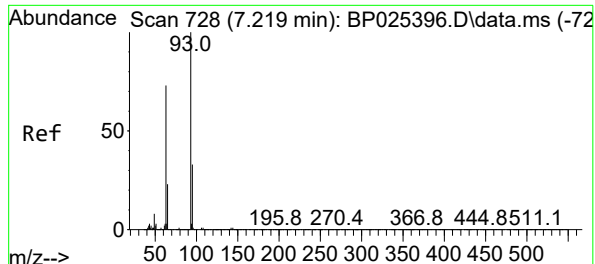
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#10
Phenol
Concen: 40.400 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 94 Resp: 556276
Ion Ratio Lower Upper
94 100
65 27.3 6.8 46.8
66 39.7 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 37.131 ng

RT: 7.219 min Scan# 728

Delta R.T. 0.000 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion: 93 Resp: 39848

Ion Ratio Lower Upper

93 100

63 74.6 52.6 92.6

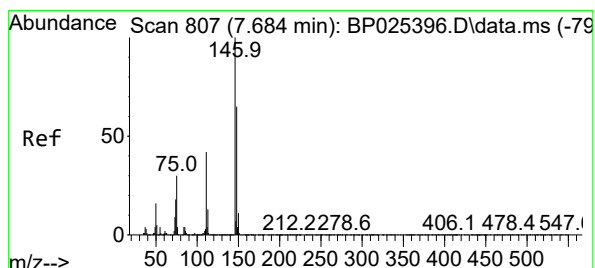
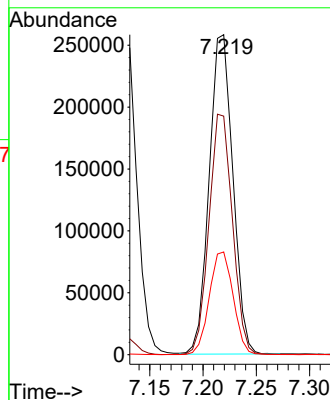
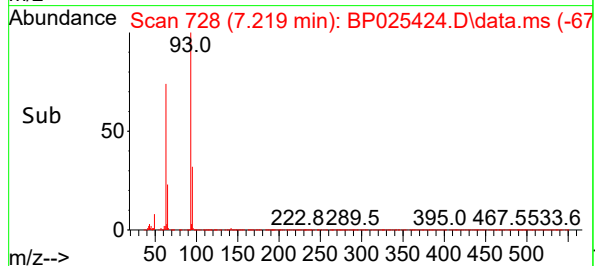
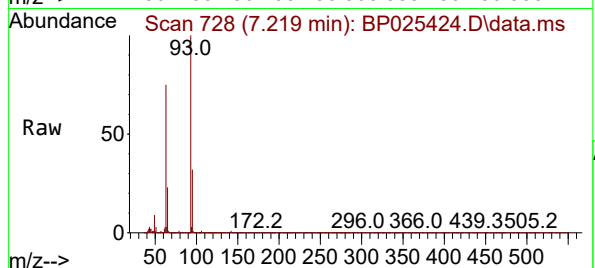
95 32.1 12.7 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#12

1,3-Dichlorobenzene

Concen: 38.209 ng

RT: 7.684 min Scan# 807

Delta R.T. 0.000 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

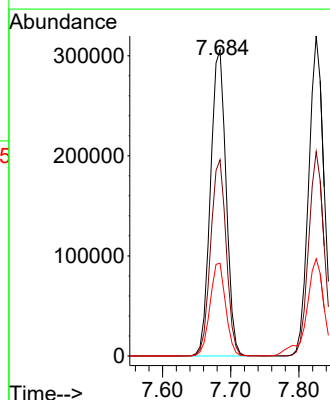
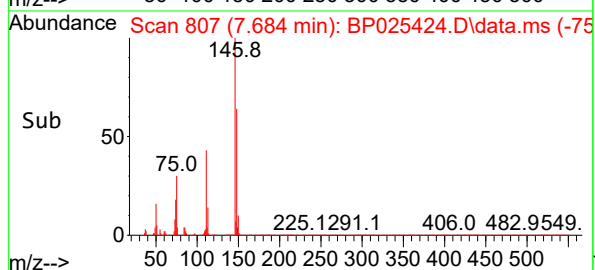
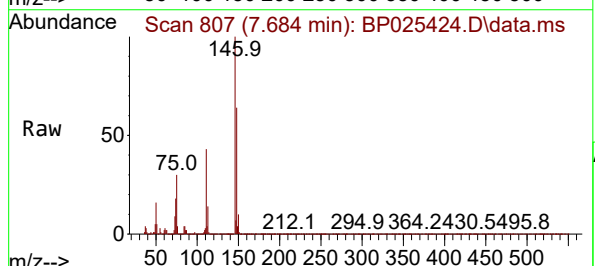
Tgt Ion:146 Resp: 486604

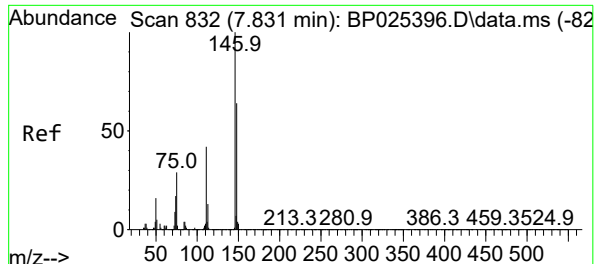
Ion Ratio Lower Upper

146 100

148 64.1 51.9 77.9

75 30.3 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 37.943 ng

RT: 7.825 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:146 Resp: 49390

Ion Ratio Lower Upper

146 100

148 63.9 51.6 77.4

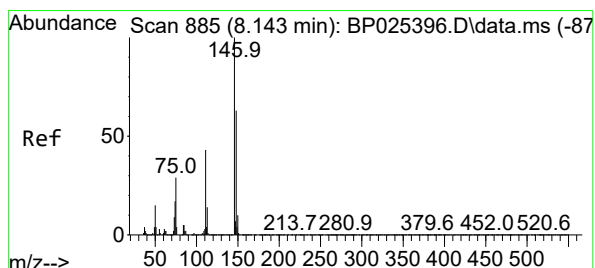
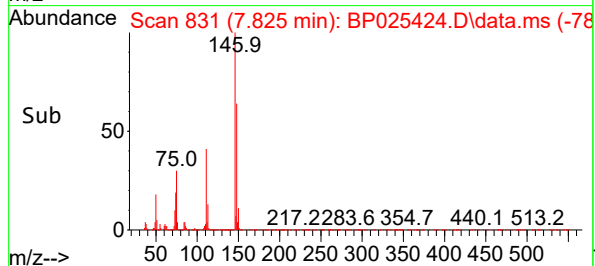
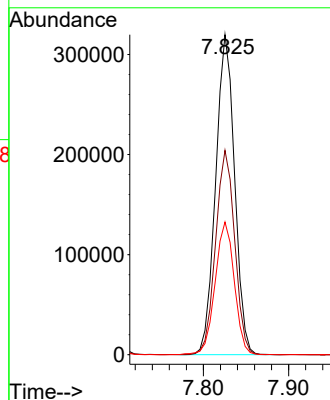
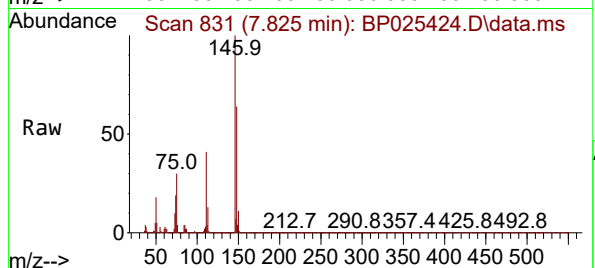
111 41.4 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#14

1,2-Dichlorobenzene

Concen: 37.582 ng

RT: 8.137 min Scan# 884

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

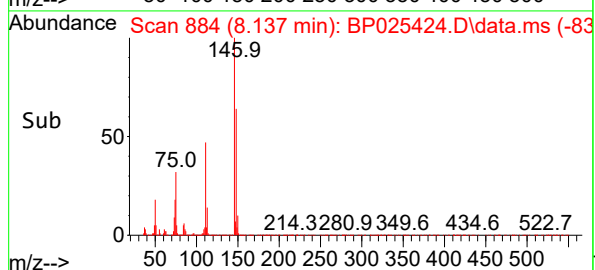
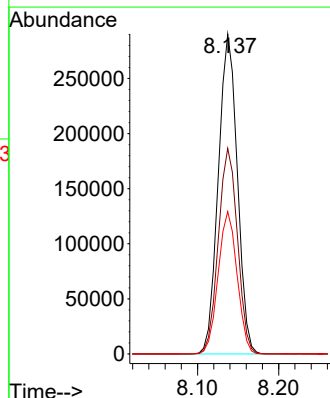
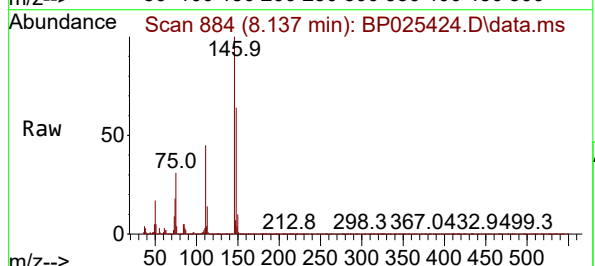
Tgt Ion:146 Resp: 473554

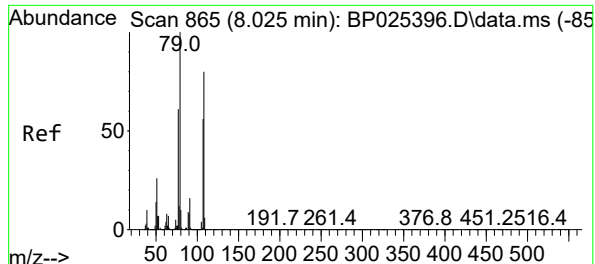
Ion Ratio Lower Upper

146 100

148 64.3 50.4 75.6

111 44.5 34.5 51.7





#15

Benzyl Alcohol

Concen: 38.459 ng

RT: 8.019 min Scan# 80

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion: 79 Resp: 400980

Ion Ratio Lower Upper

79 100

108 77.0 63.8 95.6

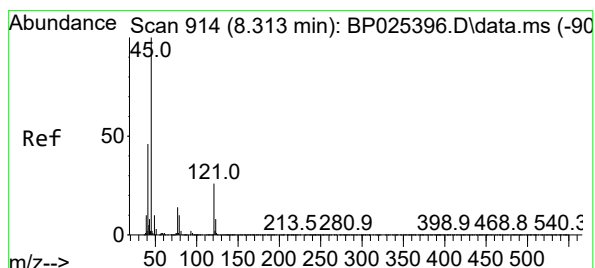
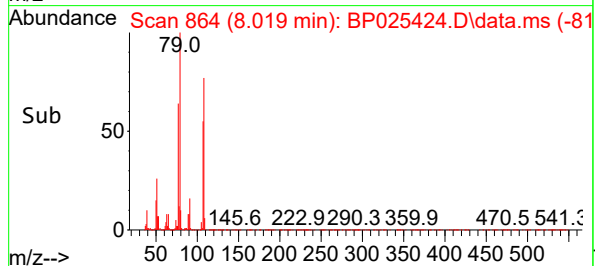
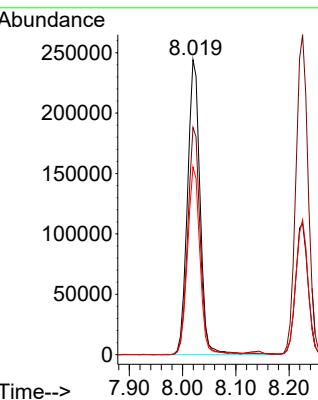
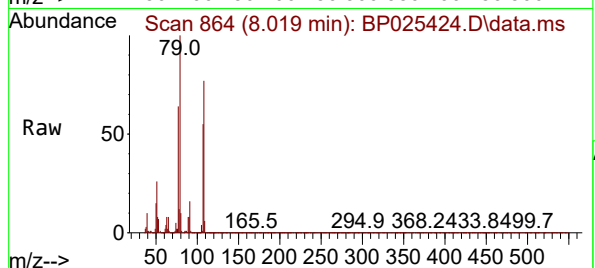
77 63.7 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.382 ng

RT: 8.308 min Scan# 913

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

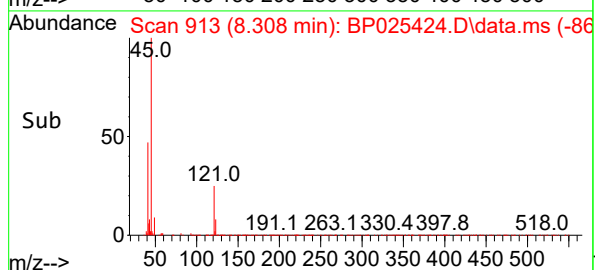
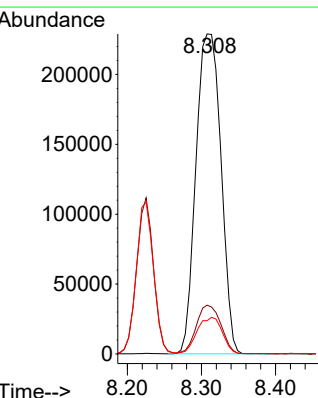
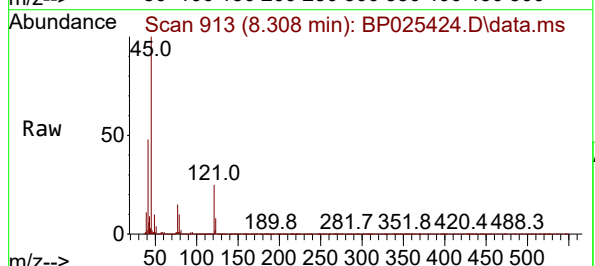
Tgt Ion: 45 Resp: 537421

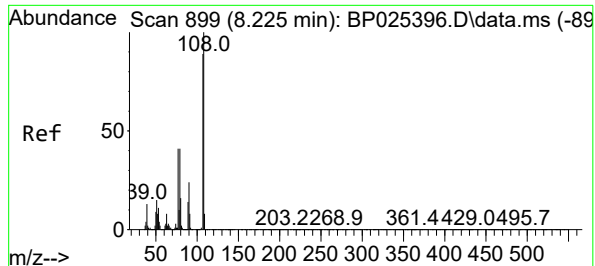
Ion Ratio Lower Upper

45 100

77 15.3 0.0 35.3

79 10.4 0.0 31.8





#17

2-Methylphenol

Concen: 39.655 ng

RT: 8.225 min Scan# 899

Delta R.T. 0.000 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:107 Resp: 37922

Ion Ratio Lower Upper

107 100

108 110.2 89.4 134.0

77 46.5 36.3 54.5

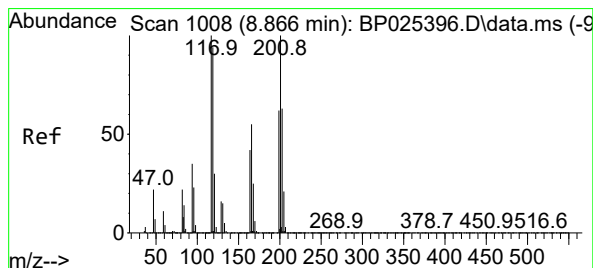
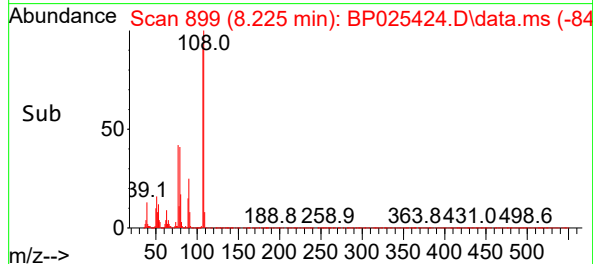
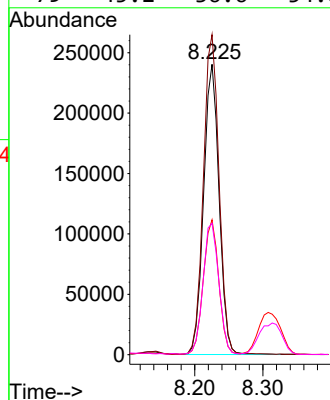
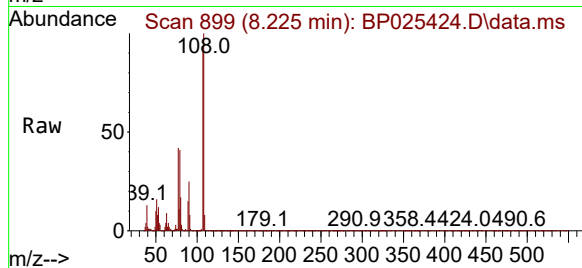
79 45.2 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#18

Hexachloroethane

Concen: 38.719 ng

RT: 8.861 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

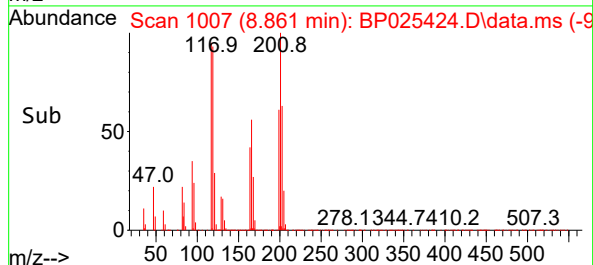
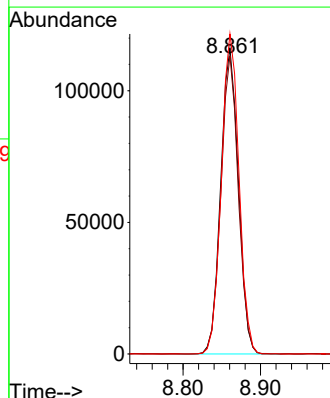
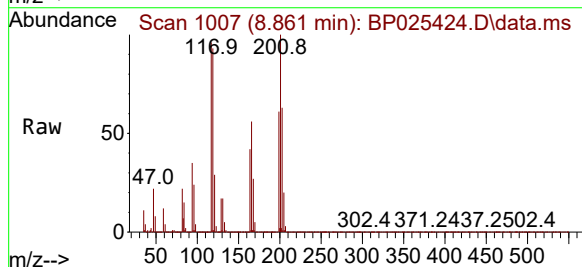
Tgt Ion:117 Resp: 185309

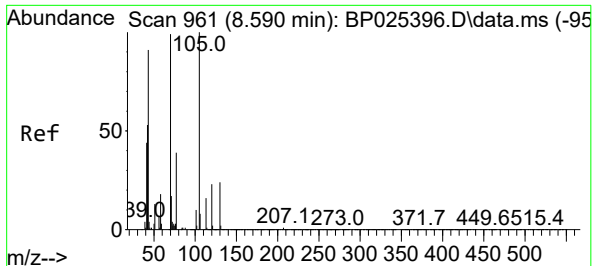
Ion Ratio Lower Upper

117 100

119 97.6 75.1 112.7

201 104.7 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 35.282 ng

RT: 8.584 min Scan# 90

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion: 70 Resp: 306664

Ion Ratio Lower Upper

70 100

42 58.8 43.8 65.6

101 11.2 8.5 12.7

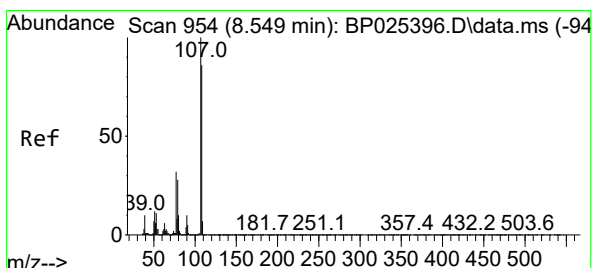
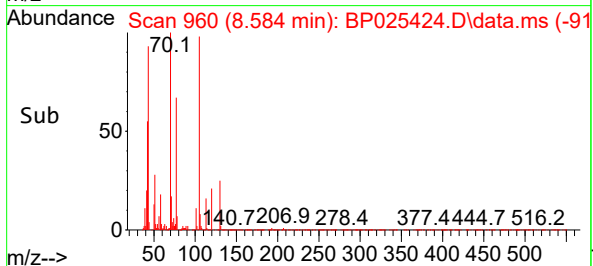
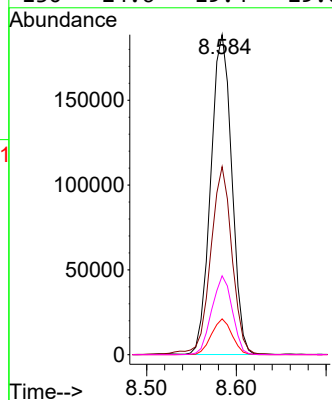
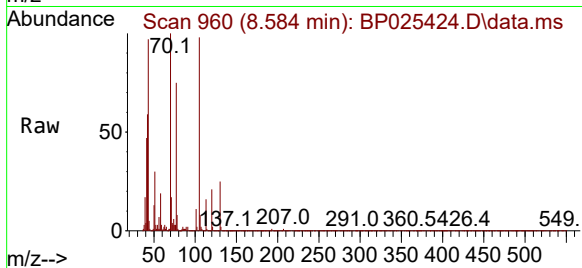
130 24.6 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#20

3+4-Methylphenols

Concen: 38.831 ng

RT: 8.543 min Scan# 953

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Tgt Ion:107 Resp: 514736

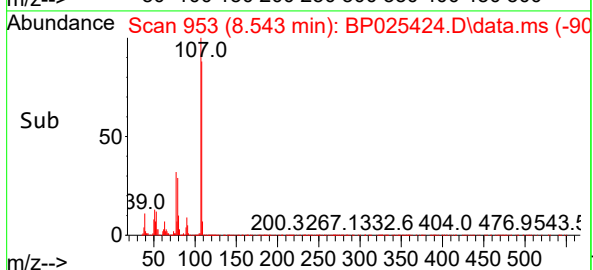
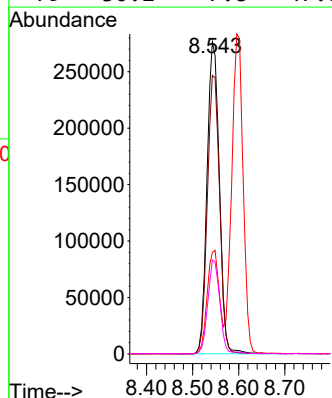
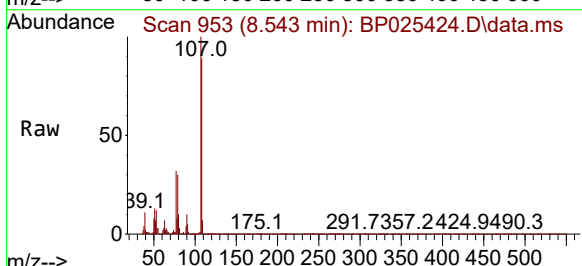
Ion Ratio Lower Upper

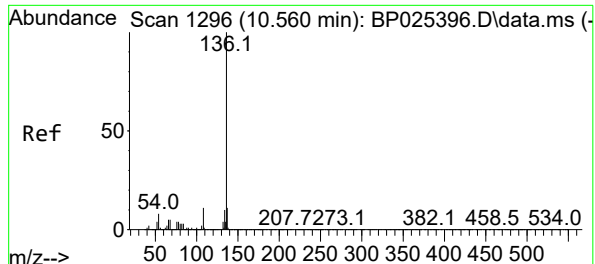
107 100

108 89.3 66.3 106.3

77 32.5 12.3 52.3

79 30.2 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.555 min Scan# 1295

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:136 Resp: 670319

Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 8.0 6.0 9.0

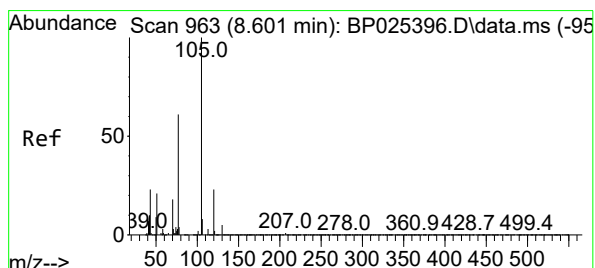
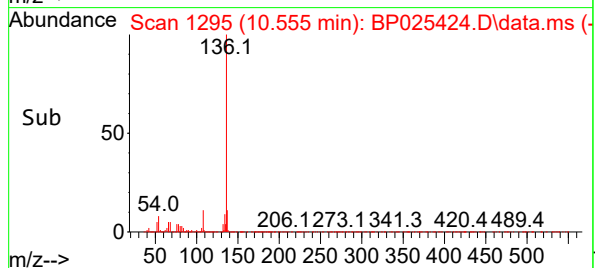
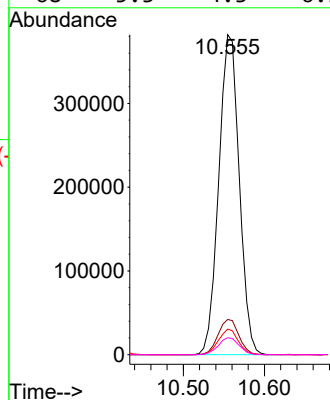
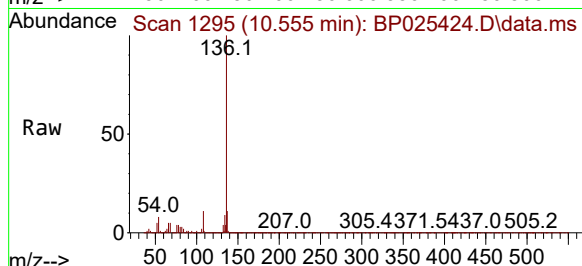
68 5.3 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#22

Acetophenone

Concen: 38.428 ng

RT: 8.596 min Scan# 962

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Tgt Ion:105 Resp: 645991

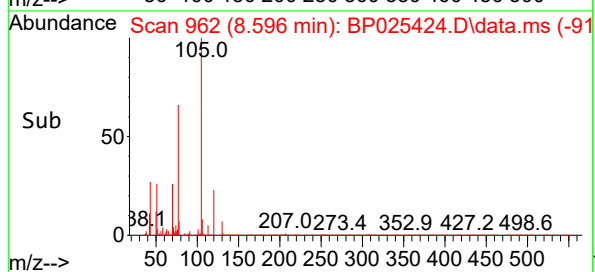
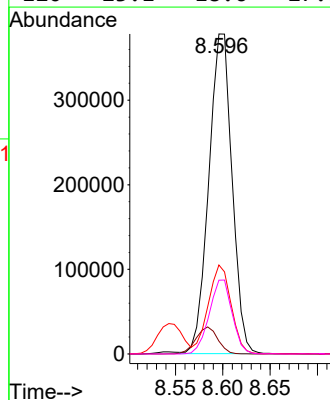
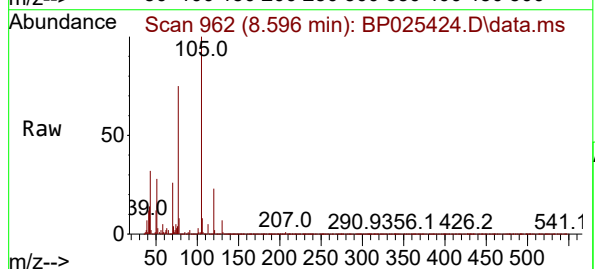
Ion Ratio Lower Upper

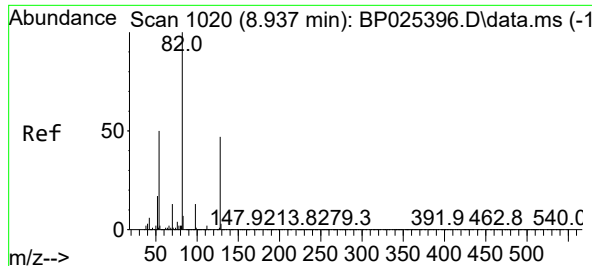
105 100

71 4.0 2.6 4.0#

51 27.8 20.6 30.8

120 23.1 18.6 27.8





#23

Nitrobenzene-d5

Concen: 69.619 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion: 82 Resp: 92254

Ion Ratio Lower Upper

82 100

128 45.7 37.7 56.5

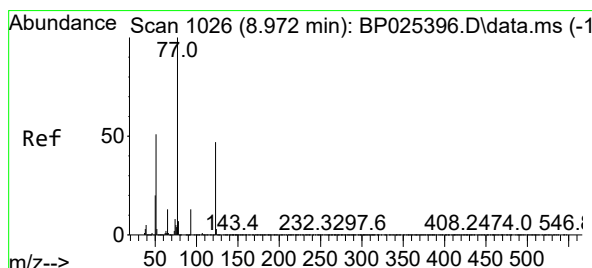
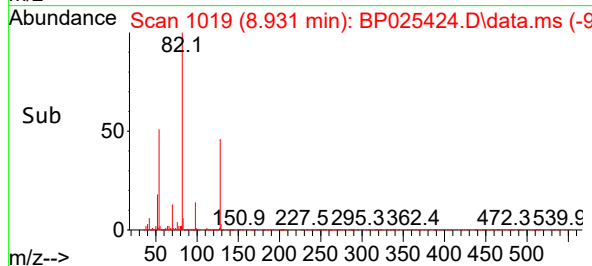
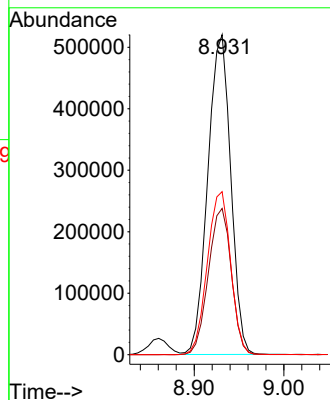
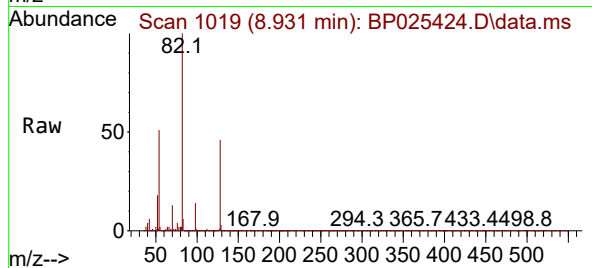
54 50.9 39.8 59.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#24

Nitrobenzene

Concen: 39.722 ng

RT: 8.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

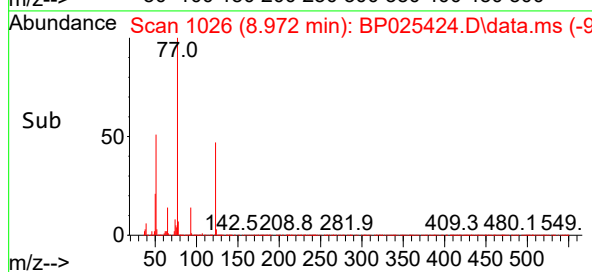
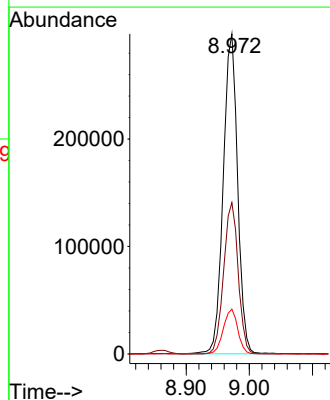
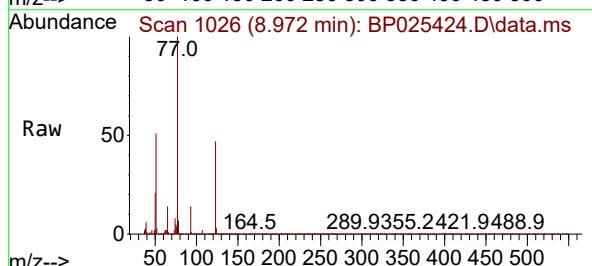
Tgt Ion: 77 Resp: 470422

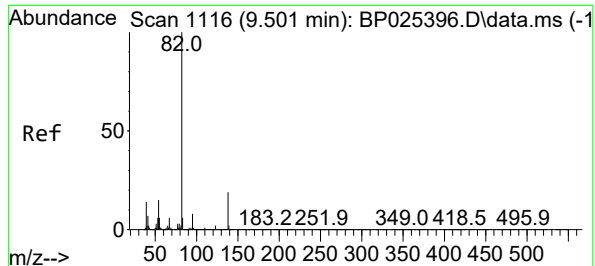
Ion Ratio Lower Upper

77 100

123 47.3 38.6 58.0

65 14.0 10.6 15.8





#25

Isophorone

Concen: 36.989 ng

RT: 9.496 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

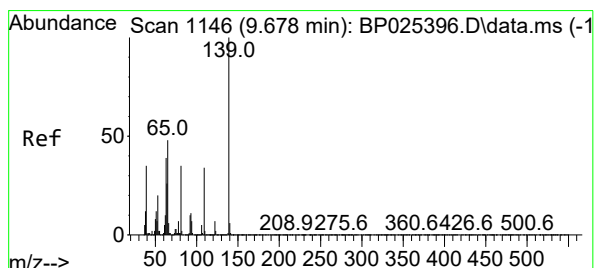
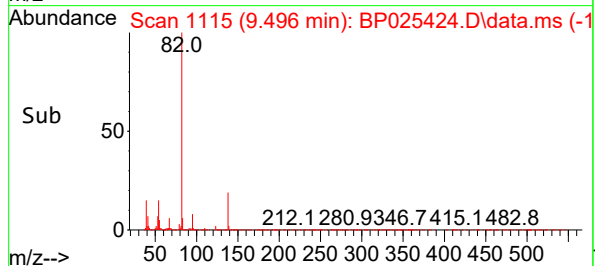
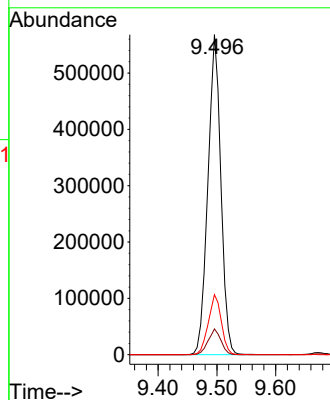
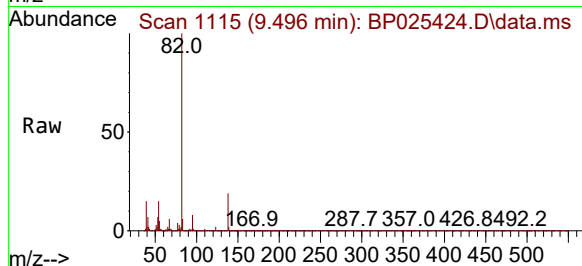
PB169230BS

Tgt Ion:	82	Resp:	86744
Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.4	9.6
138	18.7	15.4	23.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#26

2-Nitrophenol

Concen: 39.160 ng

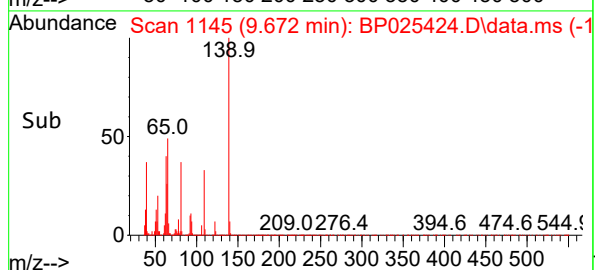
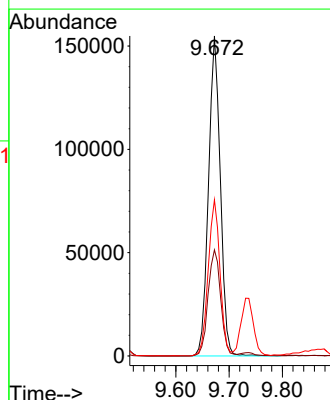
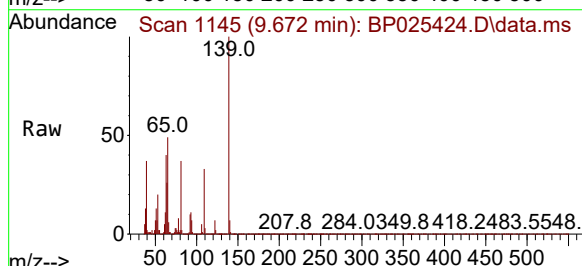
RT: 9.672 min Scan# 1145

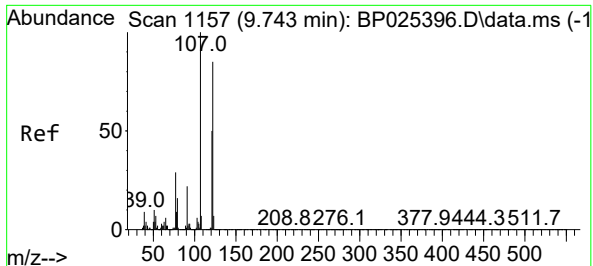
Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Tgt Ion:	139	Resp:	238004
Ion	Ratio	Lower	Upper
139	100		
109	33.2	26.9	40.3
65	48.8	38.3	57.5





#27

2,4-Dimethylphenol

Concen: 40.790 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:122 Resp: 42633

Ion Ratio Lower Upper

122 100

107 119.6 93.7 140.5

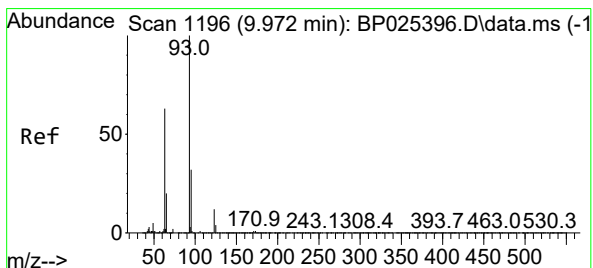
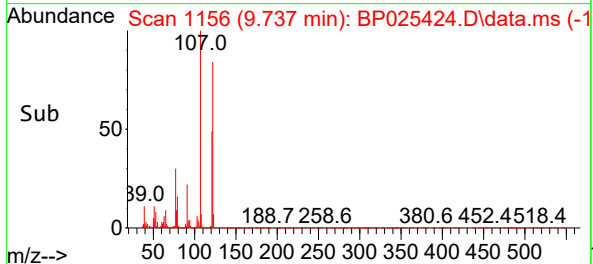
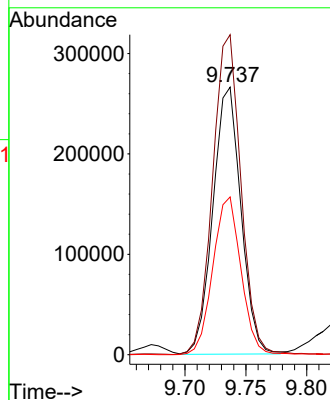
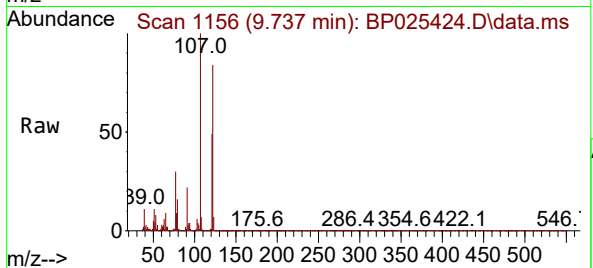
121 59.0 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 37.610 ng

RT: 9.966 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

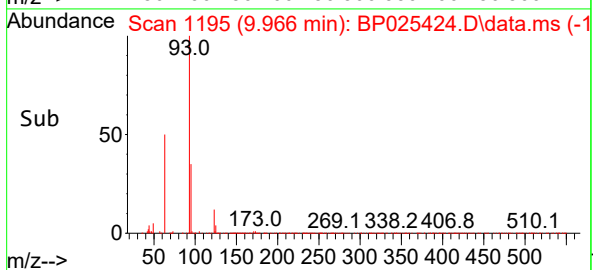
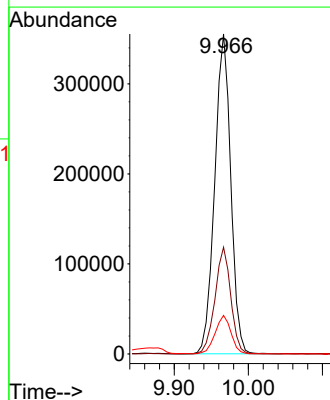
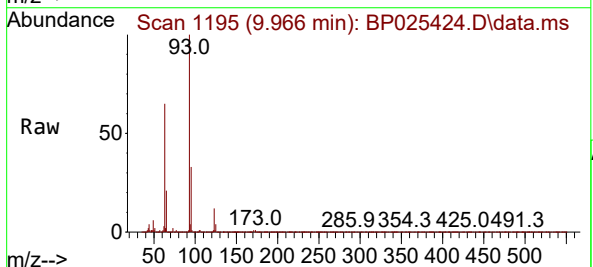
Tgt Ion: 93 Resp: 533145

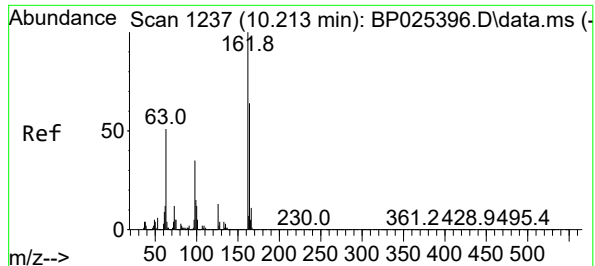
Ion Ratio Lower Upper

93 100

95 33.4 25.4 38.0

123 12.0 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 41.501 ng

RT: 10.208 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:162 Resp: 430899

Ion Ratio Lower Upper

162 100

164 64.4 44.4 84.4

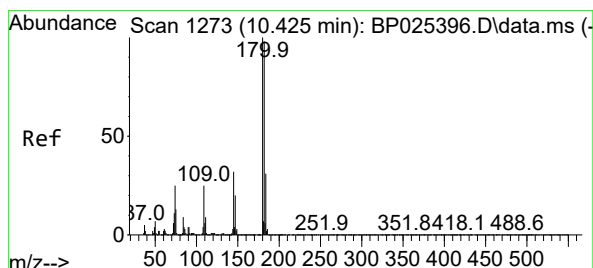
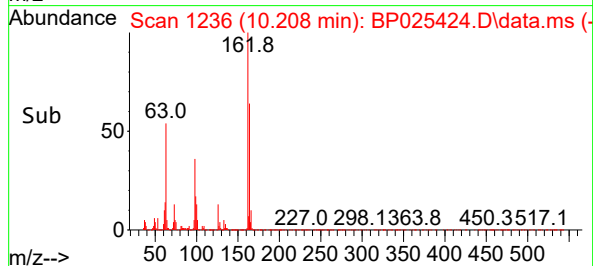
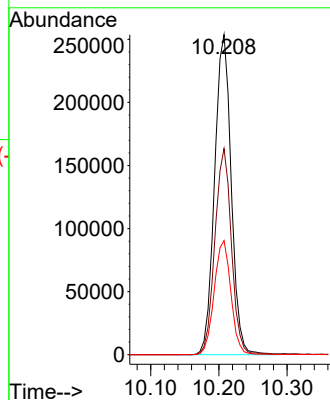
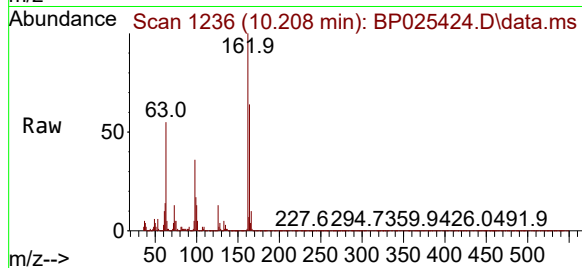
98 35.7 14.9 54.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 38.606 ng

RT: 10.419 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

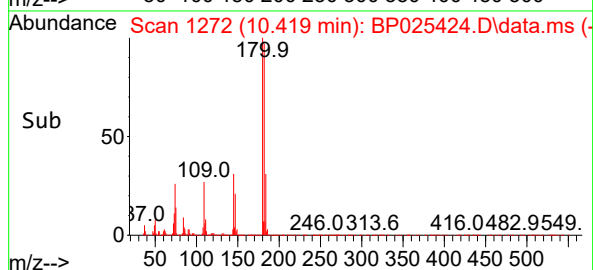
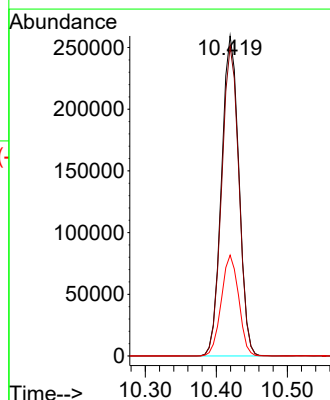
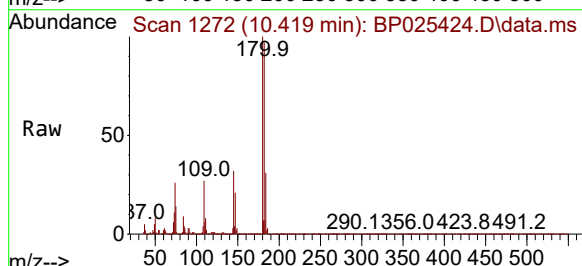
Tgt Ion:180 Resp: 439417

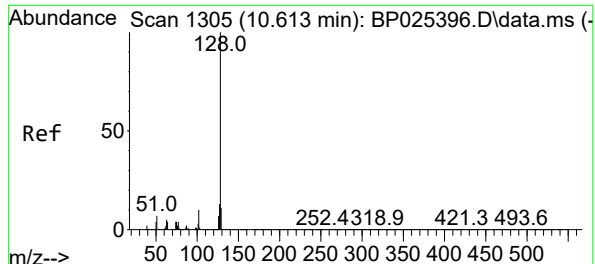
Ion Ratio Lower Upper

180 100

182 96.7 78.0 117.0

145 31.5 25.9 38.9





#31

Naphthalene

Concen: 38.560 ng

RT: 10.608 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:128 Resp: 134345

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

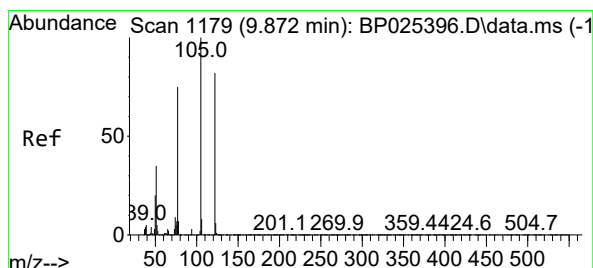
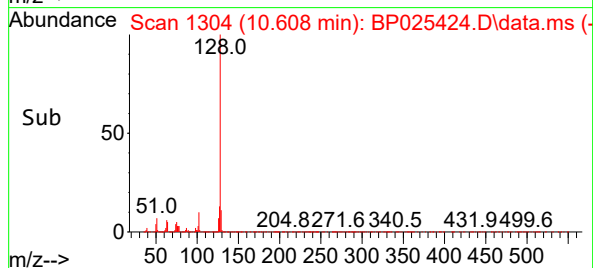
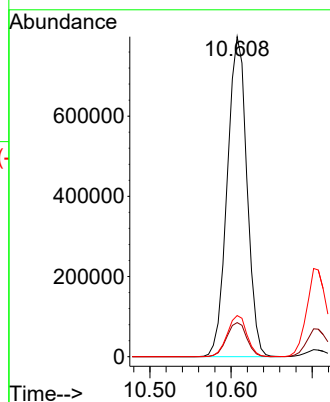
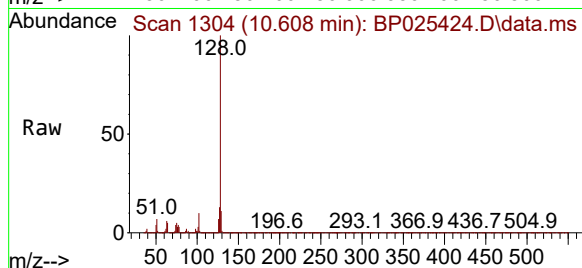
127 12.9 10.7 16.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#32

Benzoic acid

Concen: 39.703 ng

RT: 9.878 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

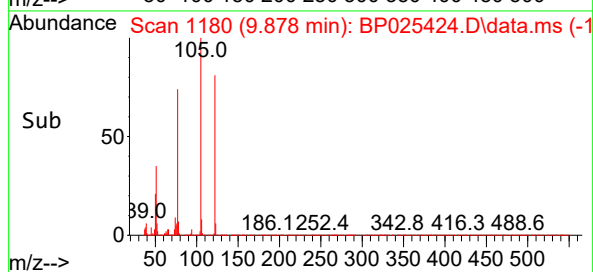
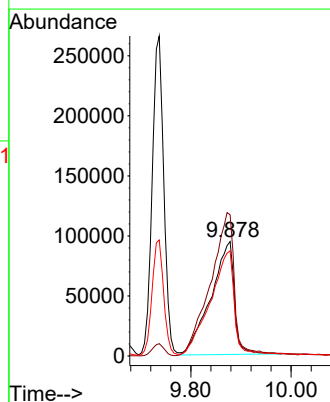
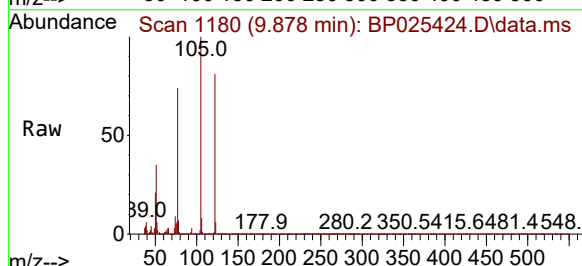
Tgt Ion:122 Resp: 306370

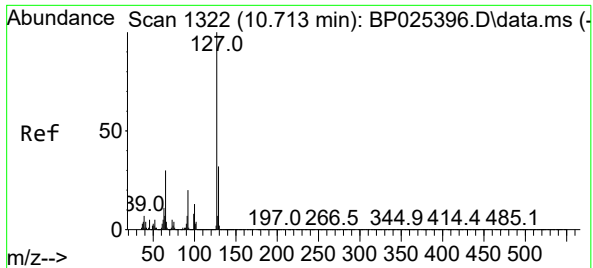
Ion Ratio Lower Upper

122 100

105 123.6 100.6 140.6

77 91.9 71.5 111.5





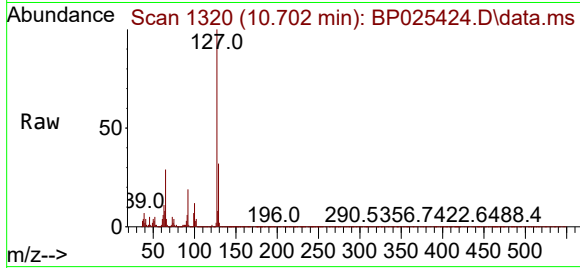
#33
4-Chloroaniline
Concen: 25.043 ng
RT: 10.702 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

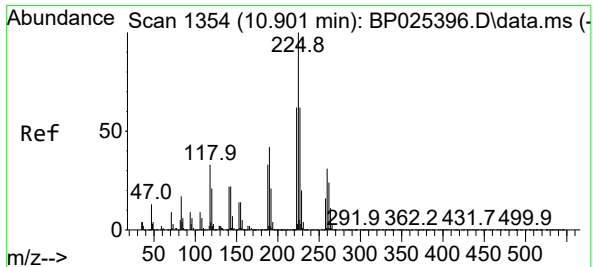
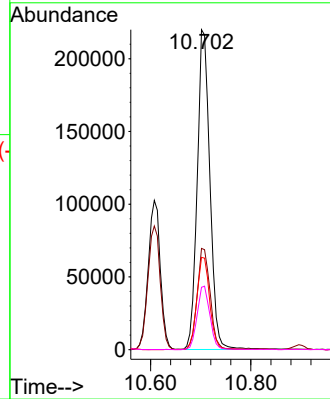
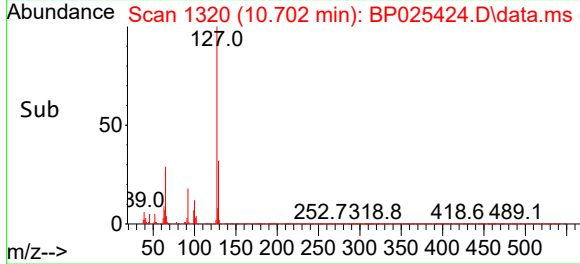


Tgt Ion:127 Resp: 385400
Ion Ratio Lower Upper
127 100
129 31.6 25.4 38.2
65 28.8 23.8 35.6
92 19.5 15.8 23.8

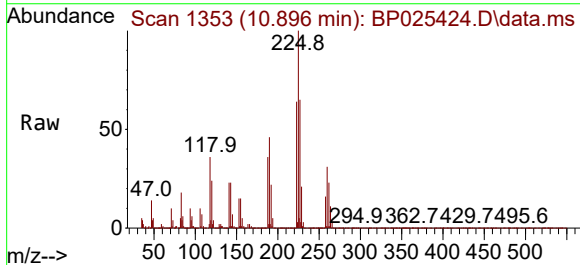
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Reviewed By :Rahul Chavli 08/18/2025

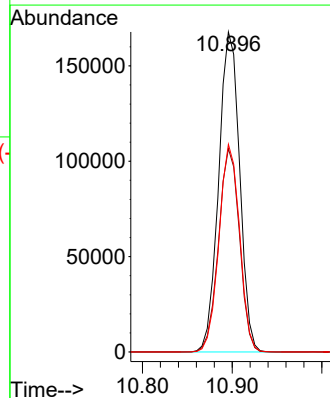
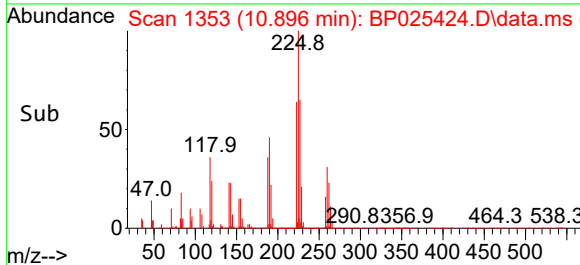
Supervised By :Jagrut Upadhyay 08/18/2025

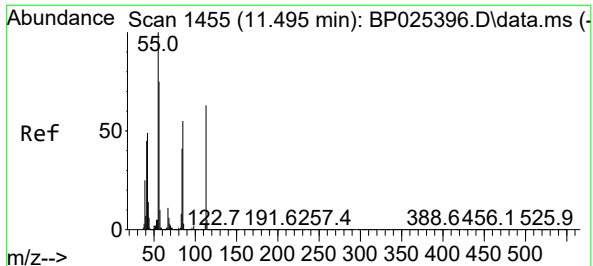


#34
Hexachlorobutadiene
Concen: 38.391 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion:225 Resp: 272129
Ion Ratio Lower Upper
225 100
223 63.5 50.0 75.0
227 64.9 49.7 74.5





#35

Caprolactam

Concen: 38.511 ng

RT: 11.490 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:113 Resp: 14662

Ion Ratio Lower Upper

113 100

55 151.2 140.0 180.0

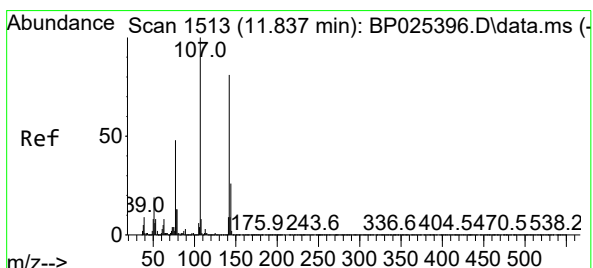
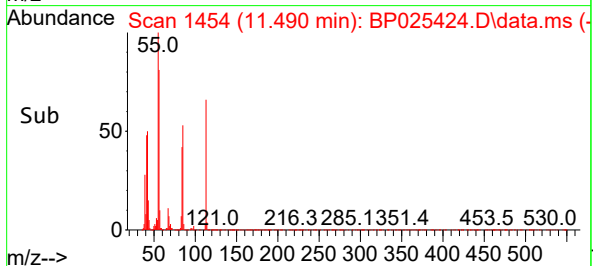
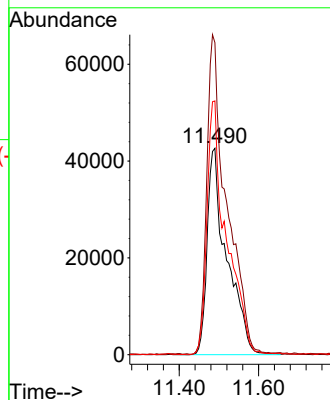
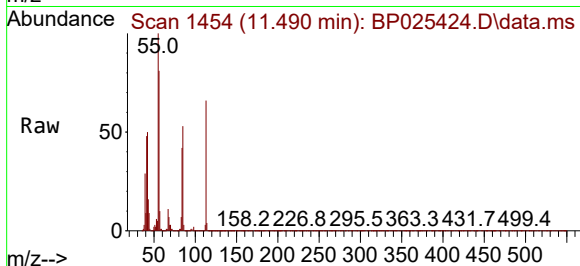
56 122.9 100.0 140.0

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#36

4-Chloro-3-methylphenol

Concen: 40.832 ng

RT: 11.831 min Scan# 1512

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

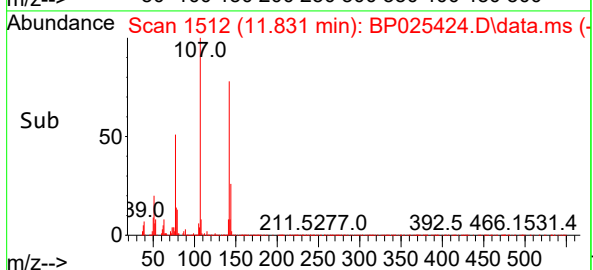
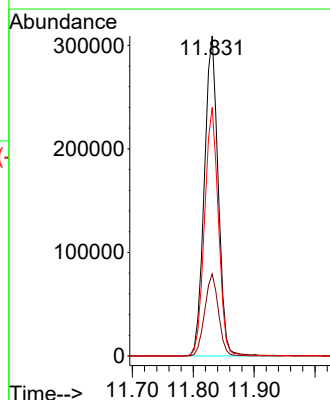
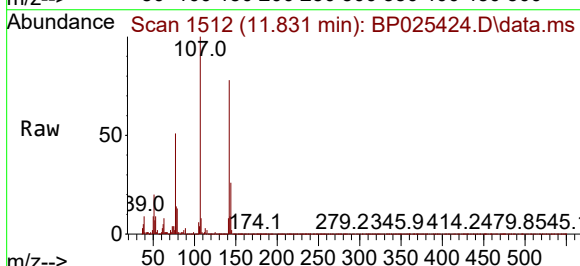
Tgt Ion:107 Resp: 486472

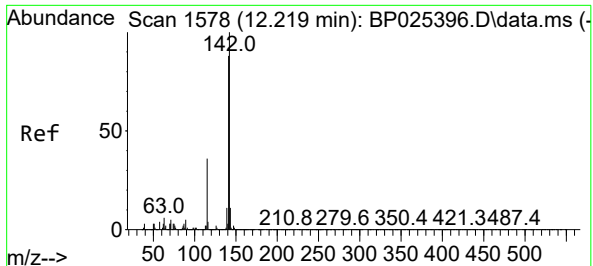
Ion Ratio Lower Upper

107 100

144 25.7 21.0 31.4

142 77.6 64.6 97.0





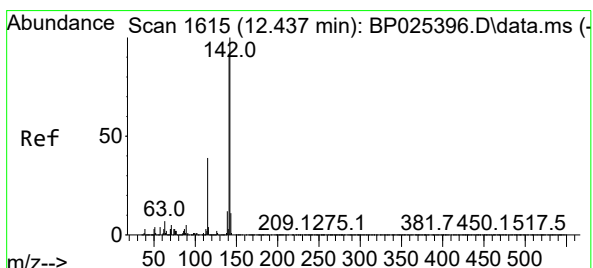
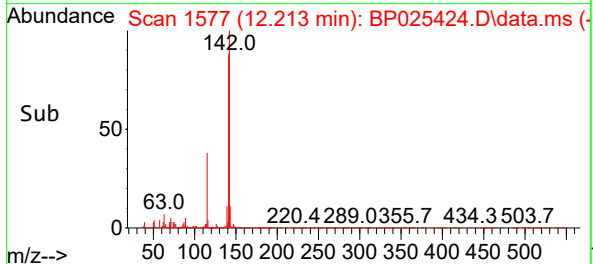
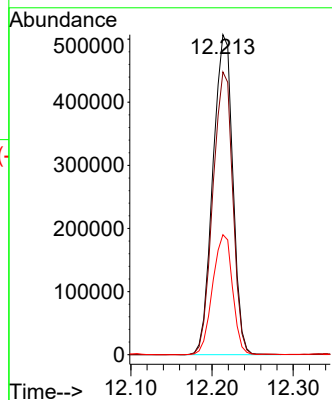
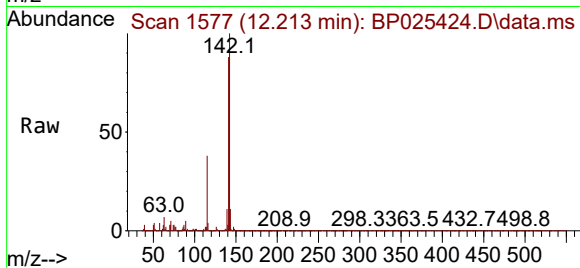
#37
2-Methylnaphthalene
Concen: 38.128 ng
RT: 12.213 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
PB169230BS

Tgt Ion:142 Resp: 864478
Ion Ratio Lower Upper
142 100
141 88.4 70.3 105.5
115 37.5 28.9 43.3

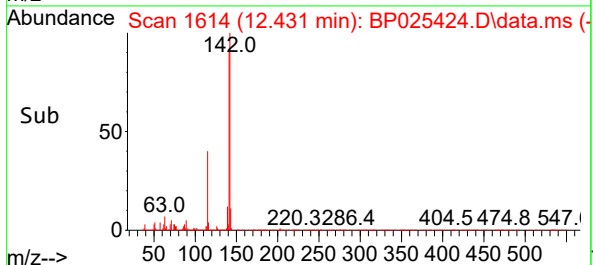
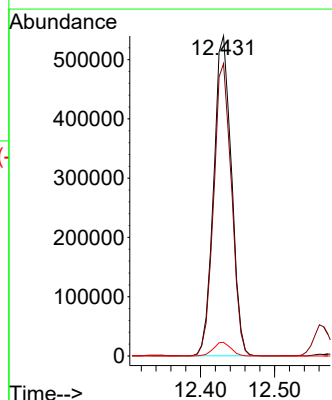
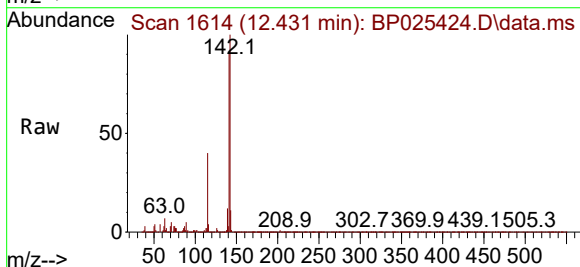
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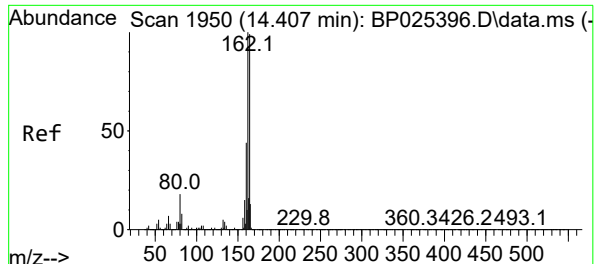
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#38
1-Methylnaphthalene
Concen: 37.251 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:142 Resp: 898180
Ion Ratio Lower Upper
142 100
141 91.3 73.1 109.7
116 4.3 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.396 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:164 Resp: 424018

Ion Ratio Lower Upper

164 100

162 101.5 81.0 121.6

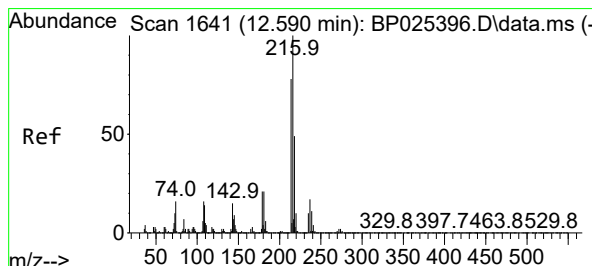
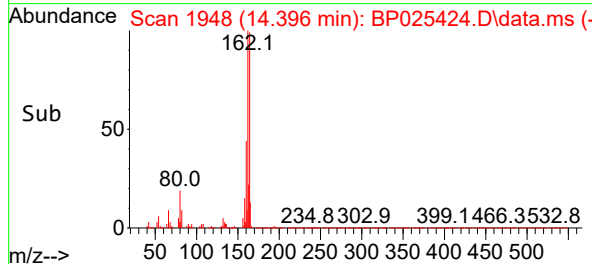
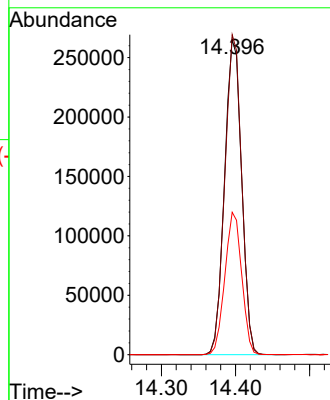
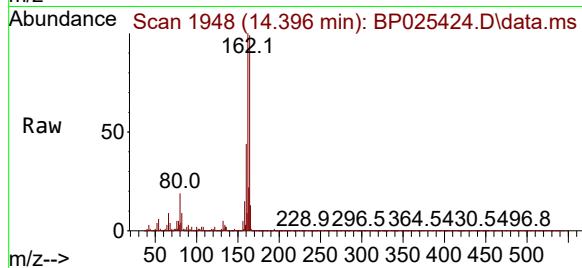
160 45.2 35.4 53.2

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Supervised By :Jagrut Upadhyay 08/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.457 ng

RT: 12.578 min Scan# 1639

Delta R.T. -0.012 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Tgt Ion:216 Resp: 483197

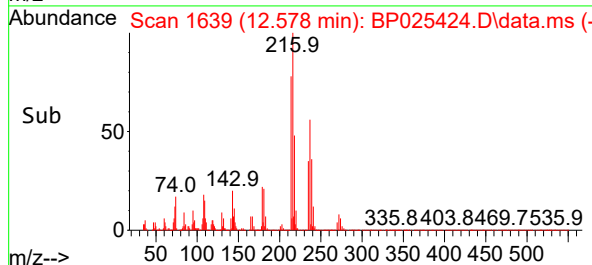
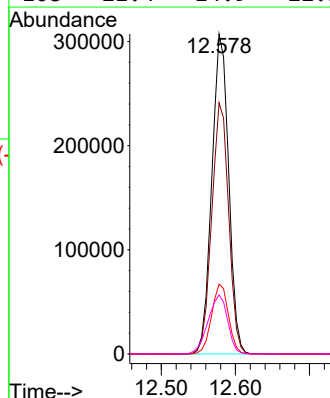
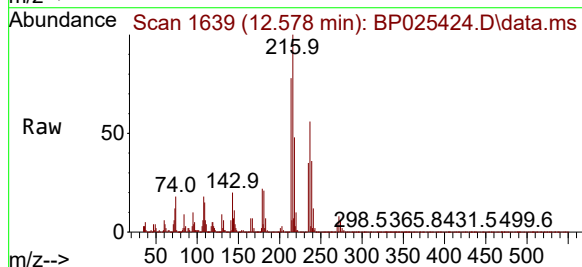
Ion Ratio Lower Upper

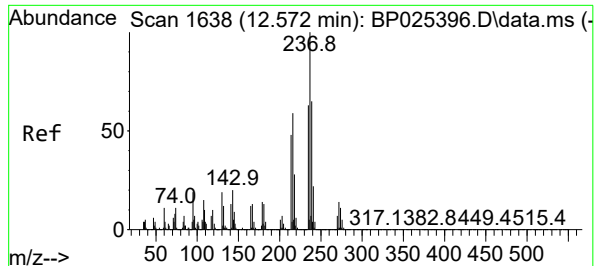
216 100

214 79.0 63.0 94.4

179 21.9 17.1 25.7

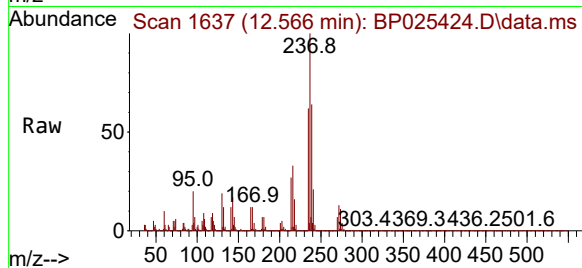
108 21.4 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 86.005 ng
RT: 12.566 min Scan# 110
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

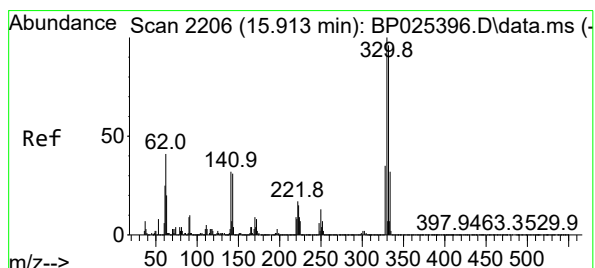
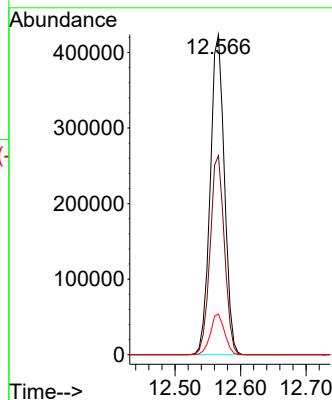
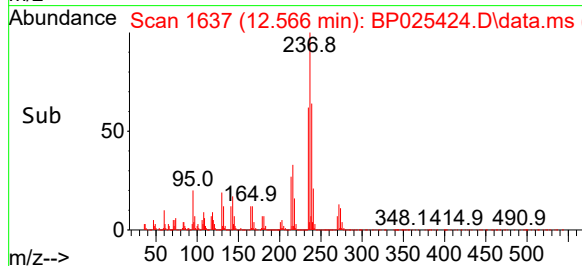
Instrument :
BNA_P
ClientSampleId :
PB169230BS



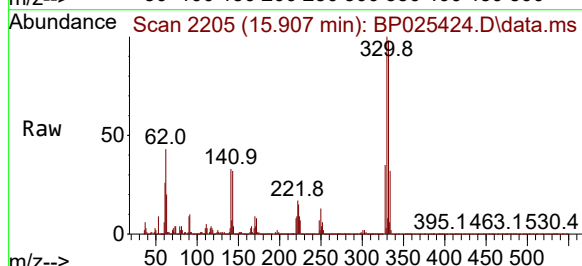
Tgt Ion: 237 Resp: 63619
Ion Ratio Lower Upper
237 100
235 62.2 42.7 82.7
272 12.7 0.0 34.0

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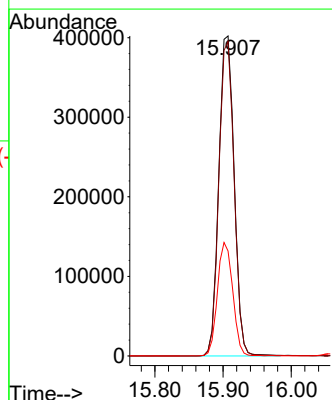
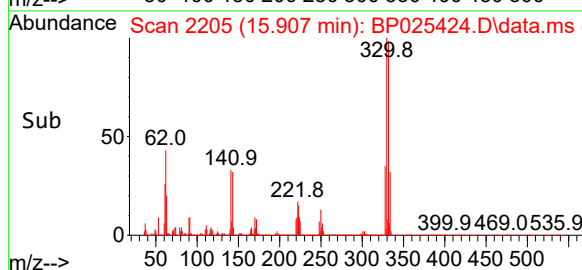
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

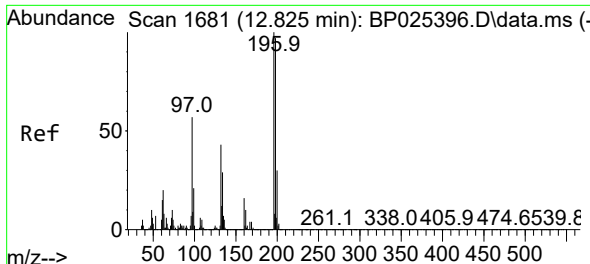


#42
2,4,6-Tribromophenol
Concen: 110.863 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion: 330 Resp: 632733
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 35.4 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 41.596 ng

RT: 12.819 min Scan# 1680

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:196 Resp: 34389

Ion Ratio Lower Upper

196 100

198 97.1 77.2 115.8

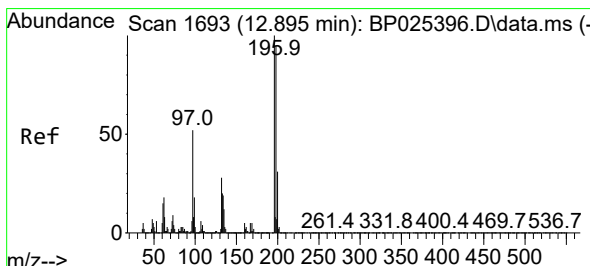
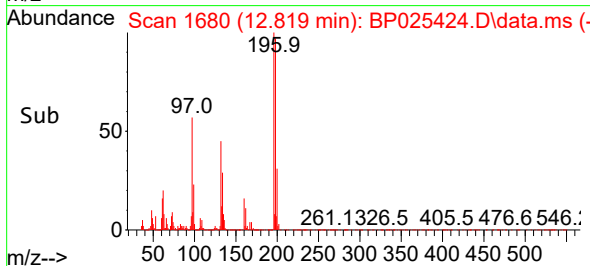
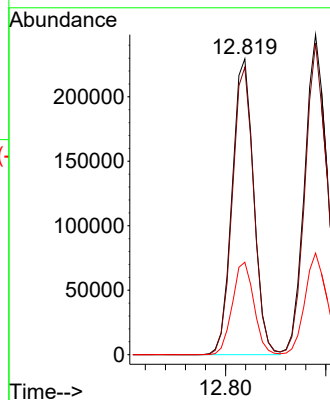
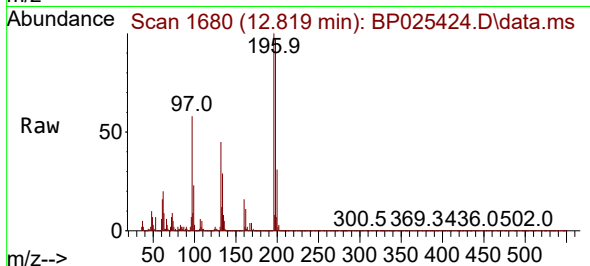
200 31.3 23.9 35.9

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#44

2,4,5-Trichlorophenol

Concen: 42.128 ng

RT: 12.890 min Scan# 1692

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Tgt Ion:196 Resp: 381721

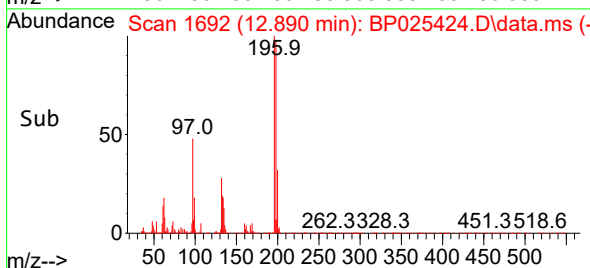
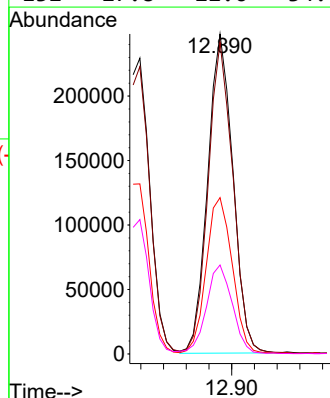
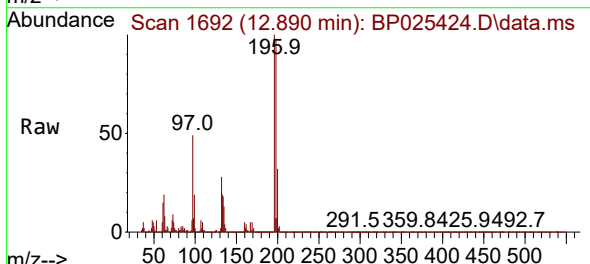
Ion Ratio Lower Upper

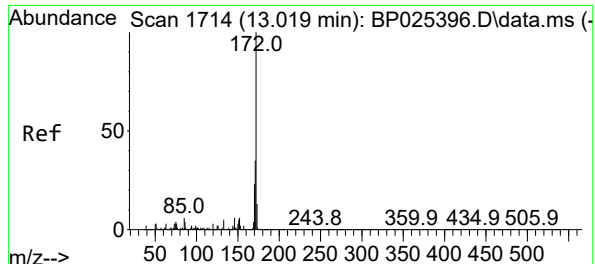
196 100

198 97.4 76.2 114.2

97 48.8 41.2 61.8

132 27.8 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 68.614 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:172 Resp: 212877

Ion Ratio Lower Upper

172 100

171 34.5 28.1 42.1

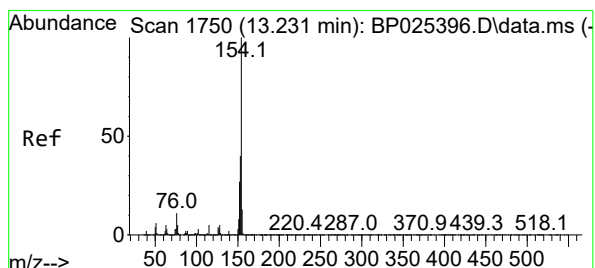
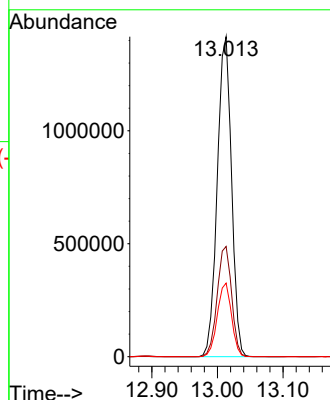
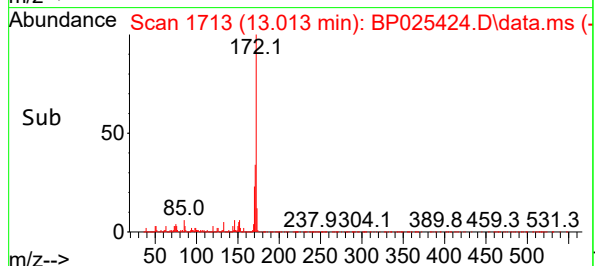
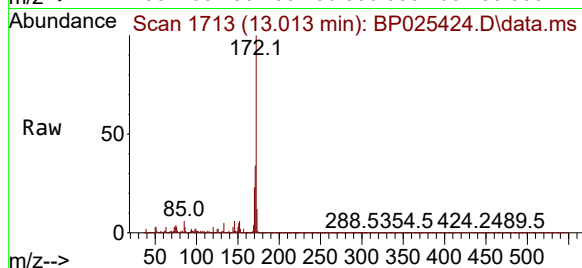
170 23.0 18.6 28.0

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#46

1,1'-Biphenyl

Concen: 40.134 ng

RT: 13.225 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

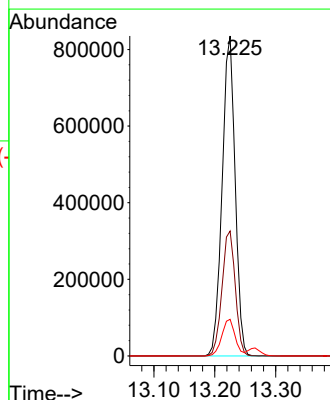
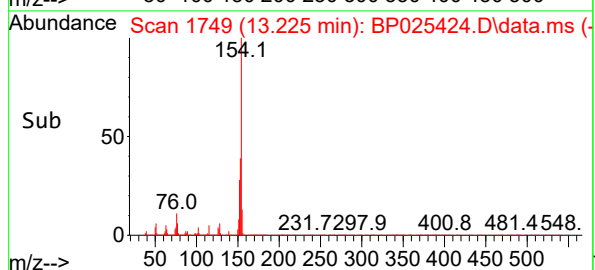
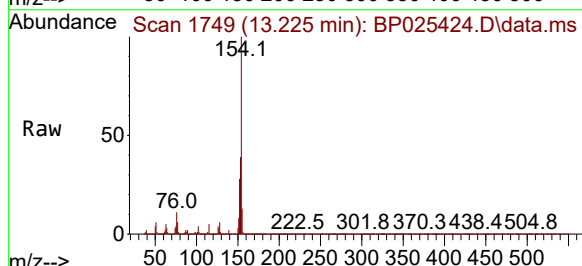
Tgt Ion:154 Resp: 1235911

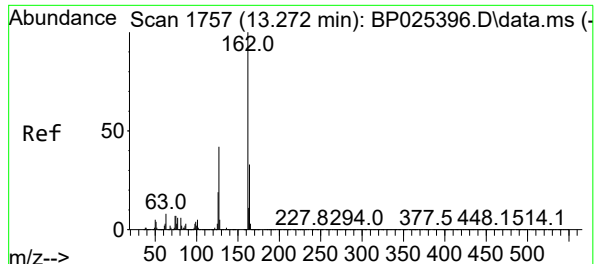
Ion Ratio Lower Upper

154 100

153 39.0 19.5 59.5

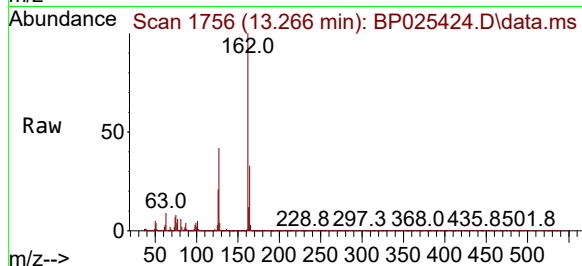
76 11.5 0.0 31.1





#47
2-Chloronaphthalene
Concen: 39.620 ng
RT: 13.266 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

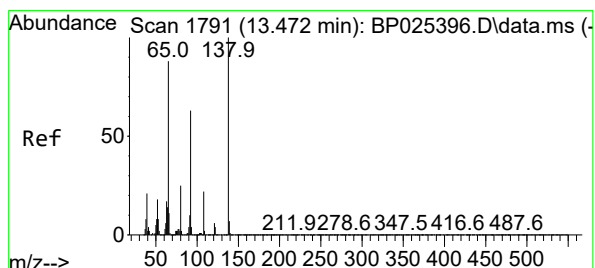
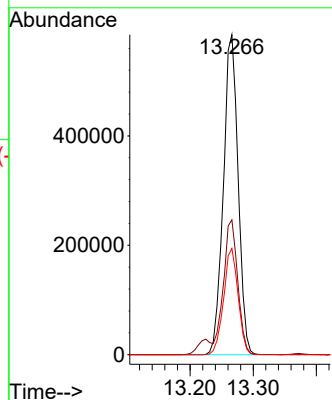
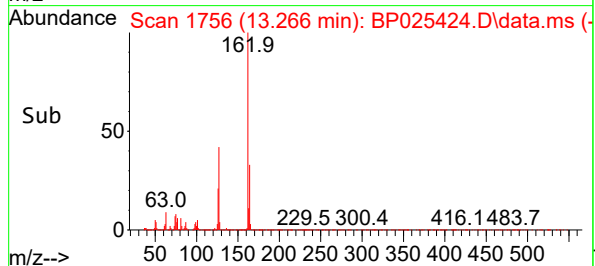
Instrument :
BNA_P
ClientSampleId :
PB169230BS



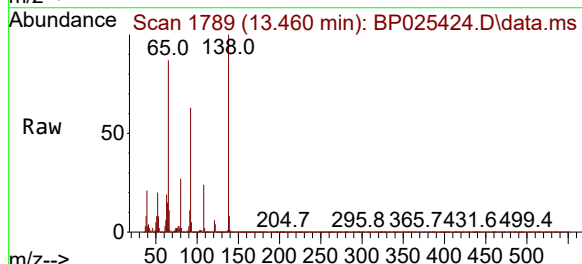
Tgt Ion: 162 Resp: 94983
Ion Ratio Lower Upper
162 100
127 42.2 33.4 50.2
164 33.2 26.2 39.2

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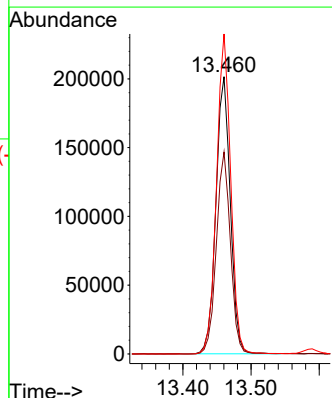
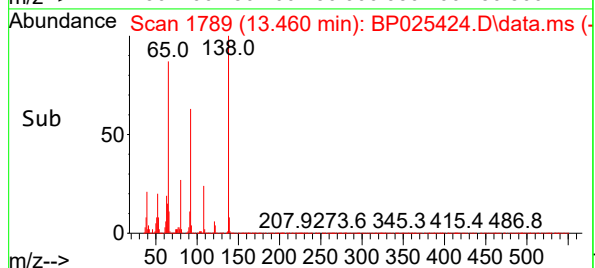
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

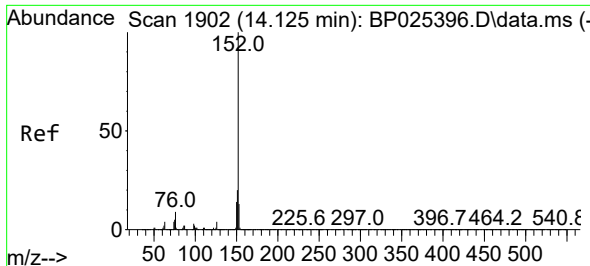


#48
2-Nitroaniline
Concen: 42.432 ng
RT: 13.460 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



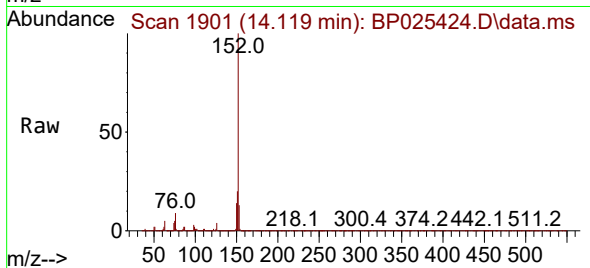
Tgt Ion: 65 Resp: 296397
Ion Ratio Lower Upper
65 100
92 72.8 57.6 86.4
138 115.4 91.0 136.6





#49
Acenaphthylene
Concen: 39.531 ng
RT: 14.119 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

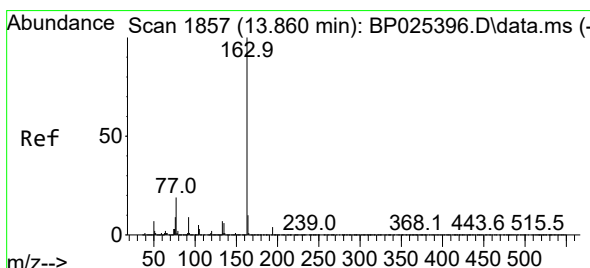
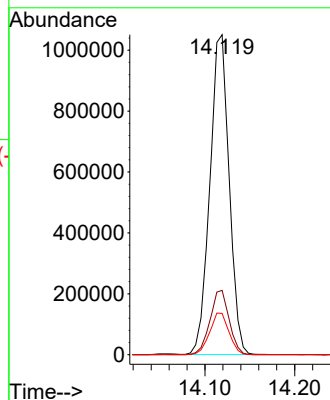
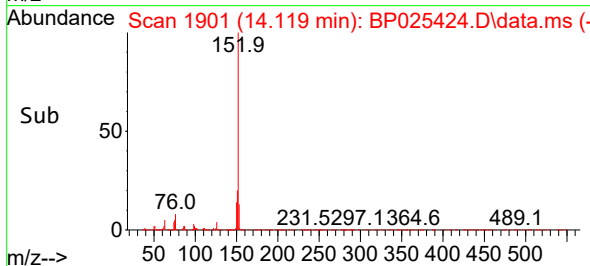
Instrument :
BNA_P
ClientSampleId :
PB169230BS



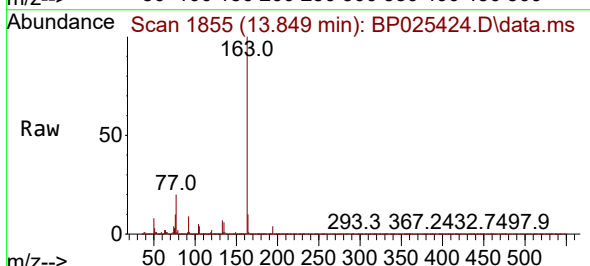
Tgt Ion:152 Resp: 1568169
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 12.9 10.6 15.8

Manual Integrations
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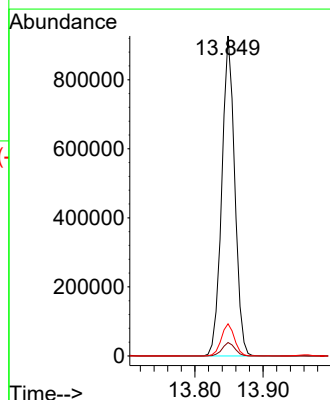
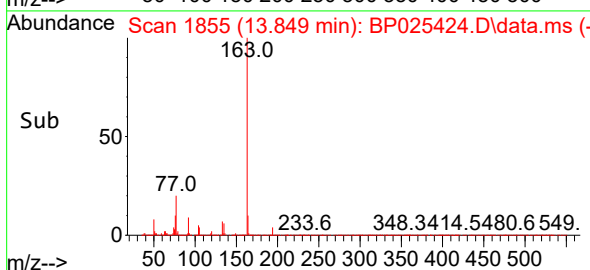
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

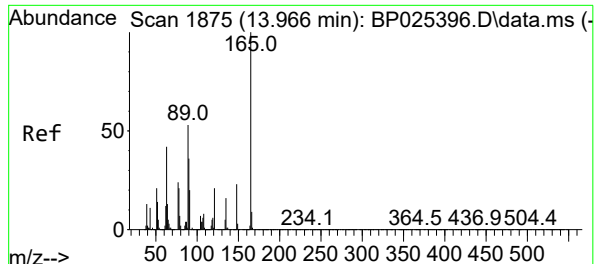


#50
Dimethylphthalate
Concen: 39.412 ng
RT: 13.849 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion:163 Resp: 1223759
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.0 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 41.309 ng
RT: 13.960 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

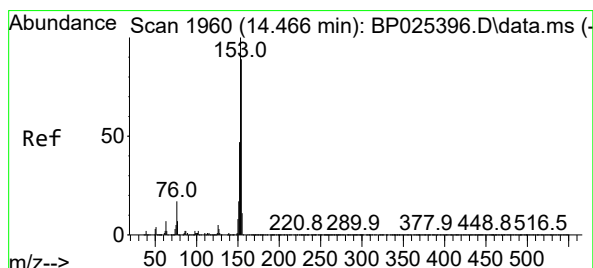
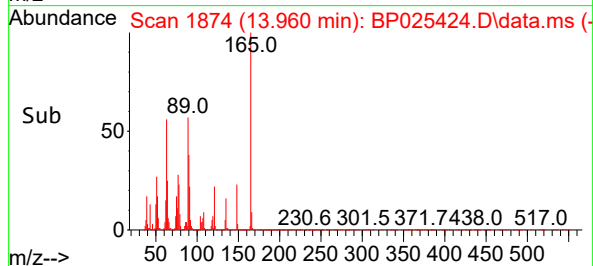
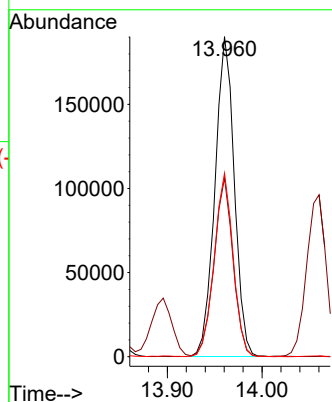
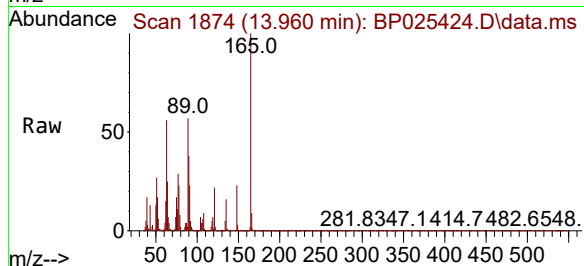
ClientSampleId :

PB169230BS

Tgt Ion:165 Resp: 270344
Ion Ratio Lower Upper
165 100
63 55.9 40.9 61.3
89 57.4 42.1 63.1

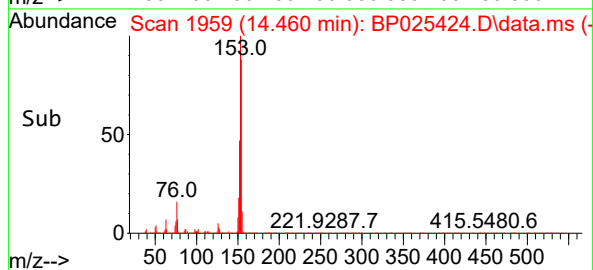
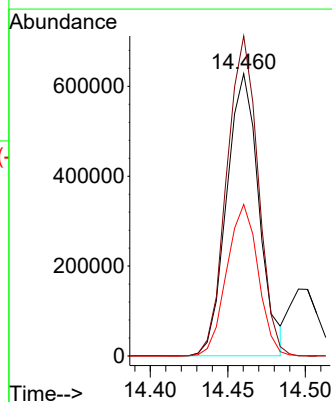
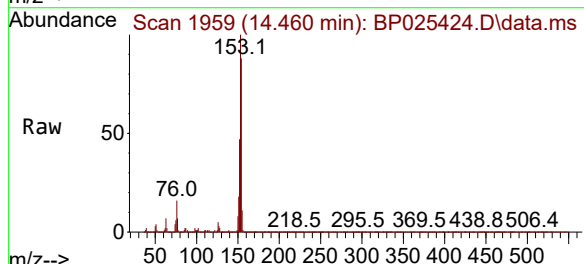
Manual Integrations
APPROVED

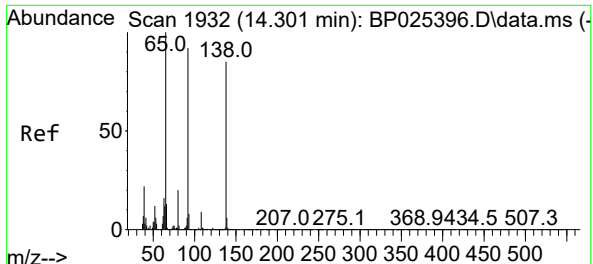
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#52
Acenaphthene
Concen: 39.134 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

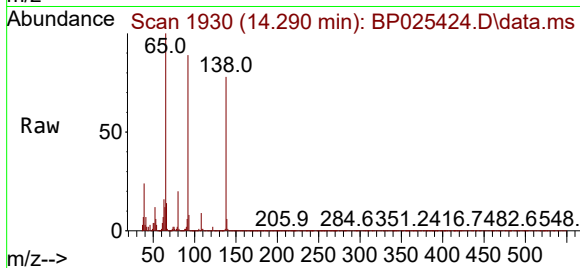
Tgt Ion:154 Resp: 911236
Ion Ratio Lower Upper
154 100
153 113.4 90.2 135.2
152 53.7 42.1 63.1





#53
3-Nitroaniline
Concen: 30.416 ng
RT: 14.290 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

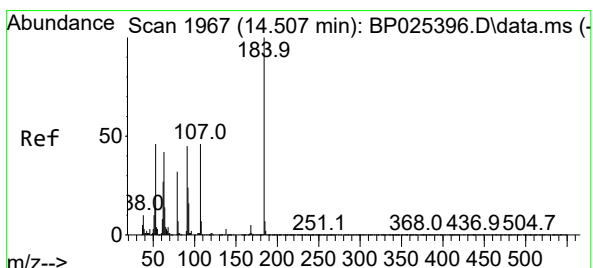
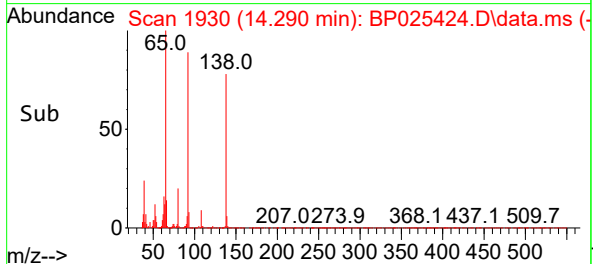
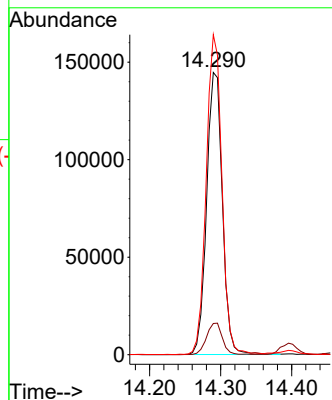
Instrument :
BNA_P
ClientSampleId :
PB169230BS



Tgt Ion:138 Resp: 223962
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 113.4 86.2 129.2

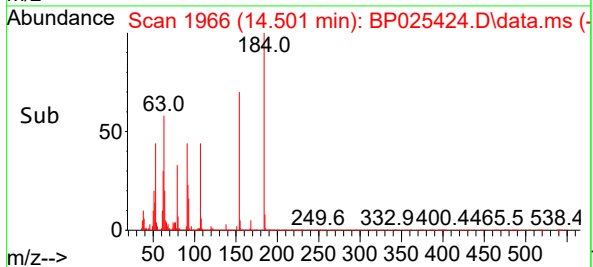
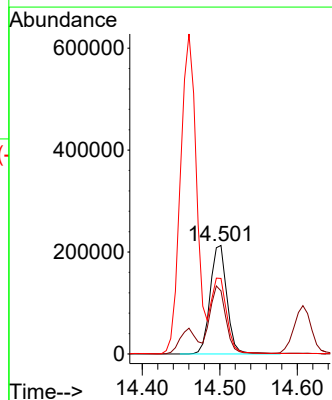
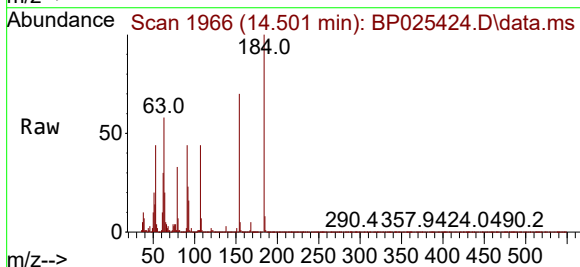
Manual Integrations
APPROVED

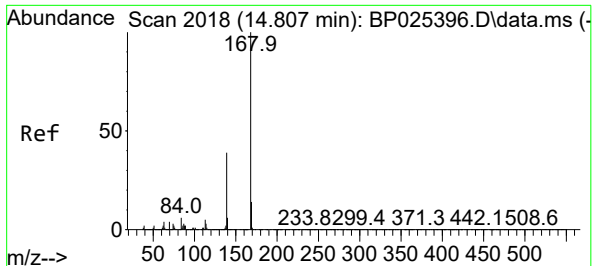
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#54
2,4-Dinitrophenol
Concen: 91.387 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

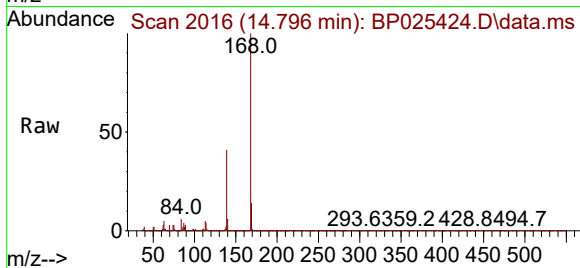
Tgt Ion:184 Resp: 319395
Ion Ratio Lower Upper
184 100
63 58.2 49.4 74.2
154 69.6 54.6 82.0





#55
Dibenzenofuran
Concen: 38.997 ng
RT: 14.796 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

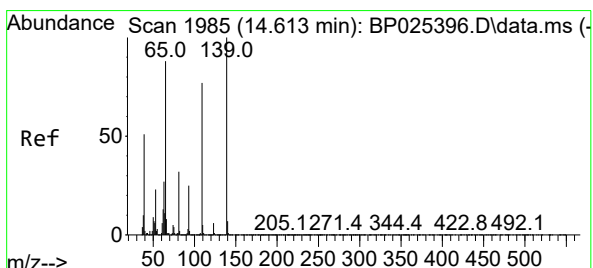
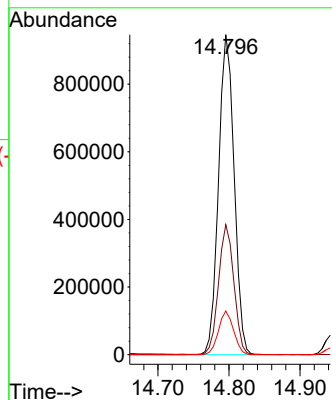
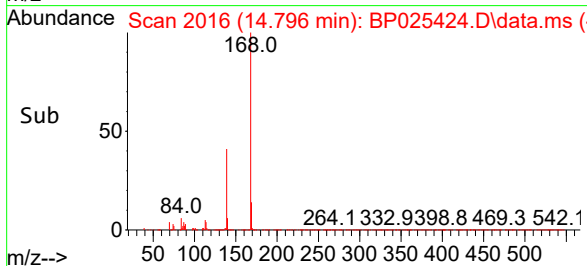
Instrument :
BNA_P
ClientSampleId :
PB169230BS



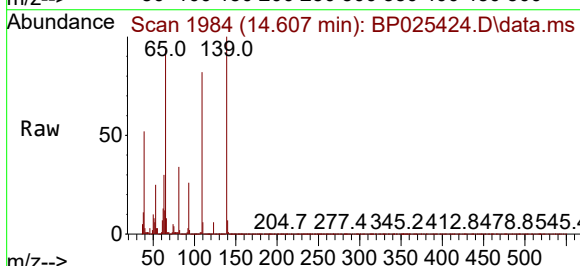
Tgt Ion:168 Resp: 143562
Ion Ratio Lower Upper
168 100
139 40.6 31.5 47.3
169 13.6 10.9 16.3

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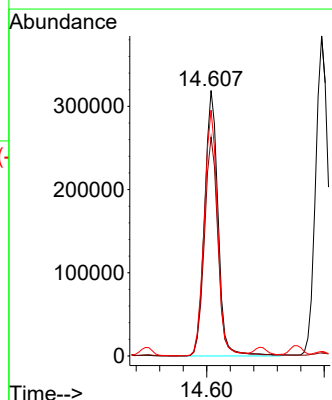
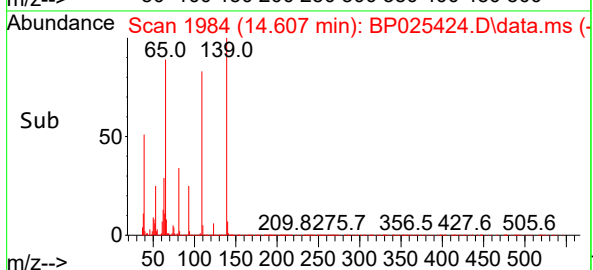
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

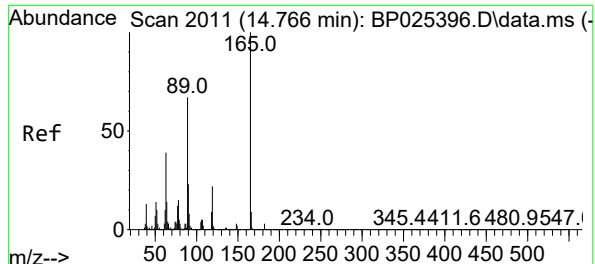


#56
4-Nitrophenol
Concen: 84.213 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion:139 Resp: 509537
Ion Ratio Lower Upper
139 100
109 82.5 56.6 96.6
65 92.6 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 41.677 ng

RT: 14.754 min Scan# 2011

Delta R.T. -0.012 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:165 Resp: 38915

Ion Ratio Lower Upper

165 100

63 41.3 31.4 47.2

89 68.9 53.3 79.9

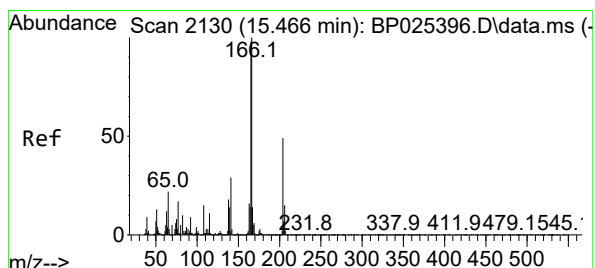
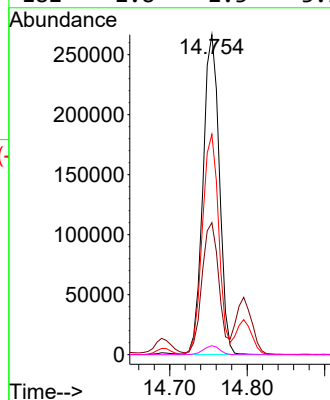
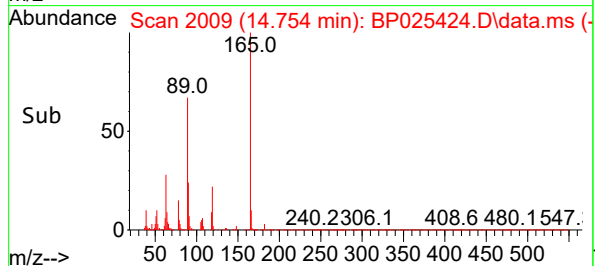
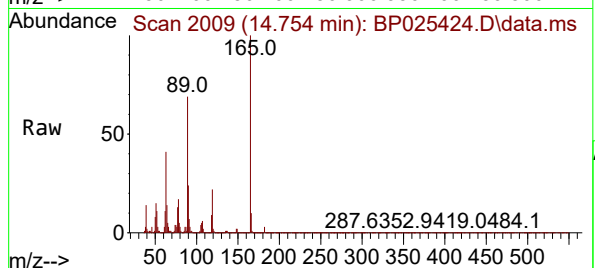
182 2.8 2.3 3.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#58

Fluorene

Concen: 38.689 ng

RT: 15.460 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

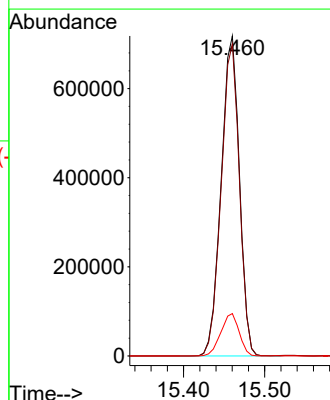
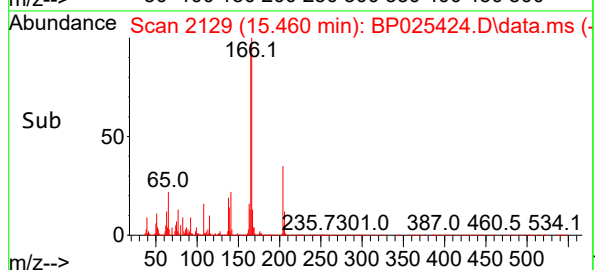
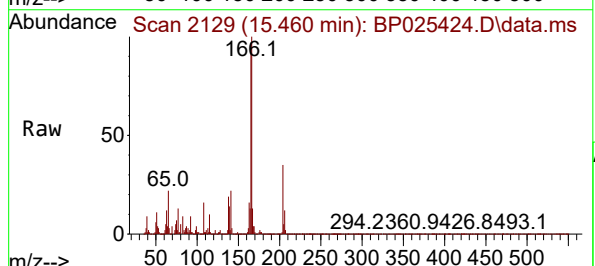
Tgt Ion:166 Resp: 1123848

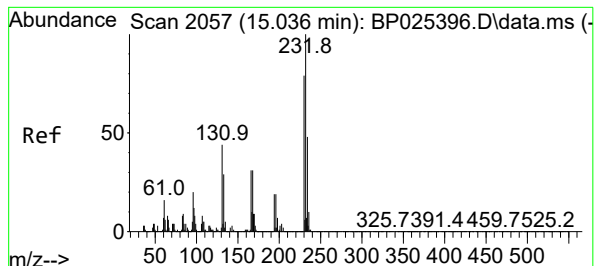
Ion Ratio Lower Upper

166 100

165 97.5 78.8 118.2

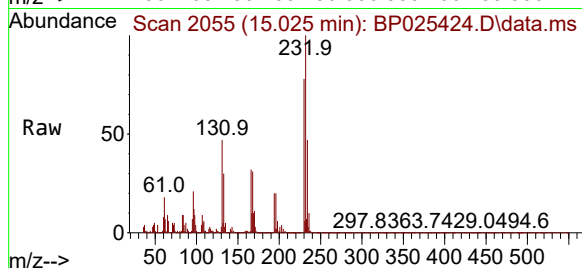
167 13.3 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.903 ng
RT: 15.025 min Scan# 2055
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

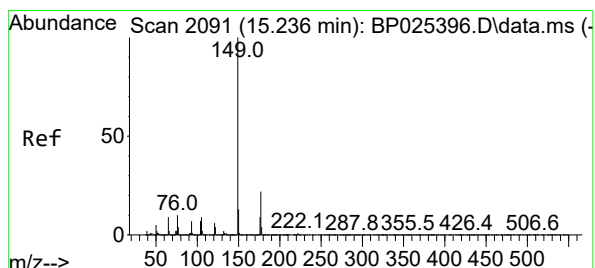
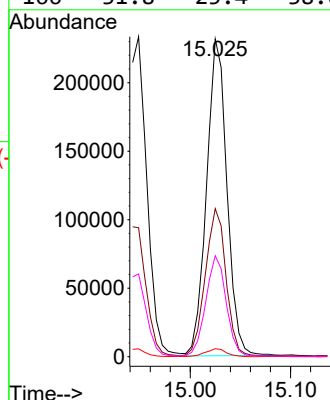
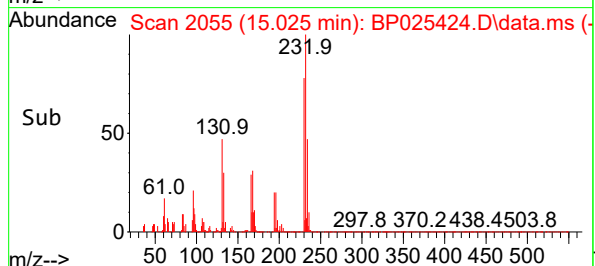
Instrument :
BNA_P
ClientSampleId :
PB169230BS



Tgt Ion:232 Resp: 32724
Ion Ratio Lower Upper
232 100
131 47.3 37.0 55.6
130 2.6 1.9 2.9
166 31.8 25.4 38.0

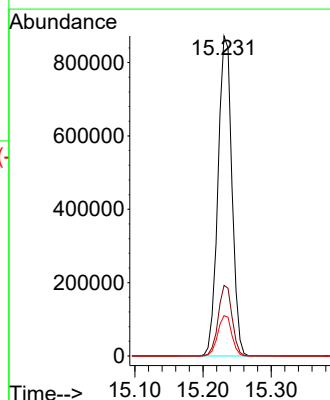
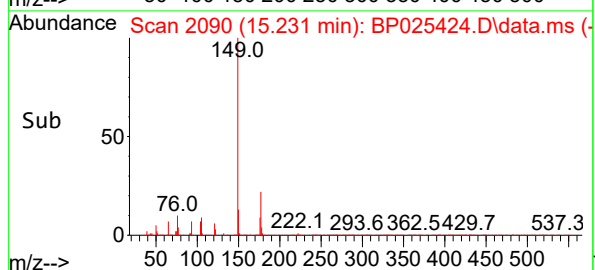
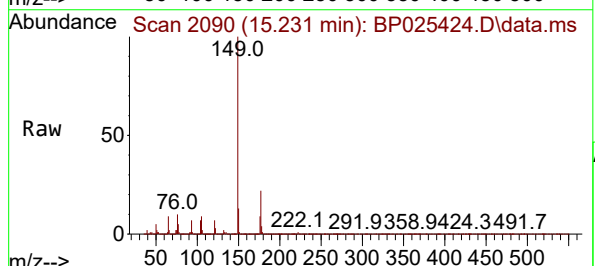
Manual Integrations
APPROVED

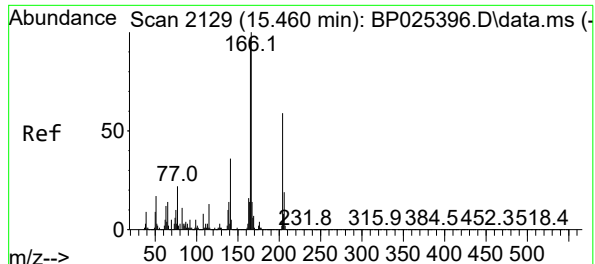
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#60
Diethylphthalate
Concen: 39.238 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:149 Resp: 1237967
Ion Ratio Lower Upper
149 100
177 22.1 17.3 25.9
150 12.6 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 37.992 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

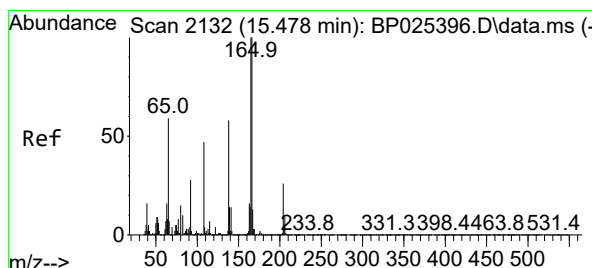
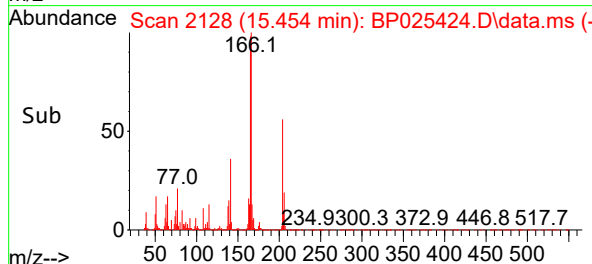
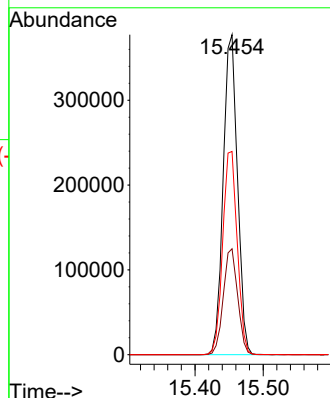
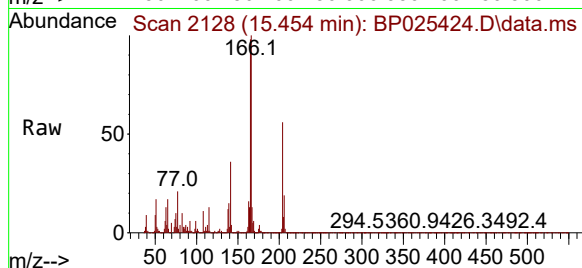
ClientSampleId :

PB169230BS

Tgt Ion:204 Resp: 54887
Ion Ratio Lower Upper
204 100
206 33.1 25.8 38.8
141 63.5 49.4 74.2

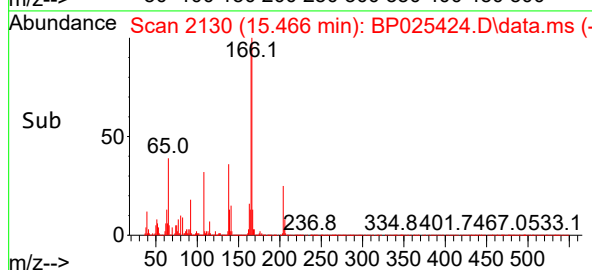
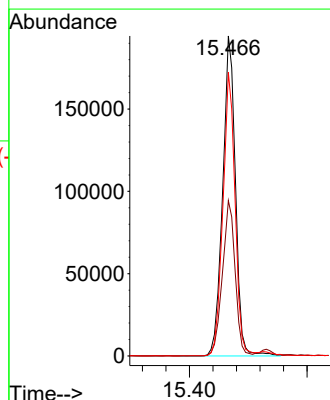
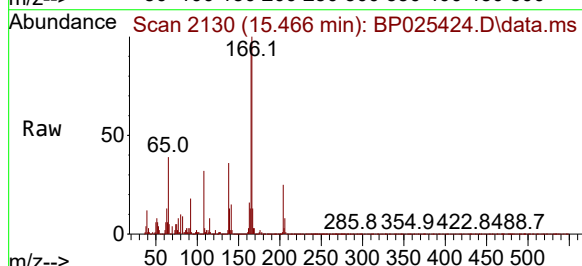
Manual Integrations
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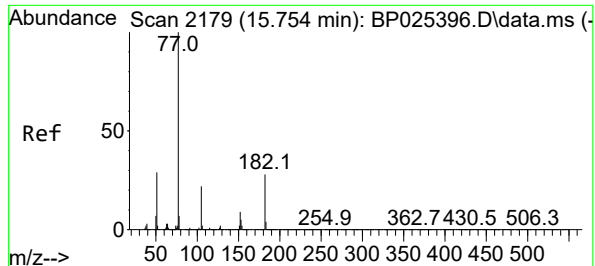
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#62
4-Nitroaniline
Concen: 38.864 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

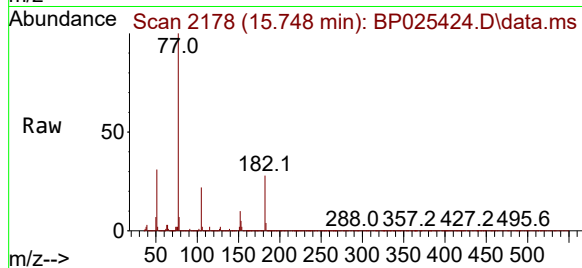
Tgt Ion:138 Resp: 293368
Ion Ratio Lower Upper
138 100
92 48.6 29.1 69.1
108 88.6 61.5 101.5





#63
Azobenzene
Concen: 40.048 ng
RT: 15.748 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

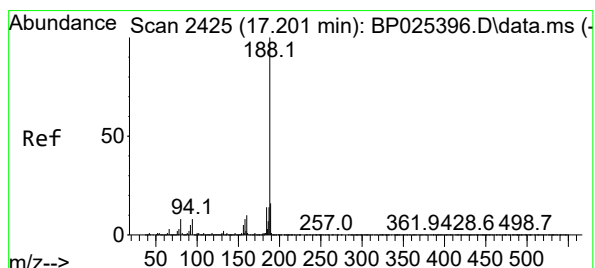
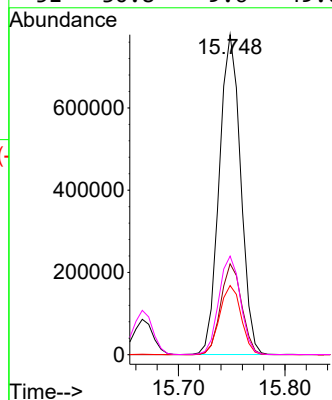
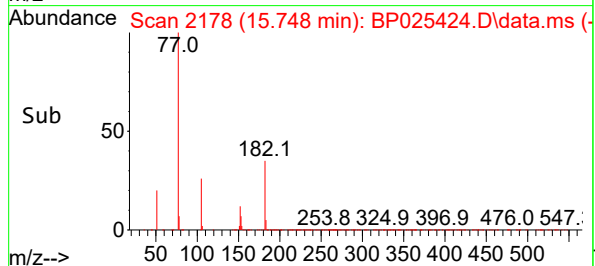
Instrument :
BNA_P
ClientSampleId :
PB169230BS



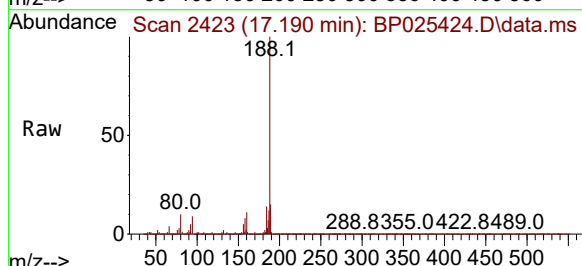
Tgt Ion: 77 Resp: 108192
Ion Ratio Lower Upper
77 100
182 28.4 7.5 47.5
105 21.6 2.1 42.1
51 30.8 9.6 49.6

Manual Integrations
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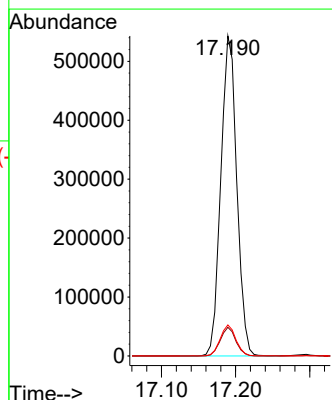
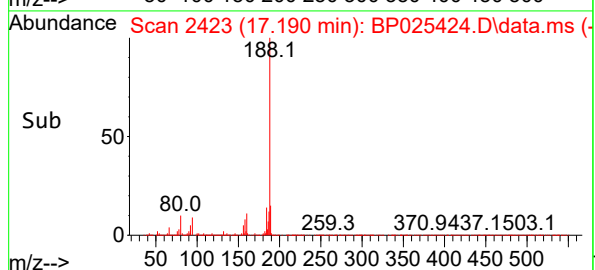
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

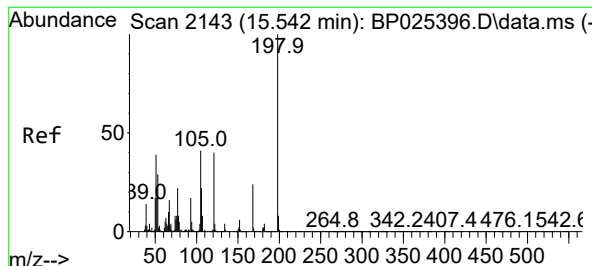


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



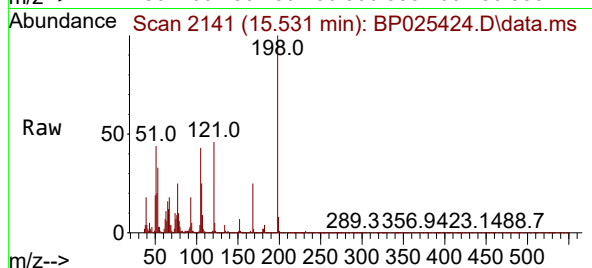
Tgt Ion:188 Resp: 812951
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.7 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 42.483 ng
RT: 15.531 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

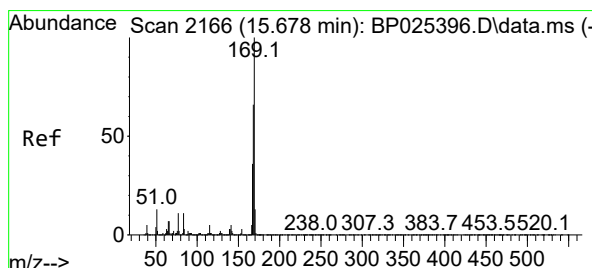
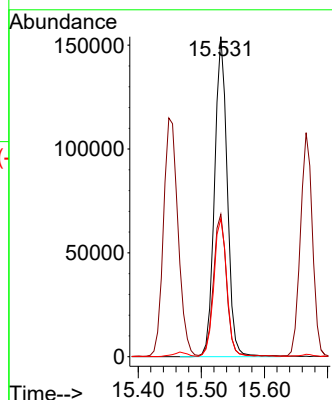
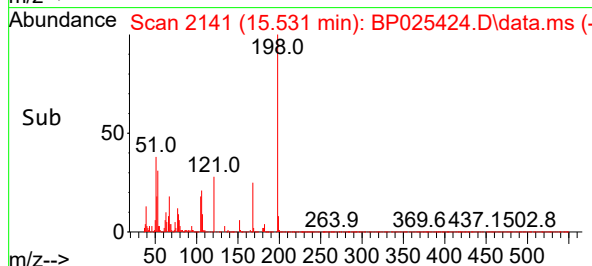
Instrument :
BNA_P
ClientSampleId :
PB169230BS



Tgt Ion:198 Resp: 21528
Ion Ratio Lower Upper
198 100
51 44.5 19.6 59.6
105 43.1 20.9 60.9

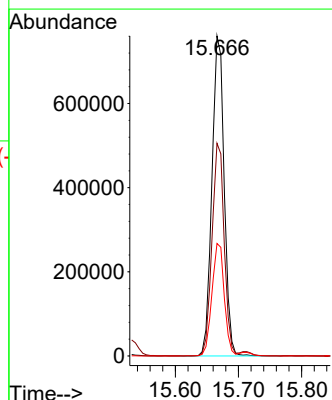
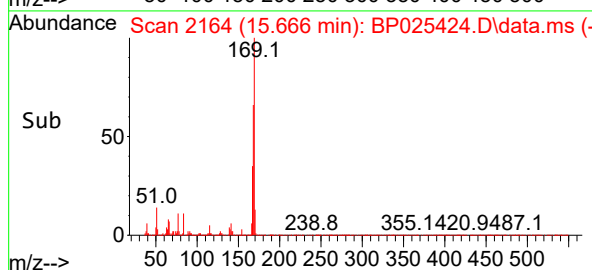
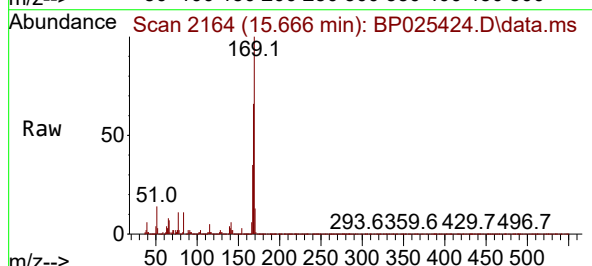
Manual Integrations
APPROVED

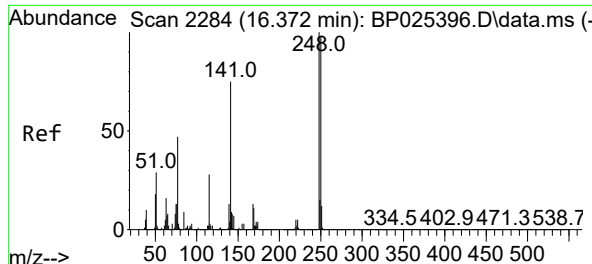
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#66
n-Nitrosodiphenylamine
Concen: 41.149 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:169 Resp: 1020090
Ion Ratio Lower Upper
169 100
168 66.5 53.2 79.8
167 35.1 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 40.010 ng

RT: 16.366 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:248 Resp: 357730

Ion Ratio Lower Upper

248 100

250 99.6 78.2 117.2

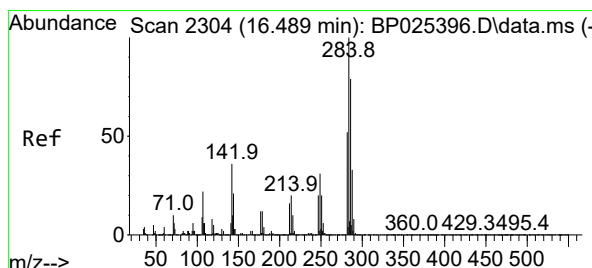
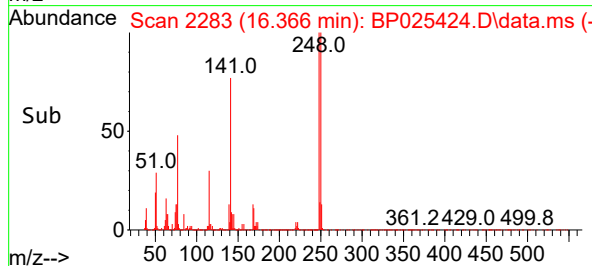
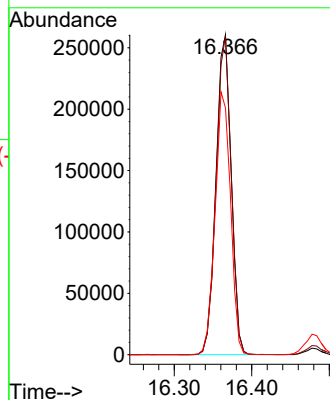
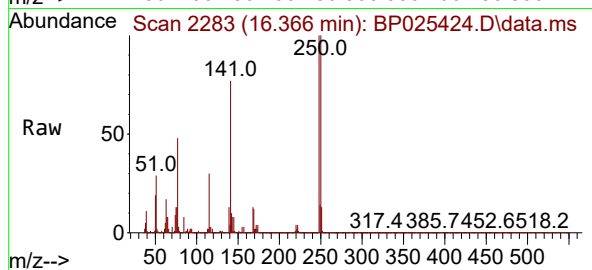
141 77.1 59.6 89.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#68

Hexachlorobenzene

Concen: 40.631 ng

RT: 16.484 min Scan# 2303

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

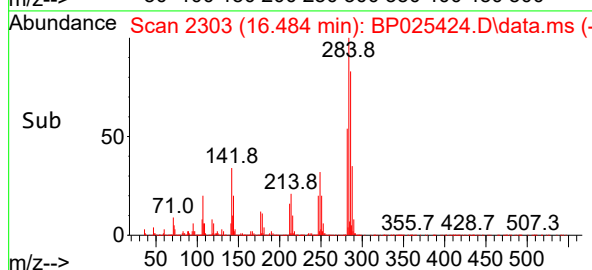
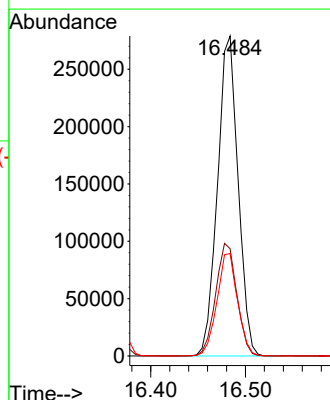
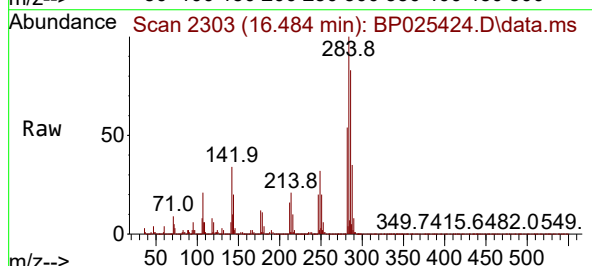
Tgt Ion:284 Resp: 421113

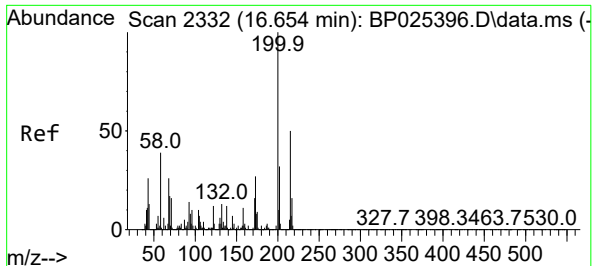
Ion Ratio Lower Upper

284 100

142 33.5 29.1 43.7

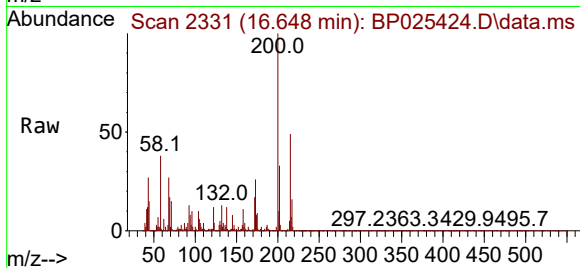
249 32.0 25.0 37.4





#69
Atrazine
Concen: 39.983 ng
RT: 16.648 min Scan# 211
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

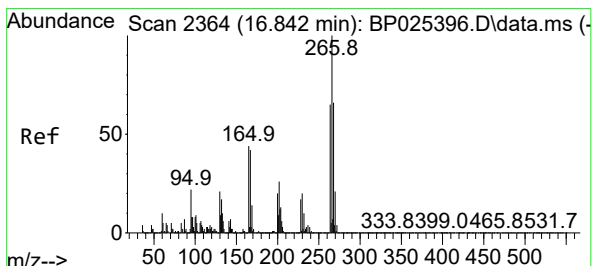
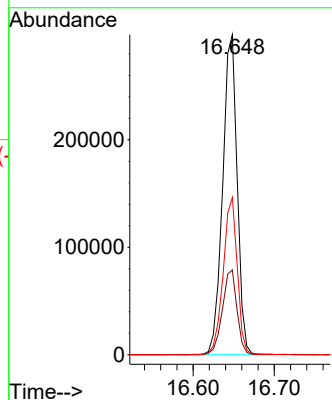
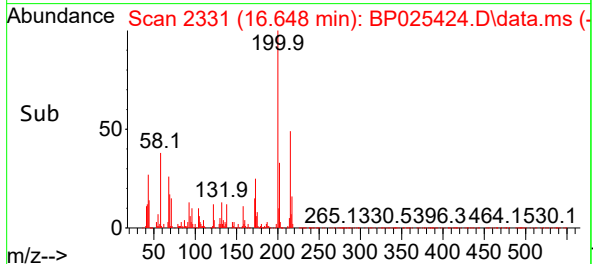
Instrument :
BNA_P
ClientSampleId :
PB169230BS



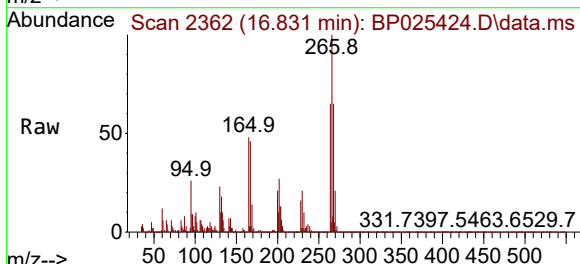
Tgt Ion:200 Resp: 371199
Ion Ratio Lower Upper
200 100
173 26.4 6.7 46.7
215 49.2 29.7 69.7

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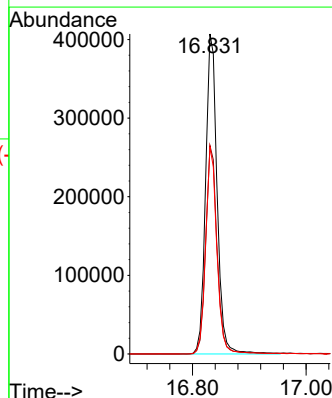
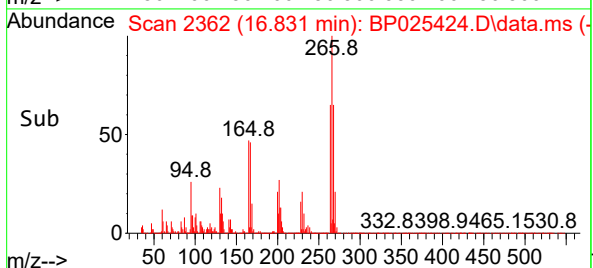
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

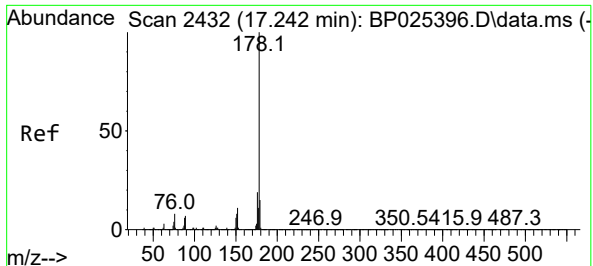


#70
Pentachlorophenol
Concen: 86.979 ng
RT: 16.831 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion:266 Resp: 569065
Ion Ratio Lower Upper
266 100
268 65.1 52.6 79.0
264 64.7 52.0 78.0





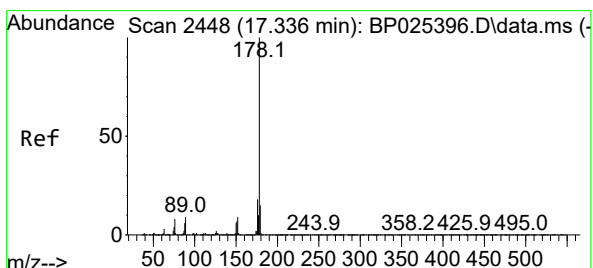
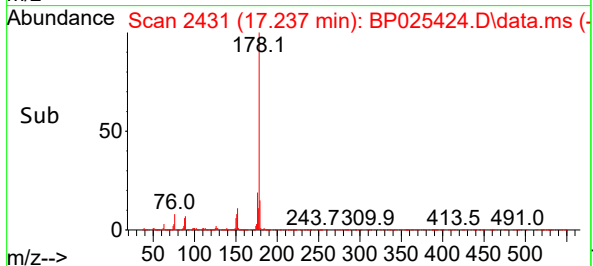
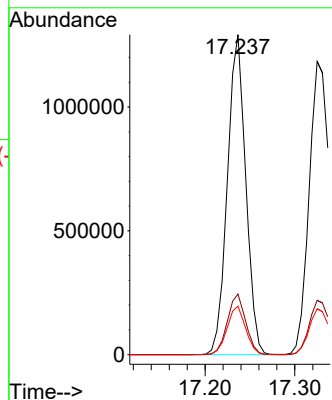
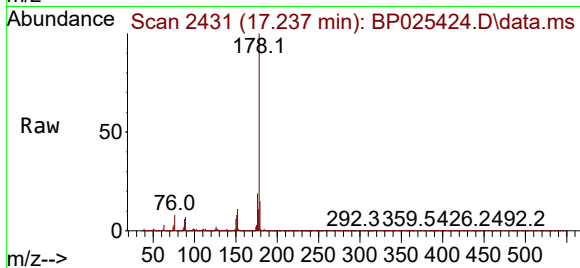
#71
Phenanthrene
Concen: 41.081 ng
RT: 17.237 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
PB169230BS

Tgt Ion:178 Resp: 1834594
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.2 12.2 18.4

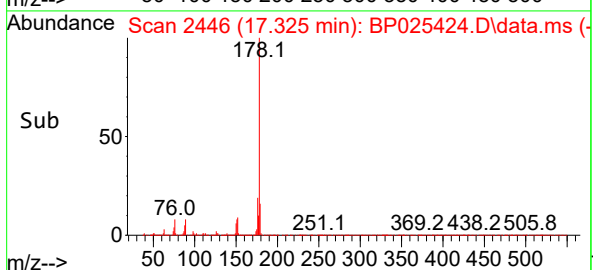
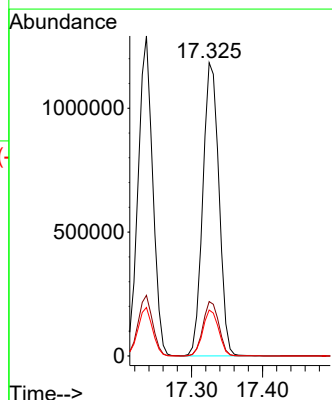
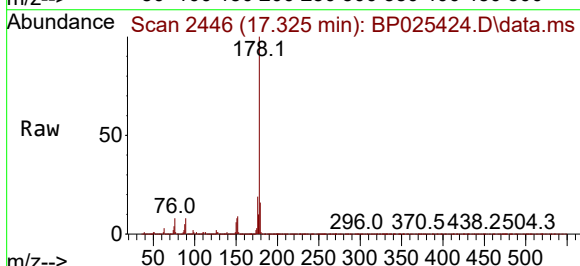
Manual Integrations
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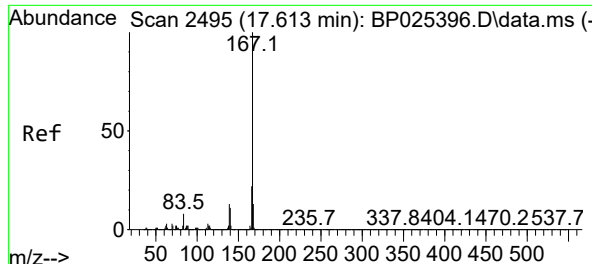
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#72
Anthracene
Concen: 40.953 ng
RT: 17.325 min Scan# 2446
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

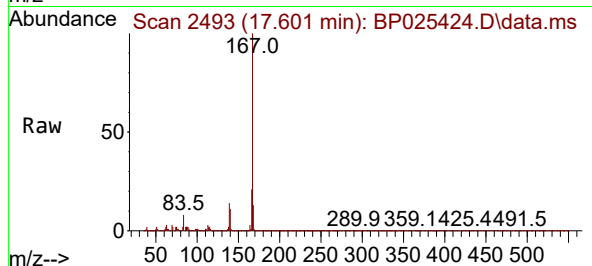
Tgt Ion:178 Resp: 1867641
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.7 12.2 18.2





#73
 Carbazole
 Concen: 40.625 ng
 RT: 17.601 min Scan# 2493
 Delta R.T. -0.012 min
 Lab File: BP025424.D
 Acq: 15 Aug 2025 11:59

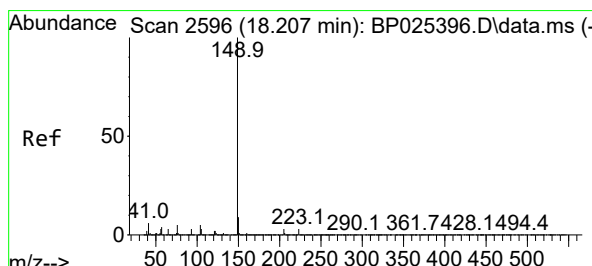
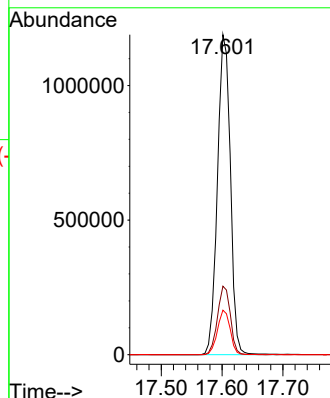
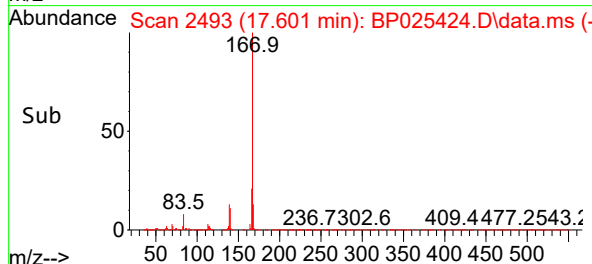
Instrument :
 BNA_P
 ClientSampleId :
 PB169230BS



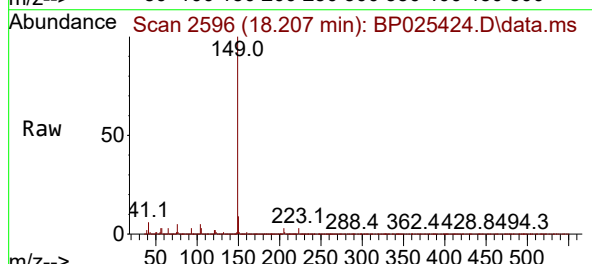
Tgt Ion:167 Resp: 1745068
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.5 26.3
 139 13.9 10.6 16.0

Manual Integrations
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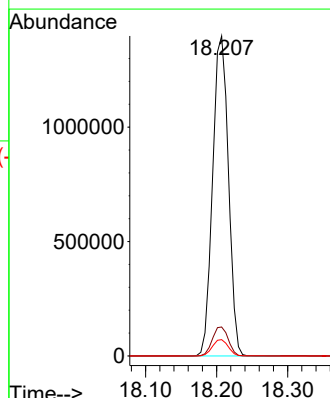
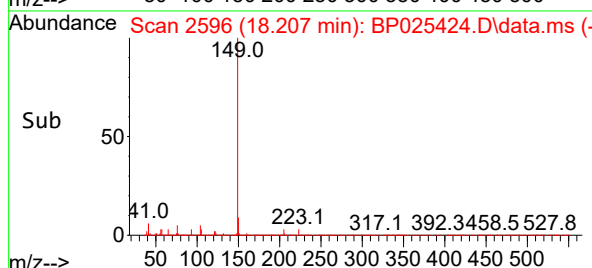
Reviewed By :Rahul Chavli 08/18/2025
 Supervised By :Jagrut Upadhyay 08/18/2025

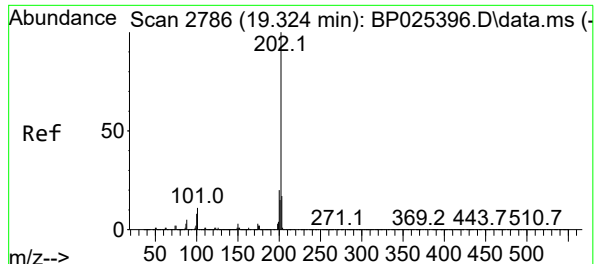


#74
 Di-n-butylphthalate
 Concen: 40.744 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. 0.000 min
 Lab File: BP025424.D
 Acq: 15 Aug 2025 11:59



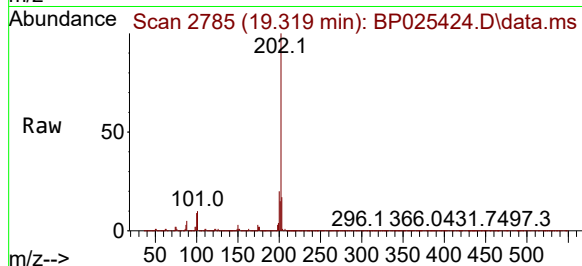
Tgt Ion:149 Resp: 2153331
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 40.586 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

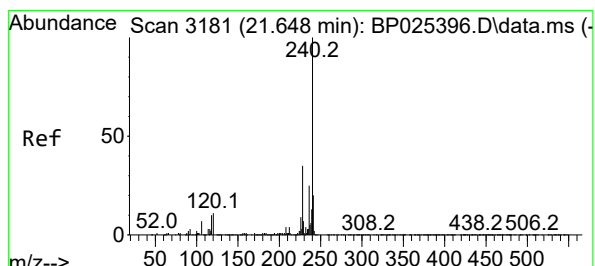
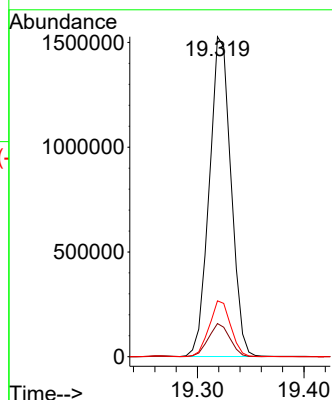
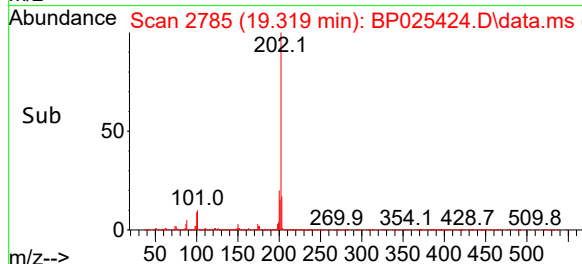
Instrument :
BNA_P
ClientSampleId :
PB169230BS



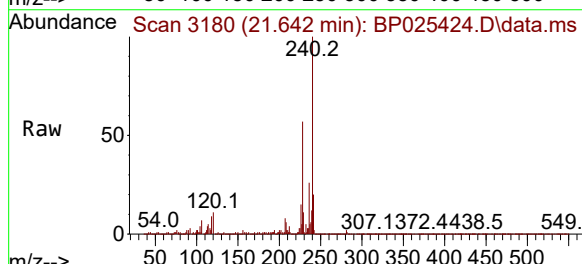
Tgt Ion:202 Resp: 216198
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.1
203 17.4 0.0 37.3

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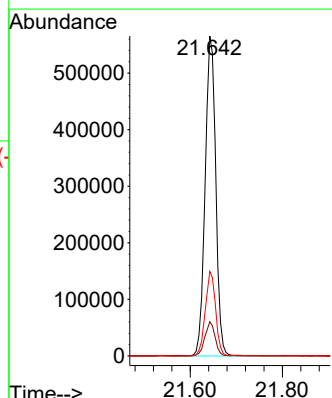
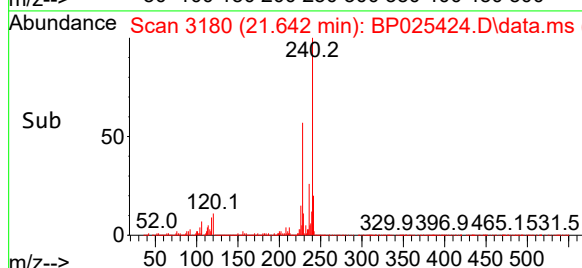
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

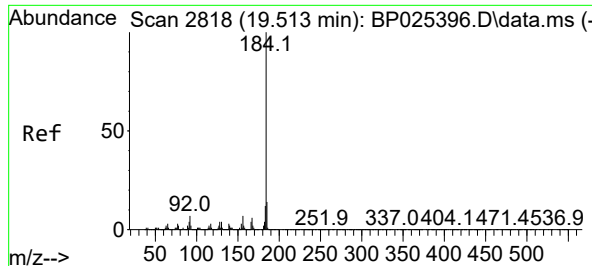


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion:240 Resp: 911094
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 26.4 19.8 29.8





#77

Benzidine

Concen: 42.563 ng

RT: 19.513 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:184 Resp: 1323440

Ion Ratio Lower Upper

184 100

185 14.2 11.5 17.3

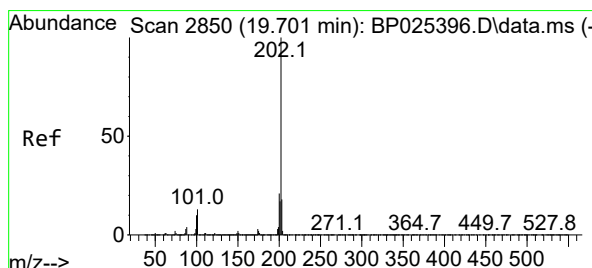
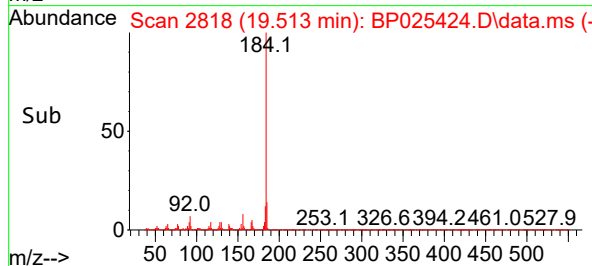
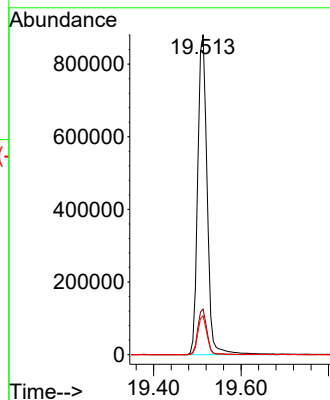
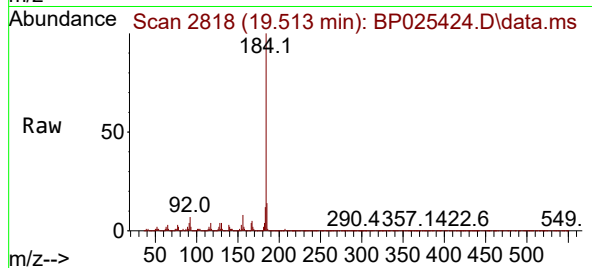
183 12.1 9.4 14.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#78

Pyrene

Concen: 38.210 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

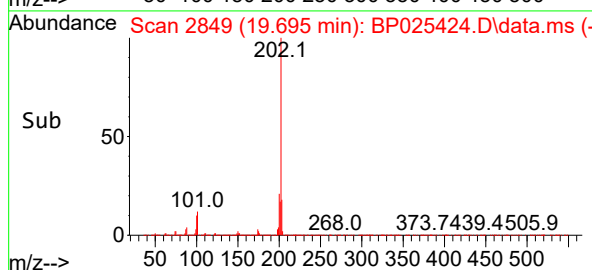
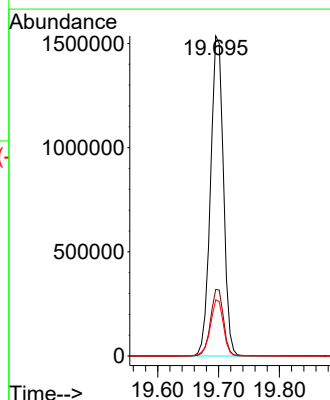
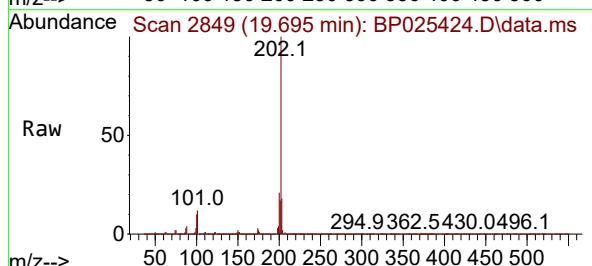
Tgt Ion:202 Resp: 2262750

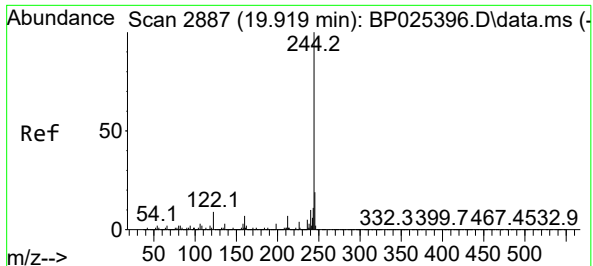
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.6 14.2 21.2





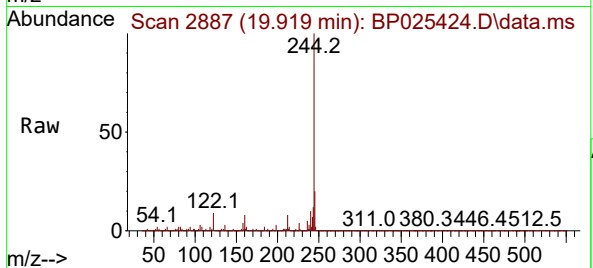
#79
Terphenyl-d14
Concen: 65.800 ng
RT: 19.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

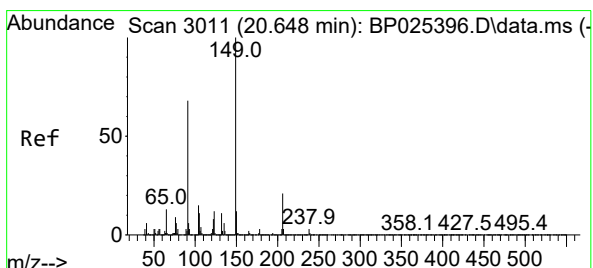
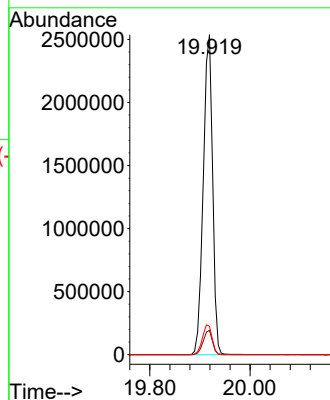
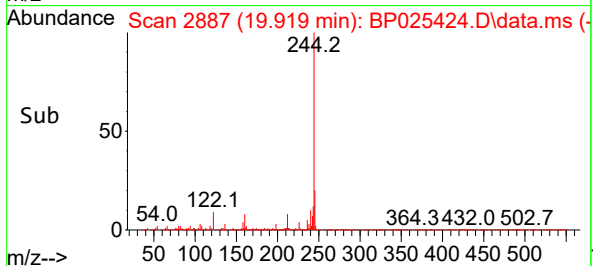


Tgt Ion:244 Resp: 327671
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 8.9 7.4 11.2

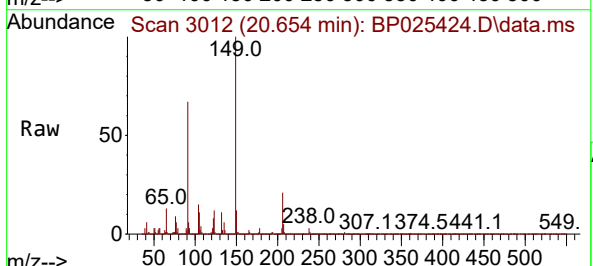
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Reviewed By :Rahul Chavli 08/18/2025

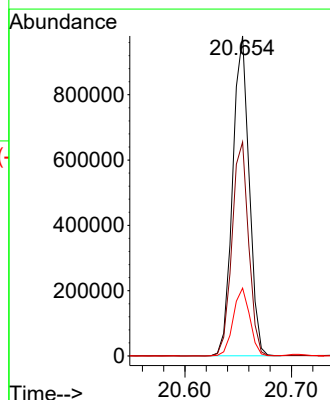
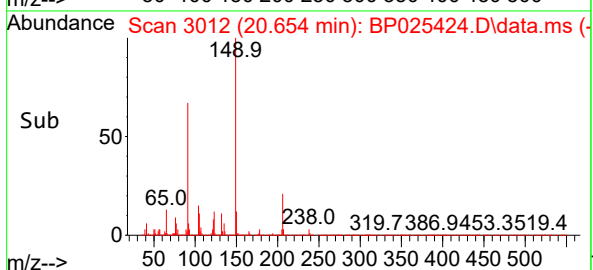
Supervised By :Jagrut Upadhyay 08/18/2025

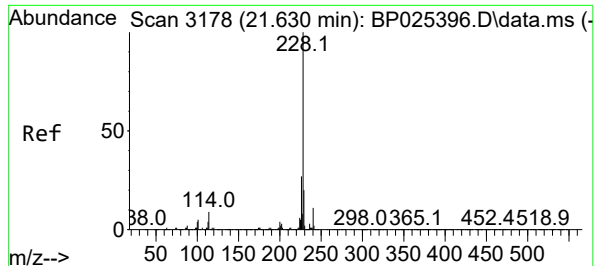


#80
Butylbenzylphthalate
Concen: 39.265 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



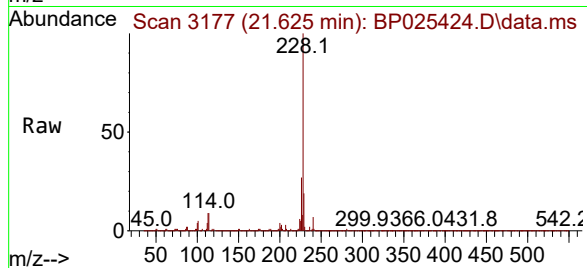
Tgt Ion:149 Resp: 1053807
Ion Ratio Lower Upper
149 100
91 66.9 54.2 81.2
206 21.2 16.6 24.8





#81
Benzo(a)anthracene
Concen: 41.019 ng
RT: 21.625 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
PB169230BS

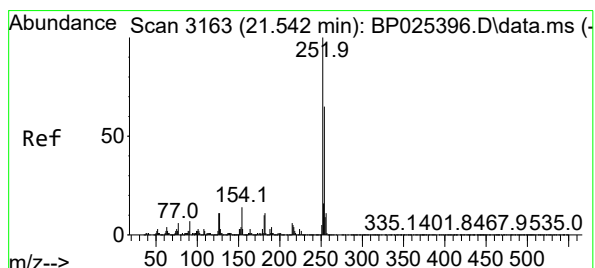
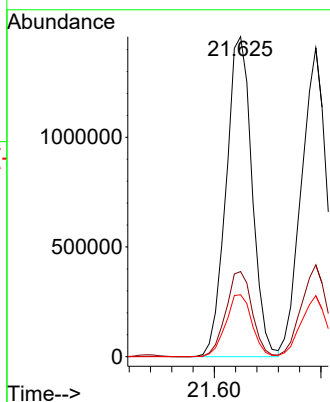
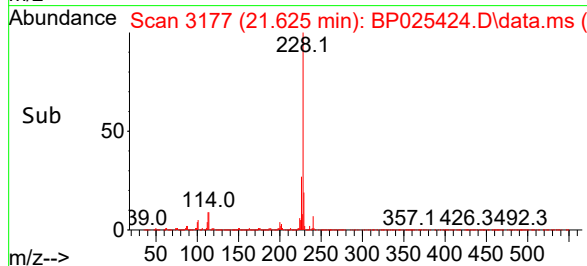


Tgt Ion: 228 Resp: 246471

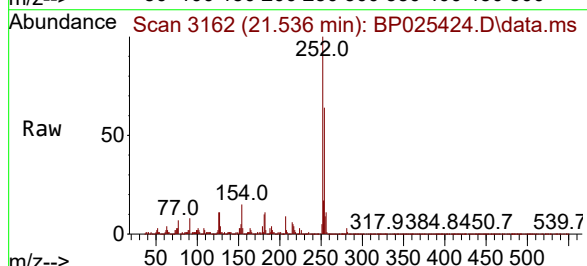
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.3	15.6	23.4

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Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

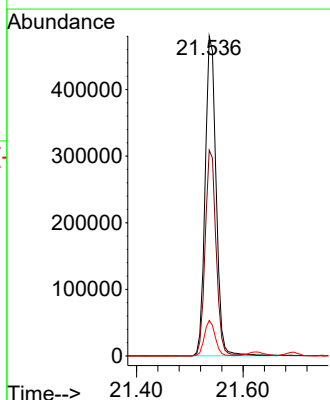
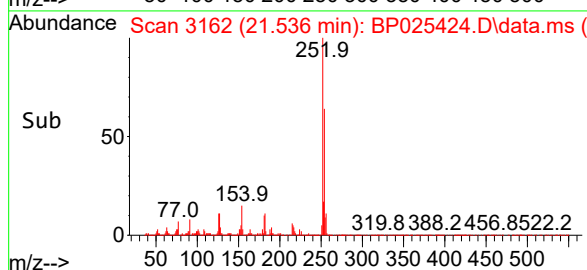


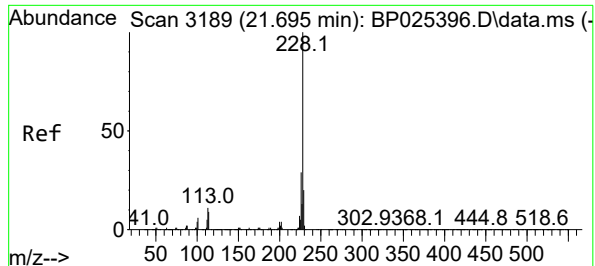
#82
3,3'-Dichlorobenzidine
Concen: 30.320 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion: 252 Resp: 686690

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.8	77.6
126	11.1	9.1	13.7





#83

Chrysene

Concen: 40.951 ng

RT: 21.695 min Scan# 3189

Delta R.T. 0.000 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:228 Resp: 230434

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

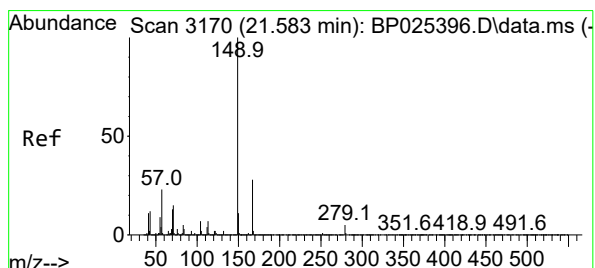
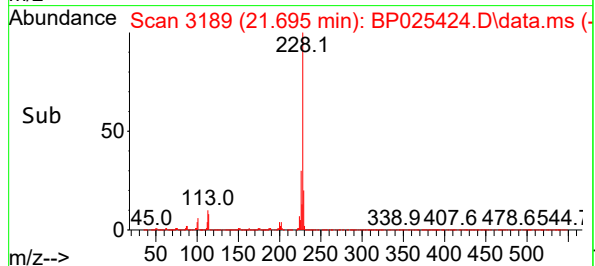
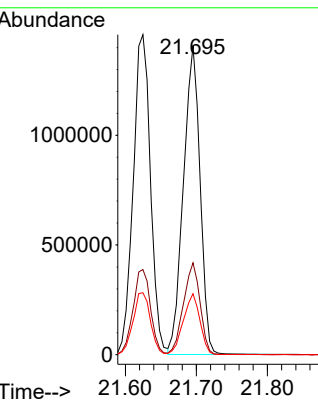
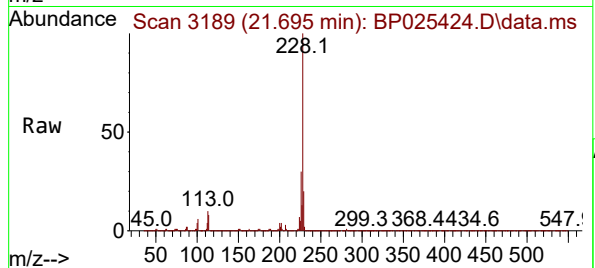
229 19.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.360 ng

RT: 21.578 min Scan# 3169

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

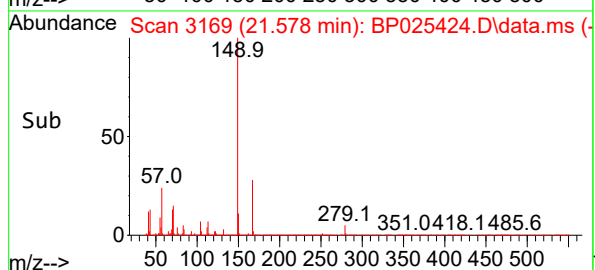
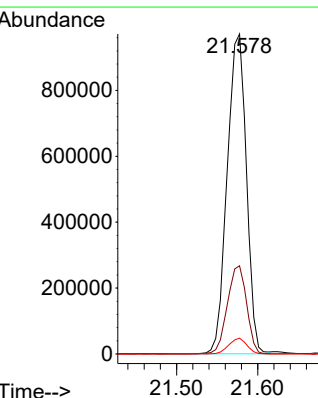
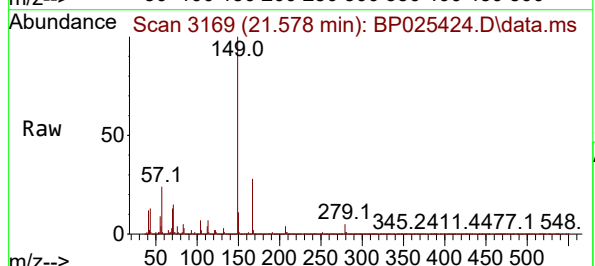
Tgt Ion:149 Resp: 1594510

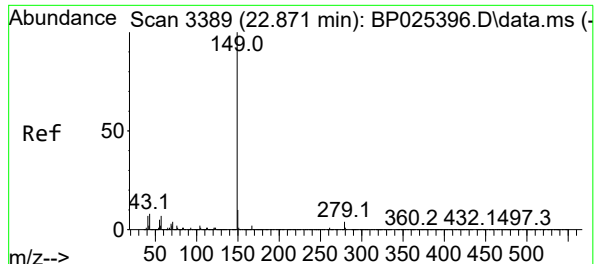
Ion Ratio Lower Upper

149 100

167 27.5 22.1 33.1

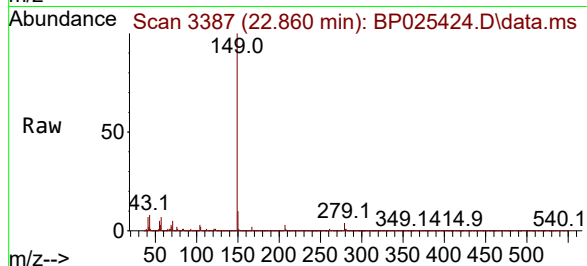
279 5.0 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 41.649 ng
RT: 22.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

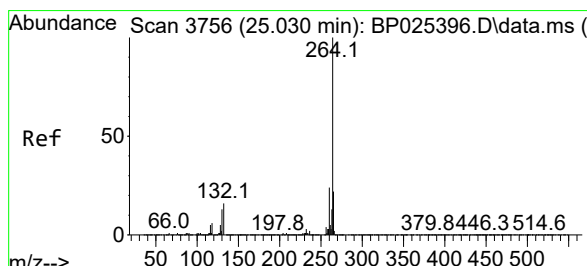
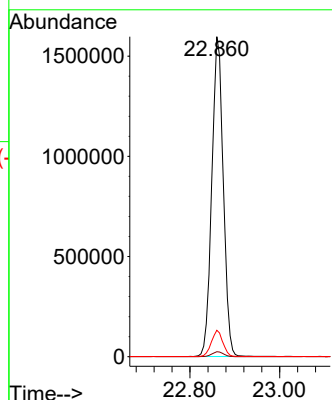
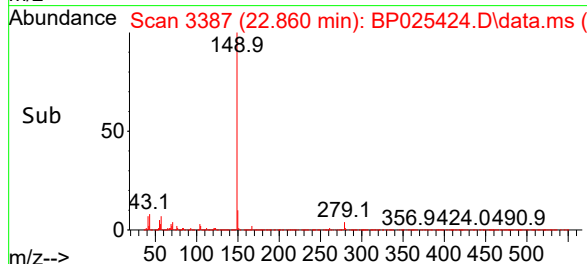
Instrument :
BNA_P
ClientSampleId :
PB169230BS



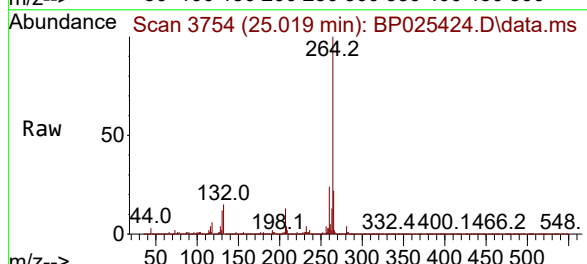
Tgt Ion:149 Resp: 2830250
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.2 6.3 9.5

Manual Integrations
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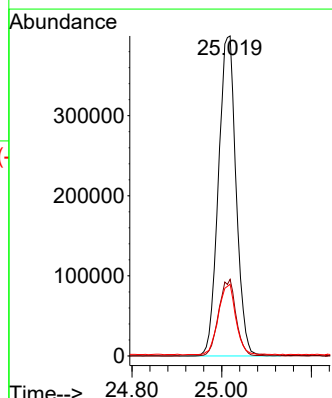
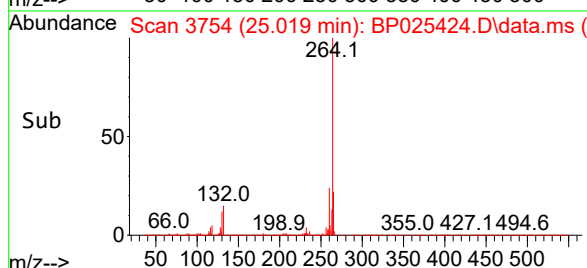
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

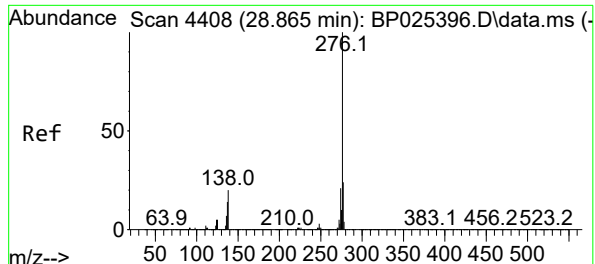


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.019 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion:264 Resp: 1094193
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 22.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.203 ng

RT: 28.848 min Scan# 4408

Delta R.T. -0.017 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:276 Resp: 338653

Ion Ratio Lower Upper

276 100

138 16.6 12.9 19.3

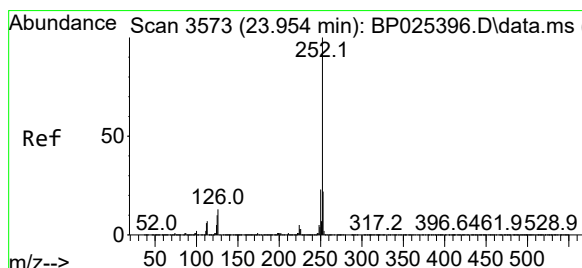
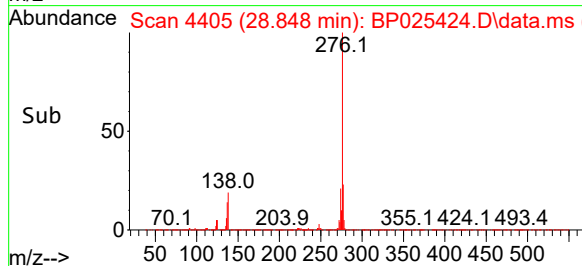
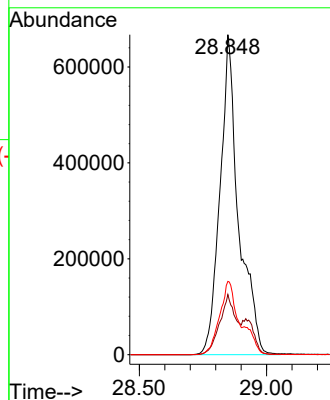
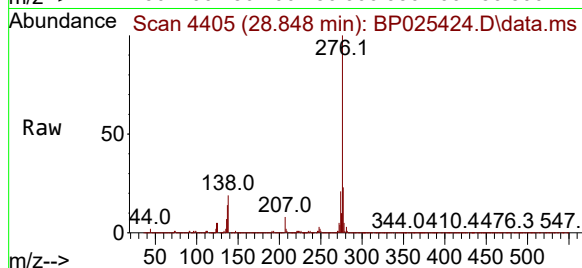
277 20.7 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#88

Benzo(b)fluoranthene

Concen: 41.401 ng

RT: 23.936 min Scan# 3570

Delta R.T. -0.017 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

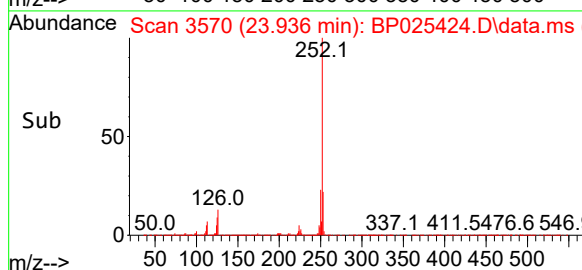
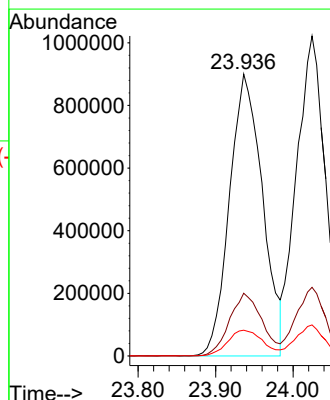
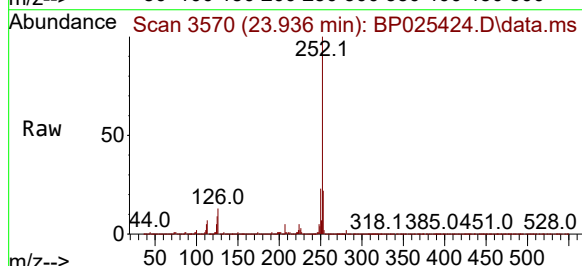
Tgt Ion:252 Resp: 2671223

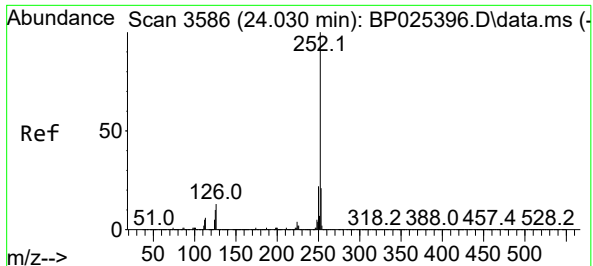
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.1 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 40.388 ng

RT: 24.024 min Scan# 3586

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

Tgt Ion:252 Resp: 260764

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

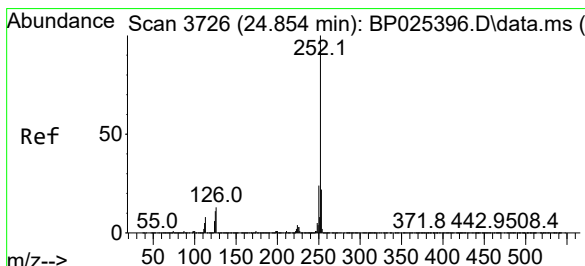
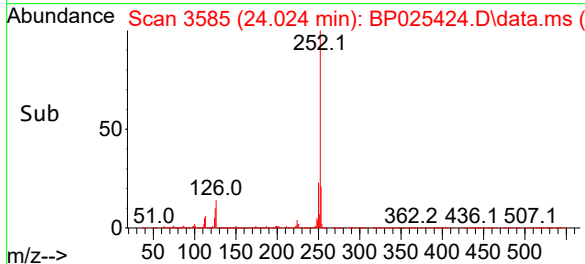
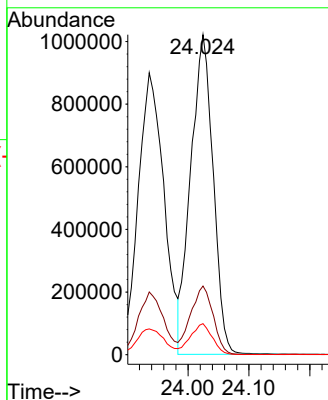
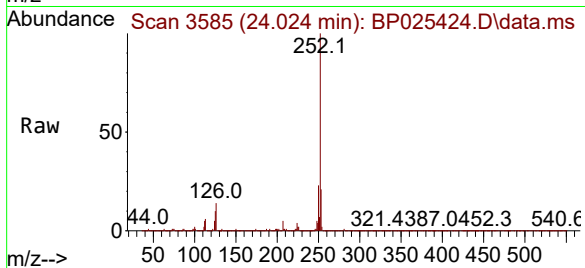
125 9.7 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/18/2025

Supervised By :Jagrut Upadhyay 08/18/2025



#90

Benzo(a)pyrene

Concen: 41.168 ng

RT: 24.866 min Scan# 3728

Delta R.T. 0.012 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

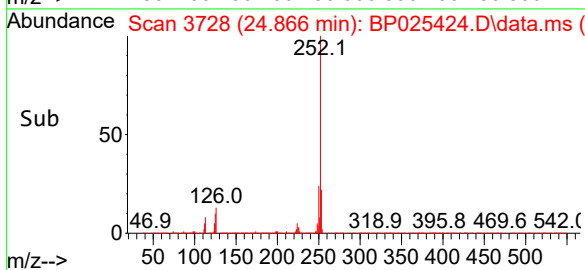
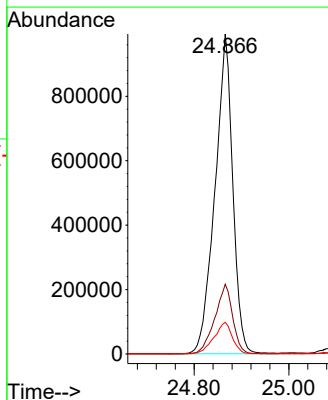
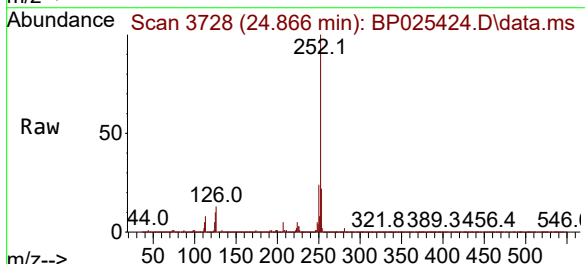
Tgt Ion:252 Resp: 2585640

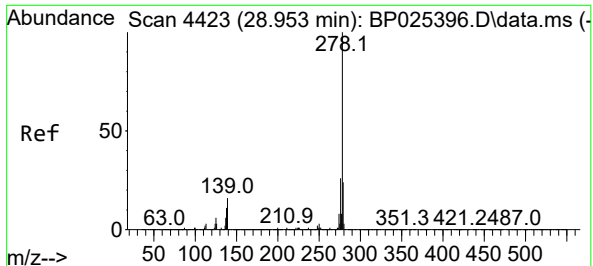
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

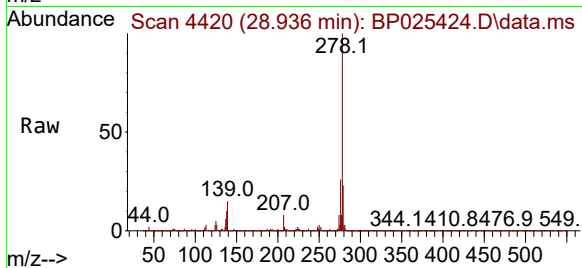
125 9.9 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 41.882 ng
RT: 28.936 min Scan# 4423
Delta R.T. -0.017 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

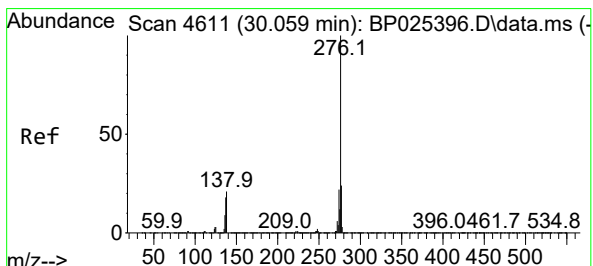
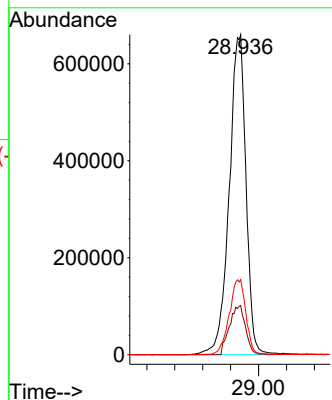
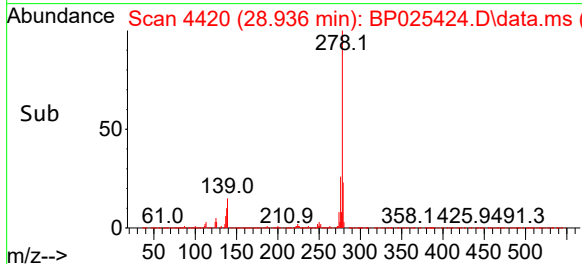
Instrument :
BNA_P
ClientSampleId :
PB169230BS



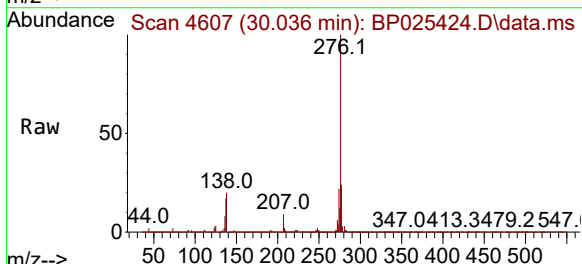
Tgt Ion: 278 Resp: 274642
Ion Ratio Lower Upper
278 100
139 15.4 13.0 19.4
279 23.5 19.4 29.2

Manual Integrations
APPROVED

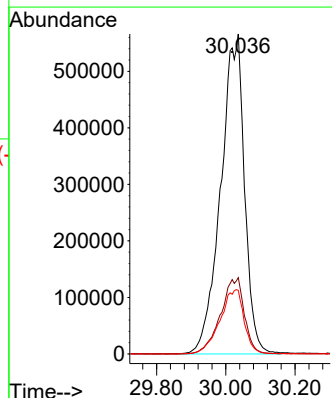
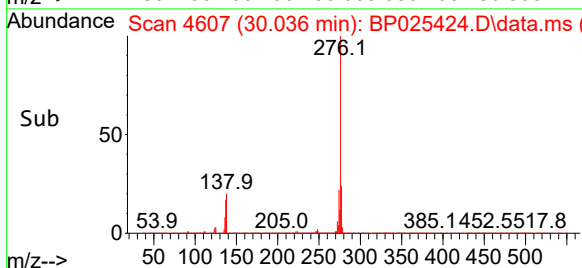
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#92
Benzo(g,h,i)perylene
Concen: 41.819 ng m
RT: 30.036 min Scan# 4607
Delta R.T. -0.023 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion: 276 Resp: 2695674
Ion Ratio Lower Upper
276 100
277 23.8 19.4 29.0
138 19.9 16.7 25.1



Report of Analysis

Client:	First Environment, Inc.	Date Collected:
Project:	USACE018-44 DOD	Date Received:
Client Sample ID:	PB169244BS	SDG No.: Q2815
Lab Sample ID:	PB169244BS	Matrix: Water
Analytical Method:	8270E	% Solid: 0
Sample Wt/Vol:	1000 Units: mL	Final Vol: 1000 uL
Soil Aliquot Vol:	uL	Test: SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level : LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N PH :
Prep Method :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025472.D	1	08/14/25 09:15	08/19/25 12:06	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	27.4		3.90	8.00	10.0	ug/L
108-95-2	Phenol	48.2		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.7		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	47.9		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	46.9		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.2		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	45.4		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.6		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.1		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	45.2		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	46.6		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	44.0		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	46.8		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	47.7		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.0		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	49.2		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	45.8		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	26.3		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.9		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	47.5		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	48.5		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	45.5		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	92.4	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.4		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	50.9		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	46.7		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	46.6		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	51.6		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	48.5		0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169244BS	SDG No.:	Q2815
Lab Sample ID:	PB169244BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025472.D	1	08/14/25 09:15	08/19/25 12:06	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	48.2		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	49.9		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	35.3		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	47.1		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	47.2		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.7		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	49.0		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.7		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	46.4		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	47.8		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.8		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.4		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	47.6		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	46.6		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	47.8		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	99.0	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	47.6		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	47.2		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	47.3		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.4		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	47.4		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	46.7		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.4		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	32.2		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.2		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	47.0		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.0		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	50.6		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	48.4		0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:
Project:	USACE018-44 DOD	Date Received:
Client Sample ID:	PB169244BS	SDG No.: Q2815
Lab Sample ID:	PB169244BS	Matrix: Water
Analytical Method:	8270E	% Solid: 0
Sample Wt/Vol:	1000 Units: mL	Final Vol: 1000 uL
Soil Aliquot Vol:	uL	Test: SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level : LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N PH :
Prep Method :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025472.D	1	08/14/25 09:15	08/19/25 12:06	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	47.7		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.3		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.7		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.0		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	45.6		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.1		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	37.4		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.6		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	138		19 - 119		92%	SPK: 150
13127-88-3	Phenol-d6	136		10 - 130		90%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.4		44 - 120		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.1		44 - 119		81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		43 - 140		92%	SPK: 150
1718-51-0	Terphenyl-d14	81.9		50 - 134		82%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161000	7.79				
1146-65-2	Naphthalene-d8	645000	10.56				
15067-26-2	Acenaphthene-d10	416000	14.401				
1517-22-2	Phenanthrene-d10	862000	17.189				
1719-03-5	Chrysene-d12	911000	21.642				
1520-96-3	Perylene-d12	1050000	25.001				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025472.D
 Acq On : 19 Aug 2025 12:06
 Operator : CG/JU
 Sample : PB169244BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169244BS

Quant Time: Aug 19 12:52:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	161110	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	644957	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	415960	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	862003	20.000	ng	#-0.01
76) Chrysene-d12	21.642	240	910554	20.000	ng	0.00
86) Perylene-d12	25.001	264	1045081	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1337580	137.876	ng	0.00
7) Phenol-d6	6.972	99	1688269	135.735	ng	0.00
23) Nitrobenzene-d5	8.931	82	1050881	82.423	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	775299	138.474	ng	-0.01
45) 2-Fluorobiphenyl	13.013	172	2467804	81.083	ng	0.00
79) Terphenyl-d14	19.907	244	4077204	81.923	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	142275	37.441	ng	99
3) Pyridine	3.725	79	398620	38.325	ng	95
4) n-Nitrosodimethylamine	3.631	42	201784	47.058	ng	96
6) Aniline	7.119	93	625971	37.353	ng	99
8) 2-Chlorophenol	7.366	128	524831	47.941	ng	99
9) Benzaldehyde	6.937	77	239040	27.431	ng	98
10) Phenol	6.996	94	628743	48.175	ng	99
11) bis(2-Chloroethyl)ether	7.213	93	455153	44.744	ng	99
12) 1,3-Dichlorobenzene	7.684	146	543382	45.014	ng	99
13) 1,4-Dichlorobenzene	7.825	146	553701	44.876	ng	100
14) 1,2-Dichlorobenzene	8.137	146	534380	44.742	ng	97
15) Benzyl Alcohol	8.025	79	444471	44.974	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.307	45	615310	45.153	ng	98
17) 2-Methylphenol	8.225	107	424929	46.879	ng	98
18) Hexachloroethane	8.860	117	205091	45.209	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	347018	42.121	ng	97
20) 3+4-Methylphenols	8.549	107	585226	46.577	ng	98
22) Acetophenone	8.601	105	735041	45.445	ng	# 99
24) Nitrobenzene	8.972	77	531108	46.610	ng	100
25) Isophorone	9.496	82	993893	44.048	ng	99
26) 2-Nitrophenol	9.672	139	273836	46.827	ng	96
27) 2,4-Dimethylphenol	9.737	122	479387	47.669	ng	98
28) bis(2-Chloroethoxy)met...	9.972	93	613611	44.988	ng	99
29) 2,4-Dichlorophenol	10.213	162	491610	49.210	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	495197	45.218	ng	99
31) Naphthalene	10.607	128	1534568	45.778	ng	99
32) Benzoic acid	9.890	122	382681m	51.543	ng	
33) 4-Chloroaniline	10.707	127	389745	26.321	ng	99
34) Hexachlorobutadiene	10.896	225	306039	44.872	ng	99
35) Caprolactam	11.495	113	173914	47.476	ng	98
36) 4-Chloro-3-methylphenol	11.837	107	555661	48.473	ng	99
37) 2-Methylnaphthalene	12.213	142	992936	45.516	ng	100
38) 1-Methylnaphthalene	12.437	142	1029457	44.374	ng	98
40) 1,2,4,5-Tetrachloroben...	12.584	216	553975	46.113	ng	99
41) Hexachlorocyclopentadiene	12.566	237	670283	92.369	ng	98
43) 2,4,6-Trichlorophenol	12.825	196	408898	50.417	ng	99

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 Data File : BP025472.D
 Acq On : 19 Aug 2025 12:06
 Operator : CG/JU
 Sample : PB169244BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169244BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 12:52:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	452804	50.941	ng	98
46) 1,1'-Biphenyl	13.231	154	1412174	46.746	ng	99
47) 2-Chloronaphthalene	13.272	162	1094908	46.557	ng	100
48) 2-Nitroaniline	13.466	65	353391	51.571	ng	98
49) Acenaphthylene	14.119	152	1874575	48.171	ng	99
50) Dimethylphthalate	13.860	163	1476660	48.478	ng	100
51) 2,6-Dinitrotoluene	13.966	165	320426	49.910	ng	97
52) Acenaphthene	14.466	154	1076858	47.143	ng	99
53) 3-Nitroaniline	14.295	138	254955	35.296	ng	96
54) 2,4-Dinitrophenol	14.513	184	397607	115.970	ng	98
55) Dibenzofuran	14.801	168	1703170	47.161	ng	100
56) 4-Nitrophenol	14.625	139	605113	101.946	ng	99
57) 2,4-Dinitrotoluene	14.760	165	473816	51.727	ng	97
58) Fluorene	15.460	166	1322243	46.400	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	396757	50.551	ng	99
60) Diethylphthalate	15.236	149	1517718	49.036	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	661344	46.664	ng	97
62) 4-Nitroaniline	15.478	138	353899	47.791	ng	99
63) Azobenzene	15.754	77	1322217	49.891	ng	99
65) 4,6-Dinitro-2-methylph...	15.536	198	272964	50.800	ng	99
66) n-Nitrosodiphenylamine	15.672	169	1246458	47.419	ng	99
67) 4-Bromophenyl-phenylether	16.360	248	451437	47.618	ng	95
68) Hexachlorobenzene	16.489	284	512163	46.604	ng	97
69) Atrazine	16.642	200	470922	47.838	ng	98
70) Pentachlorophenol	16.842	266	687032	99.034	ng	97
71) Phenanthrene	17.236	178	2253291	47.585	ng	99
72) Anthracene	17.330	178	2284335	47.239	ng	99
73) Carbazole	17.601	167	2155496	47.324	ng	99
74) Di-n-butylphthalate	18.201	149	2713180	48.416	ng	100
75) Fluoranthene	19.319	202	2675123	47.361	ng	99
77) Benzidine	19.507	184	1413258	45.479	ng	100
78) Pyrene	19.695	202	2762164	46.671	ng	99
80) Butylbenzylphthalate	20.642	149	1298221	48.400	ng	99
81) Benzo(a)anthracene	21.624	228	2834413	47.200	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	727758	32.152	ng	99
83) Chrysene	21.689	228	2644963	47.032	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	1936416	49.043	ng	99
85) Di-n-octyl phthalate	22.854	149	3437312	50.612	ng	99
87) Indeno(1,2,3-cd)pyrene	28.842	276	3500214	45.670	ng	98
88) Benzo(b)fluoranthene	23.954	252	2979641	48.351	ng	99
89) Benzo(k)fluoranthene	24.024	252	2940688	47.686	ng	99
90) Benzo(a)pyrene	24.865	252	2836165	47.279	ng	100
91) Dibenzo(a,h)anthracene	28.924	278	2878994	45.967	ng	99
92) Benzo(g,h,i)perylene	30.030	276	2809647	45.636	ng	99

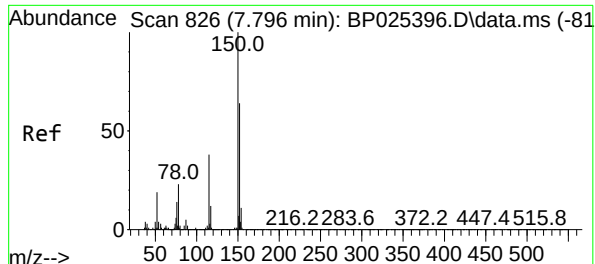
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Instrument :
BNA_P
ClientSampleId :
PB169244BS

Manual Integrations

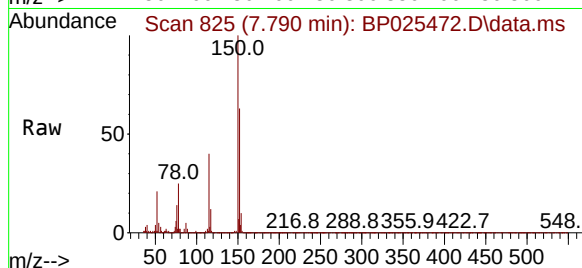
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jaagrut Upadhyay 08/20/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025472.D
 Acq: 19 Aug 2025 12:06

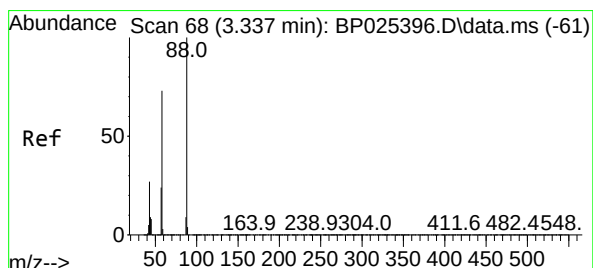
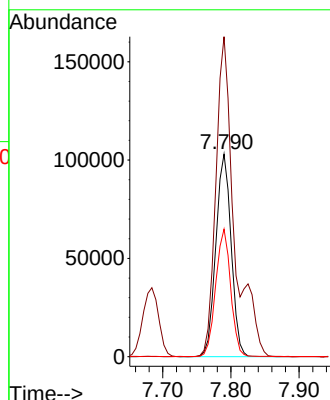
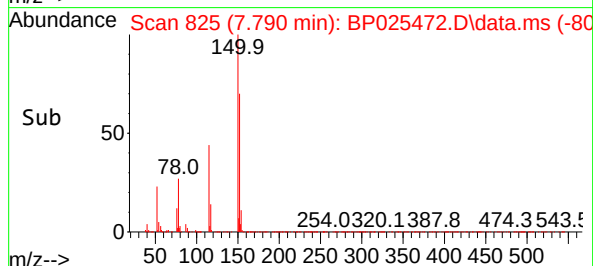
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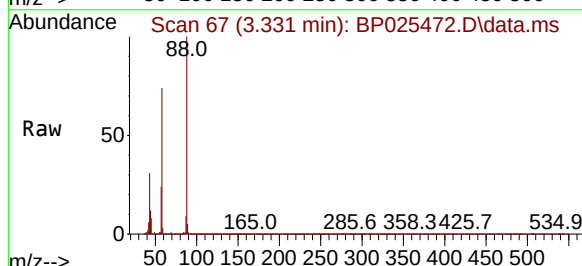
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 Ion Ratio Lower Upper
 152 100
 150 157.9 125.9 188.9
 115 62.9 48.5 72.7

Manual Integrations
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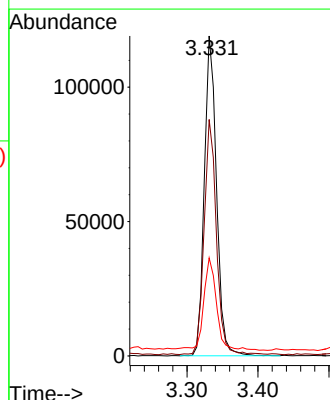
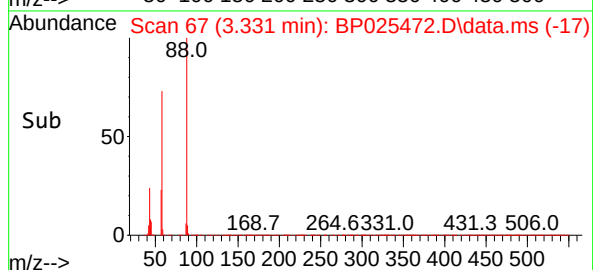
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

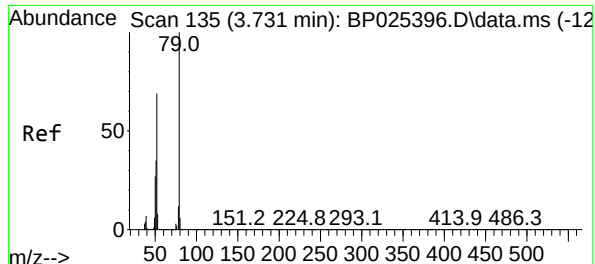


#2
 1,4-Dioxane
 Concen: 37.441 ng
 RT: 3.331 min Scan# 67
 Delta R.T. -0.006 min
 Lab File: BP025472.D
 Acq: 19 Aug 2025 12:06



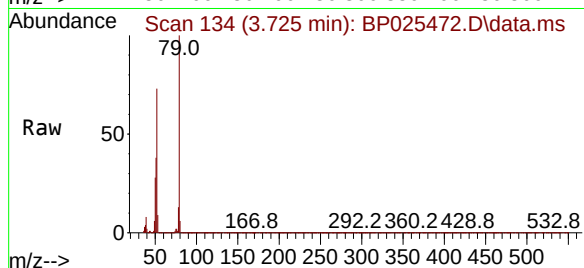
Tgt Ion: 88 Resp: 142275
 Ion Ratio Lower Upper
 88 100
 58 74.1 59.2 88.8
 43 28.2 21.7 32.5





#3
Pyridine
Concen: 38.325 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

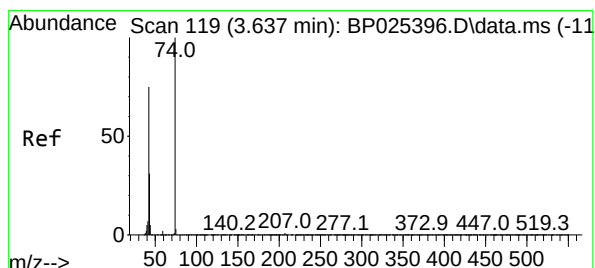
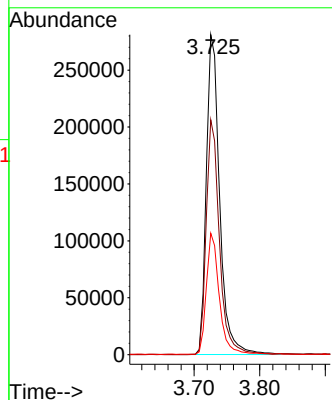
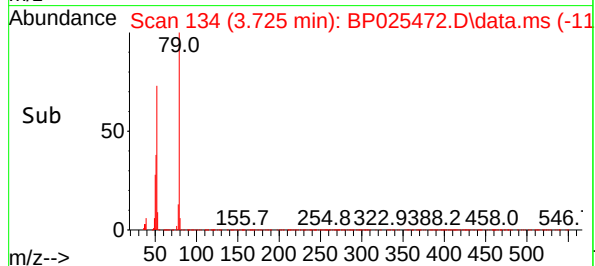
Instrument :
BNA_P
ClientSampleId :
PB169244BS



Tgt Ion: 79 Resp: 398620
Ion Ratio Lower Upper
79 100
52 73.4 55.5 83.3
51 37.9 28.3 42.5

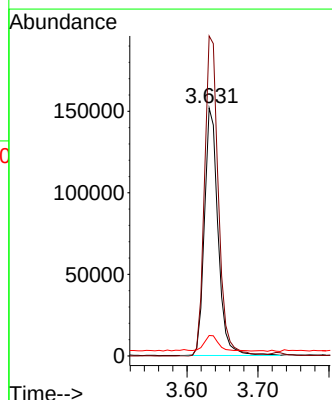
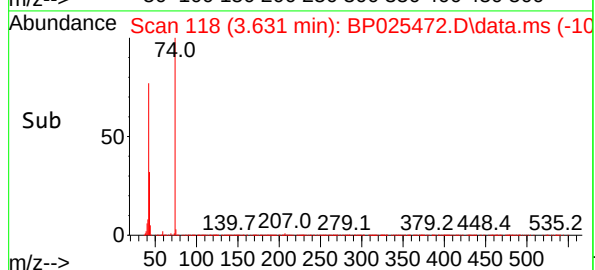
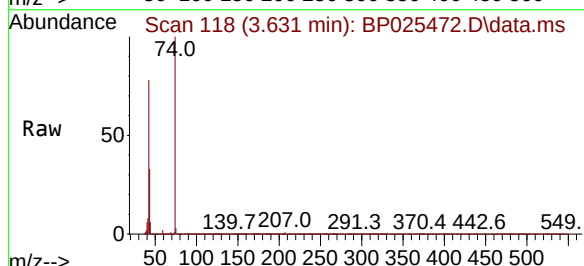
Manual Integrations
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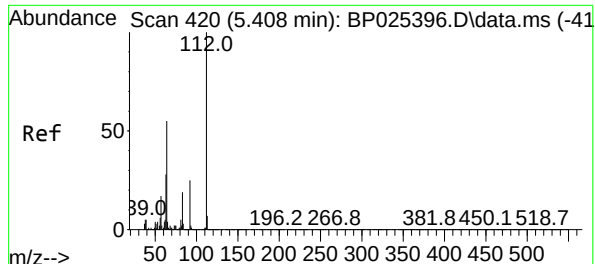
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#4
n-Nitrosodimethylamine
Concen: 47.058 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

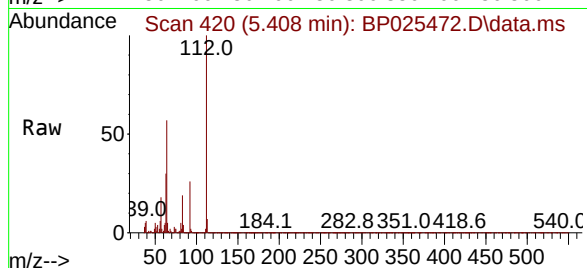
Tgt Ion: 42 Resp: 201784
Ion Ratio Lower Upper
42 100
74 129.0 107.0 160.4
44 8.2 6.2 9.4





#5
2-Fluorophenol
Concen: 137.876 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

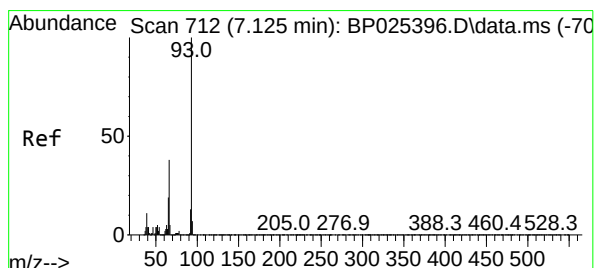
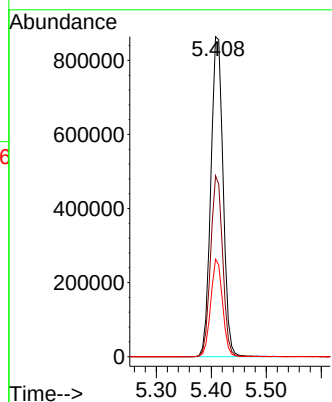
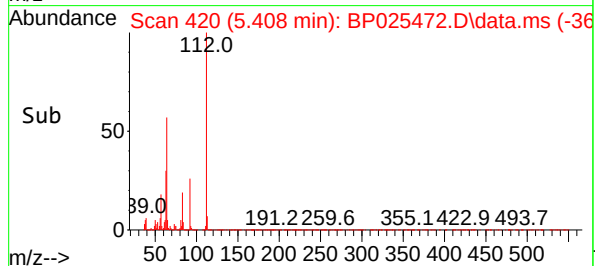
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ClientSampleId :
PB169244BS



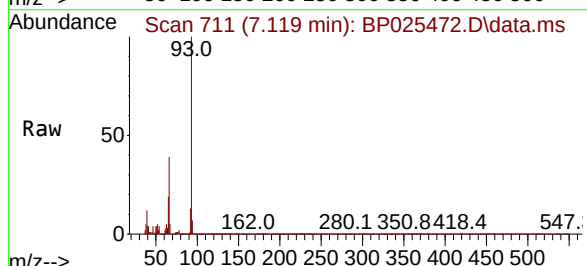
Tgt Ion: 112 Resp: 1337580
Ion Ratio Lower Upper
112 100
64 56.5 43.8 65.8
63 30.4 22.7 34.1

Manual Integrations
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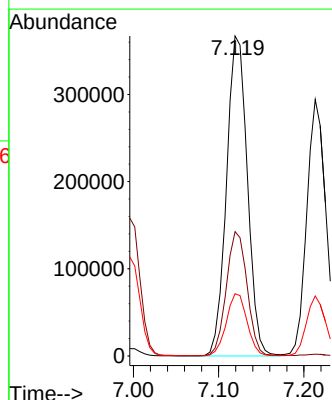
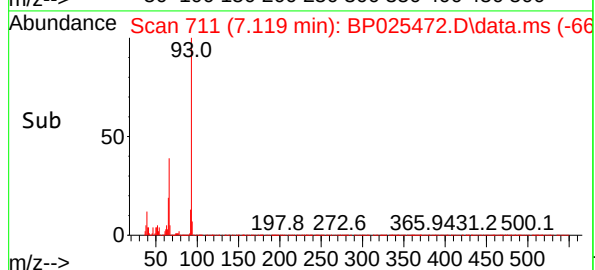
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

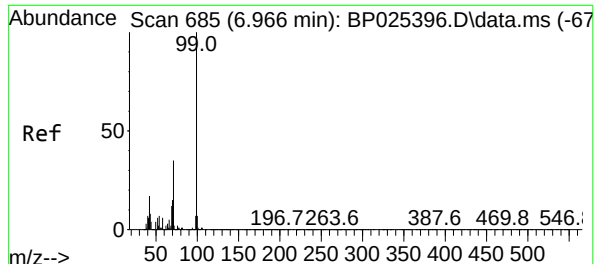


#6
Aniline
Concen: 37.353 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



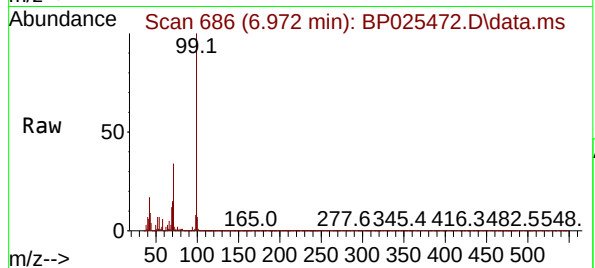
Tgt Ion: 93 Resp: 625971
Ion Ratio Lower Upper
93 100
66 38.9 30.4 45.6
65 19.4 15.3 22.9





#7
Phenol-d6
Concen: 135.735 ng
RT: 6.972 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

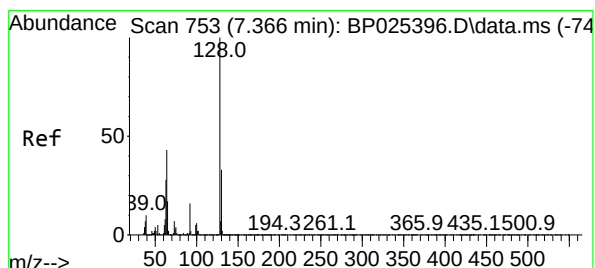
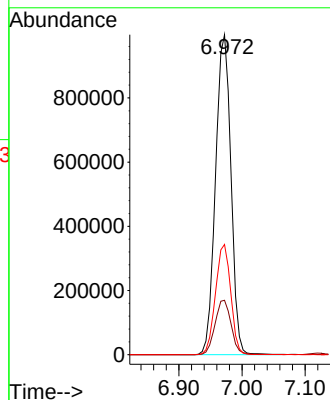
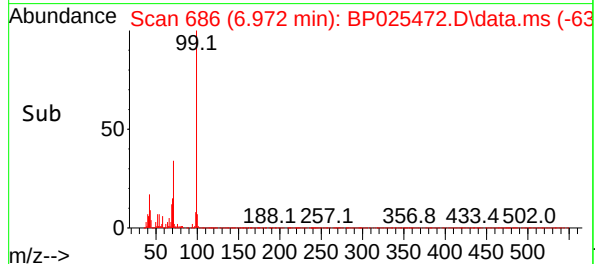
Instrument :
BNA_P
ClientSampleId :
PB169244BS



Tgt Ion: 99 Resp: 1688269
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 34.4 28.2 42.4

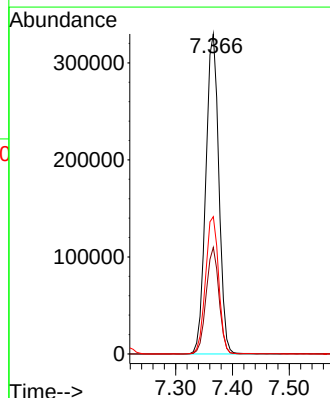
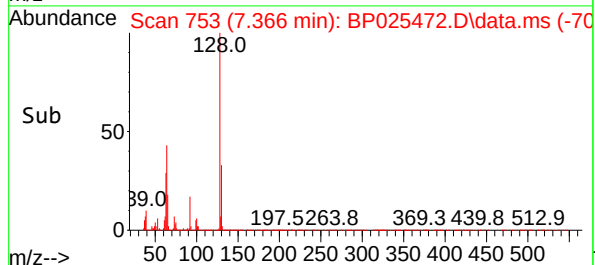
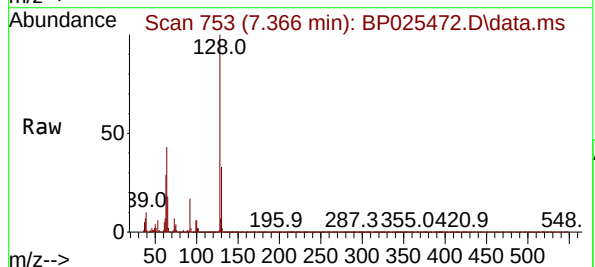
Manual Integrations
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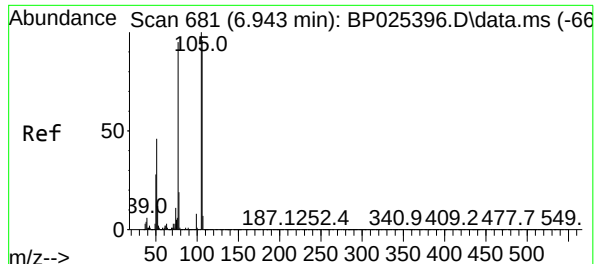
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#8
2-Chlorophenol
Concen: 47.941 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

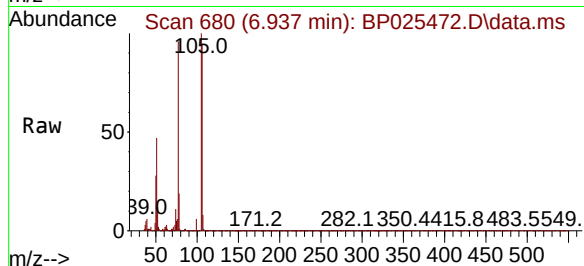
Tgt Ion:128 Resp: 524831
Ion Ratio Lower Upper
128 100
130 33.3 12.6 52.6
64 42.9 23.4 63.4





#9
Benzaldehyde
Concen: 27.431 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

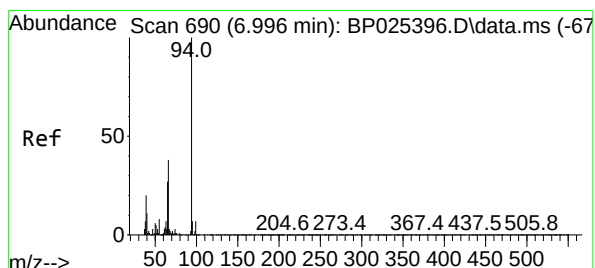
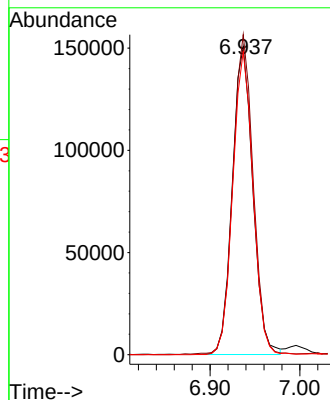
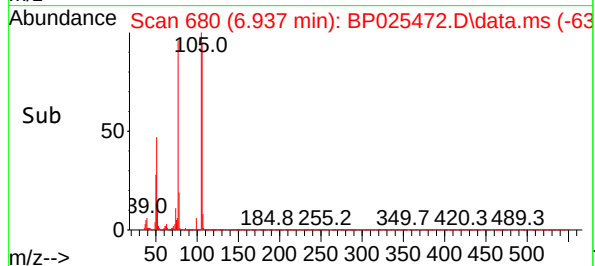
Instrument :
BNA_P
ClientSampleId :
PB169244BS



Tgt Ion: 77 Resp: 239040
Ion Ratio Lower Upper
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105 103.8 84.8 124.8
106 98.4 80.5 120.5

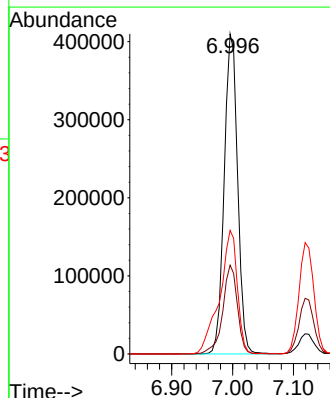
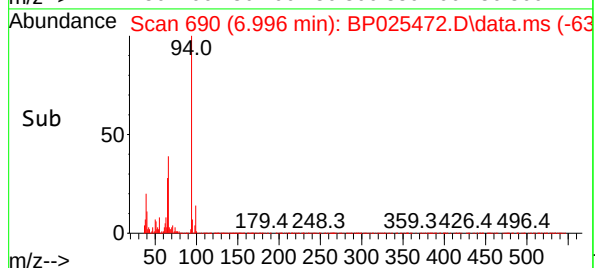
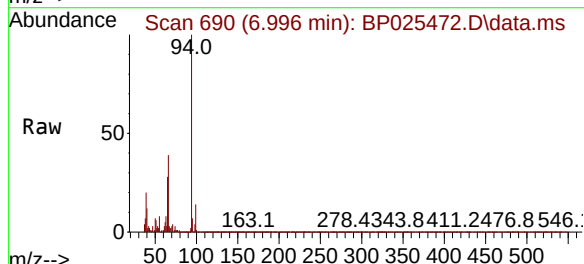
Manual Integrations
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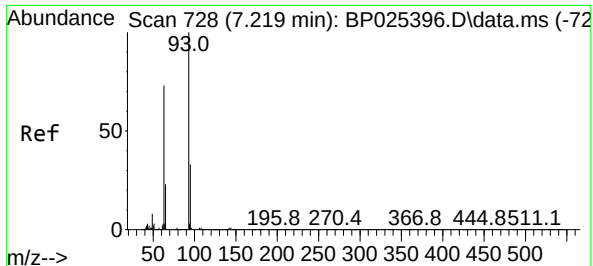
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#10
Phenol
Concen: 48.175 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion: 94 Resp: 628743
Ion Ratio Lower Upper
94 100
65 27.7 6.8 46.8
66 38.6 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 44.744 ng

RT: 7.213 min Scan# 728

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion: 93 Resp: 45515

Ion Ratio Lower Upper

93 100

63 72.2 52.6 92.6

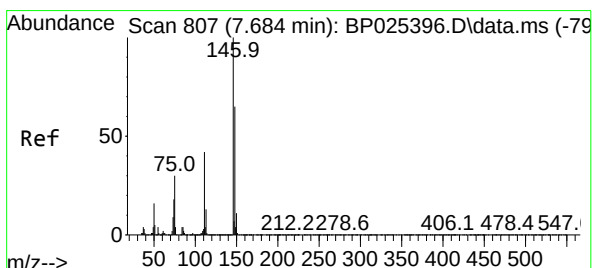
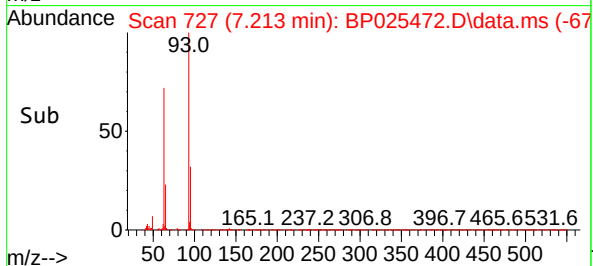
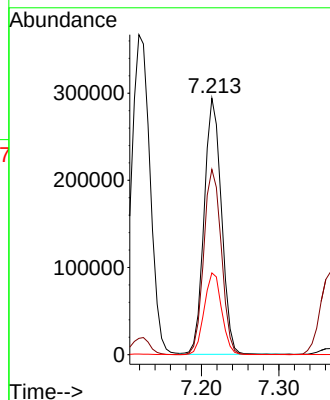
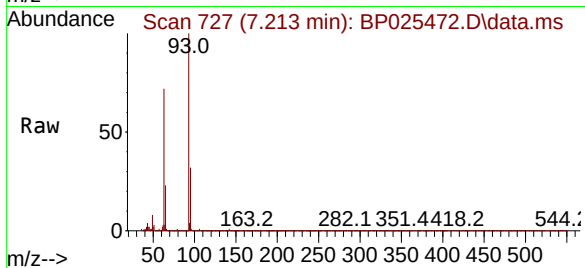
95 31.9 12.7 52.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#12

1,3-Dichlorobenzene

Concen: 45.014 ng

RT: 7.684 min Scan# 807

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

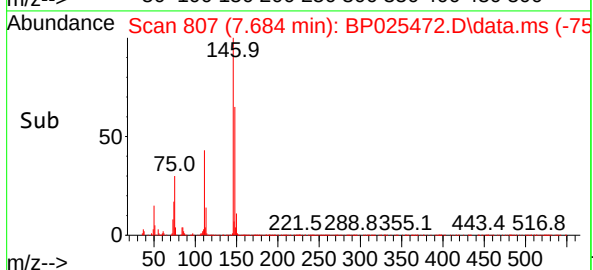
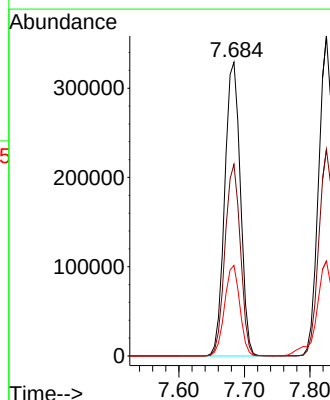
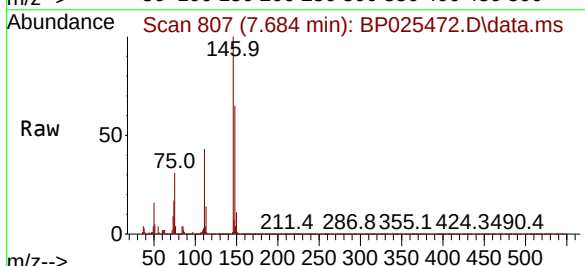
Tgt Ion:146 Resp: 543382

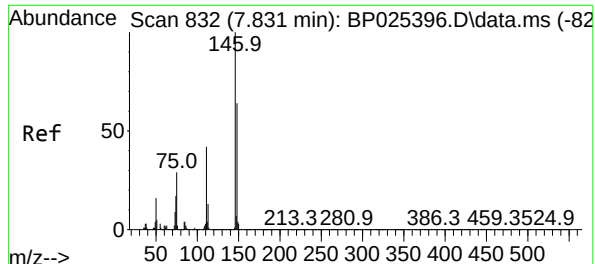
Ion Ratio Lower Upper

146 100

148 65.2 51.9 77.9

75 30.8 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 44.876 ng

RT: 7.825 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:146 Resp: 55370

Ion Ratio Lower Upper

146 100

148 64.6 51.6 77.4

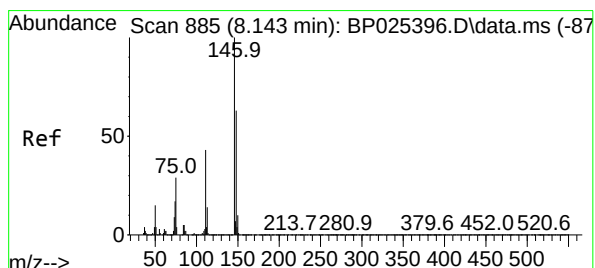
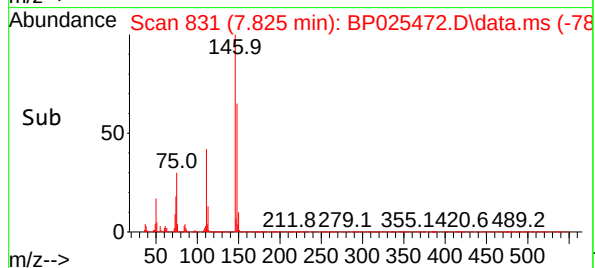
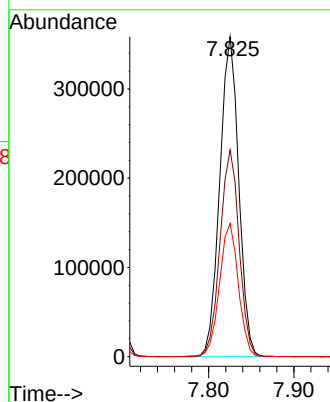
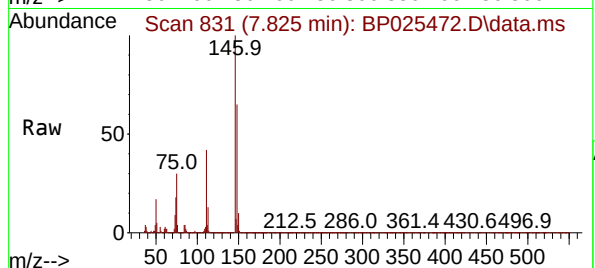
111 41.6 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#14

1,2-Dichlorobenzene

Concen: 44.742 ng

RT: 8.137 min Scan# 884

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

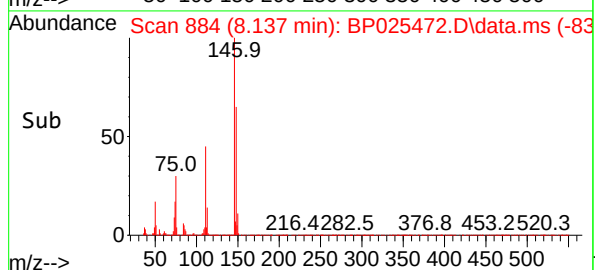
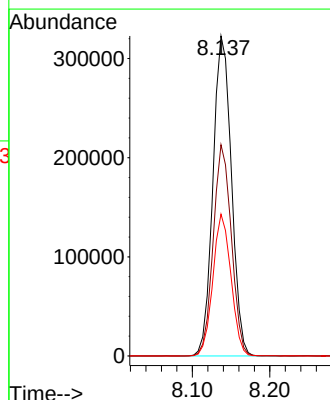
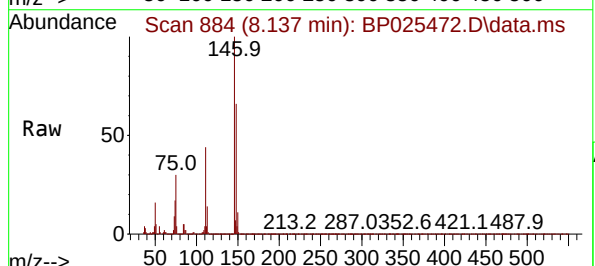
Tgt Ion:146 Resp: 534380

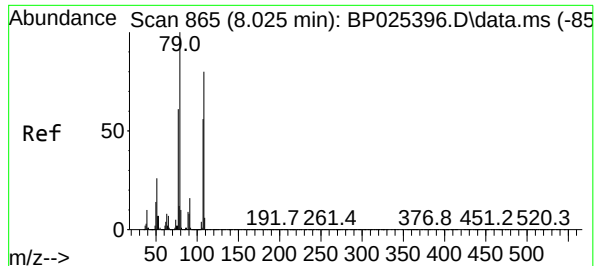
Ion Ratio Lower Upper

146 100

148 66.0 50.4 75.6

111 44.3 34.5 51.7





#15

Benzyl Alcohol

Concen: 44.974 ng

RT: 8.025 min Scan# 80

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion: 79 Resp: 44447

Ion Ratio Lower Upper

79 100

108 78.8 63.8 95.6

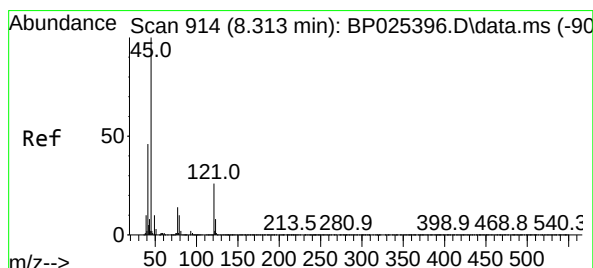
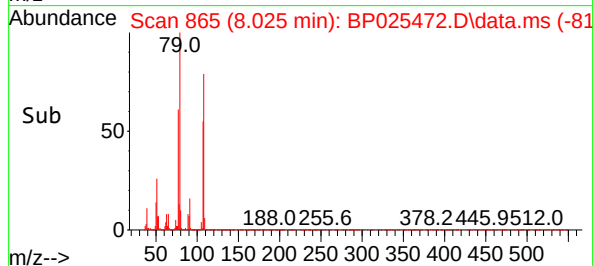
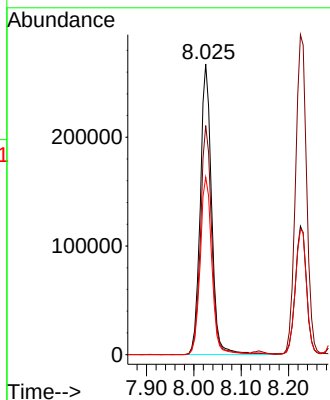
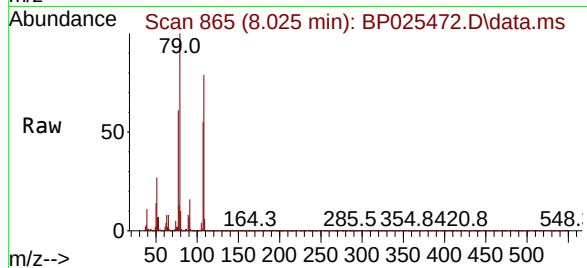
77 61.1 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.153 ng

RT: 8.307 min Scan# 913

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

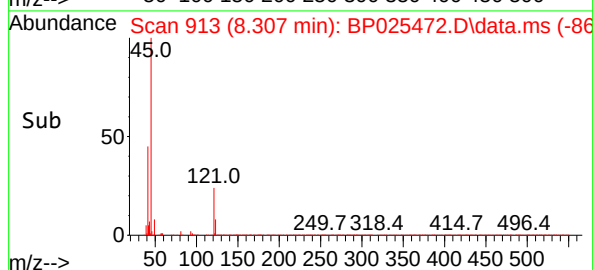
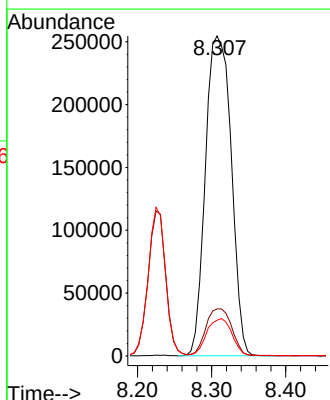
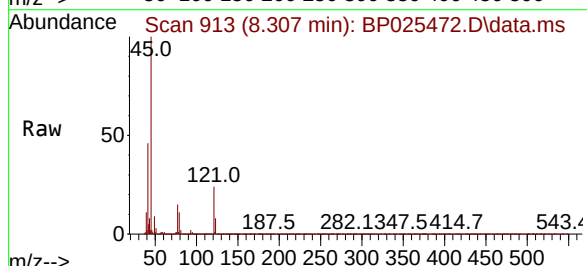
Tgt Ion: 45 Resp: 615310

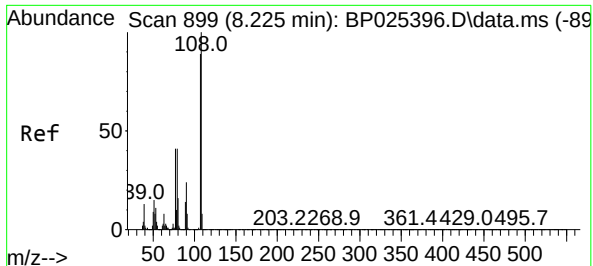
Ion Ratio Lower Upper

45 100

77 14.7 0.0 35.3

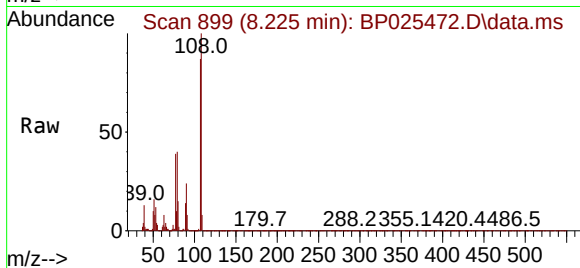
79 11.1 0.0 31.8





#17
2-Methylphenol
Concen: 46.879 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

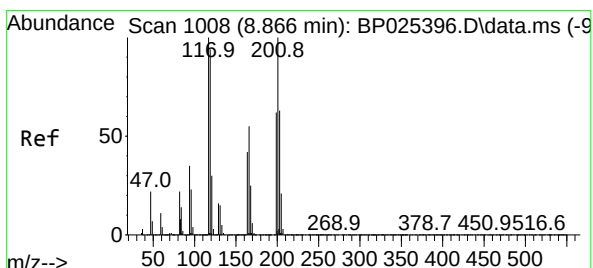
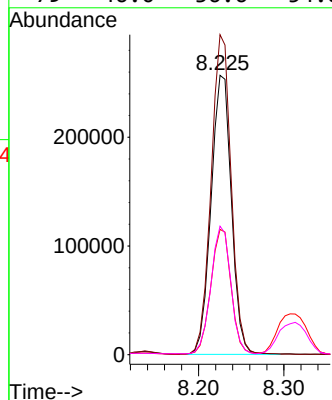
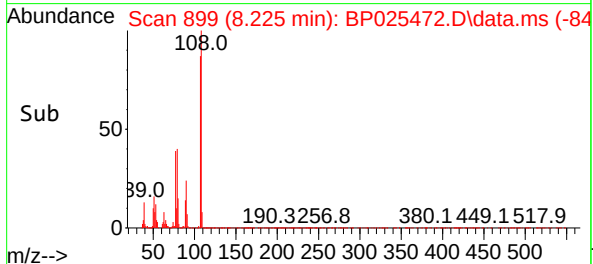
Instrument :
BNA_P
ClientSampleId :
PB169244BS



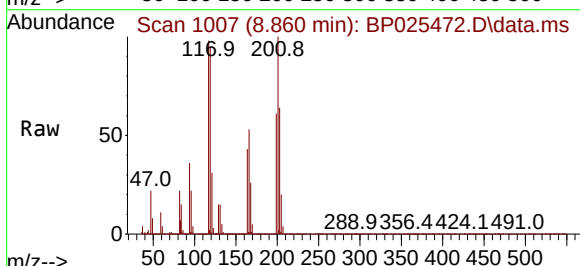
Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.5	89.4	134.0
77	44.9	36.3	54.5
79	46.0	36.6	54.8

Manual Integrations
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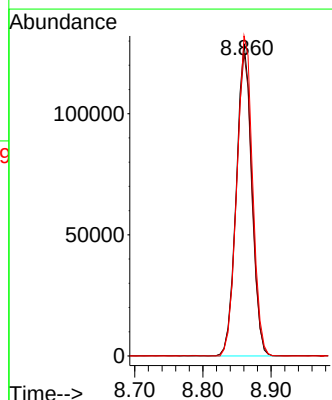
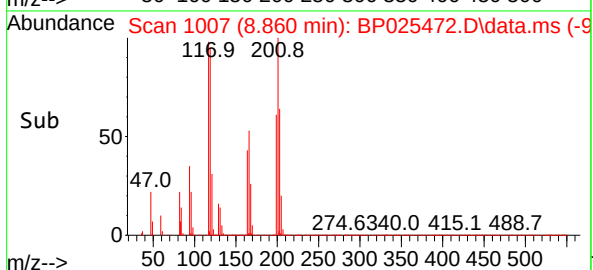
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

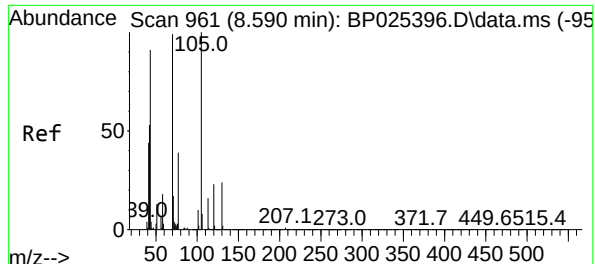


#18
Hexachloroethane
Concen: 45.209 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.1	112.7
201	102.5	80.1	120.1





#19

n-Nitroso-di-n-propylamine

Concen: 42.121 ng

RT: 8.584 min Scan# 90

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion: 70 Resp: 347018

Ion Ratio Lower Upper

70 100

42 58.0 43.8 65.6

101 11.4 8.5 12.7

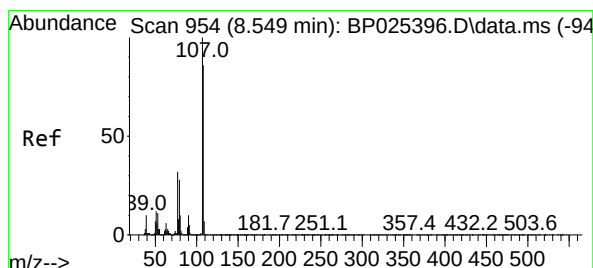
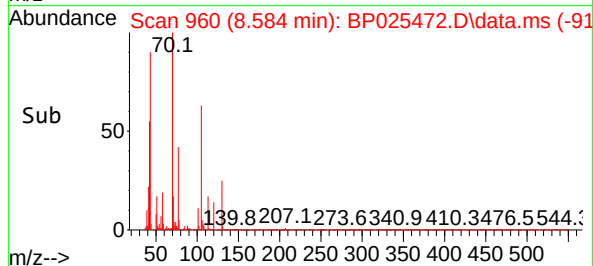
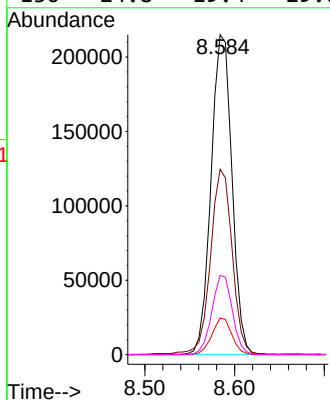
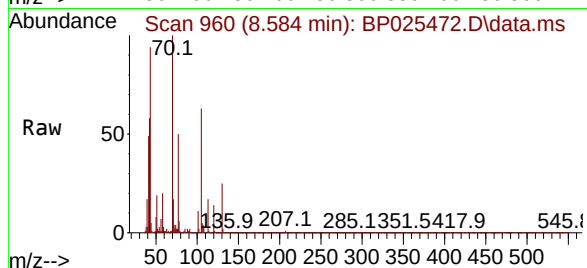
130 24.8 19.4 29.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#20

3+4-Methylphenols

Concen: 46.577 ng

RT: 8.549 min Scan# 954

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Tgt Ion:107 Resp: 585226

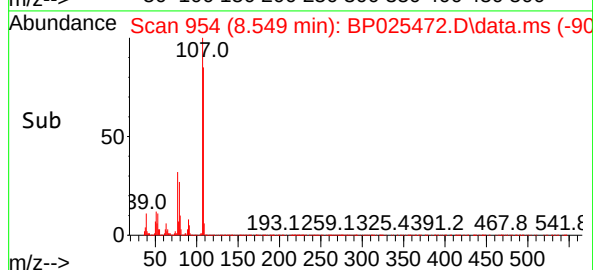
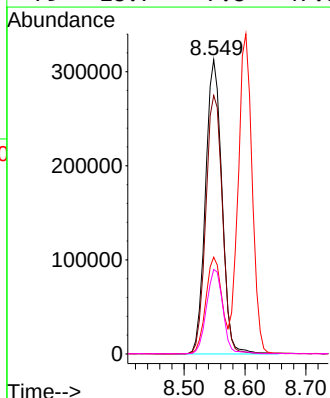
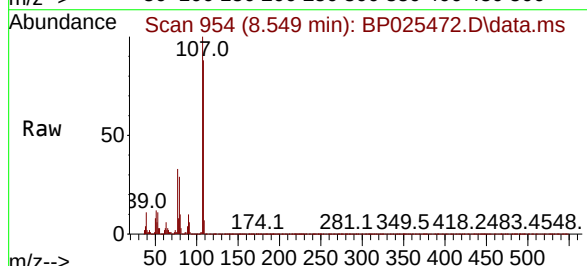
Ion Ratio Lower Upper

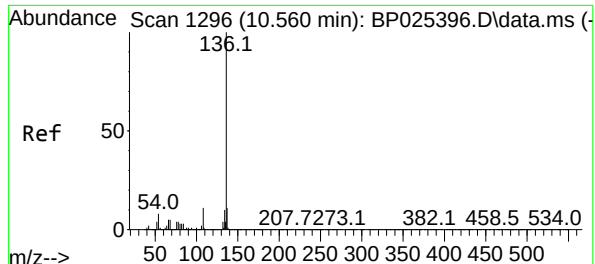
107 100

108 87.9 66.3 106.3

77 32.9 12.3 52.3

79 28.7 7.8 47.8





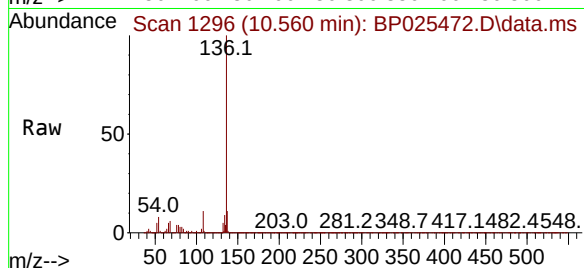
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

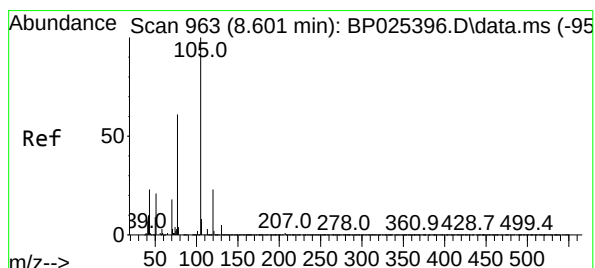
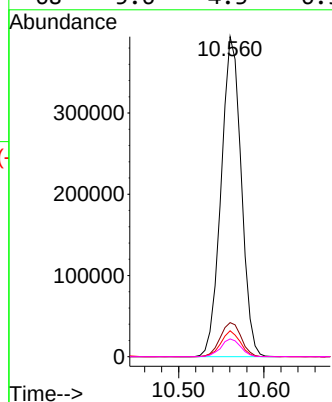
PB169244BS



Tgt Ion:136 Resp: 64495
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 8.1 6.0 9.0
68 5.6 4.3 6.5

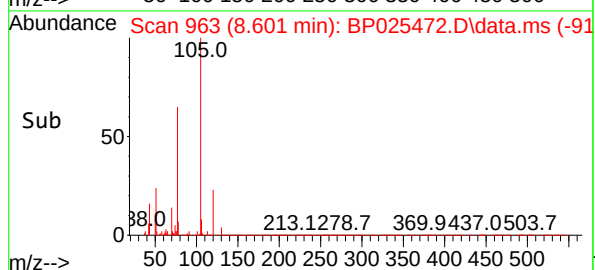
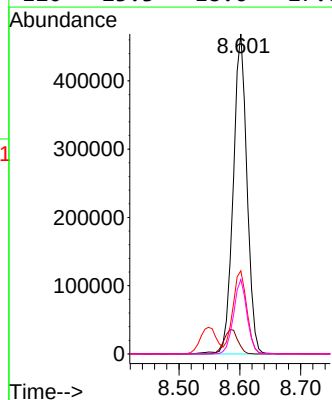
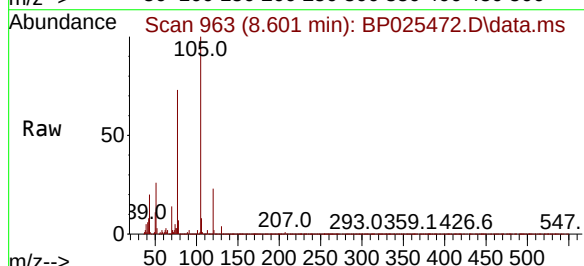
Manual Integrations
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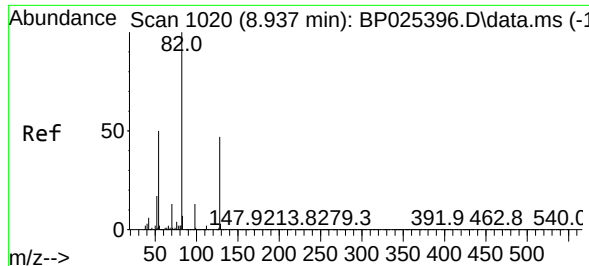
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#22
Acetophenone
Concen: 45.445 ng
RT: 8.601 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:105 Resp: 735041
Ion Ratio Lower Upper
105 100
71 2.4 2.6 4.0#
51 26.0 20.6 30.8
120 23.3 18.6 27.8





#23

Nitrobenzene-d5

Concen: 82.423 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion: 82 Resp: 105088

Ion Ratio Lower Upper

82 100

128 45.6 37.7 56.5

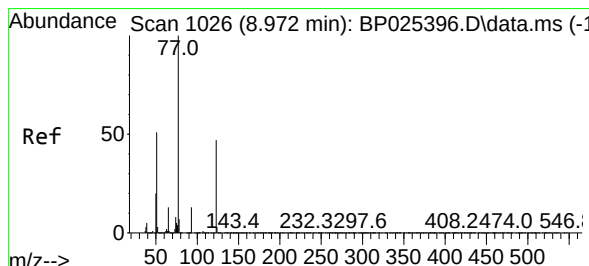
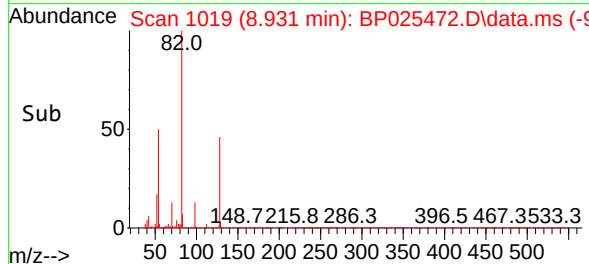
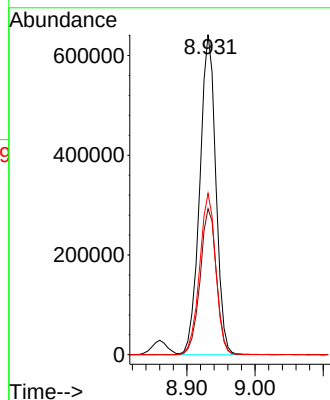
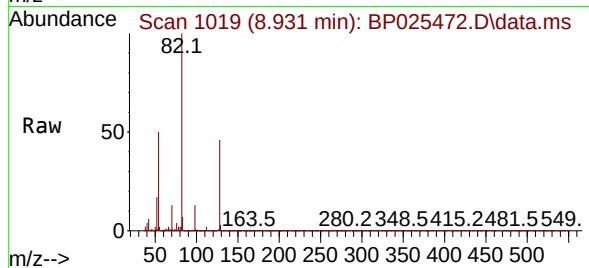
54 50.4 39.8 59.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#24

Nitrobenzene

Concen: 46.610 ng

RT: 8.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

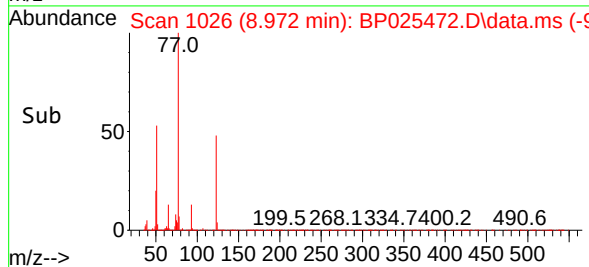
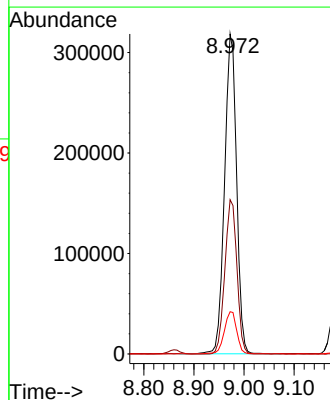
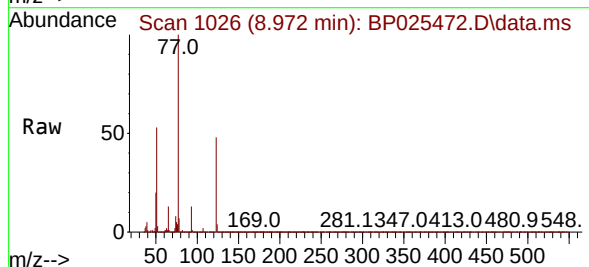
Tgt Ion: 77 Resp: 531108

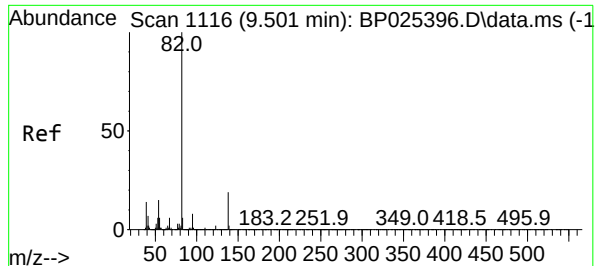
Ion Ratio Lower Upper

77 100

123 48.2 38.6 58.0

65 13.2 10.6 15.8





#25

Isophorone

Concen: 44.048 ng

RT: 9.496 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion: 82 Resp: 99389

Ion Ratio Lower Upper

82 100

95 7.5 6.4 9.6

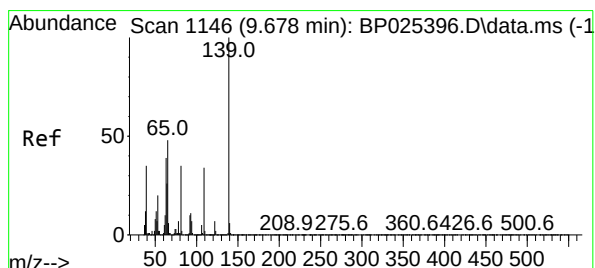
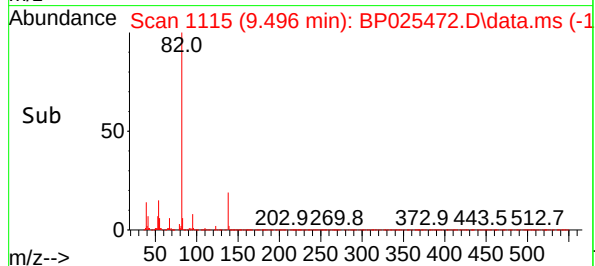
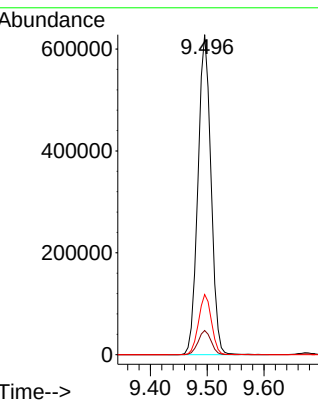
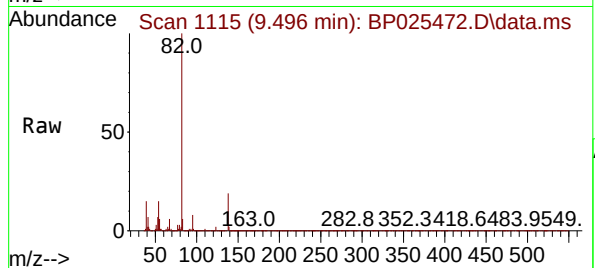
138 18.8 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#26

2-Nitrophenol

Concen: 46.827 ng

RT: 9.672 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

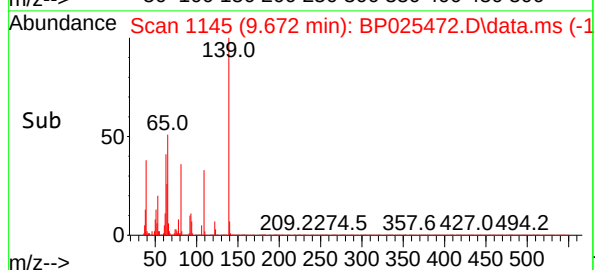
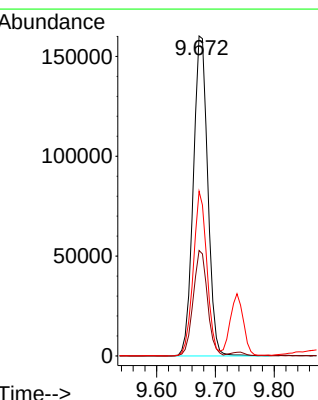
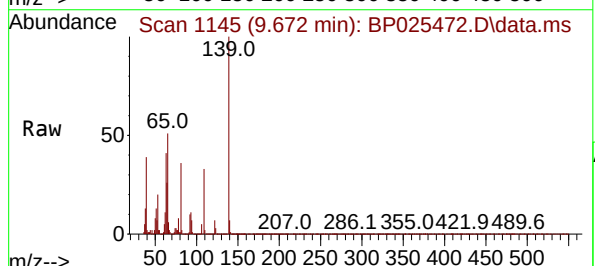
Tgt Ion:139 Resp: 273836

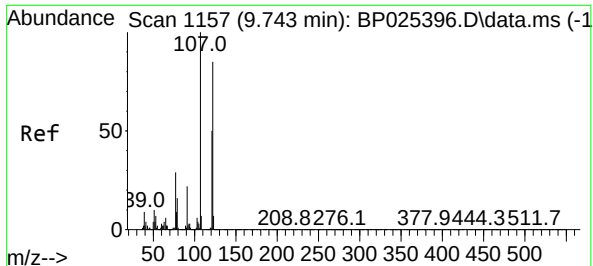
Ion Ratio Lower Upper

139 100

109 32.9 26.9 40.3

65 51.5 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 47.669 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:122 Resp: 47938

Ion Ratio Lower Upper

122 100

107 119.5 93.7 140.5

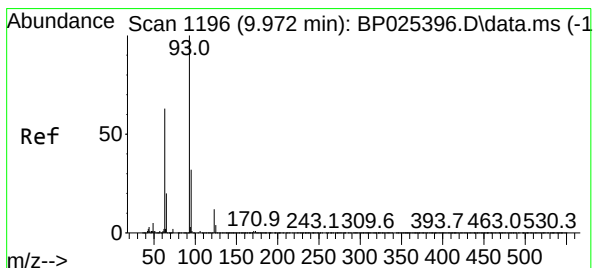
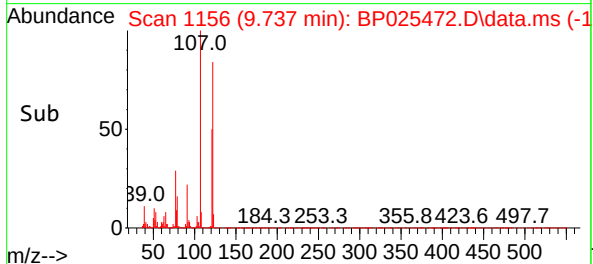
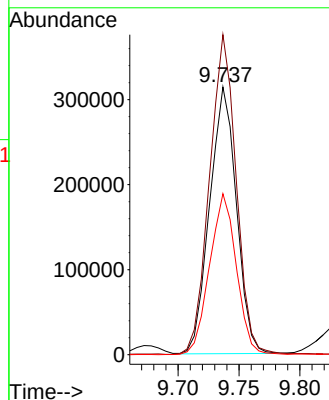
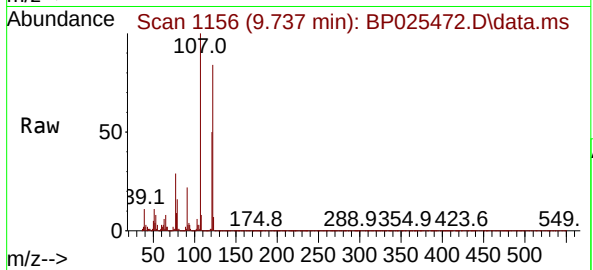
121 60.1 46.6 69.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#28

bis(2-Chloroethoxy)methane

Concen: 44.988 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

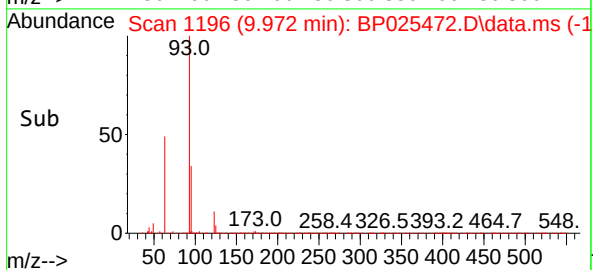
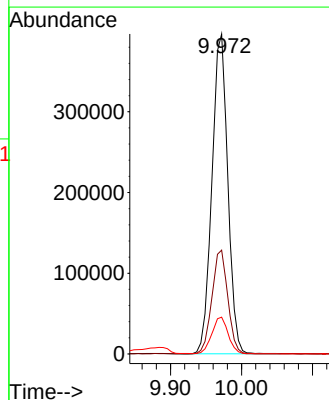
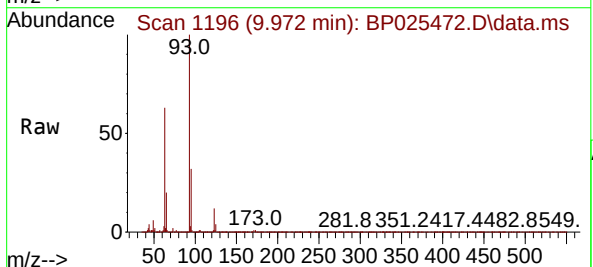
Tgt Ion: 93 Resp: 613611

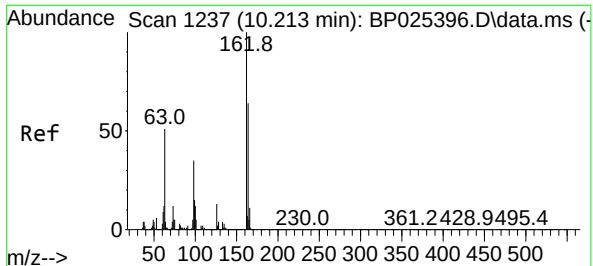
Ion Ratio Lower Upper

93 100

95 32.4 25.4 38.0

123 11.5 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 49.210 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

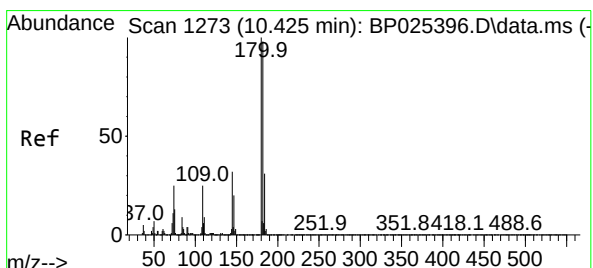
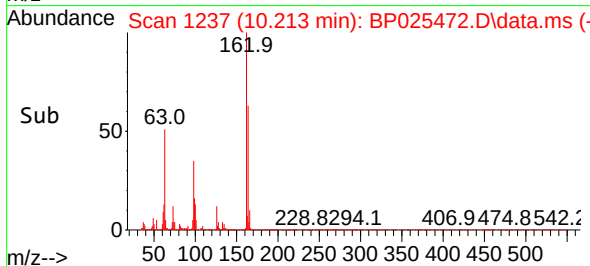
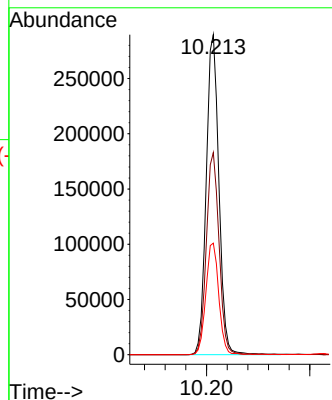
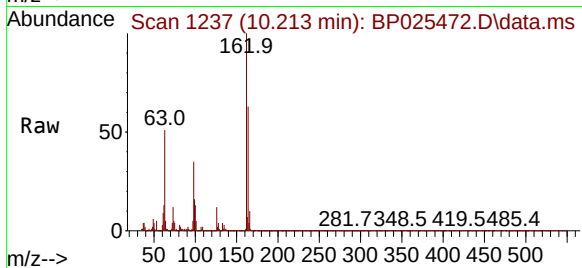
PB169244BS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.1	44.4	84.4
98	34.9	14.9	54.9

Manual Integrations
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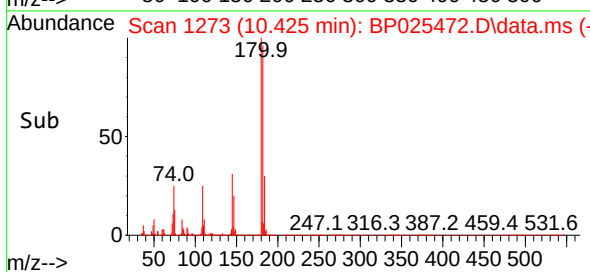
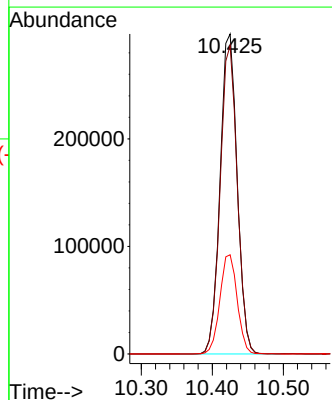
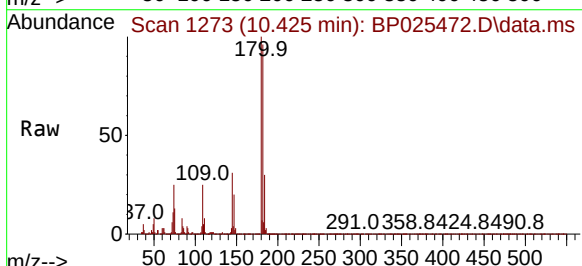
Reviewed By :Rahul Chavli 08/20/2025

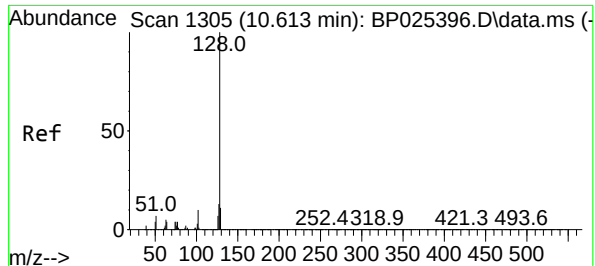
Supervised By :Jagrut Upadhyay 08/20/2025



#30
1,2,4-Trichlorobenzene
Concen: 45.218 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

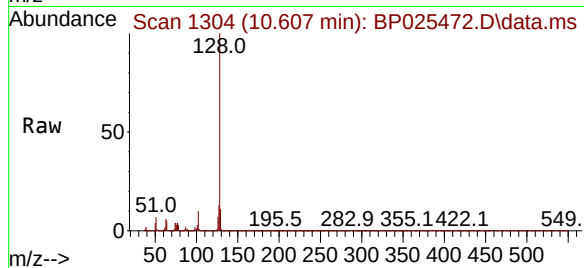
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.0	117.0
145	31.0	25.9	38.9





#31
Naphthalene
Concen: 45.778 ng
RT: 10.607 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

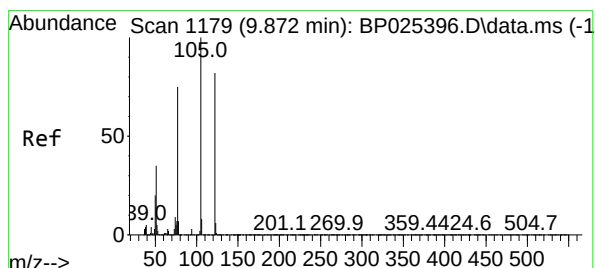
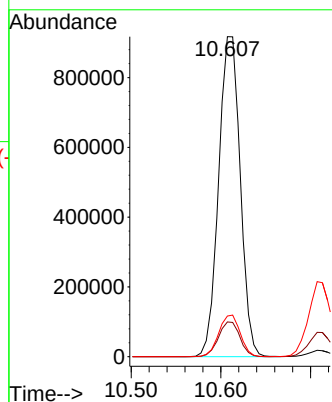
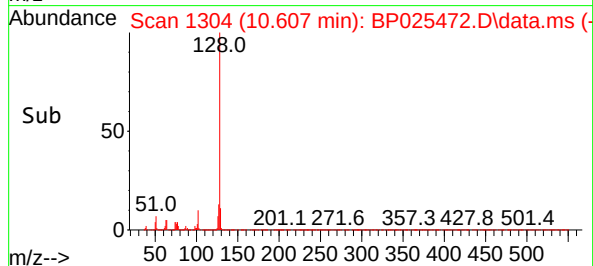
Instrument :
BNA_P
ClientSampleId :
PB169244BS



Tgt Ion:128 Resp: 153456
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.7 10.7 16.1

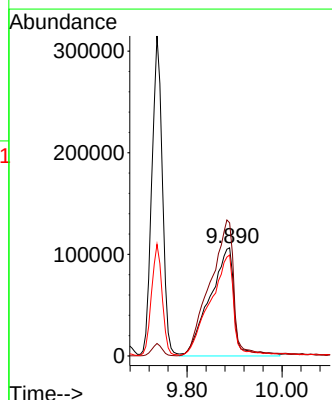
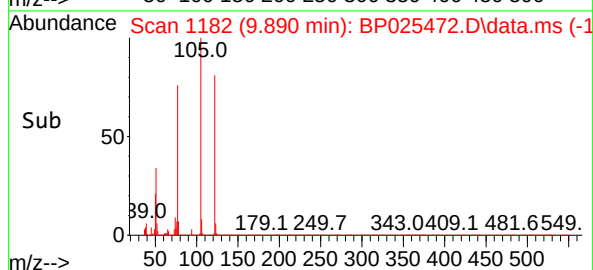
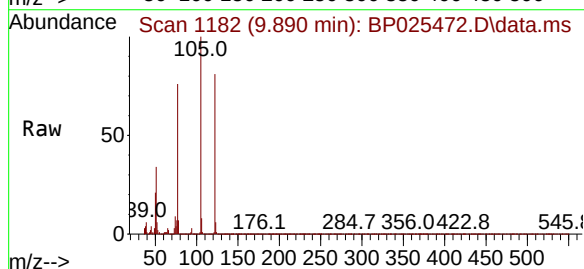
Manual Integrations
APPROVED

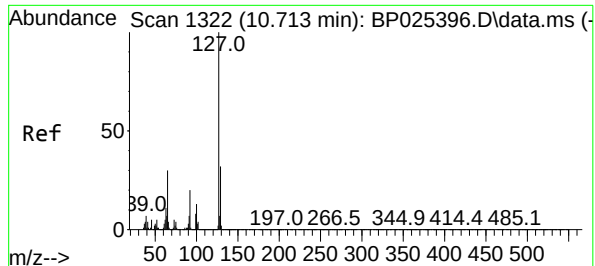
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#32
Benzoic acid
Concen: 51.543 ng m
RT: 9.890 min Scan# 1182
Delta R.T. 0.018 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

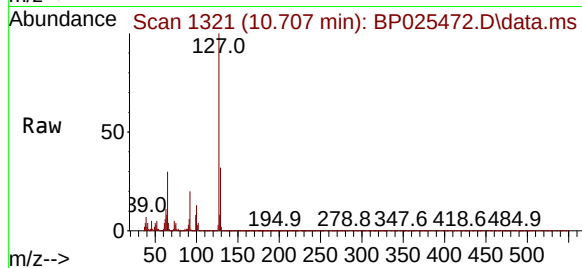
Tgt Ion:122 Resp: 382681
Ion Ratio Lower Upper
122 100
105 123.0 100.6 140.6
77 93.3 71.5 111.5





#33
4-Chloroaniline
Concen: 26.321 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

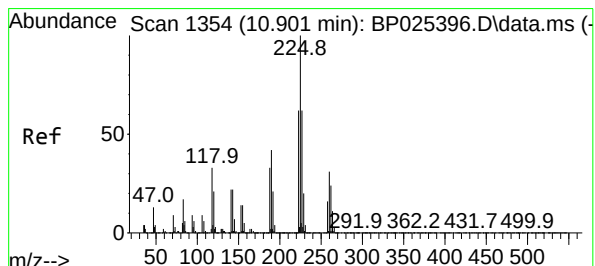
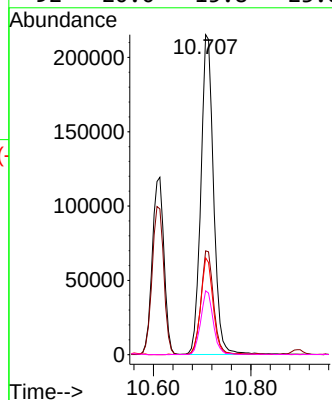
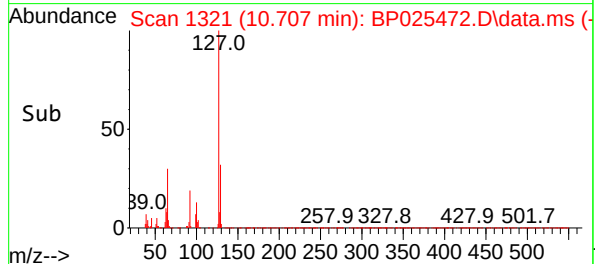
Instrument :
BNA_P
ClientSampleId :
PB169244BS



Tgt Ion:127 Resp: 38974
Ion Ratio Lower Upper
127 100
129 32.4 25.4 38.2
65 30.3 23.8 35.6
92 20.0 15.8 23.8

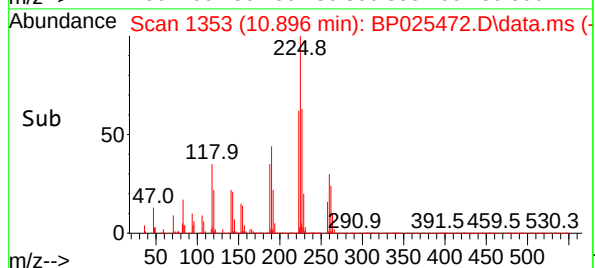
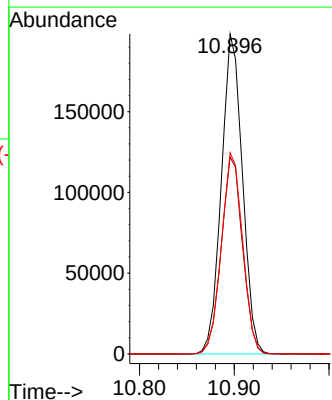
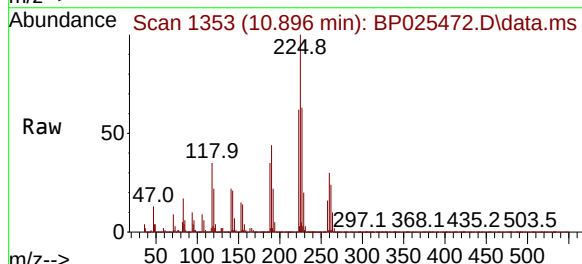
Manual Integrations
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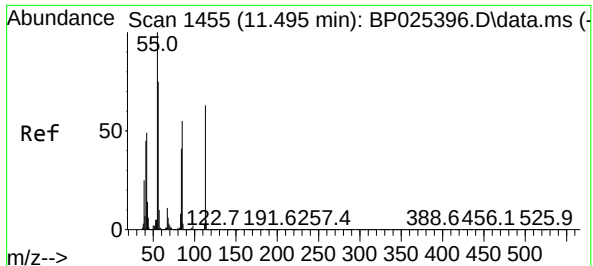
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#34
Hexachlorobutadiene
Concen: 44.872 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

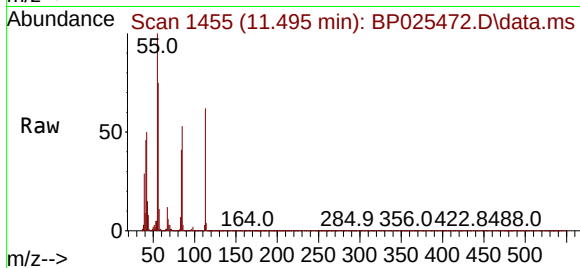
Tgt Ion:225 Resp: 306039
Ion Ratio Lower Upper
225 100
223 61.5 50.0 75.0
227 62.9 49.7 74.5





#35
Caprolactam
Concen: 47.476 ng
RT: 11.495 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

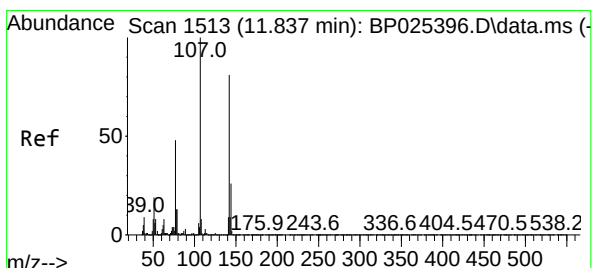
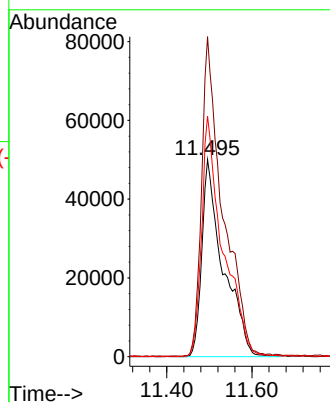
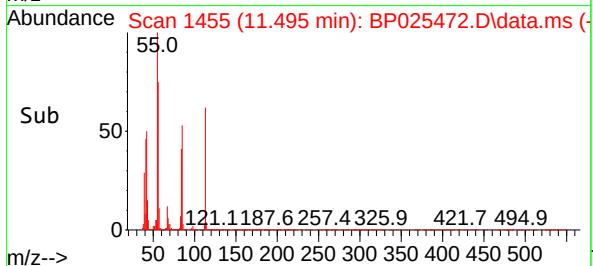
Instrument :
BNA_P
ClientSampleId :
PB169244BS



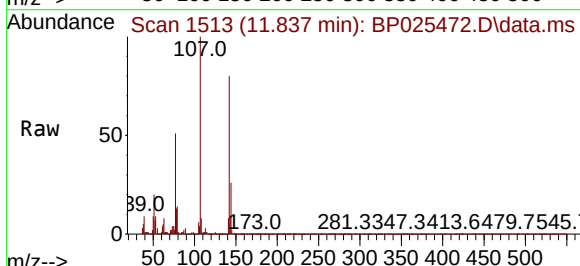
Tgt Ion:113 Resp: 173914
Ion Ratio Lower Upper
113 100
55 162.3 140.0 180.0
56 122.1 100.0 140.0

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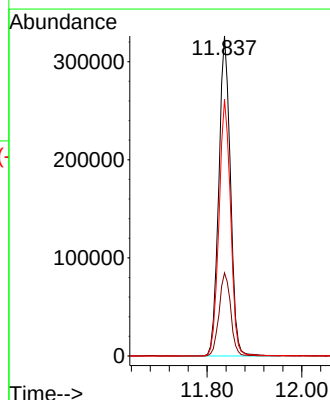
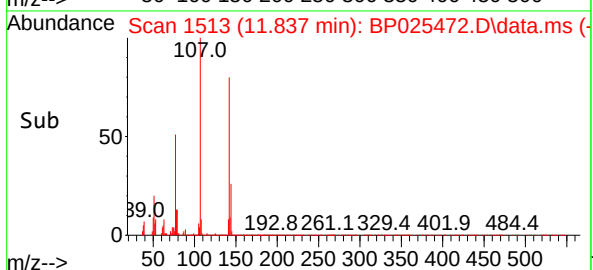
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

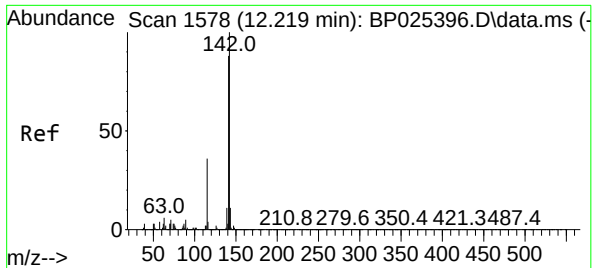


#36
4-Chloro-3-methylphenol
Concen: 48.473 ng
RT: 11.837 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



Tgt Ion:107 Resp: 555661
Ion Ratio Lower Upper
107 100
144 25.9 21.0 31.4
142 80.1 64.6 97.0





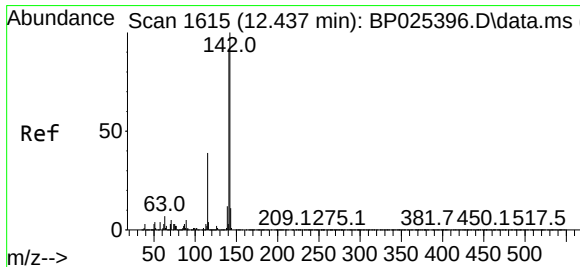
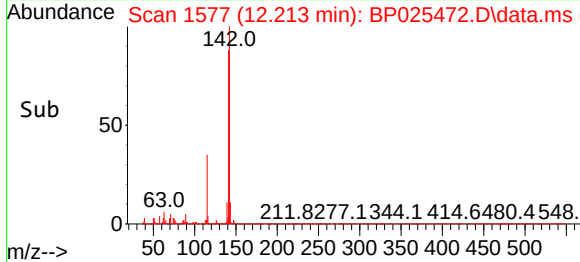
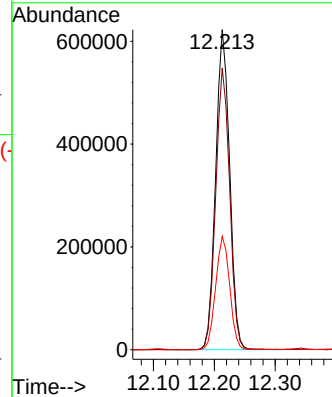
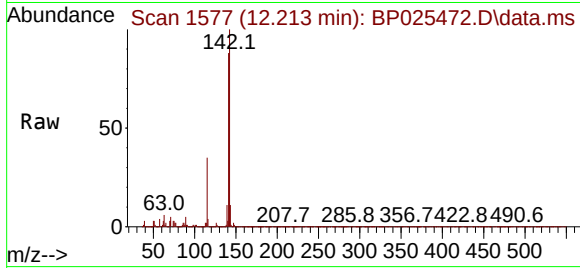
#37
2-Methylnaphthalene
Concen: 45.516 ng
RT: 12.213 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Instrument :
BNA_P
ClientSampleId :
PB169244BS

Tgt Ion:142 Resp: 992930
Ion Ratio Lower Upper
142 100
141 88.0 70.3 105.5
115 35.4 28.9 43.3

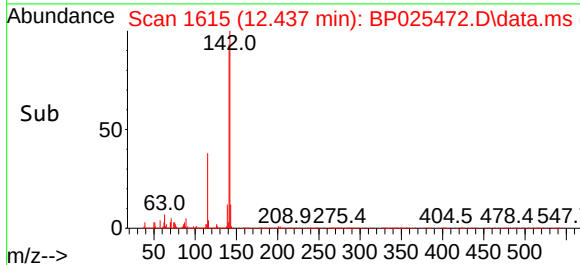
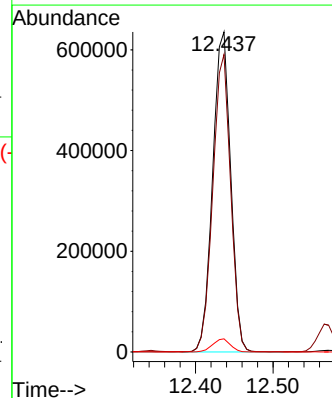
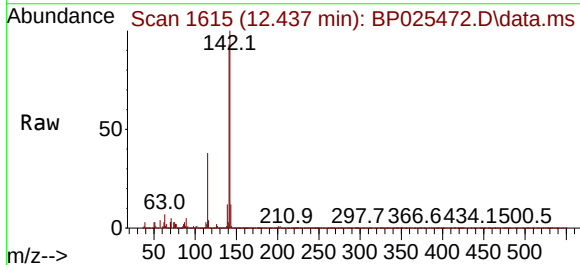
Manual Integrations
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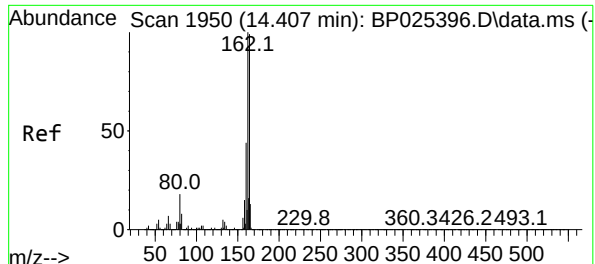
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#38
1-Methylnaphthalene
Concen: 44.374 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:142 Resp: 1029457
Ion Ratio Lower Upper
142 100
141 92.9 73.1 109.7
116 4.1 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.401 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:164 Resp: 415960

Ion Ratio Lower Upper

164 100

162 100.5 81.0 121.6

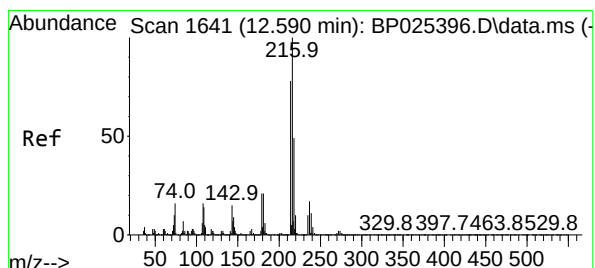
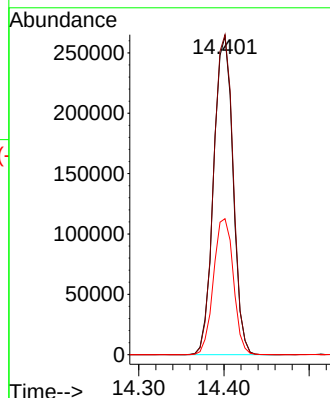
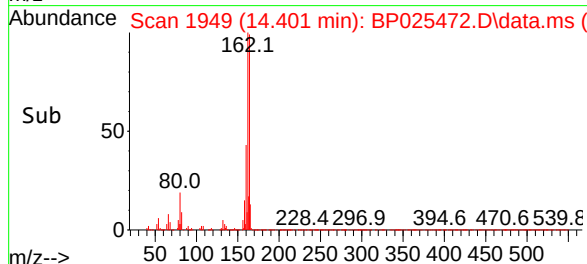
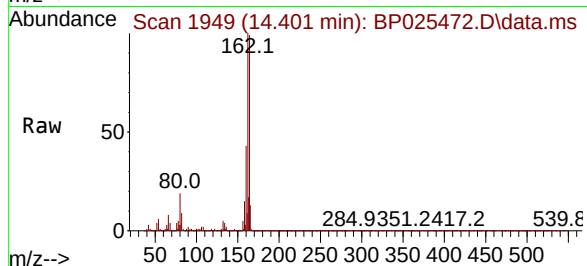
160 42.7 35.4 53.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.113 ng

RT: 12.584 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Tgt Ion:216 Resp: 553975

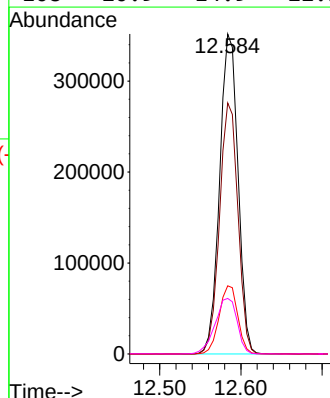
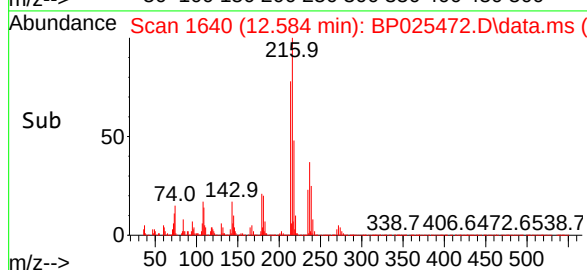
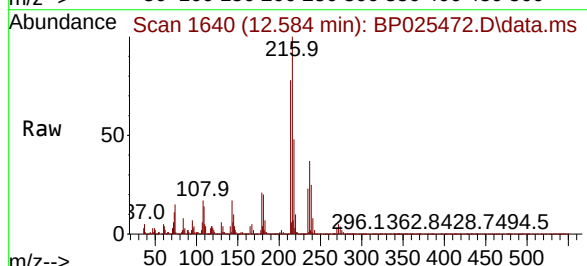
Ion Ratio Lower Upper

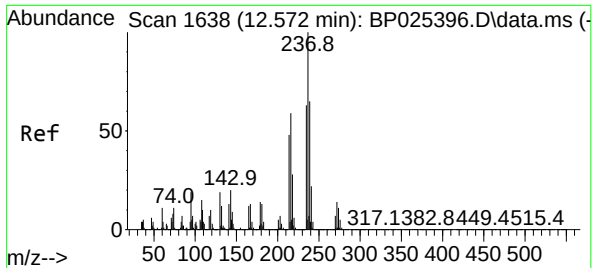
216 100

214 78.5 63.0 94.4

179 21.6 17.1 25.7

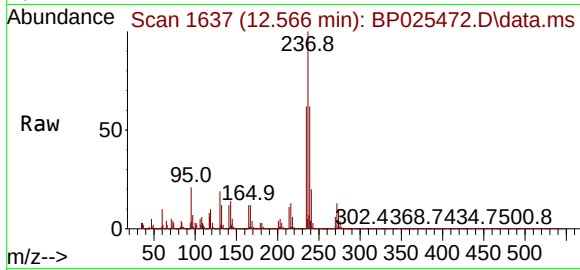
108 20.9 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 92.369 ng
RT: 12.566 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

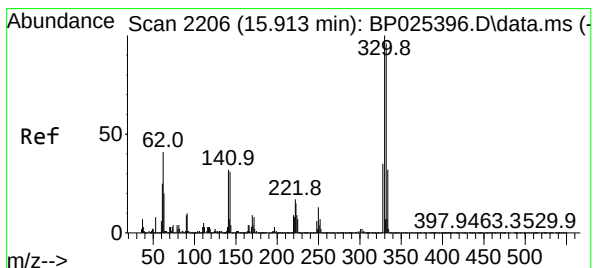
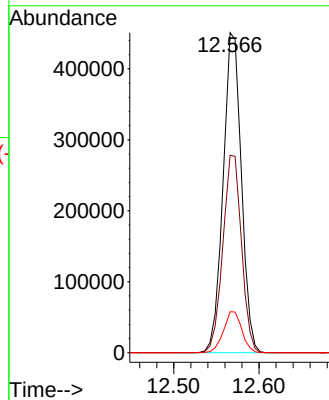
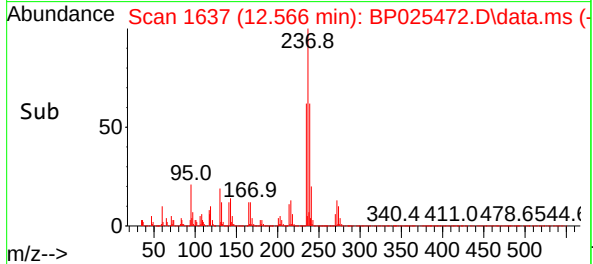
Instrument :
BNA_P
ClientSampleId :
PB169244BS



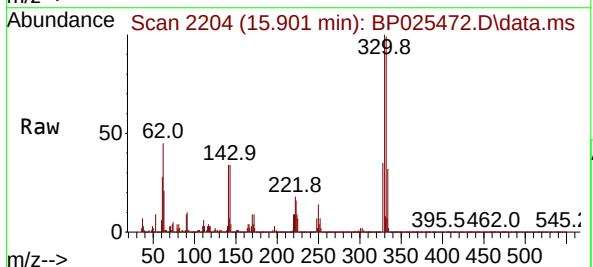
Tgt Ion: 237 Resp: 67028
Ion Ratio Lower Upper
237 100
235 61.7 42.7 82.7
272 12.8 0.0 34.0

Manual Integrations
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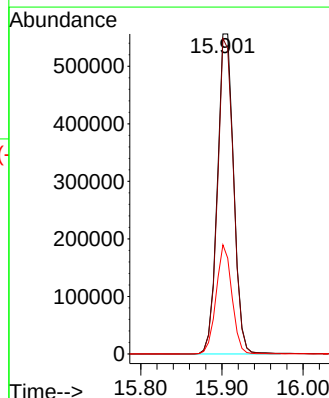
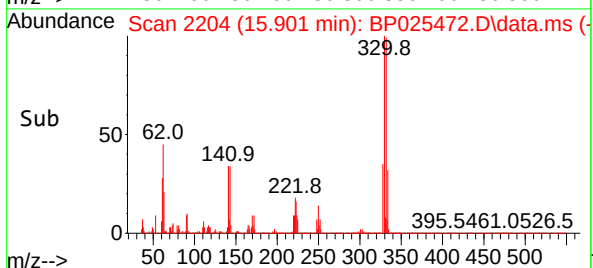
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

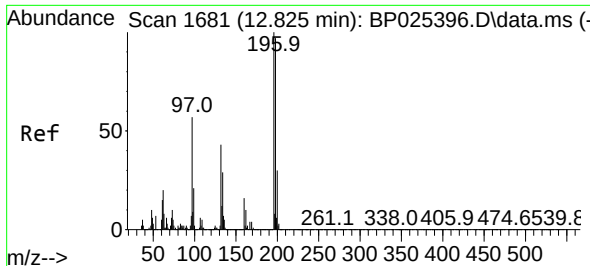


#42
2,4,6-Tribromophenol
Concen: 138.474 ng
RT: 15.901 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



Tgt Ion: 330 Resp: 775299
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 33.1 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 50.417 ng

RT: 12.825 min Scan# 1681

Delta R.T. -0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:196 Resp: 408898

Ion Ratio Lower Upper

196 100

198 95.3 77.2 115.8

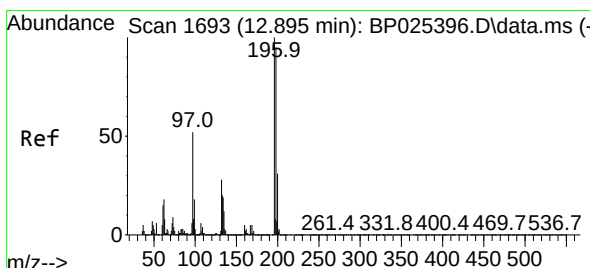
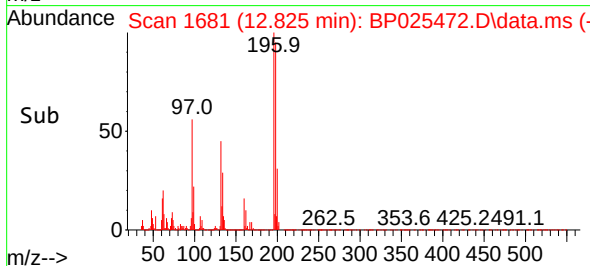
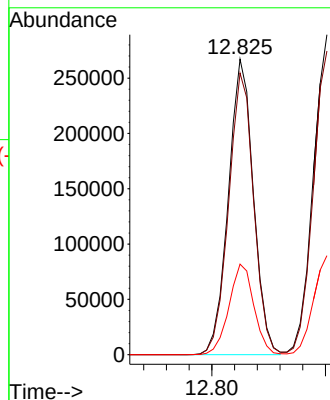
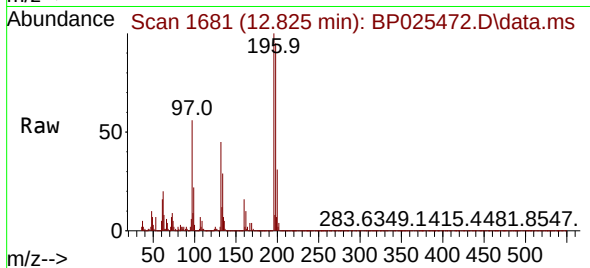
200 30.7 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#44

2,4,5-Trichlorophenol

Concen: 50.941 ng

RT: 12.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Tgt Ion:196 Resp: 452804

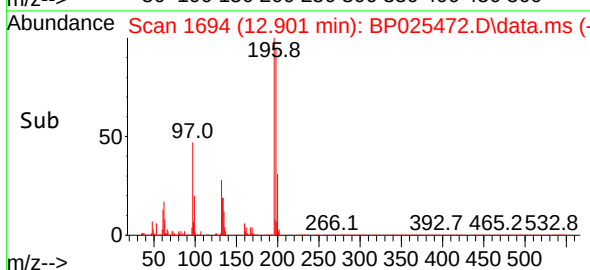
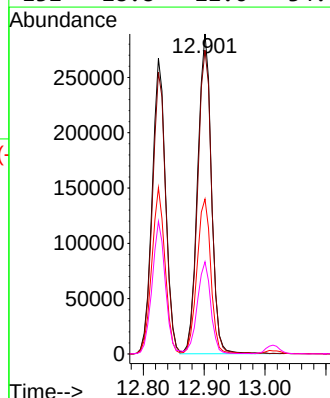
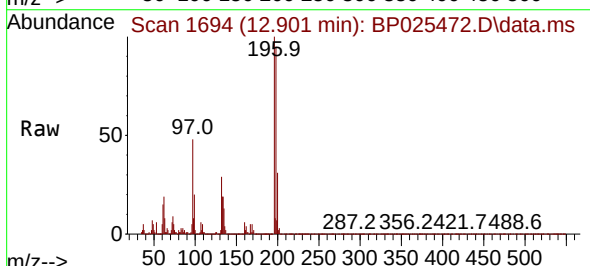
Ion Ratio Lower Upper

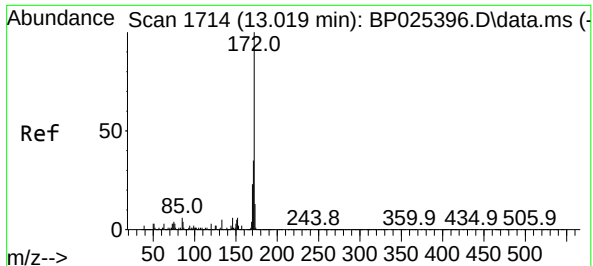
196 100

198 94.9 76.2 114.2

97 48.4 41.2 61.8

132 28.8 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 81.083 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:172 Resp: 2467804

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

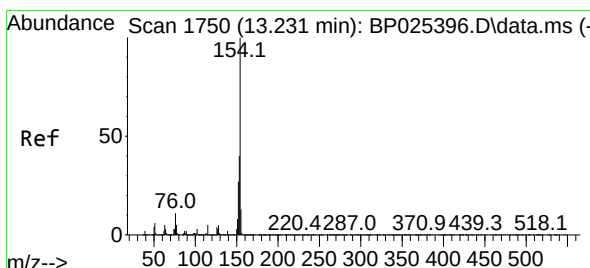
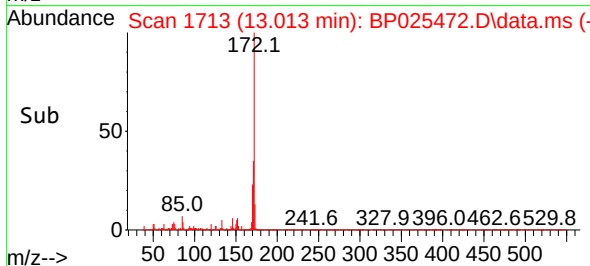
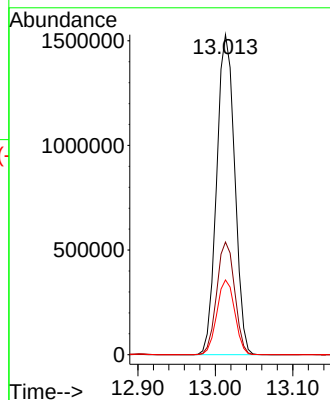
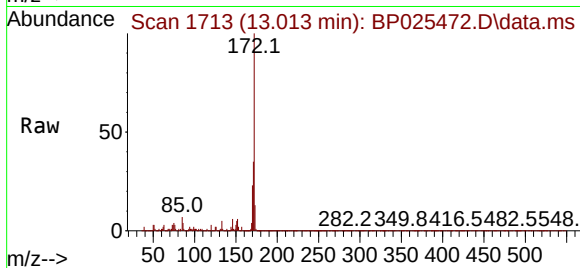
170 23.3 18.6 28.0

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#46

1,1'-Biphenyl

Concen: 46.746 ng

RT: 13.231 min Scan# 1750

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

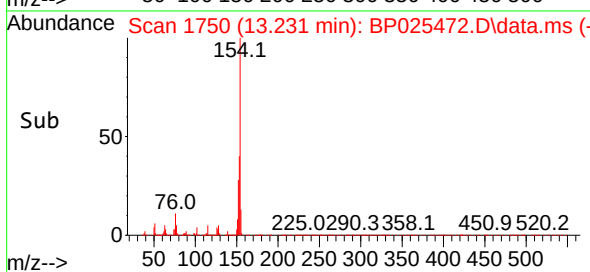
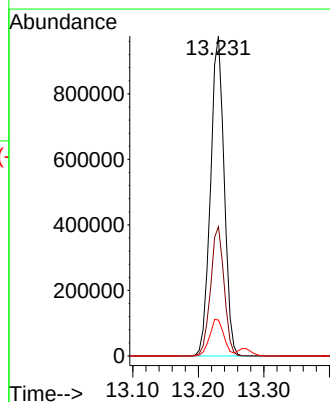
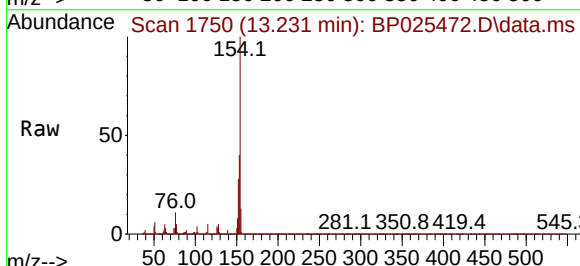
Tgt Ion:154 Resp: 1412174

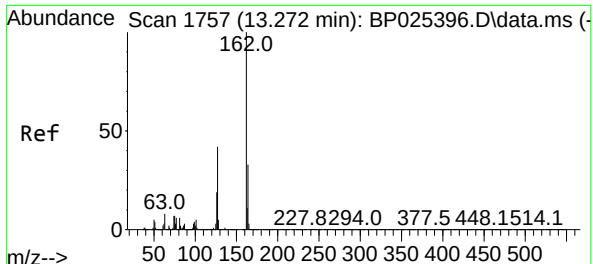
Ion Ratio Lower Upper

154 100

153 40.4 19.5 59.5

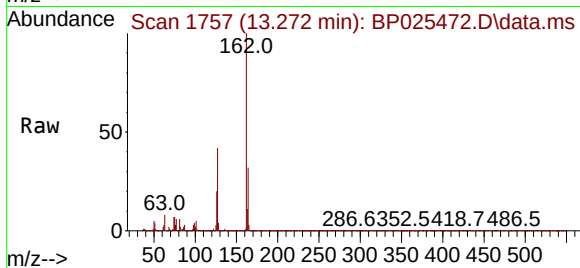
76 11.3 0.0 31.1





#47
2-Chloronaphthalene
Concen: 46.557 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

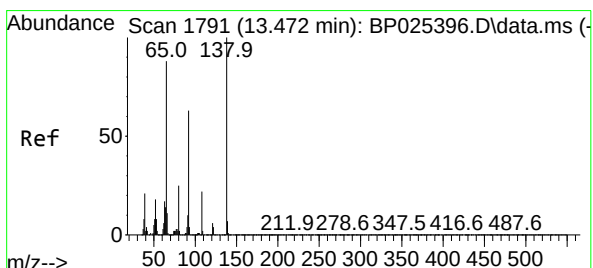
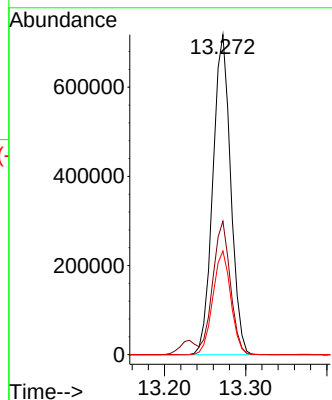
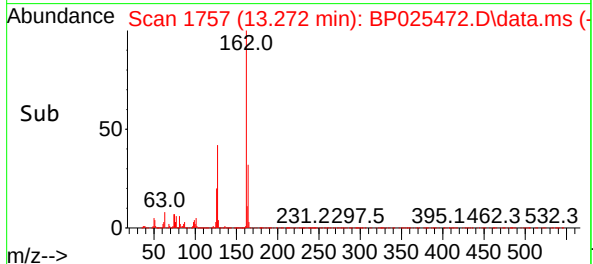
Instrument :
BNA_P
ClientSampleId :
PB169244BS



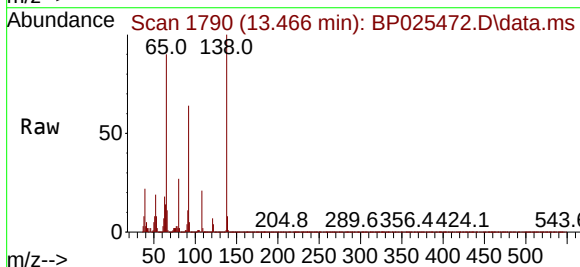
Tgt Ion:162 Resp: 1094908
Ion Ratio Lower Upper
162 100
127 41.7 33.4 50.2
164 32.4 26.2 39.2

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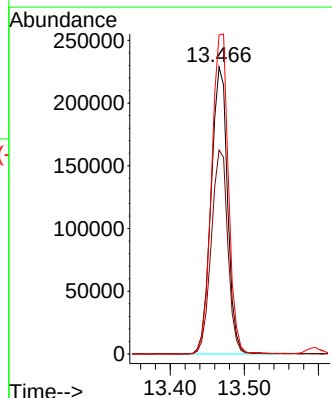
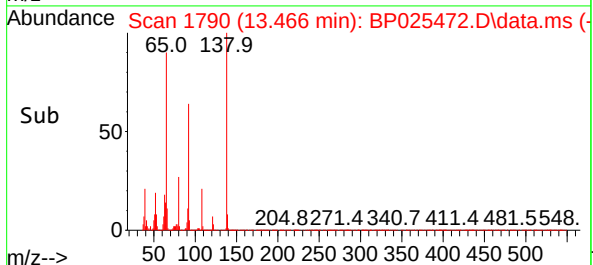
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

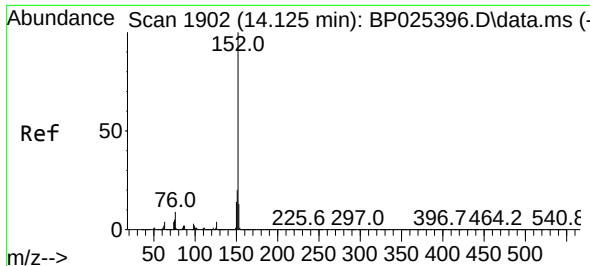


#48
2-Nitroaniline
Concen: 51.571 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



Tgt Ion: 65 Resp: 353391
Ion Ratio Lower Upper
65 100
92 71.0 57.6 86.4
138 111.2 91.0 136.6





#49

Acenaphthylene

Concen: 48.171 ng

RT: 14.119 min Scan# 1902

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:152 Resp: 187457

Ion Ratio Lower Upper

152 100

151 19.7 16.0 24.0

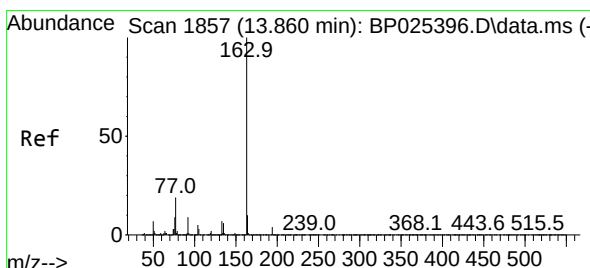
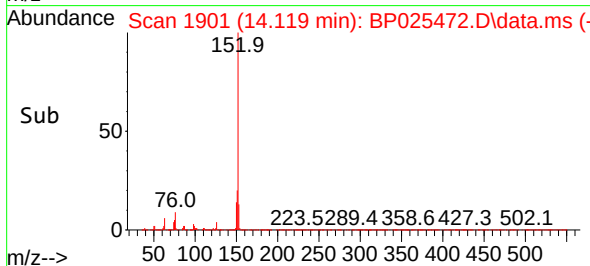
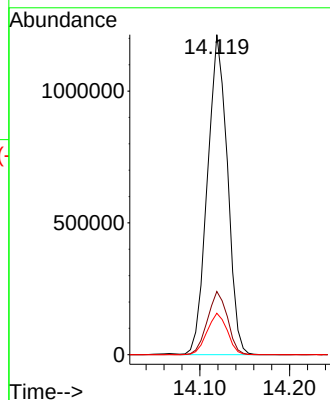
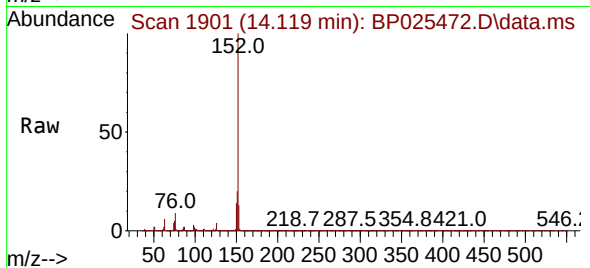
153 13.0 10.6 15.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#50

Dimethylphthalate

Concen: 48.478 ng

RT: 13.860 min Scan# 1857

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

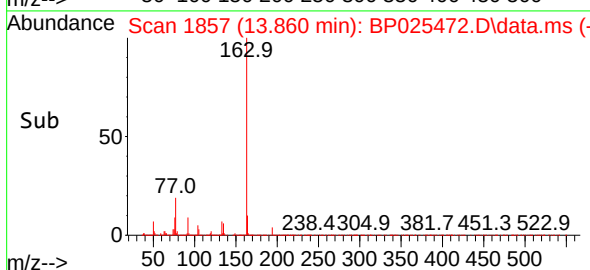
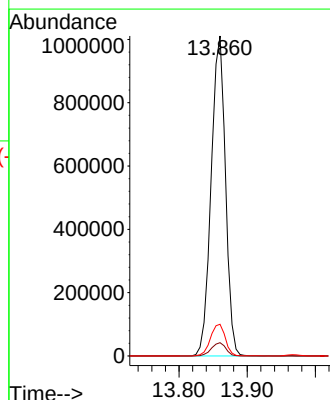
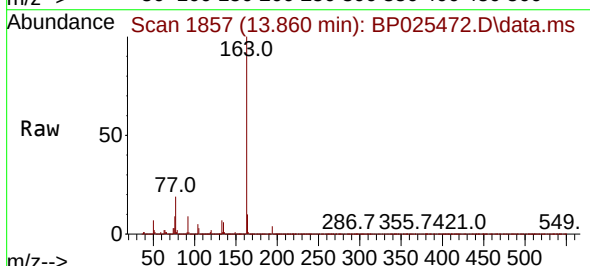
Tgt Ion:163 Resp: 1476660

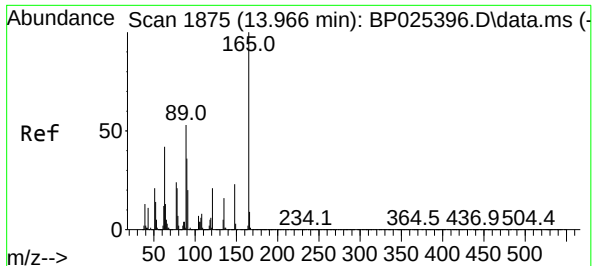
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

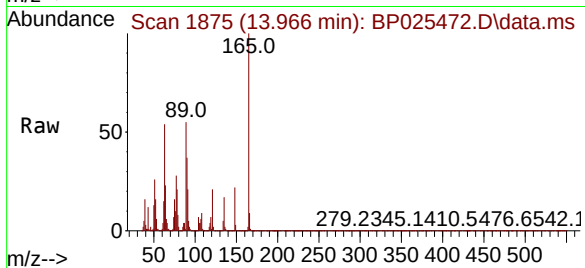
164 9.9 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 49.910 ng
RT: 13.966 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

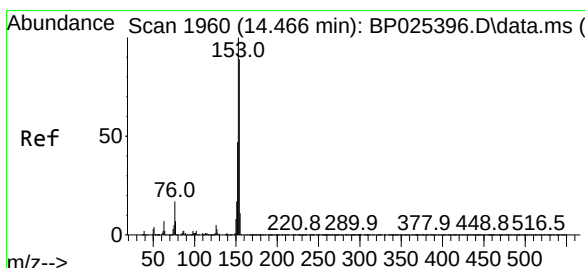
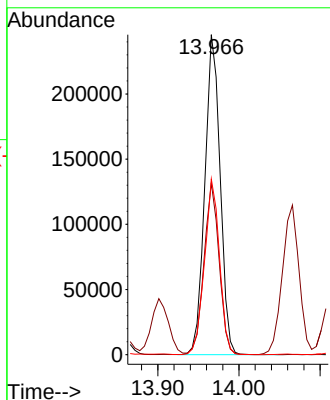
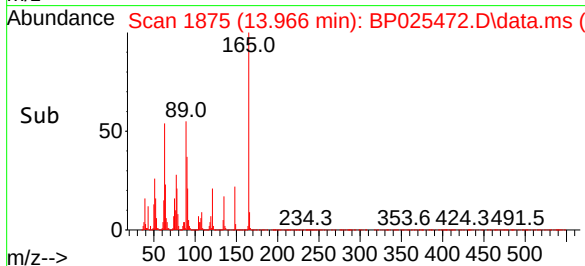
Instrument :
BNA_P
ClientSampleId :
PB169244BS



Tgt Ion:165 Resp: 320420
Ion Ratio Lower Upper
165 100
63 53.6 40.9 61.3
89 54.9 42.1 63.1

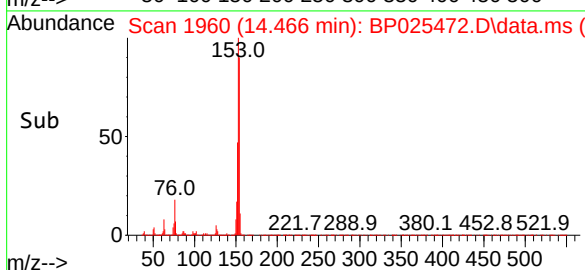
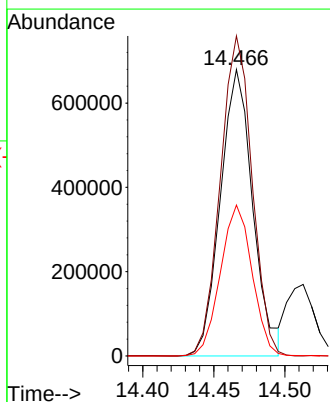
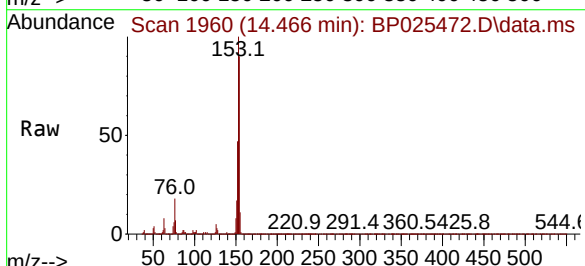
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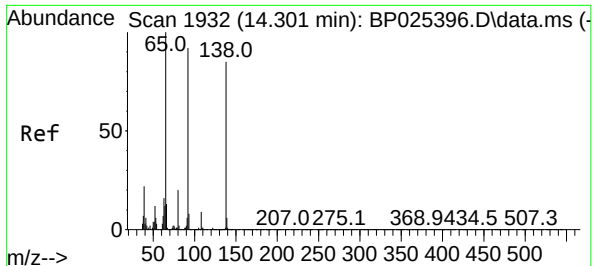
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#52
Acenaphthene
Concen: 47.143 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

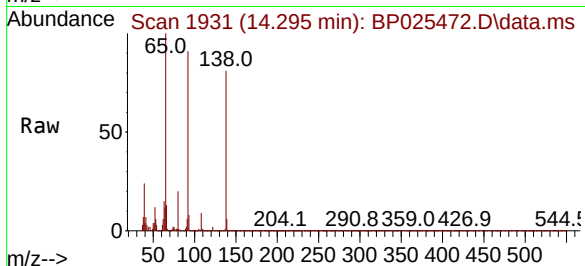
Tgt Ion:154 Resp: 1076858
Ion Ratio Lower Upper
154 100
153 111.7 90.2 135.2
152 52.7 42.1 63.1





#53
3-Nitroaniline
Concen: 35.296 ng
RT: 14.295 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

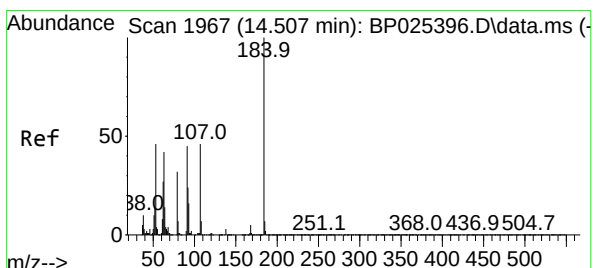
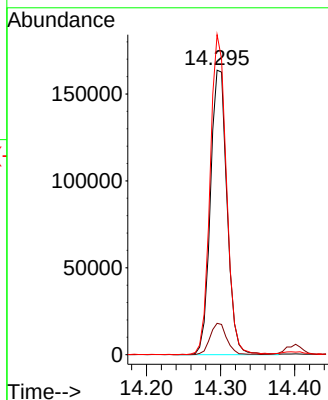
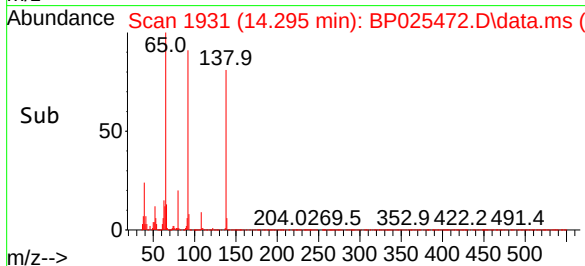
Instrument :
BNA_P
ClientSampleId :
PB169244BS



Tgt Ion:138 Resp: 25495
Ion Ratio Lower Upper
138 100
108 11.0 8.3 12.5
92 112.5 86.2 129.2

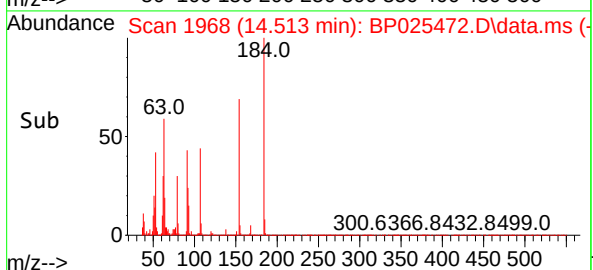
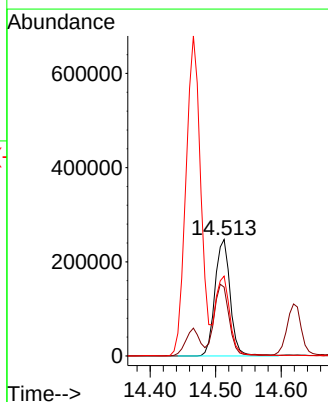
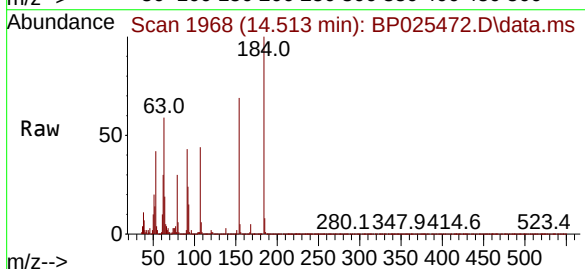
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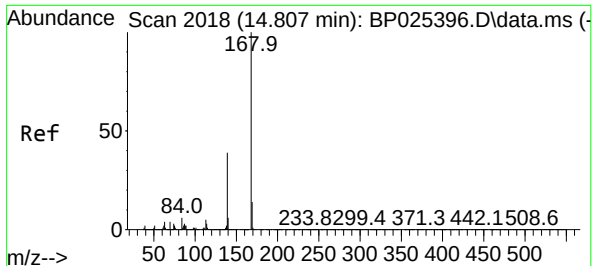
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#54
2,4-Dinitrophenol
Concen: 115.970 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:184 Resp: 397607
Ion Ratio Lower Upper
184 100
63 59.0 49.4 74.2
154 68.5 54.6 82.0





#55

Dibenzenofuran

Concen: 47.161 ng

RT: 14.801 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:168 Resp: 1703170

Ion Ratio Lower Upper

168 100

139 39.7 31.5 47.3

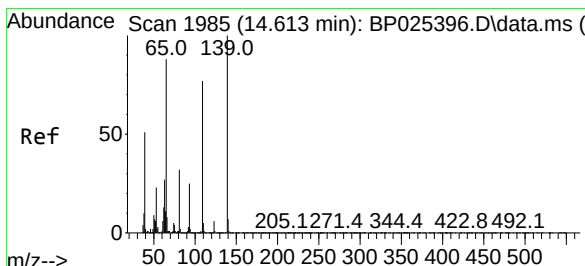
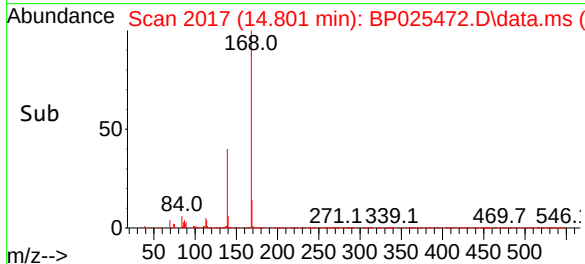
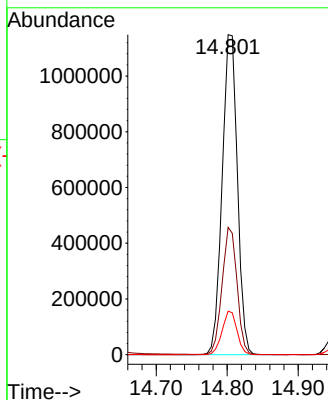
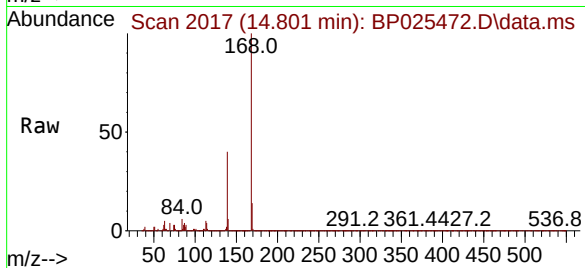
169 13.6 10.9 16.3

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#56

4-Nitrophenol

Concen: 101.946 ng

RT: 14.625 min Scan# 1987

Delta R.T. 0.012 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

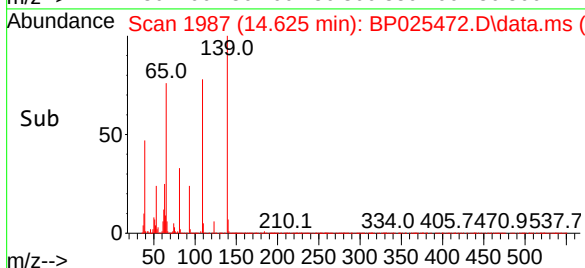
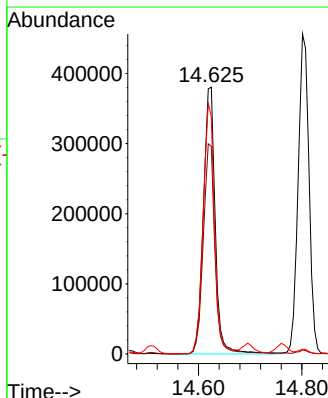
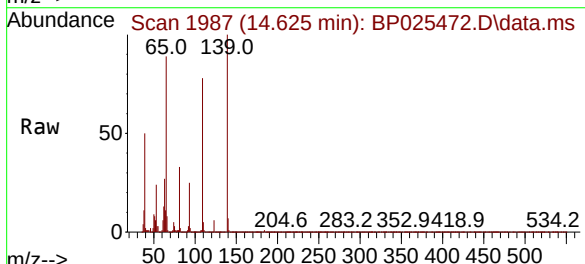
Tgt Ion:139 Resp: 605113

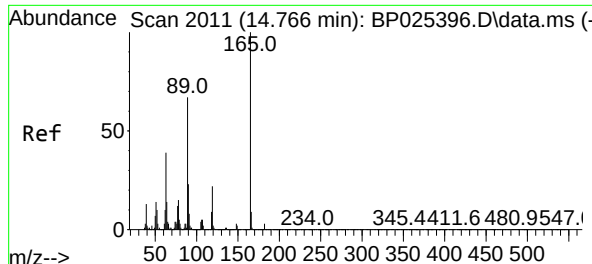
Ion Ratio Lower Upper

139 100

109 77.8 56.6 96.6

65 89.0 68.2 108.2





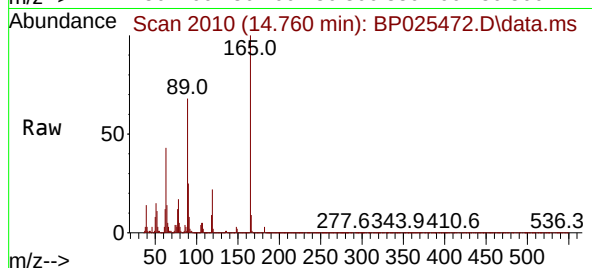
#57
2,4-Dinitrotoluene
Concen: 51.727 ng
RT: 14.760 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

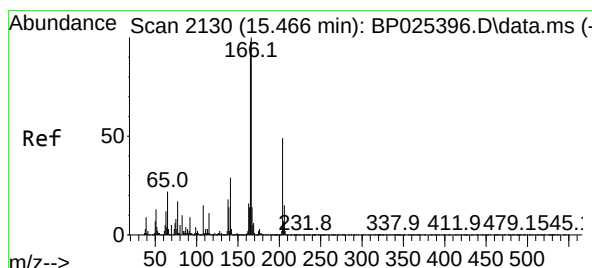
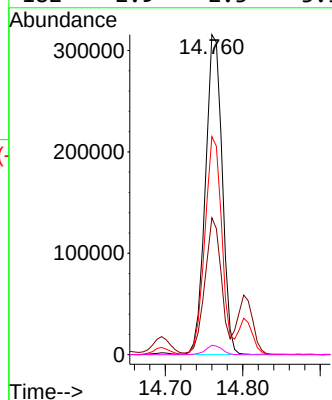
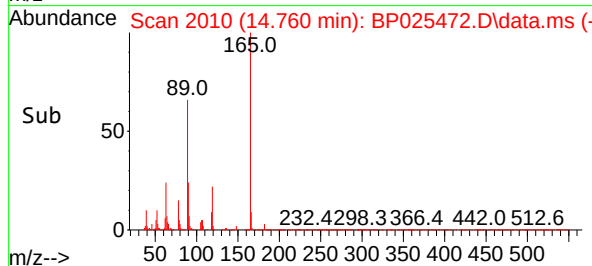
PB169244BS



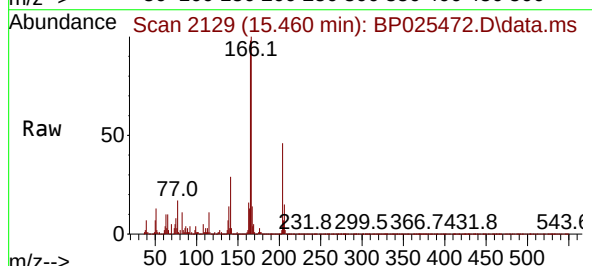
Tgt Ion:165 Resp: 473810
Ion Ratio Lower Upper
165 100
63 42.7 31.4 47.2
89 68.2 53.3 79.9
182 2.9 2.3 3.5

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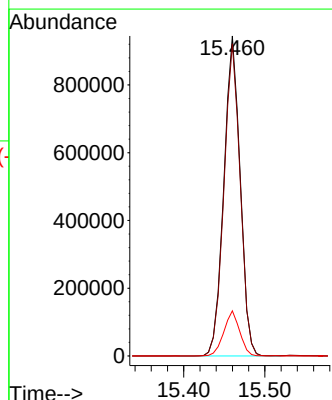
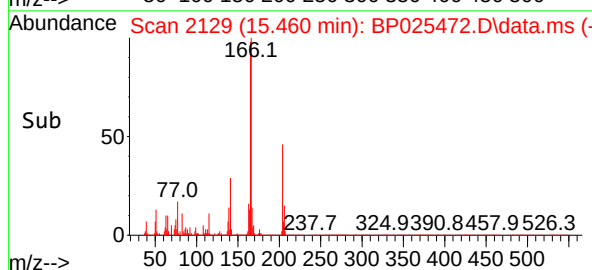
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

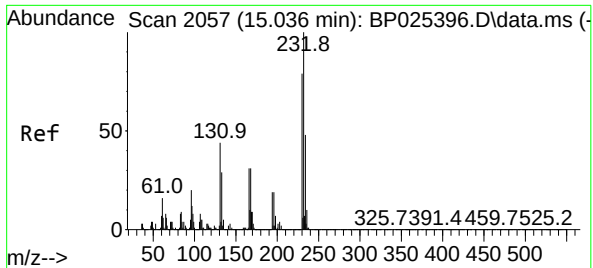


#58
Fluorene
Concen: 46.400 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



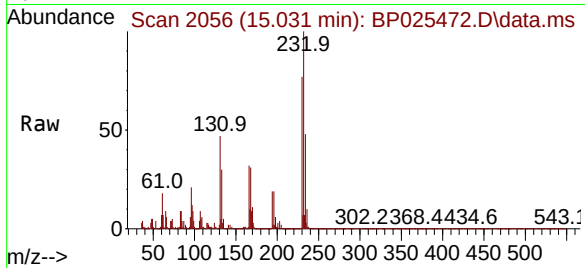
Tgt Ion:166 Resp: 1322243
Ion Ratio Lower Upper
166 100
165 97.5 78.8 118.2
167 14.1 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.551 ng
RT: 15.031 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

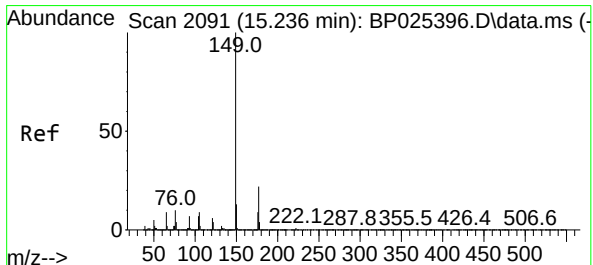
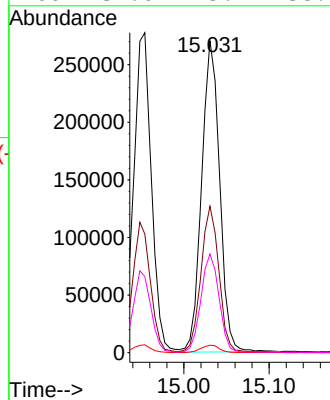
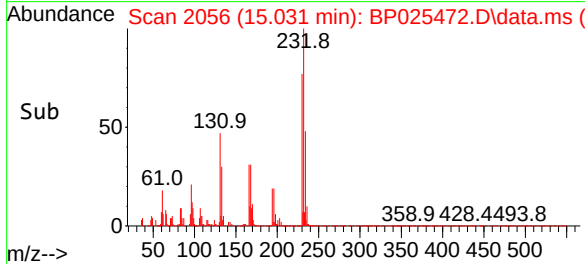
Instrument :
BNA_P
ClientSampleId :
PB169244BS



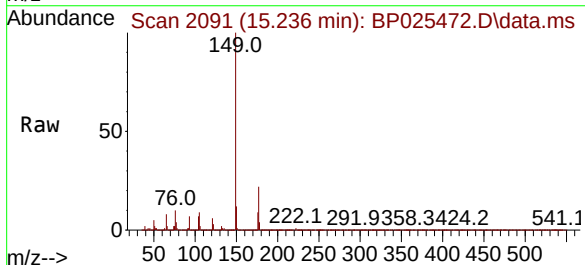
Tgt Ion:232 Resp: 39675
Ion Ratio Lower Upper
232 100
131 46.9 37.0 55.6
130 2.5 1.9 2.9
166 31.6 25.4 38.0

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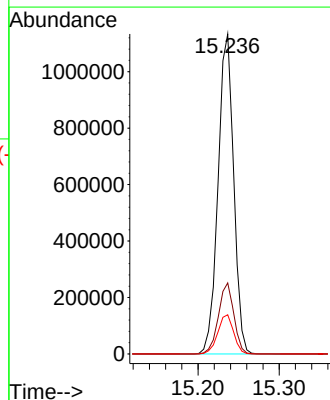
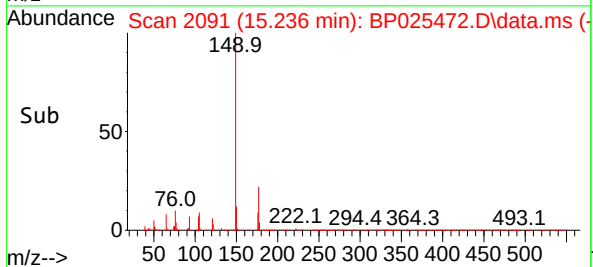
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

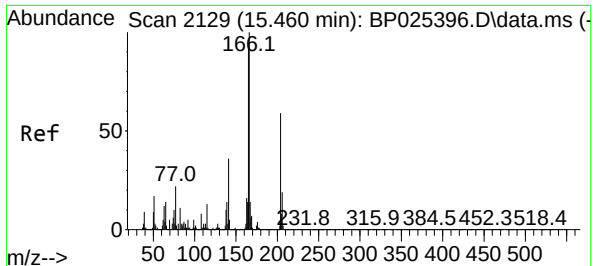


#60
Diethylphthalate
Concen: 49.036 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



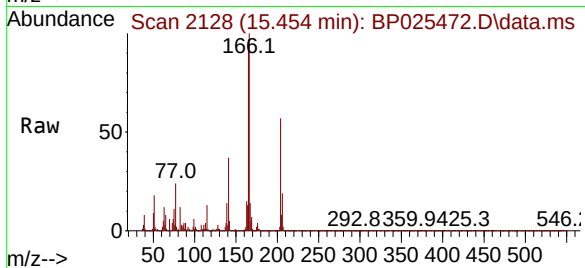
Tgt Ion:149 Resp: 1517718
Ion Ratio Lower Upper
149 100
177 22.2 17.3 25.9
150 12.3 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 46.664 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

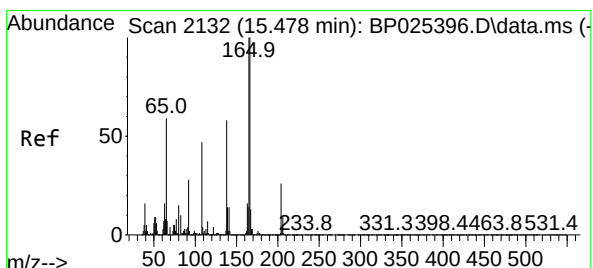
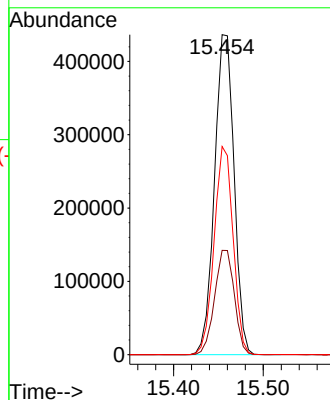
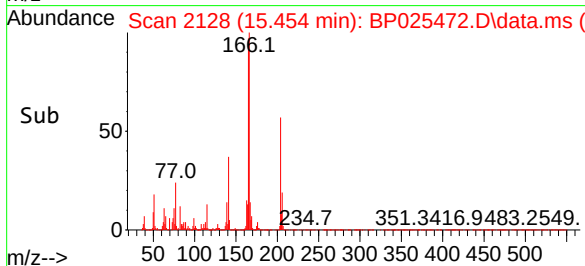
Instrument :
BNA_P
ClientSampleId :
PB169244BS



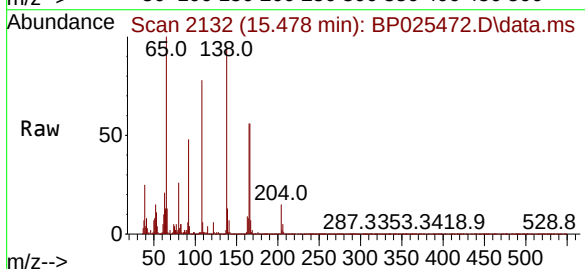
Tgt Ion: 204 Resp: 661344
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.8
141 65.0 49.4 74.2

Manual Integrations
APPROVED

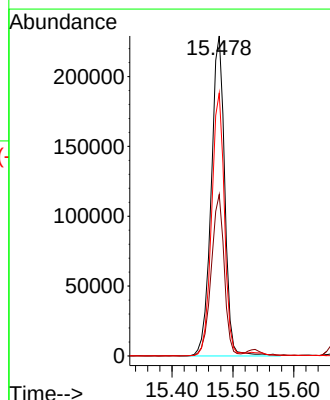
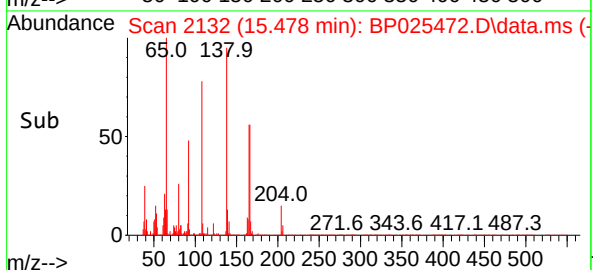
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

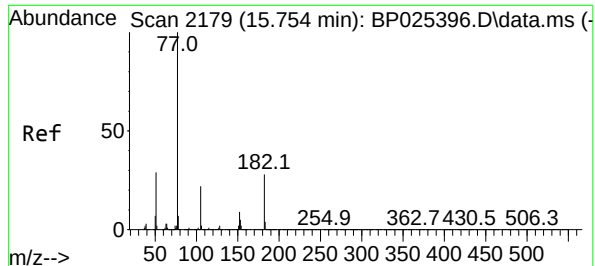


#62
4-Nitroaniline
Concen: 47.791 ng
RT: 15.478 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



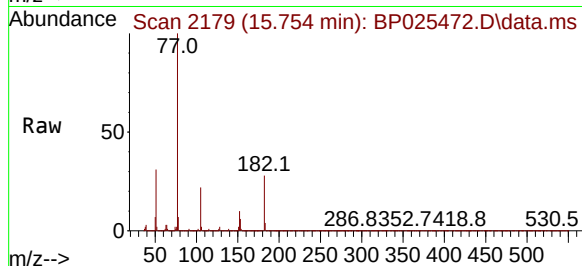
Tgt Ion: 138 Resp: 353899
Ion Ratio Lower Upper
138 100
92 50.5 29.1 69.1
108 82.2 61.5 101.5





#63
Azobenzene
Concen: 49.891 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

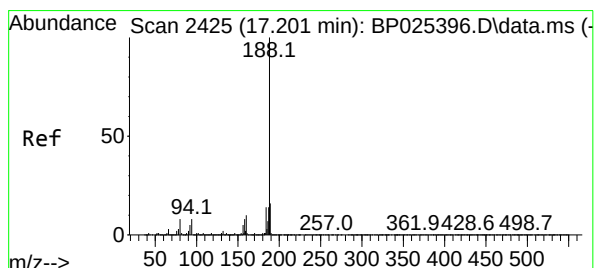
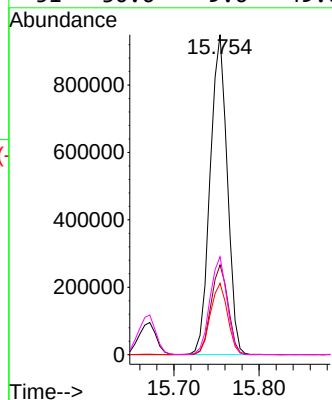
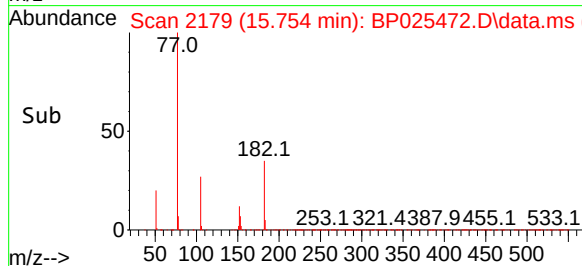
Instrument :
BNA_P
ClientSampleId :
PB169244BS



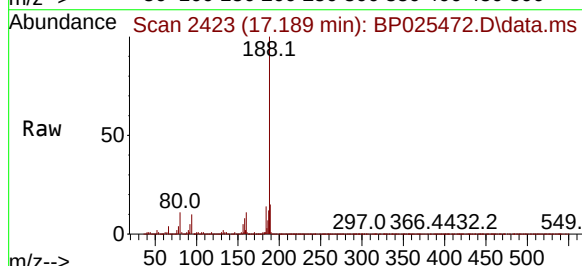
Tgt Ion: 77 Resp: 132221
Ion Ratio Lower Upper
77 100
182 28.1 7.5 47.5
105 22.3 2.1 42.1
51 30.6 9.6 49.6

Manual Integrations
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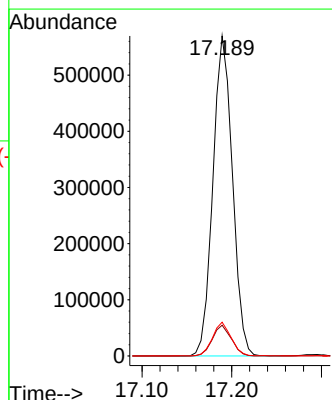
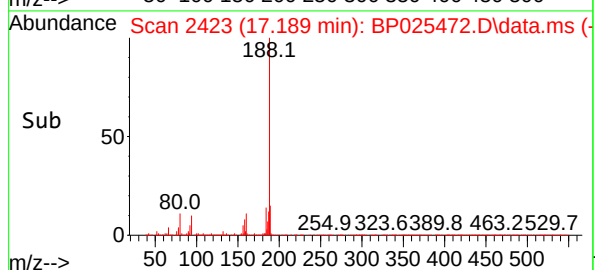
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

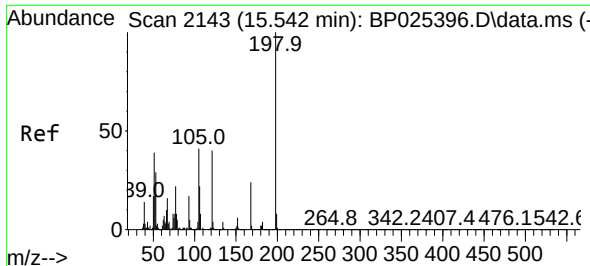


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



Tgt Ion:188 Resp: 862003
Ion Ratio Lower Upper
188 100
94 9.6 6.6 10.0
80 10.5 6.7 10.1#





#65

4,6-Dinitro-2-methylphenol

Concen: 50.800 ng

RT: 15.536 min Scan# 2142

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:198 Resp: 272964

Ion Ratio Lower Upper

198 100

51 41.2 19.6 59.6

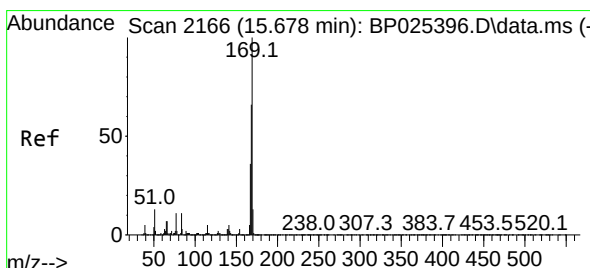
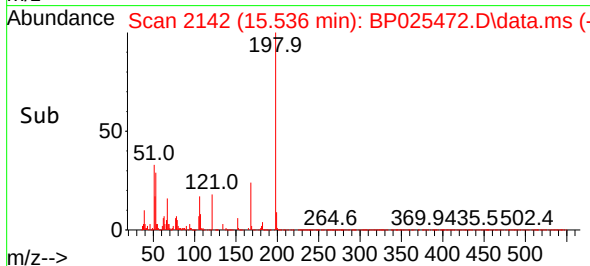
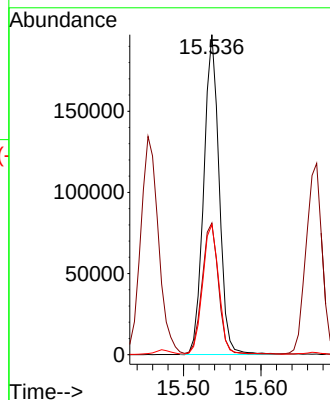
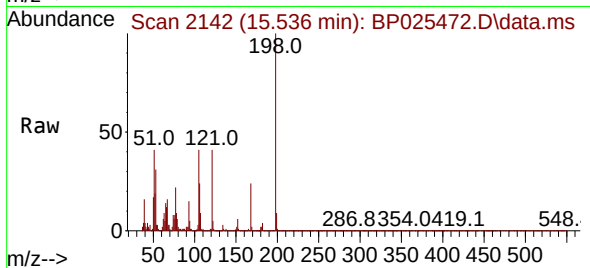
105 40.6 20.9 60.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#66

n-Nitrosodiphenylamine

Concen: 47.419 ng

RT: 15.672 min Scan# 2165

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

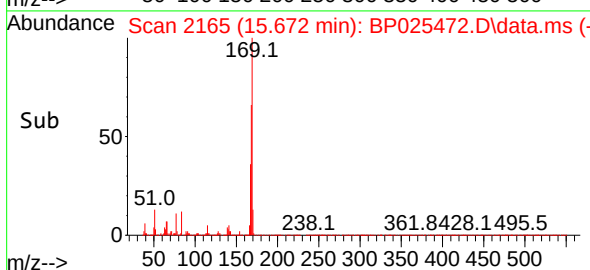
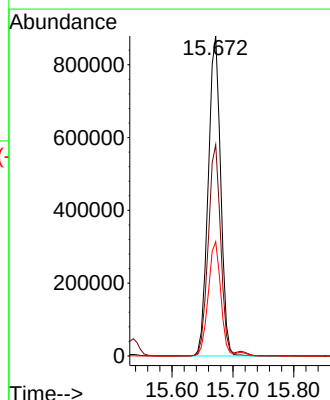
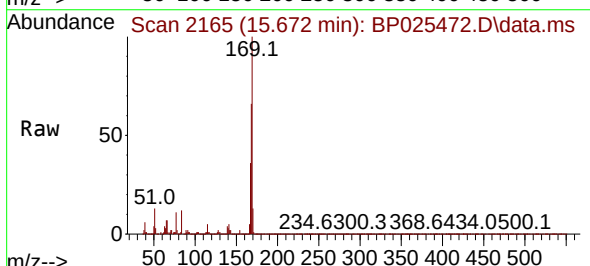
Tgt Ion:169 Resp: 1246458

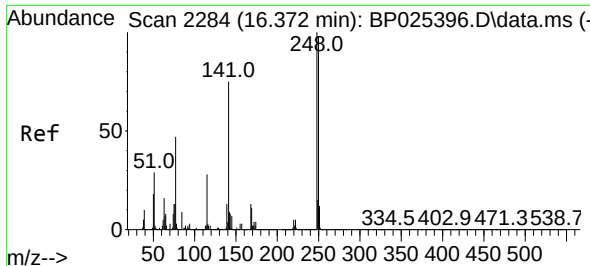
Ion Ratio Lower Upper

169 100

168 66.0 53.2 79.8

167 35.7 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 47.618 ng
RT: 16.360 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

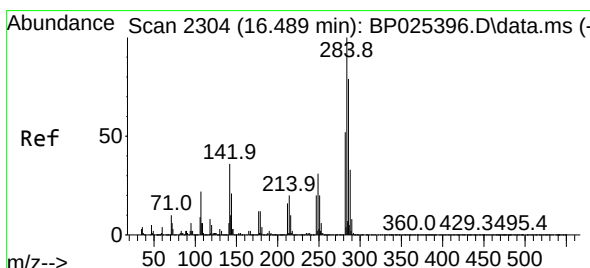
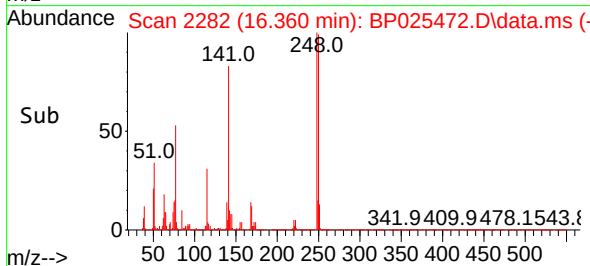
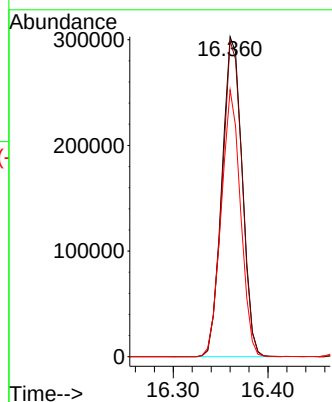
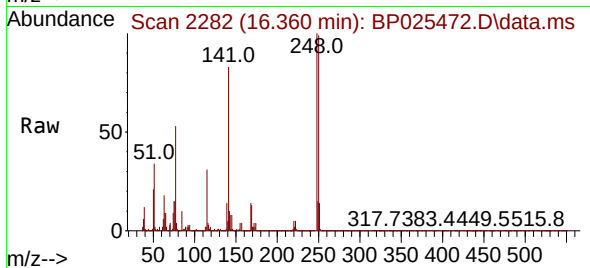
ClientSampleId :

PB169244BS

Tgt Ion:248 Resp: 45143
Ion Ratio Lower Upper
248 100
250 98.8 78.2 117.2
141 83.4 59.6 89.4

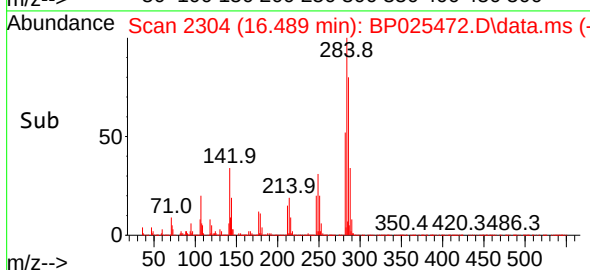
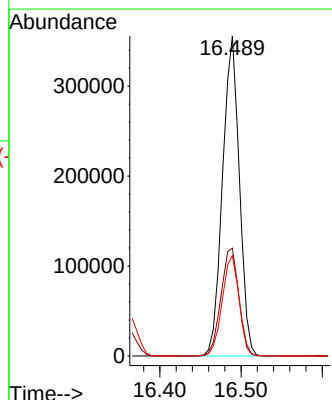
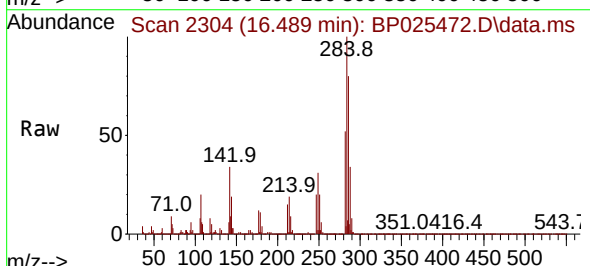
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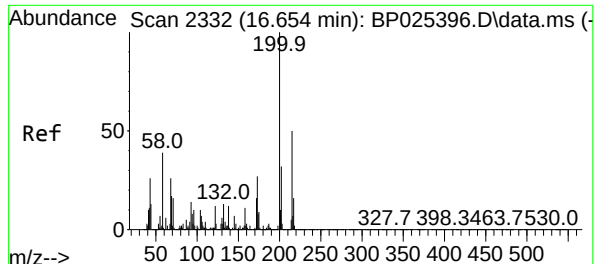
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#68
Hexachlorobenzene
Concen: 46.604 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:284 Resp: 512163
Ion Ratio Lower Upper
284 100
142 33.7 29.1 43.7
249 31.3 25.0 37.4





#69

Atrazine

Concen: 47.838 ng

RT: 16.642 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:200 Resp: 47092

Ion Ratio Lower Upper

200 100

173 25.6 6.7 46.7

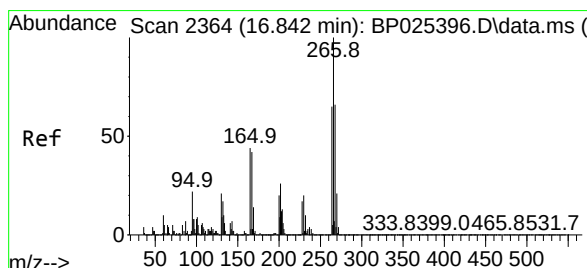
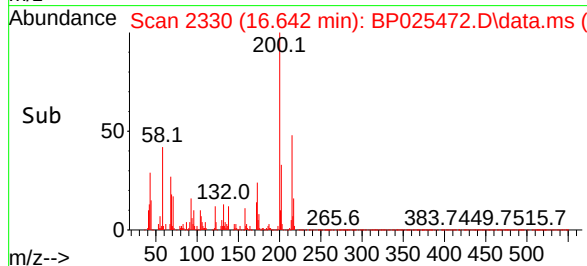
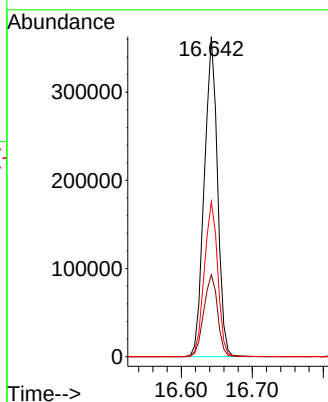
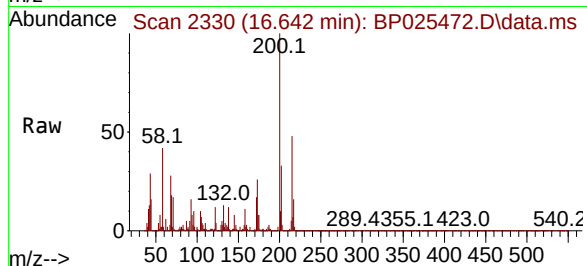
215 48.4 29.7 69.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#70

Pentachlorophenol

Concen: 99.034 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

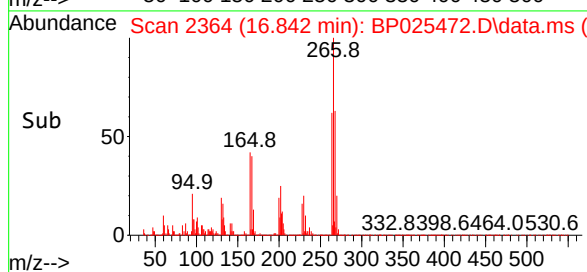
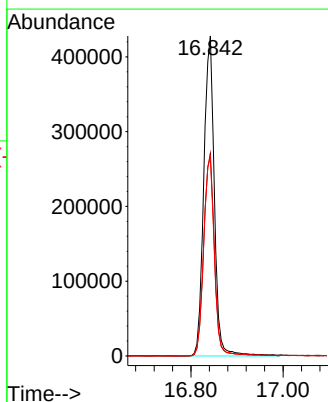
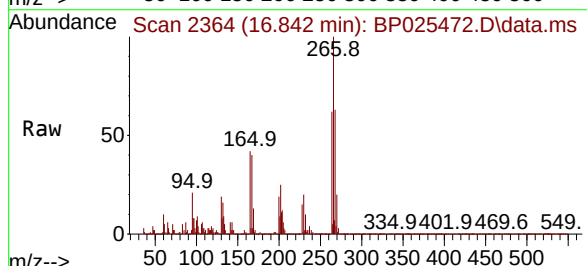
Tgt Ion:266 Resp: 687032

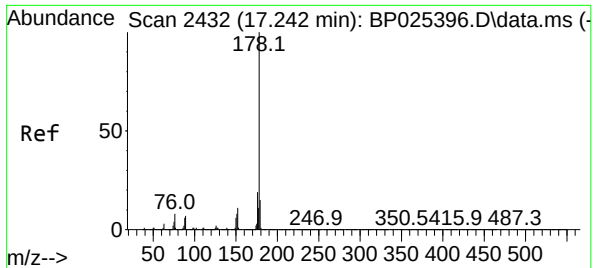
Ion Ratio Lower Upper

266 100

268 63.2 52.6 79.0

264 62.2 52.0 78.0





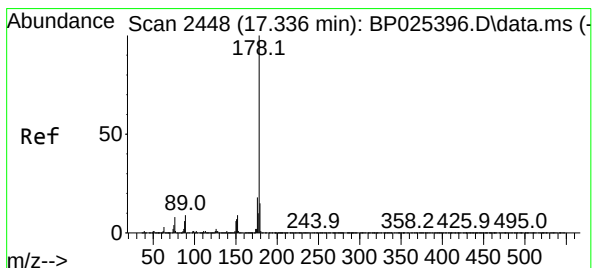
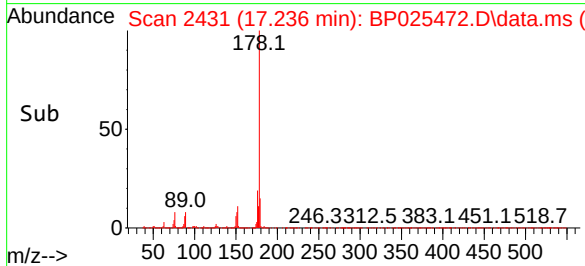
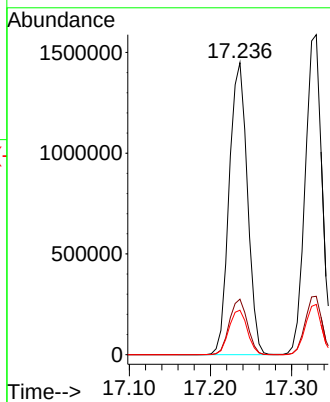
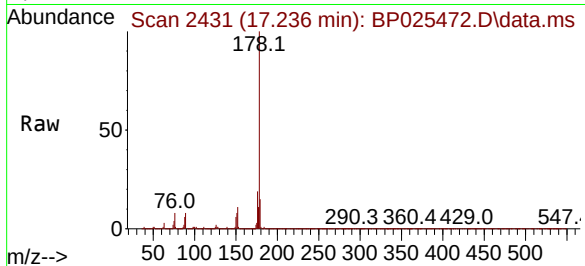
#71
Phenanthrene
Concen: 47.585 ng
RT: 17.236 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Instrument :
BNA_P
ClientSampleId :
PB169244BS

Tgt Ion:178 Resp: 225329
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.2 12.2 18.4

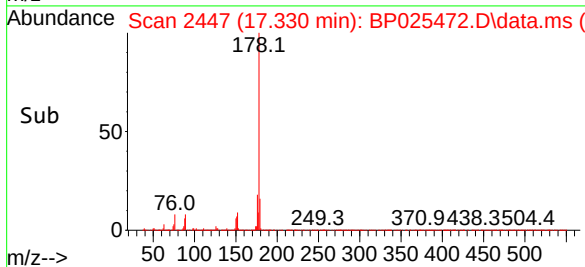
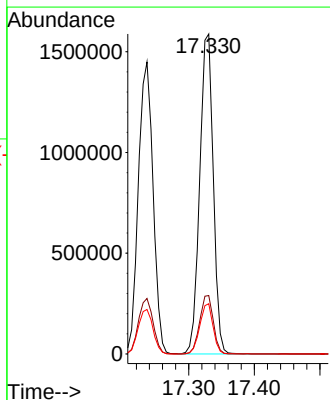
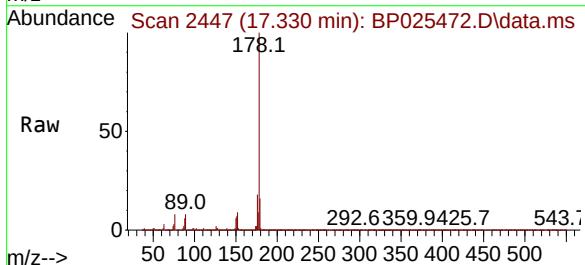
Manual Integrations
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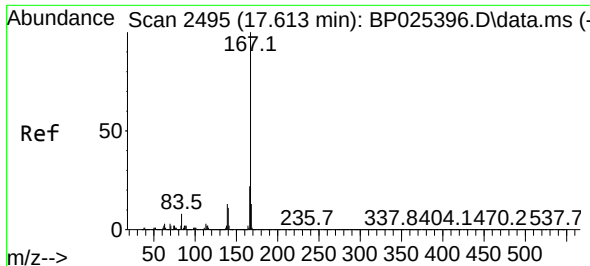
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#72
Anthracene
Concen: 47.239 ng
RT: 17.330 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

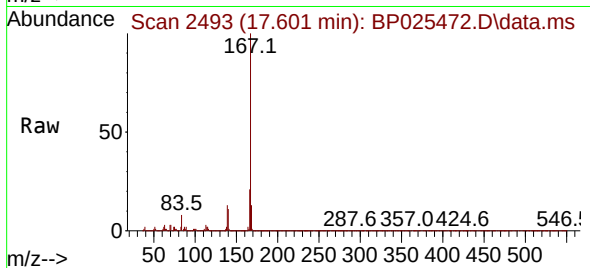
Tgt Ion:178 Resp: 2284335
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.7 12.2 18.2





#73
 Carbazole
 Concen: 47.324 ng
 RT: 17.601 min Scan# 2493
 Delta R.T. -0.012 min
 Lab File: BP025472.D
 Acq: 19 Aug 2025 12:06

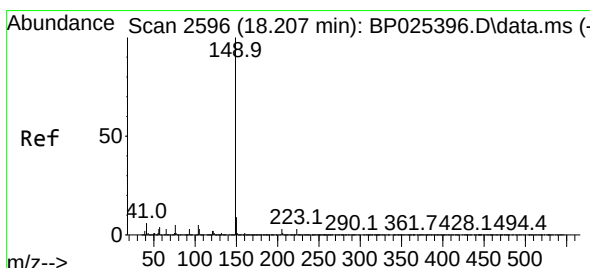
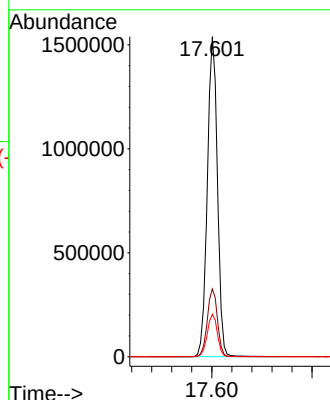
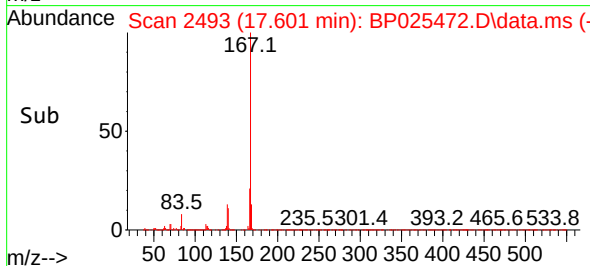
Instrument :
 BNA_P
 ClientSampleId :
 PB169244BS



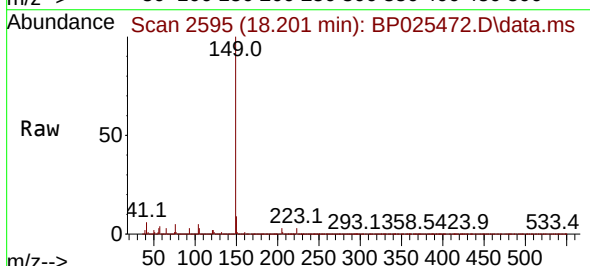
Tgt Ion:167 Resp: 2155490
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.5 26.3
 139 13.2 10.6 16.0

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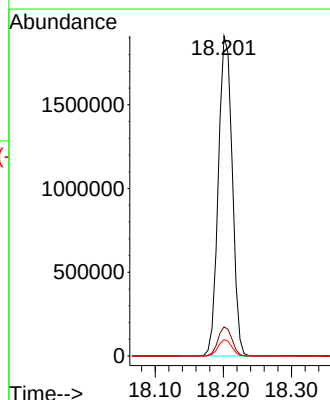
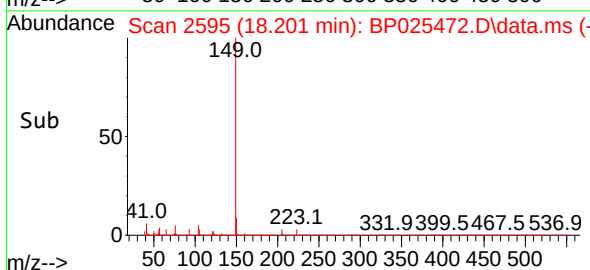
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

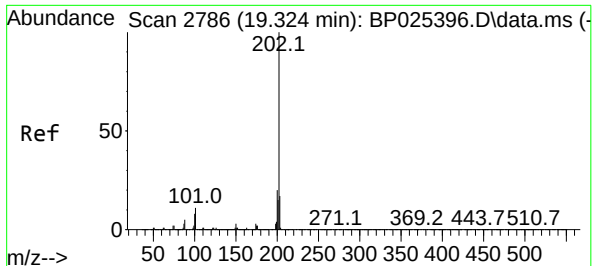


#74
 Di-n-butylphthalate
 Concen: 48.416 ng
 RT: 18.201 min Scan# 2595
 Delta R.T. -0.006 min
 Lab File: BP025472.D
 Acq: 19 Aug 2025 12:06



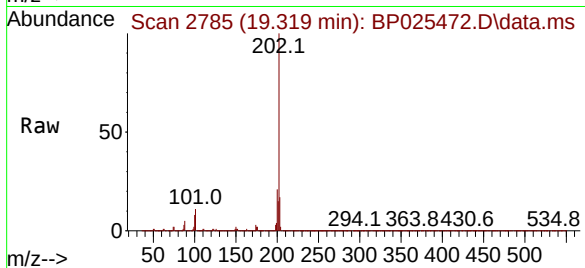
Tgt Ion:149 Resp: 2713180
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 47.361 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

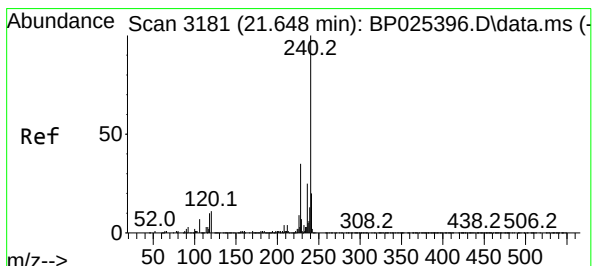
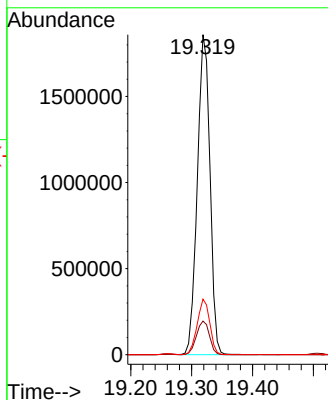
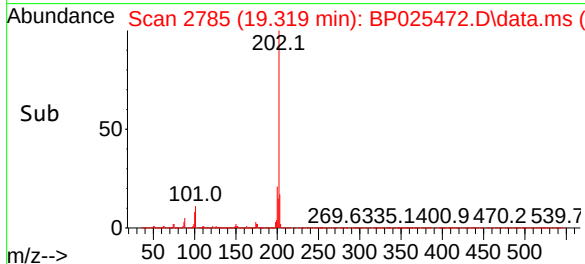
Instrument :
BNA_P
ClientSampleId :
PB169244BS



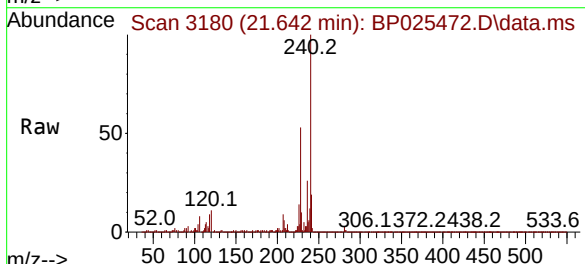
Tgt Ion:202 Resp: 267512
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.1
203 17.4 0.0 37.3

Manual Integrations
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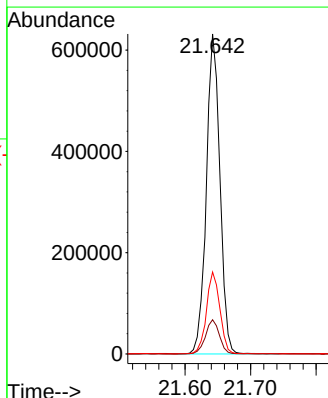
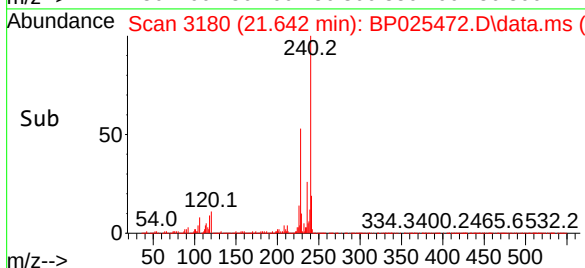
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

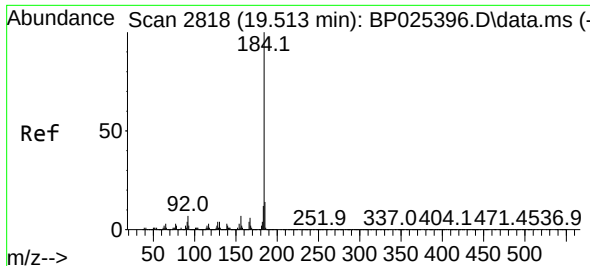


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



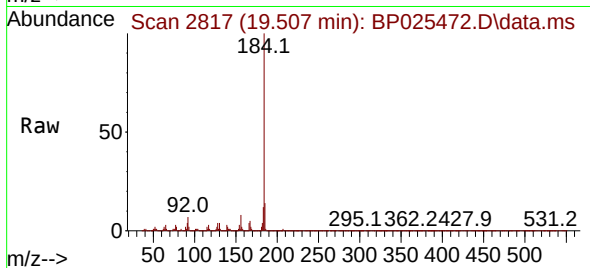
Tgt Ion:240 Resp: 910554
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.6 19.8 29.8





#77
Benzidine
Concen: 45.479 ng
RT: 19.507 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

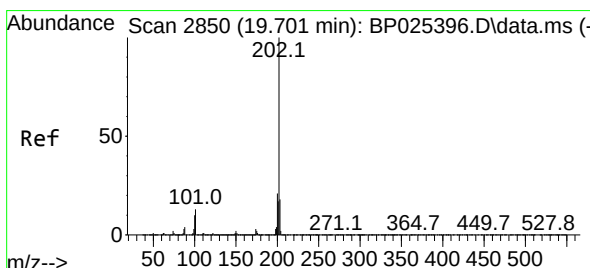
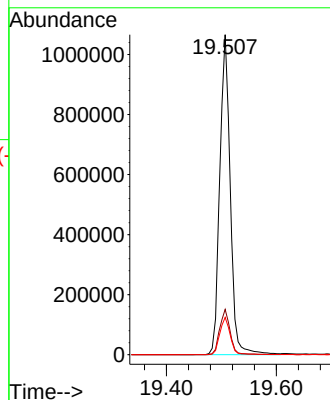
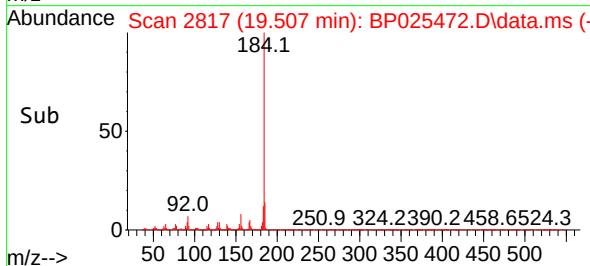
Instrument :
BNA_P
ClientSampleId :
PB169244BS



Tgt Ion:184 Resp: 1413258
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 11.7 9.4 14.2

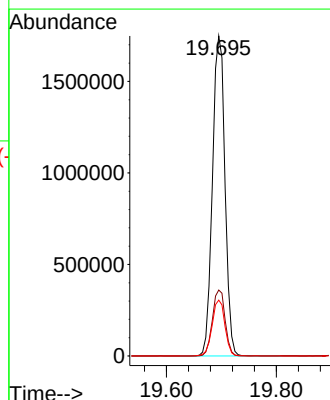
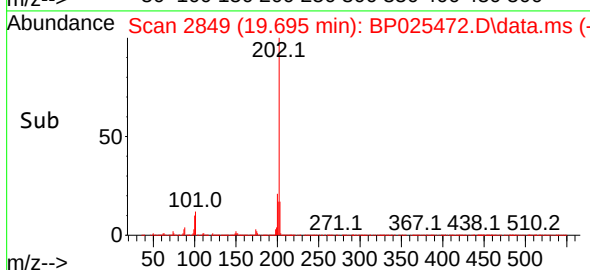
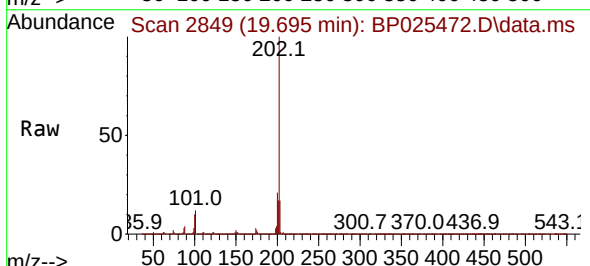
Manual Integrations
APPROVED

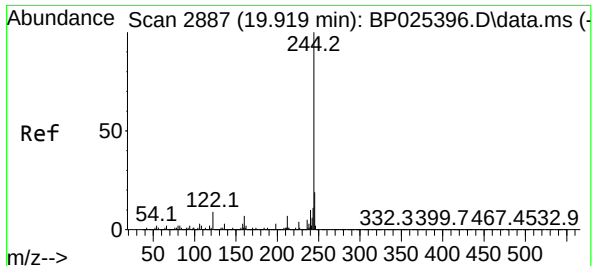
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#78
Pyrene
Concen: 46.671 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

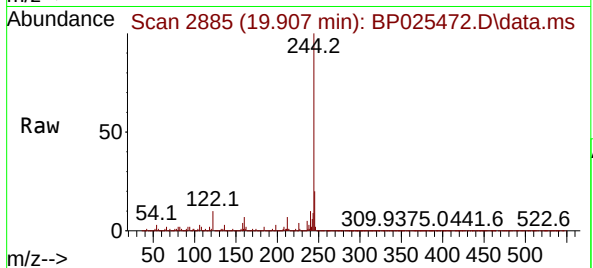
Tgt Ion:202 Resp: 2762164
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 17.4 14.2 21.2





#79
Terphenyl-d14
Concen: 81.923 ng
RT: 19.907 min Scan# 2885
Delta R.T. -0.012 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

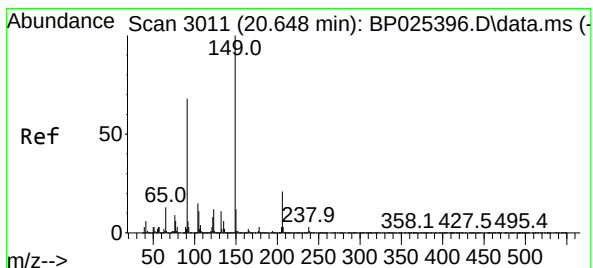
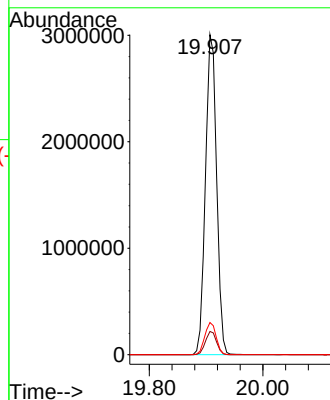
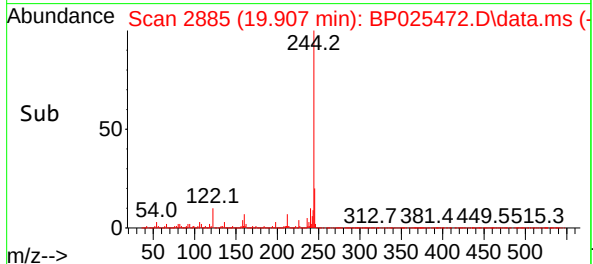
Instrument :
BNA_P
ClientSampleId :
PB169244BS



Tgt Ion:244 Resp: 4077204
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 10.1 7.4 11.2

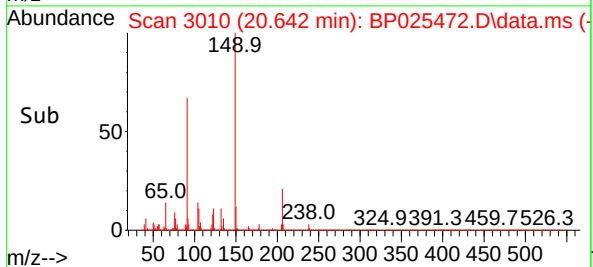
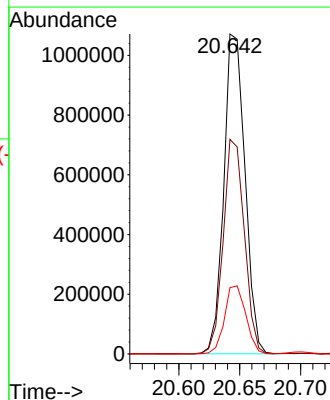
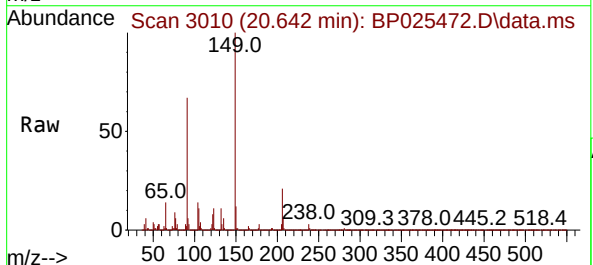
Manual Integrations
APPROVED

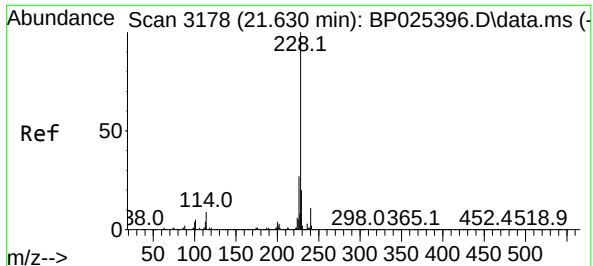
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#80
Butylbenzylphthalate
Concen: 48.400 ng
RT: 20.642 min Scan# 3010
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

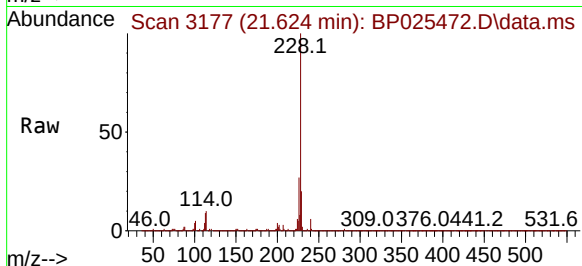
Tgt Ion:149 Resp: 1298221
Ion Ratio Lower Upper
149 100
91 67.1 54.2 81.2
206 20.7 16.6 24.8





#81
Benzo(a)anthracene
Concen: 47.200 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

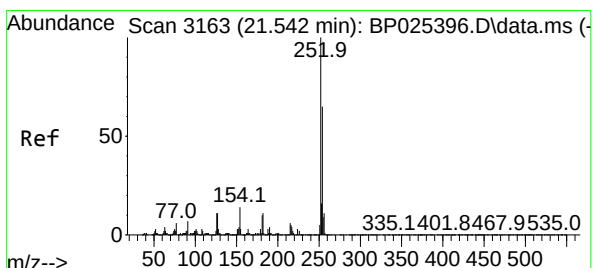
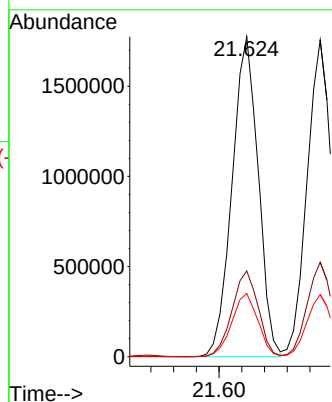
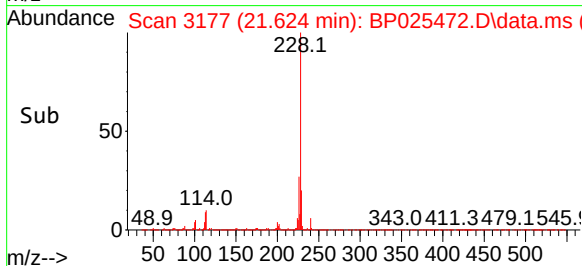
Instrument :
BNA_P
ClientSampleId :
PB169244BS



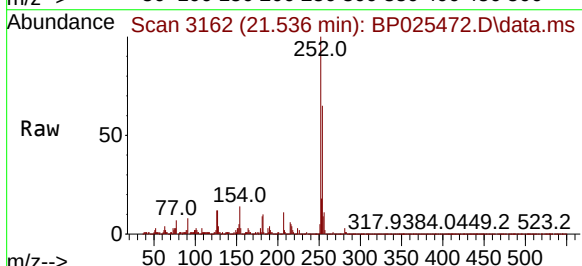
Tgt Ion:228 Resp: 283441
Ion Ratio Lower Upper
228 100
226 26.8 21.7 32.5
229 19.8 15.6 23.4

Manual Integrations
APPROVED

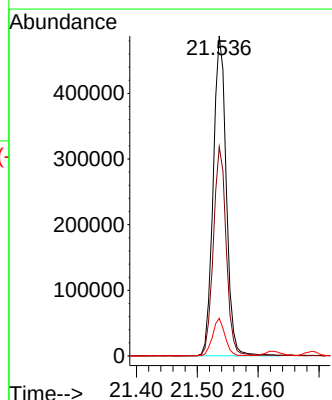
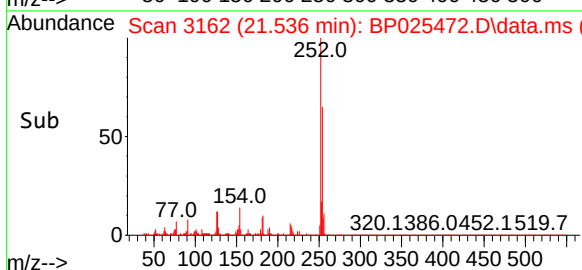
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

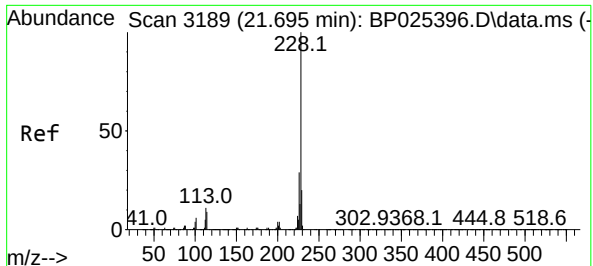


#82
3,3'-Dichlorobenzidine
Concen: 32.152 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



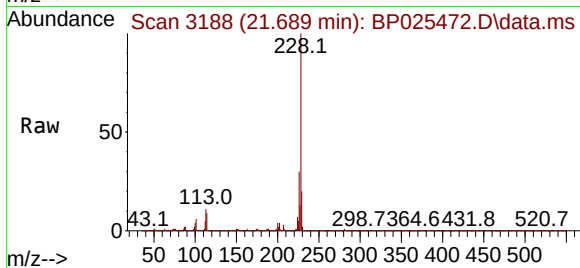
Tgt Ion:252 Resp: 727758
Ion Ratio Lower Upper
252 100
254 65.3 51.8 77.6
126 11.8 9.1 13.7





#83
Chrysene
Concen: 47.032 ng
RT: 21.689 min Scan# 3188
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

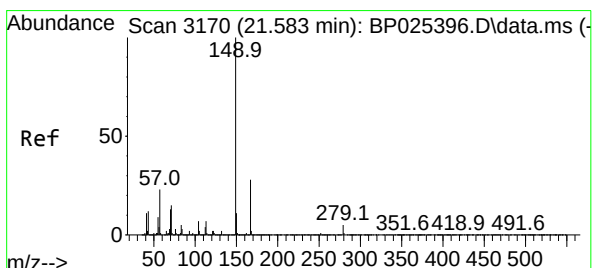
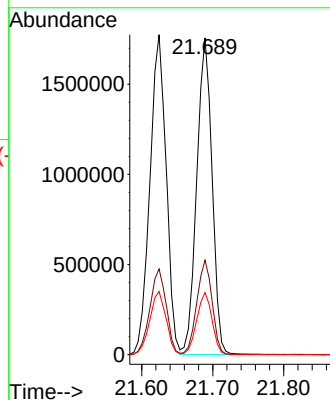
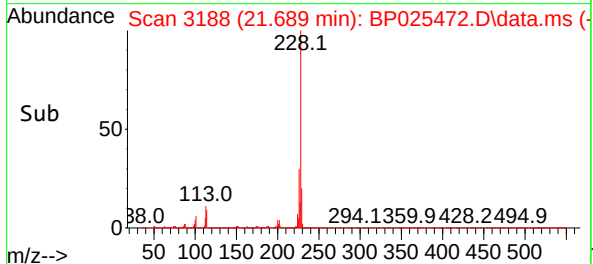
Instrument :
BNA_P
ClientSampleId :
PB169244BS



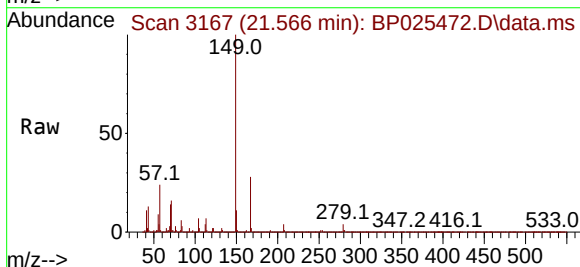
Tgt Ion:228 Resp: 264496
Ion Ratio Lower Upper
228 100
226 29.9 23.2 34.8
229 19.6 15.6 23.4

Manual Integrations
APPROVED

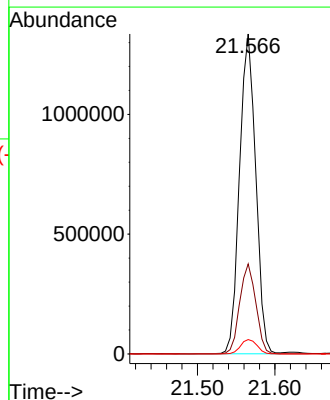
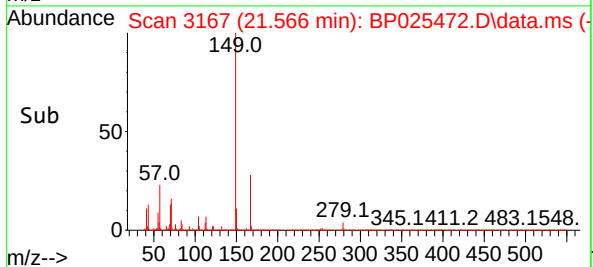
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

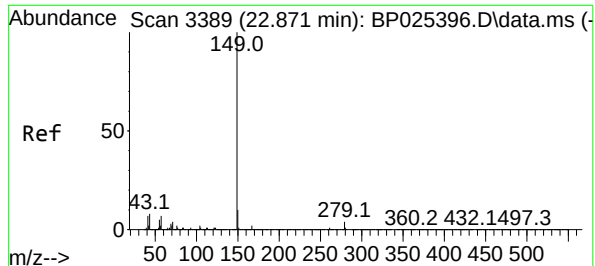


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.043 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



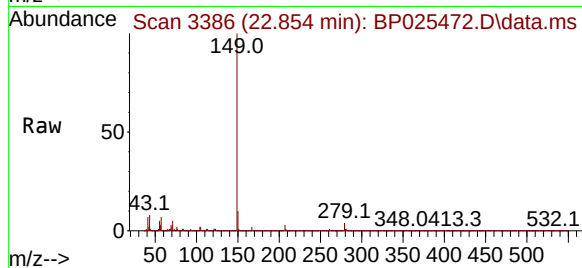
Tgt Ion:149 Resp: 1936416
Ion Ratio Lower Upper
149 100
167 28.2 22.1 33.1
279 4.5 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 50.612 ng
RT: 22.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

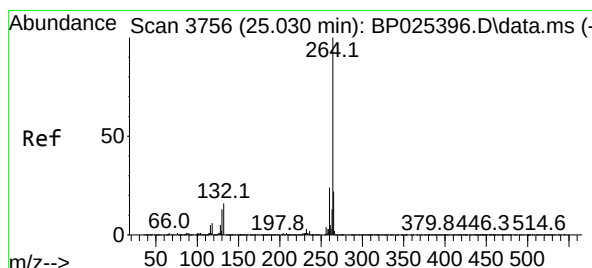
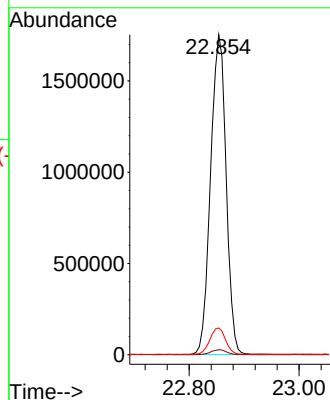
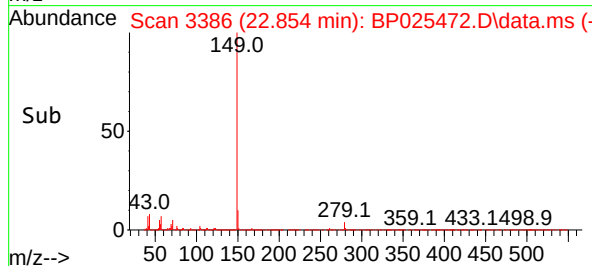
Instrument :
BNA_P
ClientSampleId :
PB169244BS



Tgt Ion:149 Resp: 343731
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.3 6.3 9.5

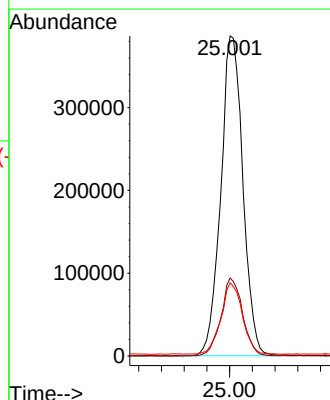
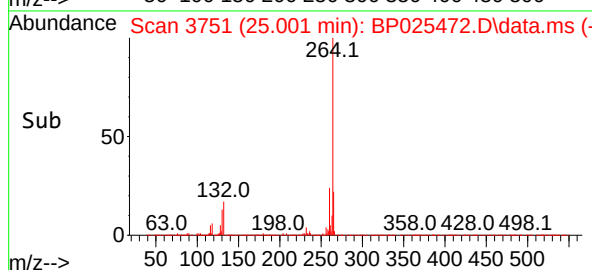
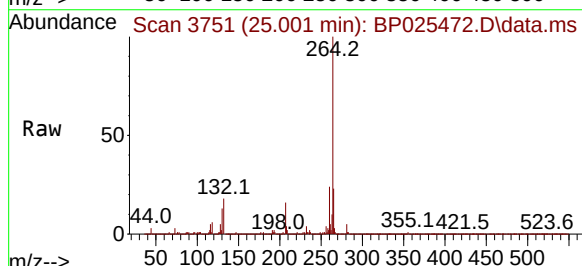
Manual Integrations
APPROVED

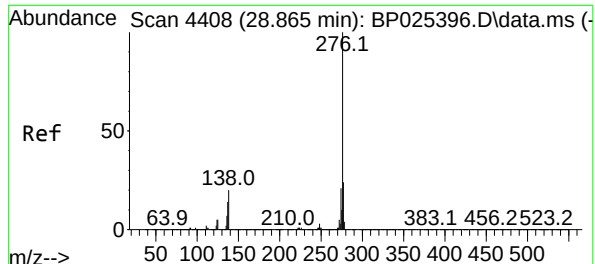
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:264 Resp: 1045081
Ion Ratio Lower Upper
264 100
260 24.4 19.3 28.9
265 22.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.670 ng

RT: 28.842 min Scan# 4408

Delta R.T. -0.024 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:276 Resp: 3500214

Ion Ratio Lower Upper

276 100

138 16.9 12.9 19.3

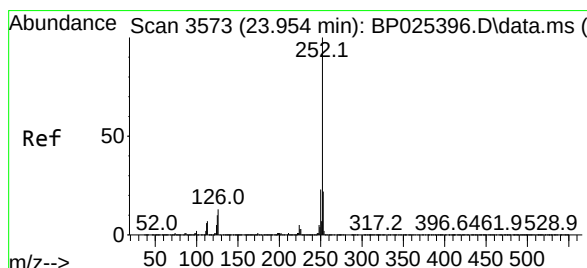
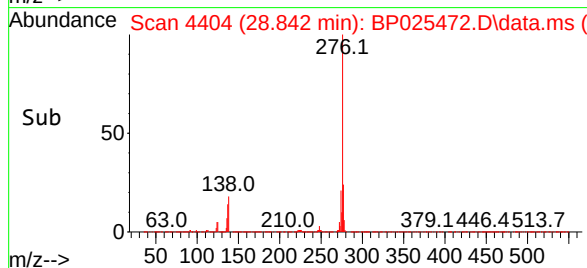
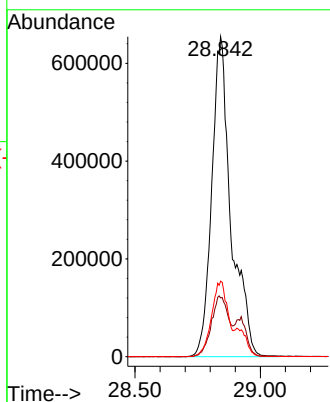
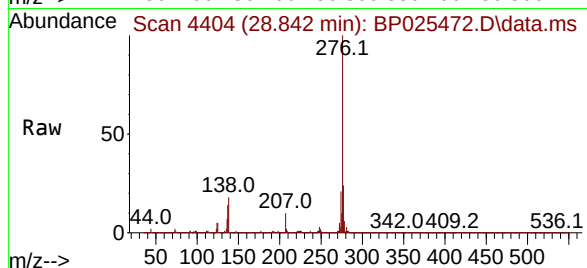
277 20.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#88

Benzo(b)fluoranthene

Concen: 48.351 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

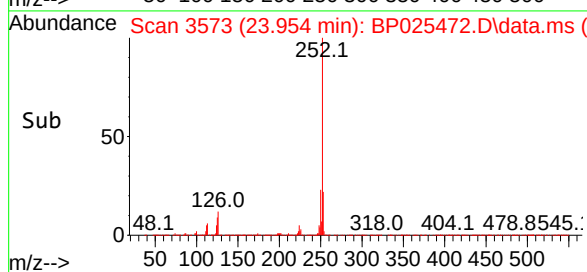
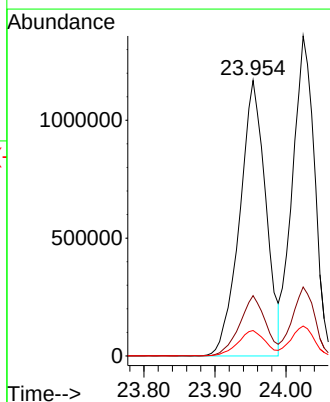
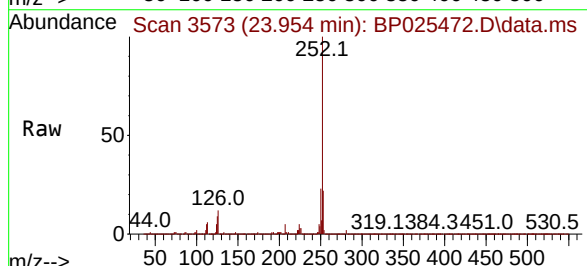
Tgt Ion:252 Resp: 2979641

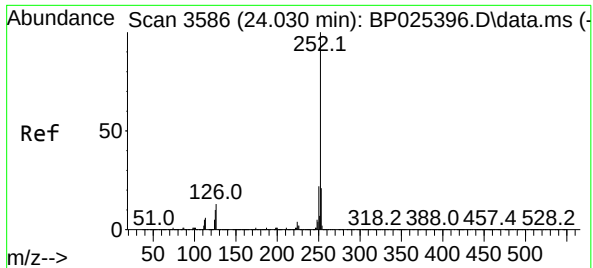
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 9.3 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 47.686 ng

RT: 24.024 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:252 Resp: 294068

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

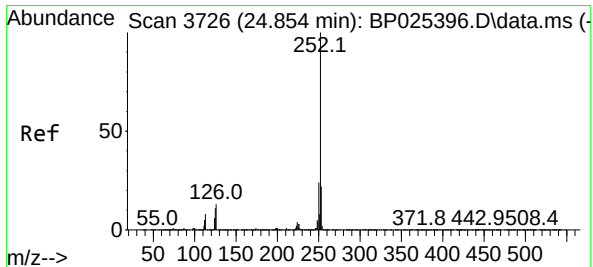
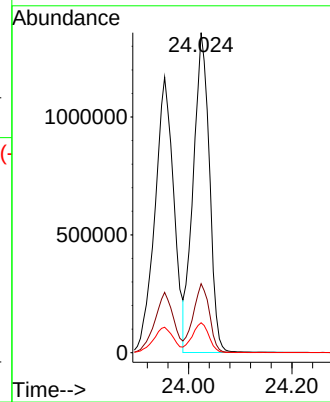
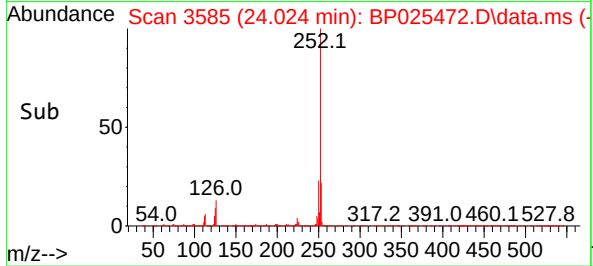
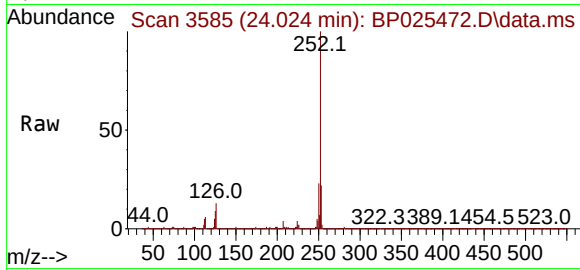
125 9.4 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#90

Benzo(a)pyrene

Concen: 47.279 ng

RT: 24.865 min Scan# 3728

Delta R.T. 0.012 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

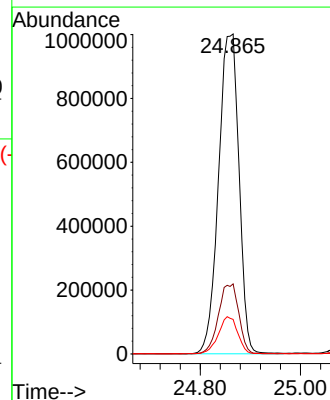
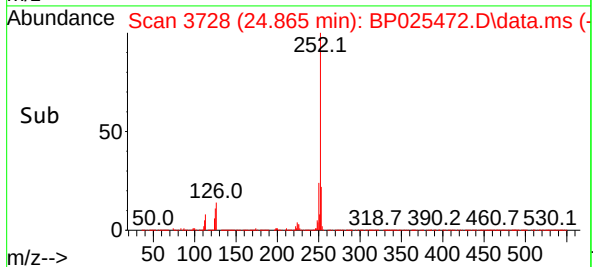
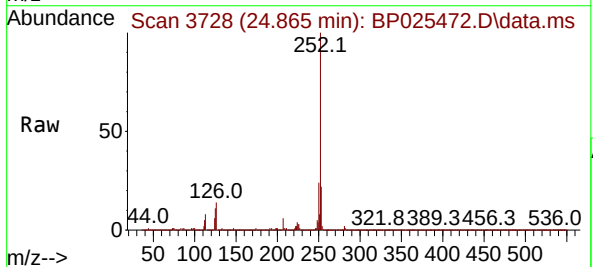
Tgt Ion:252 Resp: 2836165

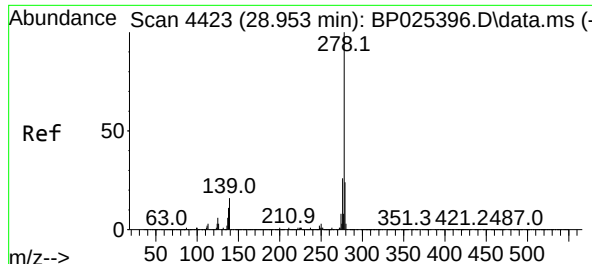
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

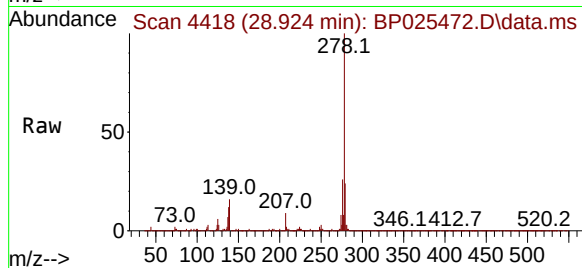
125 10.8 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 45.967 ng
RT: 28.924 min Scan# 4423
Delta R.T. -0.029 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

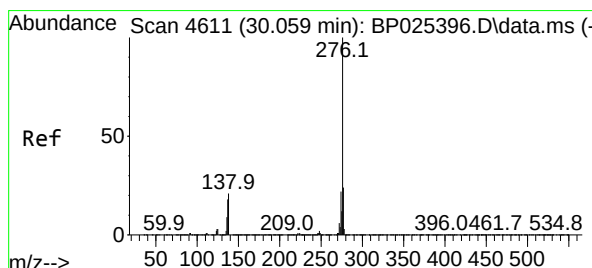
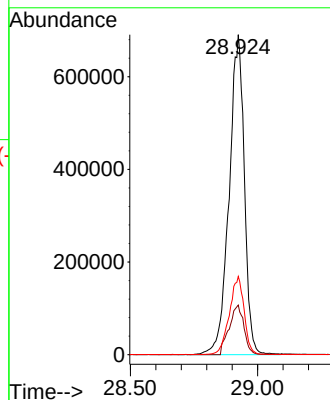
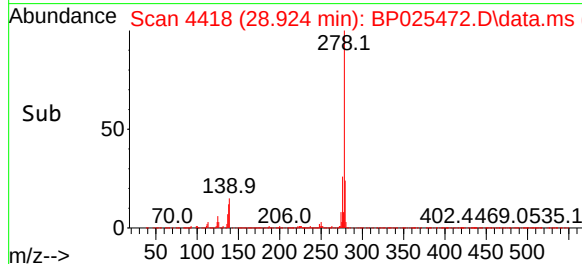
Instrument :
BNA_P
ClientSampleId :
PB169244BS



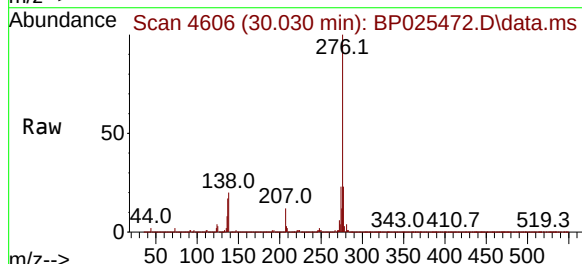
Tgt Ion: 278 Resp: 2878994
Ion Ratio Lower Upper
278 100
139 15.5 13.0 19.4
279 24.5 19.4 29.2

Manual Integrations
APPROVED

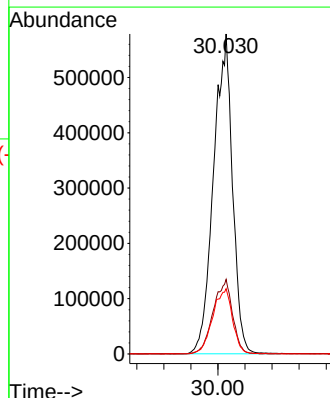
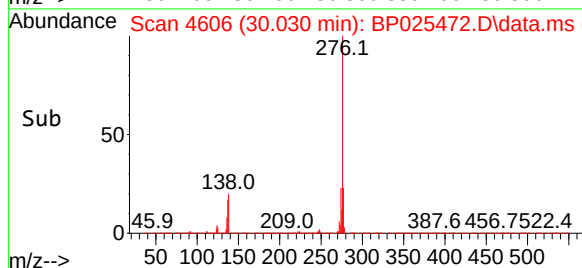
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#92
Benzo(g,h,i)perylene
Concen: 45.636 ng
RT: 30.030 min Scan# 4606
Delta R.T. -0.029 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06



Tgt Ion: 276 Resp: 2809647
Ion Ratio Lower Upper
276 100
277 23.3 19.4 29.0
138 20.4 16.7 25.1



Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169230BSD	SDG No.:	Q2815
Lab Sample ID:	PB169230BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025425.D	1	08/12/25 11:39	08/15/25 13:26	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	26.6		3.90	8.00	10.0	ug/L
108-95-2	Phenol	44.9		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.2		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	44.7		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	44.2		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.6		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	42.9		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.5		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.9		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	42.8		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	45.0		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	41.7		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	44.5		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	45.3		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.8		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	45.8		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	43.1		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	27.2		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.6		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	43.9		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.6		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.8		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	96.4	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	45.9		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.0		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	43.5		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.5		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	47.5		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	43.9		0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169230BSD	SDG No.:	Q2815
Lab Sample ID:	PB169230BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025425.D	1	08/12/25 11:39	08/15/25 13:26	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.7		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.5		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	33.4		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	44.3		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	95.3	E	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	42.9		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.7		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	44.2		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.7		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	43.0		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	43.3		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.6		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	44.8		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.7		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	44.5		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	46.2		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	98.0	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	44.8		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	45.2		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	45.9		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.9		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	44.5		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	44.7		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	46.5		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	34.1		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.3		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	46.0		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.2		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	48.8		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.6		0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169230BSD	SDG No.:	Q2815
Lab Sample ID:	PB169230BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025425.D	1	08/12/25 11:39	08/15/25 13:26	PB169230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	46.9		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.1		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.9		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.0		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.7		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.3		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	37.1		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.0		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124		19 - 119		83%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 130		82%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.4		44 - 120		77%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		44 - 119		77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		43 - 140		83%	SPK: 150
1718-51-0	Terphenyl-d14	77.3		50 - 134		77%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168000	7.778				
1146-65-2	Naphthalene-d8	667000	10.548				
15067-26-2	Acenaphthene-d10	425000	14.401				
1517-22-2	Phenanthrene-d10	837000	17.207				
1719-03-5	Chrysene-d12	883000	21.654				
1520-96-3	Perylene-d12	1040000	25.012				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025425.D
 Acq On : 15 Aug 2025 13:26
 Operator : CG/JU
 Sample : PB169230BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169230BSD

Quant Time: Aug 15 13:57:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	168072	20.000	ng	-0.02
21) Naphthalene-d8	10.548	136	666741	20.000	ng	-0.01
39) Acenaphthene-d10	14.401	164	424927	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	837407	20.000	ng	0.00
76) Chrysene-d12	21.654	240	883409	20.000	ng	0.00
86) Perylene-d12	25.012	264	1035260	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	1259438	124.443	ng	-0.01
7) Phenol-d6	6.960	99	1600680	123.363	ng	0.00
23) Nitrobenzene-d5	8.919	82	1020486	77.424	ng	-0.02
42) 2,4,6-Tribromophenol	15.919	330	712661	124.601	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2387172	76.778	ng	0.00
79) Terphenyl-d14	19.924	244	3734835	77.350	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.325	88	147246	37.144	ng	98
3) Pyridine	3.719	79	373939	34.463	ng	97
4) n-Nitrosodimethylamine	3.625	42	197894	44.239	ng	94
6) Aniline	7.113	93	636255	36.394	ng	99
8) 2-Chlorophenol	7.354	128	510013	44.657	ng	99
9) Benzaldehyde	6.925	77	241816	26.600	ng	98
10) Phenol	6.984	94	611448	44.909	ng	96
11) bis(2-Chloroethyl)ether	7.207	93	447428	42.162	ng	98
12) 1,3-Dichlorobenzene	7.672	146	524682	41.664	ng	99
13) 1,4-Dichlorobenzene	7.813	146	536677	41.695	ng	99
14) 1,2-Dichlorobenzene	8.131	146	518242	41.593	ng	97
15) Benzyl Alcohol	8.013	79	443998	43.066	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.295	45	605807	42.615	ng	98
17) 2-Methylphenol	8.213	107	418119	44.217	ng	99
18) Hexachloroethane	8.854	117	202516	42.792	ng	98
19) n-Nitroso-di-n-propyla...	8.578	70	342802	39.885	ng	97
20) 3+4-Methylphenols	8.537	107	570482	43.523	ng	98
22) Acetophenone	8.590	105	717162	42.891	ng	98
24) Nitrobenzene	8.960	77	529804	44.976	ng	98
25) Isophorone	9.489	82	973615	41.739	ng	99
26) 2-Nitrophenol	9.666	139	269071	44.509	ng	95
27) 2,4-Dimethylphenol	9.731	122	470718	45.278	ng	97
28) bis(2-Chloroethoxy)met...	9.960	93	602831	42.754	ng	97
29) 2,4-Dichlorophenol	10.201	162	473045	45.804	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	483350	42.694	ng	100
31) Naphthalene	10.601	128	1494676	43.131	ng	99
32) Benzoic acid	9.872	122	362237	47.195	ng	96
33) 4-Chloroaniline	10.701	127	415649	27.153	ng	99
34) Hexachlorobutadiene	10.889	225	300315	42.594	ng	99
35) Caprolactam	11.483	113	166236	43.898	ng	96
36) 4-Chloro-3-methylphenol	11.831	107	528039	44.558	ng	99
37) 2-Methylnaphthalene	12.207	142	965857	42.828	ng	100
38) 1-Methylnaphthalene	12.431	142	991029	41.322	ng	100
40) 1,2,4,5-Tetrachloroben...	12.578	216	530873	43.258	ng	99
41) Hexachlorocyclopentadiene	12.560	237	714288	96.356	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	380238	45.894	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025425.D
 Acq On : 15 Aug 2025 13:26
 Operator : CG/JU
 Sample : PB169230BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169230BSD

Quant Time: Aug 15 13:57:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

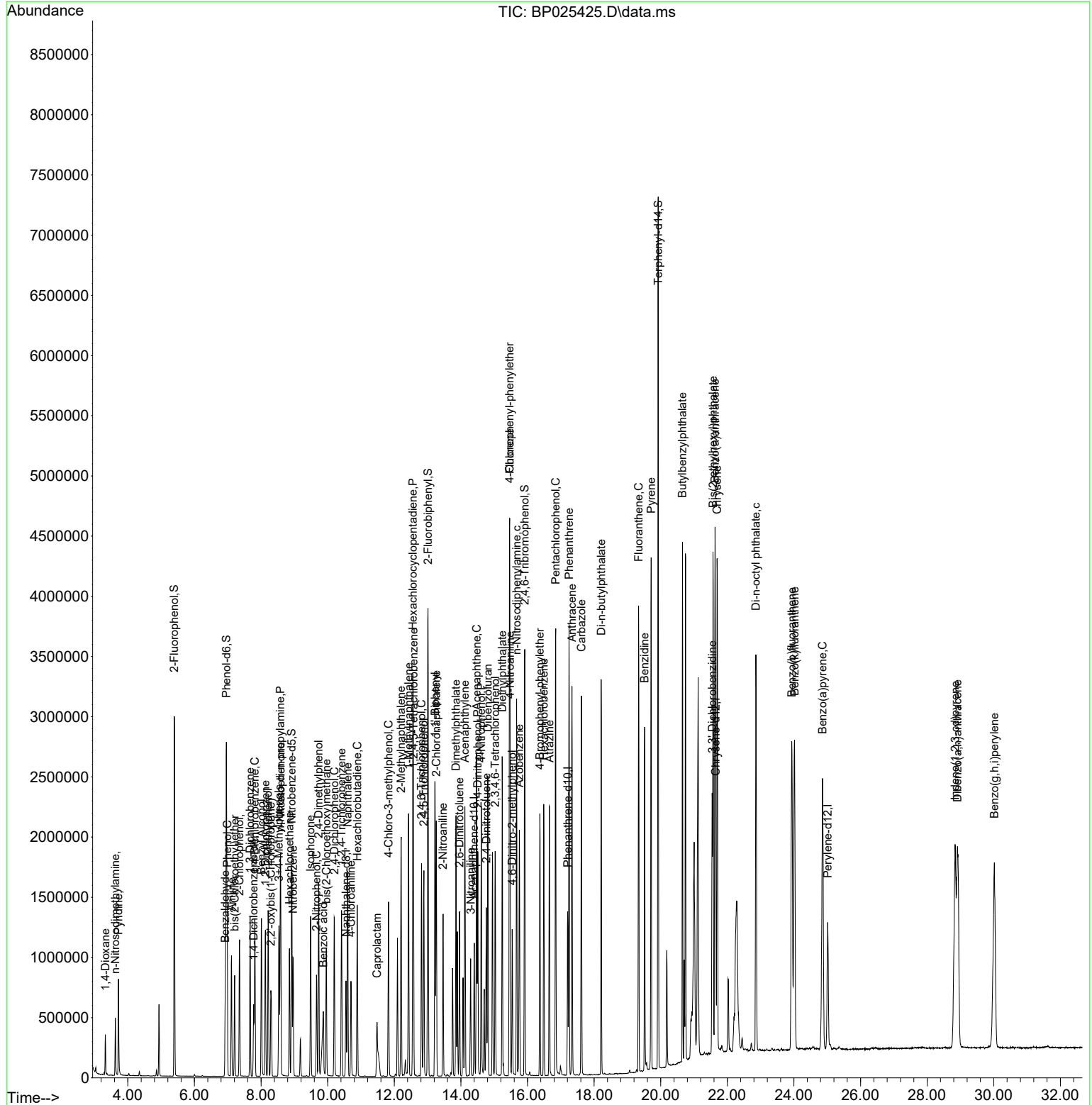
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	426971	47.021	ng	99
46) 1,1'-Biphenyl	13.225	154	1341958	43.484	ng	98
47) 2-Chloronaphthalene	13.260	162	1045208	43.506	ng	99
48) 2-Nitroaniline	13.466	65	332445	47.491	ng	97
49) Acenaphthylene	14.119	152	1736412	43.679	ng	100
50) Dimethylphthalate	13.854	163	1364594	43.854	ng	99
51) 2,6-Dinitrotoluene	13.960	165	305278	46.547	ng	95
52) Acenaphthene	14.472	154	1034163	44.318	ng	99
53) 3-Nitroaniline	14.295	138	246772	33.442	ng	99
54) 2,4-Dinitrophenol	14.507	184	378502	108.068	ng	95
55) Dibenzofuran	14.807	168	1583459	42.921	ng	98
56) 4-Nitrophenol	14.613	139	578099	95.340	ng	91
57) 2,4-Dinitrotoluene	14.766	165	446631	47.730	ng	97
58) Fluorene	15.466	166	1251709	42.998	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.030	232	368890	46.009	ng	99
60) Diethylphthalate	15.242	149	1397834	44.210	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	617566	42.656	ng	96
62) 4-Nitroaniline	15.477	138	327789	43.331	ng	96
63) Azobenzene	15.754	77	1250604	46.193	ng	97
65) 4,6-Dinitro-2-methylph...	15.542	198	258648	49.550	ng	90
66) n-Nitrosodiphenylamine	15.672	169	1144220	44.808	ng	99
67) 4-Bromophenyl-phenylether	16.371	248	411920	44.726	ng	96
68) Hexachlorobenzene	16.489	284	475535	44.542	ng	100
69) Atrazine	16.660	200	441483	46.165	ng	97
70) Pentachlorophenol	16.848	266	660333	97.981	ng	97
71) Phenanthrene	17.248	178	2060065	44.783	ng	99
72) Anthracene	17.336	178	2122885	45.190	ng	100
73) Carbazole	17.618	167	2031552	45.913	ng	99
74) Di-n-butylphthalate	18.213	149	2497806	45.882	ng	100
75) Fluoranthene	19.336	202	2442709	44.517	ng	99
77) Benzidine	19.518	184	1450901	48.125	ng	100
78) Pyrene	19.712	202	2568011	44.724	ng	100
80) Butylbenzylphthalate	20.654	149	1210580	46.520	ng	97
81) Benzo(a)anthracene	21.630	228	2695916	46.273	ng	99
82) 3,3'-Dichlorobenzidine	21.548	252	748927	34.104	ng	99
83) Chrysene	21.695	228	2507192	45.952	ng	98
84) Bis(2-ethylhexyl)phtha...	21.571	149	1768457	46.165	ng	100
85) Di-n-octyl phthalate	22.859	149	3215556	48.802	ng	99
87) Indeno(1,2,3-cd)pyrene	28.841	276	3557513	46.858	ng	98
88) Benzo(b)fluoranthene	23.936	252	2906105	47.605	ng	100
89) Benzo(k)fluoranthene	24.018	252	2863889	46.881	ng	99
90) Benzo(a)pyrene	24.859	252	2797186	47.072	ng	100
91) Dibenzo(a,h)anthracene	28.912	278	2913978	46.967	ng	98
92) Benzo(g,h,i)perylene	30.018	276	2846019	46.665	ng	98

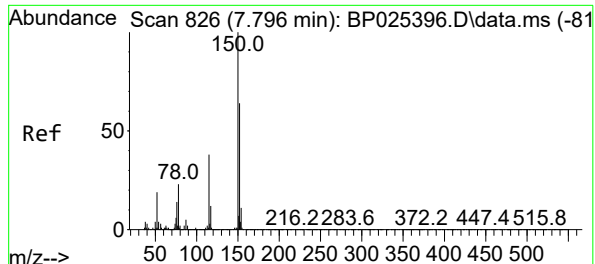
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP025425.D  
Acq On    : 15 Aug 2025   13:26  
Operator  : CG/JU  
Sample    : PB169230BSD  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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Instrument :
BNA_P
ClientSampleId :
PB169230BSD

Quant Time: Aug 15 13:57:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Qlast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

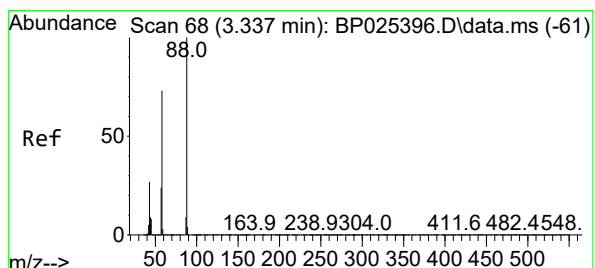
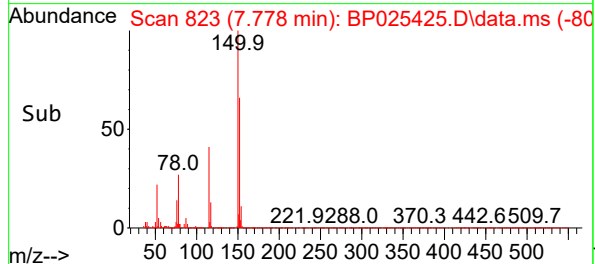
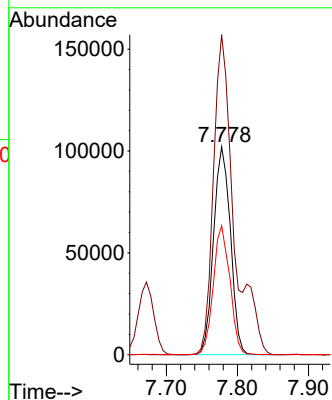
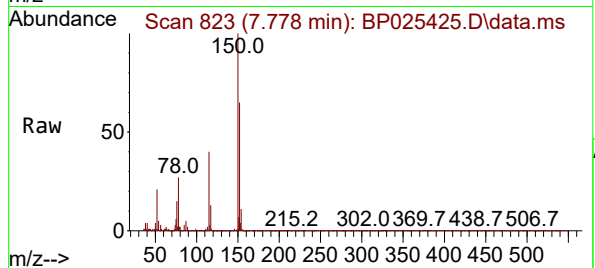




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

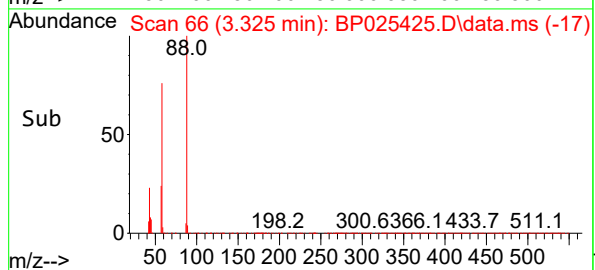
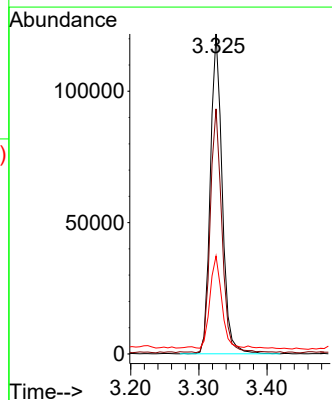
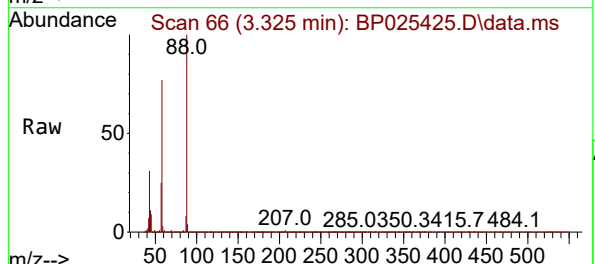
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

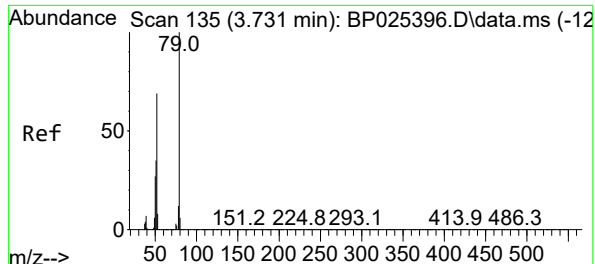
Tgt Ion:152 Resp: 168072
Ion Ratio Lower Upper
152 100
150 154.0 125.9 188.9
115 62.1 48.5 72.7



#2
1,4-Dioxane
Concen: 37.144 ng
RT: 3.325 min Scan# 66
Delta R.T. -0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion: 88 Resp: 147246
Ion Ratio Lower Upper
88 100
58 75.5 59.2 88.8
43 28.1 21.7 32.5

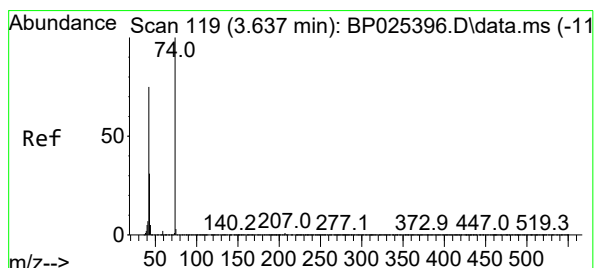
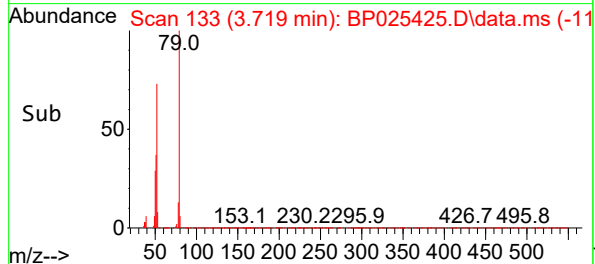
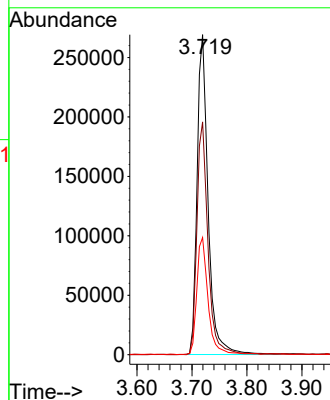
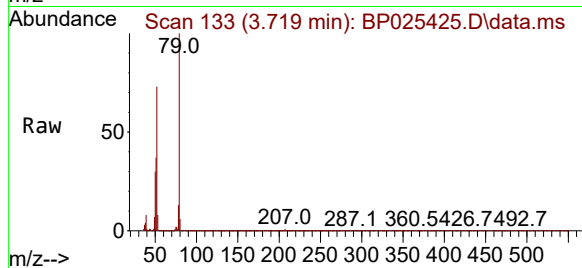




#3
Pyridine
Concen: 34.463 ng
RT: 3.719 min Scan# 111
Delta R.T. -0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

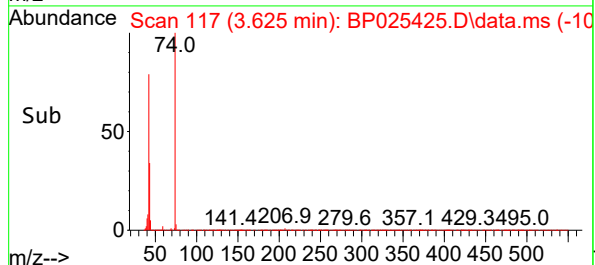
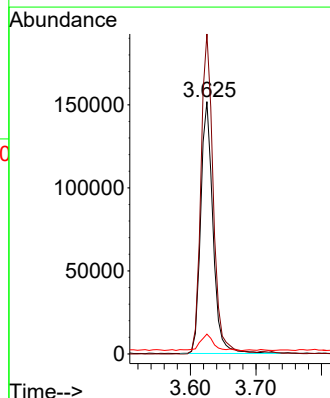
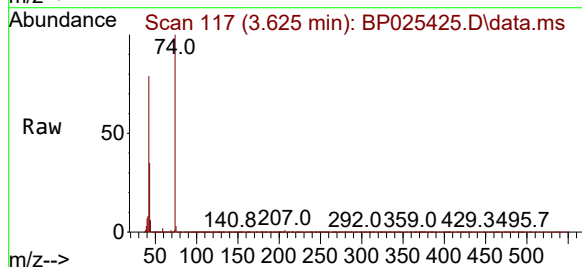
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

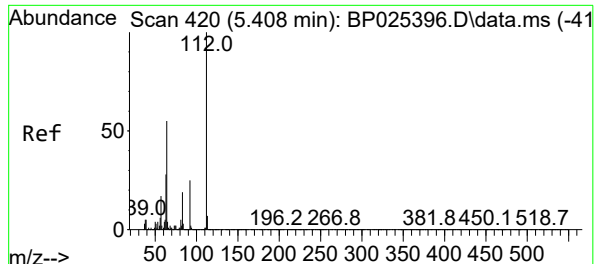
Tgt Ion: 79 Resp: 373939
Ion Ratio Lower Upper
79 100
52 72.8 55.5 83.3
51 36.6 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 44.239 ng
RT: 3.625 min Scan# 117
Delta R.T. -0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion: 42 Resp: 197894
Ion Ratio Lower Upper
42 100
74 126.8 107.0 160.4
44 7.9 6.2 9.4





#5

2-Fluorophenol

Concen: 124.443 ng

RT: 5.396 min Scan# 41

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

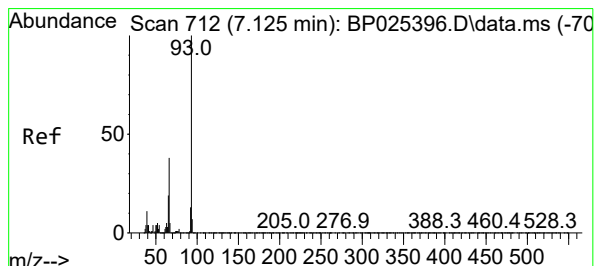
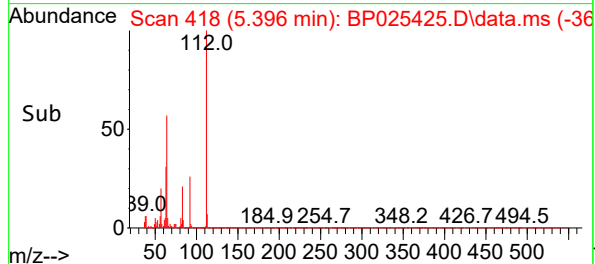
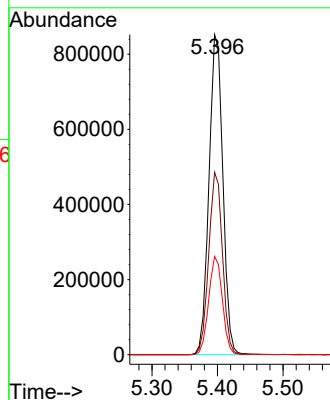
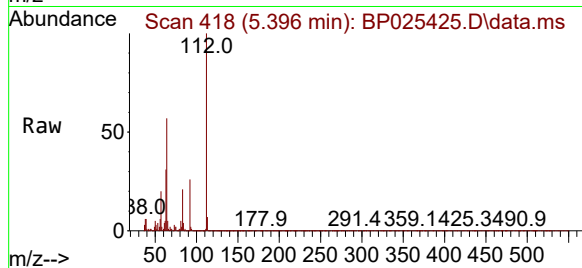
Tgt Ion:112 Resp: 1259438

Ion Ratio Lower Upper

112 100

64 57.0 43.8 65.8

63 30.7 22.7 34.1



#6

Aniline

Concen: 36.394 ng

RT: 7.113 min Scan# 710

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

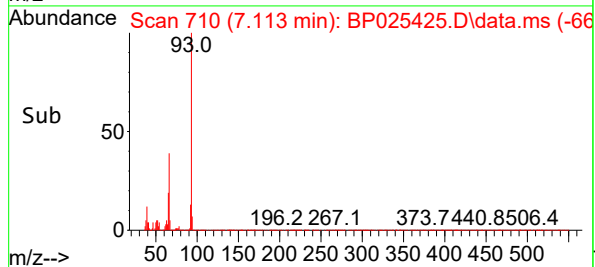
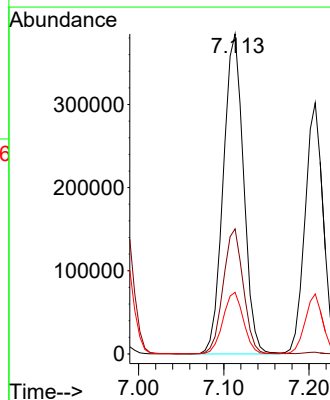
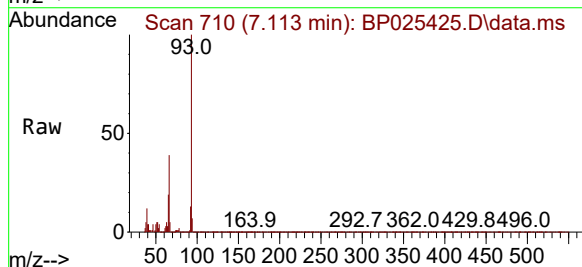
Tgt Ion: 93 Resp: 636255

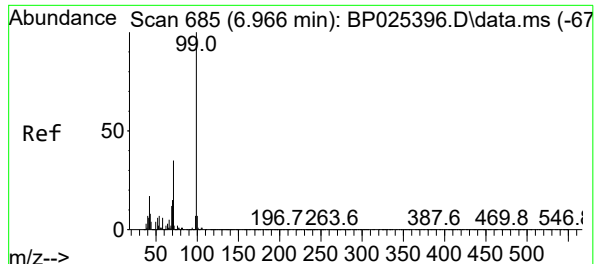
Ion Ratio Lower Upper

93 100

66 39.1 30.4 45.6

65 19.3 15.3 22.9

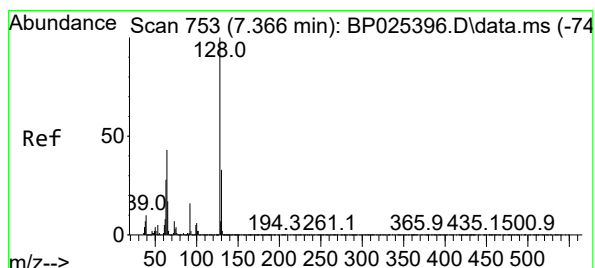
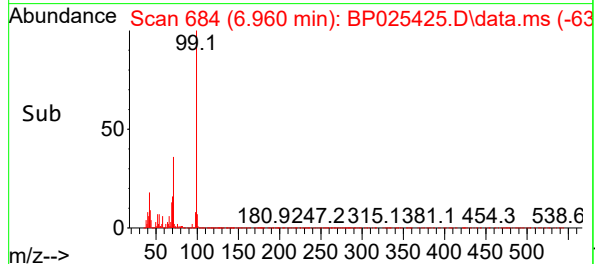
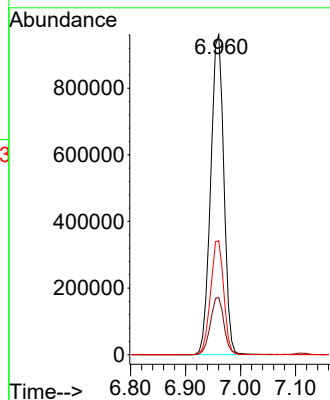
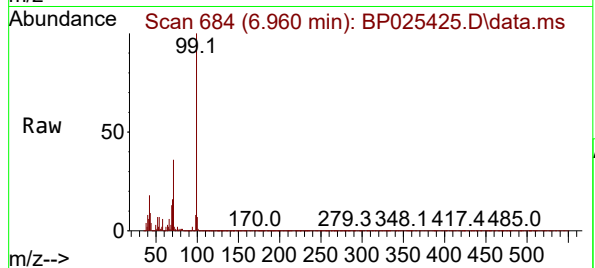




#7
Phenol-d6
Concen: 123.363 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

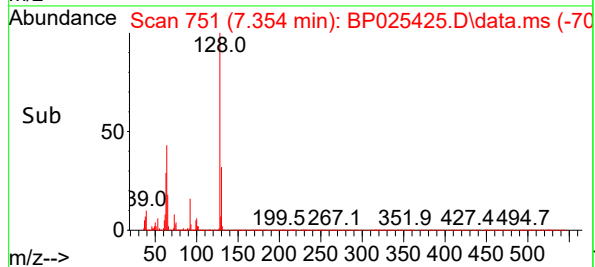
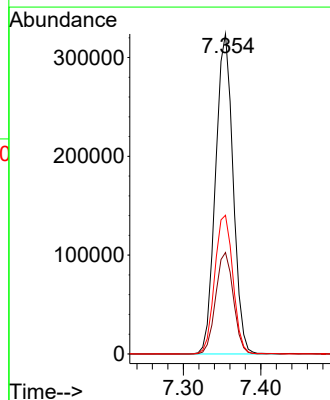
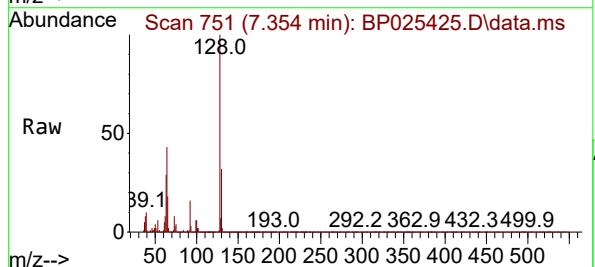
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

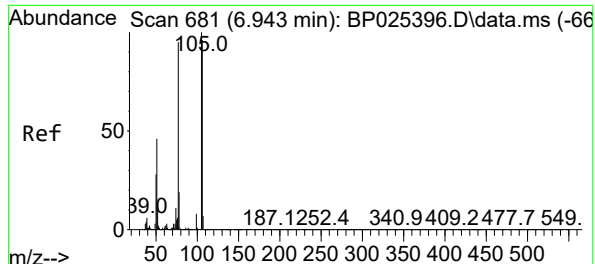
Tgt Ion: 99 Resp: 1600680
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 35.6 28.2 42.4



#8
2-Chlorophenol
Concen: 44.657 ng
RT: 7.354 min Scan# 751
Delta R.T. -0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion: 128 Resp: 510013
Ion Ratio Lower Upper
128 100
130 31.7 12.6 52.6
64 43.3 23.4 63.4





#9

Benzaldehyde

Concen: 26.600 ng

RT: 6.925 min Scan# 61

Delta R.T. -0.018 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

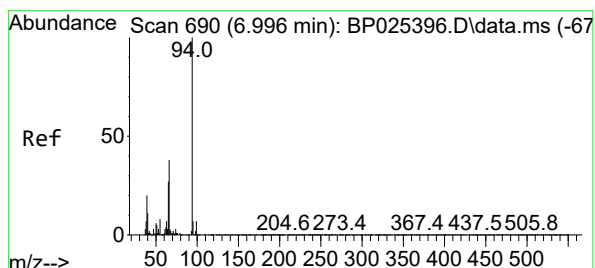
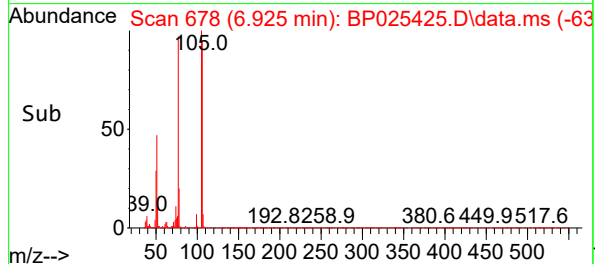
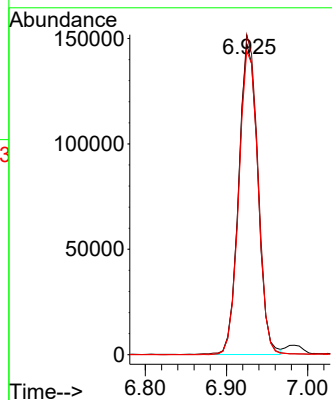
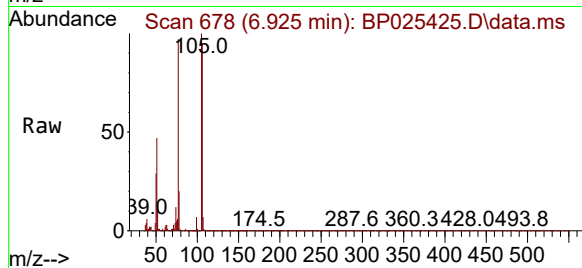
Tgt Ion: 77 Resp: 241816

Ion Ratio Lower Upper

77 100

105 103.0 84.8 124.8

106 97.7 80.5 120.5



#10

Phenol

Concen: 44.909 ng

RT: 6.984 min Scan# 688

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

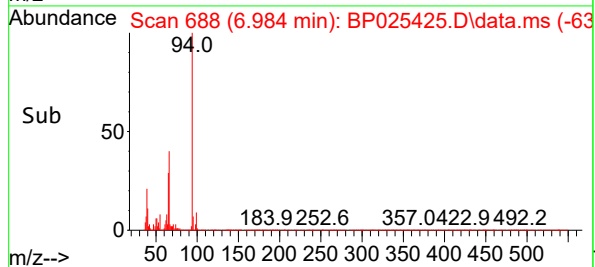
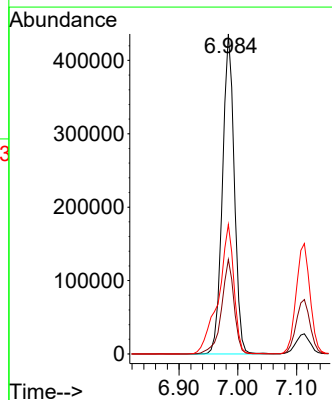
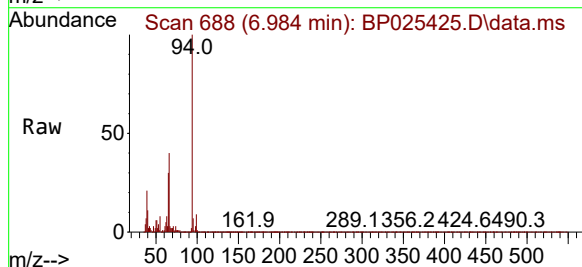
Tgt Ion: 94 Resp: 611448

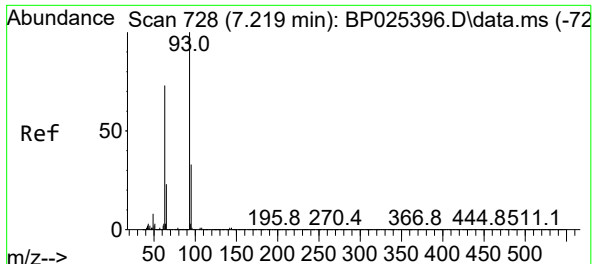
Ion Ratio Lower Upper

94 100

65 29.5 6.8 46.8

66 40.4 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 42.162 ng

RT: 7.207 min Scan# 71

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

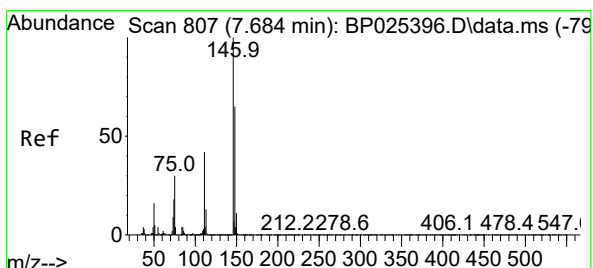
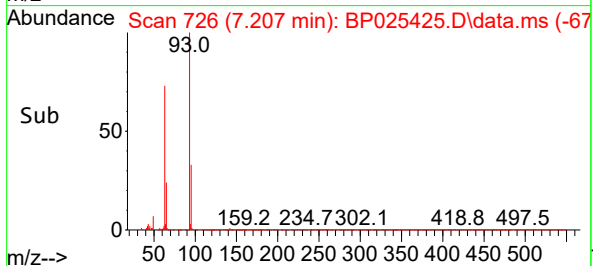
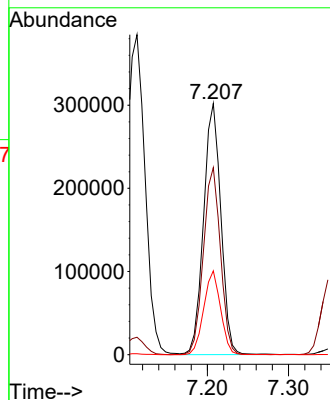
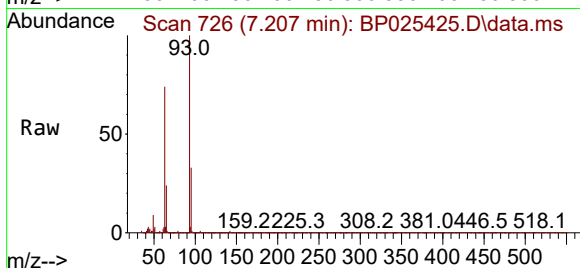
Tgt Ion: 93 Resp: 447428

Ion Ratio Lower Upper

93 100

63 74.5 52.6 92.6

95 33.4 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 41.664 ng

RT: 7.672 min Scan# 805

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

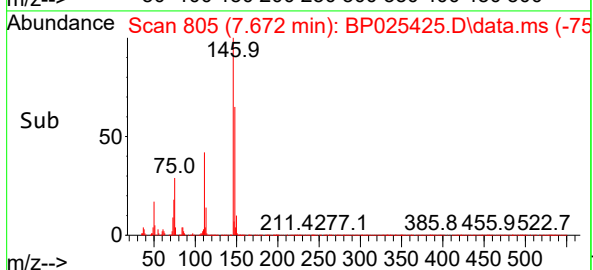
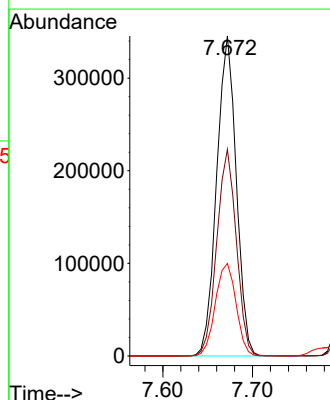
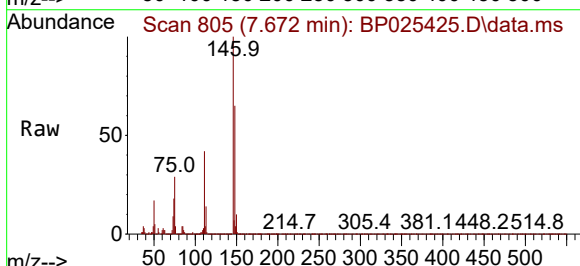
Tgt Ion: 146 Resp: 524682

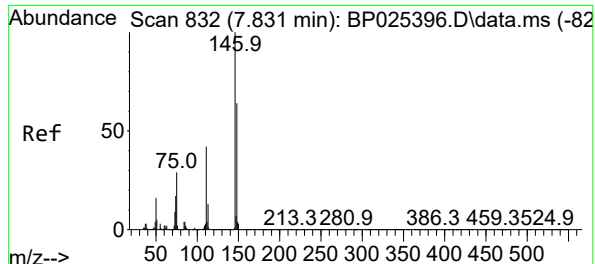
Ion Ratio Lower Upper

146 100

148 64.6 51.9 77.9

75 28.9 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 41.695 ng

RT: 7.813 min Scan# 81

Delta R.T. -0.018 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

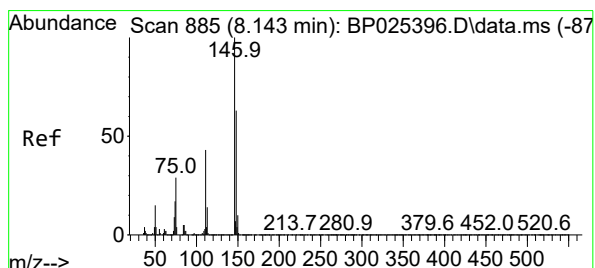
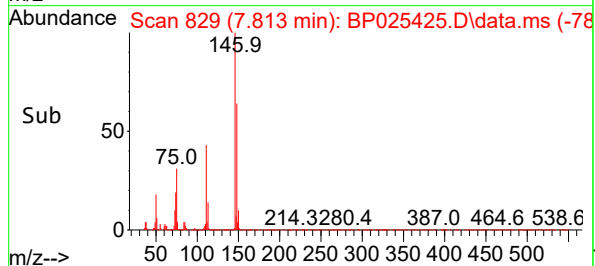
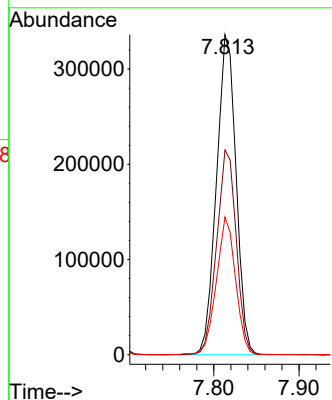
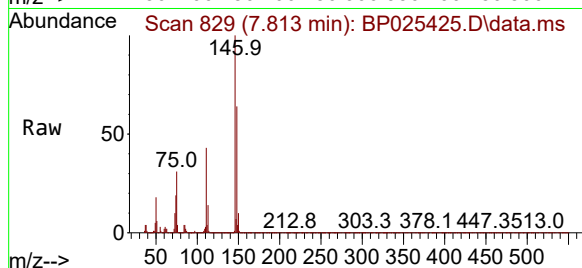
Tgt Ion:146 Resp: 536677

Ion Ratio Lower Upper

146 100

148 64.0 51.6 77.4

111 43.0 33.4 50.0



#14

1,2-Dichlorobenzene

Concen: 41.593 ng

RT: 8.131 min Scan# 883

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

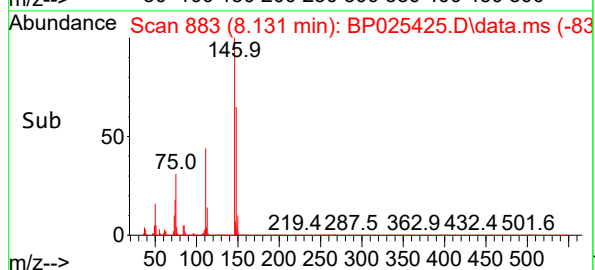
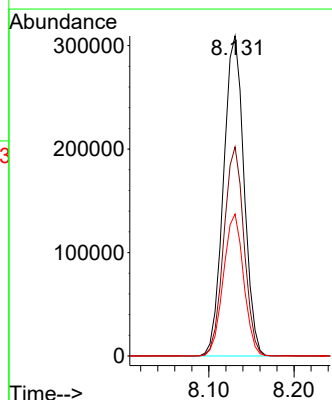
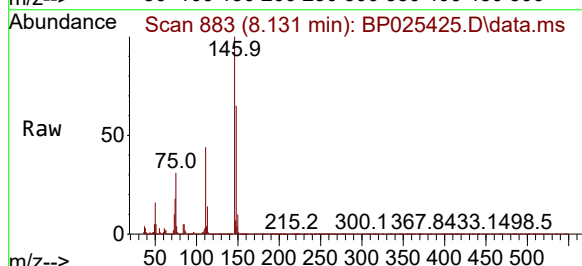
Tgt Ion:146 Resp: 518242

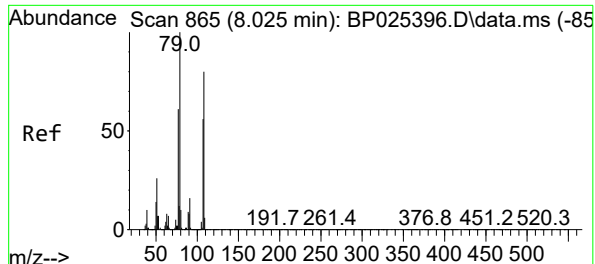
Ion Ratio Lower Upper

146 100

148 65.4 50.4 75.6

111 44.4 34.5 51.7





#15

Benzyl Alcohol

Concen: 43.066 ng

RT: 8.013 min Scan# 80

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

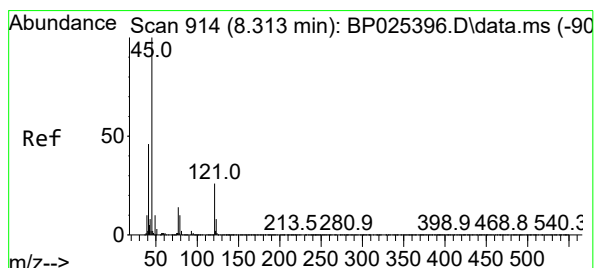
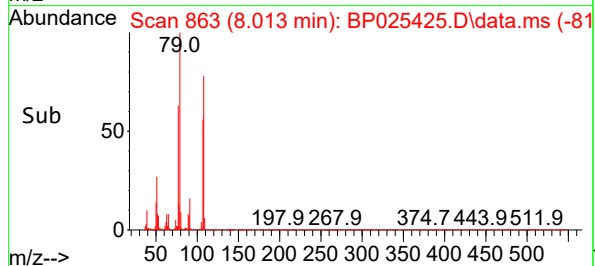
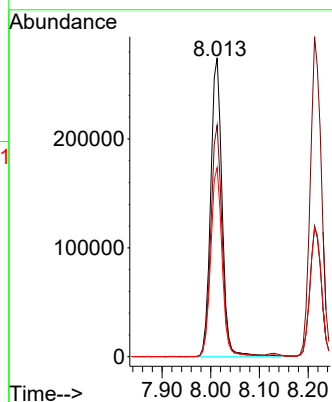
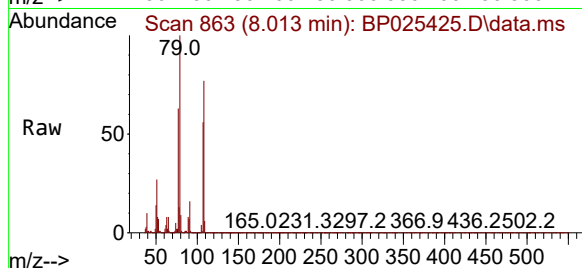
Tgt Ion: 79 Resp: 443998

Ion Ratio Lower Upper

79 100

108 77.5 63.8 95.6

77 63.3 49.0 73.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.615 ng

RT: 8.295 min Scan# 911

Delta R.T. -0.018 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

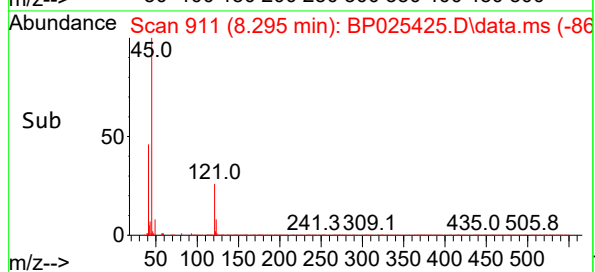
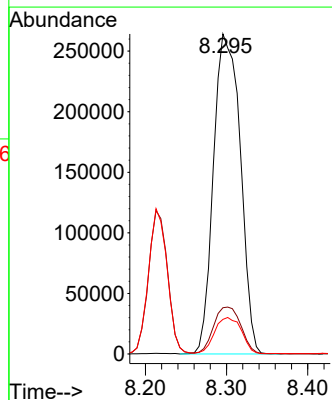
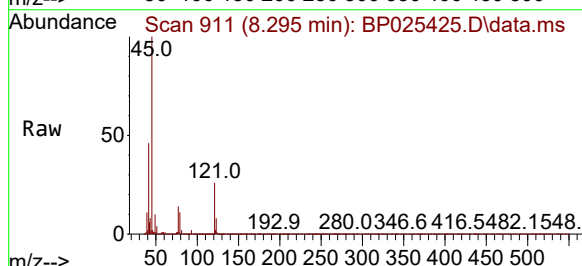
Tgt Ion: 45 Resp: 605807

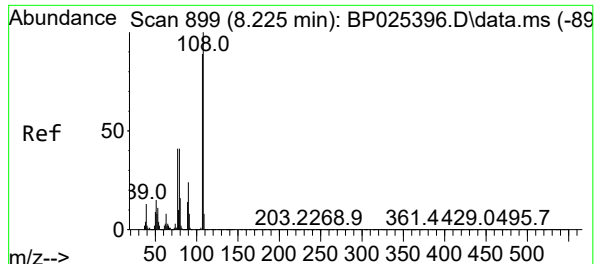
Ion Ratio Lower Upper

45 100

77 14.4 0.0 35.3

79 10.8 0.0 31.8





#17

2-Methylphenol

Concen: 44.217 ng

RT: 8.213 min Scan# 89

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

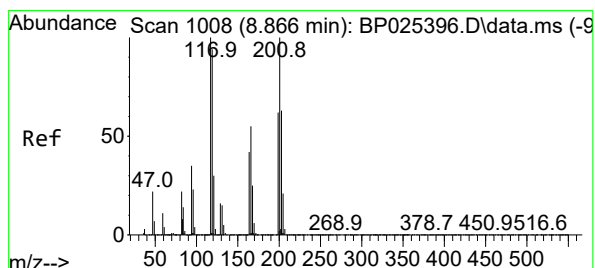
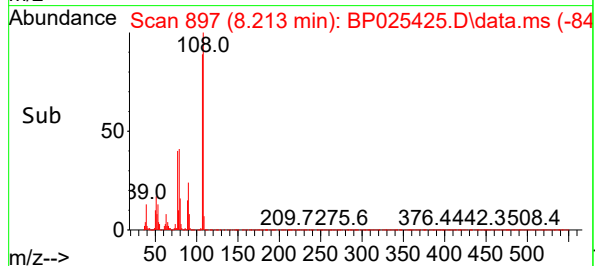
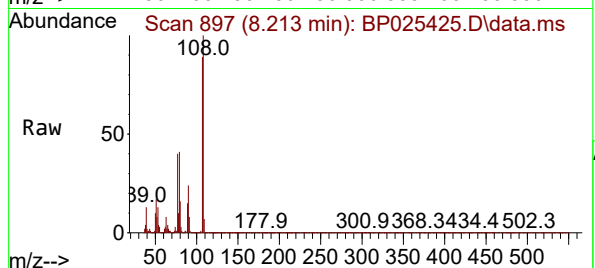
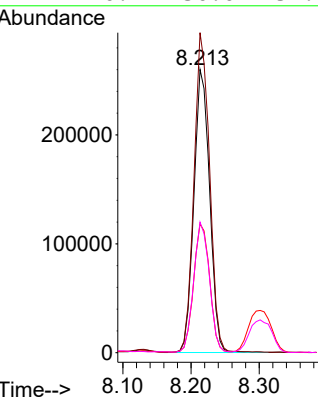
BNA_P

ClientSampleId :

PB169230BSD

Tgt Ion:107 Resp: 418119

Ion	Ratio	Lower	Upper
107	100		
108	113.0	89.4	134.0
77	45.5	36.3	54.5
79	46.1	36.6	54.8



#18

Hexachloroethane

Concen: 42.792 ng

RT: 8.854 min Scan# 1006

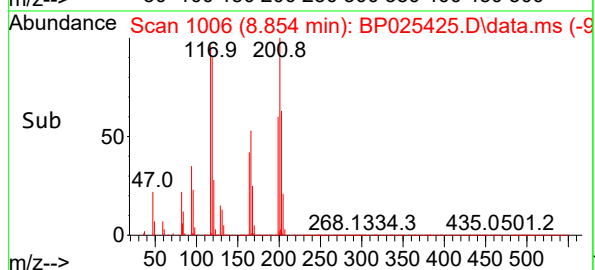
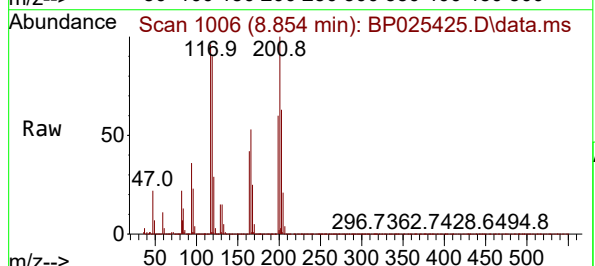
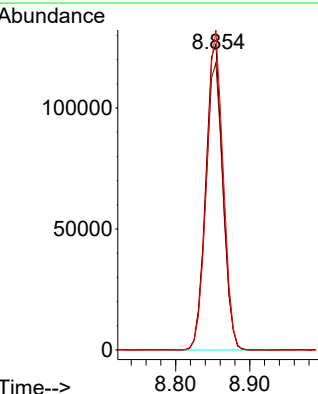
Delta R.T. -0.012 min

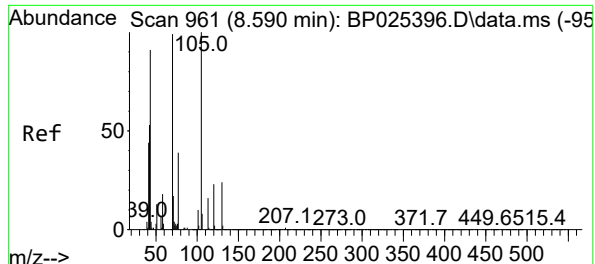
Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Tgt Ion:117 Resp: 202516

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.1	112.7
201	104.6	80.1	120.1





#19

n-Nitroso-di-n-propylamine

Concen: 39.885 ng

RT: 8.578 min Scan# 91

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

Tgt Ion: 70 Resp: 342802

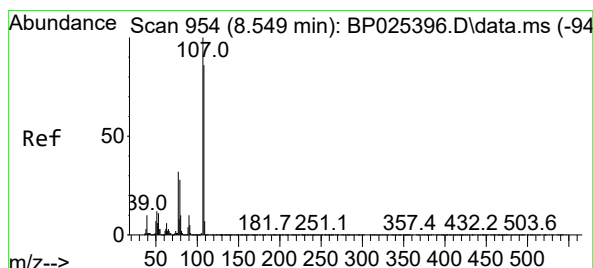
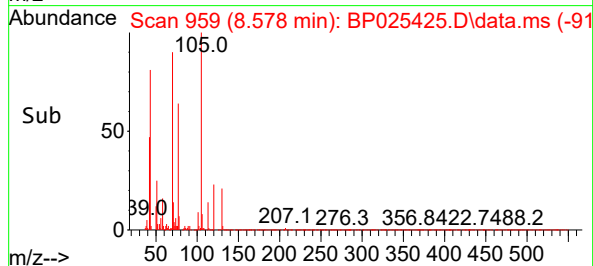
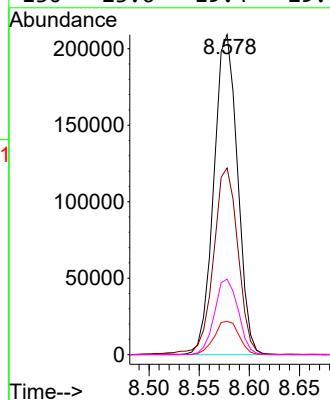
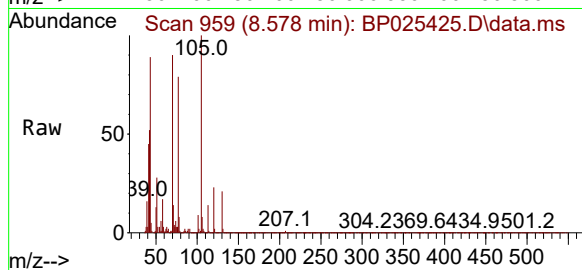
Ion Ratio Lower Upper

70 100

42 58.4 43.8 65.6

101 10.4 8.5 12.7

130 23.6 19.4 29.0



#20

3+4-Methylphenols

Concen: 43.523 ng

RT: 8.537 min Scan# 952

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Tgt Ion: 107 Resp: 570482

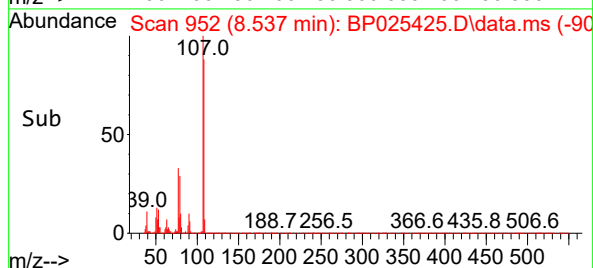
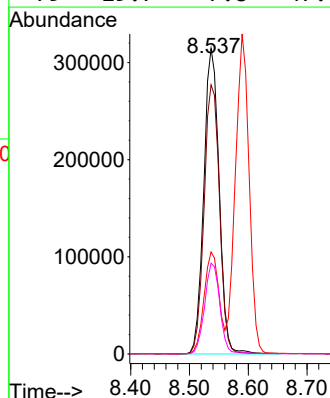
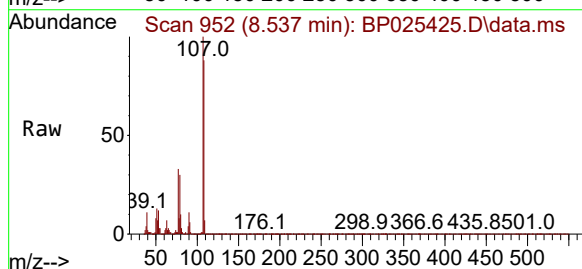
Ion Ratio Lower Upper

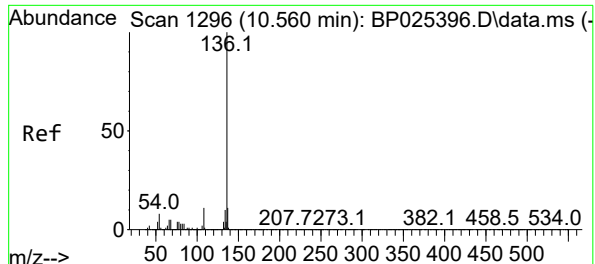
107 100

108 88.2 66.3 106.3

77 33.4 12.3 52.3

79 29.7 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.548 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

Tgt Ion:136 Resp: 666741

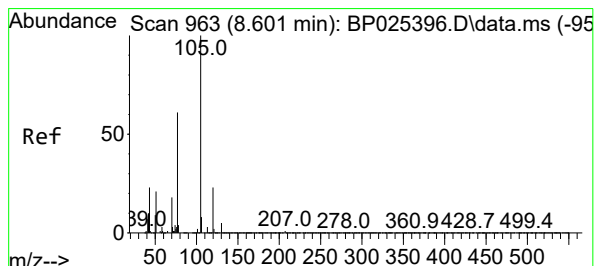
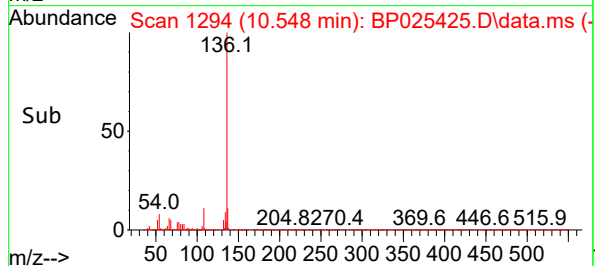
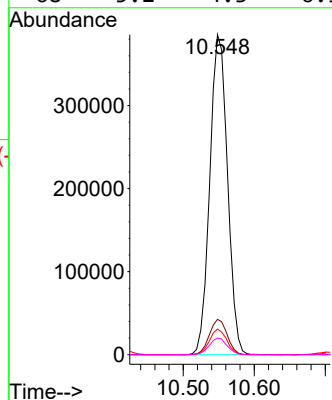
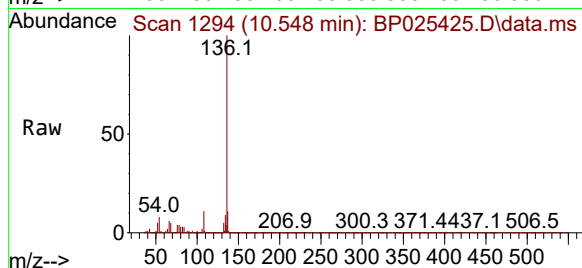
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 8.0 6.0 9.0

68 5.2 4.3 6.5



#22

Acetophenone

Concen: 42.891 ng

RT: 8.590 min Scan# 961

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Tgt Ion:105 Resp: 717162

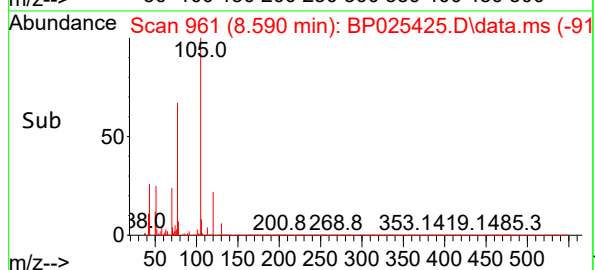
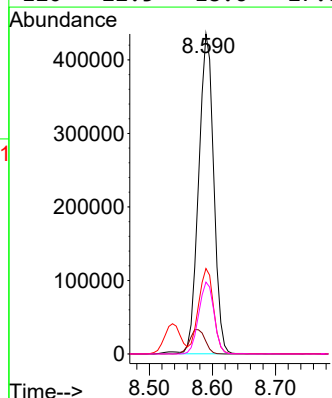
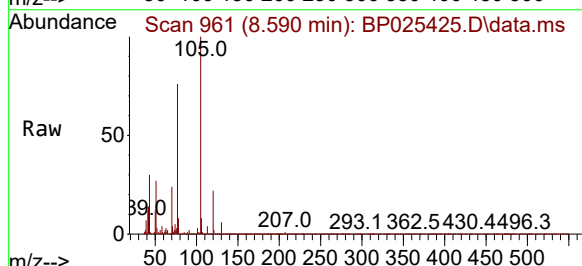
Ion Ratio Lower Upper

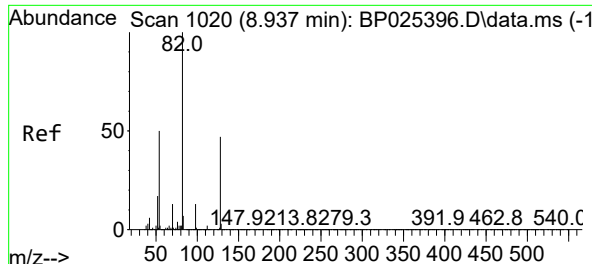
105 100

71 3.9 2.6 4.0

51 26.7 20.6 30.8

120 22.5 18.6 27.8





#23

Nitrobenzene-d5

Concen: 77.424 ng

RT: 8.919 min Scan# 1017

Delta R.T. -0.018 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

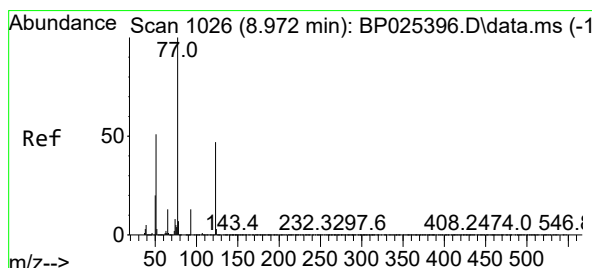
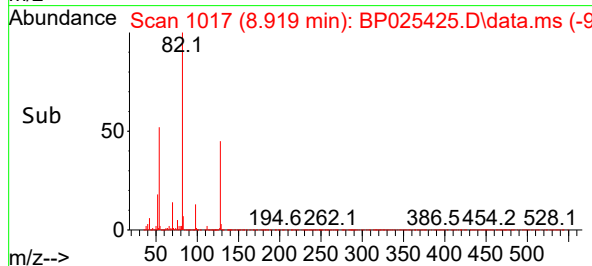
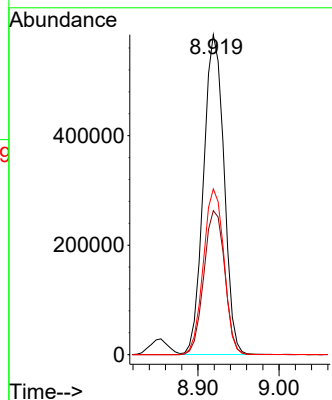
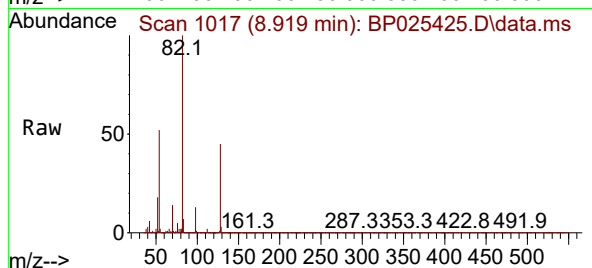
Tgt Ion: 82 Resp: 1020486

Ion Ratio Lower Upper

82 100

128 45.0 37.7 56.5

54 51.8 39.8 59.6



#24

Nitrobenzene

Concen: 44.976 ng

RT: 8.960 min Scan# 1024

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

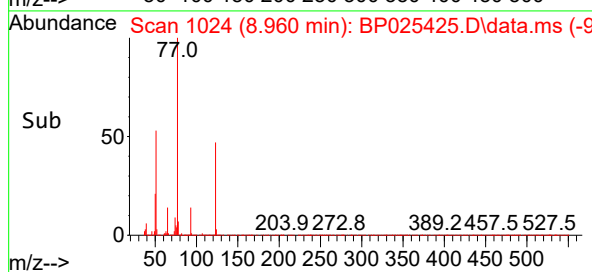
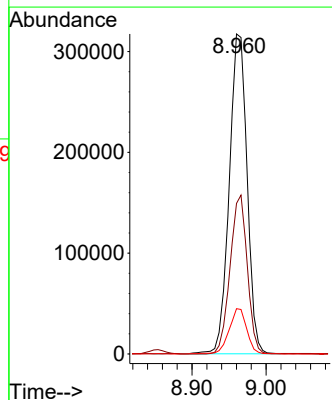
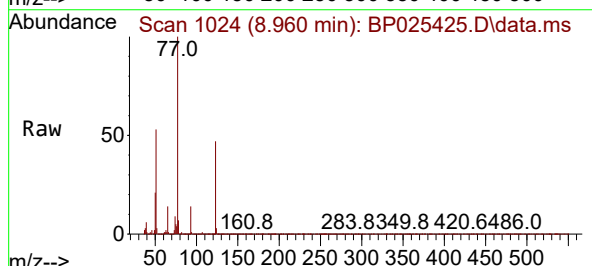
Tgt Ion: 77 Resp: 529804

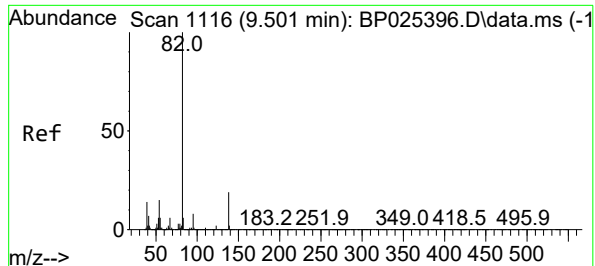
Ion Ratio Lower Upper

77 100

123 47.1 38.6 58.0

65 14.2 10.6 15.8





#25

Isophorone

Concen: 41.739 ng

RT: 9.489 min Scan# 1114

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

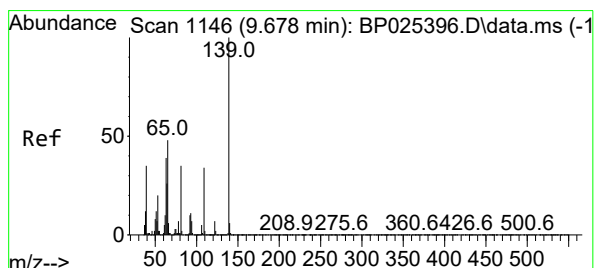
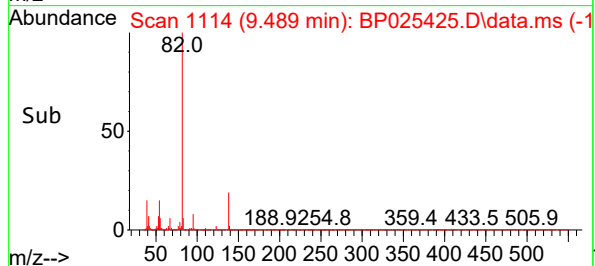
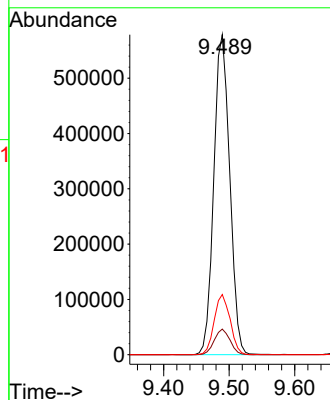
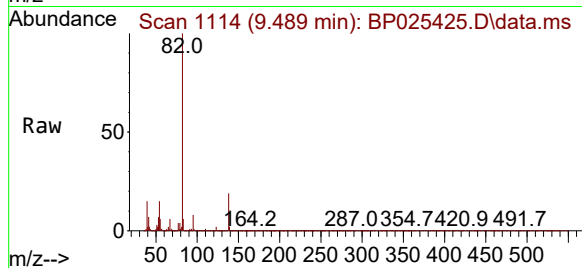
Tgt Ion: 82 Resp: 973615

Ion Ratio Lower Upper

82 100

95 8.0 6.4 9.6

138 18.8 15.4 23.0



#26

2-Nitrophenol

Concen: 44.509 ng

RT: 9.666 min Scan# 1144

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

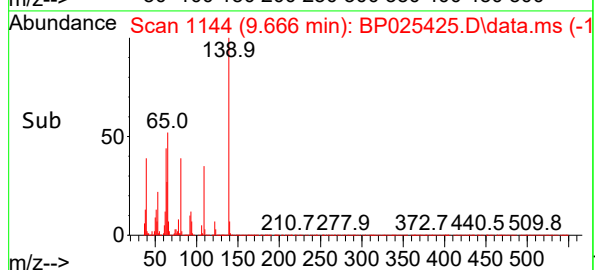
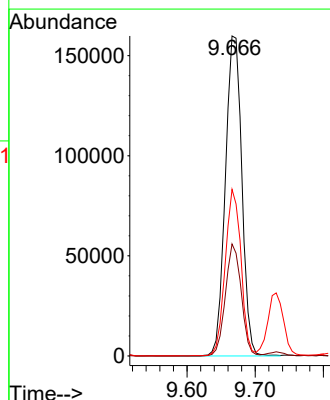
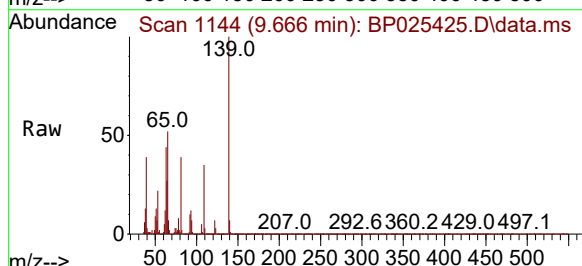
Tgt Ion: 139 Resp: 269071

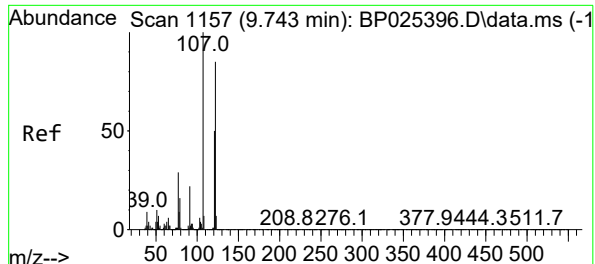
Ion Ratio Lower Upper

139 100

109 35.0 26.9 40.3

65 52.0 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 45.278 ng

RT: 9.731 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

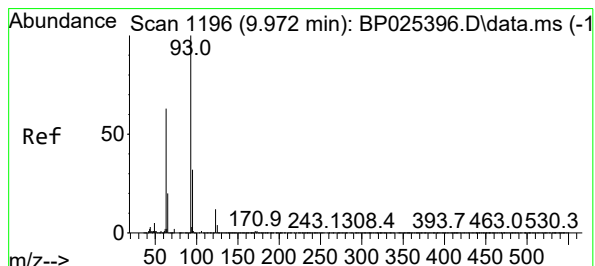
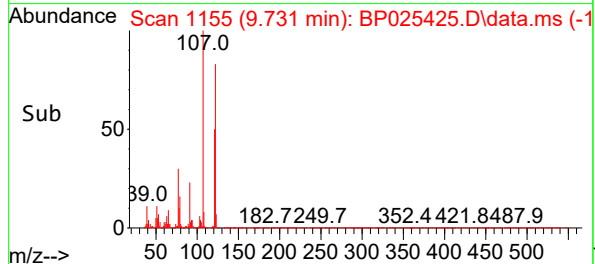
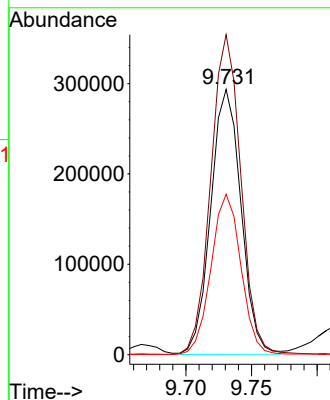
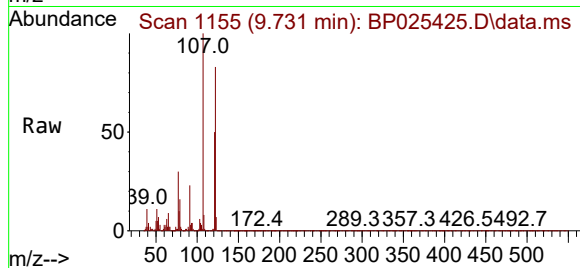
Tgt Ion:122 Resp: 470718

Ion Ratio Lower Upper

122 100

107 120.6 93.7 140.5

121 60.5 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 42.754 ng

RT: 9.960 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

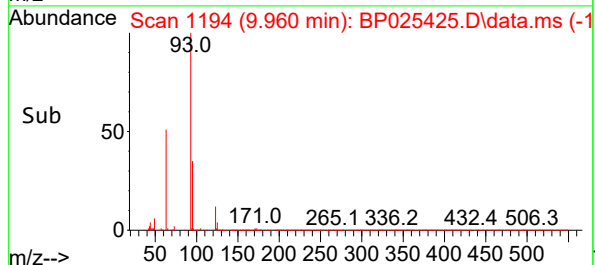
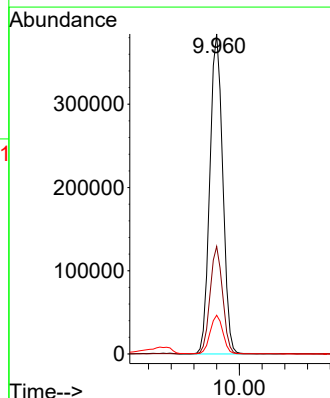
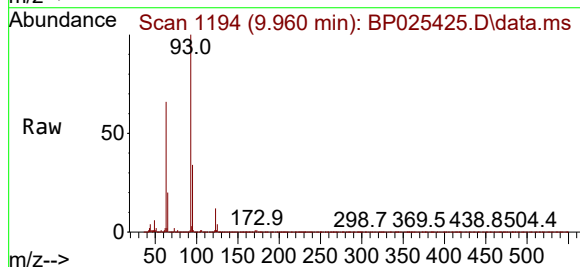
Tgt Ion: 93 Resp: 602831

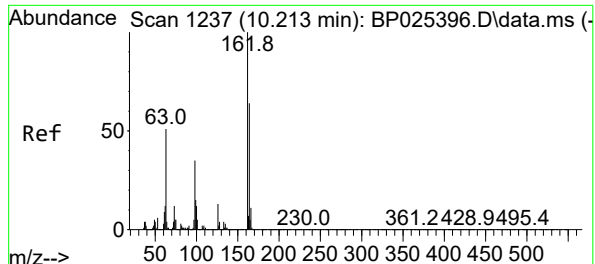
Ion Ratio Lower Upper

93 100

95 33.6 25.4 38.0

123 12.1 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 45.804 ng

RT: 10.201 min Scan# 1235

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

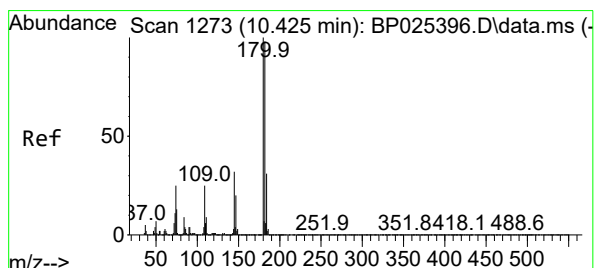
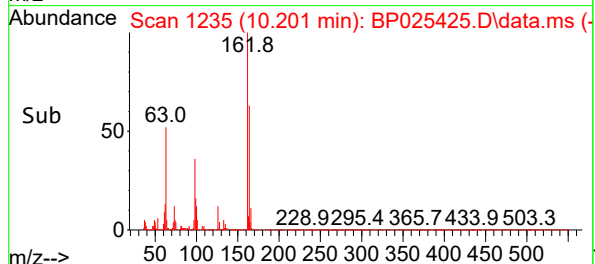
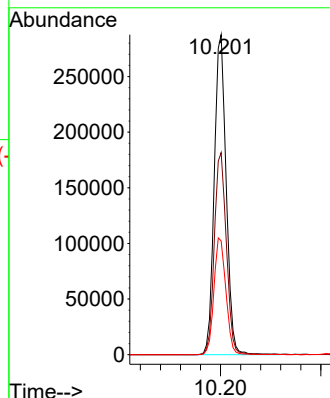
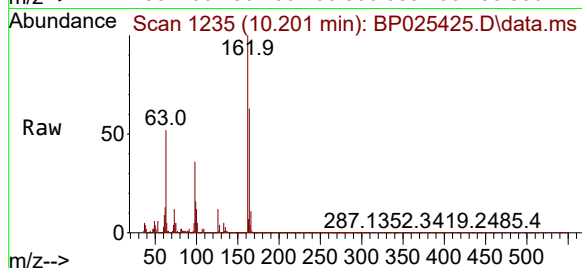
Tgt Ion:162 Resp: 473045

Ion Ratio Lower Upper

162 100

164 63.1 44.4 84.4

98 35.6 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 42.694 ng

RT: 10.419 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

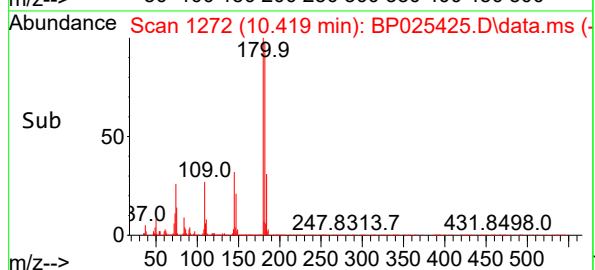
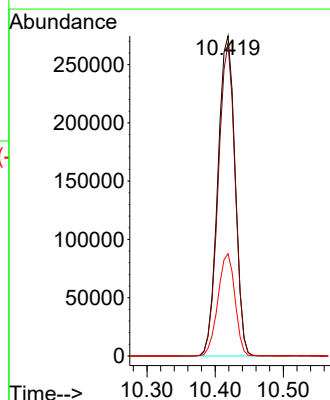
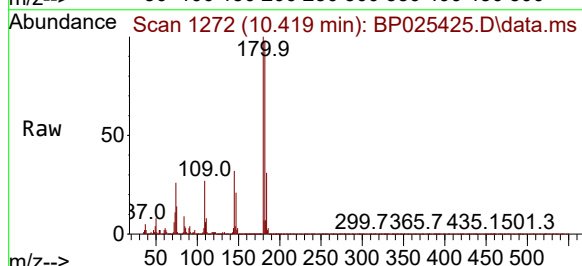
Tgt Ion:180 Resp: 483350

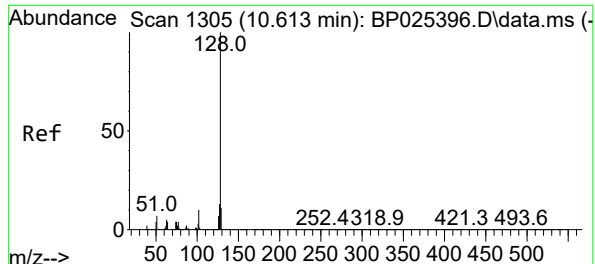
Ion Ratio Lower Upper

180 100

182 97.6 78.0 117.0

145 31.9 25.9 38.9





#31

Naphthalene

Concen: 43.131 ng

RT: 10.601 min Scan# 111

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

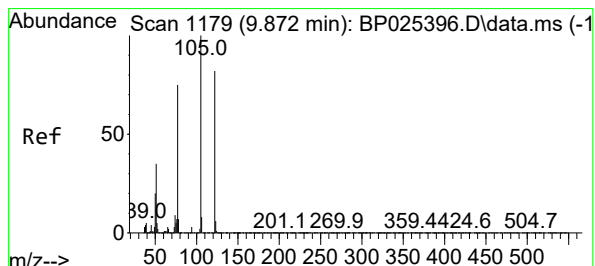
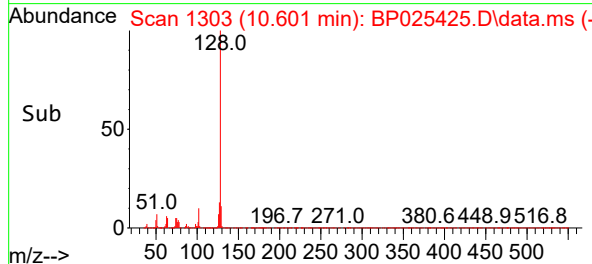
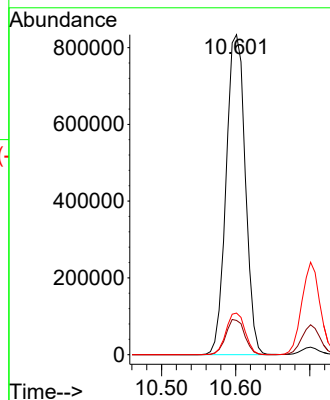
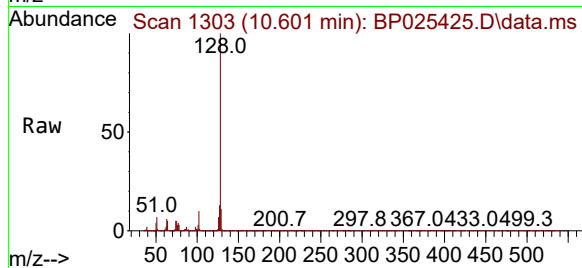
Tgt Ion:128 Resp: 1494676

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

127 13.0 10.7 16.1



#32

Benzoic acid

Concen: 47.195 ng

RT: 9.872 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

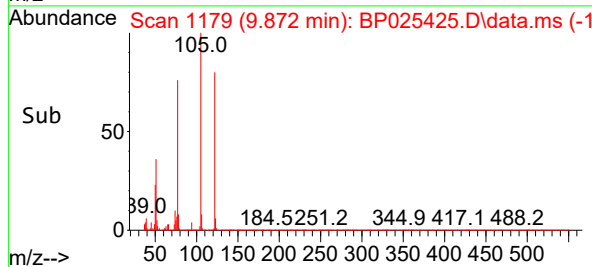
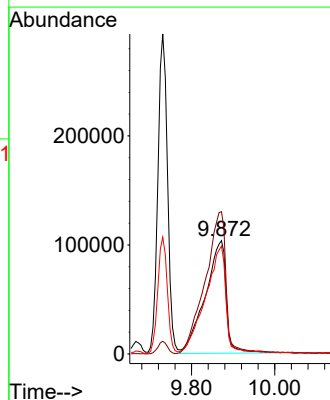
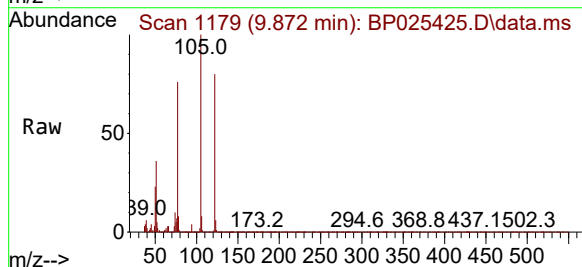
Tgt Ion:122 Resp: 362237

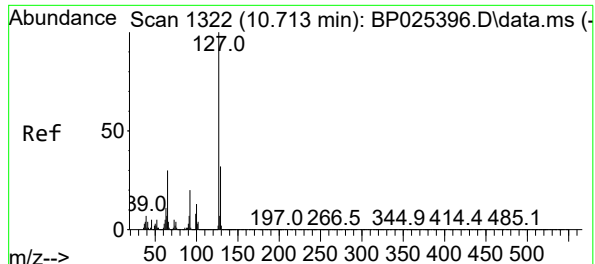
Ion Ratio Lower Upper

122 100

105 125.6 100.6 140.6

77 95.2 71.5 111.5

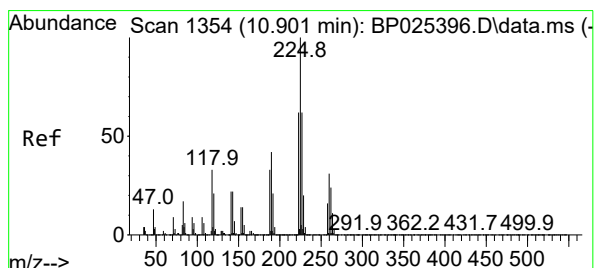
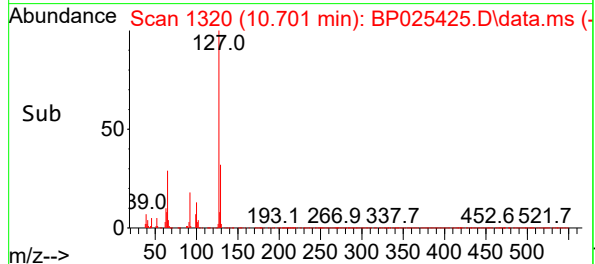
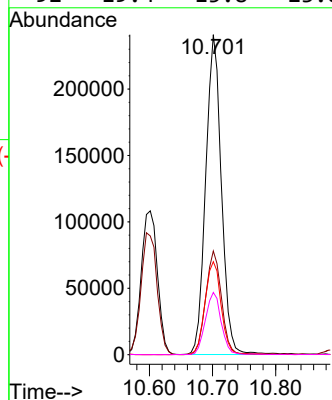
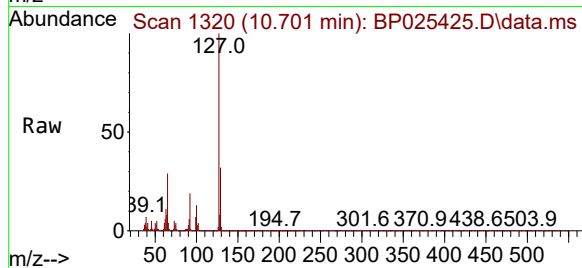




#33
4-Chloroaniline
Concen: 27.153 ng
RT: 10.701 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

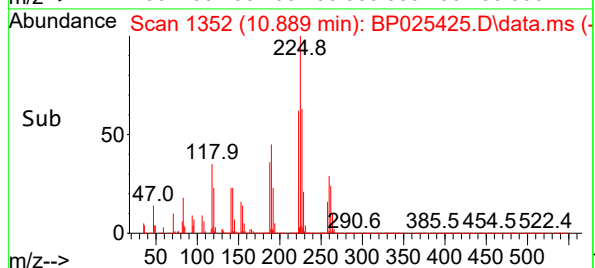
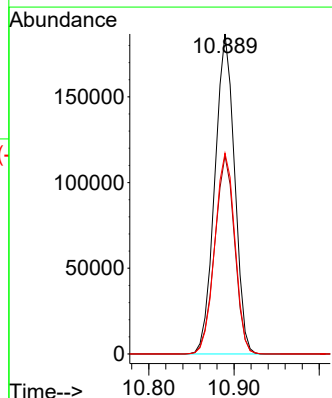
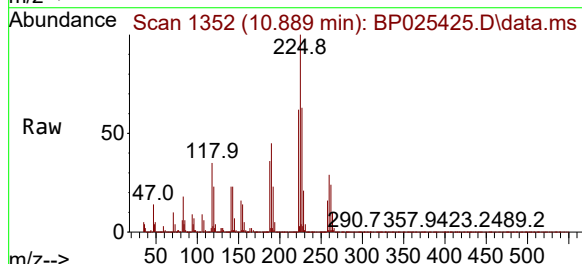
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

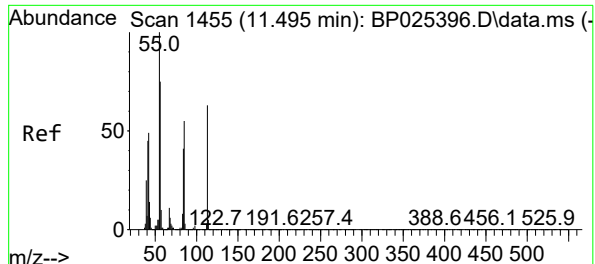
Tgt Ion:	127	Resp:	415649
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.4	38.2
65	29.1	23.8	35.6
92	19.4	15.8	23.8



#34
Hexachlorobutadiene
Concen: 42.594 ng
RT: 10.889 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:	225	Resp:	300315
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.0	75.0
227	62.7	49.7	74.5





#35

Caprolactam

Concen: 43.898 ng

RT: 11.483 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

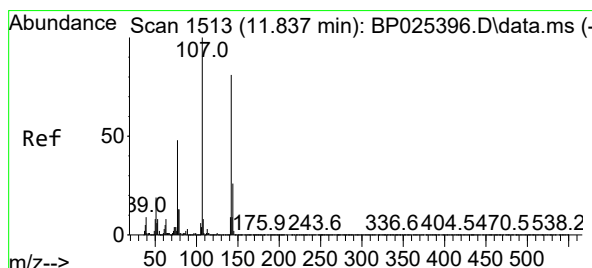
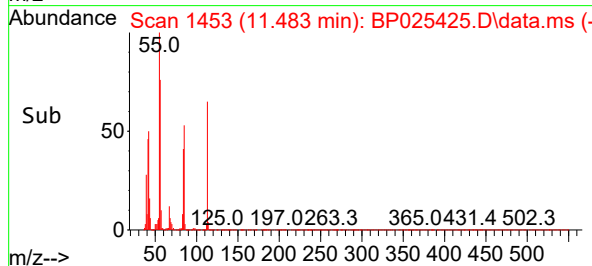
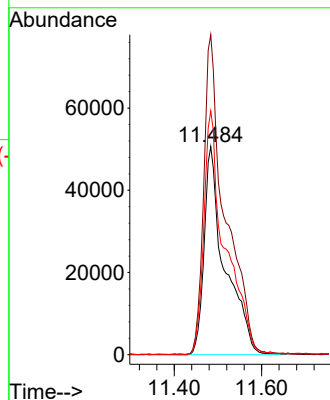
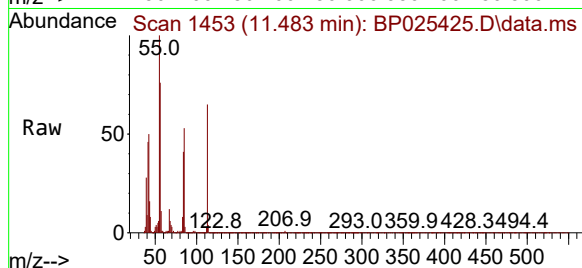
Tgt Ion:113 Resp: 166236

Ion Ratio Lower Upper

113 100

55 153.8 140.0 180.0

56 117.1 100.0 140.0



#36

4-Chloro-3-methylphenol

Concen: 44.558 ng

RT: 11.831 min Scan# 1512

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

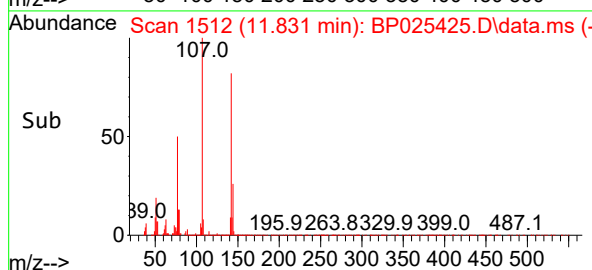
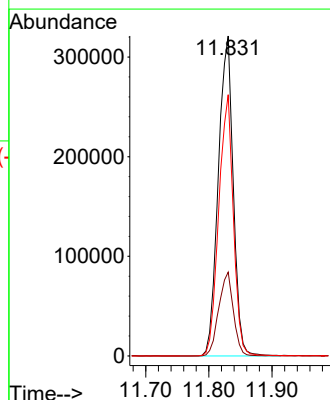
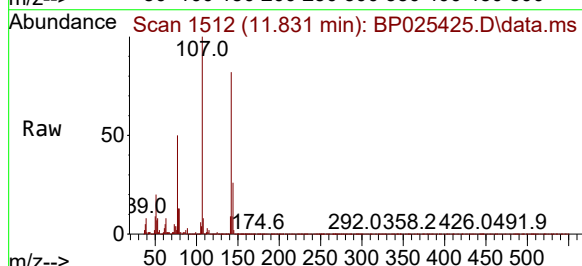
Tgt Ion:107 Resp: 528039

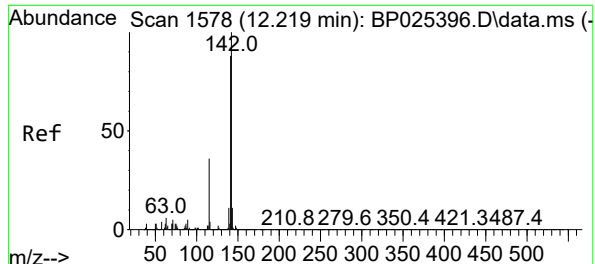
Ion Ratio Lower Upper

107 100

144 26.2 21.0 31.4

142 81.6 64.6 97.0





#37

2-Methylnaphthalene

Concen: 42.828 ng

RT: 12.207 min Scan# 1576

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

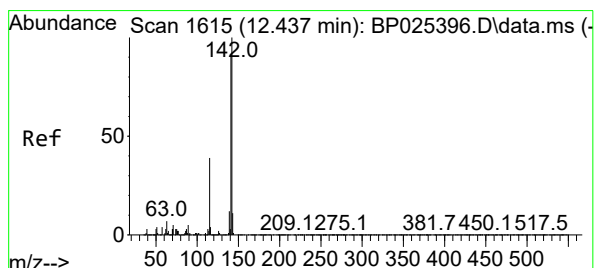
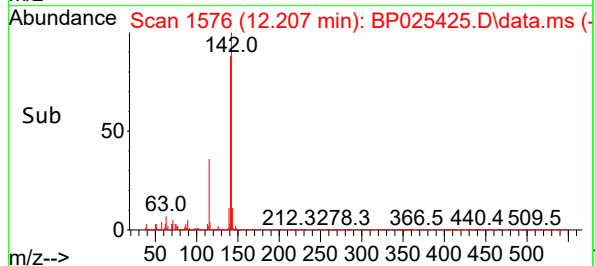
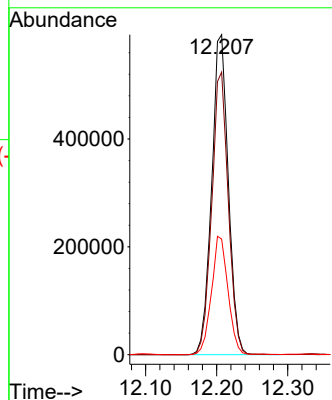
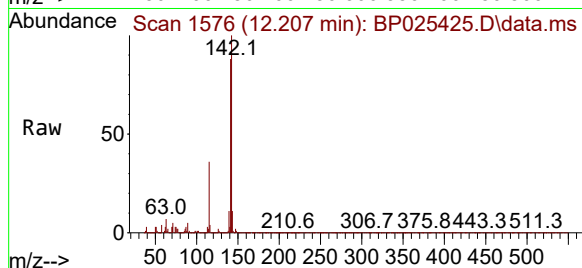
Tgt Ion:142 Resp: 965857

Ion Ratio Lower Upper

142 100

141 88.3 70.3 105.5

115 36.2 28.9 43.3



#38

1-Methylnaphthalene

Concen: 41.322 ng

RT: 12.431 min Scan# 1614

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

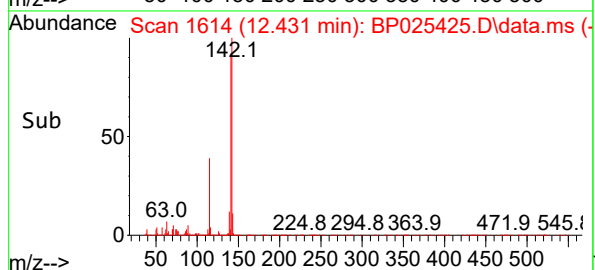
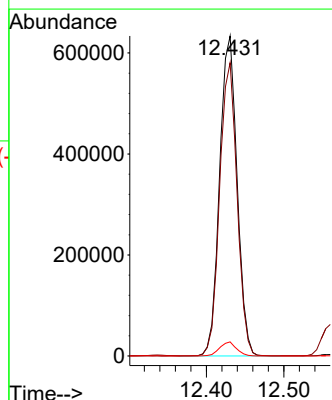
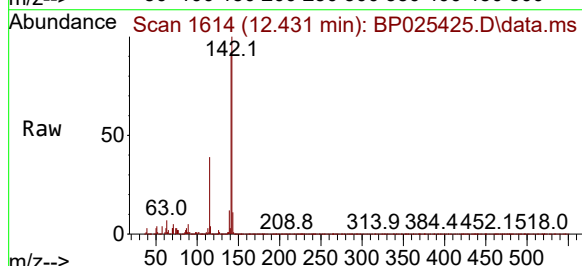
Tgt Ion:142 Resp: 991029

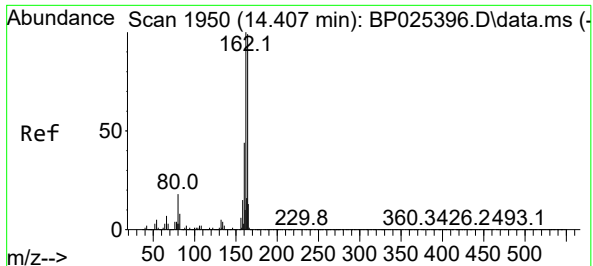
Ion Ratio Lower Upper

142 100

141 91.7 73.1 109.7

116 4.4 3.2 4.8

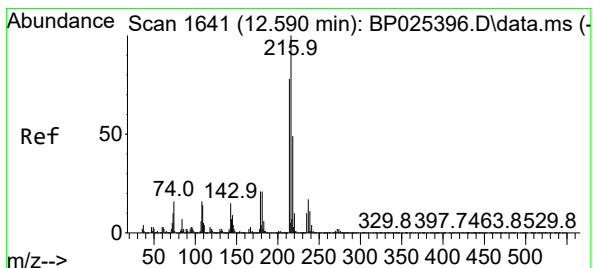
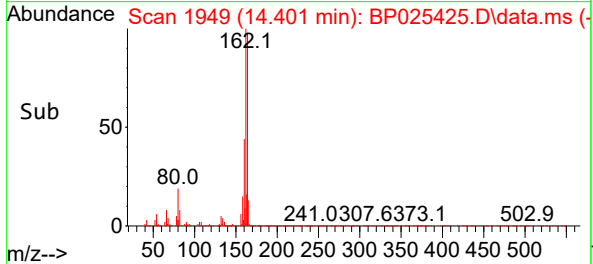
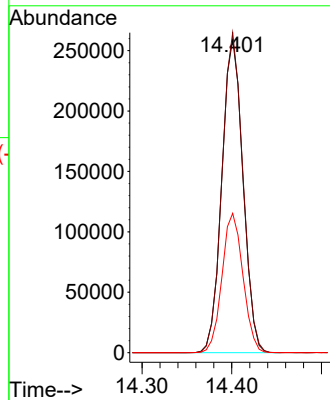
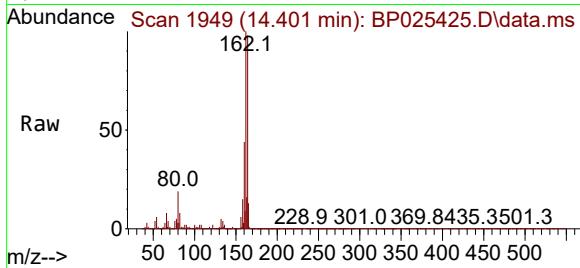




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

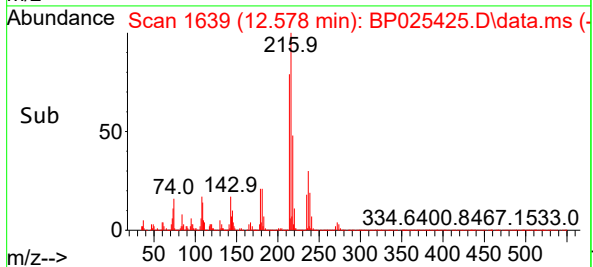
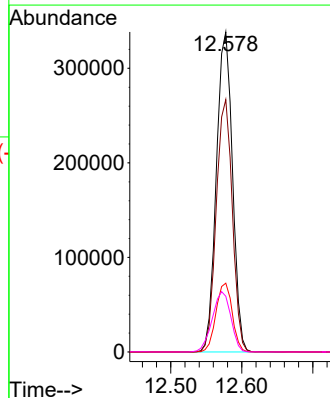
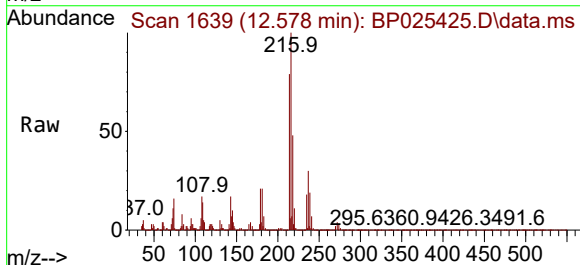
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

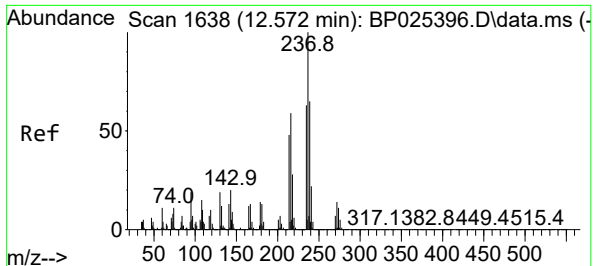
Tgt Ion:164 Resp: 424927
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.6
160 44.4 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.258 ng
RT: 12.578 min Scan# 1639
Delta R.T. -0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:216 Resp: 530873
Ion Ratio Lower Upper
216 100
214 78.9 63.0 94.4
179 21.8 17.1 25.7
108 21.8 14.9 22.3

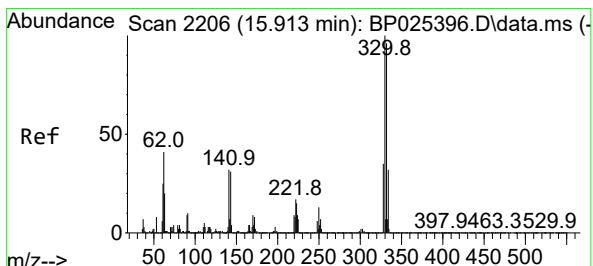
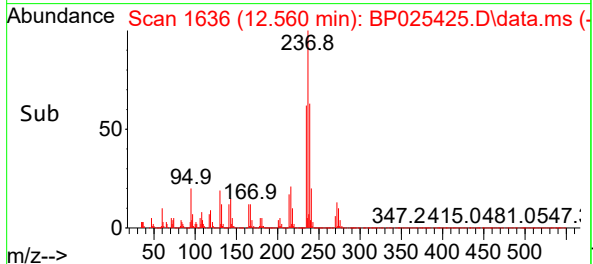
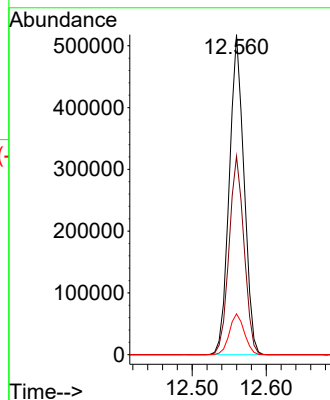
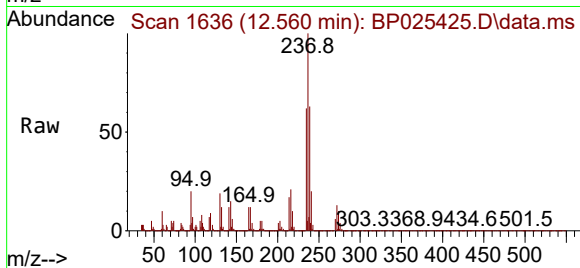




#41
Hexachlorocyclopentadiene
Concen: 96.356 ng
RT: 12.560 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

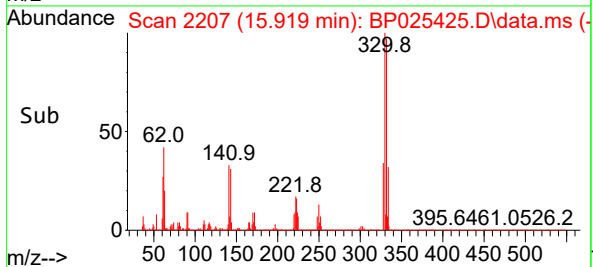
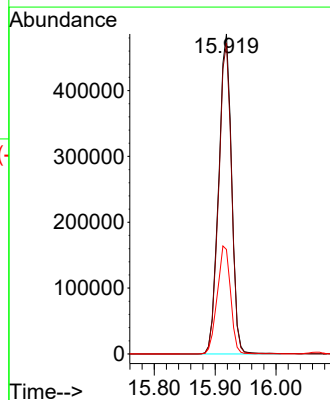
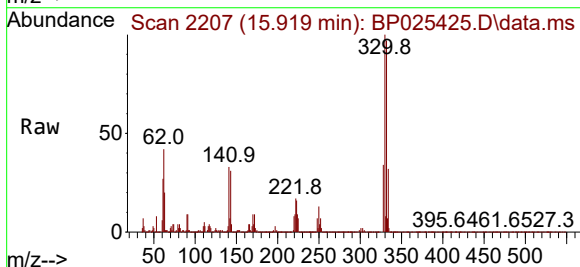
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

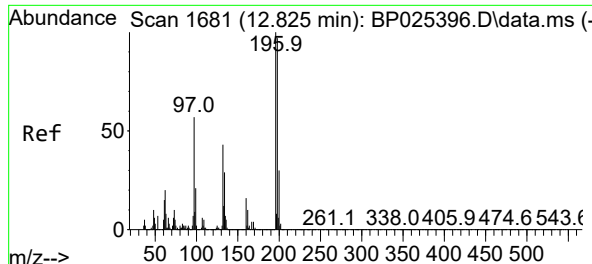
Tgt Ion:237 Resp: 714288
Ion Ratio Lower Upper
237 100
235 62.0 42.7 82.7
272 12.8 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 124.601 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:330 Resp: 712661
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 34.9 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 45.894 ng

RT: 12.819 min Scan# 1680

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

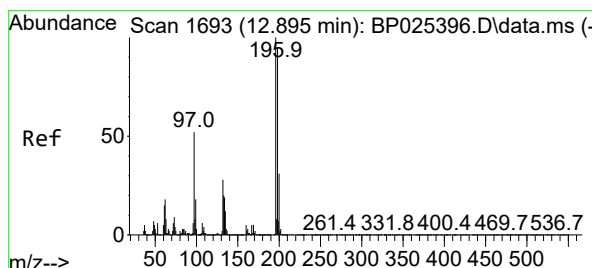
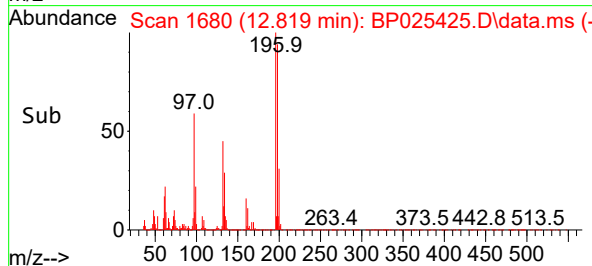
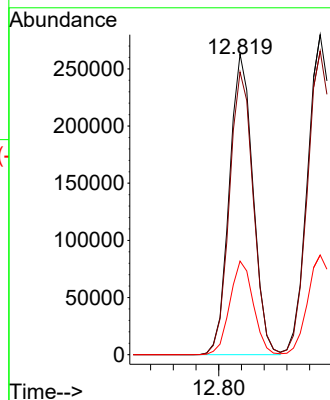
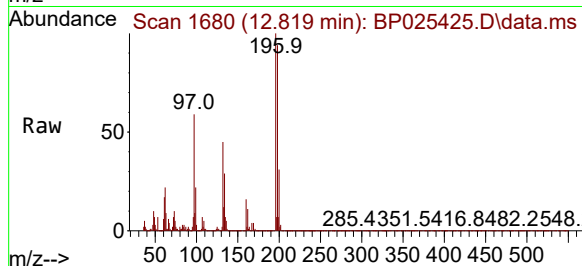
Tgt Ion:196 Resp: 380238

Ion Ratio Lower Upper

196 100

198 94.0 77.2 115.8

200 31.1 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 47.021 ng

RT: 12.889 min Scan# 1692

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Tgt Ion:196 Resp: 426971

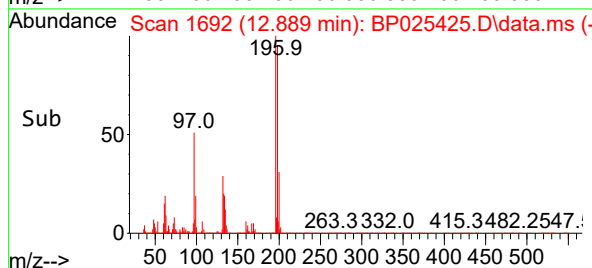
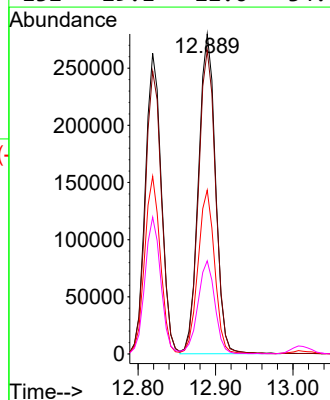
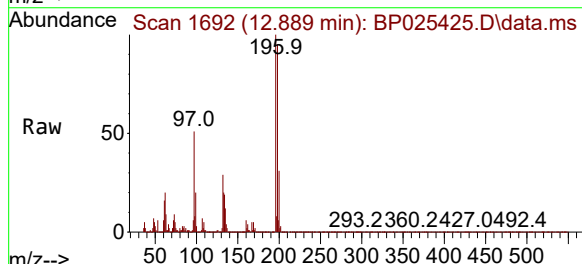
Ion Ratio Lower Upper

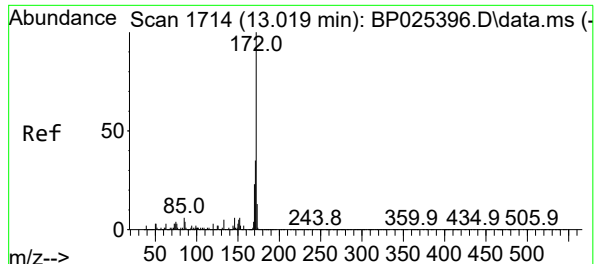
196 100

198 94.9 76.2 114.2

97 51.2 41.2 61.8

132 29.1 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 76.778 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

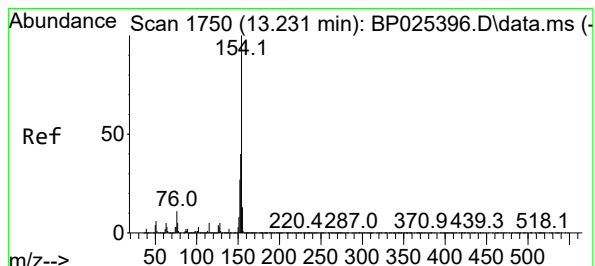
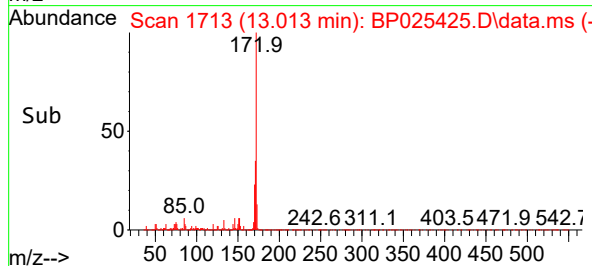
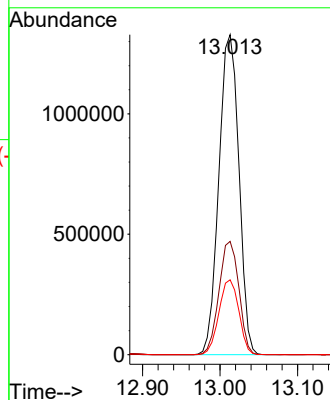
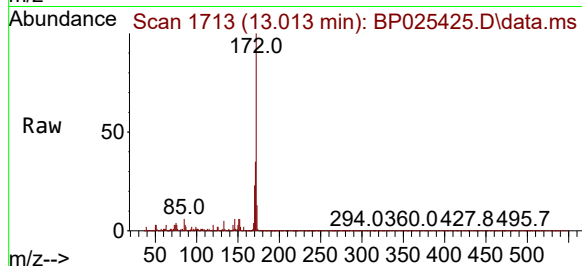
Tgt Ion:172 Resp: 2387172

Ion Ratio Lower Upper

172 100

171 35.4 28.1 42.1

170 23.4 18.6 28.0



#46

1,1'-Biphenyl

Concen: 43.484 ng

RT: 13.225 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

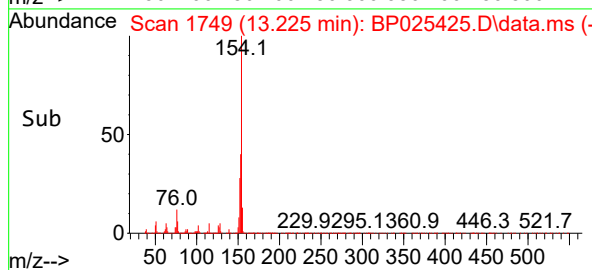
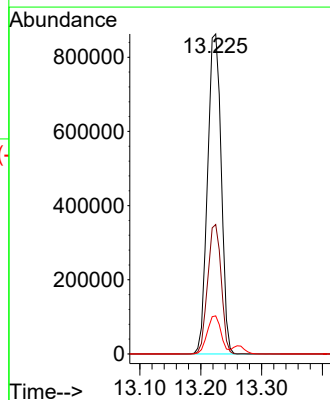
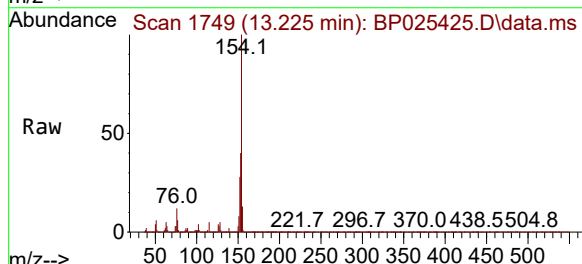
Tgt Ion:154 Resp: 1341958

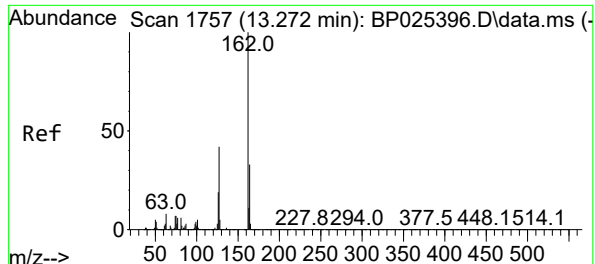
Ion Ratio Lower Upper

154 100

153 40.4 19.5 59.5

76 11.9 0.0 31.1





#47

2-Chloronaphthalene

Concen: 43.506 ng

RT: 13.260 min Scan# 1755

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

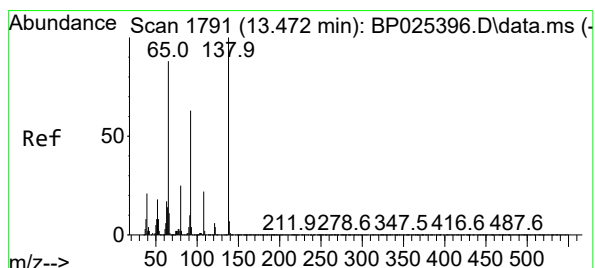
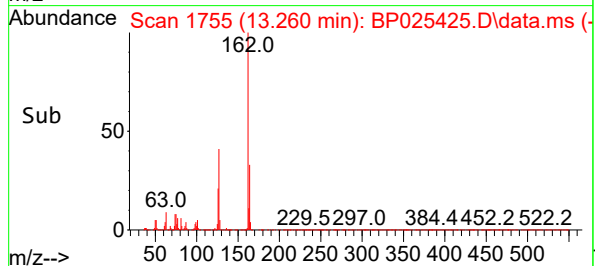
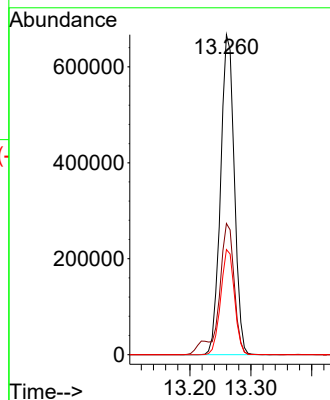
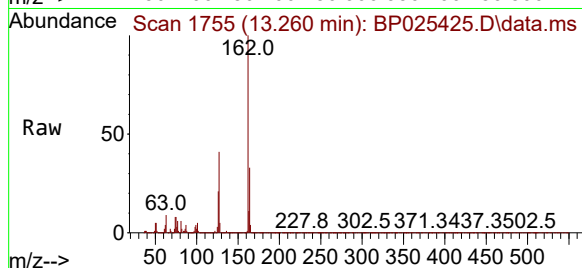
Tgt Ion:162 Resp: 1045208

Ion Ratio Lower Upper

162 100

127 41.0 33.4 50.2

164 32.8 26.2 39.2



#48

2-Nitroaniline

Concen: 47.491 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

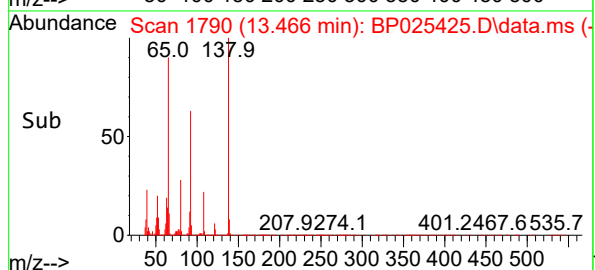
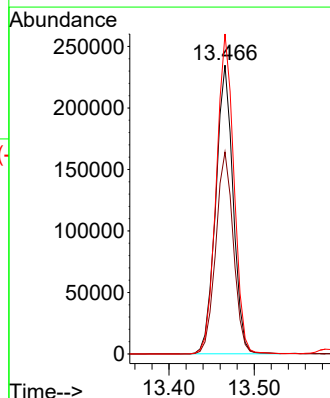
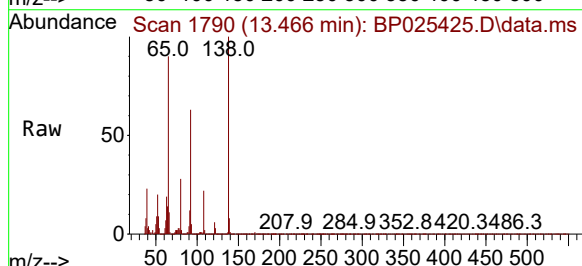
Tgt Ion: 65 Resp: 332445

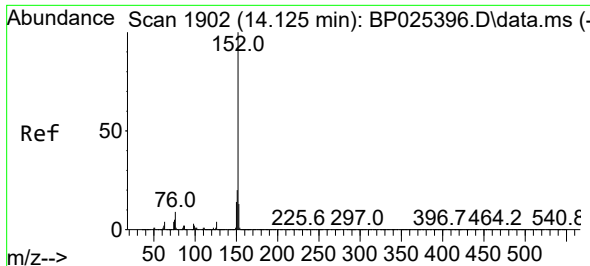
Ion Ratio Lower Upper

65 100

92 69.9 57.6 86.4

138 110.8 91.0 136.6

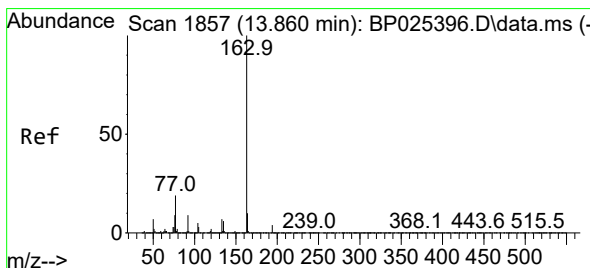
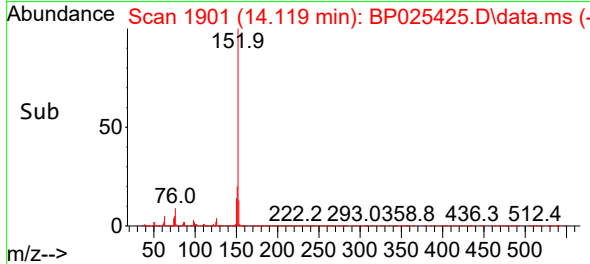
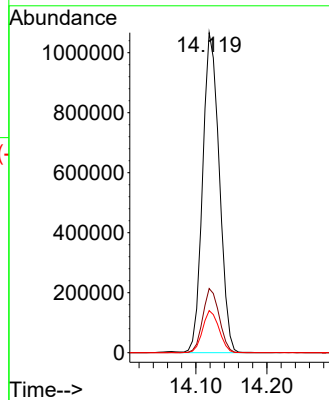
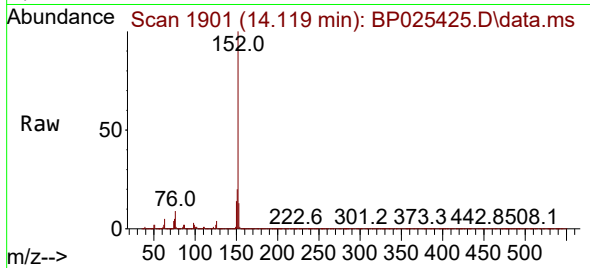




#49
Acenaphthylene
Concen: 43.679 ng
RT: 14.119 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

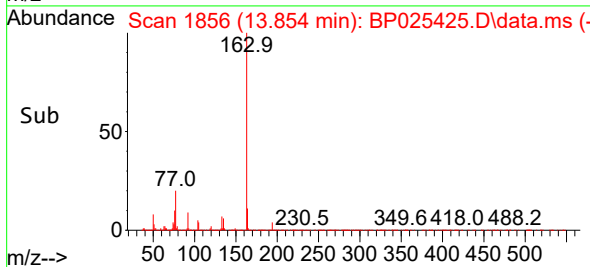
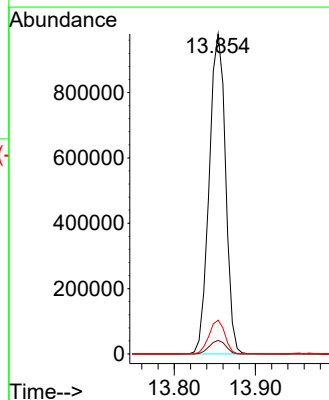
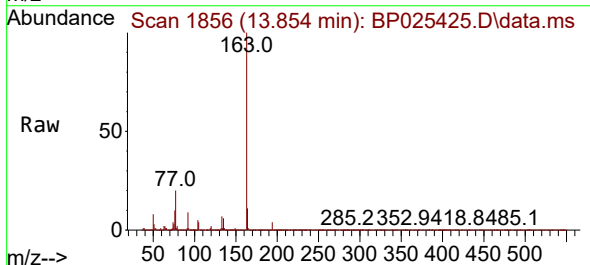
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

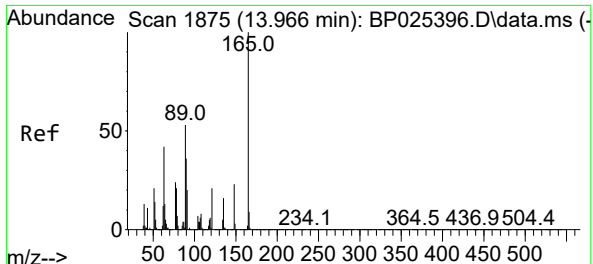
Tgt Ion:152 Resp: 1736412
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 43.854 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:163 Resp: 1364594
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 10.6 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 46.547 ng

RT: 13.960 min Scan# 1875

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

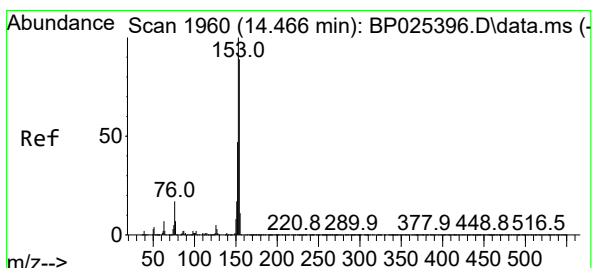
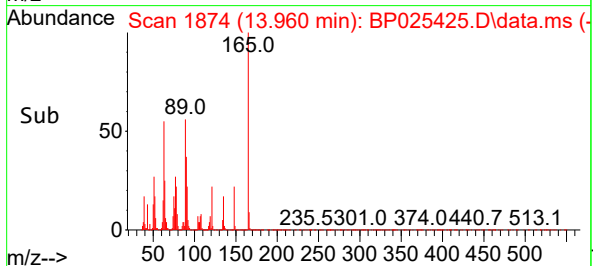
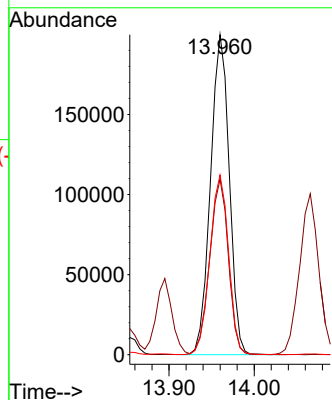
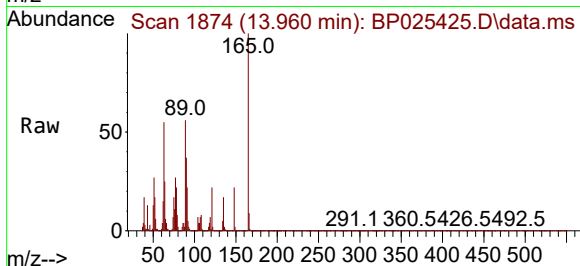
Tgt Ion:165 Resp: 305278

Ion Ratio Lower Upper

165 100

63 54.9 40.9 61.3

89 56.1 42.1 63.1



#52

Acenaphthene

Concen: 44.318 ng

RT: 14.472 min Scan# 1961

Delta R.T. 0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

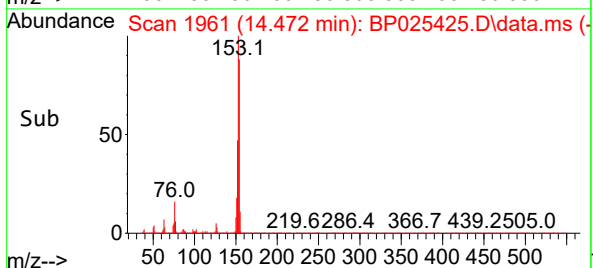
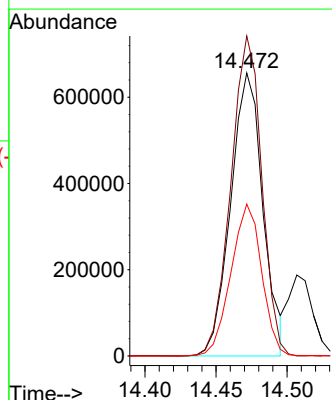
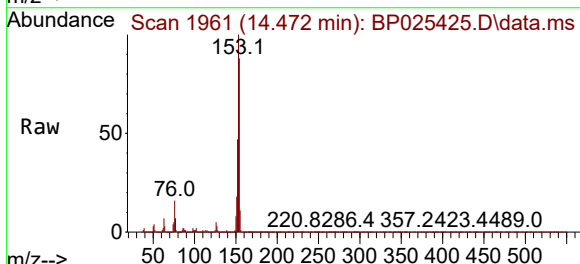
Tgt Ion:154 Resp: 1034163

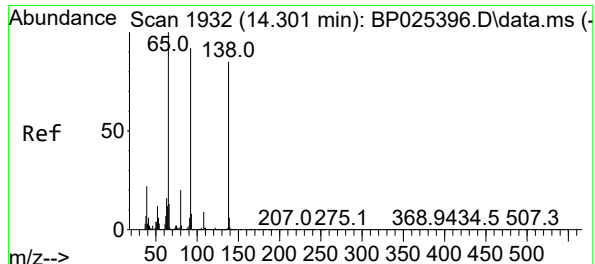
Ion Ratio Lower Upper

154 100

153 113.0 90.2 135.2

152 53.7 42.1 63.1





#53

3-Nitroaniline

Concen: 33.442 ng

RT: 14.295 min Scan# 1931

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

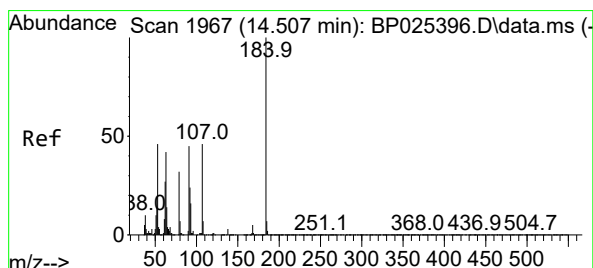
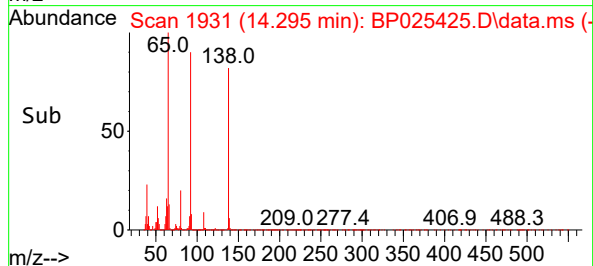
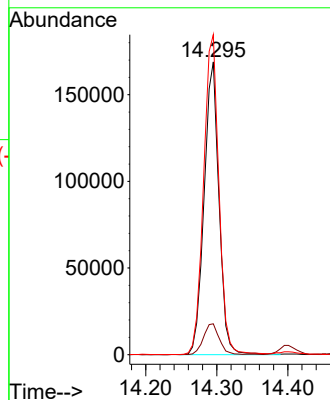
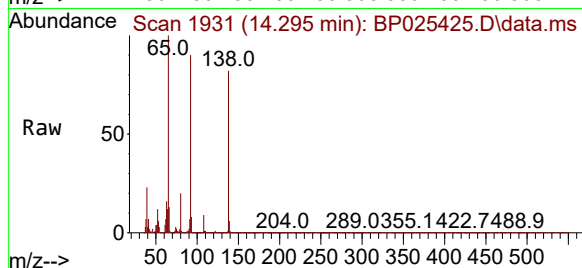
Tgt Ion:138 Resp: 246772

Ion Ratio Lower Upper

138 100

108 10.6 8.3 12.5

92 109.3 86.2 129.2



#54

2,4-Dinitrophenol

Concen: 108.068 ng

RT: 14.507 min Scan# 1967

Delta R.T. -0.000 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

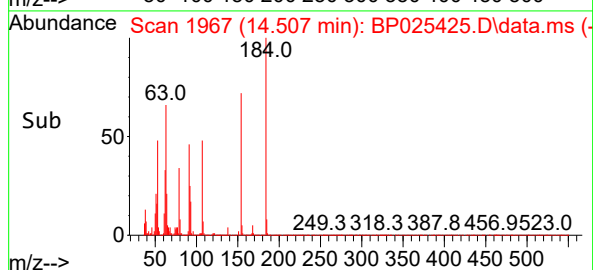
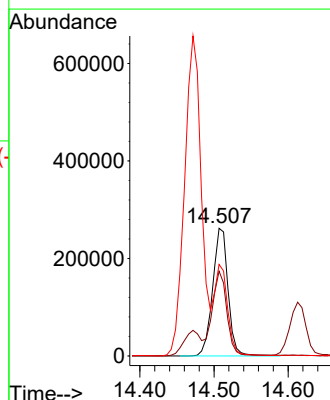
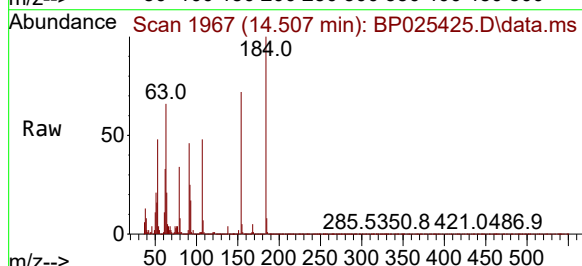
Tgt Ion:184 Resp: 378502

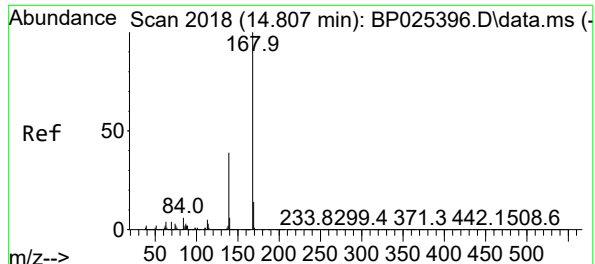
Ion Ratio Lower Upper

184 100

63 66.4 49.4 74.2

154 71.6 54.6 82.0





#55

Dibenzofuran

Concen: 42.921 ng

RT: 14.807 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

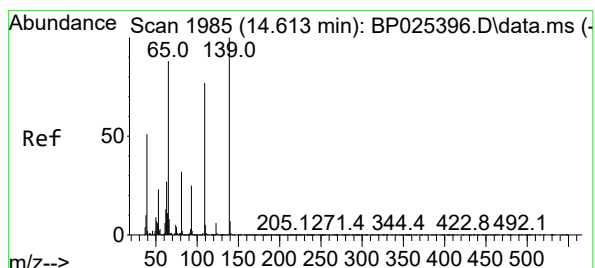
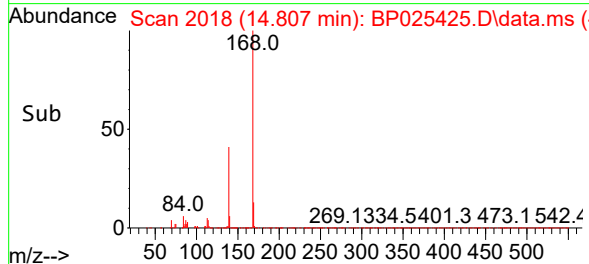
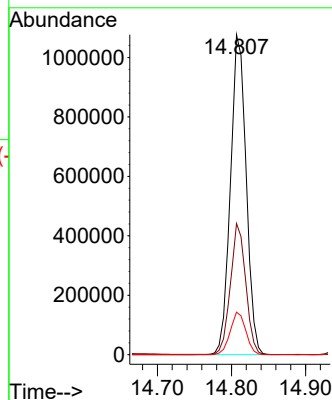
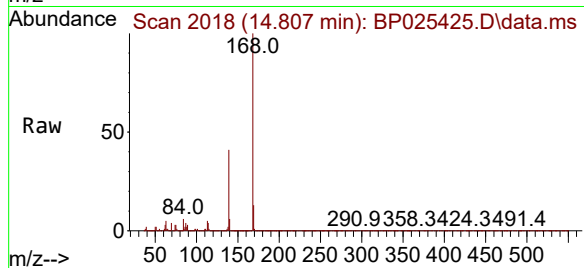
Tgt Ion:168 Resp: 1583459

Ion Ratio Lower Upper

168 100

139 41.0 31.5 47.3

169 13.3 10.9 16.3



#56

4-Nitrophenol

Concen: 95.340 ng

RT: 14.613 min Scan# 1985

Delta R.T. -0.000 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

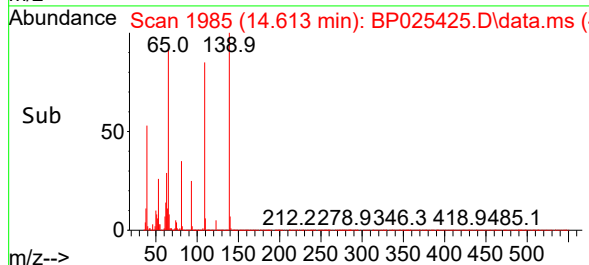
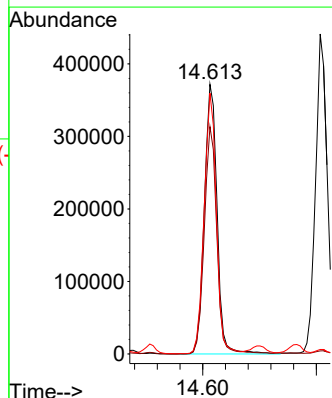
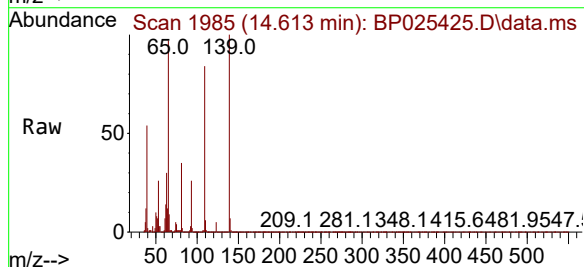
Tgt Ion:139 Resp: 578099

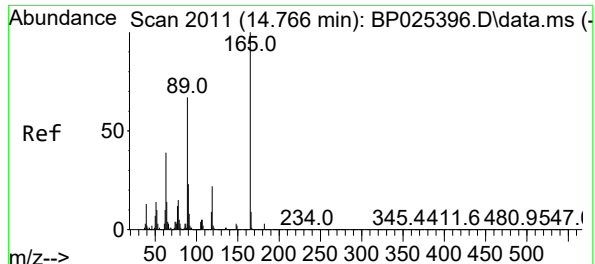
Ion Ratio Lower Upper

139 100

109 84.3 56.6 96.6

65 96.7 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 47.730 ng

RT: 14.766 min Scan# 2011

Delta R.T. -0.000 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

Tgt Ion:165 Resp: 446631

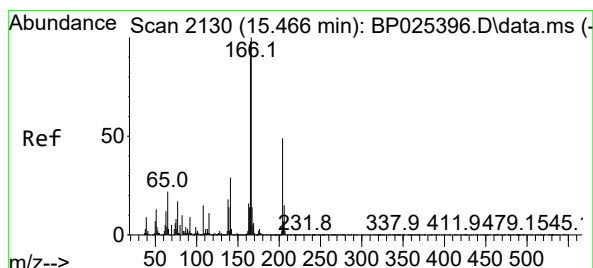
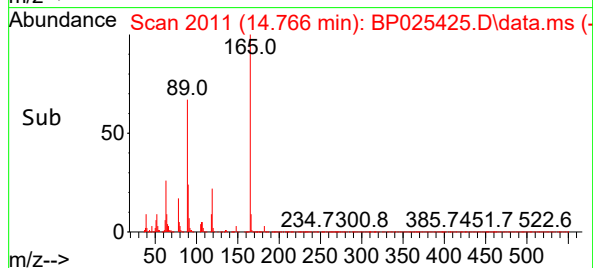
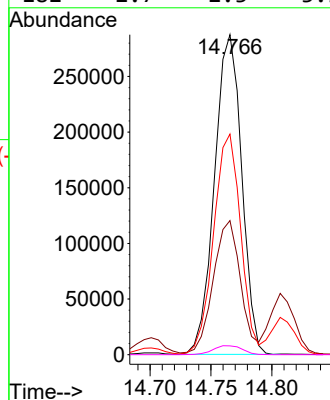
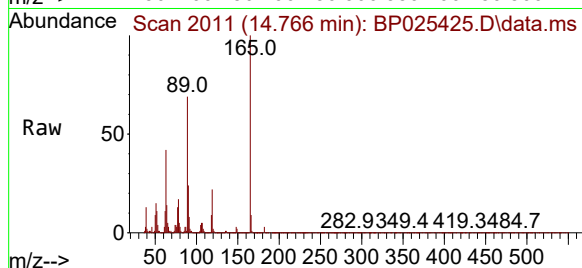
Ion Ratio Lower Upper

165 100

63 41.9 31.4 47.2

89 68.9 53.3 79.9

182 2.7 2.3 3.5



#58

Fluorene

Concen: 42.998 ng

RT: 15.466 min Scan# 2130

Delta R.T. -0.000 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

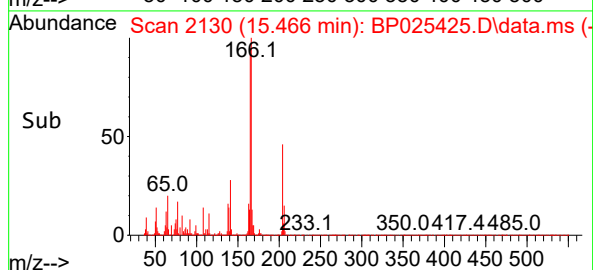
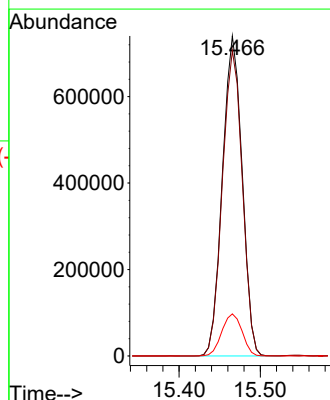
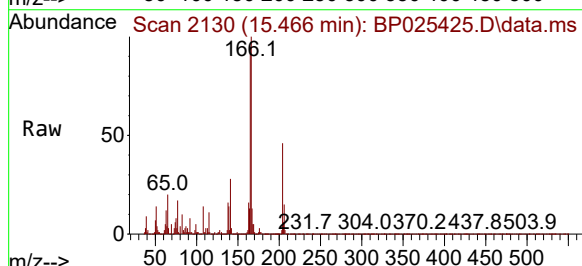
Tgt Ion:166 Resp: 1251709

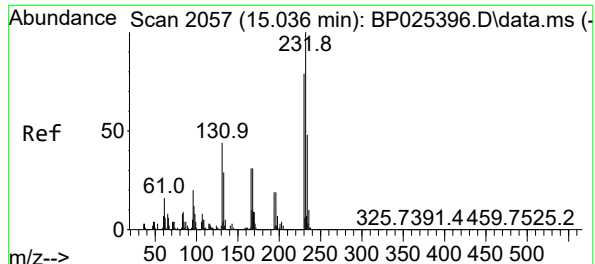
Ion Ratio Lower Upper

166 100

165 95.4 78.8 118.2

167 13.2 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 46.009 ng

RT: 15.030 min Scan# 2057

Delta R.T. -0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

Tgt Ion:232 Resp: 368890

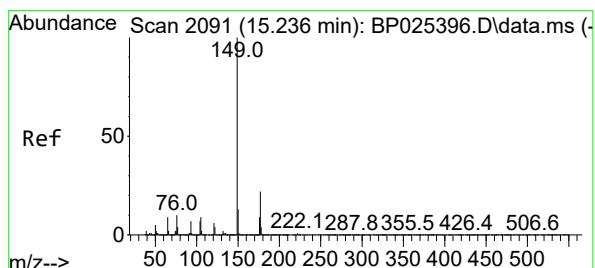
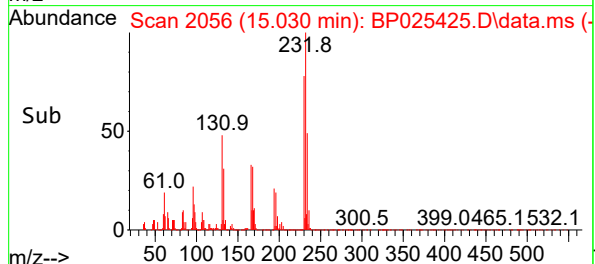
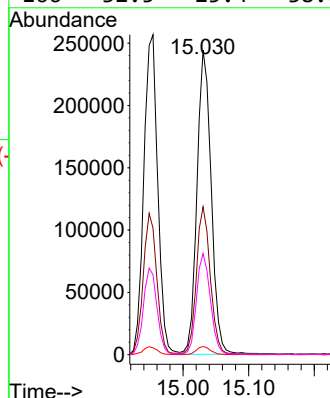
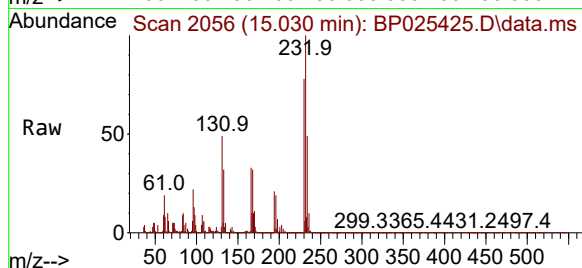
Ion Ratio Lower Upper

232 100

131 47.3 37.0 55.6

130 2.7 1.9 2.9

166 32.5 25.4 38.0



#60

Diethylphthalate

Concen: 44.210 ng

RT: 15.242 min Scan# 2092

Delta R.T. 0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

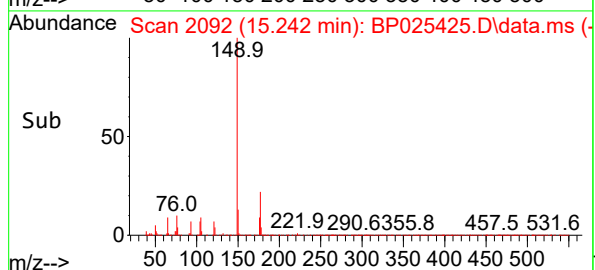
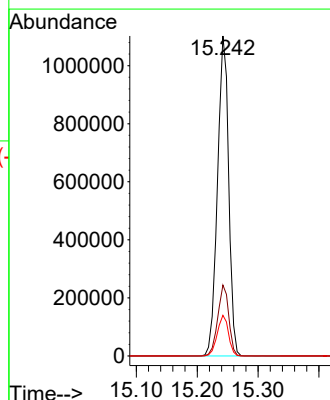
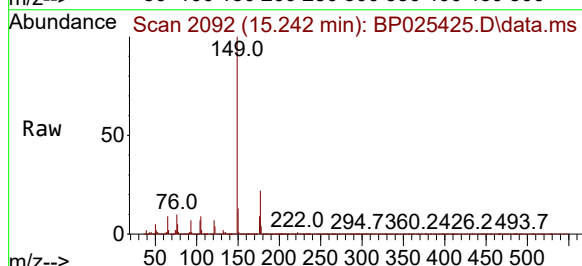
Tgt Ion:149 Resp: 1397834

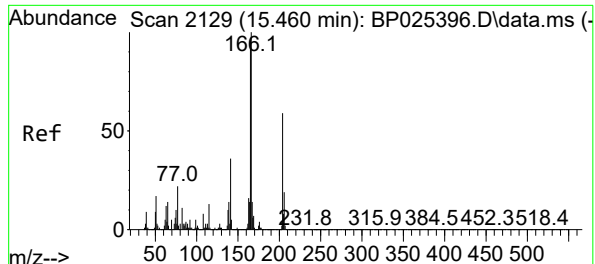
Ion Ratio Lower Upper

149 100

177 22.2 17.3 25.9

150 12.7 10.3 15.5

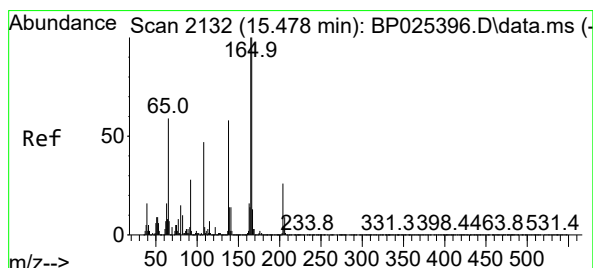
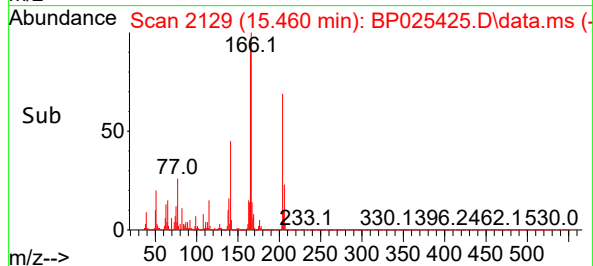
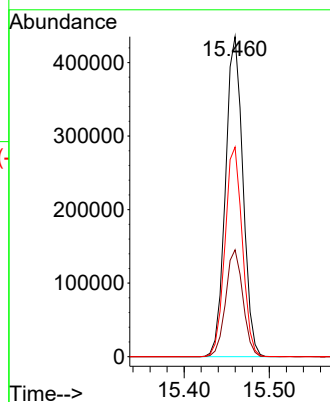
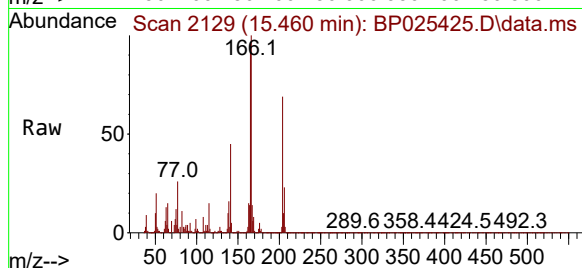




#61
4-Chlorophenyl-phenylether
Concen: 42.656 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

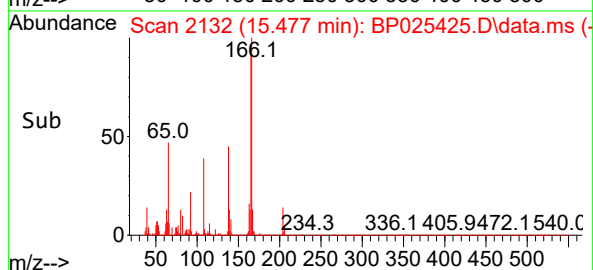
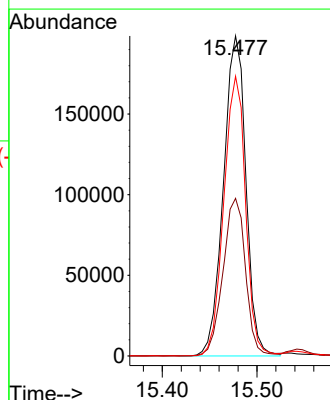
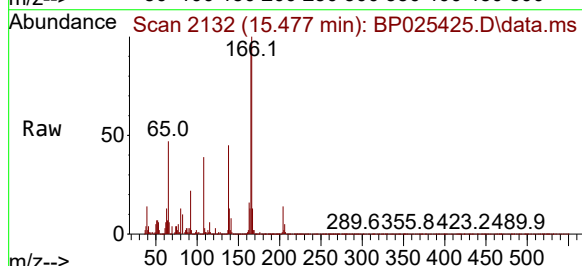
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

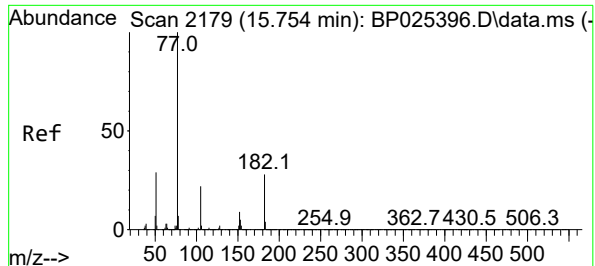
Tgt Ion:204 Resp: 617566
Ion Ratio Lower Upper
204 100
206 33.4 25.8 38.8
141 65.5 49.4 74.2



#62
4-Nitroaniline
Concen: 43.331 ng
RT: 15.477 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

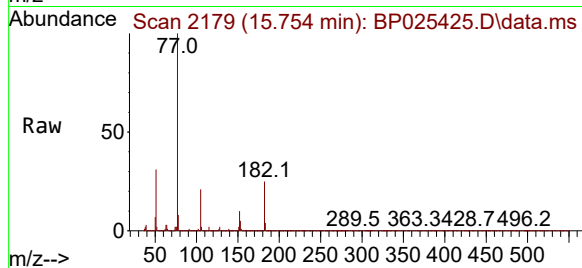
Tgt Ion:138 Resp: 327789
Ion Ratio Lower Upper
138 100
92 49.2 29.1 69.1
108 87.4 61.5 101.5



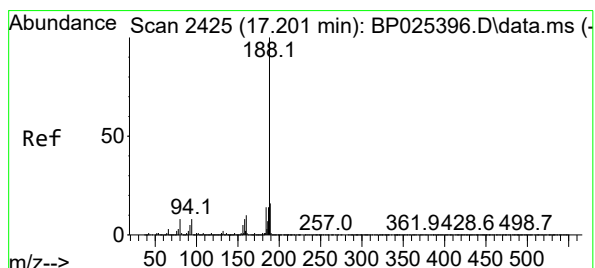
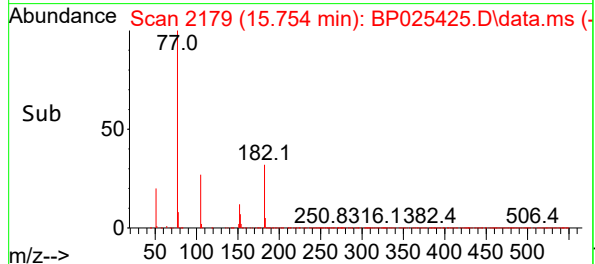
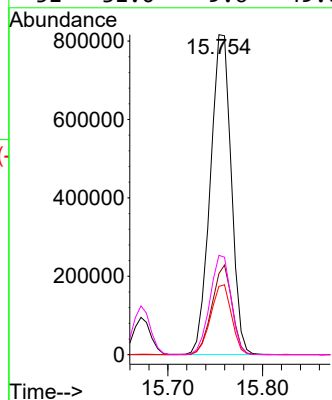


#63
Azobenzene
Concen: 46.193 ng
RT: 15.754 min Scan# 2179
Delta R.T. -0.000 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Instrument :
BNA_P
ClientSampleId :
PB169230BSD

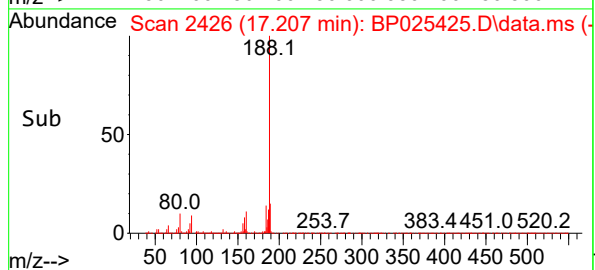
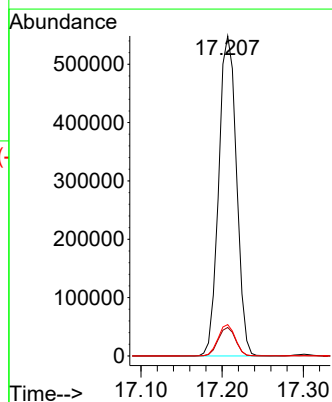
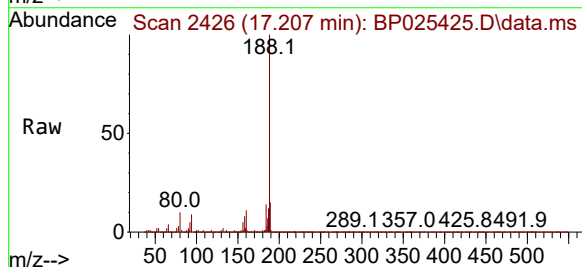


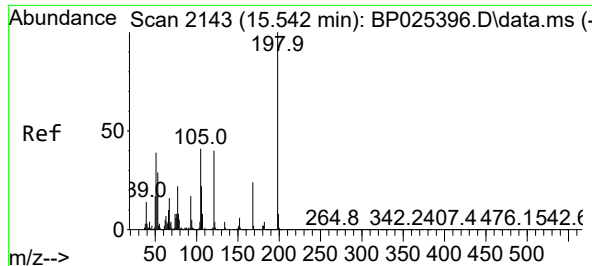
Tgt Ion: 77 Resp: 1250604
Ion Ratio Lower Upper
77 100
182 25.3 7.5 47.5
105 21.3 2.1 42.1
51 31.0 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion: 188 Resp: 837407
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.8 6.7 10.1

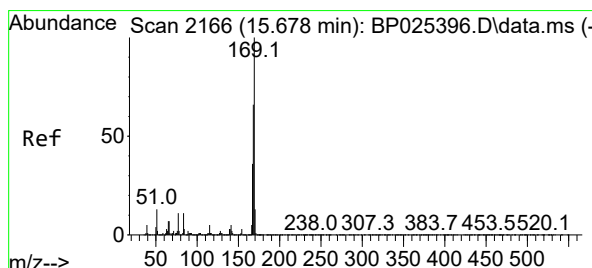
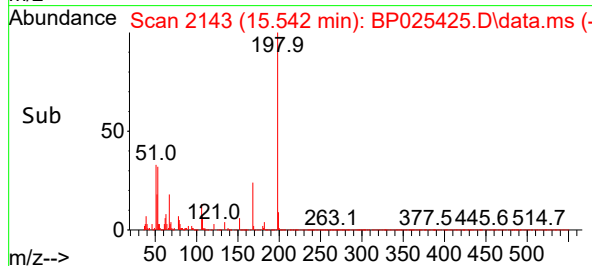
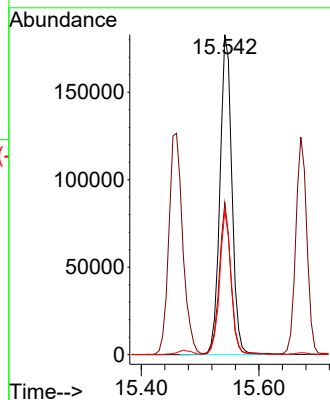
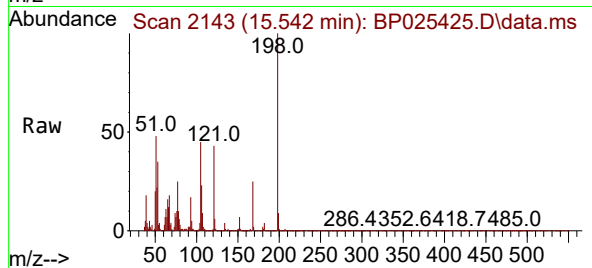




#65
4,6-Dinitro-2-methylphenol
Concen: 49.550 ng
RT: 15.542 min Scan# 2143
Delta R.T. -0.000 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

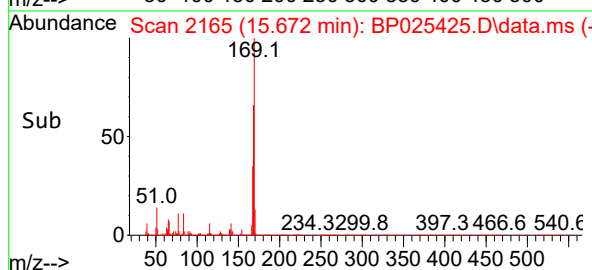
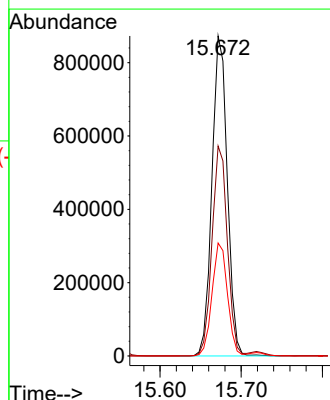
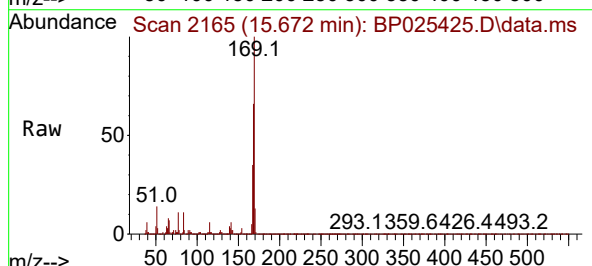
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

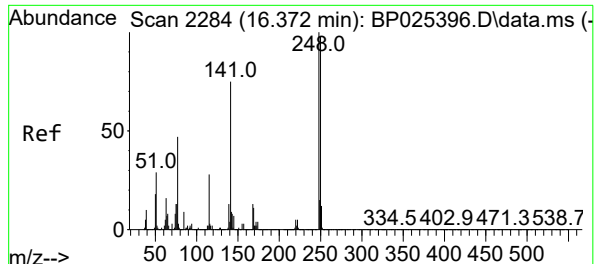
Tgt Ion:198 Resp: 258648
Ion Ratio Lower Upper
198 100
51 47.5 19.6 59.6
105 45.0 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 44.808 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:169 Resp: 1144220
Ion Ratio Lower Upper
169 100
168 65.6 53.2 79.8
167 35.3 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 44.726 ng

RT: 16.371 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

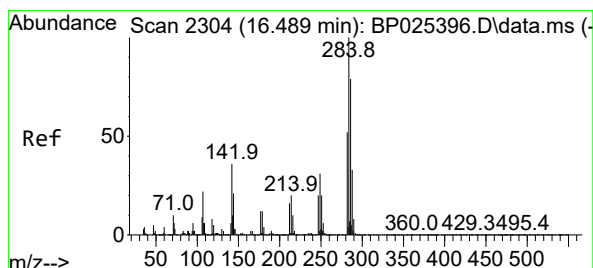
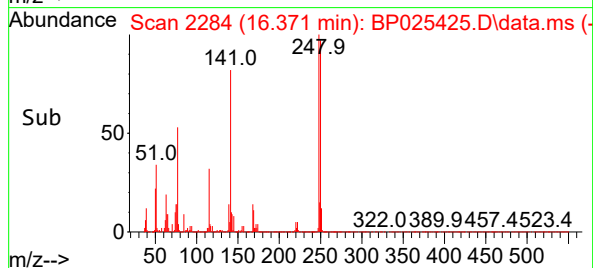
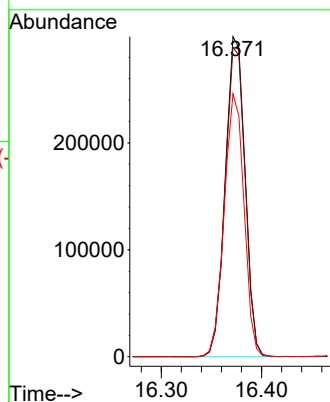
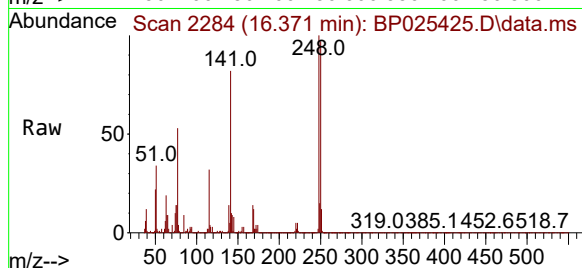
Tgt Ion:248 Resp: 411920

Ion Ratio Lower Upper

248 100

250 96.7 78.2 117.2

141 82.2 59.6 89.4



#68

Hexachlorobenzene

Concen: 44.542 ng

RT: 16.489 min Scan# 2304

Delta R.T. -0.000 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

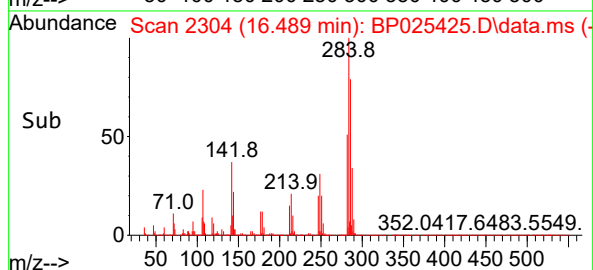
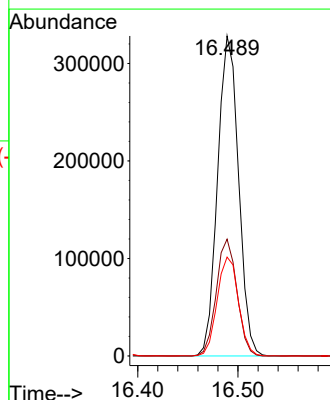
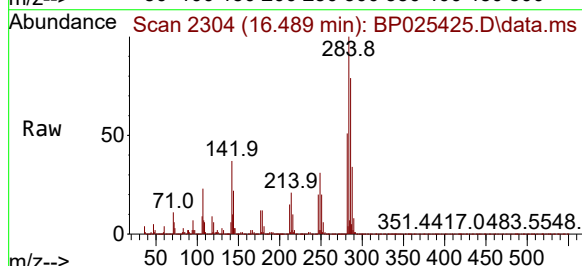
Tgt Ion:284 Resp: 475535

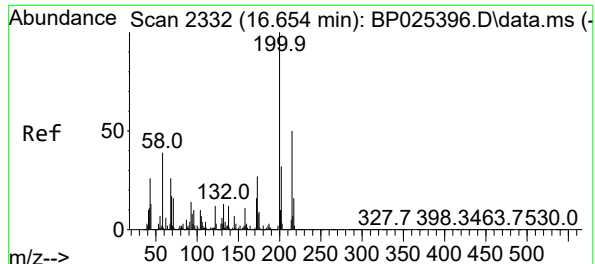
Ion Ratio Lower Upper

284 100

142 36.5 29.1 43.7

249 30.9 25.0 37.4





#69

Atrazine

Concen: 46.165 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

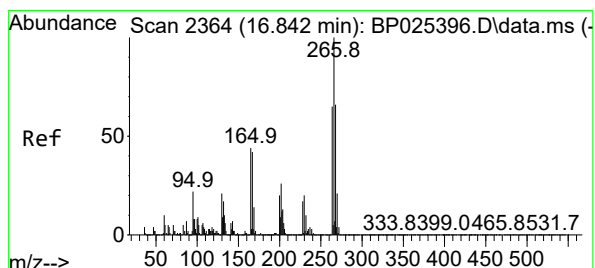
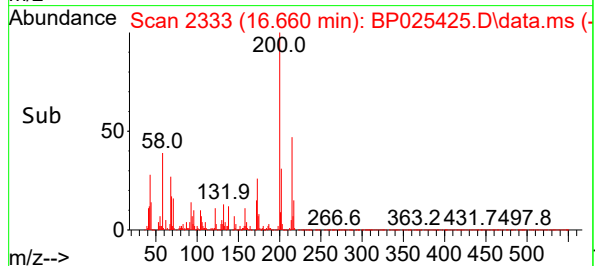
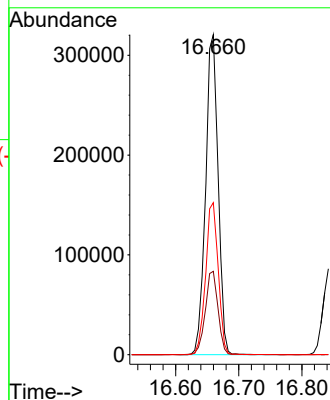
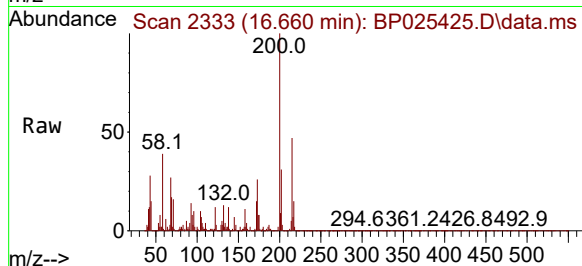
Tgt Ion:200 Resp: 441483

Ion Ratio Lower Upper

200 100

173 26.0 6.7 46.7

215 47.5 29.7 69.7



#70

Pentachlorophenol

Concen: 97.981 ng

RT: 16.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

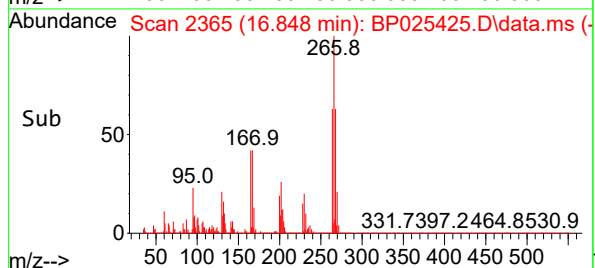
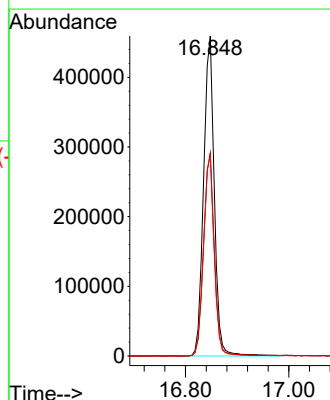
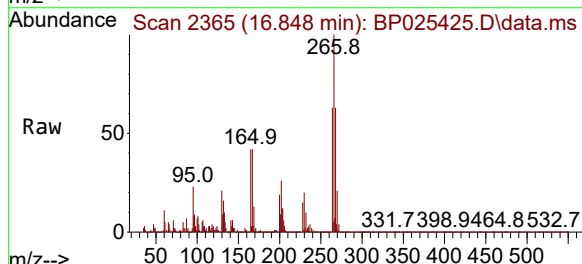
Tgt Ion:266 Resp: 660333

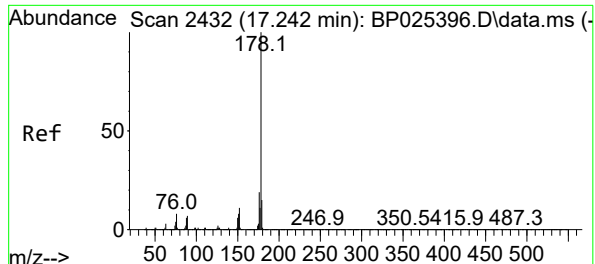
Ion Ratio Lower Upper

266 100

268 63.3 52.6 79.0

264 63.0 52.0 78.0

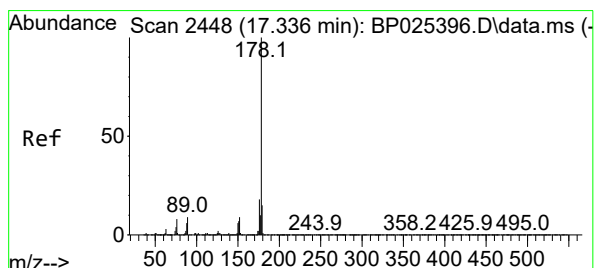
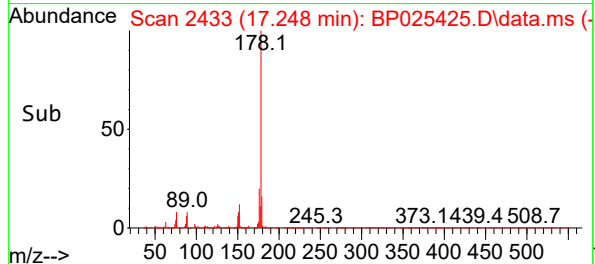
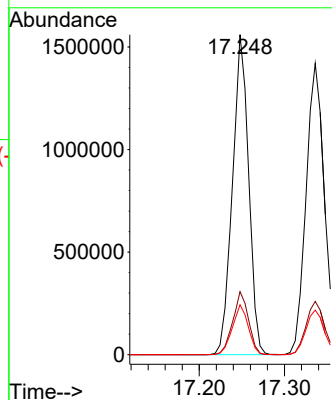
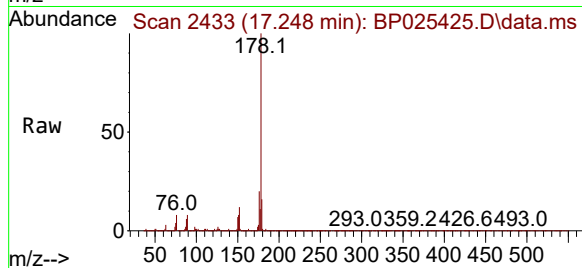




#71
Phenanthrene
Concen: 44.783 ng
RT: 17.248 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

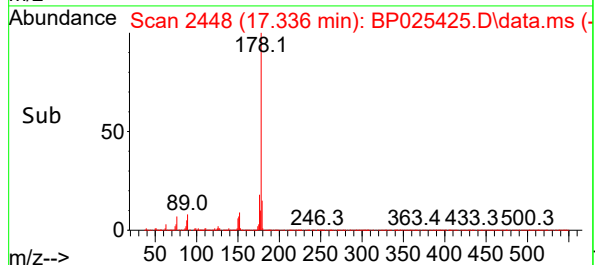
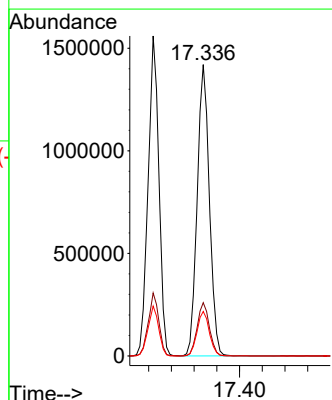
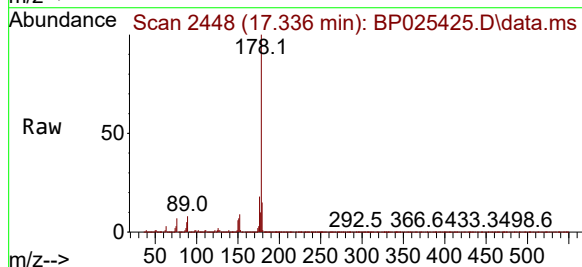
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

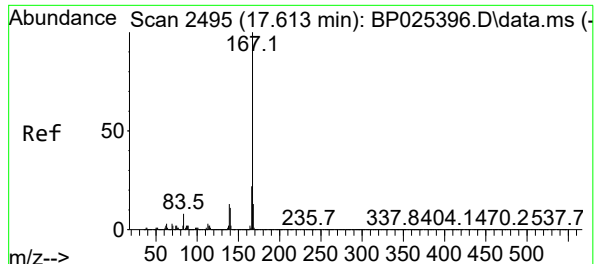
Tgt Ion:178 Resp: 2060065
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.6 12.2 18.4



#72
Anthracene
Concen: 45.190 ng
RT: 17.336 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:178 Resp: 2122885
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.2 12.2 18.2





#73

Carbazole

Concen: 45.913 ng

RT: 17.618 min Scan# 2495

Delta R.T. 0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

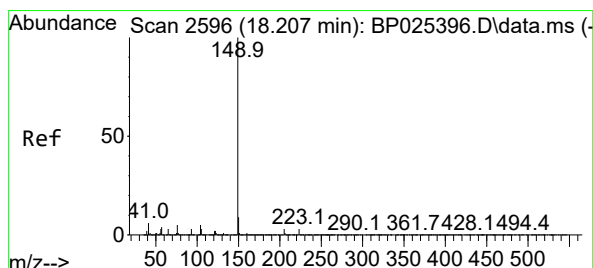
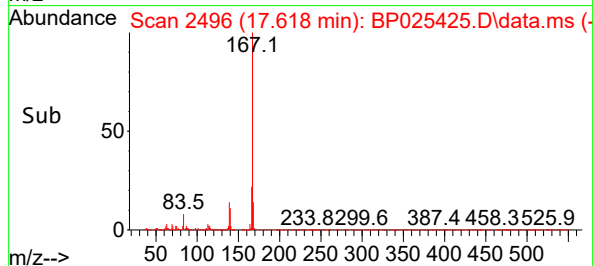
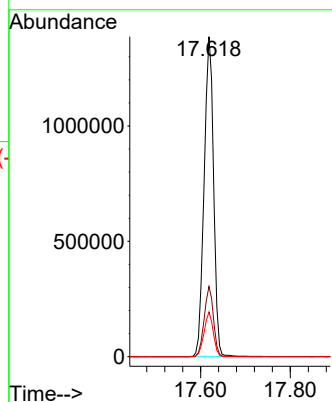
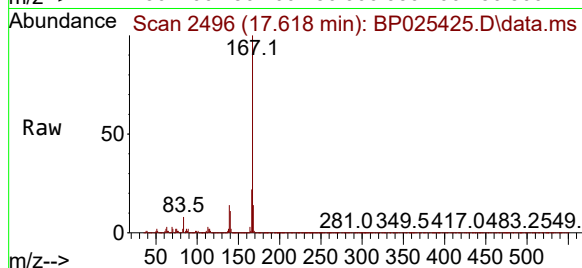
Tgt Ion:167 Resp: 2031552

Ion Ratio Lower Upper

167 100

166 21.9 17.5 26.3

139 14.0 10.6 16.0



#74

Di-n-butylphthalate

Concen: 45.882 ng

RT: 18.213 min Scan# 2597

Delta R.T. 0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

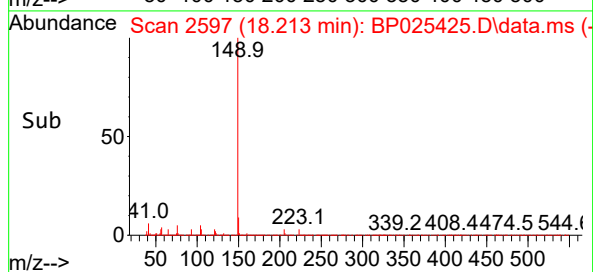
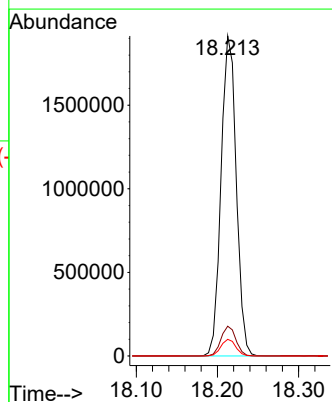
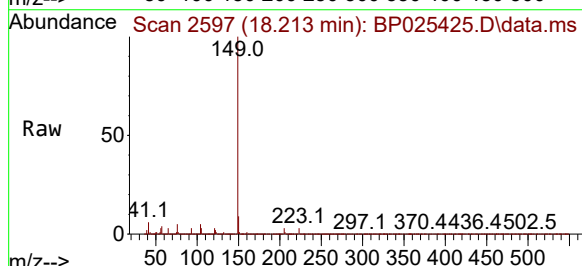
Tgt Ion:149 Resp: 2497806

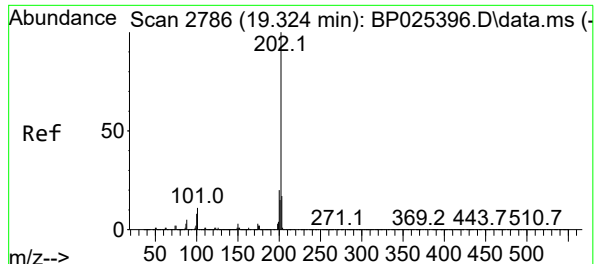
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 5.2 4.2 6.2

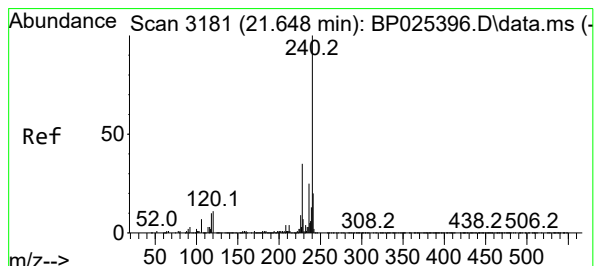
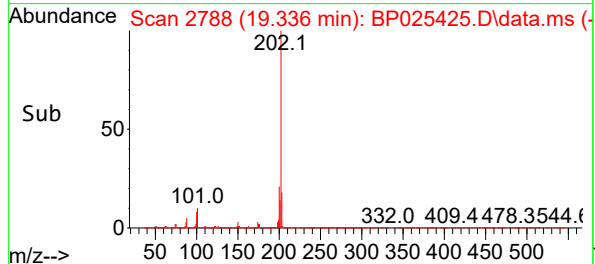
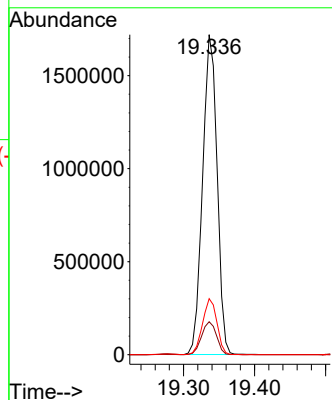
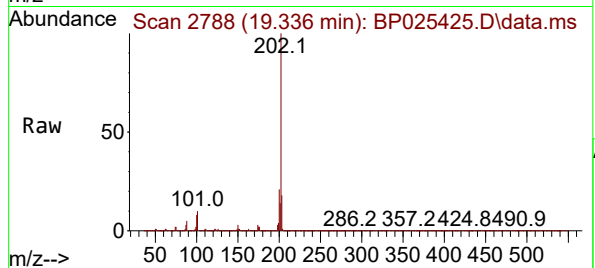




#75
Fluoranthene
Concen: 44.517 ng
RT: 19.336 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

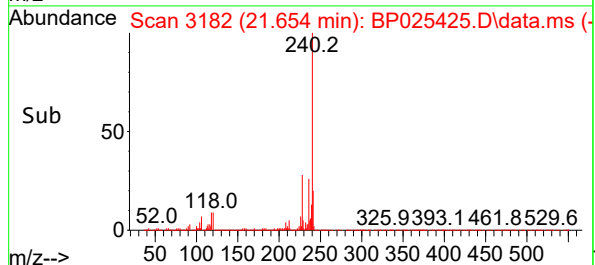
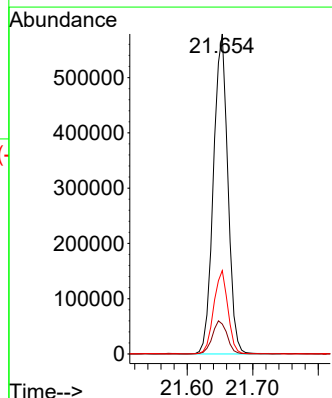
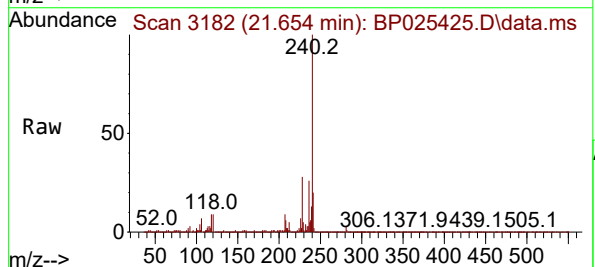
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

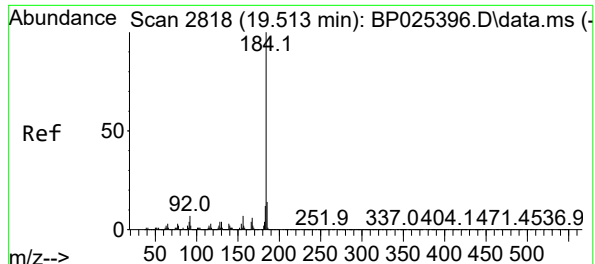
Tgt Ion:202 Resp: 2442709
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.1
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:240 Resp: 883409
Ion Ratio Lower Upper
240 100
120 9.4 8.9 13.3
236 26.1 19.8 29.8

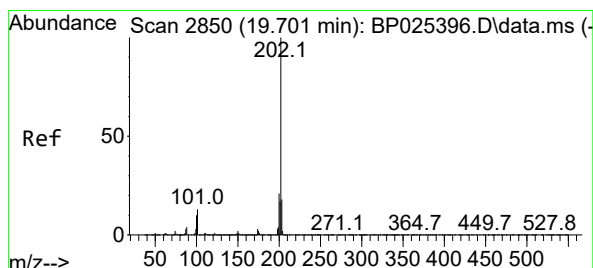
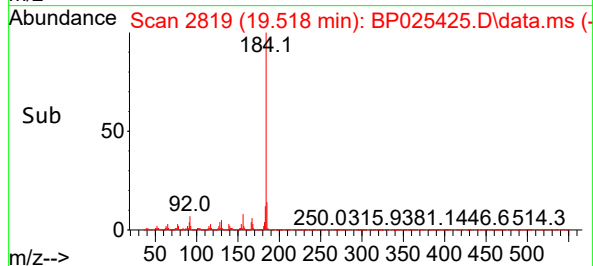
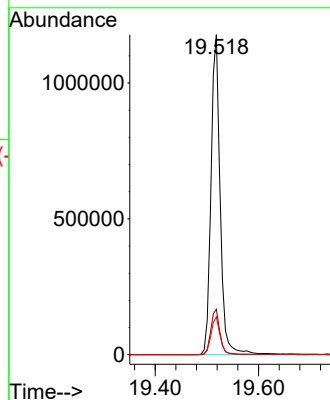
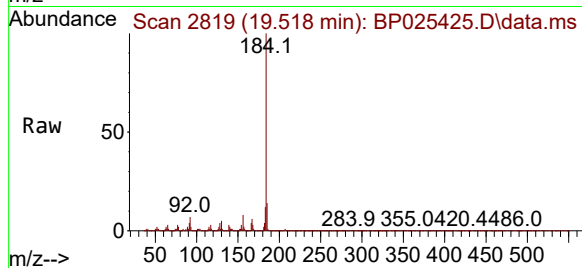




#77
Benzidine
Concen: 48.125 ng
RT: 19.518 min Scan# 2818
Delta R.T. 0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

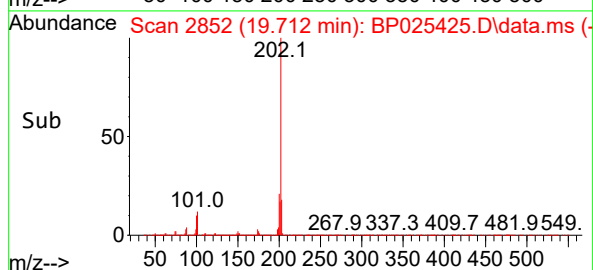
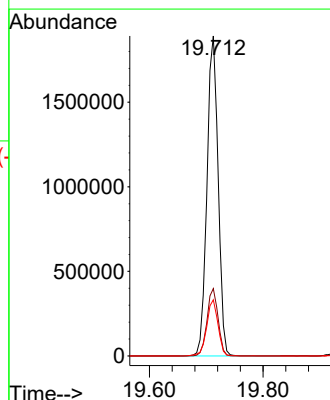
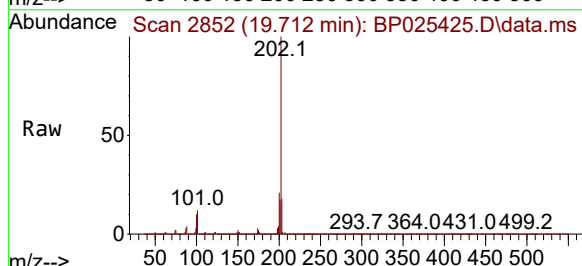
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

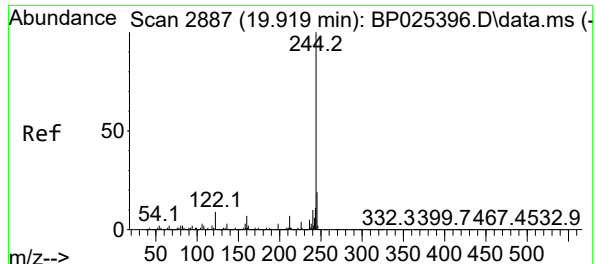
Tgt Ion:184 Resp: 1450901
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 11.8 9.4 14.2



#78
Pyrene
Concen: 44.724 ng
RT: 19.712 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:202 Resp: 2568011
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 77.350 ng

RT: 19.924 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

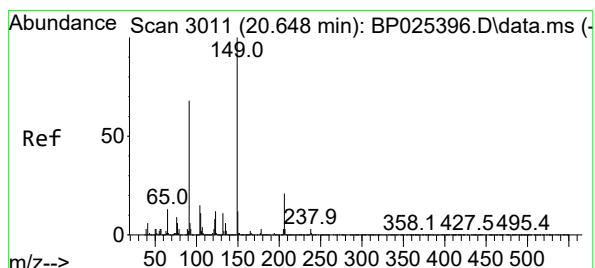
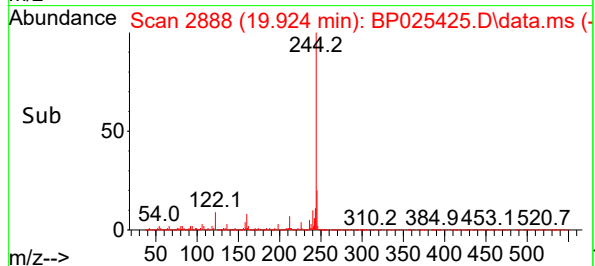
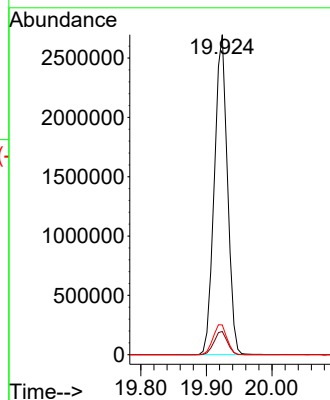
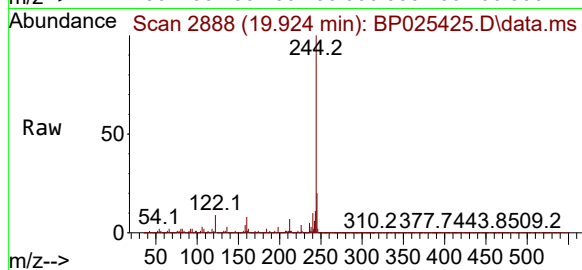
Tgt Ion:244 Resp: 3734835

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.3 7.4 11.2



#80

Butylbenzylphthalate

Concen: 46.520 ng

RT: 20.654 min Scan# 3012

Delta R.T. 0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

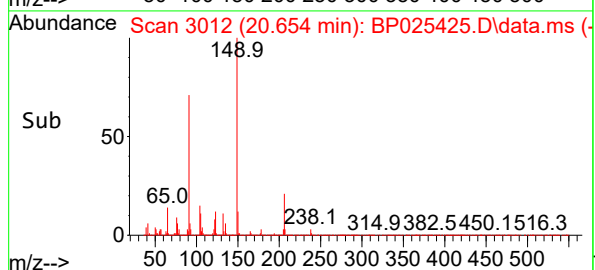
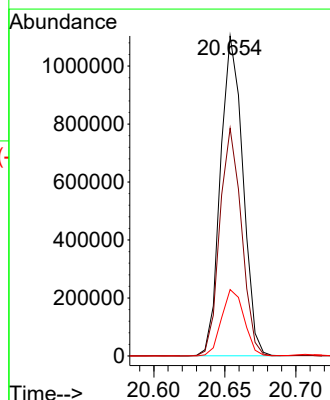
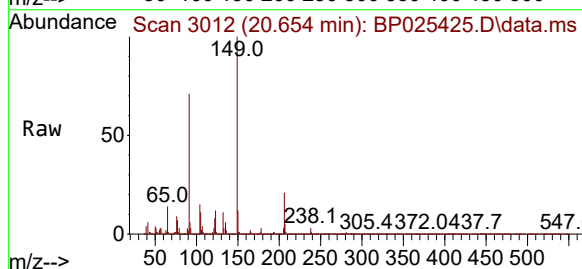
Tgt Ion:149 Resp: 1210580

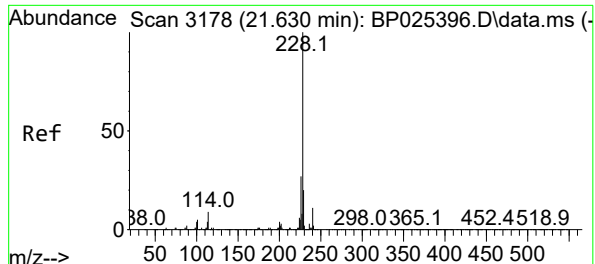
Ion Ratio Lower Upper

149 100

91 71.1 54.2 81.2

206 20.8 16.6 24.8

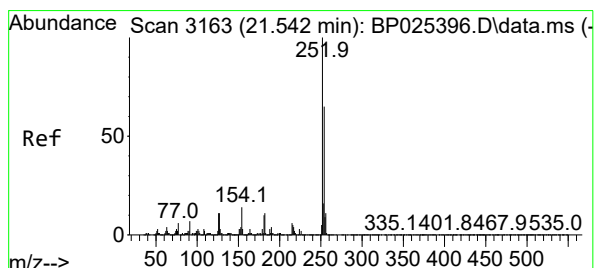
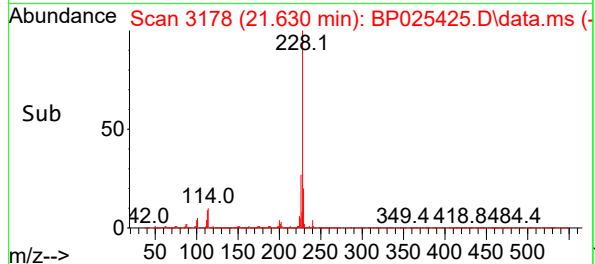
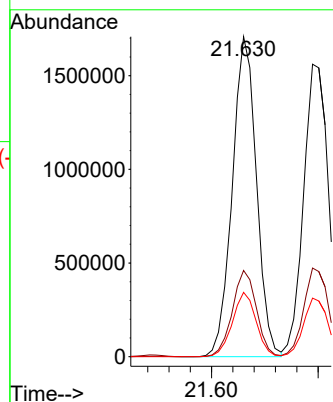
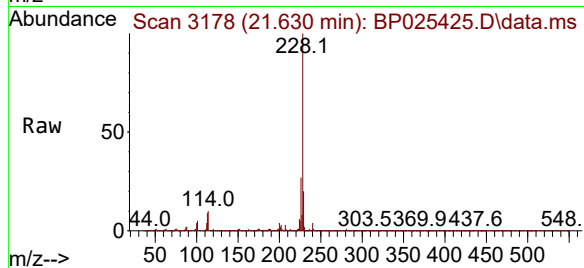




#81
Benzo(a)anthracene
Concen: 46.273 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

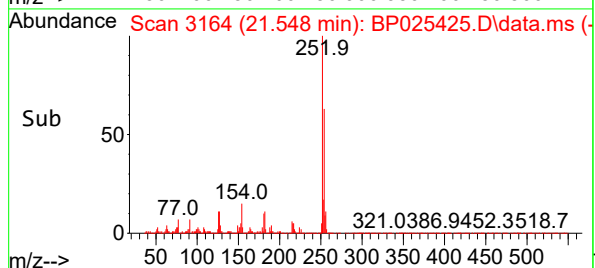
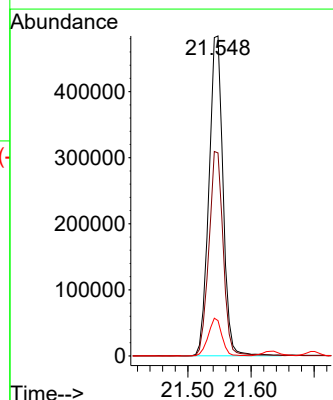
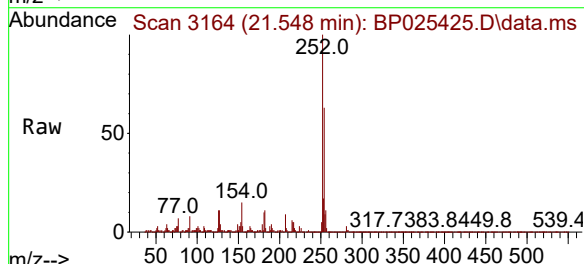
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

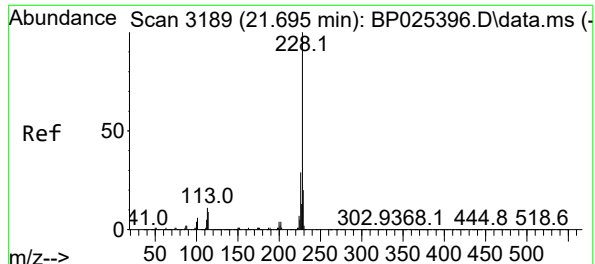
Tgt Ion:228 Resp: 2695916
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 20.1 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 34.104 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:252 Resp: 748927
Ion Ratio Lower Upper
252 100
254 63.5 51.8 77.6
126 11.0 9.1 13.7





#83

Chrysene

Concen: 45.952 ng

RT: 21.695 min Scan# 3189

Delta R.T. -0.000 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

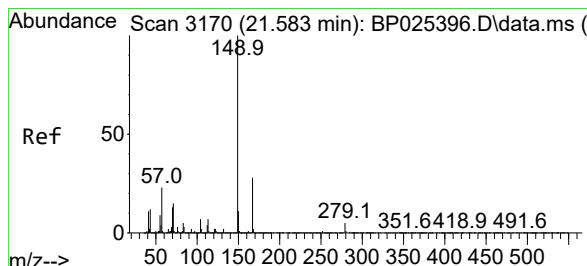
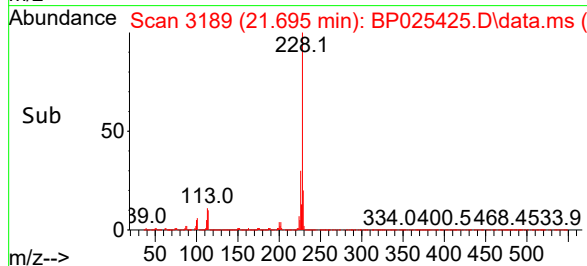
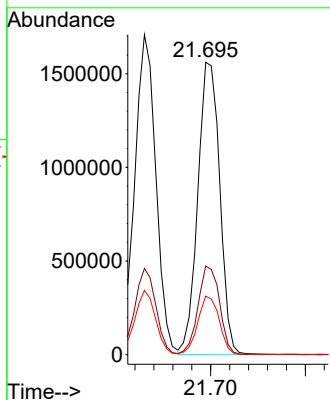
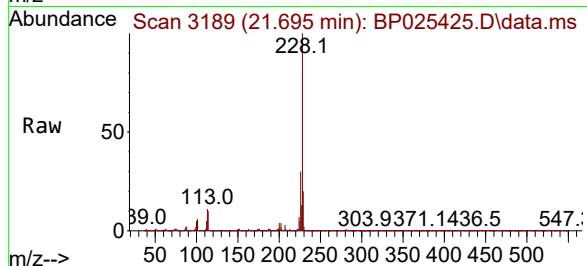
Tgt Ion:228 Resp: 2507192

Ion Ratio Lower Upper

228 100

226 30.3 23.2 34.8

229 20.0 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.165 ng

RT: 21.571 min Scan# 3168

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

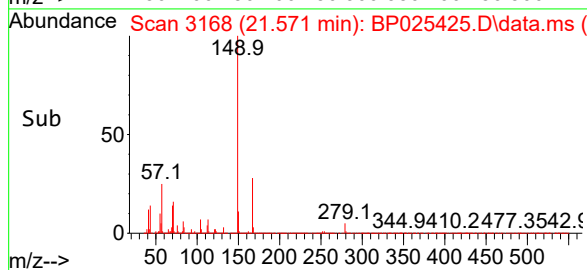
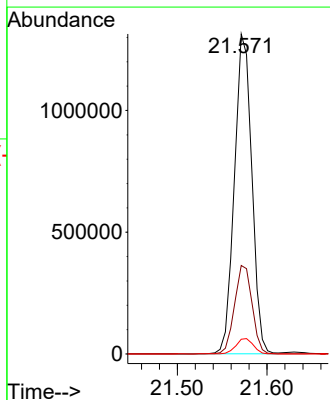
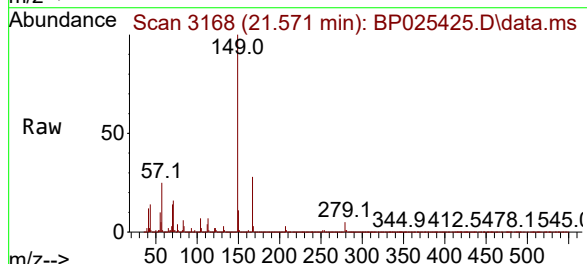
Tgt Ion:149 Resp: 1768457

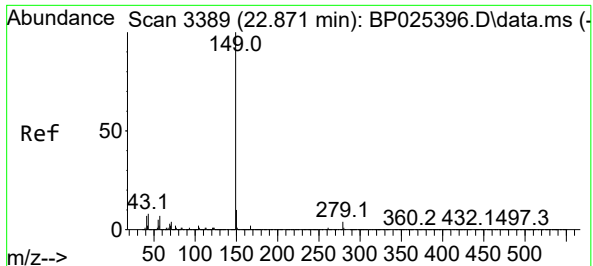
Ion Ratio Lower Upper

149 100

167 27.7 22.1 33.1

279 4.6 3.8 5.6

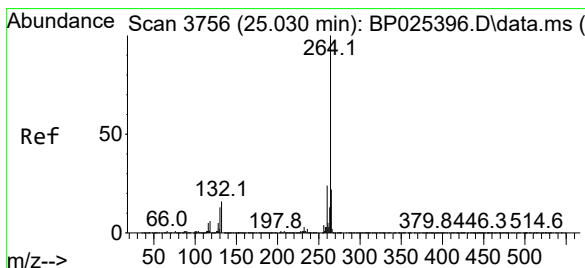
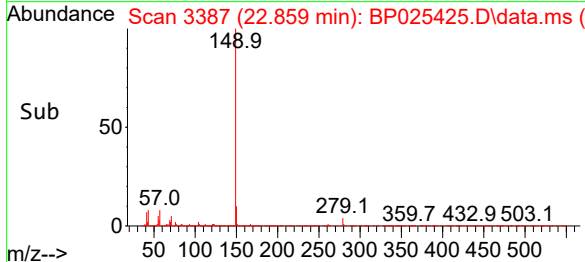
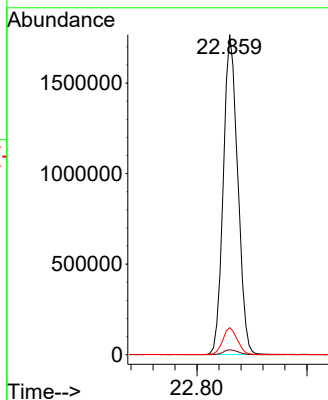
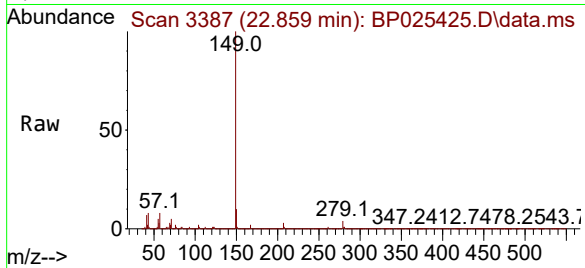




#85
Di-n-octyl phthalate
Concen: 48.802 ng
RT: 22.859 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

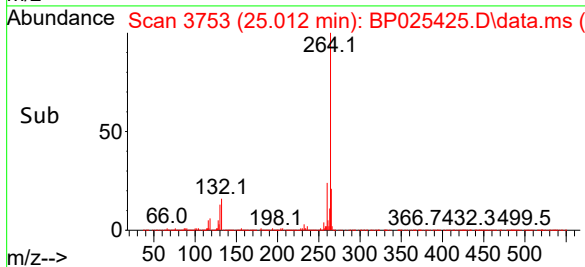
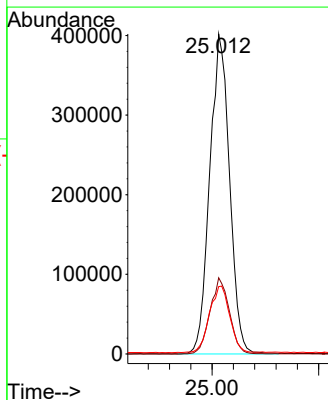
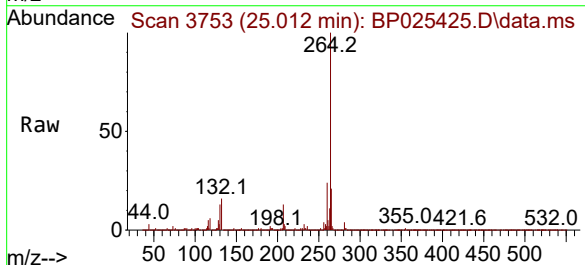
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

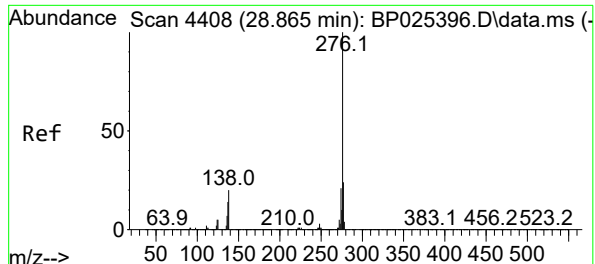
Tgt Ion:149 Resp: 3215556
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.4 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:264 Resp: 1035260
Ion Ratio Lower Upper
264 100
260 23.8 19.3 28.9
265 21.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.858 ng

RT: 28.841 min Scan# 4404

Delta R.T. -0.024 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

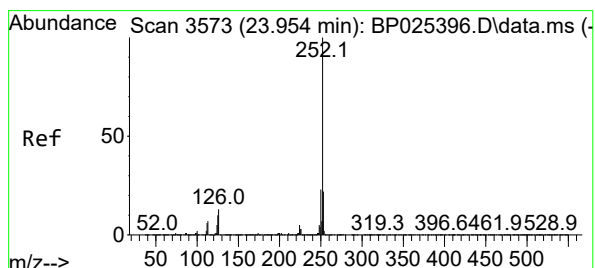
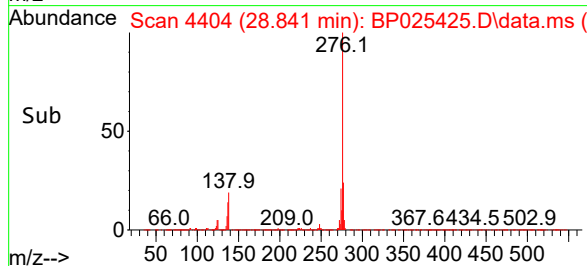
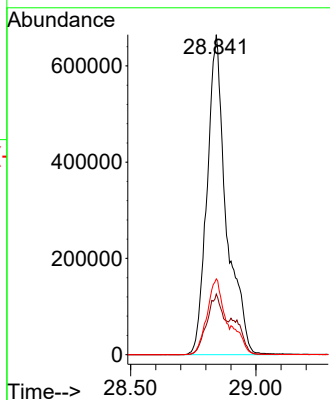
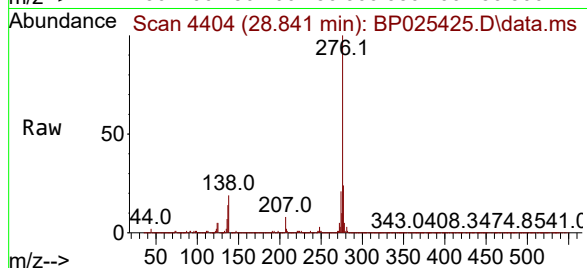
Tgt Ion:276 Resp: 3557513

Ion Ratio Lower Upper

276 100

138 16.5 12.9 19.3

277 20.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 47.605 ng

RT: 23.936 min Scan# 3570

Delta R.T. -0.018 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

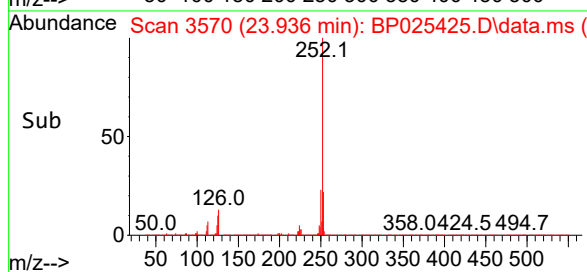
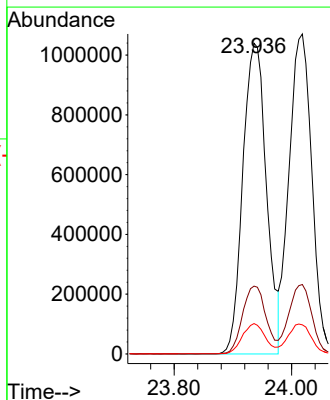
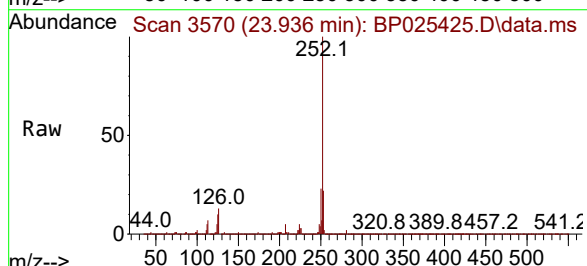
Tgt Ion:252 Resp: 2906105

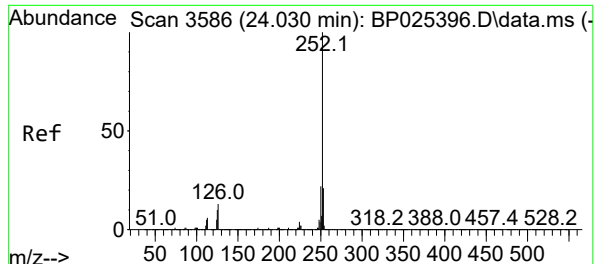
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 9.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 46.881 ng

RT: 24.018 min Scan# 3584

Delta R.T. -0.012 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

Instrument :

BNA_P

ClientSampleId :

PB169230BSD

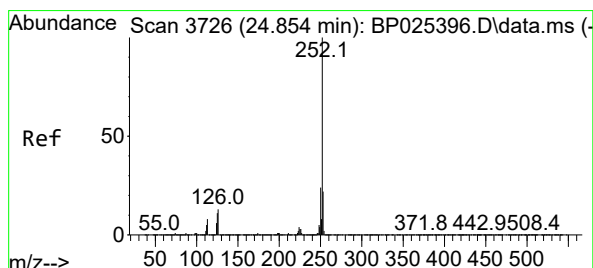
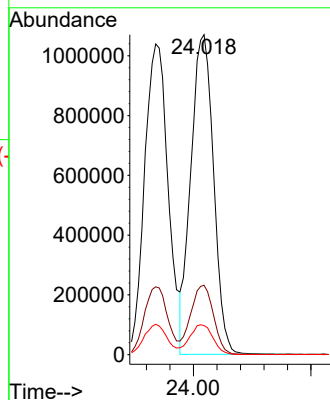
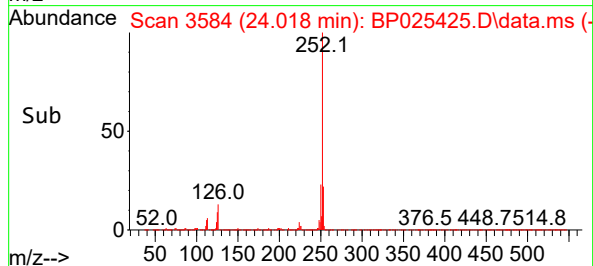
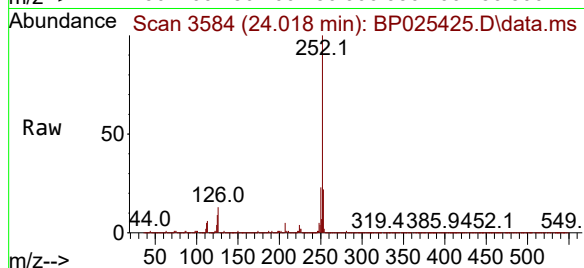
Tgt Ion:252 Resp: 2863889

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 9.1 7.8 11.6



#90

Benzo(a)pyrene

Concen: 47.072 ng

RT: 24.859 min Scan# 3727

Delta R.T. 0.006 min

Lab File: BP025425.D

Acq: 15 Aug 2025 13:26

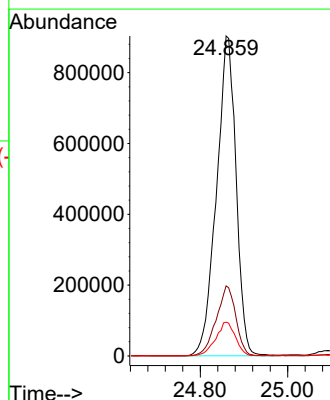
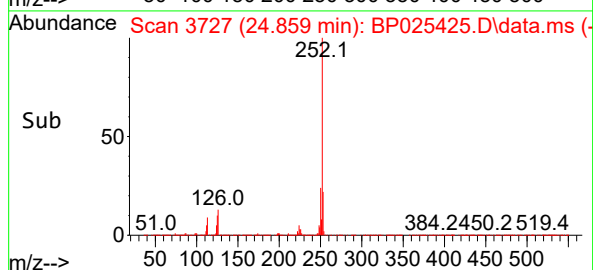
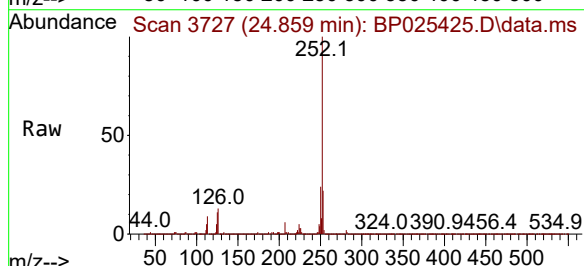
Tgt Ion:252 Resp: 2797186

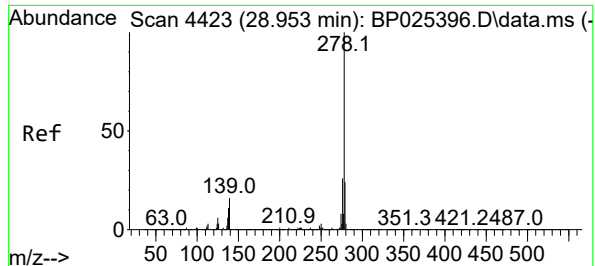
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.5 8.7 13.1

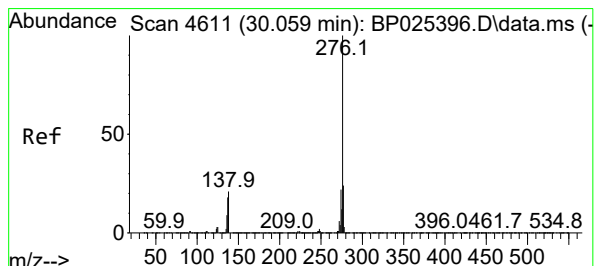
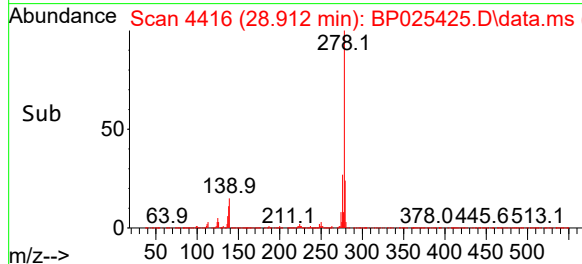
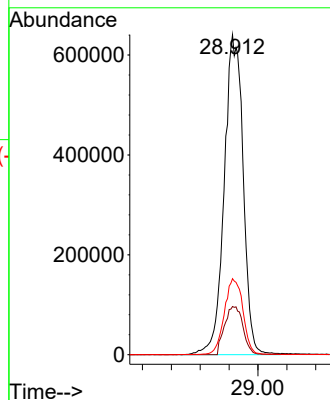
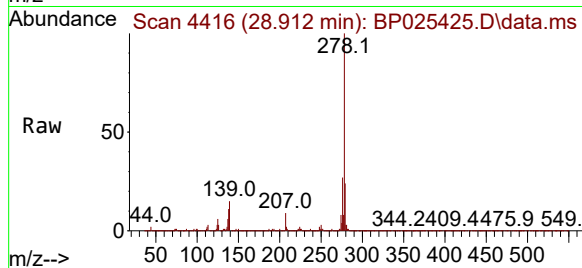




#91
Dibenzo(a,h)anthracene
Concen: 46.967 ng
RT: 28.912 min Scan# 4423
Delta R.T. -0.041 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

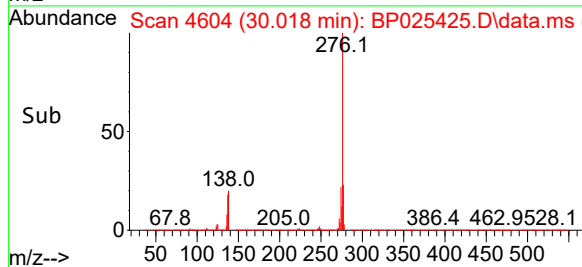
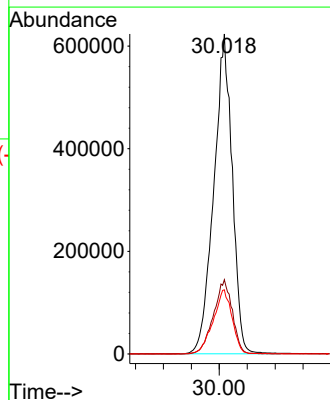
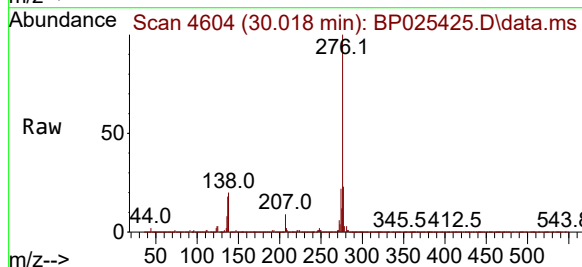
Instrument :
BNA_P
ClientSampleId :
PB169230BSD

Tgt Ion:278 Resp: 2913978
Ion Ratio Lower Upper
278 100
139 15.1 13.0 19.4
279 23.8 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 46.665 ng
RT: 30.018 min Scan# 4604
Delta R.T. -0.041 min
Lab File: BP025425.D
Acq: 15 Aug 2025 13:26

Tgt Ion:276 Resp: 2846019
Ion Ratio Lower Upper
276 100
277 23.2 19.4 29.0
138 20.1 16.7 25.1



Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169244BSD	SDG No.:	Q2815
Lab Sample ID:	PB169244BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025473.D	1	08/14/25 09:15	08/19/25 12:47	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	28.3		3.90	8.00	10.0	ug/L
108-95-2	Phenol	50.3		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.9		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	49.9		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	49.7		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	47.3		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	46.4		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	49.1		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.7		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	46.8		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	47.5		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	46.0		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	49.3		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	50.8		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.9		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	51.8		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	46.7		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	27.2		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.0		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	52.5		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	51.6		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	46.5		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	90.5	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.3		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	51.4		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	46.2		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.6		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	51.5		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	48.6		0.61	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169244BSD	SDG No.:	Q2815
Lab Sample ID:	PB169244BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025473.D	1	08/14/25 09:15	08/19/25 12:47	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.6		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	52.4		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	35.4		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	45.5		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	47.3		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	54.2		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	50.7		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	47.4		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	47.5		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	50.8		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	52.3		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.6		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	46.3		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	46.3		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	49.5		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	46.9		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	47.5		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	48.0		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	49.8		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	48.0		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	47.7		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	51.3		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	30.7		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.7		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	47.3		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.1		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	51.1		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	48.3		0.49	4.00	5.00	ug/L

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169244BSD	SDG No.:	Q2815
Lab Sample ID:	PB169244BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025473.D	1	08/14/25 09:15	08/19/25 12:47	PB169244

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	48.8		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	48.1		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.3		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.8		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.6		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.4		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	38.9		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.2		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	141		19 - 119		94%	SPK: 150
13127-88-3	Phenol-d6	141		10 - 130		94%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.6		44 - 120		85%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.2		44 - 119		79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		43 - 140		96%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		50 - 134		84%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	172000	7.79				
1146-65-2	Naphthalene-d8	704000	10.555				
15067-26-2	Acenaphthene-d10	489000	14.401				
1517-22-2	Phenanthrene-d10	1040000	17.207				
1719-03-5	Chrysene-d12	1070000	21.654				
1520-96-3	Perylene-d12	1180000	25.03				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025473.D
 Acq On : 19 Aug 2025 12:47
 Operator : CG/JU
 Sample : PB169244BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169244BSD

Quant Time: Aug 19 13:10:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	172374	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	704478	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	488785	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	1043571	20.000	ng	0.00
76) Chrysene-d12	21.654	240	1070063	20.000	ng	0.00
86) Perylene-d12	25.030	264	1176738	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1466573	141.294	ng	0.00
7) Phenol-d6	6.972	99	1870146	140.533	ng	0.00
23) Nitrobenzene-d5	8.931	82	1177998	84.587	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	948405	144.154	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2831786	79.179	ng	0.00
79) Terphenyl-d14	19.925	244	4922368	84.162	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	158108	38.889	ng	99
3) Pyridine	3.726	79	436550	39.230	ng	97
4) n-Nitrosodimethylamine	3.631	42	221517	48.284	ng	97
6) Aniline	7.119	93	672688	37.518	ng	99
8) 2-Chlorophenol	7.367	128	584248	49.881	ng	100
9) Benzaldehyde	6.937	77	263740	28.288	ng	98
10) Phenol	6.996	94	701844	50.262	ng	99
11) bis(2-Chloroethyl)ether	7.214	93	510577	46.912	ng	99
12) 1,3-Dichlorobenzene	7.684	146	601240	46.552	ng	99
13) 1,4-Dichlorobenzene	7.825	146	610323	46.233	ng	100
14) 1,2-Dichlorobenzene	8.137	146	589005	46.093	ng	99
15) Benzyl Alcohol	8.025	79	504404	47.704	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.308	45	689083	47.263	ng	98
17) 2-Methylphenol	8.225	107	482348	49.736	ng	99
18) Hexachloroethane	8.861	117	227208	46.811	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	393822	44.678	ng	98
20) 3+4-Methylphenols	8.549	107	660509	49.134	ng	97
22) Acetophenone	8.596	105	819556	46.389	ng	# 99
24) Nitrobenzene	8.972	77	591064	47.489	ng	99
25) Isophorone	9.496	82	1134513	46.032	ng	98
26) 2-Nitrophenol	9.678	139	314959	49.309	ng	97
27) 2,4-Dimethylphenol	9.737	122	558293	50.825	ng	100
28) bis(2-Chloroethoxy)met...	9.966	93	698931	46.914	ng	98
29) 2,4-Dichlorophenol	10.208	162	564908	51.769	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	553924	46.307	ng	99
31) Naphthalene	10.608	128	1710559	46.717	ng	99
32) Benzoic acid	9.896	122	439462	54.190	ng	98
33) 4-Chloroaniline	10.708	127	440457	27.233	ng	99
34) Hexachlorobutadiene	10.896	225	342743	46.008	ng	98
35) Caprolactam	11.502	113	210088m	52.506	ng	
36) 4-Chloro-3-methylphenol	11.837	107	646361	51.621	ng	99
37) 2-Methylnaphthalene	12.213	142	1107270	46.469	ng	100
38) 1-Methylnaphthalene	12.431	142	1168249	46.102	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	626241	44.362	ng	99
41) Hexachlorocyclopentadiene	12.566	237	771660	90.496	ng	98
43) 2,4,6-Trichlorophenol	12.825	196	479514	50.315	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025473.D
 Acq On : 19 Aug 2025 12:47
 Operator : CG/JU
 Sample : PB169244BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169244BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 13:10:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

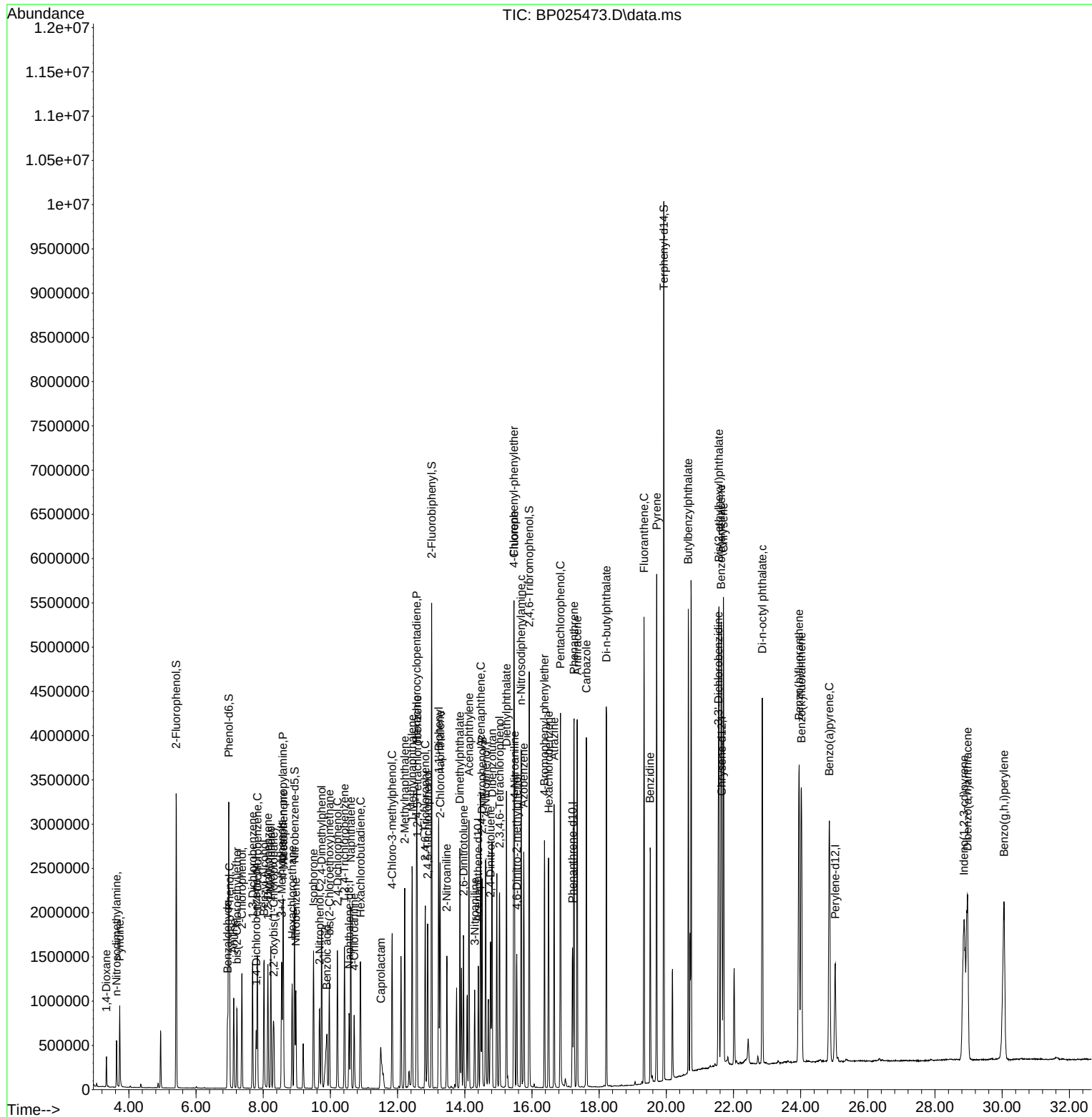
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	536382	51.353	ng	99
46) 1,1'-Biphenyl	13.225	154	1638603	46.160	ng	99
47) 2-Chloronaphthalene	13.266	162	1259783	45.586	ng	98
48) 2-Nitroaniline	13.466	65	415059	51.546	ng	98
49) Acenaphthylene	14.125	152	2177367	47.615	ng	100
50) Dimethylphthalate	13.854	163	1738994	48.585	ng	99
51) 2,6-Dinitrotoluene	13.966	165	395341	52.404	ng	98
52) Acenaphthene	14.472	154	1220137	45.457	ng	99
53) 3-Nitroaniline	14.296	138	300405	35.392	ng	97
54) 2,4-Dinitrophenol	14.513	184	495694	123.038	ng	99
55) Dibenzofuran	14.813	168	2007042	47.295	ng	100
56) 4-Nitrophenol	14.625	139	746663	107.051	ng	98
57) 2,4-Dinitrotoluene	14.766	165	583246	54.187	ng	99
58) Fluorene	15.466	166	1589403	47.465	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	472386	51.220	ng	100
60) Diethylphthalate	15.243	149	1844493	50.715	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	789982	47.436	ng	98
62) 4-Nitroaniline	15.484	138	442261	50.825	ng	99
63) Azobenzene	15.754	77	1593888	51.181	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	340236	52.303	ng	96
66) n-Nitrosodiphenylamine	15.678	169	1483025	46.603	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	531300	46.291	ng	96
68) Hexachlorobenzene	16.495	284	616466	46.335	ng	98
69) Atrazine	16.660	200	590070	49.512	ng	97
70) Pentachlorophenol	16.848	266	843937	100.486	ng	97
71) Phenanthrene	17.254	178	2687053	46.873	ng	99
72) Anthracene	17.348	178	2780840	47.501	ng	100
73) Carbazole	17.619	167	2645585	47.978	ng	99
74) Di-n-butylphthalate	18.213	149	3375219	49.751	ng	100
75) Fluoranthene	19.336	202	3282061	47.997	ng	99
77) Benzidine	19.519	184	1590772	43.560	ng	100
78) Pyrene	19.713	202	3315062	47.664	ng	100
80) Butylbenzylphthalate	20.654	149	1618023	51.331	ng	98
81) Benzo(a)anthracene	21.630	228	3439380	48.736	ng	99
82) 3,3'-Dichlorobenzidine	21.548	252	816647	30.701	ng	99
83) Chrysene	21.701	228	3127598	47.324	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	2323944	50.084	ng	98
85) Di-n-octyl phthalate	22.860	149	4076449	51.076	ng	99
87) Indeno(1,2,3-cd)pyrene	28.859	276	3998661m	46.336	ng	
88) Benzo(b)fluoranthene	23.954	252	3354449	48.343	ng	100
89) Benzo(k)fluoranthene	24.019	252	3390357	48.827	ng	99
90) Benzo(a)pyrene	24.854	252	3251341	48.136	ng	100
91) Dibenzo(a,h)anthracene	28.971	278	3297613	46.760	ng	97
92) Benzo(g,h,i)perylene	30.054	276	3230088	46.595	ng	98

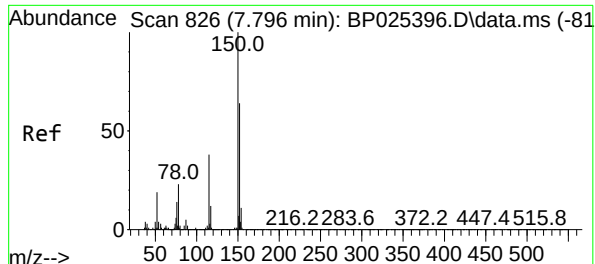
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
PB169244BSD

Manual Integrations

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025





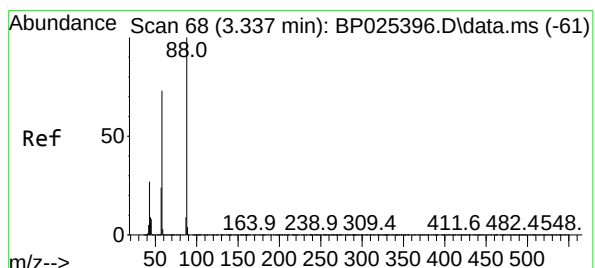
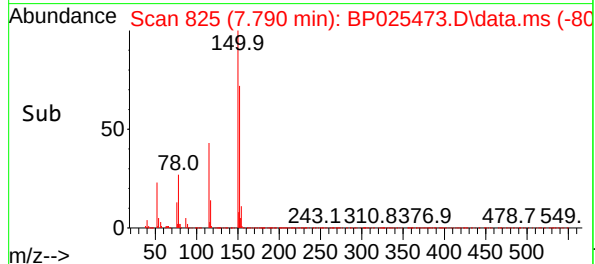
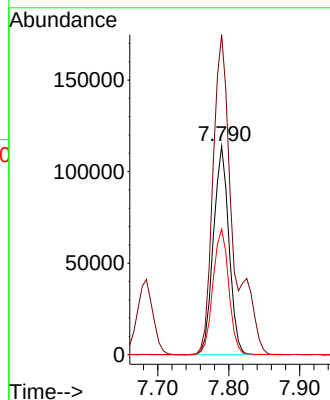
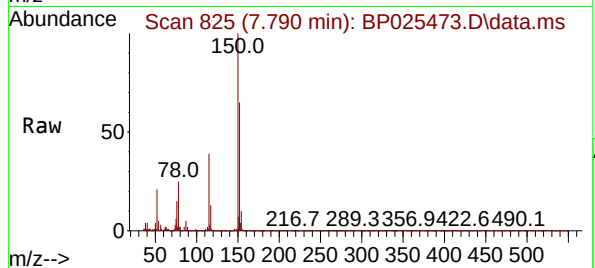
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :
BNA_P
ClientSampleId :
PB169244BSD

Tgt Ion: 152 Resp: 172374
Ion Ratio Lower Upper
152 100
150 153.4 125.9 188.9
115 60.2 48.5 72.7

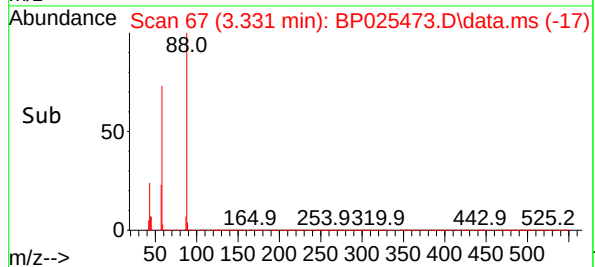
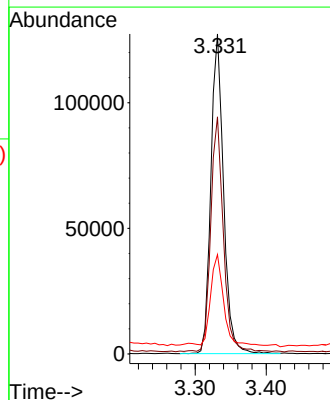
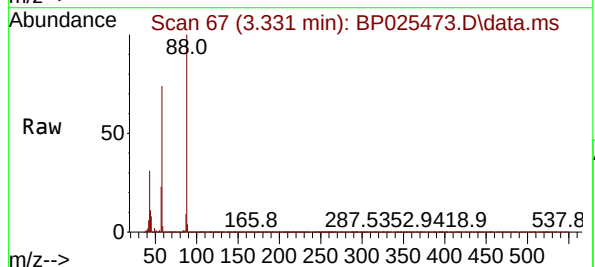
Manual Integrations
APPROVED

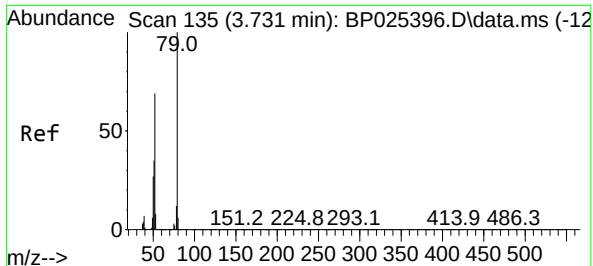
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#2
1,4-Dioxane
Concen: 38.889 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

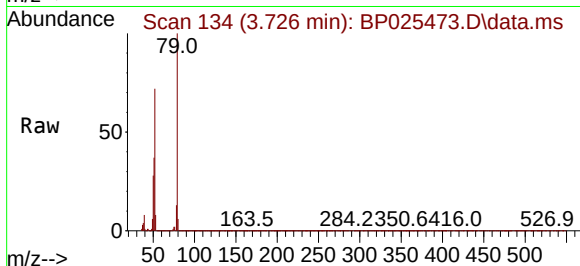
Tgt Ion: 88 Resp: 158108
Ion Ratio Lower Upper
88 100
58 73.4 59.2 88.8
43 28.3 21.7 32.5





#3
Pyridine
Concen: 39.230 ng
RT: 3.726 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

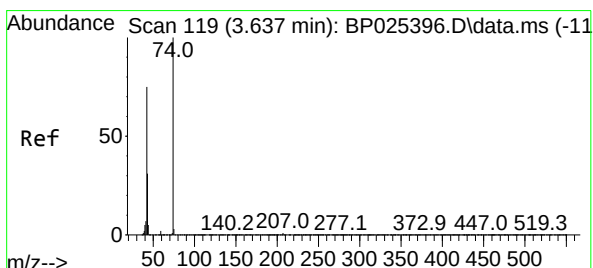
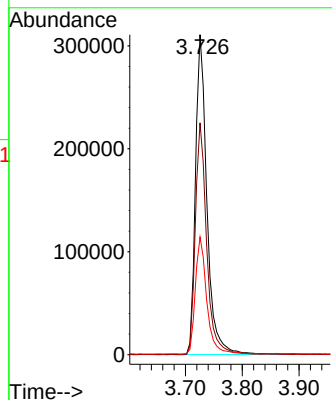
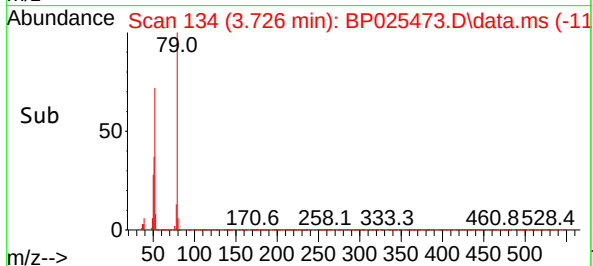
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



Tgt Ion: 79 Resp: 436550
Ion Ratio Lower Upper
79 100
52 72.5 55.5 83.3
51 36.8 28.3 42.5

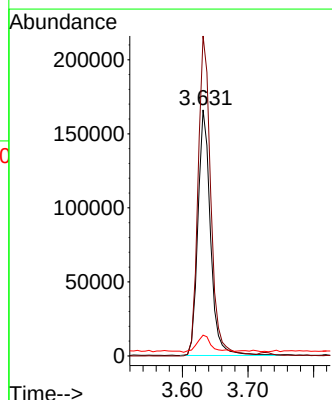
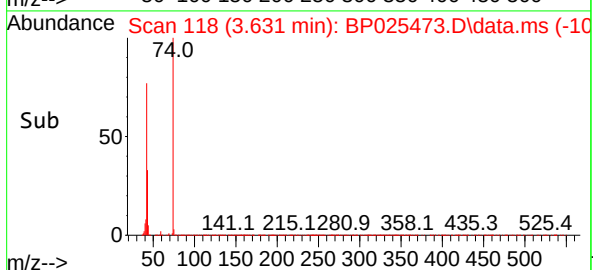
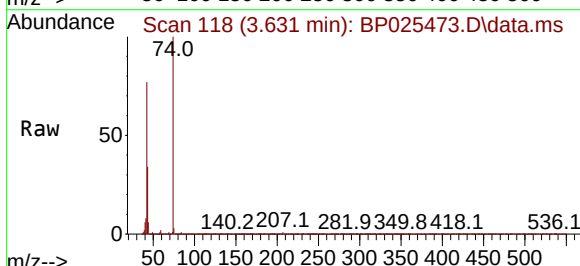
Manual Integrations
APPROVED

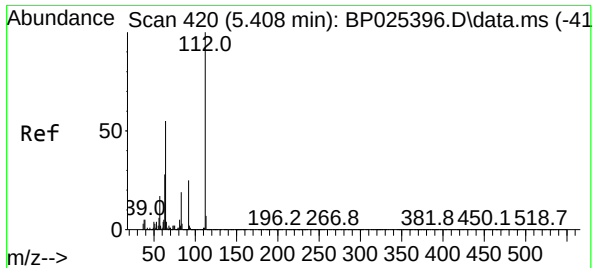
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#4
n-Nitrosodimethylamine
Concen: 48.284 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 42 Resp: 221517
Ion Ratio Lower Upper
42 100
74 130.0 107.0 160.4
44 8.4 6.2 9.4





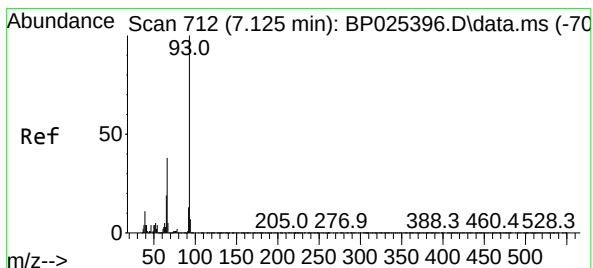
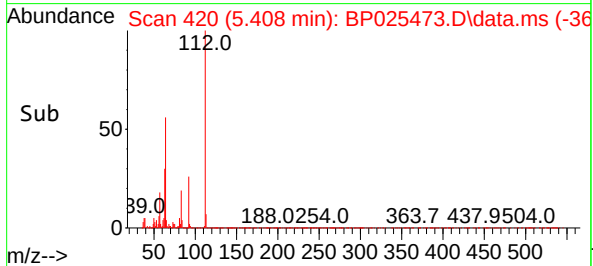
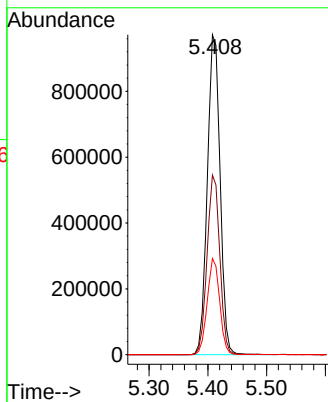
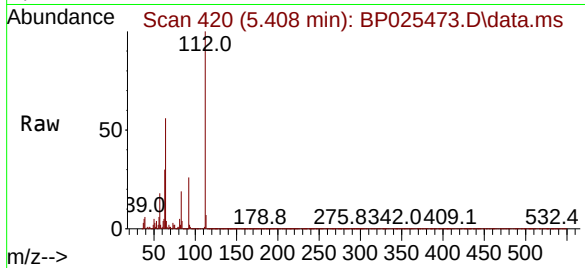
#5
2-Fluorophenol
Concen: 141.294 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :
BNA_P
ClientSampleId :
PB169244BSD

Tgt Ion:112 Resp: 146657
Ion Ratio Lower Upper
112 100
64 56.2 43.8 65.8
63 30.0 22.7 34.1

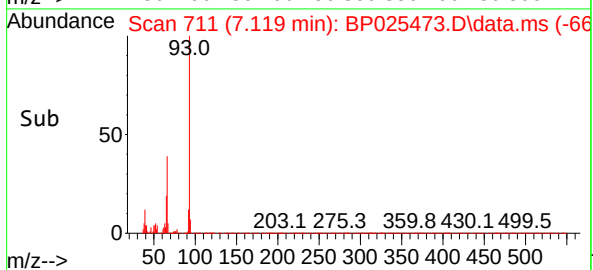
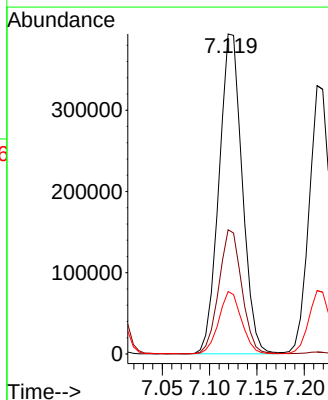
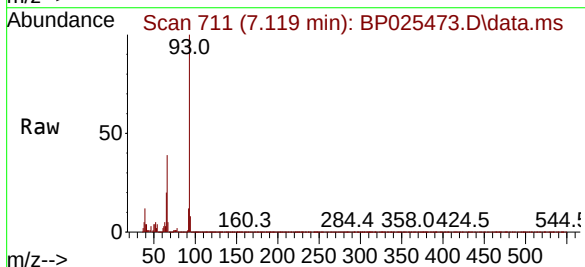
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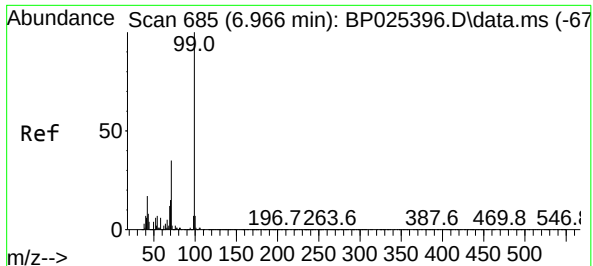
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#6
Aniline
Concen: 37.518 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

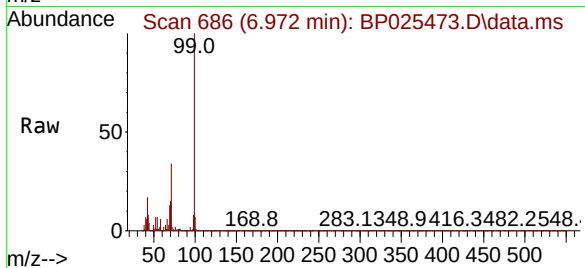
Tgt Ion: 93 Resp: 672688
Ion Ratio Lower Upper
93 100
66 38.8 30.4 45.6
65 19.5 15.3 22.9





#7
Phenol-d6
Concen: 140.533 ng
RT: 6.972 min Scan# 685
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

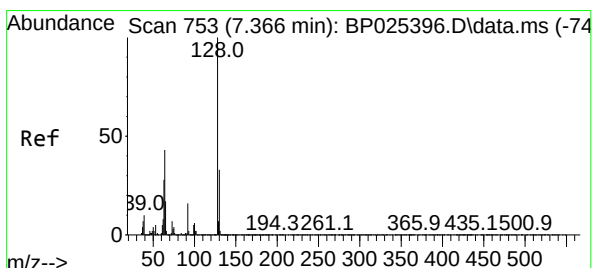
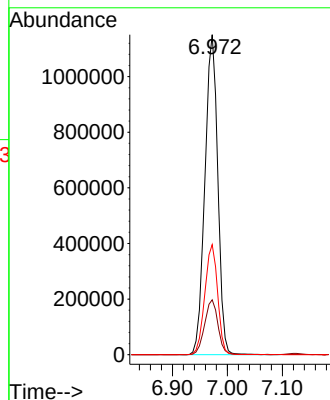
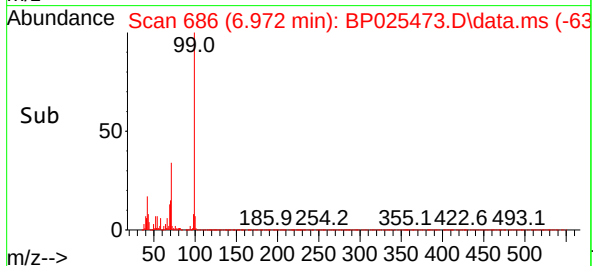
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



Tgt Ion: 99 Resp: 1870140
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 34.4 28.2 42.4

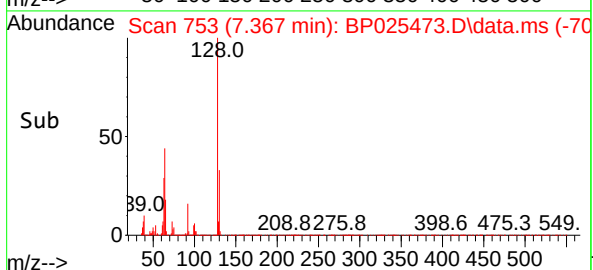
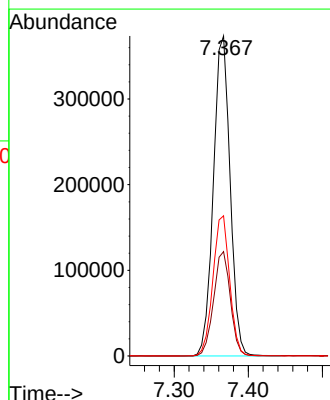
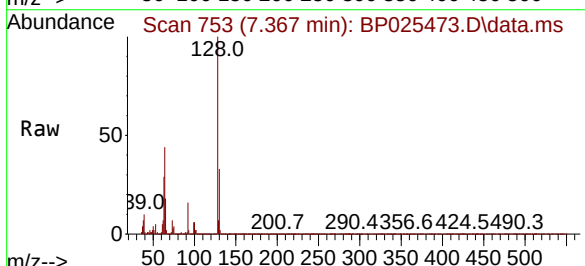
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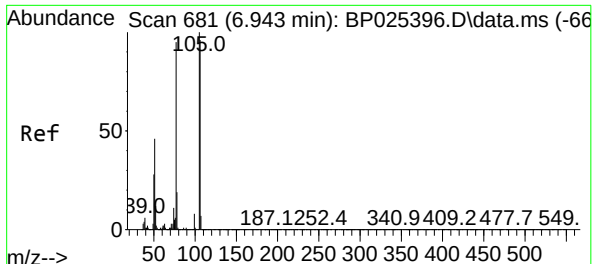
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#8
2-Chlorophenol
Concen: 49.881 ng
RT: 7.367 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

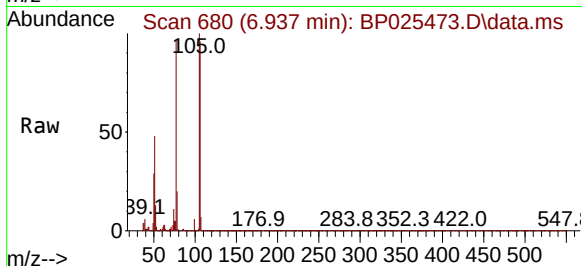
Tgt Ion:128 Resp: 584248
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 43.8 23.4 63.4





#9
Benzaldehyde
Concen: 28.288 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

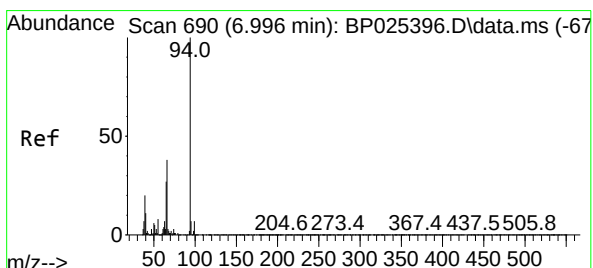
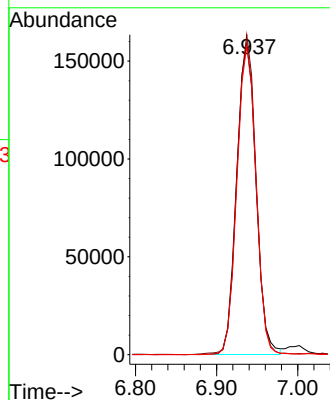
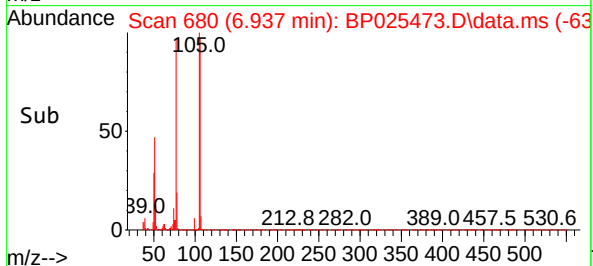
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



Tgt Ion: 77 Resp: 263740
Ion Ratio Lower Upper
77 100
105 102.9 84.8 124.8
106 99.2 80.5 120.5

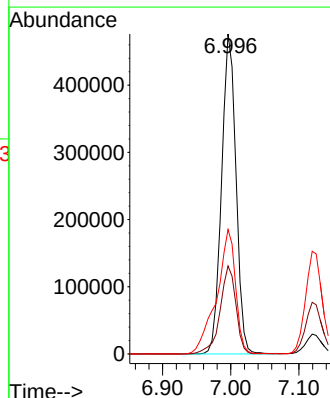
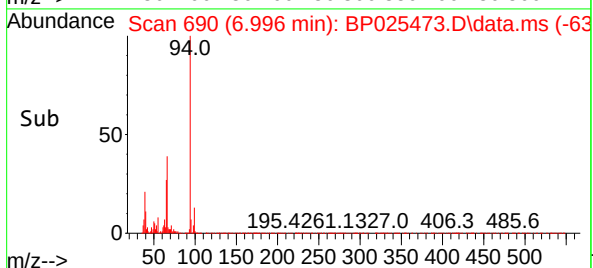
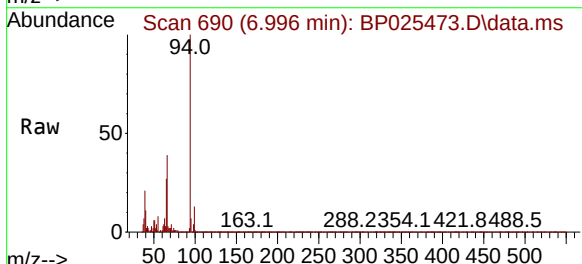
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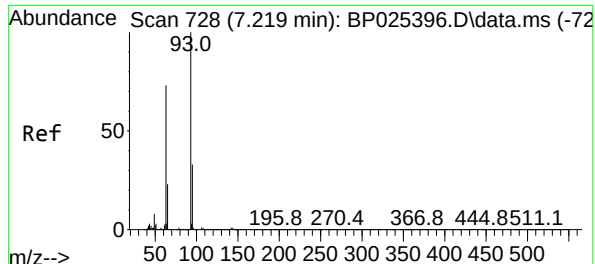
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#10
Phenol
Concen: 50.262 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 94 Resp: 701844
Ion Ratio Lower Upper
94 100
65 27.5 6.8 46.8
66 38.9 18.2 58.2





#11

bis(2-Chloroethyl)ether

Concen: 46.912 ng

RT: 7.214 min Scan# 71

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion: 93 Resp: 51057

Ion Ratio Lower Upper

93 100

63 73.6 52.6 92.6

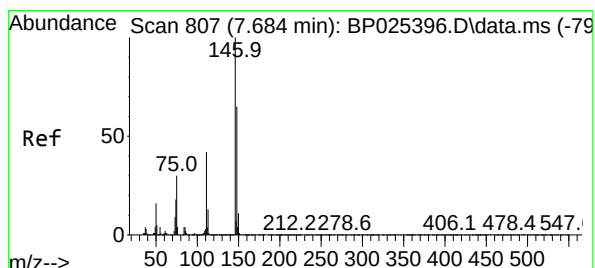
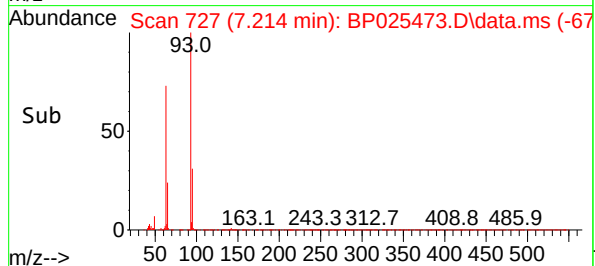
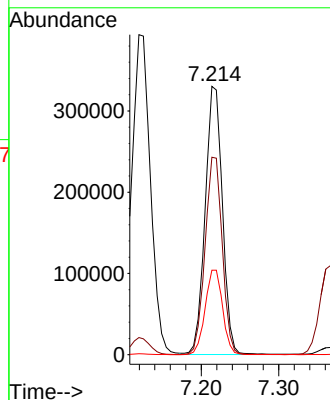
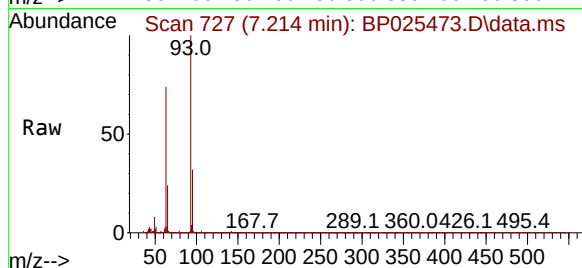
95 31.5 12.7 52.7

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Supervised By :Jagrut Upadhyay 08/20/2025



#12

1,3-Dichlorobenzene

Concen: 46.552 ng

RT: 7.684 min Scan# 807

Delta R.T. 0.000 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

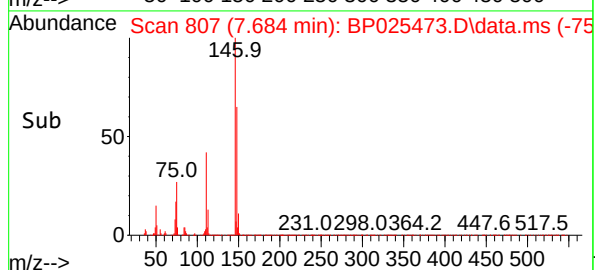
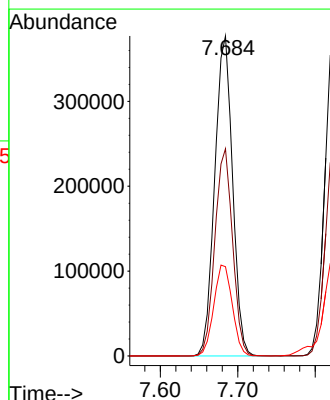
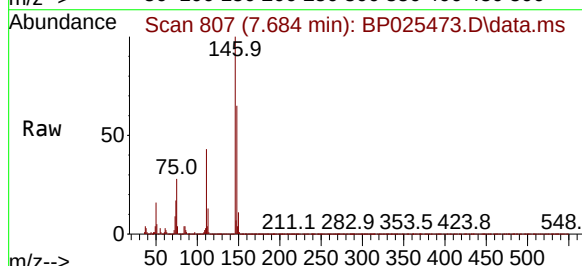
Tgt Ion:146 Resp: 601240

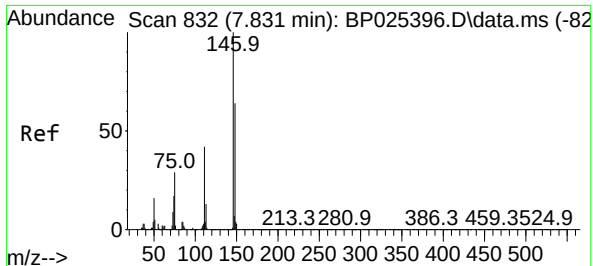
Ion Ratio Lower Upper

146 100

148 64.8 51.9 77.9

75 27.9 23.7 35.5





#13

1,4-Dichlorobenzene

Concen: 46.233 ng

RT: 7.825 min Scan# 81

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion:146 Resp: 61032

Ion Ratio Lower Upper

146 100

148 64.3 51.6 77.4

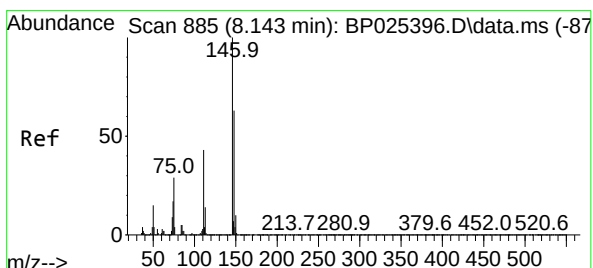
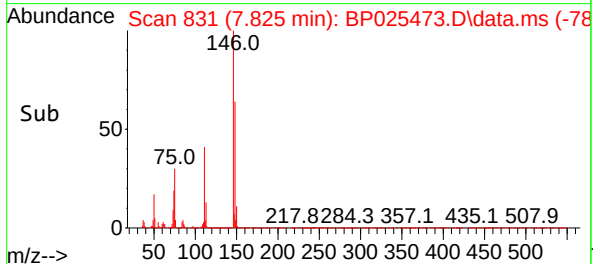
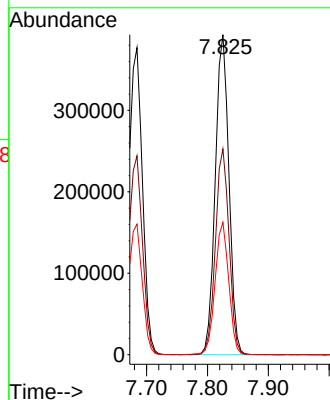
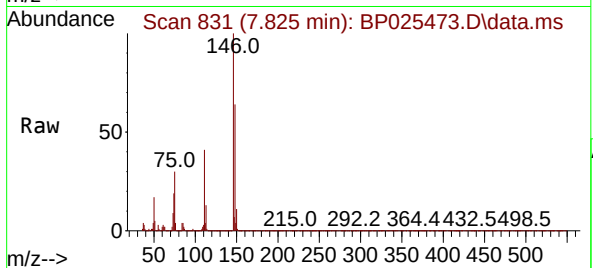
111 41.4 33.4 50.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#14

1,2-Dichlorobenzene

Concen: 46.093 ng

RT: 8.137 min Scan# 884

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

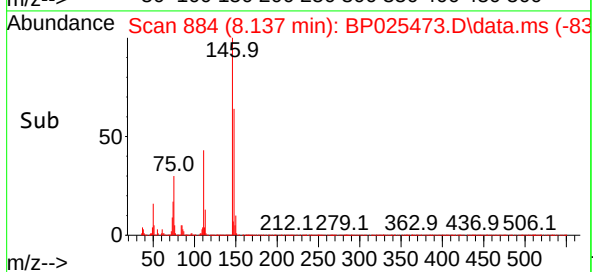
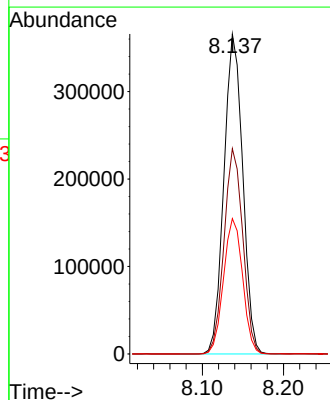
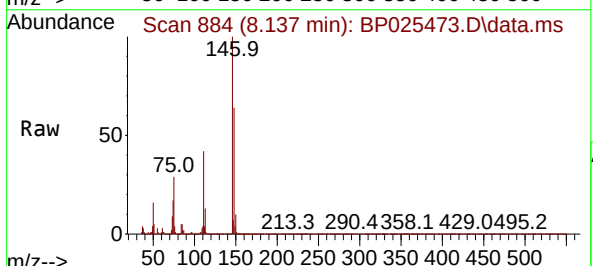
Tgt Ion:146 Resp: 589005

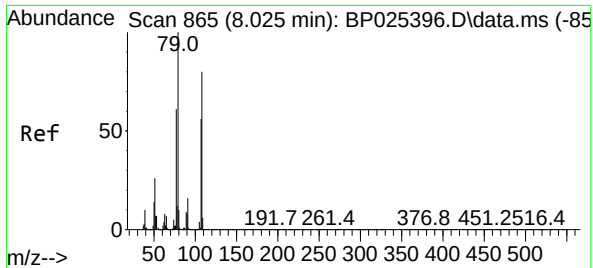
Ion Ratio Lower Upper

146 100

148 64.2 50.4 75.6

111 42.3 34.5 51.7





#15

Benzyl Alcohol

Concen: 47.704 ng

RT: 8.025 min Scan# 80

Delta R.T. 0.000 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

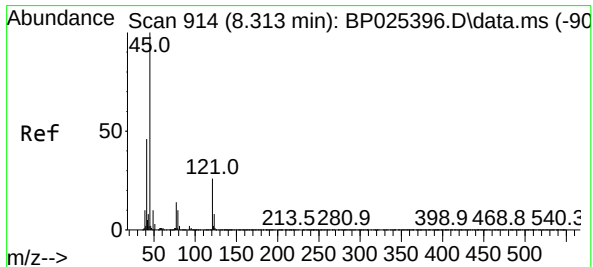
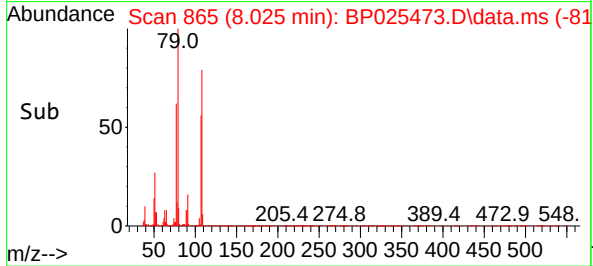
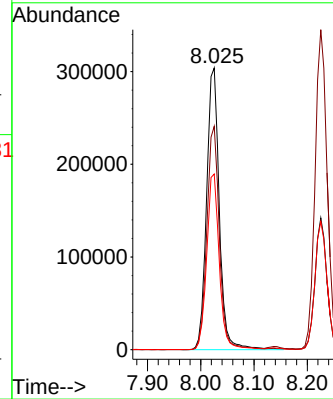
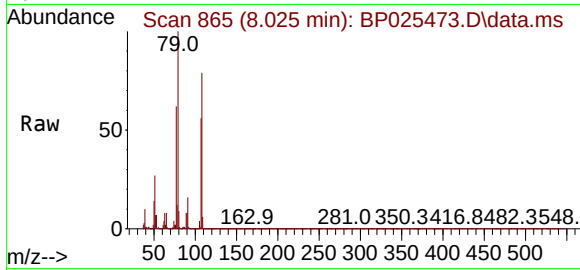
PB169244BSD

Tgt Ion: 79	Resp: 504404
Ion Ratio	Lower Upper
79	100
108	79.2 63.8 95.6
77	62.4 49.0 73.4

Manual Integrations
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Supervised By :Jagrut Upadhyay 08/20/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.263 ng

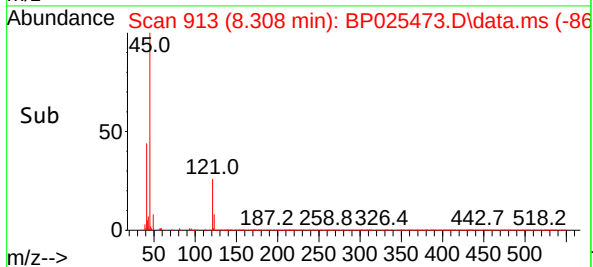
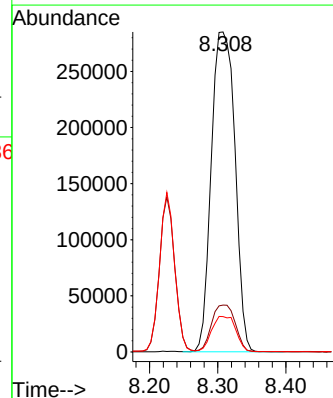
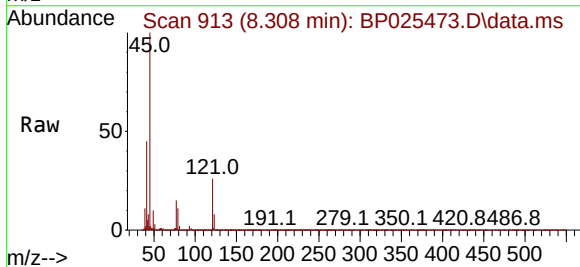
RT: 8.308 min Scan# 913

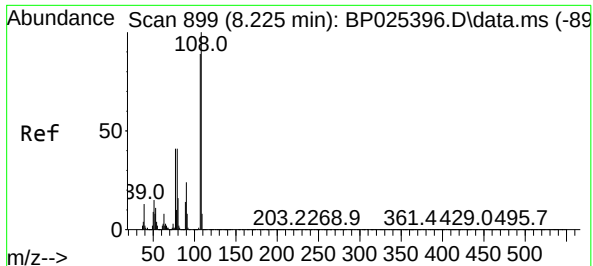
Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

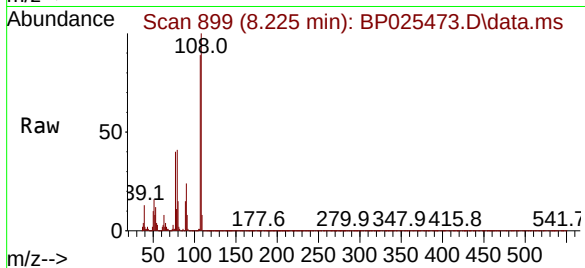
Tgt Ion: 45	Resp: 689083
Ion Ratio	Lower Upper
45	100
77	14.6 0.0 35.3
79	11.1 0.0 31.8





#17
2-Methylphenol
Concen: 49.736 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

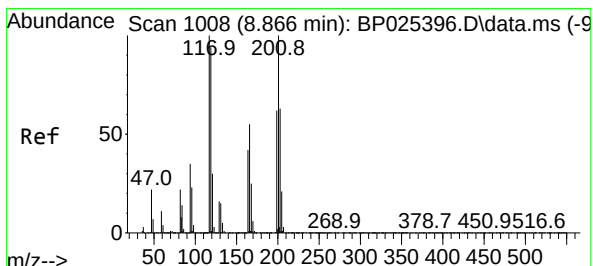
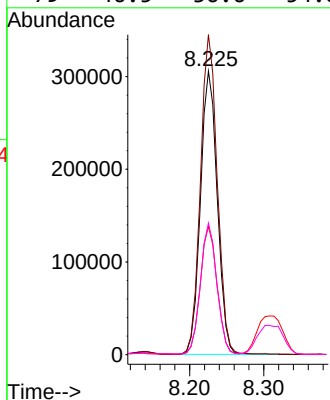
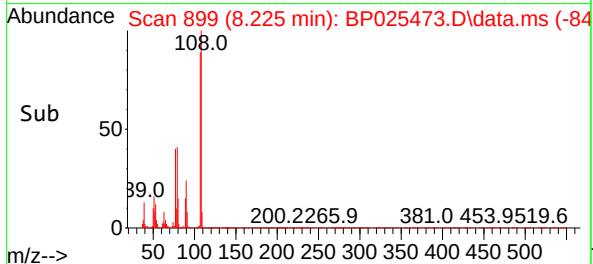
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



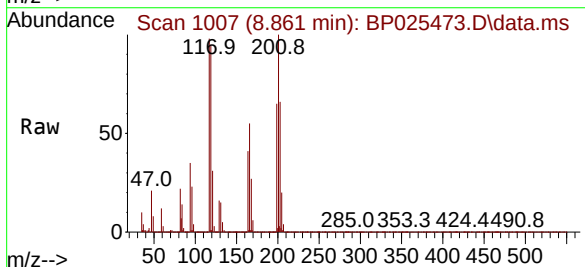
Tgt Ion:107 Resp: 482348
Ion Ratio Lower Upper
107 100
108 112.9 89.4 134.0
77 45.2 36.3 54.5
79 46.5 36.6 54.8

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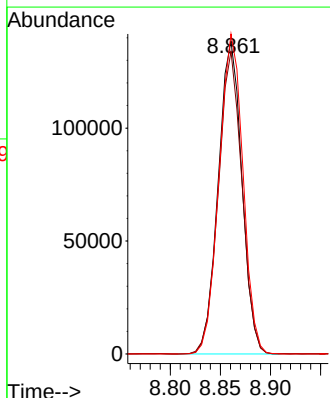
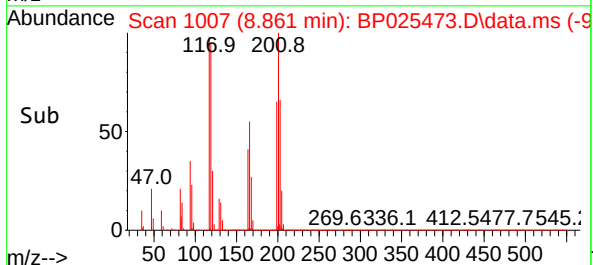
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

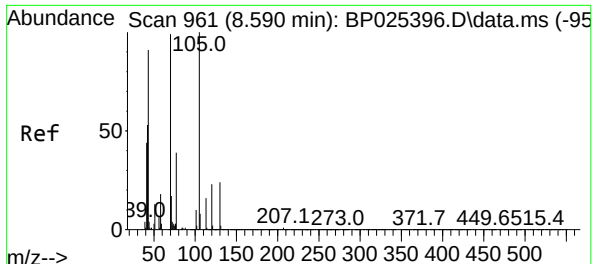


#18
Hexachloroethane
Concen: 46.811 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



Tgt Ion:117 Resp: 227208
Ion Ratio Lower Upper
117 100
119 96.8 75.1 112.7
201 102.3 80.1 120.1





#19

n-Nitroso-di-n-propylamine

Concen: 44.678 ng

RT: 8.584 min Scan# 961

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion: 70 Resp: 39382

Ion Ratio Lower Upper

70 100

42 56.2 43.8 65.6

101 11.1 8.5 12.7

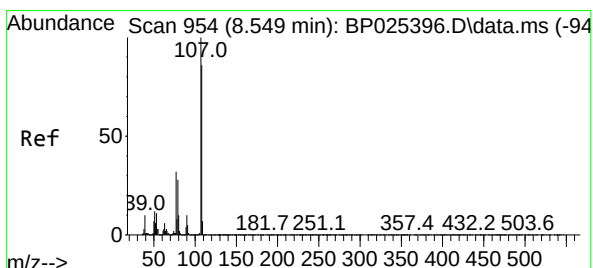
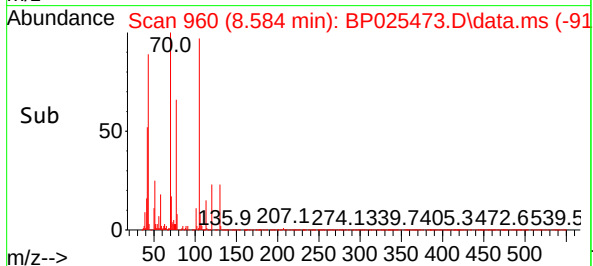
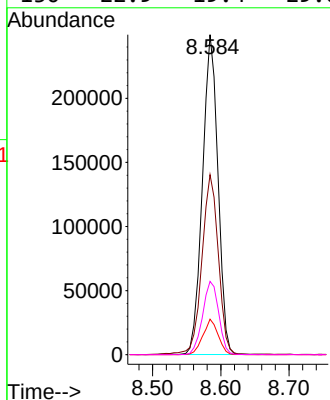
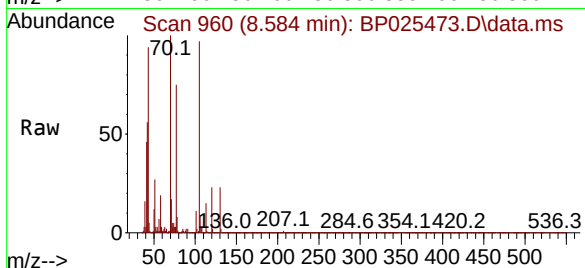
130 22.9 19.4 29.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#20

3+4-Methylphenols

Concen: 49.134 ng

RT: 8.549 min Scan# 954

Delta R.T. 0.000 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Tgt Ion:107 Resp: 660509

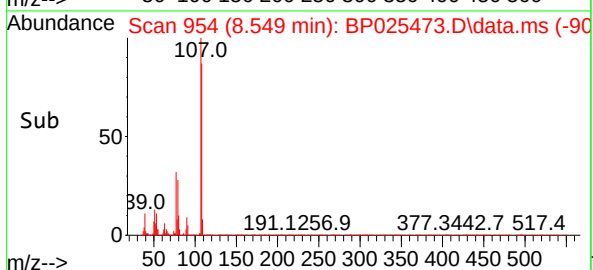
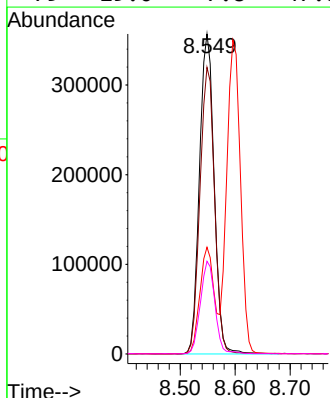
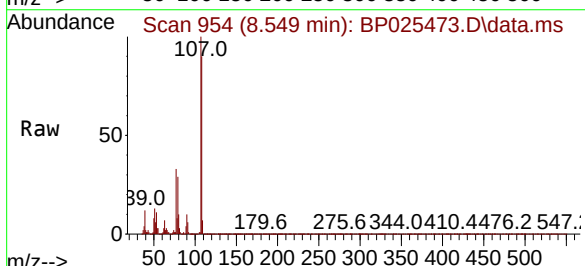
Ion Ratio Lower Upper

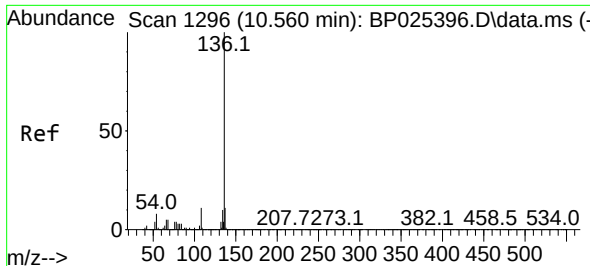
107 100

108 89.5 66.3 106.3

77 33.4 12.3 52.3

79 29.0 7.8 47.8





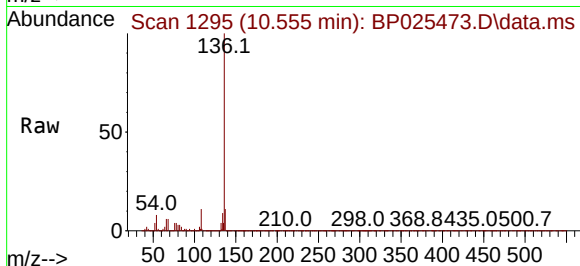
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

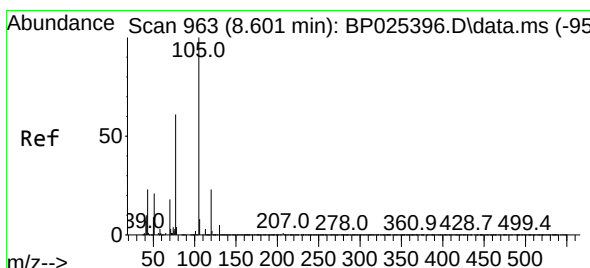
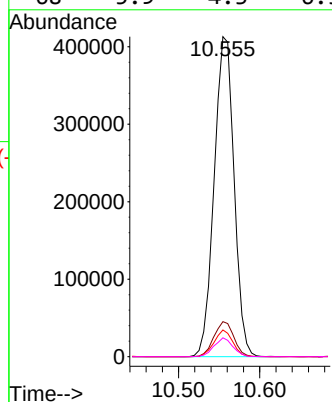
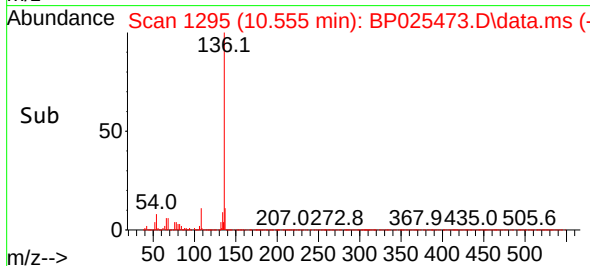
PB169244BSD



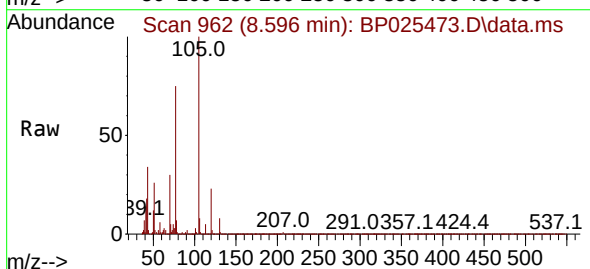
Tgt Ion:136 Resp: 704478
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 8.4 6.0 9.0
68 5.9 4.3 6.5

Manual Integrations
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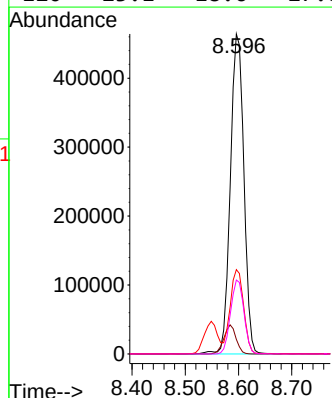
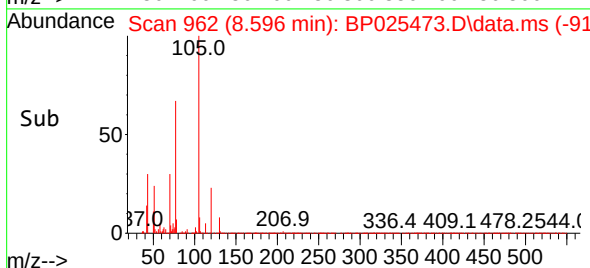
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

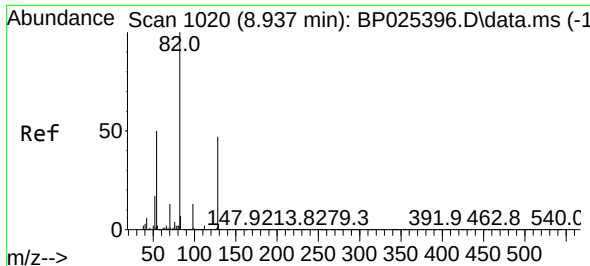


#22
Acetophenone
Concen: 46.389 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



Tgt Ion:105 Resp: 819556
Ion Ratio Lower Upper
105 100
71 4.5 2.6 4.0#
51 26.4 20.6 30.8
120 23.1 18.6 27.8





#23

Nitrobenzene-d5

Concen: 84.587 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion: 82 Resp: 1177998

Ion Ratio Lower Upper

82 100

128 47.3 37.7 56.5

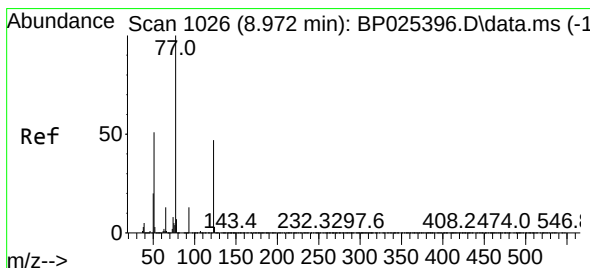
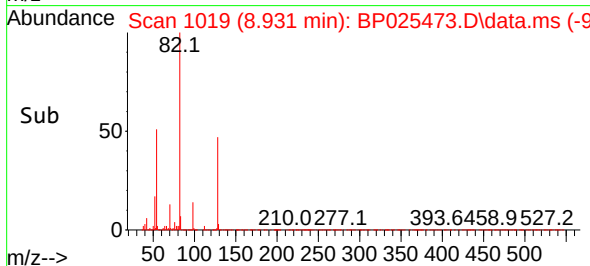
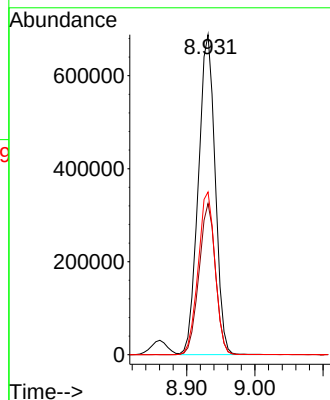
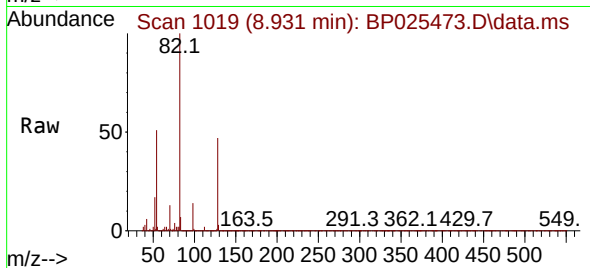
54 50.9 39.8 59.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#24

Nitrobenzene

Concen: 47.489 ng

RT: 8.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

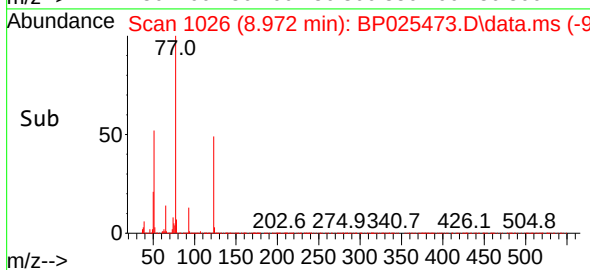
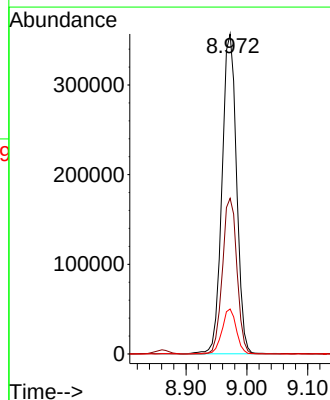
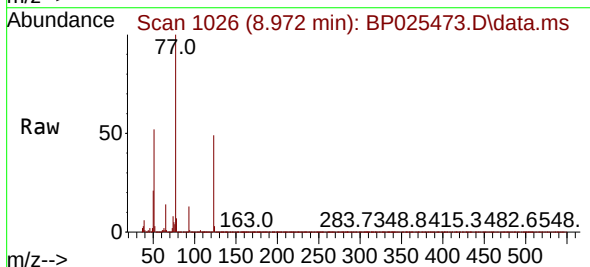
Tgt Ion: 77 Resp: 591064

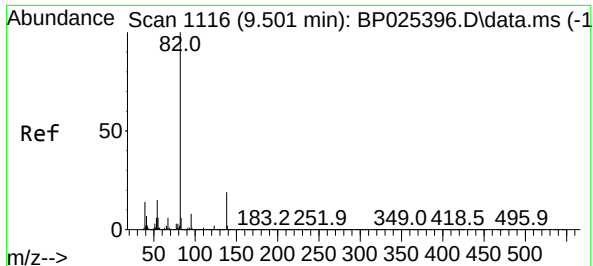
Ion Ratio Lower Upper

77 100

123 48.7 38.6 58.0

65 14.1 10.6 15.8





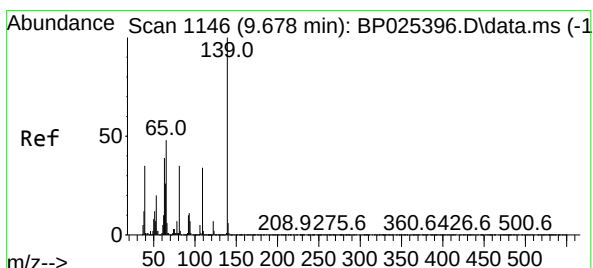
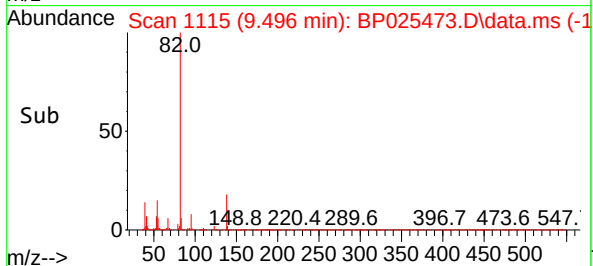
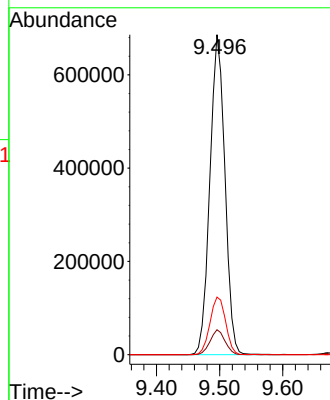
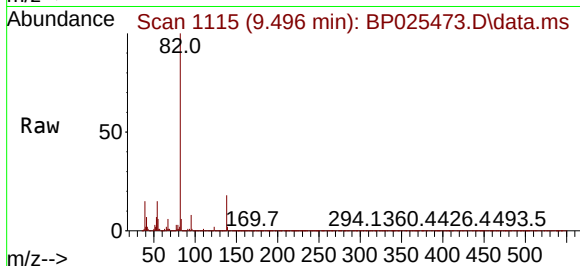
#25
Isophorone
Concen: 46.032 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :
BNA_P
ClientSampleId :
PB169244BSD

Tgt Ion: 82 Resp: 113451
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 18.0 15.4 23.0

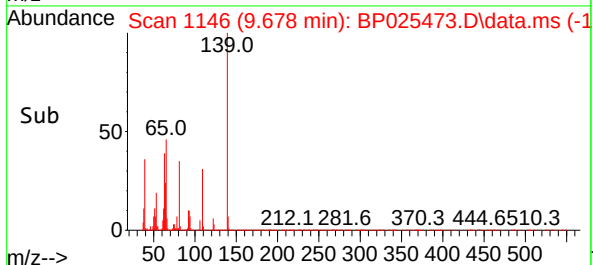
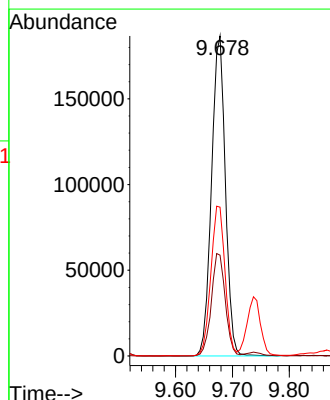
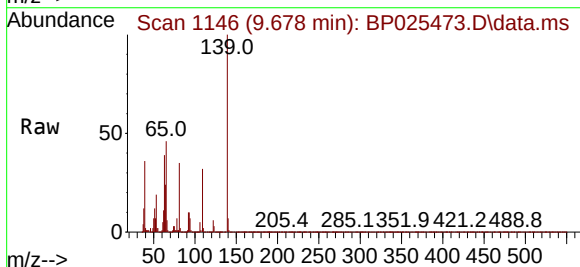
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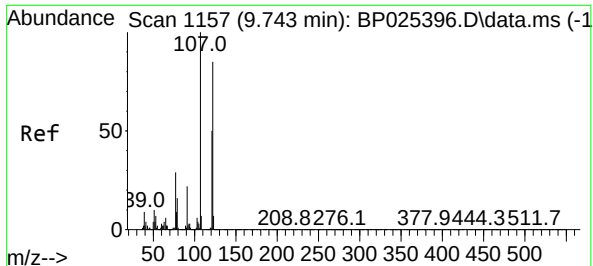
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#26
2-Nitrophenol
Concen: 49.309 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:139 Resp: 314959
Ion Ratio Lower Upper
139 100
109 31.5 26.9 40.3
65 46.5 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 50.825 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion:122 Resp: 55829

Ion Ratio Lower Upper

122 100

107 117.0 93.7 140.5

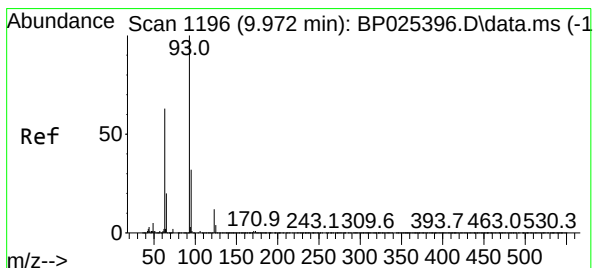
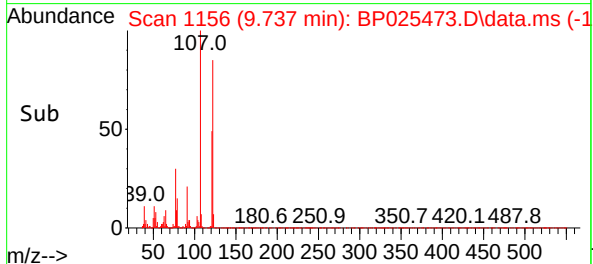
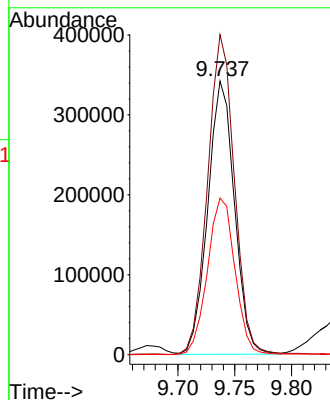
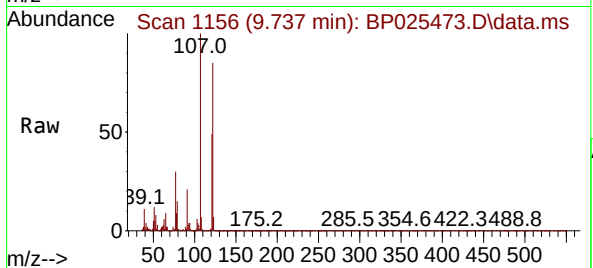
121 57.3 46.6 69.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#28

bis(2-Chloroethoxy)methane

Concen: 46.914 ng

RT: 9.966 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

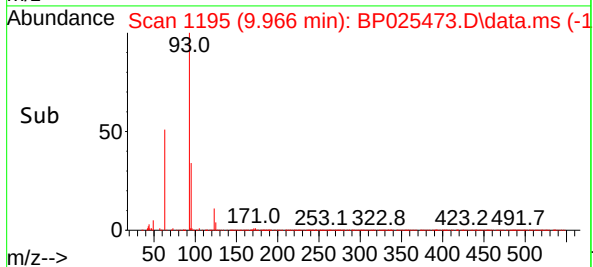
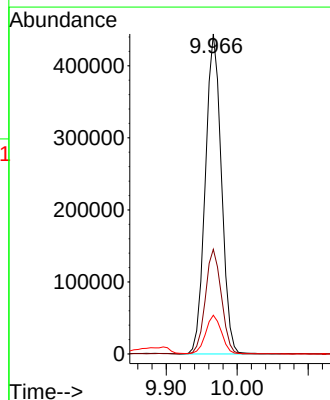
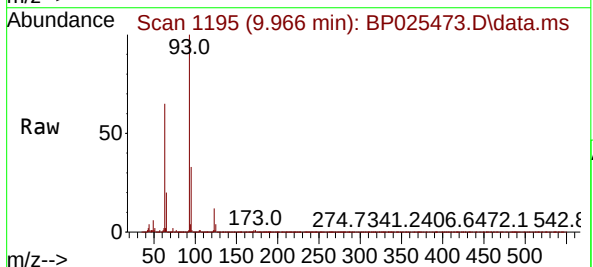
Tgt Ion: 93 Resp: 698931

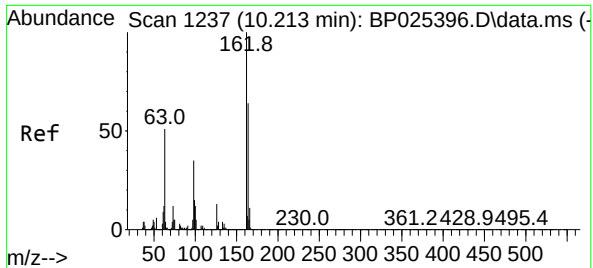
Ion Ratio Lower Upper

93 100

95 32.7 25.4 38.0

123 12.1 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 51.769 ng

RT: 10.208 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion:162 Resp: 564908

Ion Ratio Lower Upper

162 100

164 64.2 44.4 84.4

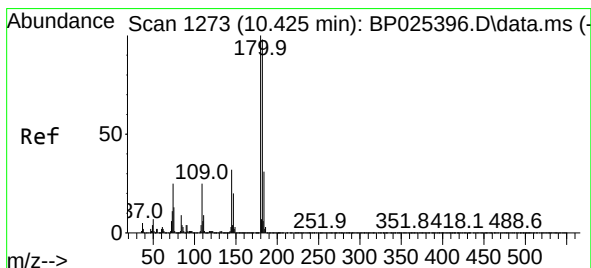
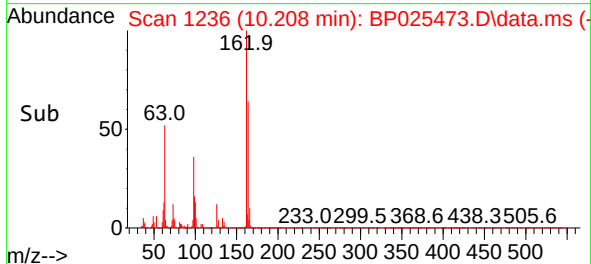
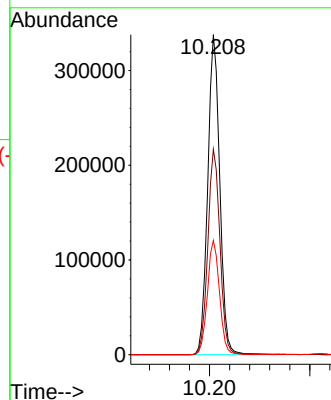
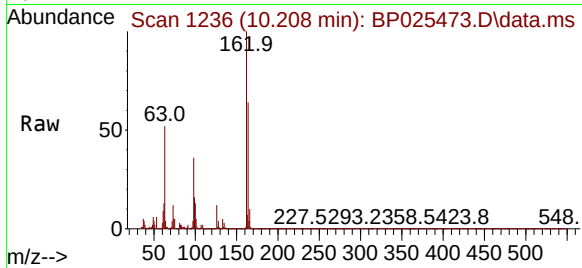
98 35.7 14.9 54.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#30

1,2,4-Trichlorobenzene

Concen: 46.307 ng

RT: 10.419 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

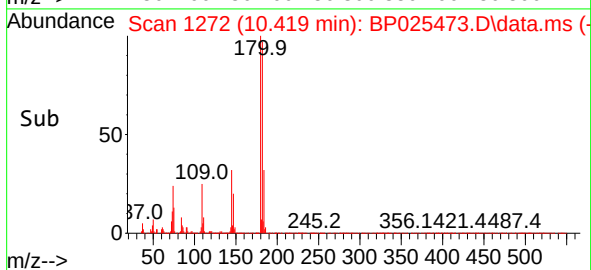
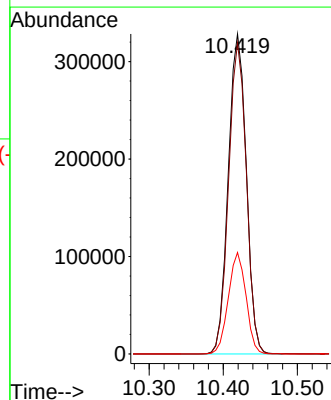
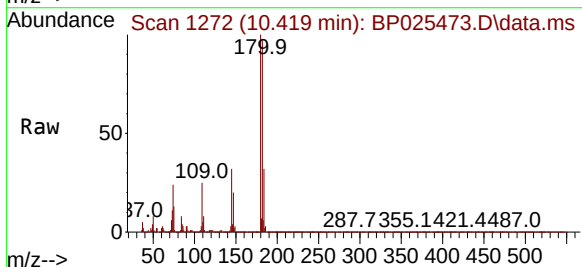
Tgt Ion:180 Resp: 553924

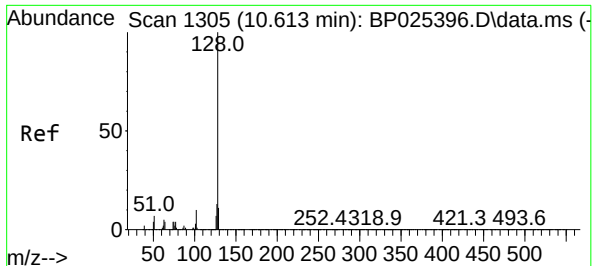
Ion Ratio Lower Upper

180 100

182 97.2 78.0 117.0

145 31.7 25.9 38.9





#31

Naphthalene

Concen: 46.717 ng

RT: 10.608 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion:128 Resp: 1710559

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

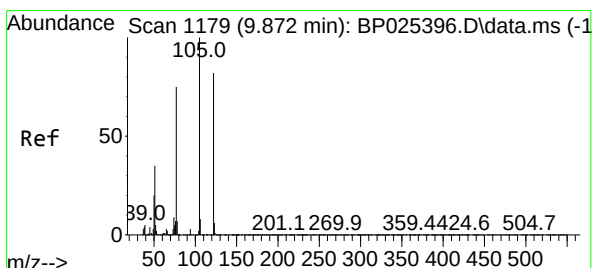
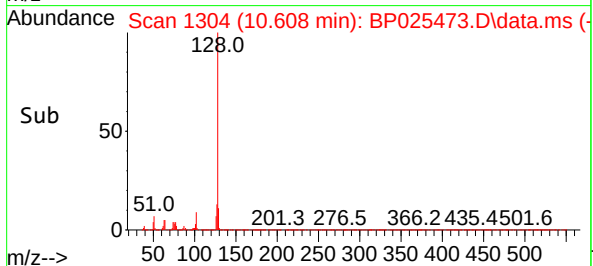
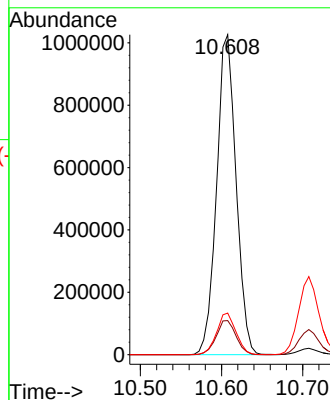
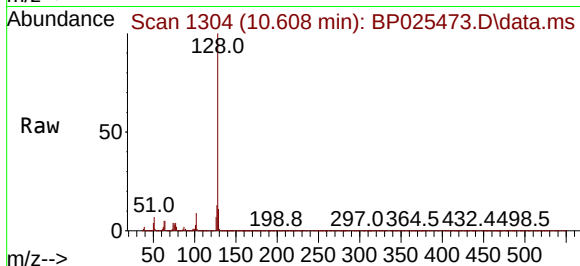
127 13.0 10.7 16.1

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#32

Benzoic acid

Concen: 54.190 ng

RT: 9.896 min Scan# 1183

Delta R.T. 0.024 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

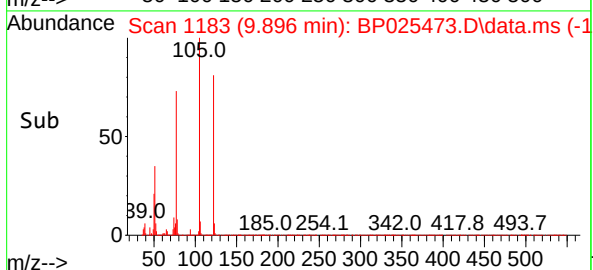
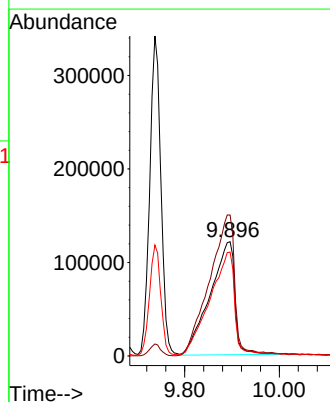
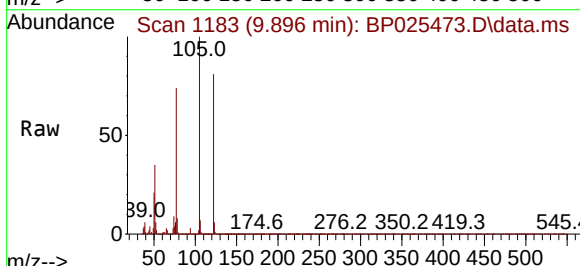
Tgt Ion:122 Resp: 439462

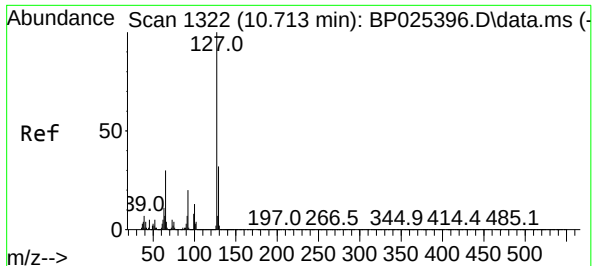
Ion Ratio Lower Upper

122 100

105 123.3 100.6 140.6

77 90.8 71.5 111.5





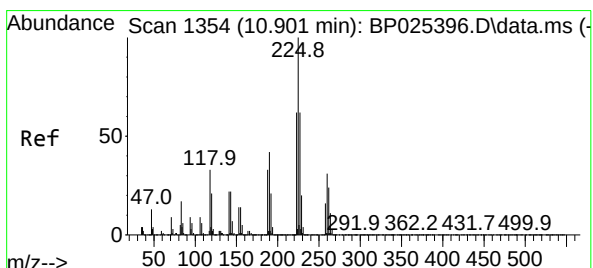
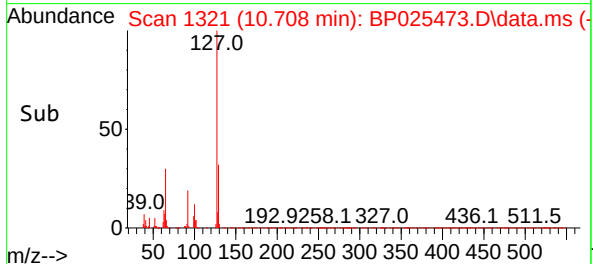
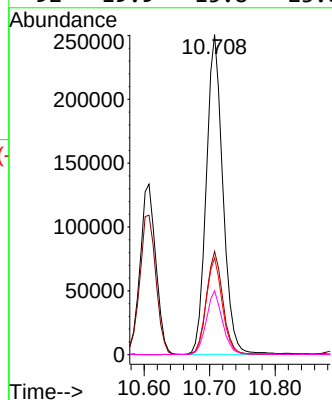
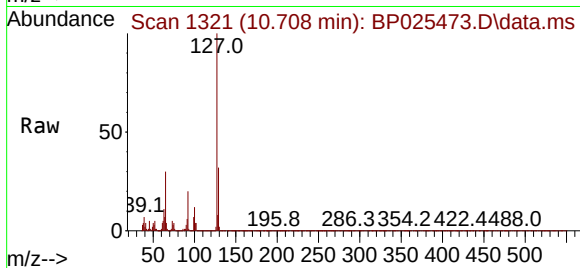
#33
4-Chloroaniline
Concen: 27.233 ng
RT: 10.708 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :
BNA_P
ClientSampleId :
PB169244BSD

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.4	38.2
65	30.3	23.8	35.6
92	19.9	15.8	23.8

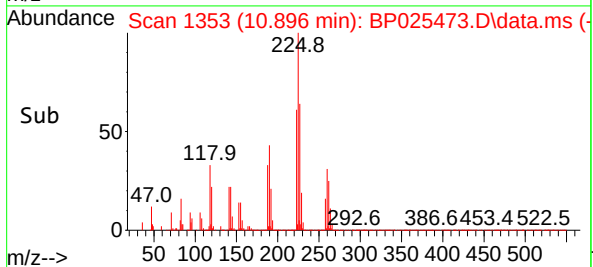
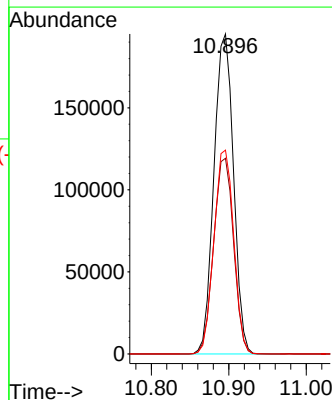
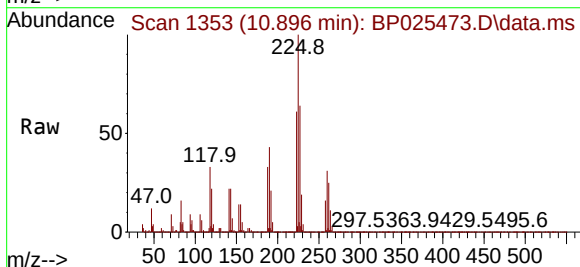
Manual Integrations
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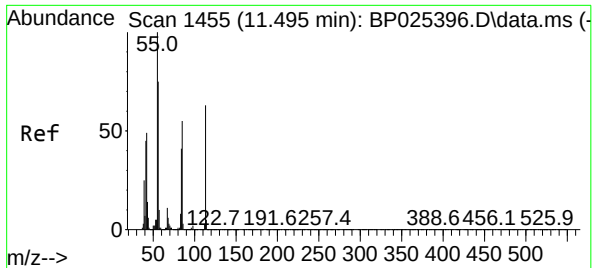
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#34
Hexachlorobutadiene
Concen: 46.008 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

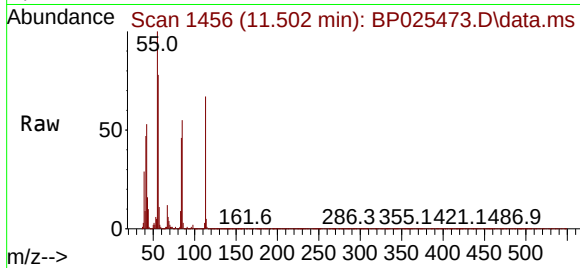
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	50.0	75.0
227	63.7	49.7	74.5





#35
Caprolactam
Concen: 52.506 ng m
RT: 11.502 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

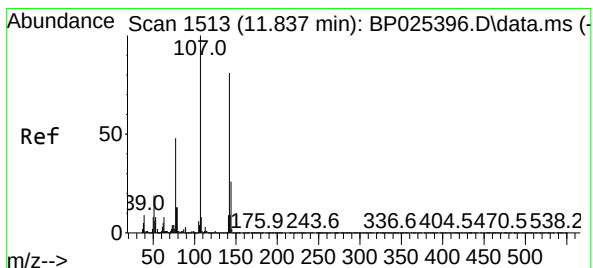
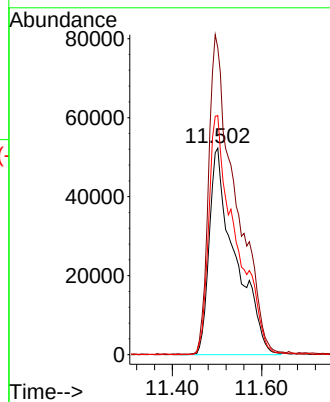
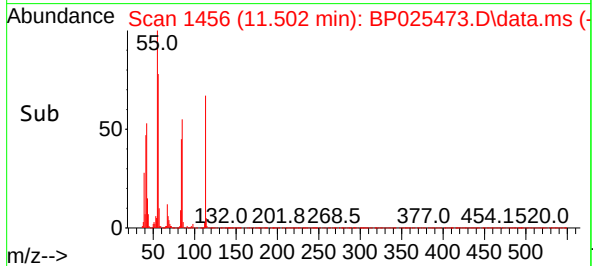
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



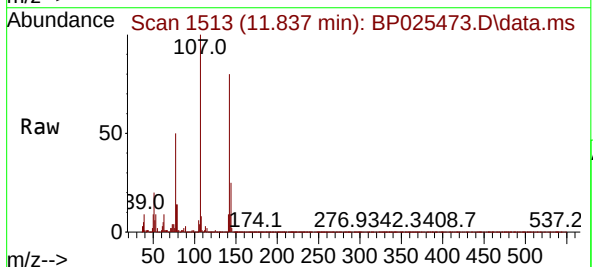
Tgt Ion:113 Resp: 21088
Ion Ratio Lower Upper
113 100
55 148.5 140.0 180.0
56 115.7 100.0 140.0

Manual Integrations
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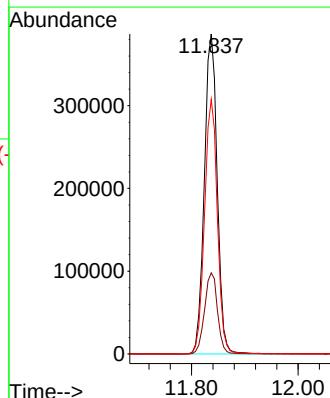
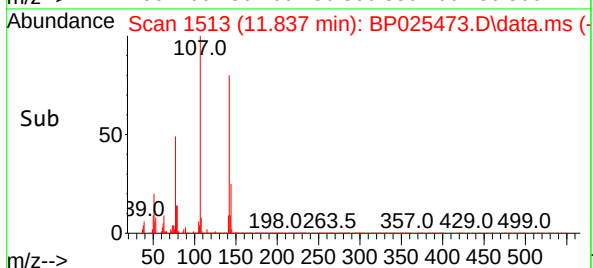
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

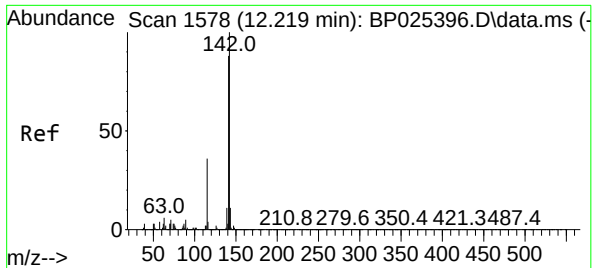


#36
4-Chloro-3-methylphenol
Concen: 51.621 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



Tgt Ion:107 Resp: 646361
Ion Ratio Lower Upper
107 100
144 25.3 21.0 31.4
142 79.5 64.6 97.0





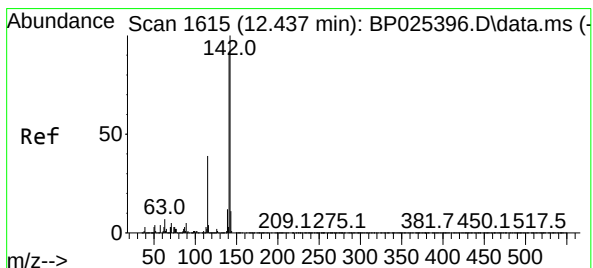
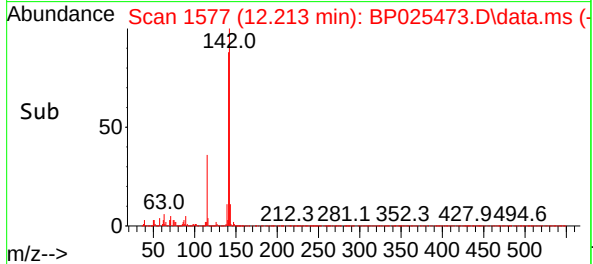
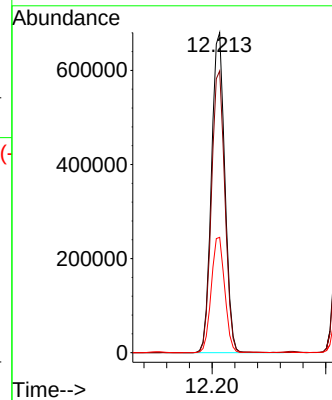
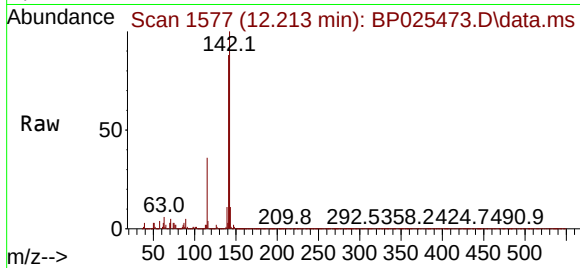
#37
2-Methylnaphthalene
Concen: 46.469 ng
RT: 12.213 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :
BNA_P
ClientSampleId :
PB169244BSD

Tgt Ion:142 Resp: 1107270
Ion Ratio Lower Upper
142 100
141 88.1 70.3 105.5
115 36.1 28.9 43.3

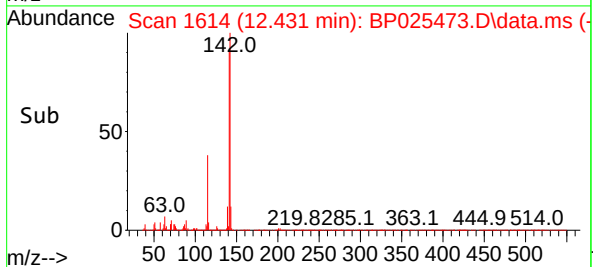
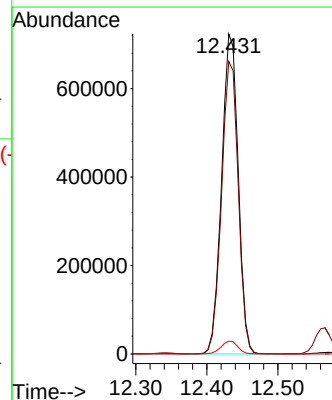
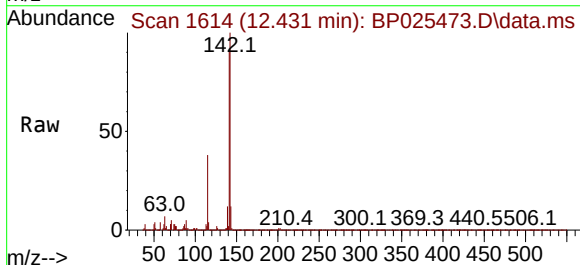
Manual Integrations
APPROVED

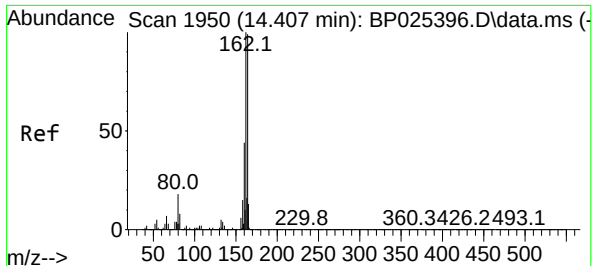
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#38
1-Methylnaphthalene
Concen: 46.102 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:142 Resp: 1168249
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7
116 4.0 3.2 4.8





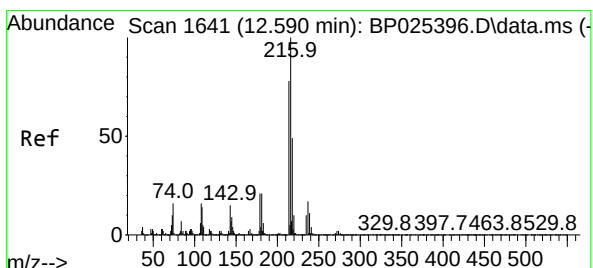
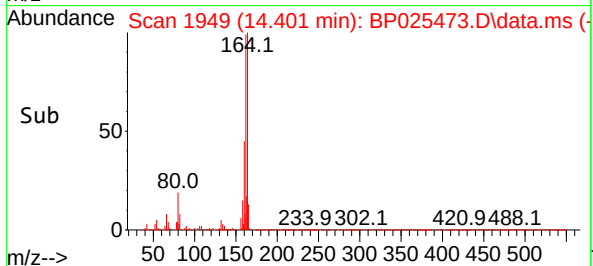
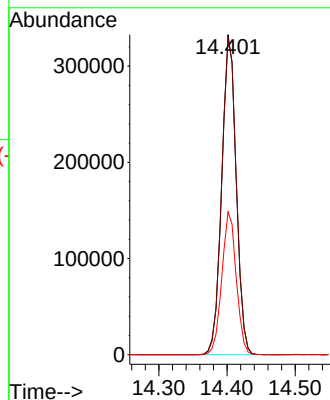
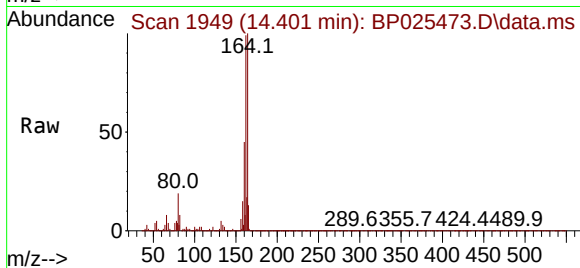
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :
BNA_P
ClientSampleId :
PB169244BSD

Tgt Ion:164 Resp: 488785
Ion Ratio Lower Upper
164 100
162 98.6 81.0 121.6
160 44.6 35.4 53.2

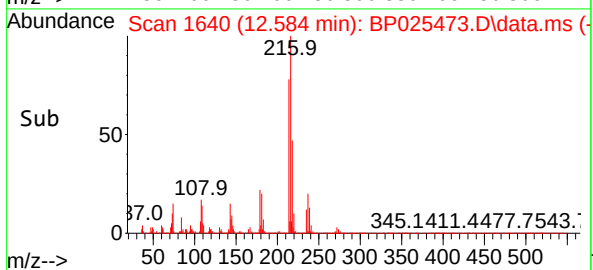
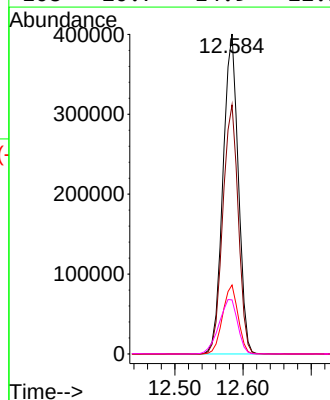
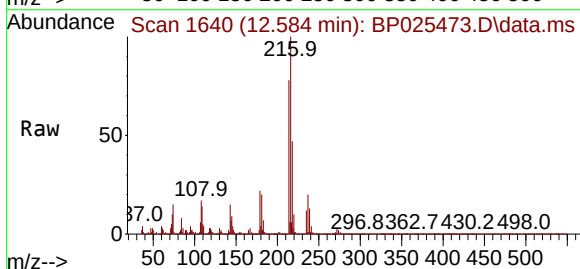
Manual Integrations
APPROVED

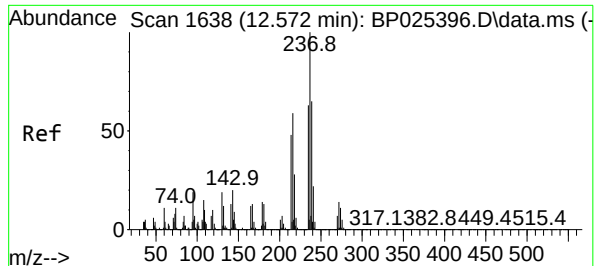
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.362 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

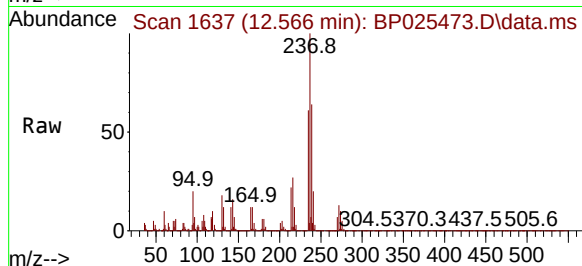
Tgt Ion:216 Resp: 626241
Ion Ratio Lower Upper
216 100
214 78.6 63.0 94.4
179 21.7 17.1 25.7
108 20.7 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 90.496 ng
RT: 12.566 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

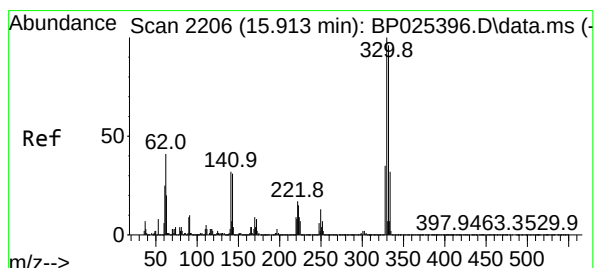
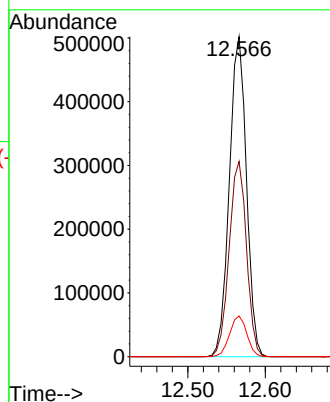
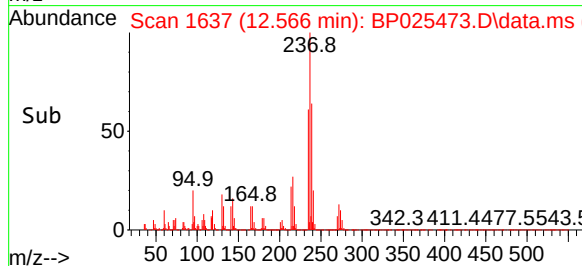
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



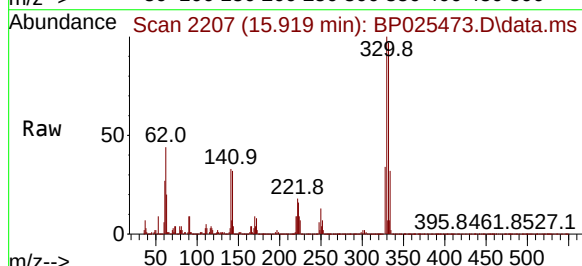
Tgt Ion: 237 Resp: 771660
Ion Ratio Lower Upper
237 100
235 61.0 42.7 82.7
272 12.7 0.0 34.0

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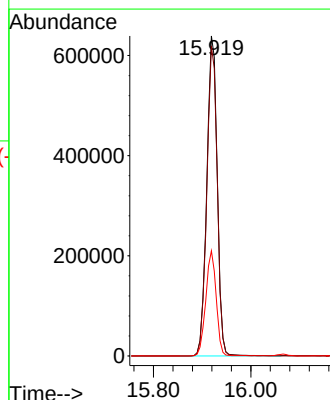
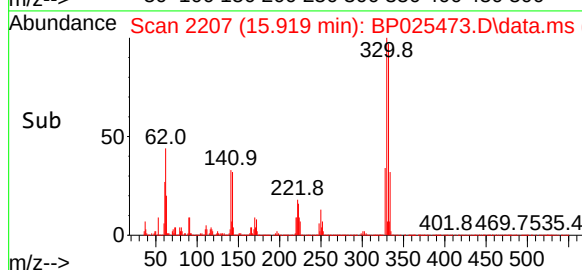
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

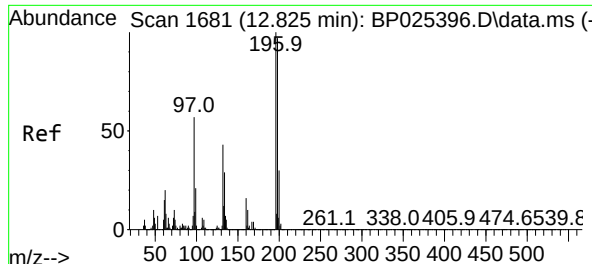


#42
2,4,6-Tribromophenol
Concen: 144.154 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



Tgt Ion: 330 Resp: 948405
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 32.9 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 50.315 ng

RT: 12.825 min Scan# 1681

Delta R.T. 0.000 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion:196 Resp: 479514

Ion Ratio Lower Upper

196 100

198 95.5 77.2 115.8

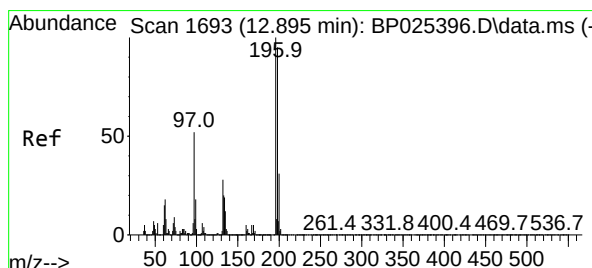
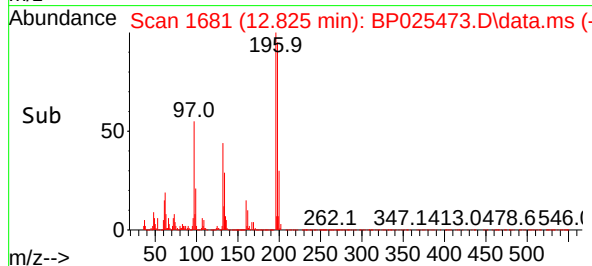
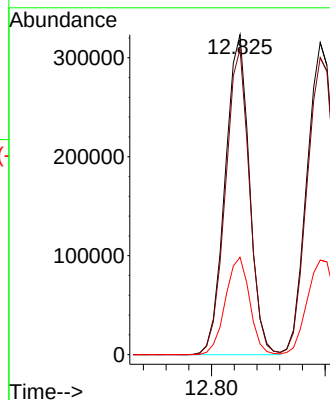
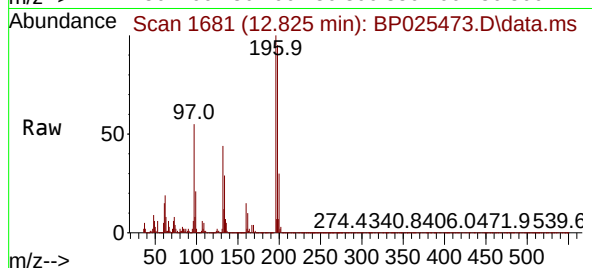
200 30.4 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#44

2,4,5-Trichlorophenol

Concen: 51.353 ng

RT: 12.896 min Scan# 1693

Delta R.T. 0.000 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Tgt Ion:196 Resp: 536382

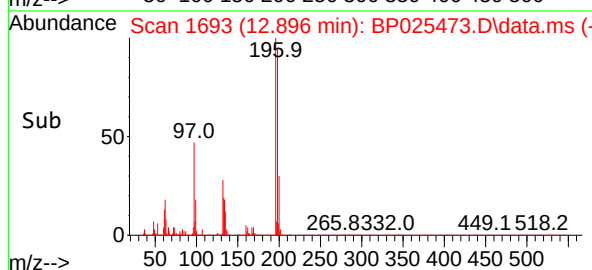
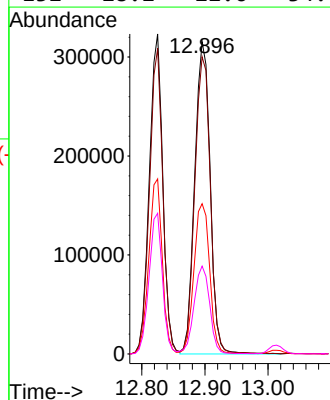
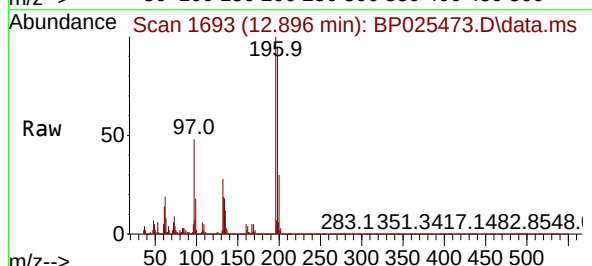
Ion Ratio Lower Upper

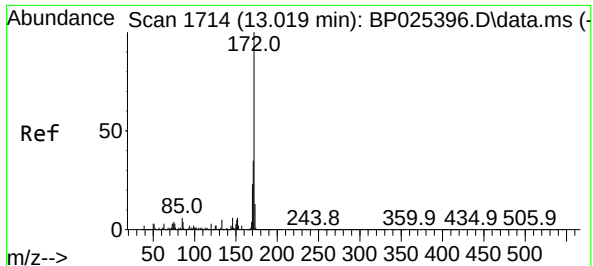
196 100

198 95.2 76.2 114.2

97 48.1 41.2 61.8

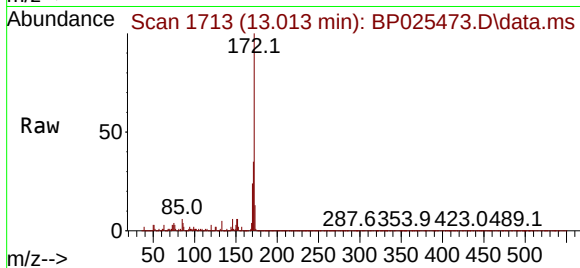
132 28.2 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 79.179 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

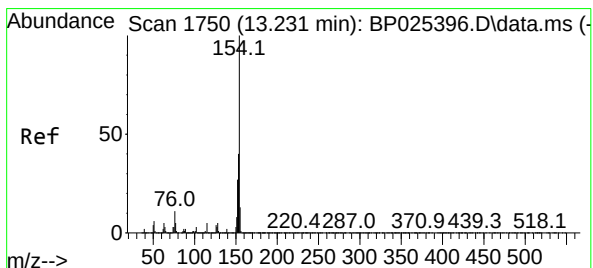
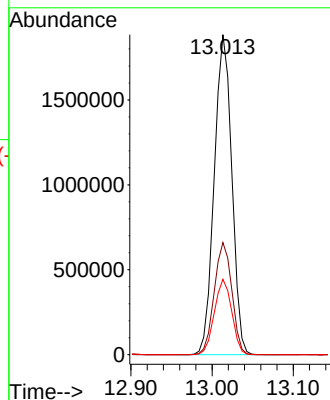
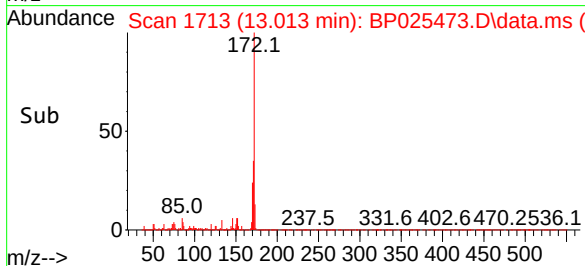
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



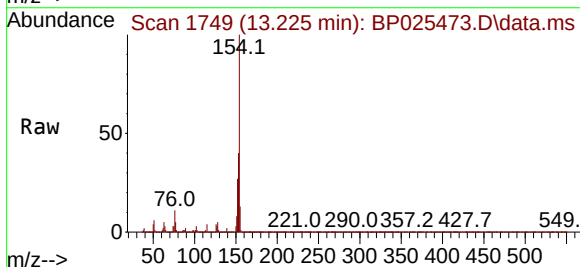
Tgt Ion:172 Resp: 2831780
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.5 18.6 28.0

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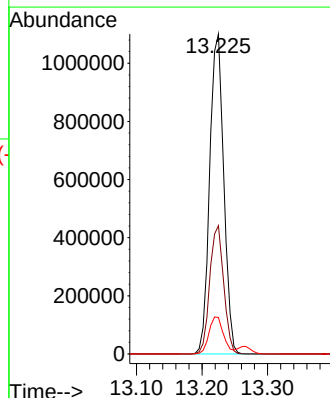
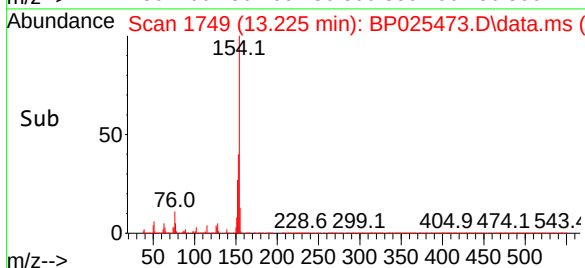
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

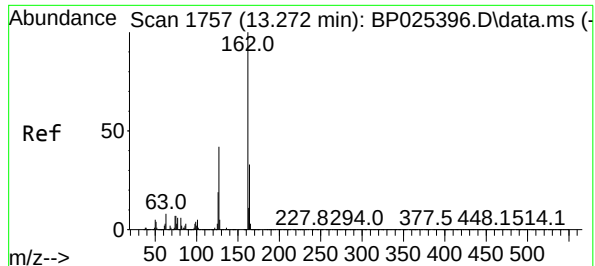


#46
1,1'-Biphenyl
Concen: 46.160 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



Tgt Ion:154 Resp: 1638603
Ion Ratio Lower Upper
154 100
153 40.1 19.5 59.5
76 11.4 0.0 31.1





#47

2-Chloronaphthalene

Concen: 45.586 ng

RT: 13.266 min Scan# 1756

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion:162 Resp: 125978

Ion Ratio Lower Upper

162 100

127 39.6 33.4 50.2

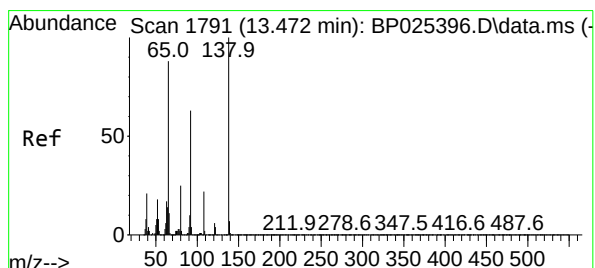
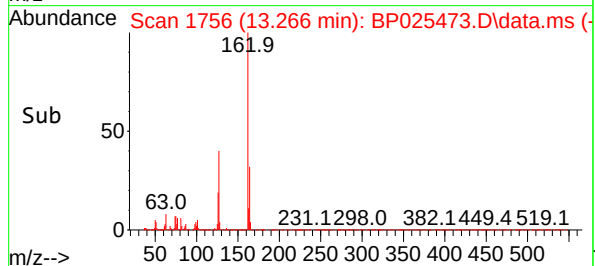
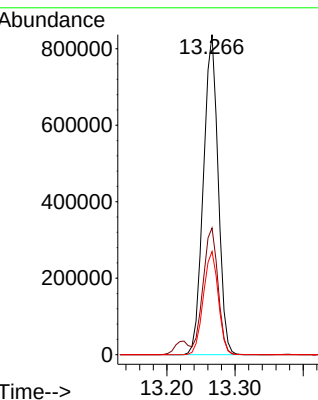
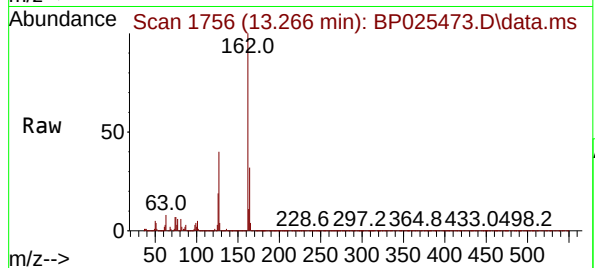
164 32.2 26.2 39.2

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#48

2-Nitroaniline

Concen: 51.546 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

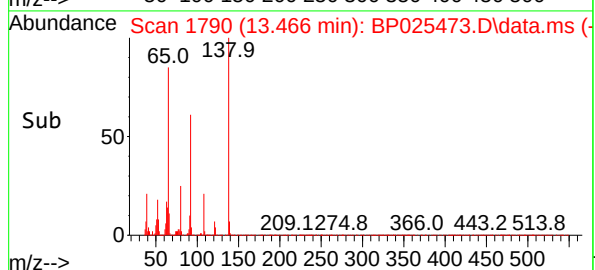
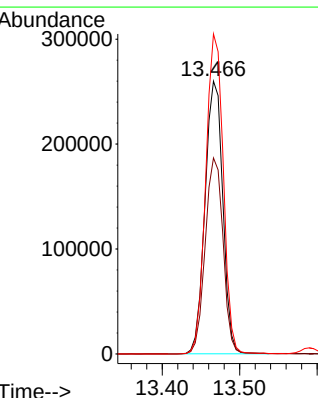
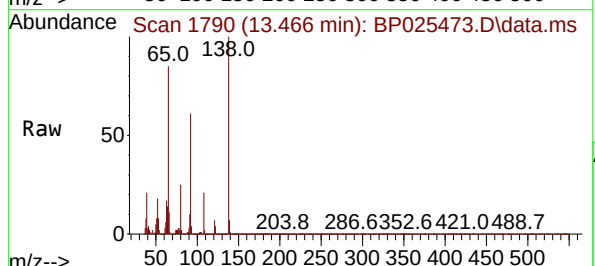
Tgt Ion: 65 Resp: 415059

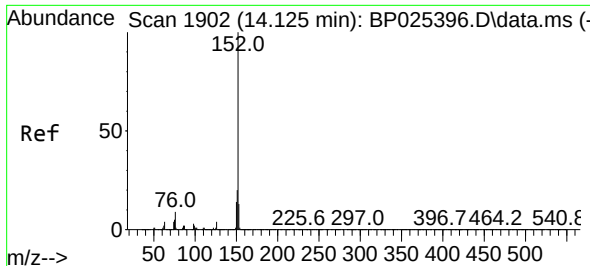
Ion Ratio Lower Upper

65 100

92 71.9 57.6 86.4

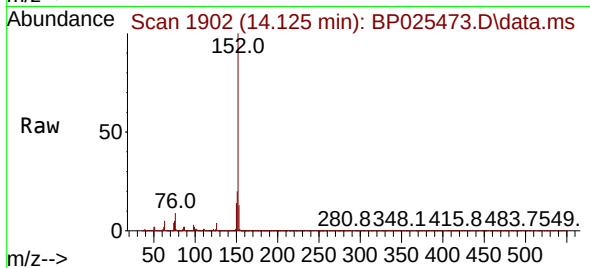
138 117.3 91.0 136.6





#49
Acenaphthylene
Concen: 47.615 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

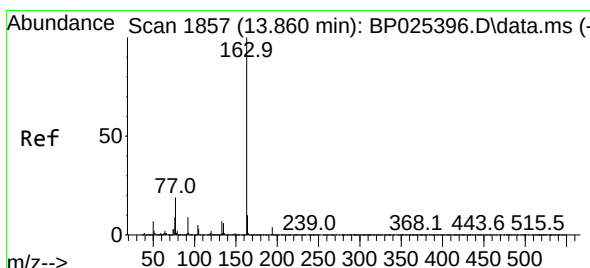
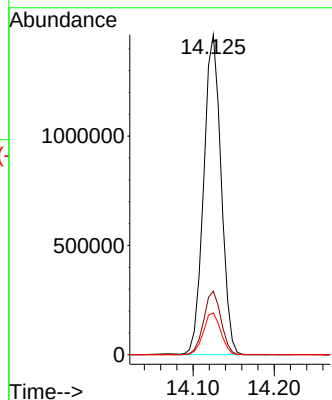
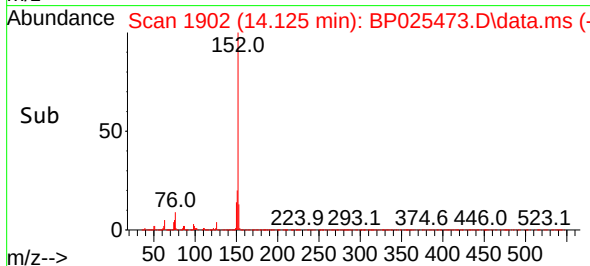
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



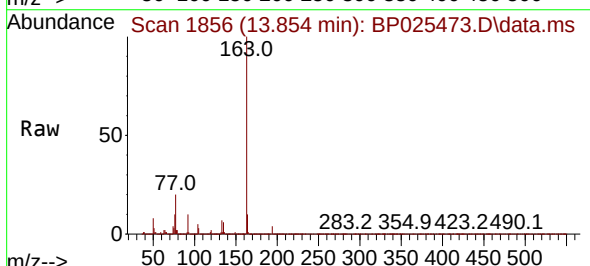
Tgt Ion:152 Resp: 217736
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.0 10.6 15.8

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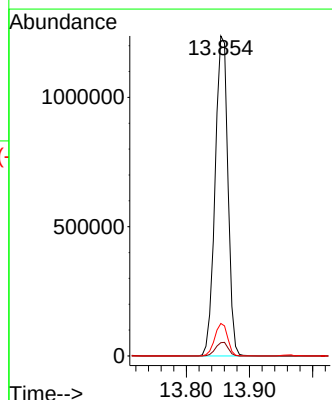
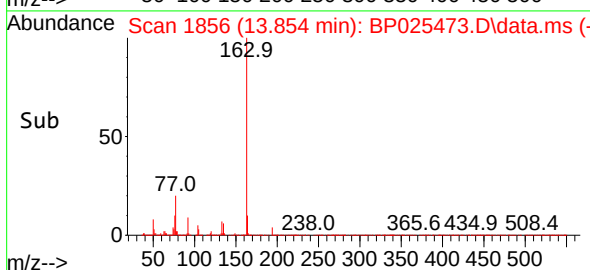
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

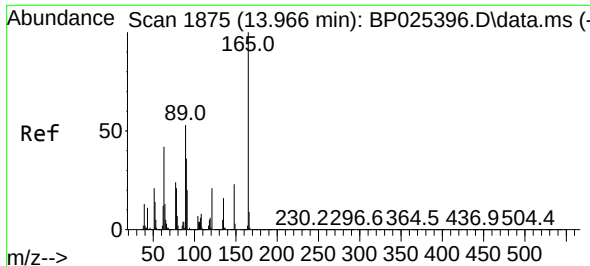


#50
Dimethylphthalate
Concen: 48.585 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



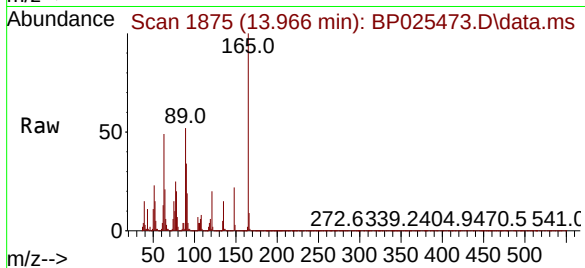
Tgt Ion:163 Resp: 1738994
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.2 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 52.404 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

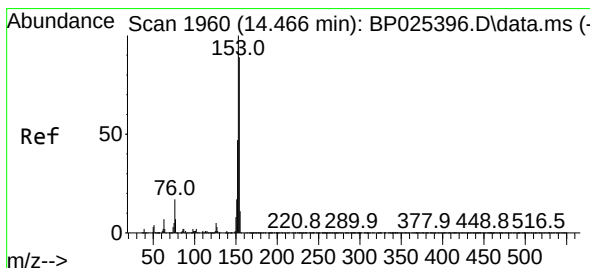
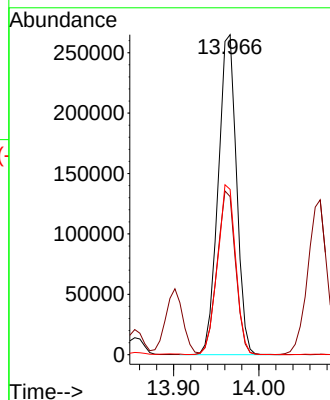
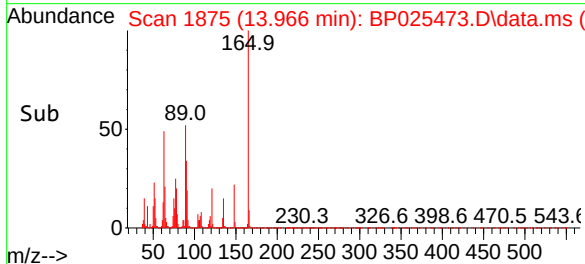
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



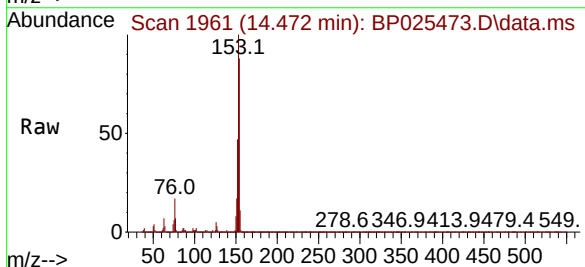
Tgt Ion:165 Resp: 39534
Ion Ratio Lower Upper
165 100
63 49.4 40.9 61.3
89 51.6 42.1 63.1

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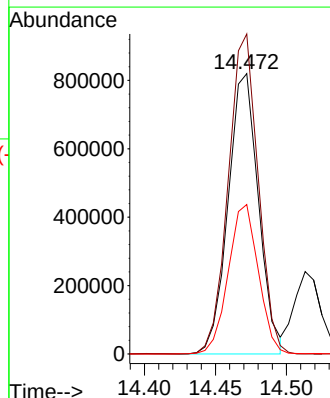
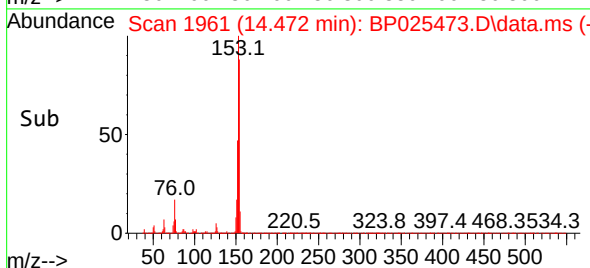
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

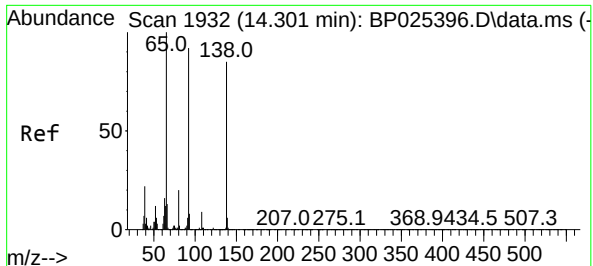


#52
Acenaphthene
Concen: 45.457 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



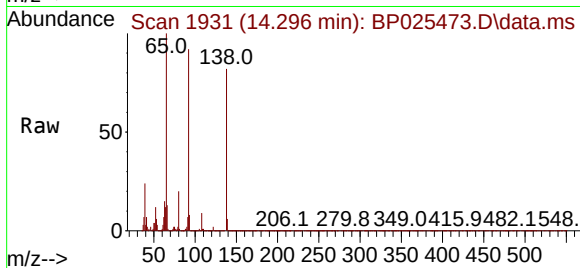
Tgt Ion:154 Resp: 1220137
Ion Ratio Lower Upper
154 100
153 114.1 90.2 135.2
152 53.3 42.1 63.1





#53
3-Nitroaniline
Concen: 35.392 ng
RT: 14.296 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

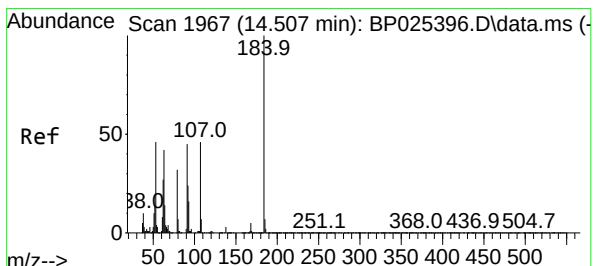
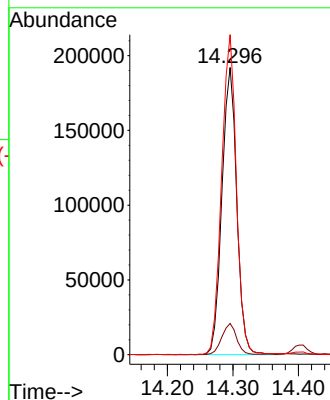
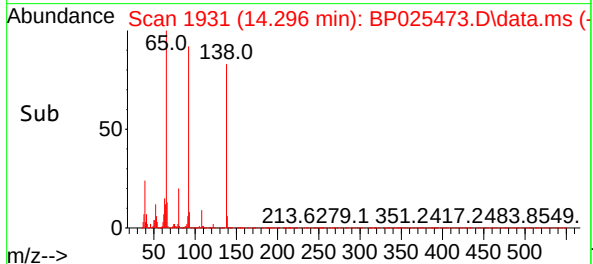
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



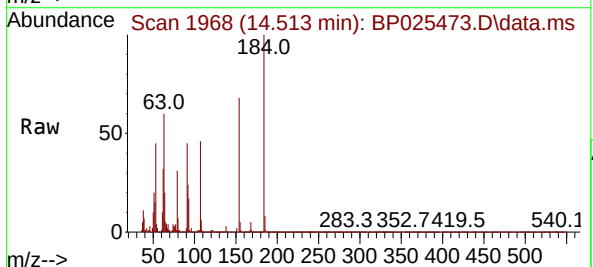
Tgt Ion:138 Resp: 30040
Ion Ratio Lower Upper
138 100
108 10.9 8.3 12.5
92 111.4 86.2 129.2

Manual Integrations
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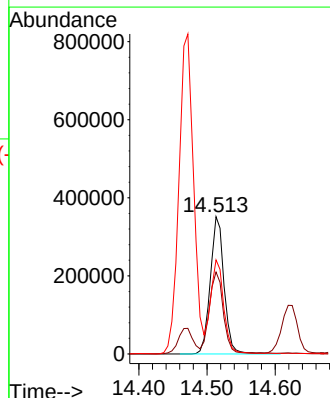
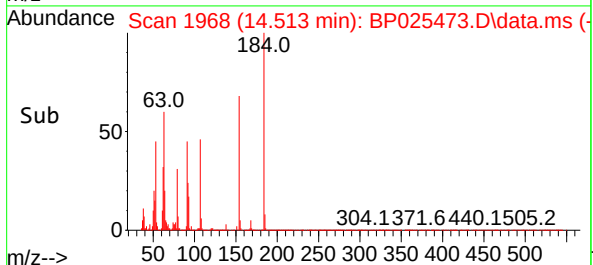
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

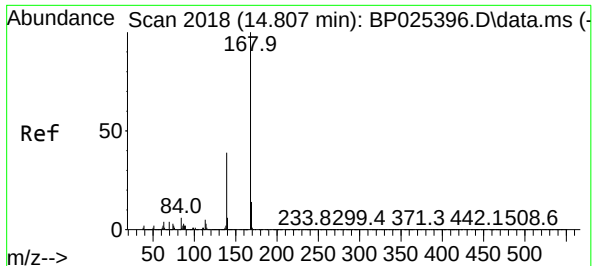


#54
2,4-Dinitrophenol
Concen: 123.038 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



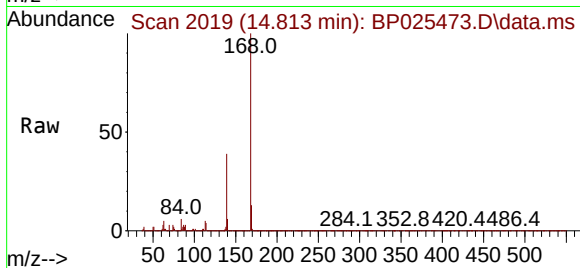
Tgt Ion:184 Resp: 495694
Ion Ratio Lower Upper
184 100
63 59.7 49.4 74.2
154 68.5 54.6 82.0





#55
Dibenzenofuran
Concen: 47.295 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

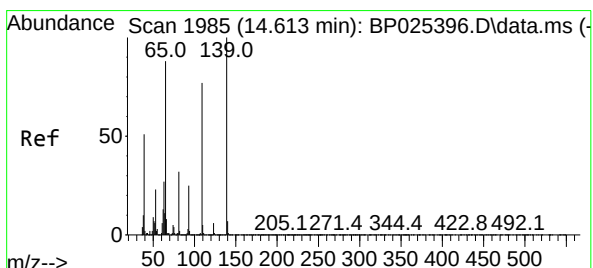
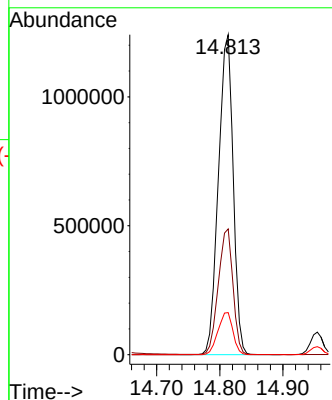
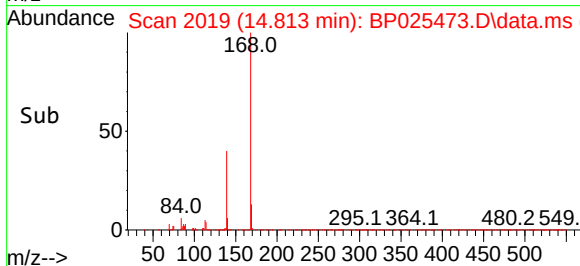
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



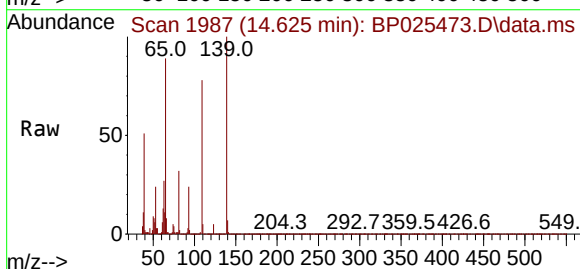
Tgt Ion:168 Resp: 200704
Ion Ratio Lower Upper
168 100
139 39.3 31.5 47.3
169 13.2 10.9 16.3

Manual Integrations
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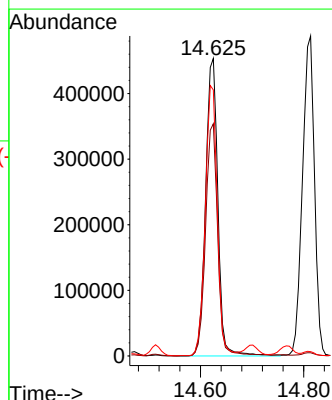
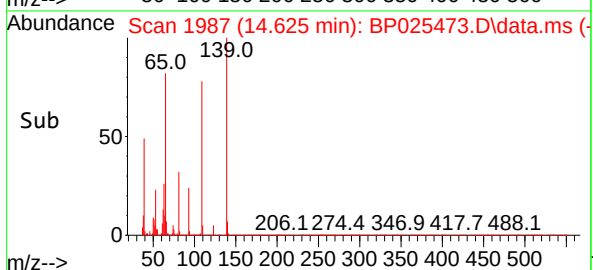
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

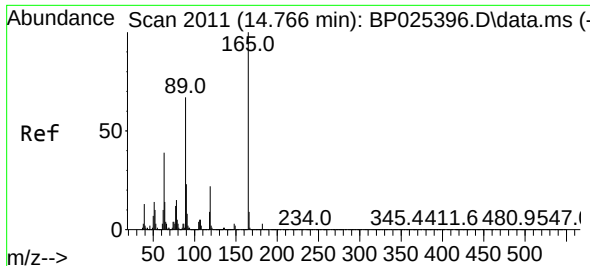


#56
4-Nitrophenol
Concen: 107.051 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



Tgt Ion:139 Resp: 746663
Ion Ratio Lower Upper
139 100
109 78.0 56.6 96.6
65 89.5 68.2 108.2





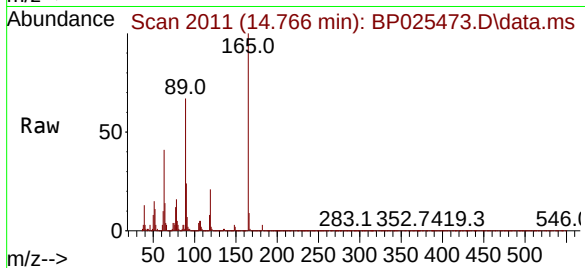
#57
2,4-Dinitrotoluene
Concen: 54.187 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

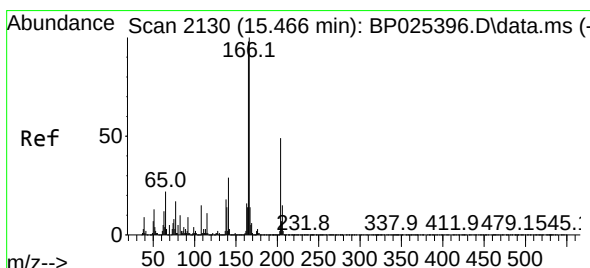
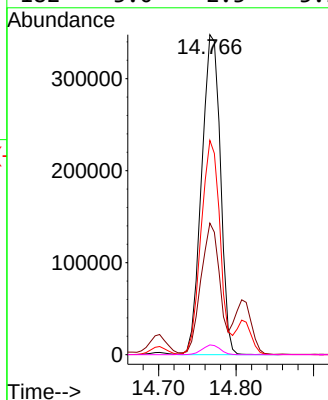
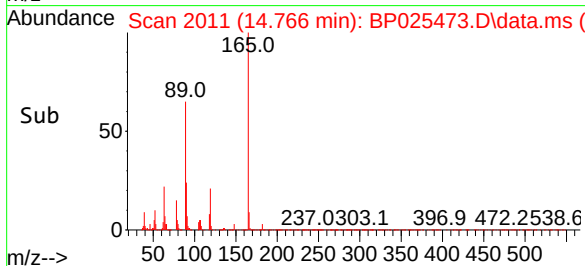
PB169244BSD



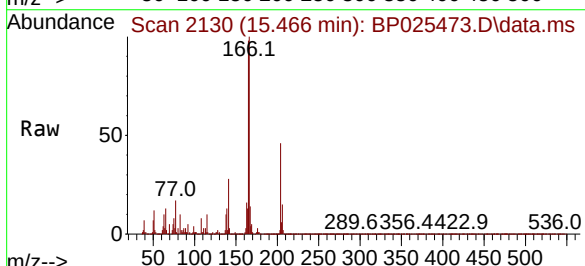
Tgt Ion:165 Resp: 583240
Ion Ratio Lower Upper
165 100
63 41.1 31.4 47.2
89 67.0 53.3 79.9
182 3.0 2.3 3.5

Manual Integrations
APPROVED

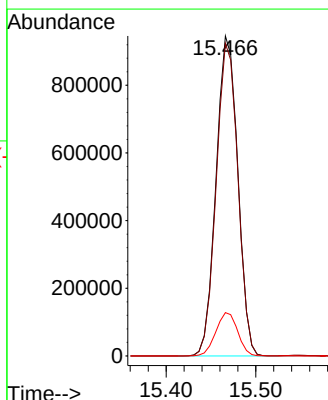
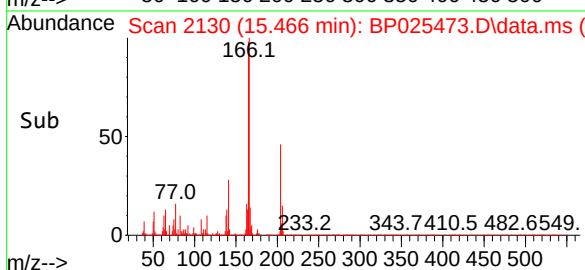
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

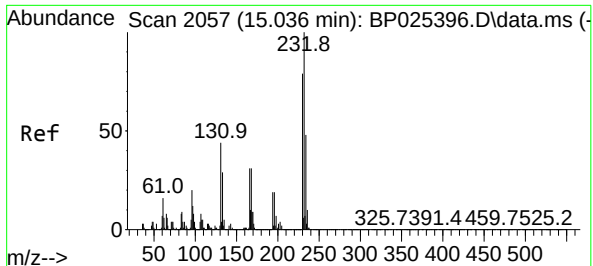


#58
Fluorene
Concen: 47.465 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



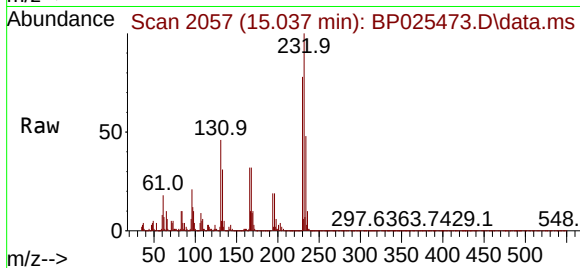
Tgt Ion:166 Resp: 1589403
Ion Ratio Lower Upper
166 100
165 97.7 78.8 118.2
167 13.5 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.220 ng
RT: 15.037 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

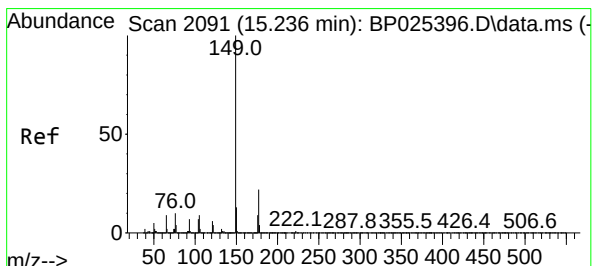
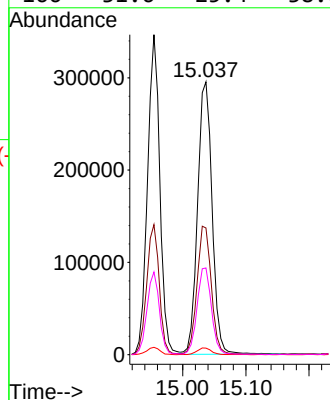
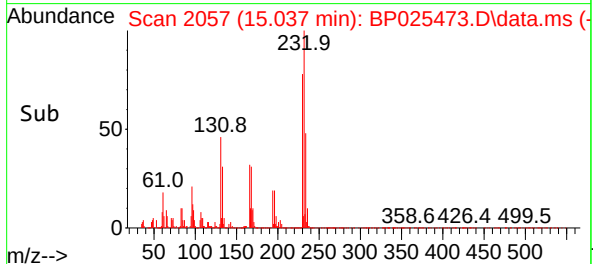
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



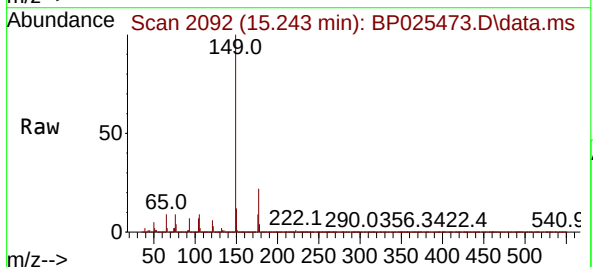
Tgt Ion:232 Resp: 472380
Ion Ratio Lower Upper
232 100
131 46.3 37.0 55.6
130 2.4 1.9 2.9
166 31.6 25.4 38.0

Manual Integrations
APPROVED

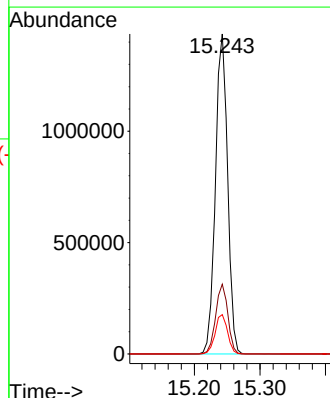
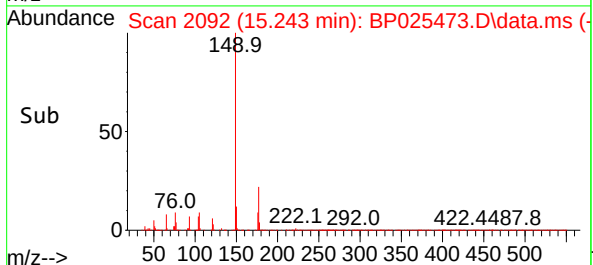
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

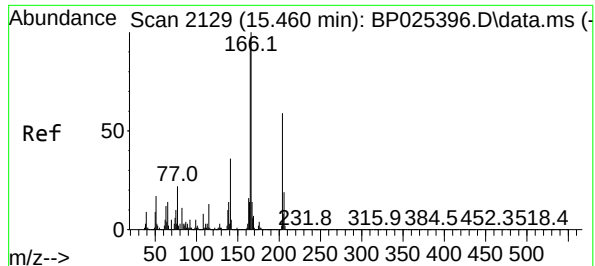


#60
Diethylphthalate
Concen: 50.715 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



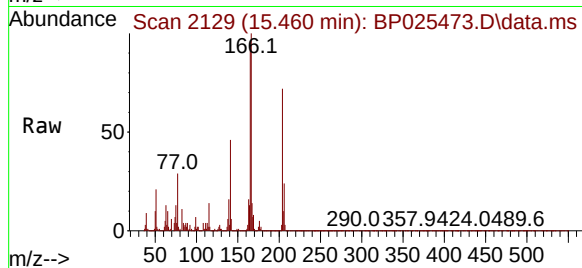
Tgt Ion:149 Resp: 1844493
Ion Ratio Lower Upper
149 100
177 21.8 17.3 25.9
150 12.3 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 47.436 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

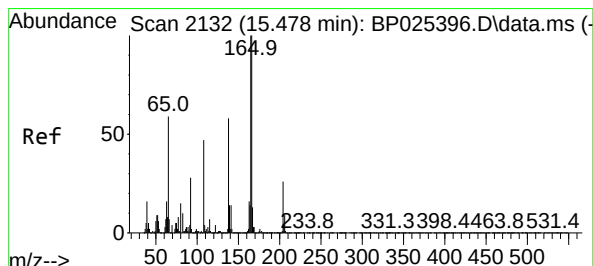
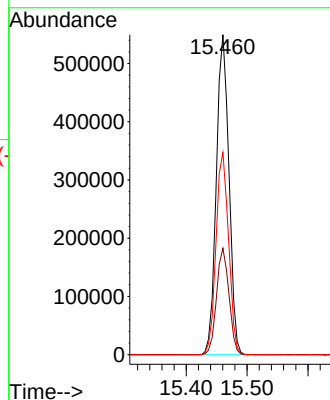
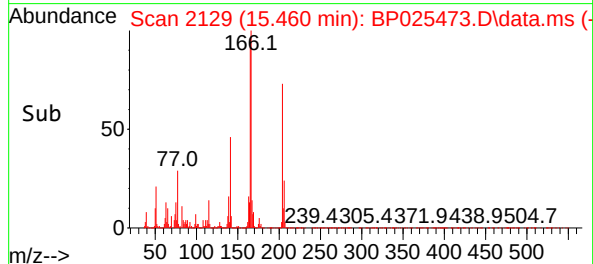
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



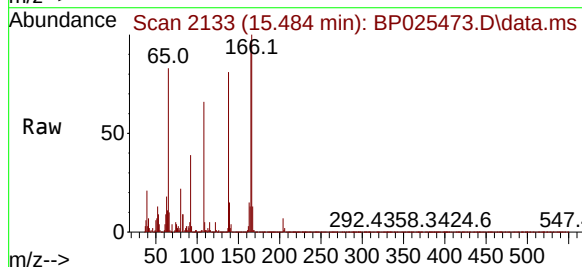
Tgt Ion:204 Resp: 78998
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.8
141 63.2 49.4 74.2

Manual Integrations
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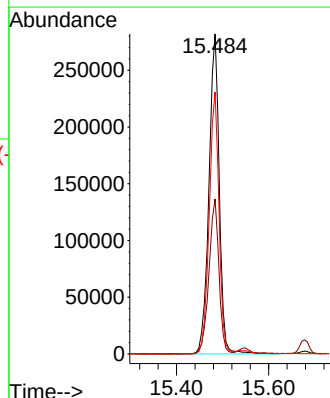
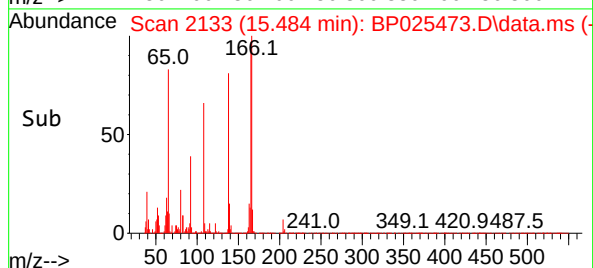
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

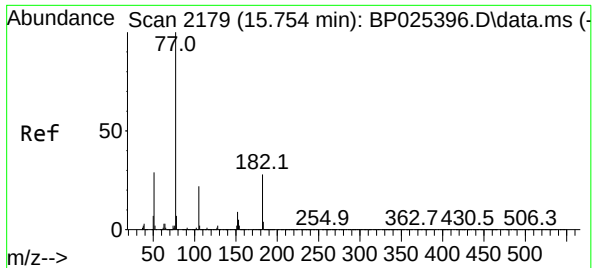


#62
4-Nitroaniline
Concen: 50.825 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



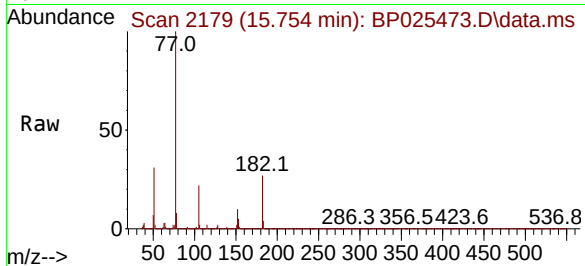
Tgt Ion:138 Resp: 442261
Ion Ratio Lower Upper
138 100
92 48.4 29.1 69.1
108 81.9 61.5 101.5





#63
Azobenzene
Concen: 51.181 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

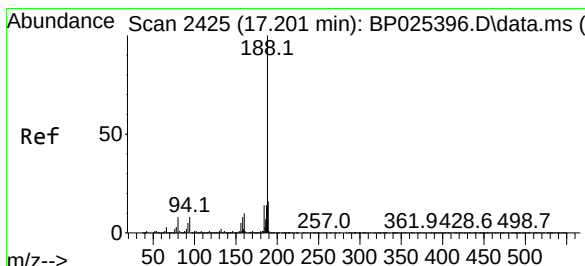
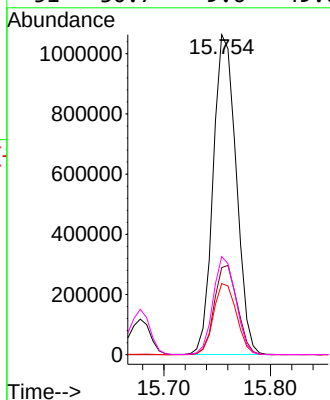
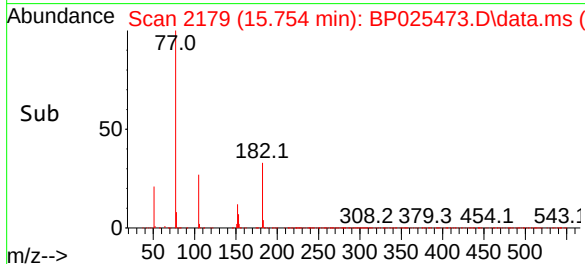
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



Tgt Ion: 77 Resp: 159388
Ion Ratio Lower Upper
77 100
182 27.2 7.5 47.5
105 22.2 2.1 42.1
51 30.7 9.6 49.6

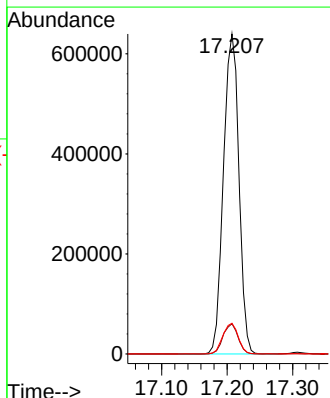
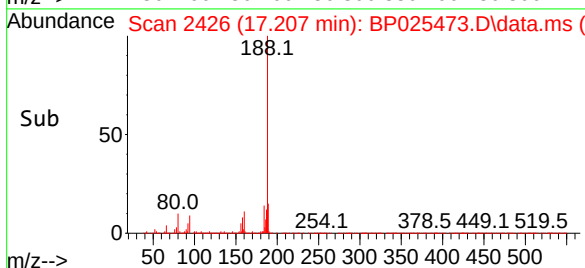
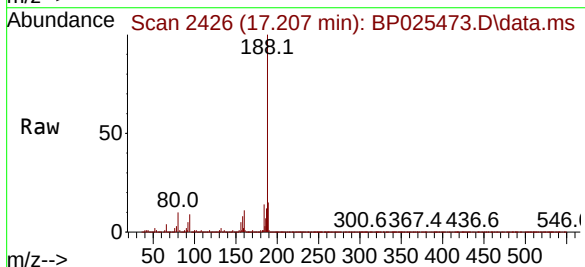
Manual Integrations
APPROVED

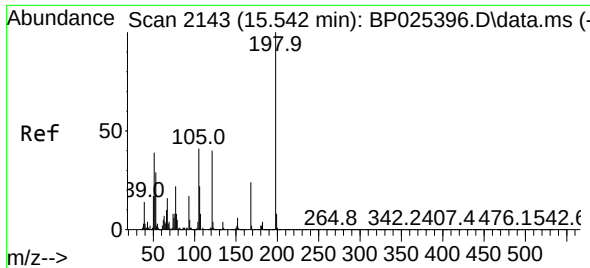
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

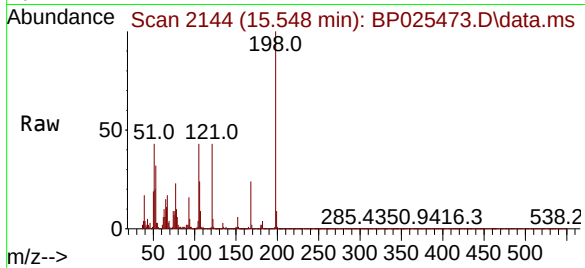
Tgt Ion:188 Resp: 1043571
Ion Ratio Lower Upper
188 100
94 9.4 6.6 10.0
80 9.6 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 52.303 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

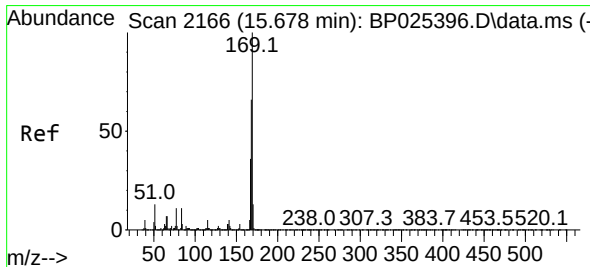
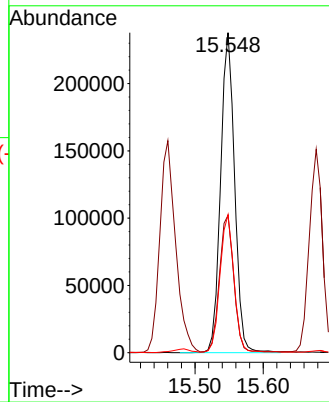
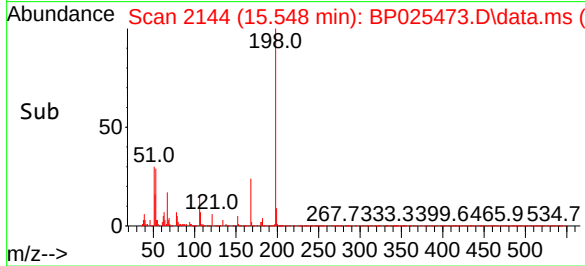
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



Tgt Ion:198 Resp: 340230
Ion Ratio Lower Upper
198 100
51 42.9 19.6 59.6
105 43.1 20.9 60.9

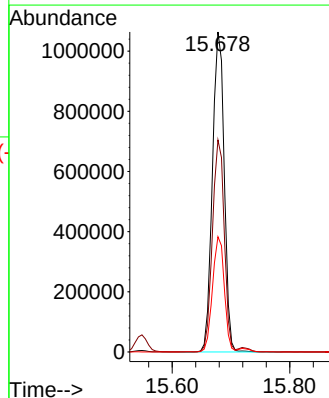
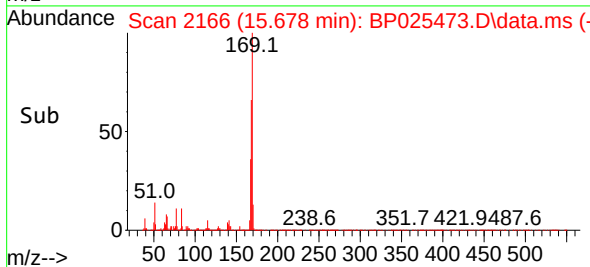
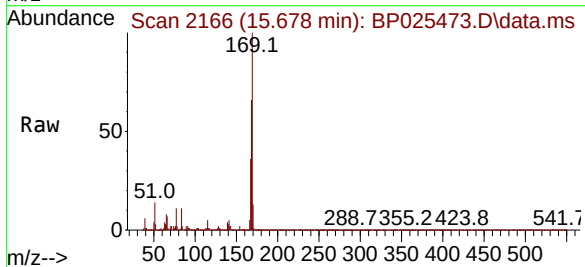
Manual Integrations
APPROVED

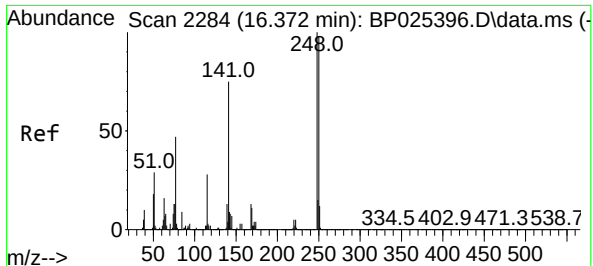
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#66
n-Nitrosodiphenylamine
Concen: 46.603 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

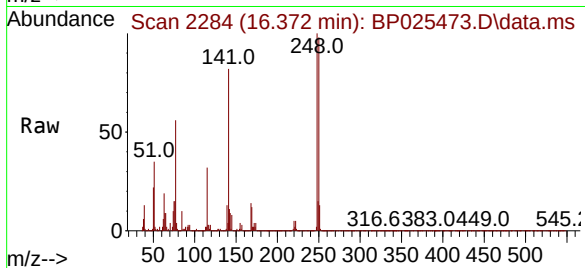
Tgt Ion:169 Resp: 1483025
Ion Ratio Lower Upper
169 100
168 66.3 53.2 79.8
167 36.0 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 46.291 ng
RT: 16.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

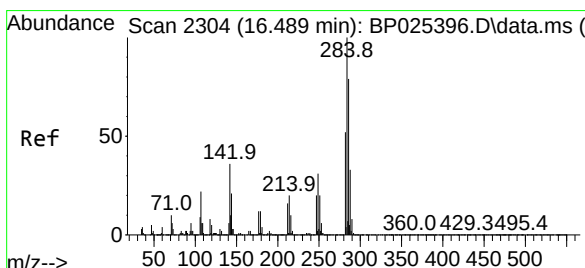
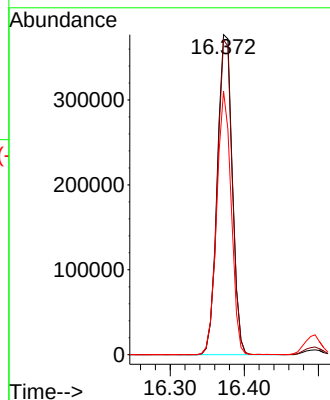
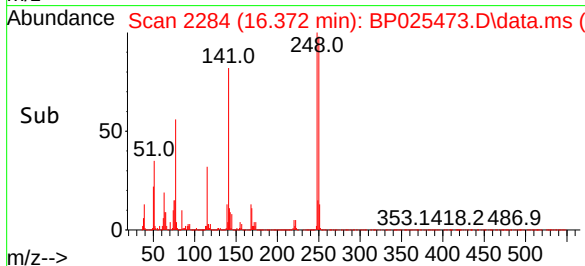
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



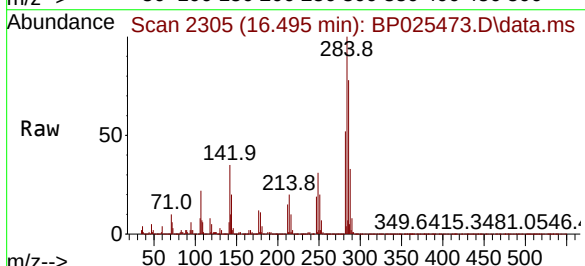
Tgt Ion:248 Resp: 531300
Ion Ratio Lower Upper
248 100
250 98.3 78.2 117.2
141 82.4 59.6 89.4

Manual Integrations
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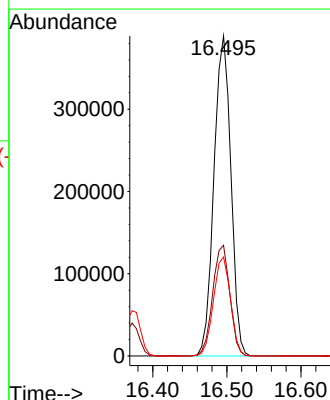
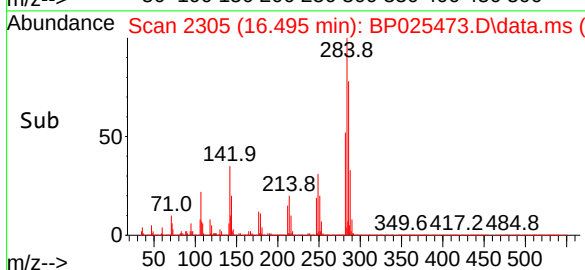
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

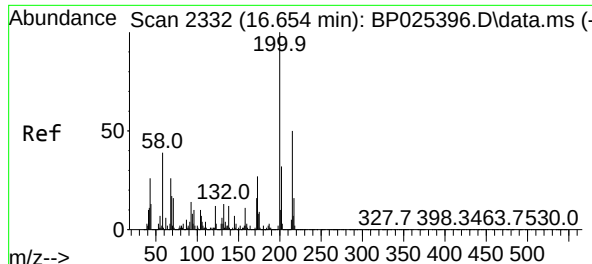


#68
Hexachlorobenzene
Concen: 46.335 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



Tgt Ion:284 Resp: 616466
Ion Ratio Lower Upper
284 100
142 34.6 29.1 43.7
249 30.9 25.0 37.4





#69

Atrazine

Concen: 49.512 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion:200 Resp: 590070

Ion Ratio Lower Upper

200 100

173 26.1 6.7 46.7

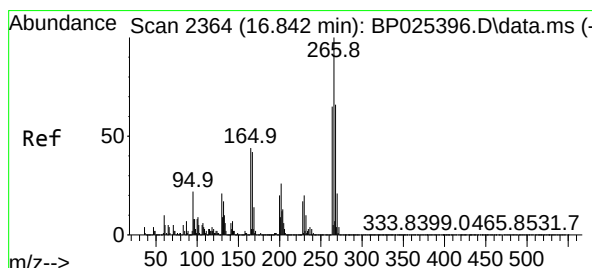
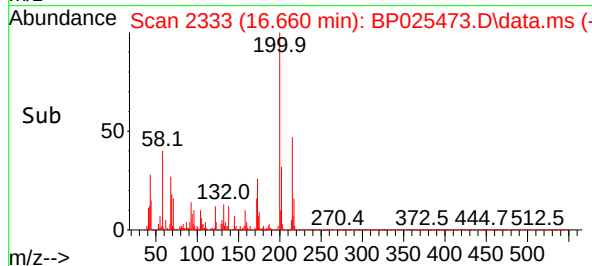
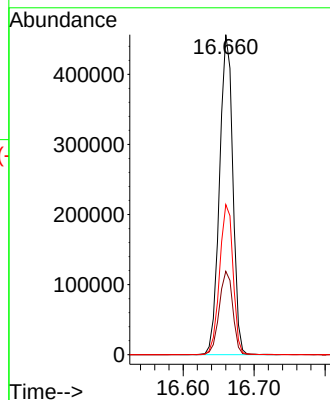
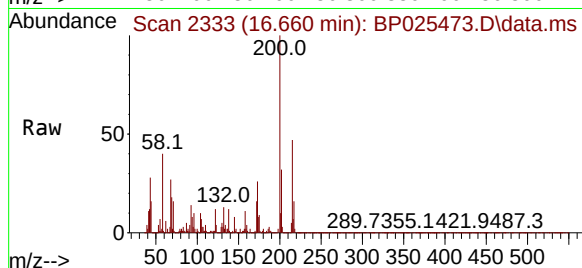
215 46.9 29.7 69.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#70

Pentachlorophenol

Concen: 100.486 ng

RT: 16.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

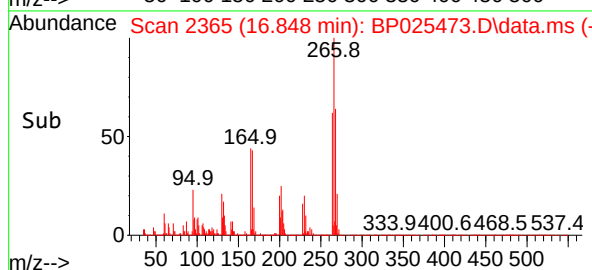
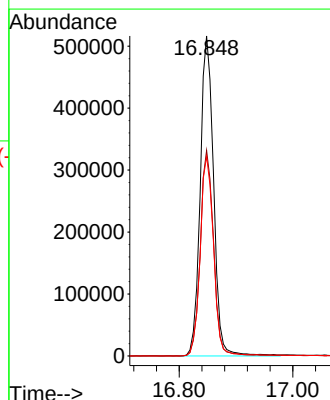
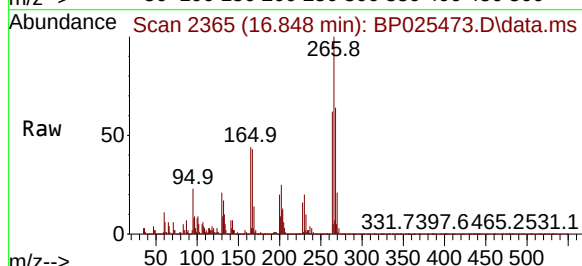
Tgt Ion:266 Resp: 843937

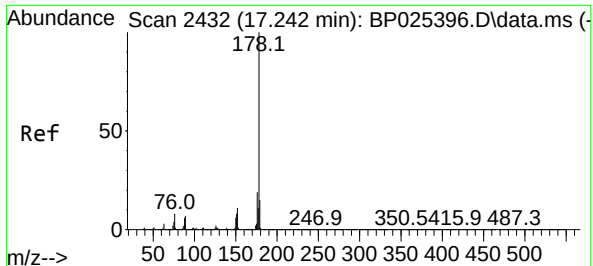
Ion Ratio Lower Upper

266 100

268 64.3 52.6 79.0

264 62.4 52.0 78.0





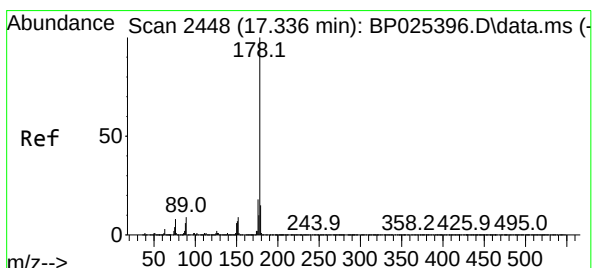
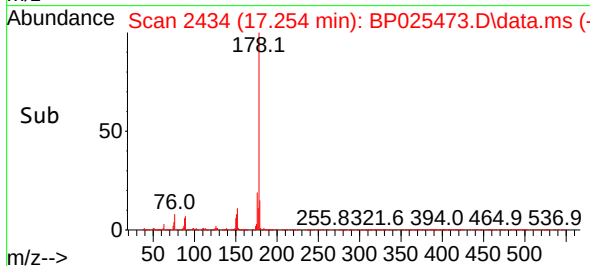
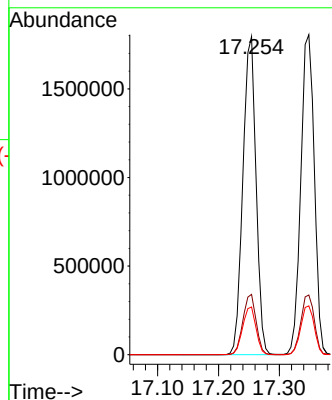
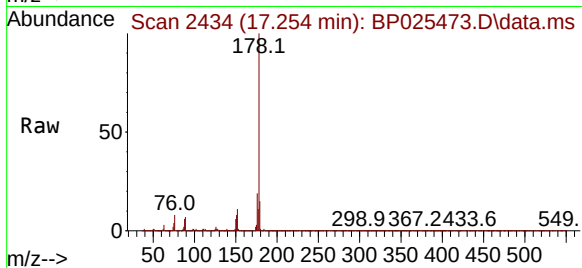
#71
Phenanthrene
Concen: 46.873 ng
RT: 17.254 min Scan# 2432
Delta R.T. 0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :
BNA_P
ClientSampleId :
PB169244BSD

Tgt Ion:178 Resp: 268705
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.0 12.2 18.4

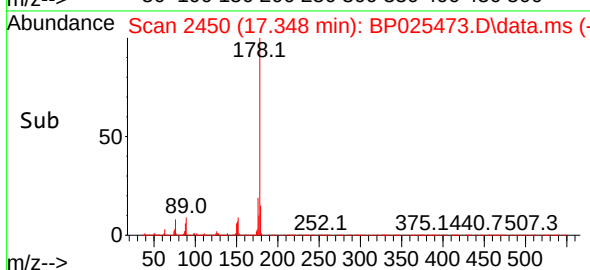
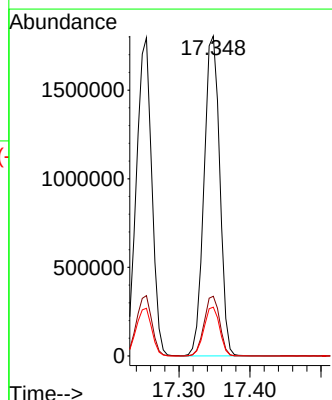
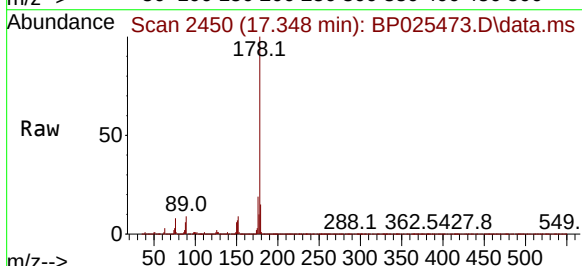
Manual Integrations
APPROVED

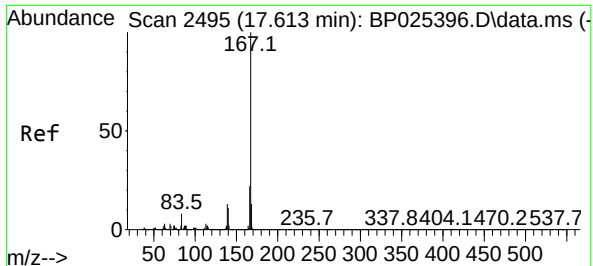
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#72
Anthracene
Concen: 47.501 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

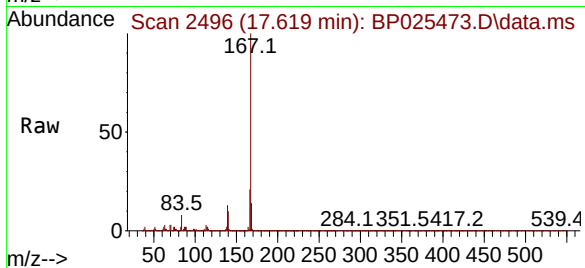
Tgt Ion:178 Resp: 2780840
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.3 12.2 18.2





#73
 Carbazole
 Concen: 47.978 ng
 RT: 17.619 min Scan# 2495
 Delta R.T. 0.006 min
 Lab File: BP025473.D
 Acq: 19 Aug 2025 12:47

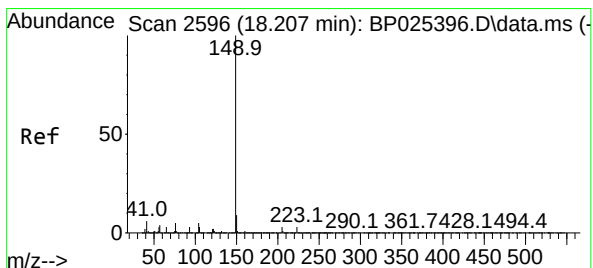
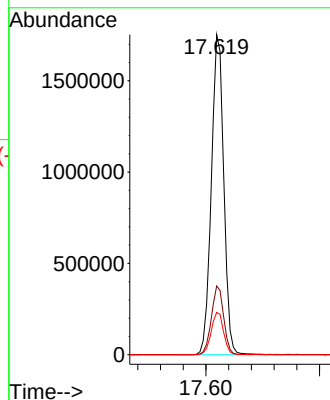
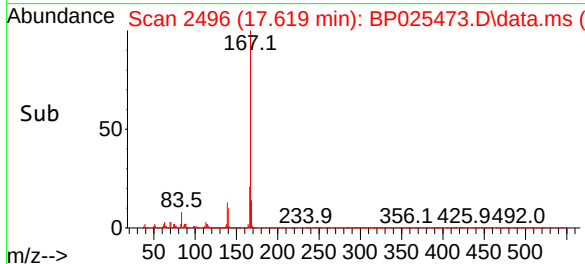
Instrument :
 BNA_P
 ClientSampleId :
 PB169244BSD



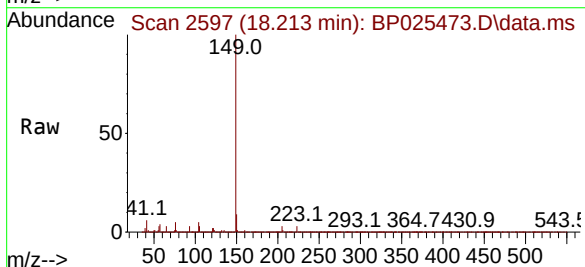
Tgt Ion:167 Resp: 264558
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.5 26.3
 139 13.2 10.6 16.0

Manual Integrations
 APPROVED

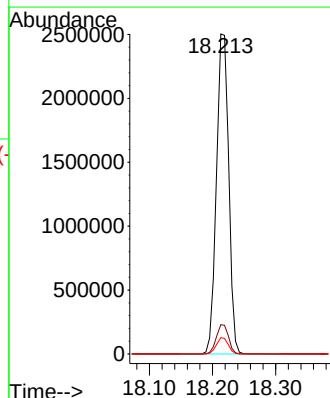
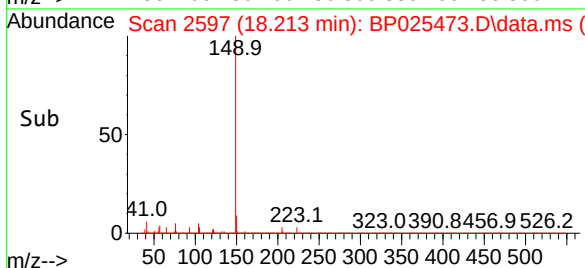
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

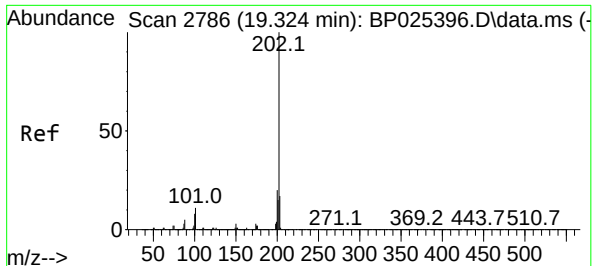


#74
 Di-n-butylphthalate
 Concen: 49.751 ng
 RT: 18.213 min Scan# 2597
 Delta R.T. 0.006 min
 Lab File: BP025473.D
 Acq: 19 Aug 2025 12:47



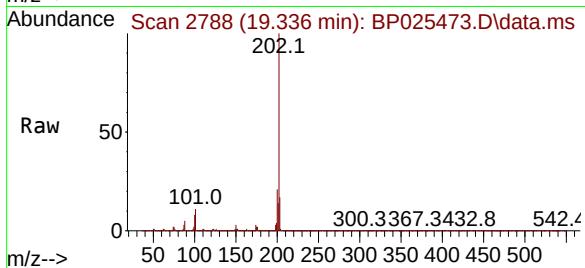
Tgt Ion:149 Resp: 3375219
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 47.997 ng
RT: 19.336 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

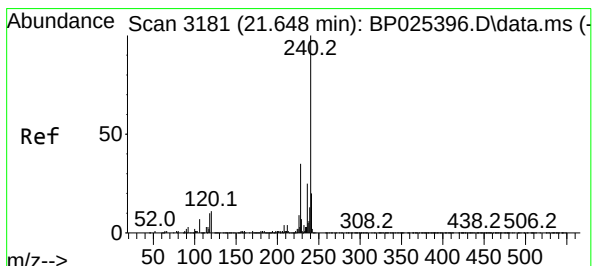
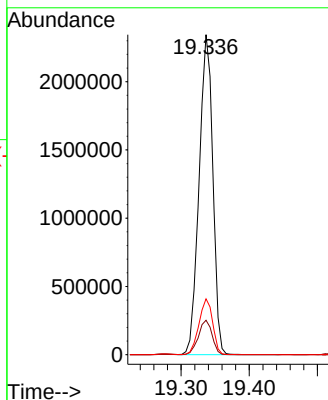
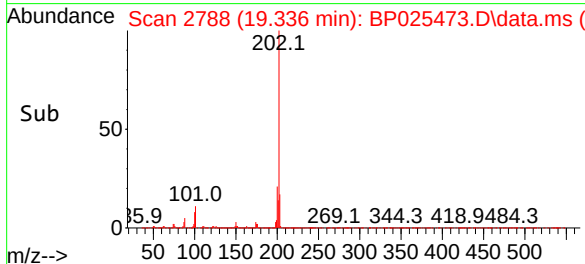
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



Tgt Ion:202 Resp: 328206
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.1
203 17.5 0.0 37.3

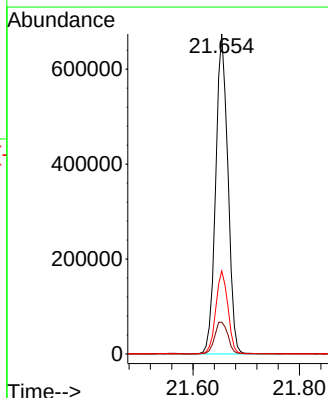
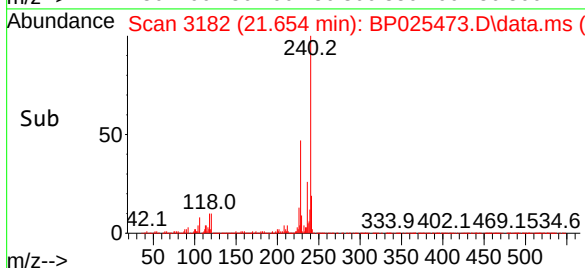
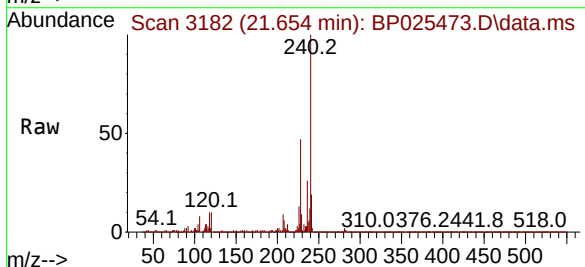
Manual Integrations
APPROVED

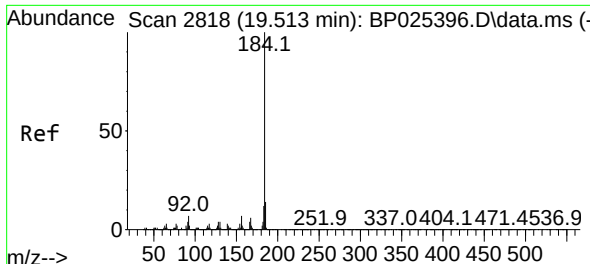
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

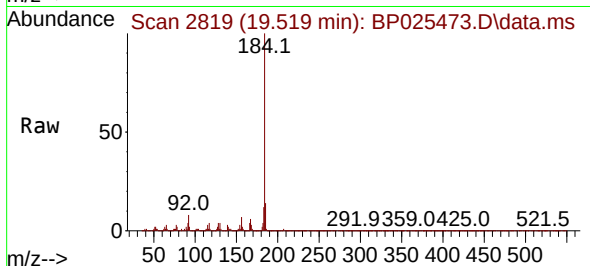
Tgt Ion:240 Resp: 1070063
Ion Ratio Lower Upper
240 100
120 9.9 8.9 13.3
236 26.0 19.8 29.8





#77
Benzidine
Concen: 43.560 ng
RT: 19.519 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

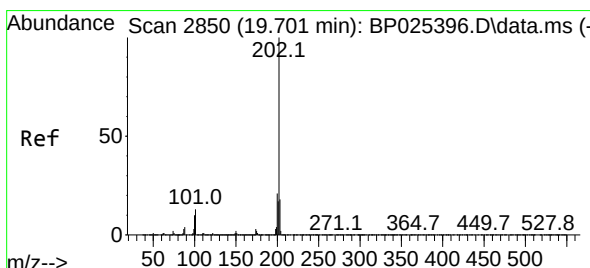
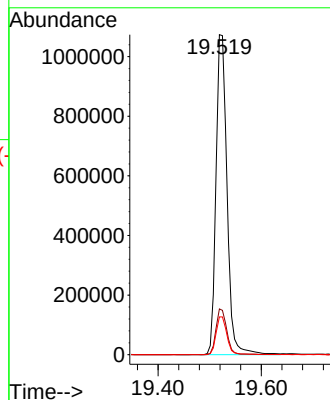
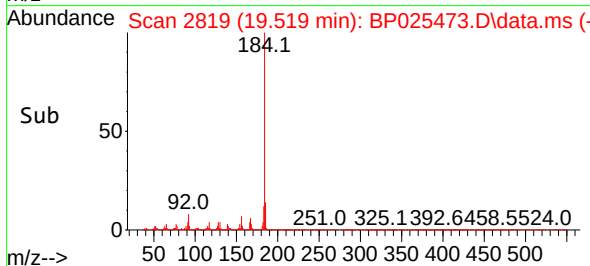
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



Tgt Ion:184 Resp: 1590772
Ion Ratio Lower Upper
184 100
185 14.3 11.5 17.3
183 11.8 9.4 14.2

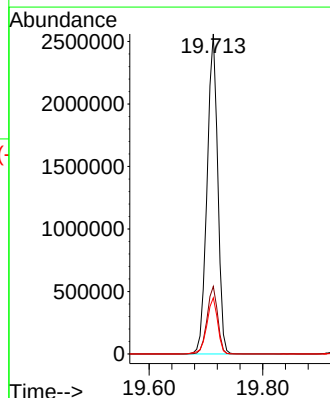
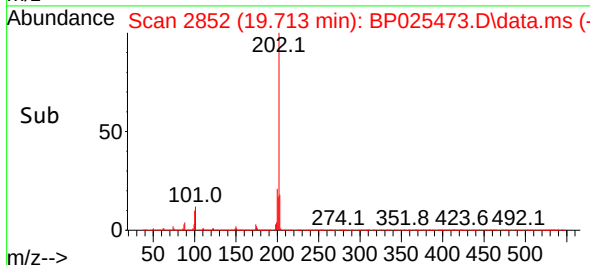
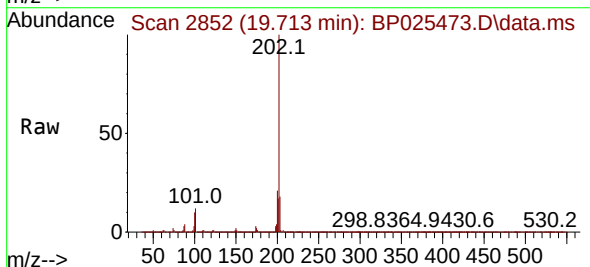
Manual Integrations
APPROVED

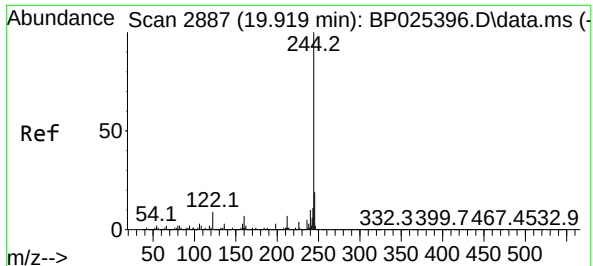
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#78
Pyrene
Concen: 47.664 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

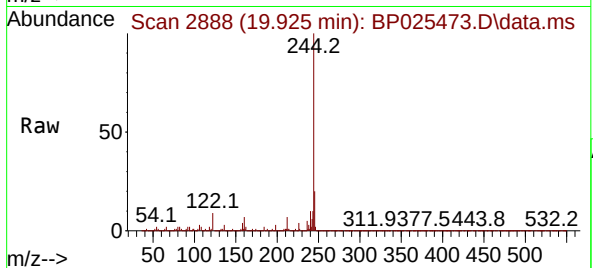
Tgt Ion:202 Resp: 3315062
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.6 14.2 21.2





#79
Terphenyl-d14
Concen: 84.162 ng
RT: 19.925 min Scan# 2888
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

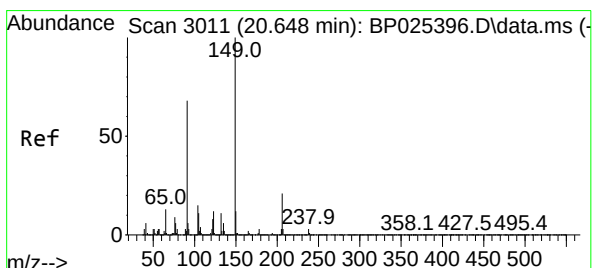
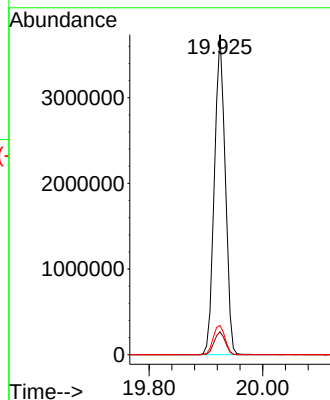
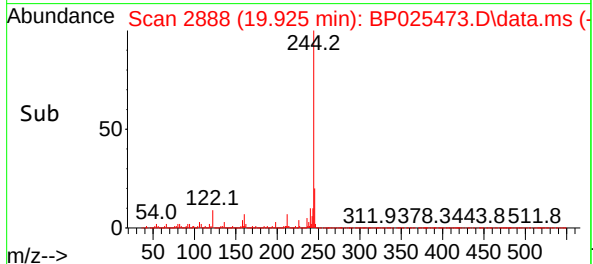
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



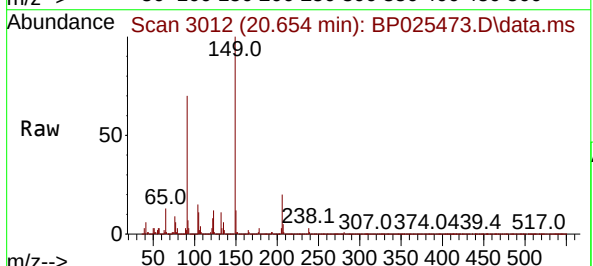
Tgt Ion:244 Resp: 4922368
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 9.1 7.4 11.2

Manual Integrations
APPROVED

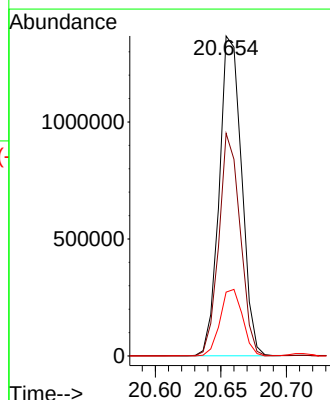
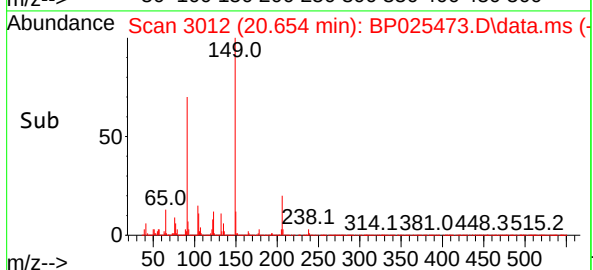
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

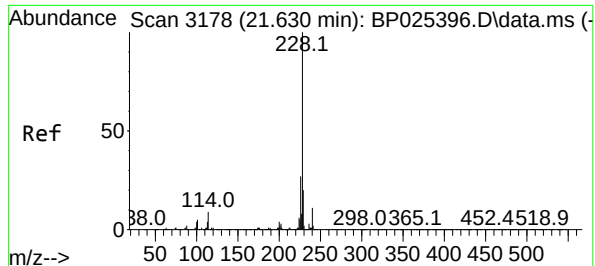


#80
Butylbenzylphthalate
Concen: 51.331 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



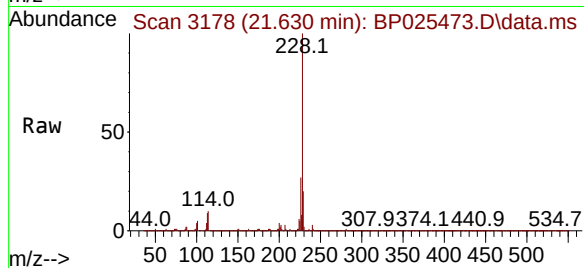
Tgt Ion:149 Resp: 1618023
Ion Ratio Lower Upper
149 100
91 69.5 54.2 81.2
206 19.9 16.6 24.8





#81
Benzo(a)anthracene
Concen: 48.736 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

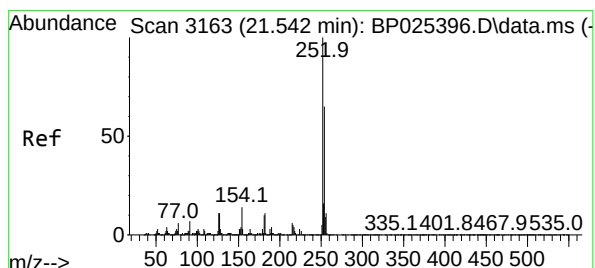
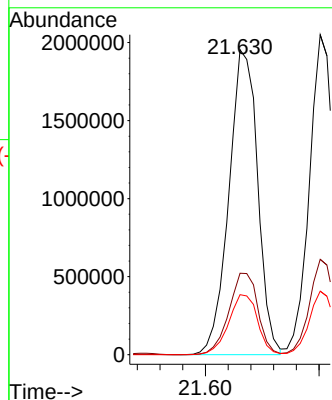
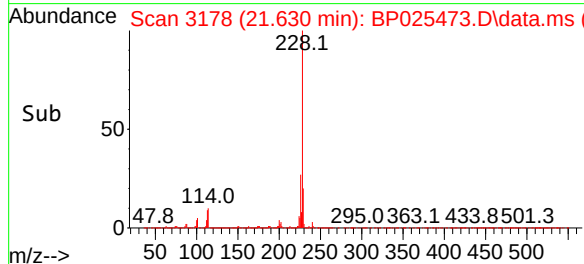
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



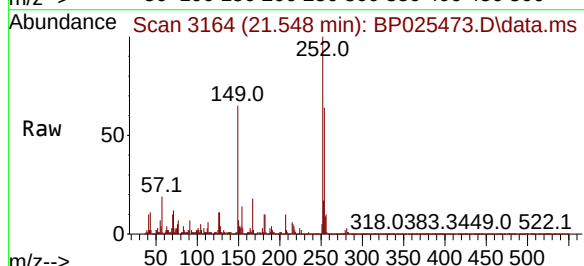
Tgt Ion:228 Resp: 3439380
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 19.7 15.6 23.4

Manual Integrations
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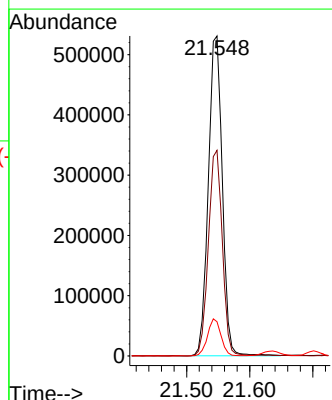
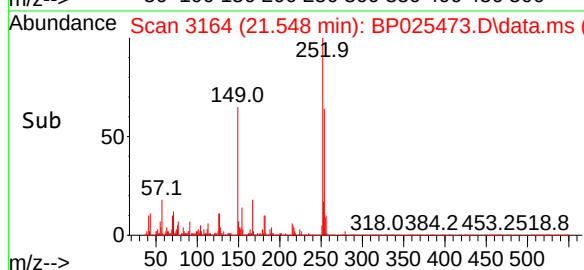
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

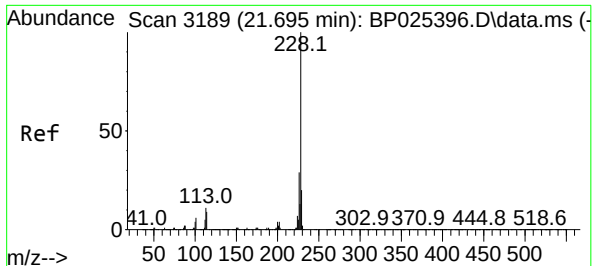


#82
3,3'-Dichlorobenzidine
Concen: 30.701 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



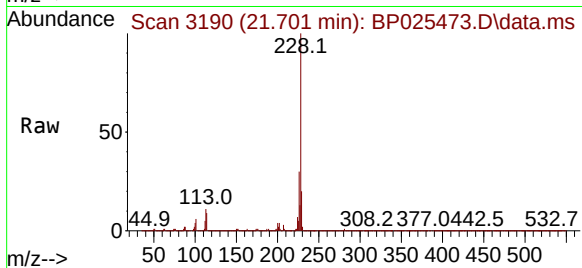
Tgt Ion:252 Resp: 816647
Ion Ratio Lower Upper
252 100
254 64.3 51.8 77.6
126 10.7 9.1 13.7





#83
Chrysene
Concen: 47.324 ng
RT: 21.701 min Scan# 3189
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

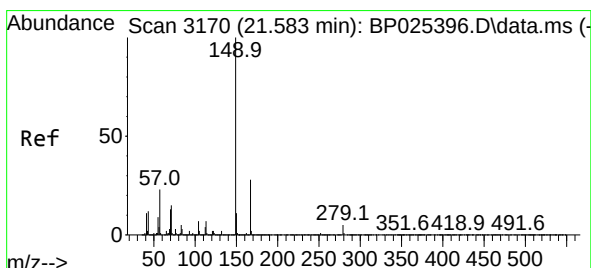
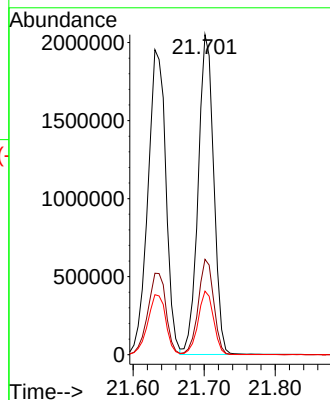
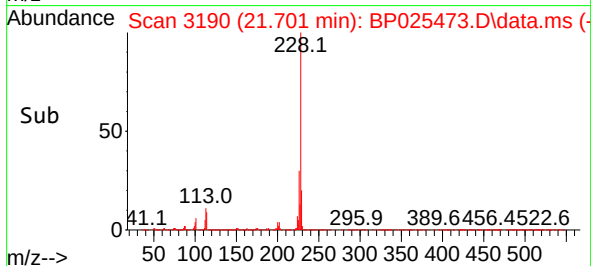
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



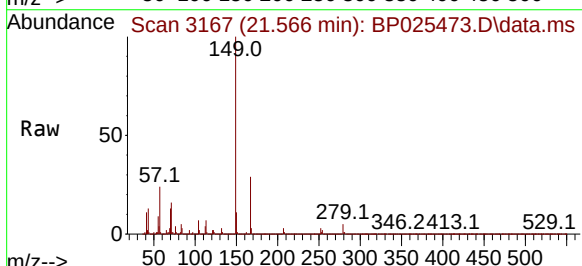
Tgt Ion: 228 Resp: 3127598
Ion Ratio Lower Upper
228 100
226 29.8 23.2 34.8
229 19.8 15.6 23.4

Manual Integrations
APPROVED

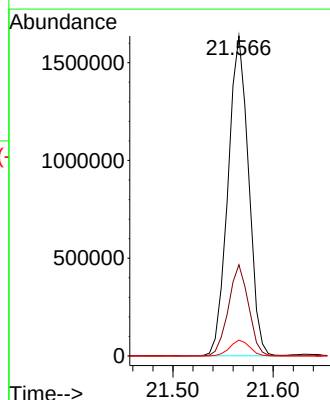
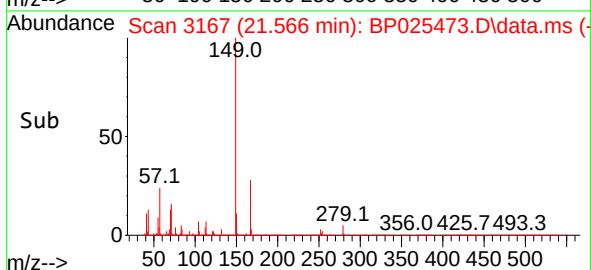
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

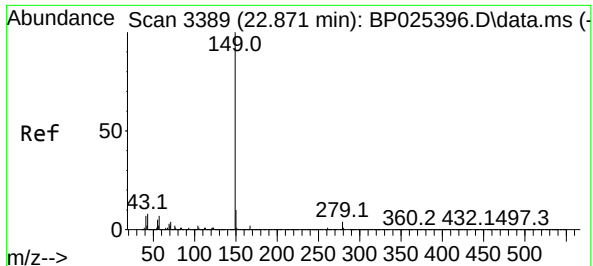


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.084 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.017 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



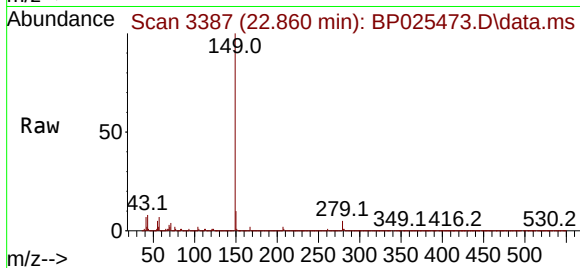
Tgt Ion: 149 Resp: 2323944
Ion Ratio Lower Upper
149 100
167 28.5 22.1 33.1
279 5.0 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 51.076 ng
RT: 22.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

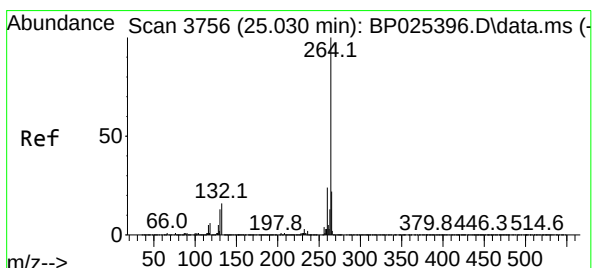
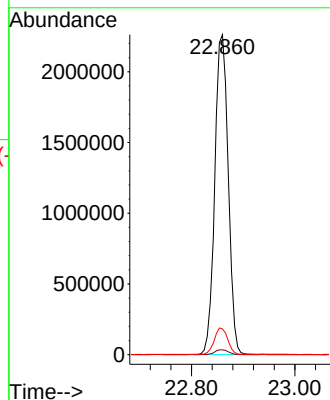
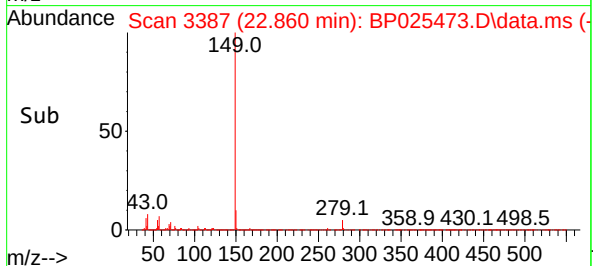
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



Tgt Ion:149 Resp: 4076449
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.2 6.3 9.5

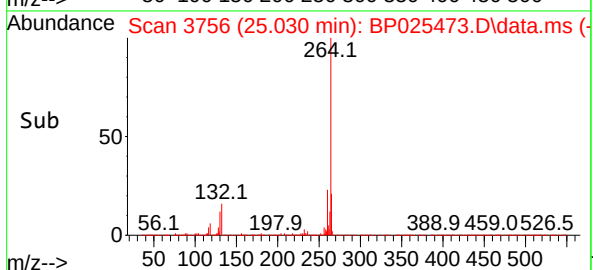
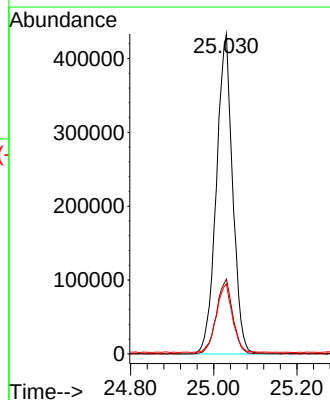
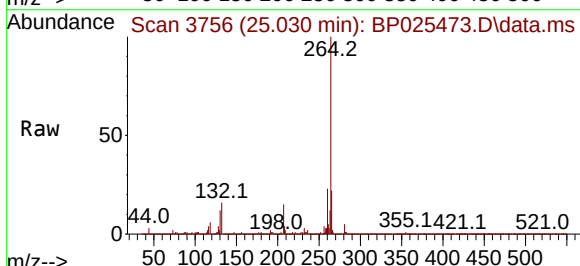
Manual Integrations
APPROVED

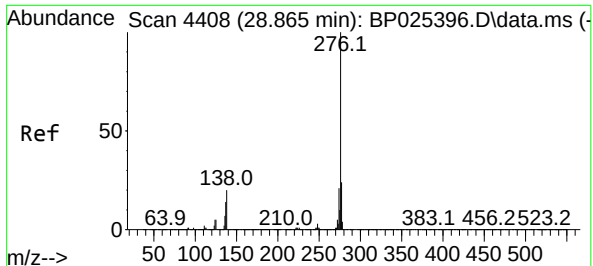
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

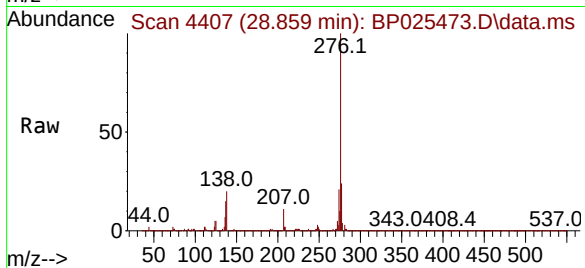
Tgt Ion:264 Resp: 1176738
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 21.9 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 46.336 ng m
RT: 28.859 min Scan# 4408
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

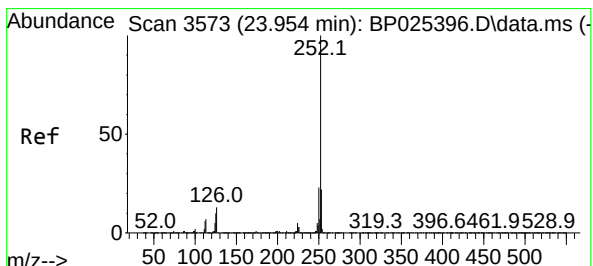
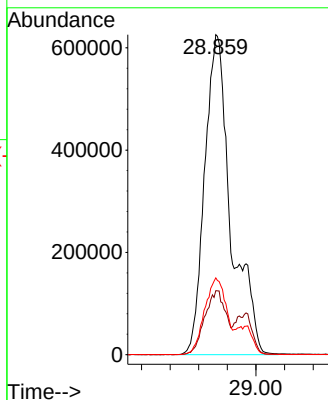
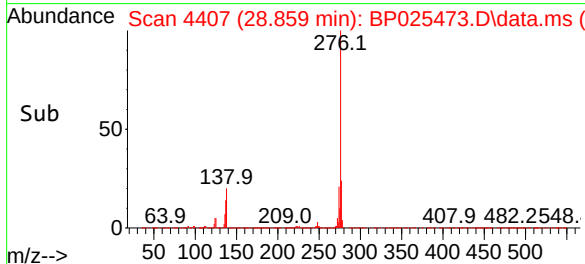
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



Tgt Ion:276 Resp: 399866
Ion Ratio Lower Upper
276 100
138 16.1 12.9 19.3
277 20.1 17.0 25.6

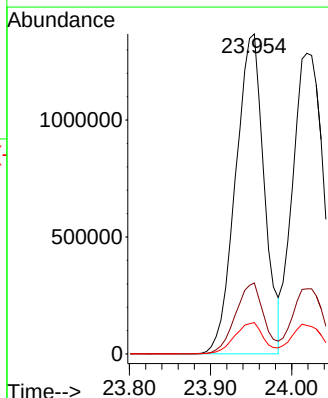
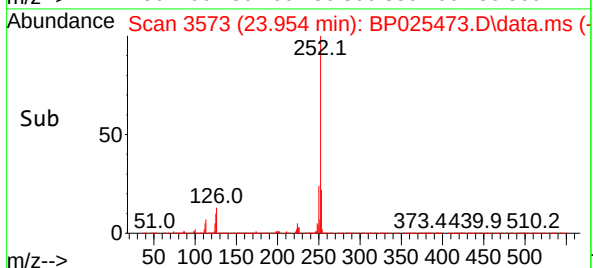
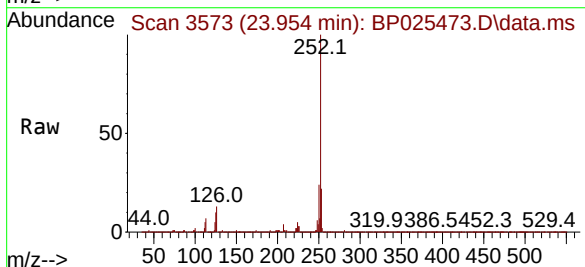
Manual Integrations
APPROVED

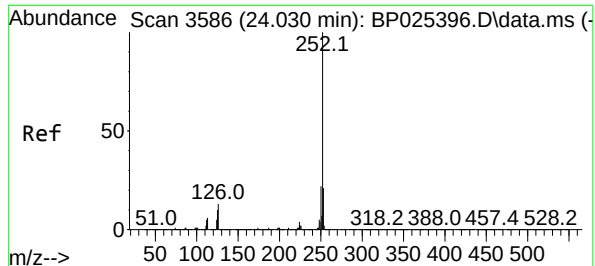
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#88
Benzo(b)fluoranthene
Concen: 48.343 ng
RT: 23.954 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:252 Resp: 3354449
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 9.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 48.827 ng

RT: 24.019 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion:252 Resp: 339035

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

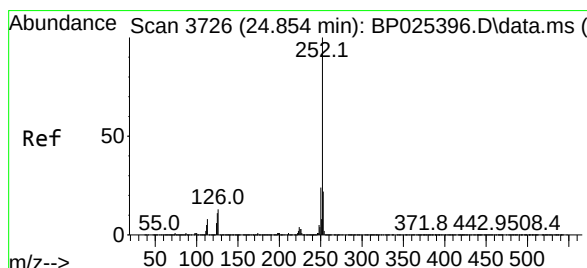
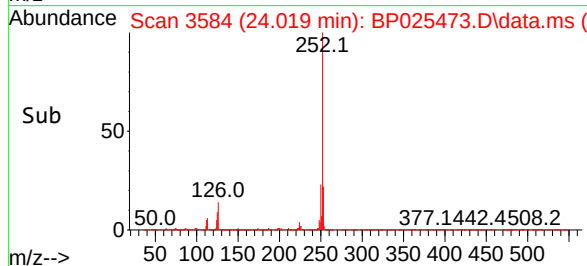
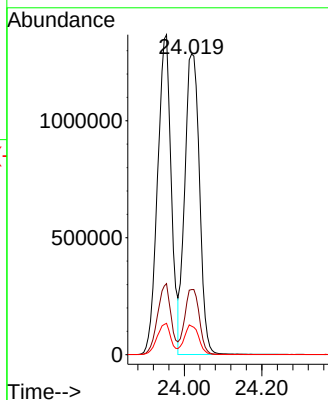
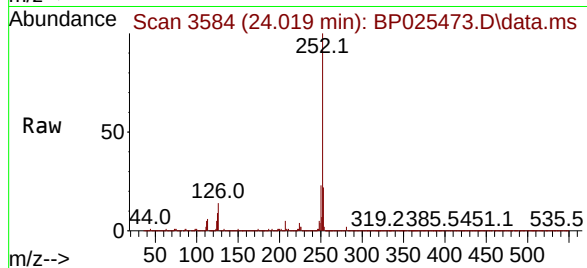
125 9.5 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#90

Benzo(a)pyrene

Concen: 48.136 ng

RT: 24.854 min Scan# 3726

Delta R.T. 0.000 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

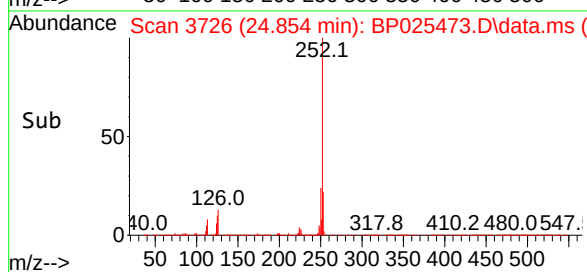
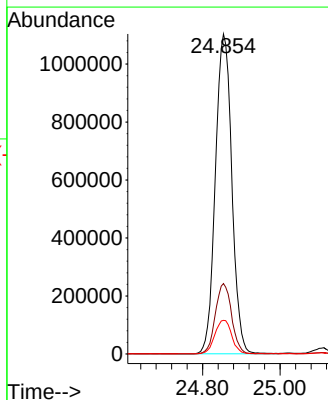
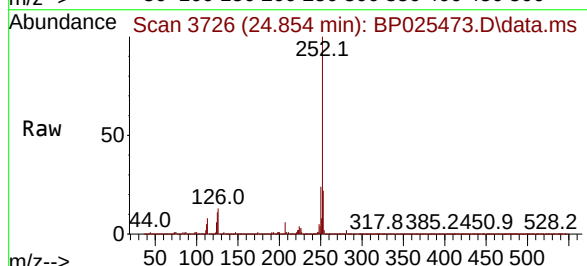
Tgt Ion:252 Resp: 3251341

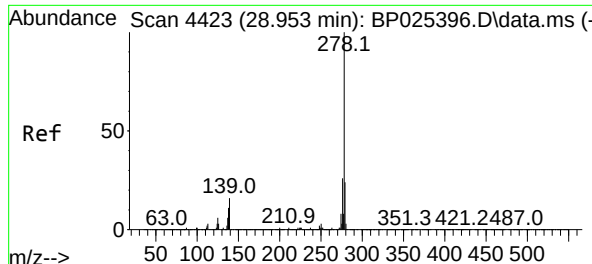
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

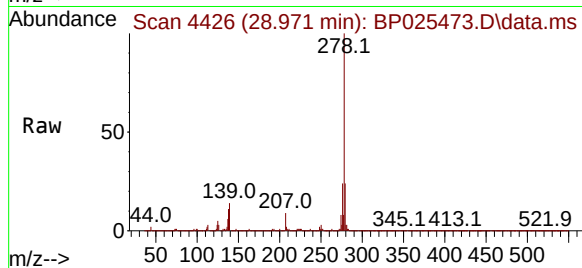
125 10.5 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 46.760 ng
RT: 28.971 min Scan# 4423
Delta R.T. 0.018 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

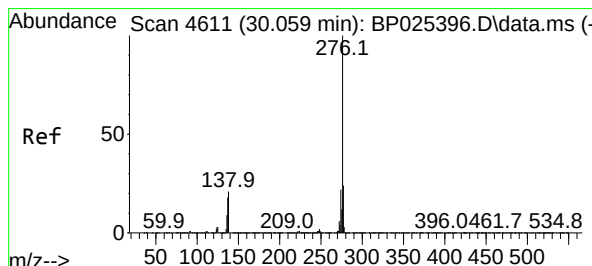
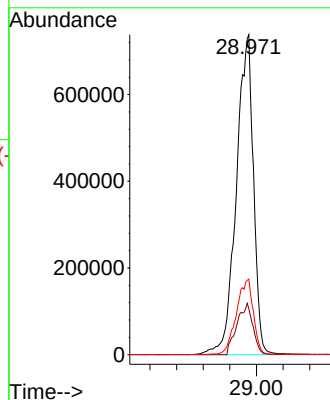
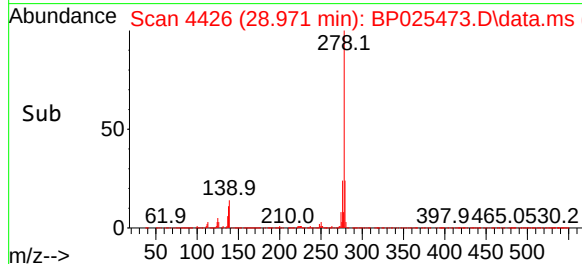
Instrument :
BNA_P
ClientSampleId :
PB169244BSD



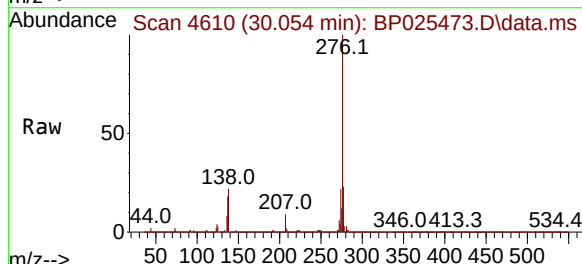
Tgt Ion: 278 Resp: 329761
Ion Ratio Lower Upper
278 100
139 14.3 13.0 19.4
279 23.6 19.4 29.2

Manual Integrations
APPROVED

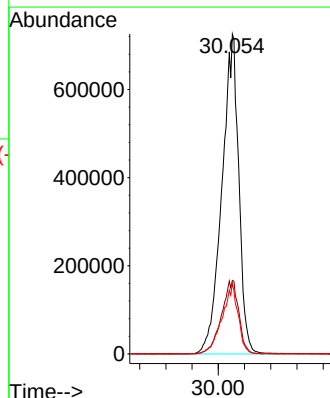
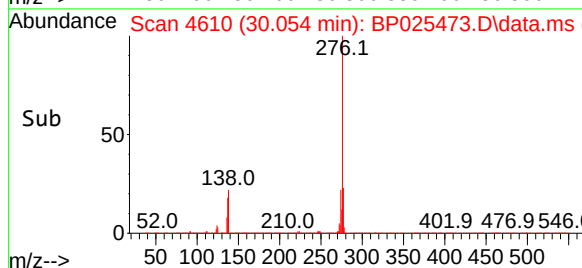
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#92
Benzo(g,h,i)perylene
Concen: 46.595 ng
RT: 30.054 min Scan# 4610
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47



Tgt Ion: 276 Resp: 3230088
Ion Ratio Lower Upper
276 100
277 23.0 19.4 29.0
138 22.0 16.7 25.1



Manual Integration Report

Sequence:	BF081225	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF143345.D	Benzoic acid	Rahul	8/13/2025 8:58:28 AM	Jagrut	8/13/2025 11:10:31 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf081425

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143377.D	2,4-Dimethylphenol	Rahul	8/15/2025 9:32:33 AM	Jagrut	8/15/2025 2:48:38 PM	Peak Integrated by Software
SSTDCCC040	BF143397.D	2,4-Dimethylphenol	Rahul	8/15/2025 9:32:42 AM	Jagrut	8/15/2025 2:48:42 PM	Peak Integrated by Software
SSTDCCC040	BF143399.D	2,4-Dimethylphenol	Rahul	8/15/2025 1:27:37 PM	Jagrut	8/15/2025 2:48:43 PM	Peak Integrated by Software
SSTDCCC040	BF143414.D	2,4-Dimethylphenol	Rahul	8/15/2025 1:27:26 PM	Jagrut	8/15/2025 2:48:56 PM	Peak Integrated by Software



Manual Integration Report

Sequence:	BF082025	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	BF082125	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025393.D	Acenaphthene	Rahul	8/15/2025 9:34:57 AM	Jagrut	8/15/2025 12:49:22 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Acenaphthene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzaldehyde	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzoic acid	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Acenaphthene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Benzoic acid	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICCC040	BP025396.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:47 AM	Jagrut	8/15/2025 12:49:30 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Benzo(g,h,i)perylene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC080	BP025399.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:40 AM	Jagrut	8/15/2025 12:49:36 PM	Peak Integrated by Software
SSTDICV040	BP025400.D	Acenaphthene	Rahul	8/15/2025 9:34:38 AM	Jagrut	8/15/2025 12:49:39 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025403.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:33 AM	Jagrut	8/15/2025 12:49:44 PM	Peak Integrated by Software
SSTDCCC040	BP025405.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:31 AM	Jagrut	8/15/2025 12:49:46 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Acenaphthene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BP081525	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025422.D	Acenaphthene	Rahul	8/18/2025 8:33:34 AM	Jagrut	8/18/2025 8:42:26 AM	Peak Integrated by Software
PB169230BS	BP025424.D	Benzo(g,h,i)perylene	Rahul	8/18/2025 8:33:37 AM	Jagrut	8/18/2025 8:42:28 AM	Peak Integrated by Software
SSTDCCC040	BP025436.D	Acenaphthene	Rahul	8/18/2025 8:33:44 AM	Jagrut	8/18/2025 8:42:33 AM	Peak Integrated by Software
SSTDCCC040	BP025438.D	Acenaphthene	Rahul	8/18/2025 8:33:47 AM	Jagrut	8/18/2025 8:42:35 AM	Peak Integrated by Software
SSTDCCC040	BP025438.D	Benzo(g,h,i)perylene	Rahul	8/18/2025 8:33:47 AM	Jagrut	8/18/2025 8:42:35 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BP081925	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169244BS	BP025472.D	Benzoic acid	Rahul	8/20/2025 8:38:22 AM	Jagrut	8/20/2025 12:06:48 PM	Peak Integrated by Software
PB169244BSD	BP025473.D	Caprolactam	Rahul	8/20/2025 8:38:24 AM	Jagrut	8/20/2025 12:06:50 PM	Peak Integrated by Software
PB169244BSD	BP025473.D	Indeno(1,2,3-cd)pyrene	Rahul	8/20/2025 8:38:24 AM	Jagrut	8/20/2025 12:06:50 PM	Peak Integrated by Software
SSTDCCC040	BP025487.D	Indeno(1,2,3-cd)pyrene	Rahul	8/20/2025 8:38:27 AM	Jagrut	8/20/2025 12:06:52 PM	Peak Integrated by Software
SSTDCCC040	BP025502.D	Acenaphthene	Rahul	8/20/2025 1:15:14 PM	Jagrut	8/21/2025 2:16:52 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	bp082025	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025504.D	Benzoic acid	Rahul	8/21/2025 2:05:22 PM	Jagrut	8/21/2025 2:06:44 PM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM
SubDirectory	BF081225	HP Acquire Method	BNA_F
		HP Processing Method	bf081225
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143342.D	12 Aug 2025 08:34	RC/JU	Ok
2	SSTDICC2.5	BF143343.D	12 Aug 2025 09:03	RC/JU	Ok
3	SSTDICC005	BF143344.D	12 Aug 2025 09:34	RC/JU	Ok
4	SSTDICC010	BF143345.D	12 Aug 2025 10:04	RC/JU	Ok,M
5	SSTDICC020	BF143346.D	12 Aug 2025 10:35	RC/JU	Ok
6	SSTDICCC040	BF143347.D	12 Aug 2025 11:06	RC/JU	Ok
7	SSTDICC050	BF143348.D	12 Aug 2025 11:37	RC/JU	Ok
8	SSTDICC060	BF143349.D	12 Aug 2025 12:07	RC/JU	Ok
9	SSTDICC080	BF143350.D	12 Aug 2025 12:38	RC/JU	Ok
10	SSTDICV040	BF143351.D	12 Aug 2025 13:52	RC/JU	Ok
11	PB169189BL	BF143352.D	12 Aug 2025 14:22	RC/JU	Ok
12	PB169189BS	BF143353.D	12 Aug 2025 14:53	RC/JU	Ok,M
13	Q2807-02	BF143354.D	12 Aug 2025 15:33	RC/JU	Ok,M
14	Q2807-01	BF143355.D	12 Aug 2025 16:02	RC/JU	Ok
15	Q2807-03	BF143356.D	12 Aug 2025 16:32	RC/JU	Ok,M
16	Q2807-03MS	BF143357.D	12 Aug 2025 17:02	RC/JU	Ok
17	Q2807-03MSD	BF143358.D	12 Aug 2025 17:32	RC/JU	Ok,M
18	Q2830-07	BF143359.D	12 Aug 2025 18:02	RC/JU	Ok
19	Q2830-01	BF143360.D	12 Aug 2025 18:32	RC/JU	Ok
20	Q2830-03	BF143361.D	12 Aug 2025 19:02	RC/JU	Ok
21	Q2830-05	BF143362.D	12 Aug 2025 19:32	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM		
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM		
SubDirectory	BF081225	HP Acquire Method	BNA_F	HP Processing Method	bf081225
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13170,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2831-01	BF143363.D	12 Aug 2025 20:02	RC/JU	Ok,M
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M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF081425

Review By	Rahul	Review On	8/15/2025 9:33:03 AM
Supervise By	Jagrut	Supervise On	8/15/2025 2:49:47 PM
SubDirectory	BF081425	HP Acquire Method	BNA_F
		HP Processing Method	bf081225
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143376.D	14 Aug 2025 11:55	RC/JU	Ok
2	SSTDCCC040	BF143377.D	14 Aug 2025 12:55	RC/JU	Ok,M
3	PB169223BL	BF143378.D	14 Aug 2025 13:25	RC/JU	Ok
4	Q2814-01	BF143379.D	14 Aug 2025 13:55	RC/JU	Ok
5	Q2814-02	BF143380.D	14 Aug 2025 14:25	RC/JU	Ok
6	Q2814-03	BF143381.D	14 Aug 2025 14:55	RC/JU	Ok
7	Q2814-04	BF143382.D	14 Aug 2025 15:26	RC/JU	Ok
8	Q2814-05	BF143383.D	14 Aug 2025 15:56	RC/JU	ReRun
9	Q2814-06	BF143384.D	14 Aug 2025 16:26	RC/JU	Ok
10	Q2814-20	BF143385.D	14 Aug 2025 16:55	RC/JU	ReRun
11	Q2814-08	BF143386.D	14 Aug 2025 17:26	RC/JU	Ok
12	Q2814-09	BF143387.D	14 Aug 2025 17:56	RC/JU	Ok
13	Q2814-10	BF143388.D	14 Aug 2025 18:26	RC/JU	Ok
14	Q2814-11	BF143389.D	14 Aug 2025 18:56	RC/JU	Ok
15	Q2814-12	BF143390.D	14 Aug 2025 19:26	RC/JU	Ok
16	Q2814-13	BF143391.D	14 Aug 2025 19:56	RC/JU	Ok
17	Q2814-14	BF143392.D	14 Aug 2025 20:26	RC/JU	Ok
18	Q2814-15	BF143393.D	14 Aug 2025 20:56	RC/JU	Ok
19	Q2814-17	BF143394.D	14 Aug 2025 21:26	RC/JU	ReRun
20	Q2814-18	BF143395.D	14 Aug 2025 21:56	RC/JU	Not Ok
21	Q2814-16	BF143396.D	14 Aug 2025 22:26	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081425

Review By	Rahul	Review On	8/15/2025 9:33:03 AM
Supervise By	Jagrut	Supervise On	8/15/2025 2:49:47 PM
SubDirectory	BF081425	HP Acquire Method	BNA_F
		HP Processing Method	bf081225
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	SSTDCCC040	BF143397.D	14 Aug 2025 22:56	RC/JU	Ok,M
23	DFTPP	BF143398.D	15 Aug 2025 01:26	RC/JU	Ok
24	SSTDCCC040	BF143399.D	15 Aug 2025 03:54	RC/JU	Ok,M
25	PB169230BL	BF143400.D	15 Aug 2025 04:24	RC/JU	Ok
26	PB169230BS	BF143401.D	15 Aug 2025 04:53	RC/JU	Not Ok
27	PB169230BSD	BF143402.D	15 Aug 2025 05:23	RC/JU	Not Ok
28	Q2815-01	BF143403.D	15 Aug 2025 05:52	RC/JU	Ok
29	Q2815-02	BF143404.D	15 Aug 2025 06:22	RC/JU	Ok
30	Q2815-03	BF143405.D	15 Aug 2025 06:51	RC/JU	Ok
31	Q2815-04	BF143406.D	15 Aug 2025 07:20	RC/JU	Ok
32	Q2815-05	BF143407.D	15 Aug 2025 07:49	RC/JU	Ok
33	Q2815-06	BF143408.D	15 Aug 2025 08:18	RC/JU	Ok
34	Q2815-07	BF143409.D	15 Aug 2025 08:48	RC/JU	Ok
35	Q2815-08	BF143410.D	15 Aug 2025 09:17	RC/JU	ReRun
36	Q2815-09	BF143411.D	15 Aug 2025 09:46	RC/JU	Ok
37	Q2858-01	BF143412.D	15 Aug 2025 10:16	RC/JU	Dilution
38	Q2858-01DL	BF143413.D	15 Aug 2025 10:48	RC/JU	Ok,M
39	SSTDCCC040	BF143414.D	15 Aug 2025 12:45	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM		
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM		
SubDirectory	BF082025	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13171,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143476.D	20 Aug 2025 10:26	RC/JU	Ok
2	SSTDICC2.5	BF143477.D	20 Aug 2025 10:55	RC/JU	Ok
3	SSTDICC005	BF143478.D	20 Aug 2025 11:25	RC/JU	Ok
4	SSTDICC010	BF143479.D	20 Aug 2025 11:54	RC/JU	Ok
5	SSTDICC020	BF143480.D	20 Aug 2025 12:23	RC/JU	Ok
6	SSTDICCC040	BF143481.D	20 Aug 2025 12:53	RC/JU	Ok
7	SSTDICC050	BF143482.D	20 Aug 2025 13:22	RC/JU	Ok
8	SSTDICC060	BF143483.D	20 Aug 2025 13:51	RC/JU	Ok
9	SSTDICC080	BF143484.D	20 Aug 2025 14:20	RC/JU	Ok
10	SSTDICV040	BF143485.D	20 Aug 2025 15:16	RC/JU	Ok
11	PB169299BL	BF143486.D	20 Aug 2025 15:46	RC/JU	Ok
12	PB169299BS	BF143487.D	20 Aug 2025 16:15	RC/JU	Not Ok
13	PB169313BS	BF143488.D	20 Aug 2025 16:44	RC/JU	Not Ok
14	PB169313BSD	BF143489.D	20 Aug 2025 17:13	RC/JU	Not Ok
15	Q2892-12	BF143490.D	20 Aug 2025 17:43	RC/JU	Ok
16	Q2892-10	BF143491.D	20 Aug 2025 18:12	RC/JU	Ok
17	Q2892-10MS	BF143492.D	20 Aug 2025 18:41	RC/JU	Ok,M
18	Q2892-10MSD	BF143493.D	20 Aug 2025 19:10	RC/JU	Ok,M
19	Q2900-06	BF143494.D	20 Aug 2025 19:39	RC/JU	Ok
20	Q2900-07	BF143495.D	20 Aug 2025 20:08	RC/JU	Ok
21	Q2900-04	BF143496.D	20 Aug 2025 20:37	RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM
SubDirectory	BF082025	HP Acquire Method	BNA_F
		HP Processing Method	bf082025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	DFTPP	BF143497.D	20 Aug 2025 21:36	RC/JU	Ok
23	SSTDCCC040	BF143498.D	20 Aug 2025 22:05	RC/JU	Ok
24	PB169313BL	BF143499.D	20 Aug 2025 22:34	RC/JU	Not Ok
25	PB169223BS	BF143500.D	20 Aug 2025 23:03	RC/JU	Ok,M
26	PB169223BSD	BF143501.D	20 Aug 2025 23:32	RC/JU	Ok,M
27	Q2815-12	BF143502.D	21 Aug 2025 00:00	RC/JU	Ok
28	Q2900-01	BF143503.D	21 Aug 2025 00:29	RC/JU	Ok
29	Q2819-20	BF143504.D	21 Aug 2025 00:58	RC/JU	Ok
30	Q2819-14	BF143505.D	21 Aug 2025 01:27	RC/JU	Ok
31	Q2819-15	BF143506.D	21 Aug 2025 01:56	RC/JU	Ok
32	Q2819-18	BF143507.D	21 Aug 2025 02:25	RC/JU	Ok
33	Q2819-19	BF143508.D	21 Aug 2025 02:54	RC/JU	Ok
34	Q2892-06	BF143509.D	21 Aug 2025 03:23	RC/JU	Ok
35	Q2892-08	BF143510.D	21 Aug 2025 03:52	RC/JU	Ok
36	Q2900-02	BF143511.D	21 Aug 2025 04:21	RC/JU	Dilution
37	Q2900-03	BF143512.D	21 Aug 2025 04:49	RC/JU	Dilution
38	Q2900-05	BF143513.D	21 Aug 2025 05:18	RC/JU	Dilution
39	Q2815-11	BF143514.D	21 Aug 2025 05:47	RC/JU	Ok
40	Q2815-08	BF143515.D	21 Aug 2025 06:15	RC/JU	Ok
41	SSTDCCC040	BF143516.D	21 Aug 2025 06:44	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM
SubDirectory	BF082125	HP Acquire Method	BNA_F
		HP Processing Method	bf082025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143517.D	21 Aug 2025 08:20	RC/JU	Ok
2	SSTDCCC040	BF143518.D	21 Aug 2025 09:21	RC/JU	Ok
3	PB169299BL	BF143519.D	21 Aug 2025 09:50	RC/JU	Ok
4	Q2820-24	BF143520.D	21 Aug 2025 10:20	RC/JU	Ok
5	Q2820-12	BF143521.D	21 Aug 2025 10:49	RC/JU	Ok
6	Q2900-02DL	BF143522.D	21 Aug 2025 11:18	RC/JU	Dilution
7	Q2900-03DL	BF143523.D	21 Aug 2025 11:47	RC/JU	Dilution
8	Q2900-05DL	BF143524.D	21 Aug 2025 12:17	RC/JU	Dilution
9	Q2819-07	BF143525.D	21 Aug 2025 12:46	RC/JU	Ok,M
10	Q2819-08	BF143526.D	21 Aug 2025 13:15	RC/JU	Ok,M
11	Q2900-02DL2	BF143527.D	21 Aug 2025 13:44	RC/JU	Ok
12	Q2900-03DL2	BF143528.D	21 Aug 2025 14:13	RC/JU	Ok
13	Q2900-05DL2	BF143529.D	21 Aug 2025 14:42	RC/JU	Ok
14	Q2819-10RE	BF143530.D	21 Aug 2025 15:11	RC/JU	Confirms
15	Q2819-11	BF143531.D	21 Aug 2025 15:40	RC/JU	Ok,M
16	Q2819-06	BF143532.D	21 Aug 2025 16:09	RC/JU	Ok
17	Q2819-01	BF143533.D	21 Aug 2025 16:38	RC/JU	Ok,M
18	Q2814-07	BF143534.D	21 Aug 2025 17:07	RC/JU	Ok
19	Q2815-15	BF143535.D	21 Aug 2025 17:36	RC/JU	Ok
20	Q2814-19	BF143536.D	21 Aug 2025 18:05	RC/JU	Ok
21	Q2819-13	BF143537.D	21 Aug 2025 18:34	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM
SubDirectory	BF082125	HP Acquire Method	BNA_F
		HP Processing Method	bf082025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2819-04RE	BF143538.D	21 Aug 2025 19:03	RC/JU	Confirms
23	SSTDCCC040	BF143539.D	21 Aug 2025 19:32	RC/JU	Ok
24	DFTPP	BF143540.D	21 Aug 2025 20:02	RC/JU	Ok
25	SSTDCCC040	BF143541.D	21 Aug 2025 21:00	RC/JU	Ok
26	PB169330BL	BF143542.D	21 Aug 2025 21:58	RC/JU	Not Ok
27	PB169330BS	BF143543.D	21 Aug 2025 22:27	RC/JU	Not Ok
28	Q2903-01	BF143544.D	21 Aug 2025 22:56	RC/JU	ReRun
29	Q2903-02	BF143545.D	21 Aug 2025 23:25	RC/JU	ReRun
30	Q2903-03	BF143546.D	21 Aug 2025 23:54	RC/JU	ReRun
31	Q2903-04	BF143547.D	22 Aug 2025 00:23	RC/JU	ReRun
32	Q2903-05MS	BF143548.D	22 Aug 2025 00:52	RC/JU	Not Ok
33	Q2903-06MSD	BF143549.D	22 Aug 2025 01:21	RC/JU	Not Ok
34	Q2903-07	BF143550.D	22 Aug 2025 01:51	RC/JU	ReRun
35	Q2903-08	BF143551.D	22 Aug 2025 02:19	RC/JU	ReRun
36	Q2903-09	BF143552.D	22 Aug 2025 02:49	RC/JU	ReRun
37	Q2903-10	BF143553.D	22 Aug 2025 03:18	RC/JU	ReRun
38	Q2903-11	BF143554.D	22 Aug 2025 03:46	RC/JU	Dilution
39	Q2903-12	BF143555.D	22 Aug 2025 04:16	RC/JU	ReRun
40	Q2915-01	BF143556.D	22 Aug 2025 04:45	RC/JU	ReRun
41	Q2915-01MS	BF143557.D	22 Aug 2025 05:14	RC/JU	Not Ok
42	Q2915-01MSD	BF143558.D	22 Aug 2025 05:43	RC/JU	Not Ok
43	Q2915-03	BF143559.D	22 Aug 2025 06:11	RC/JU	ReRun
44	Q2892-04	BF143560.D	22 Aug 2025 06:40	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM		
SubDirectory	BF082125	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13171,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

45	Q2892-02	BF143561.D	22 Aug 2025 07:09	RC/JU	ReRun
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M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025390.D	14 Aug 2025 10:30	CG/JU	Ok
2	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	CG/JU	Not Ok
3	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33	CG/JU	Ok
4	SSTDICC005	BP025393.D	14 Aug 2025 13:15	CG/JU	Ok,M
5	SSTDICC010	BP025394.D	14 Aug 2025 13:56	CG/JU	Ok,M
6	SSTDICC020	BP025395.D	14 Aug 2025 14:38	CG/JU	Ok,M
7	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	CG/JU	Ok,M
8	SSTDICC050	BP025397.D	14 Aug 2025 16:01	CG/JU	Ok,M
9	SSTDICC060	BP025398.D	14 Aug 2025 16:42	CG/JU	Ok
10	SSTDICC080	BP025399.D	14 Aug 2025 17:24	CG/JU	Ok,M
11	SSTDICV040	BP025400.D	14 Aug 2025 18:05	CG/JU	Ok,M
12	PB169200TB	BP025401.D	14 Aug 2025 19:28	CG/JU	Ok
13	PB169210BS	BP025402.D	14 Aug 2025 20:10	CG/JU	Ok,M
14	SSTDCCC040	BP025403.D	14 Aug 2025 20:51	CG/JU	Ok,M
15	DFTPP	BP025404.D	14 Aug 2025 22:14	CG/JU	Ok
16	SSTDCCC040	BP025405.D	14 Aug 2025 22:56	CG/JU	Ok,M
17	PB169228BL	BP025406.D	14 Aug 2025 23:37	CG/JU	Ok
18	PB169228BS	BP025407.D	15 Aug 2025 00:18	CG/JU	Ok,M
19	Q2820-10	BP025408.D	15 Aug 2025 01:00	CG/JU	Ok
20	Q2820-11	BP025409.D	15 Aug 2025 01:41	CG/JU	Ok
21	Q2820-21	BP025410.D	15 Aug 2025 02:22	CG/JU	ReRun

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2820-22	BP025411.D	15 Aug 2025 03:03	CG/JU	ReRun
23	Q2820-14	BP025412.D	15 Aug 2025 03:45	CG/JU	Ok
24	Q2820-16	BP025413.D	15 Aug 2025 04:26	CG/JU	Ok
25	Q2820-17	BP025414.D	15 Aug 2025 05:07	CG/JU	Ok
26	Q2820-17MS	BP025415.D	15 Aug 2025 05:48	CG/JU	Ok,M
27	Q2820-17MSD	BP025416.D	15 Aug 2025 06:29	CG/JU	Ok,M
28	Q2820-18	BP025417.D	15 Aug 2025 07:10	CG/JU	Ok
29	Q2820-19	BP025418.D	15 Aug 2025 07:51	CG/JU	ReRun
30	Q2820-20	BP025419.D	15 Aug 2025 08:32	CG/JU	ReRun
31	SSTDCCC040	BP025420.D	15 Aug 2025 09:13	CG/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM
SubDirectory	BP081525	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13170,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025421.D	15 Aug 2025 09:55	CG/JU	Ok
2	SSTDCCC040	BP025422.D	15 Aug 2025 10:36	CG/JU	Ok,M
3	PB169230BL	BP025423.D	15 Aug 2025 11:17	CG/JU	Ok
4	PB169230BS	BP025424.D	15 Aug 2025 11:59	CG/JU	Ok,M
5	PB169230BSD	BP025425.D	15 Aug 2025 13:26	CG/JU	Ok
6	Q2814-05RE	BP025426.D	15 Aug 2025 14:08	CG/JU	Confirms
7	Q2814-20	BP025427.D	15 Aug 2025 14:49	CG/JU	Ok
8	Q2814-11	BP025428.D	15 Aug 2025 15:31	CG/JU	Not Ok
9	Q2814-17	BP025429.D	15 Aug 2025 16:12	CG/JU	Ok
10	Q2814-18	BP025430.D	15 Aug 2025 16:54	CG/JU	ReRun
11	Q2827-05DL	BP025431.D	15 Aug 2025 17:35	CG/JU	Ok,M
12	Q2820-07RE	BP025432.D	15 Aug 2025 18:17	CG/JU	Confirms
13	Q2820-01RE	BP025433.D	15 Aug 2025 18:58	CG/JU	Confirms
14	Q2820-21RE	BP025434.D	15 Aug 2025 19:40	CG/JU	Confirms
15	Q2820-22RE	BP025435.D	15 Aug 2025 20:21	CG/JU	Confirms
16	SSTDCCC040	BP025436.D	15 Aug 2025 21:03	CG/JU	Ok,M
17	DFTPP	BP025437.D	15 Aug 2025 23:08	CG/JU	Ok
18	SSTDCCC040	BP025438.D	15 Aug 2025 23:49	CG/JU	Ok,M
19	PB169275BL	BP025439.D	16 Aug 2025 00:31	CG/JU	Ok
20	PB169275BS	BP025440.D	16 Aug 2025 01:13	CG/JU	Ok,M
21	Q2732-03	BP025441.D	16 Aug 2025 01:55	CG/JU	Ok

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM		
SubDirectory	BP081525	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13170,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2836-03	BP025442.D	16 Aug 2025 02:37	CG/JU	Ok
23	Q2836-07	BP025443.D	16 Aug 2025 03:19	CG/JU	Ok
24	Q2836-11	BP025444.D	16 Aug 2025 04:00	CG/JU	Ok
25	Q2836-15	BP025445.D	16 Aug 2025 04:41	CG/JU	Ok
26	Q2838-04	BP025446.D	16 Aug 2025 05:22	CG/JU	Ok
27	Q2838-08	BP025447.D	16 Aug 2025 06:04	CG/JU	Ok
28	Q2832-02	BP025448.D	16 Aug 2025 06:45	CG/JU	Ok
29	Q2832-02MS	BP025449.D	16 Aug 2025 07:26	CG/JU	Ok,M
30	Q2832-02MSD	BP025450.D	16 Aug 2025 08:07	CG/JU	Ok,M
31	Q2832-04	BP025451.D	16 Aug 2025 08:48	CG/JU	Ok
32	Q2832-06	BP025452.D	16 Aug 2025 09:29	CG/JU	Ok
33	Q2832-08	BP025453.D	16 Aug 2025 10:11	CG/JU	Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081925

Review By	Rahul	Review On	8/20/2025 11:11:45 AM
Supervise By	Jagrut	Supervise On	8/20/2025 12:07:50 PM
SubDirectory	BP081925	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025469.D	19 Aug 2025 10:03	CG/JU	Ok
2	SSTDCCC040	BP025470.D	19 Aug 2025 10:44	CG/JU	Ok
3	PB169244BL	BP025471.D	19 Aug 2025 11:25	CG/JU	Ok
4	PB169244BS	BP025472.D	19 Aug 2025 12:06	CG/JU	Ok,M
5	PB169244BSD	BP025473.D	19 Aug 2025 12:47	CG/JU	Ok,M
6	Q2815-18	BP025474.D	19 Aug 2025 13:29	CG/JU	Ok
7	Q2815-19	BP025475.D	19 Aug 2025 14:10	CG/JU	Ok
8	Q2815-20	BP025476.D	19 Aug 2025 14:51	CG/JU	Ok
9	Q2815-21	BP025477.D	19 Aug 2025 15:32	CG/JU	Ok
10	Q2815-22	BP025478.D	19 Aug 2025 16:13	CG/JU	Ok
11	Q2815-23	BP025479.D	19 Aug 2025 16:55	CG/JU	Ok
12	Q2815-26	BP025480.D	19 Aug 2025 17:36	CG/JU	Ok
13	Q2820-19RE	BP025481.D	19 Aug 2025 18:17	CG/JU	Confirms
14	Q2820-20RE	BP025482.D	19 Aug 2025 18:58	CG/JU	Confirms
15	Q2815-13	BP025483.D	19 Aug 2025 19:39	CG/JU	Ok
16	Q2815-14	BP025484.D	19 Aug 2025 20:21	CG/JU	Ok
17	SSTDCCC040	BP025485.D	19 Aug 2025 21:43	CG/JU	Ok
18	DFTPP	BP025486.D	19 Aug 2025 23:05	CG/JU	Ok
19	SSTDCCC040	BP025487.D	19 Aug 2025 23:46	CG/JU	Ok,M
20	PB169242BL	BP025488.D	20 Aug 2025 00:27	CG/JU	Ok
21	PB169242BS	BP025489.D	20 Aug 2025 01:07	CG/JU	Ok

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP081925

Review By	Rahul	Review On	8/20/2025 11:11:45 AM		
Supervise By	Jagrut	Supervise On	8/20/2025 12:07:50 PM		
SubDirectory	BP081925	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13171,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2870-04	BP025490.D	20 Aug 2025 01:48	CG/JU	Ok
23	Q2871-01	BP025491.D	20 Aug 2025 02:29	CG/JU	Ok
24	Q2870-01	BP025492.D	20 Aug 2025 03:10	CG/JU	Ok
25	Q2871-04	BP025493.D	20 Aug 2025 03:51	CG/JU	Ok
26	Q2871-07	BP025494.D	20 Aug 2025 04:32	CG/JU	Ok
27	Q2873-04	BP025495.D	20 Aug 2025 05:13	CG/JU	Ok
28	Q2825-01	BP025496.D	20 Aug 2025 05:54	CG/JU	Ok
29	Q2872-01	BP025497.D	20 Aug 2025 06:35	CG/JU	Ok
30	Q2815-17	BP025498.D	20 Aug 2025 07:16	CG/JU	Ok
31	Q2815-16	BP025499.D	20 Aug 2025 07:57	CG/JU	Ok
32	Q2819-05	BP025500.D	20 Aug 2025 08:38	CG/JU	Ok
33	Q2820-13	BP025501.D	20 Aug 2025 09:19	CG/JU	Ok
34	SSTDCCC040	BP025502.D	20 Aug 2025 10:41	CG/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM
Supervise By	Jagrut	Supervise On	8/21/2025 5:57:41 PM
SubDirectory	BP082025	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025503.D	20 Aug 2025 11:24	CG/JU	Ok
2	SSTDCCC040	BP025504.D	20 Aug 2025 12:05	CG/JU	Ok,M
3	PB169259BL	BP025505.D	20 Aug 2025 12:46	CG/JU	Not Ok
4	Q2888-01	BP025506.D	20 Aug 2025 13:30	CG/JU	Ok,M
5	Q2884-03	BP025507.D	20 Aug 2025 14:12	CG/JU	Ok
6	Q2884-01	BP025508.D	20 Aug 2025 14:53	CG/JU	Ok
7	Q2865-02	BP025509.D	20 Aug 2025 15:34	CG/JU	Ok,M
8	Q2889-01	BP025510.D	20 Aug 2025 16:15	CG/JU	Ok,M
9	DFTPP	BP025511.D	20 Aug 2025 17:04	CG/JU	Ok
10	SSTDCCC040	BP025512.D	20 Aug 2025 18:27	CG/JU	Ok
11	PB169259BL	BP025513.D	20 Aug 2025 19:08	CG/JU	Ok
12	PB169259BS	BP025514.D	20 Aug 2025 19:49	CG/JU	Ok
13	Q2819-03	BP025515.D	20 Aug 2025 20:30	CG/JU	Ok
14	Q2819-03MS	BP025516.D	20 Aug 2025 21:11	CG/JU	Ok,M
15	Q2819-03MSD	BP025517.D	20 Aug 2025 21:52	CG/JU	Ok,M
16	Q2819-09	BP025518.D	20 Aug 2025 22:32	CG/JU	Ok
17	Q2819-17	BP025519.D	20 Aug 2025 23:13	CG/JU	Ok
18	Q2819-17MS	BP025520.D	20 Aug 2025 23:54	CG/JU	Ok,M
19	Q2819-17MSD	BP025521.D	21 Aug 2025 00:35	CG/JU	Ok,M
20	Q2814-18RE	BP025522.D	21 Aug 2025 01:15	CG/JU	Confirms
21	Q2820-23	BP025523.D	21 Aug 2025 01:56	CG/JU	Ok

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM
Supervise By	Jagrut	Supervise On	8/21/2025 5:57:41 PM
SubDirectory	BP082025	HP Acquire Method	BNA_P
		HP Processing Method	bp081425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13171,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2819-02	BP025524.D	21 Aug 2025 02:37	CG/JU	Ok
23	Q2815-10	BP025525.D	21 Aug 2025 03:18	CG/JU	Ok
24	SSTDCCC040	BP025526.D	21 Aug 2025 03:59	CG/JU	Ok
25	DFTPP	BP025527.D	21 Aug 2025 06:01	CG/JU	Ok
26	SSTDCCC040	BP025528.D	21 Aug 2025 06:42	CG/JU	Ok
27	PB169285BL	BP025529.D	21 Aug 2025 07:23	CG/JU	Ok
28	PB169285BS	BP025530.D	21 Aug 2025 08:03	CG/JU	Ok,M
29	Q2873-01	BP025531.D	21 Aug 2025 08:44	CG/JU	Ok
30	Q2873-01MS	BP025532.D	21 Aug 2025 09:25	CG/JU	Ok,M
31	Q2873-01MSD	BP025533.D	21 Aug 2025 10:06	CG/JU	Ok,M
32	Q2819-10	BP025534.D	21 Aug 2025 10:50	CG/JU	ReRun
33	Q2819-11	BP025535.D	21 Aug 2025 11:31	CG/JU	ReRun
34	Q2819-12	BP025536.D	21 Aug 2025 12:12	CG/JU	Ok
35	Q2832-09	BP025537.D	21 Aug 2025 12:53	CG/JU	Ok
36	Q2897-01	BP025538.D	21 Aug 2025 13:34	CG/JU	Ok,NR
37	Q2819-04	BP025539.D	21 Aug 2025 14:15	CG/JU	ReRun
38	Q2819-16	BP025540.D	21 Aug 2025 14:56	CG/JU	Ok
39	Q2820-15	BP025541.D	21 Aug 2025 15:37	CG/JU	Ok
40	SSTDCCC040	BP025542.D	21 Aug 2025 17:11	CG/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM
SubDirectory	BF081225	HP Acquire Method	BNA_F
		HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143342.D	12 Aug 2025 08:34		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143343.D	12 Aug 2025 09:03		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143344.D	12 Aug 2025 09:34		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143345.D	12 Aug 2025 10:04		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143346.D	12 Aug 2025 10:35		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF143347.D	12 Aug 2025 11:06	Compound #26,41,48,51,56,57,65,70,80,84, 85 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF143348.D	12 Aug 2025 11:37	Compound #32,54 kept on QR	RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143349.D	12 Aug 2025 12:07		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143350.D	12 Aug 2025 12:38	Compound#09 removed from 80 ppm	RC/JU	Ok
10	SSTDICV040	ICVBF081225	BF143351.D	12 Aug 2025 13:52		RC/JU	Ok
11	PB169189BL	PB169189BL	BF143352.D	12 Aug 2025 14:22		RC/JU	Ok
12	PB169189BS	PB169189BS	BF143353.D	12 Aug 2025 14:53	Compound#44,51,59,62,74 failing high	RC/JU	Ok,M
13	Q2807-02	COMP-5	BF143354.D	12 Aug 2025 15:33		RC/JU	Ok,M
14	Q2807-01	COMP-4	BF143355.D	12 Aug 2025 16:02		RC/JU	Ok
15	Q2807-03	COMP-6	BF143356.D	12 Aug 2025 16:32		RC/JU	Ok,M
16	Q2807-03MS	COMP-6MS	BF143357.D	12 Aug 2025 17:02		RC/JU	Ok
17	Q2807-03MSD	COMP-6MSD	BF143358.D	12 Aug 2025 17:32		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM		
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM		
SubDirectory	BF081225	HP Acquire Method	BNA_F	HP Processing Method	bf081225
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13170,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2830-07	BIN0009-DRIVEWAY-T	BF143359.D	12 Aug 2025 18:02		RC/JU	Ok
19	Q2830-01	BIN0009-DRIVEWAY-T	BF143360.D	12 Aug 2025 18:32		RC/JU	Ok
20	Q2830-03	BIN0009-DRIVEWAY-T	BF143361.D	12 Aug 2025 19:02		RC/JU	Ok
21	Q2830-05	BIN0009-DRIVEWAY-T	BF143362.D	12 Aug 2025 19:32		RC/JU	Ok
22	Q2831-01	VNJ-238	BF143363.D	12 Aug 2025 20:02		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081425

Review By	Rahul	Review On	8/15/2025 9:33:03 AM
Supervise By	Jagrut	Supervise On	8/15/2025 2:49:47 PM
SubDirectory	BF081425	HP Acquire Method	BNA_F
		HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143376.D	14 Aug 2025 11:55		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143377.D	14 Aug 2025 12:55		RC/JU	Ok,M
3	PB169223BL	PB169223BL	BF143378.D	14 Aug 2025 13:25		RC/JU	Ok
4	Q2814-01	TW-84SB-E	BF143379.D	14 Aug 2025 13:55		RC/JU	Ok
5	Q2814-02	TW-17M-N	BF143380.D	14 Aug 2025 14:25		RC/JU	Ok
6	Q2814-03	TW-17M-W	BF143381.D	14 Aug 2025 14:55		RC/JU	Ok
7	Q2814-04	TW-82H-N	BF143382.D	14 Aug 2025 15:26		RC/JU	Ok
8	Q2814-05	TW-82H-E	BF143383.D	14 Aug 2025 15:56	Surrogate Fail	RC/JU	ReRun
9	Q2814-06	TW-82H-S	BF143384.D	14 Aug 2025 16:26		RC/JU	Ok
10	Q2814-20	TW-518R-W	BF143385.D	14 Aug 2025 16:55	Positive Hit for compound#84	RC/JU	ReRun
11	Q2814-08	TW-38M-E	BF143386.D	14 Aug 2025 17:26		RC/JU	Ok
12	Q2814-09	TW-38M-W	BF143387.D	14 Aug 2025 17:56		RC/JU	Ok
13	Q2814-10	TW-38M-N	BF143388.D	14 Aug 2025 18:26		RC/JU	Ok
14	Q2814-11	TW-38M-S	BF143389.D	14 Aug 2025 18:56		RC/JU	Ok
15	Q2814-12	TW-BP-S	BF143390.D	14 Aug 2025 19:26		RC/JU	Ok
16	Q2814-13	TW-BP-N	BF143391.D	14 Aug 2025 19:56		RC/JU	Ok
17	Q2814-14	TW-BP-E	BF143392.D	14 Aug 2025 20:26		RC/JU	Ok
18	Q2814-15	TW-BP-W	BF143393.D	14 Aug 2025 20:56		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081425

Review By	Rahul	Review On	8/15/2025 9:33:03 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 2:49:47 PM		
SubDirectory	BF081425	HP Acquire Method	BNA_F	HP Processing Method	bf081225
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13170,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2814-17	TW-518R-S	BF143394.D	14 Aug 2025 21:26	Positive Hit for compound#84	RC/JU	ReRun
20	Q2814-18	TW-518R-N	BF143395.D	14 Aug 2025 21:56	Positive Hit for compound#84	RC/JU	Not Ok
21	Q2814-16	FB	BF143396.D	14 Aug 2025 22:26		RC/JU	Ok
22	SSTDCCC040	SSTDCCC040EC	BF143397.D	14 Aug 2025 22:56		RC/JU	Ok,M
23	DFTPP	DFTPP	BF143398.D	15 Aug 2025 01:26		RC/JU	Ok
24	SSTDCCC040	SSTDCCC040	BF143399.D	15 Aug 2025 03:54		RC/JU	Ok,M
25	PB169230BL	PB169230BL	BF143400.D	15 Aug 2025 04:24		RC/JU	Ok
26	PB169230BS	PB169230BS	BF143401.D	15 Aug 2025 04:53	Bis(2-ethylhexyl)phthalate & Butylbenzylphthalate biased High in CCC.	RC/JU	Not Ok
27	PB169230BSD	PB169230BSD	BF143402.D	15 Aug 2025 05:23	Bis(2-ethylhexyl)phthalate & Butylbenzylphthalate biased High in CCC.	RC/JU	Not Ok
28	Q2815-01	TW-705R-S	BF143403.D	15 Aug 2025 05:52	Surrogates Failed.	RC/JU	Ok
29	Q2815-02	TW-10PC-W	BF143404.D	15 Aug 2025 06:22		RC/JU	Ok
30	Q2815-03	TW-10P-E	BF143405.D	15 Aug 2025 06:51		RC/JU	Ok
31	Q2815-04	TW-10P-S	BF143406.D	15 Aug 2025 07:20		RC/JU	Ok
32	Q2815-05	TW-10P-W	BF143407.D	15 Aug 2025 07:49		RC/JU	Ok
33	Q2815-06	TW-10P-N	BF143408.D	15 Aug 2025 08:18		RC/JU	Ok
34	Q2815-07	TW-88H-E	BF143409.D	15 Aug 2025 08:48		RC/JU	Ok
35	Q2815-08	TW-88H-N	BF143410.D	15 Aug 2025 09:17	Positive Hit for compound#84	RC/JU	ReRun
36	Q2815-09	TW-88H-W	BF143411.D	15 Aug 2025 09:46		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081425

Review By	Rahul	Review On	8/15/2025 9:33:03 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 2:49:47 PM		
SubDirectory	BF081425	HP Acquire Method	BNA_F	HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	Q2858-01	VNJ 216	BF143412.D	15 Aug 2025 10:16	Need 10X Dilution	RC/JU	Dilution
38	Q2858-01DL	VNJ 216DL	BF143413.D	15 Aug 2025 10:48		RC/JU	Ok,M
39	SSTDCCC040	SSTDCCC040EC	BF143414.D	15 Aug 2025 12:45		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM
SubDirectory	BF082025	HP Acquire Method	BNA_F
		HP Processing Method	bf082025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143476.D	20 Aug 2025 10:26		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143477.D	20 Aug 2025 10:55		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143478.D	20 Aug 2025 11:25		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143479.D	20 Aug 2025 11:54		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF143480.D	20 Aug 2025 12:23	compounds #32,41,54 kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF143481.D	20 Aug 2025 12:53	Benzidine failed in the Calibration Method.	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF143482.D	20 Aug 2025 13:22		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143483.D	20 Aug 2025 13:51		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143484.D	20 Aug 2025 14:20	Compound #9 removed from 80PPM	RC/JU	Ok
10	SSTDICV040	ICVBF082025	BF143485.D	20 Aug 2025 15:16		RC/JU	Ok
11	PB169299BL	PB169299BL	BF143486.D	20 Aug 2025 15:46		RC/JU	Ok
12	PB169299BS	PB169299BS	BF143487.D	20 Aug 2025 16:15	Recovery is low for compound #3,3-Dichlorobenzidine	RC/JU	Not Ok
13	PB169313BS	PB169313BS	BF143488.D	20 Aug 2025 16:44	Benzidine failed in the Calibration Method.	RC/JU	Not Ok
14	PB169313BSD	PB169313BSD	BF143489.D	20 Aug 2025 17:13	Benzidine failed in the Calibration Method. ,Recovery is low for compound #3,3-Dichlorobenzidine	RC/JU	Not Ok
15	Q2892-12	FRONT-1-FLOOR-F	BF143490.D	20 Aug 2025 17:43		RC/JU	Ok
16	Q2892-10	3-FLOOR-SOUTH-E	BF143491.D	20 Aug 2025 18:12		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM		
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM		
SubDirectory	BF082025	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13171,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

17	Q2892-10MS	3-FLOOR-SOUTH-EMS	BF143492.D	20 Aug 2025 18:41		RC/JU	Ok,M
18	Q2892-10MSD	3-FLOOR-SOUTH-EMS	BF143493.D	20 Aug 2025 19:10		RC/JU	Ok,M
19	Q2900-06	MW-17C-081825	BF143494.D	20 Aug 2025 19:39		RC/JU	Ok
20	Q2900-07	MW-11B-081825	BF143495.D	20 Aug 2025 20:08		RC/JU	Ok
21	Q2900-04	MW-17B-081825	BF143496.D	20 Aug 2025 20:37		RC/JU	Ok
22	DFTPP	DFTPP	BF143497.D	20 Aug 2025 21:36		RC/JU	Ok
23	SSTDCCC040	SSTDCCC040	BF143498.D	20 Aug 2025 22:05		RC/JU	Ok
24	PB169313BL	PB169313BL	BF143499.D	20 Aug 2025 22:34	Benzidine failed in the Calibration Method.	RC/JU	Not Ok
25	PB169223BS	PB169223BS	BF143500.D	20 Aug 2025 23:03		RC/JU	Ok,M
26	PB169223BSD	PB169223BSD	BF143501.D	20 Aug 2025 23:32		RC/JU	Ok,M
27	Q2815-12	TW-22M-S	BF143502.D	21 Aug 2025 00:00		RC/JU	Ok
28	Q2900-01	MN-9C-081825	BF143503.D	21 Aug 2025 00:29		RC/JU	Ok
29	Q2819-20	82H-E	BF143504.D	21 Aug 2025 00:58		RC/JU	Ok
30	Q2819-14	17M-W	BF143505.D	21 Aug 2025 01:27		RC/JU	Ok
31	Q2819-15	17M-N	BF143506.D	21 Aug 2025 01:56		RC/JU	Ok
32	Q2819-18	38M-W	BF143507.D	21 Aug 2025 02:25		RC/JU	Ok
33	Q2819-19	38M-E	BF143508.D	21 Aug 2025 02:54		RC/JU	Ok
34	Q2892-06	BACK-1-FLOOR-CENT	BF143509.D	21 Aug 2025 03:23		RC/JU	Ok
35	Q2892-08	3-FLOOR-NORTH-D	BF143510.D	21 Aug 2025 03:52		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM		
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM		
SubDirectory	BF082025	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME		STD REF.#			
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13171,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

36	Q2900-02	MN-12C-081825	BF143511.D	21 Aug 2025 04:21	Internal standard fail and need 20X then decide further dilution.	RC/JU	Dilution
37	Q2900-03	DUP-01-081825	BF143512.D	21 Aug 2025 04:49	Internal standard fail and need 20X then decide further dilution.	RC/JU	Dilution
38	Q2900-05	MW-11C-081825	BF143513.D	21 Aug 2025 05:18	Internal standard fail and need 20X then decide further dilution.	RC/JU	Dilution
39	Q2815-11	TW-22M-W	BF143514.D	21 Aug 2025 05:47		RC/JU	Ok
40	Q2815-08	TW-88H-N	BF143515.D	21 Aug 2025 06:15		RC/JU	Ok
41	SSTDCCC040	SSTDCCC040EC	BF143516.D	21 Aug 2025 06:44		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM
SubDirectory	BF082125	HP Acquire Method	BNA_F
		HP Processing Method	bf082025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143517.D	21 Aug 2025 08:20		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143518.D	21 Aug 2025 09:21		RC/JU	Ok
3	PB169299BL	PB169299BL	BF143519.D	21 Aug 2025 09:50		RC/JU	Ok
4	Q2820-24	22M-S	BF143520.D	21 Aug 2025 10:20		RC/JU	Ok
5	Q2820-12	10PC-S	BF143521.D	21 Aug 2025 10:49		RC/JU	Ok
6	Q2900-02DL	MN-12C-081825DL	BF143522.D	21 Aug 2025 11:18	Need 5X further Dilution	RC/JU	Dilution
7	Q2900-03DL	DUP-01-081825DL	BF143523.D	21 Aug 2025 11:47	Need 5X further Dilution	RC/JU	Dilution
8	Q2900-05DL	MW-11C-081825DL	BF143524.D	21 Aug 2025 12:17	Need 2X further Dilution	RC/JU	Dilution
9	Q2819-07	11M-N	BF143525.D	21 Aug 2025 12:46		RC/JU	Ok,M
10	Q2819-08	11M-E	BF143526.D	21 Aug 2025 13:15		RC/JU	Ok,M
11	Q2900-02DL2	MN-12C-081825DL2	BF143527.D	21 Aug 2025 13:44		RC/JU	Ok
12	Q2900-03DL2	DUP-01-081825DL2	BF143528.D	21 Aug 2025 14:13		RC/JU	Ok
13	Q2900-05DL2	MW-11C-081825DL2	BF143529.D	21 Aug 2025 14:42		RC/JU	Ok
14	Q2819-10RE	84SB-SRE	BF143530.D	21 Aug 2025 15:11	Surrogate Fail	RC/JU	Confirms
15	Q2819-11	84SB-W	BF143531.D	21 Aug 2025 15:40		RC/JU	Ok,M
16	Q2819-06	11M-S	BF143532.D	21 Aug 2025 16:09		RC/JU	Ok
17	Q2819-01	22BP-N	BF143533.D	21 Aug 2025 16:38		RC/JU	Ok,M
18	Q2814-07	TW-82H-W	BF143534.D	21 Aug 2025 17:07		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM		
SubDirectory	BF082125	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13171,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2815-15	TW-17M-E	BF143535.D	21 Aug 2025 17:36		RC/JU	Ok
20	Q2814-19	TW-518R-E	BF143536.D	21 Aug 2025 18:05		RC/JU	Ok
21	Q2819-13	17M-E	BF143537.D	21 Aug 2025 18:34		RC/JU	Ok
22	Q2819-04RE	22BP-SRE	BF143538.D	21 Aug 2025 19:03	Surrogate fail.	RC/JU	Confirms
23	SSTDCCC040	SSTDCCC040EC	BF143539.D	21 Aug 2025 19:32	CCC fail for comp#70 from high side	RC/JU	Ok
24	DFTPP	DFTPP	BF143540.D	21 Aug 2025 20:02		RC/JU	Ok
25	SSTDCCC040	SSTDCCC040	BF143541.D	21 Aug 2025 21:00	CCC fail high for compound#9,69,70,74 & CCC fail low for compound # 78,79,87,91,92.	RC/JU	Ok
26	PB169330BL	PB169330BL	BF143542.D	21 Aug 2025 21:58	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
27	PB169330BS	PB169330BS	BF143543.D	21 Aug 2025 22:27	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
28	Q2903-01	MW-6A-081925	BF143544.D	21 Aug 2025 22:56	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
29	Q2903-02	MW-1C-081925	BF143545.D	21 Aug 2025 23:25	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
30	Q2903-03	MW-6B-081925	BF143546.D	21 Aug 2025 23:54	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
31	Q2903-04	MW-1B-081925	BF143547.D	22 Aug 2025 00:23	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
32	Q2903-05MS	MW-6B-081925MS	BF143548.D	22 Aug 2025 00:52	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
33	Q2903-06MSD	MW-6B-081925MSD	BF143549.D	22 Aug 2025 01:21	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
34	Q2903-07	MW-12B-081925	BF143550.D	22 Aug 2025 01:51	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM		
SubDirectory	BF082125	HP Acquire Method	BNA_F	HP Processing Method	bf082025
STD. NAME		STD REF.#			
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13171,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

35	Q2903-08	MW-18B-081925	BF143551.D	22 Aug 2025 02:19	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
36	Q2903-09	DUP-02-081925	BF143552.D	22 Aug 2025 02:49	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
37	Q2903-10	MW-17A-081925	BF143553.D	22 Aug 2025 03:18	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
38	Q2903-11	MW-18A-081925	BF143554.D	22 Aug 2025 03:46	CCC fail low for compound # 78,87,91,92.Need 2X Dilution	RC/JU	Dilution
39	Q2903-12	MW-16B-081925	BF143555.D	22 Aug 2025 04:16	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
40	Q2915-01	BRIDGE-WEST	BF143556.D	22 Aug 2025 04:45	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
41	Q2915-01MS	BRIDGE-WESTMS	BF143557.D	22 Aug 2025 05:14	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
42	Q2915-01MSD	BRIDGE-WESTMSD	BF143558.D	22 Aug 2025 05:43	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
43	Q2915-03	BRIDGE-EAST	BF143559.D	22 Aug 2025 06:11	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
44	Q2892-04	1-FLOOR-DRILL-B-BA	BF143560.D	22 Aug 2025 06:40	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
45	Q2892-02	1-FLOOR-NORTH-EAS	BF143561.D	22 Aug 2025 07:09	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM
SubDirectory	BP081425	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025390.D	14 Aug 2025 10:30		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	A Fresh Calibration is required.	CG/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33		CG/JU	Ok
4	SSTDICC005	SSTDICC005	BP025393.D	14 Aug 2025 13:15		CG/JU	Ok,M
5	SSTDICC010	SSTDICC010	BP025394.D	14 Aug 2025 13:56		CG/JU	Ok,M
6	SSTDICC020	SSTDICC020	BP025395.D	14 Aug 2025 14:38		CG/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	Benzidine failed in the Calibration Method.	CG/JU	Ok,M
8	SSTDICC050	SSTDICC050	BP025397.D	14 Aug 2025 16:01		CG/JU	Ok,M
9	SSTDICC060	SSTDICC060	BP025398.D	14 Aug 2025 16:42		CG/JU	Ok
10	SSTDICC080	SSTDICC080	BP025399.D	14 Aug 2025 17:24		CG/JU	Ok,M
11	SSTDICV040	ICVBP081425	BP025400.D	14 Aug 2025 18:05		CG/JU	Ok,M
12	PB169200TB	PB169200TB	BP025401.D	14 Aug 2025 19:28		CG/JU	Ok
13	PB169210BS	PB169210BS	BP025402.D	14 Aug 2025 20:10		CG/JU	Ok,M
14	SSTDCCC040	SSTDCCC040EC	BP025403.D	14 Aug 2025 20:51		CG/JU	Ok,M
15	DFTPP	DFTPP	BP025404.D	14 Aug 2025 22:14		CG/JU	Ok
16	SSTDCCC040	SSTDCCC040	BP025405.D	14 Aug 2025 22:56		CG/JU	Ok,M
17	PB169228BL	PB169228BL	BP025406.D	14 Aug 2025 23:37		CG/JU	Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13170,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	PB169228BS	PB169228BS	BP025407.D	15 Aug 2025 00:18		CG/JU	Ok,M
19	Q2820-10	SOIL-DUP-2	BP025408.D	15 Aug 2025 01:00		CG/JU	Ok
20	Q2820-11	10PC-W	BP025409.D	15 Aug 2025 01:41		CG/JU	Ok
21	Q2820-21	22M-N	BP025410.D	15 Aug 2025 02:22	Surrogate Fail	CG/JU	ReRun
22	Q2820-22	22M-W	BP025411.D	15 Aug 2025 03:03	Surrogate Fail	CG/JU	ReRun
23	Q2820-14	10P-E	BP025412.D	15 Aug 2025 03:45		CG/JU	Ok
24	Q2820-16	10P-N	BP025413.D	15 Aug 2025 04:26		CG/JU	Ok
25	Q2820-17	88H-E	BP025414.D	15 Aug 2025 05:07		CG/JU	Ok
26	Q2820-17MS	88H-EMS	BP025415.D	15 Aug 2025 05:48		CG/JU	Ok,M
27	Q2820-17MSD	88H-EMSD	BP025416.D	15 Aug 2025 06:29		CG/JU	Ok,M
28	Q2820-18	88H-N	BP025417.D	15 Aug 2025 07:10		CG/JU	Ok
29	Q2820-19	88H-W	BP025418.D	15 Aug 2025 07:51	Surrogate fail	CG/JU	ReRun
30	Q2820-20	88H-S	BP025419.D	15 Aug 2025 08:32	Surrogate Fail	CG/JU	ReRun
31	SSTDCCC040	SSTDCCC040EC	BP025420.D	15 Aug 2025 09:13		CG/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM
SubDirectory	BP081525	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025421.D	15 Aug 2025 09:55		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025422.D	15 Aug 2025 10:36		CG/JU	Ok,M
3	PB169230BL	PB169230BL	BP025423.D	15 Aug 2025 11:17		CG/JU	Ok
4	PB169230BS	PB169230BS	BP025424.D	15 Aug 2025 11:59		CG/JU	Ok,M
5	PB169230BSD	PB169230BSD	BP025425.D	15 Aug 2025 13:26		CG/JU	Ok
6	Q2814-05RE	TW-82H-ERE	BP025426.D	15 Aug 2025 14:08	Surrogate Fail	CG/JU	Confirms
7	Q2814-20	TW-518R-W	BP025427.D	15 Aug 2025 14:49		CG/JU	Ok
8	Q2814-11	TW-38M-S	BP025428.D	15 Aug 2025 15:31	Already analyzed with ok status	CG/JU	Not Ok
9	Q2814-17	TW-518R-S	BP025429.D	15 Aug 2025 16:12		CG/JU	Ok
10	Q2814-18	TW-518R-N	BP025430.D	15 Aug 2025 16:54	Surrogate Fail	CG/JU	ReRun
11	Q2827-05DL	TP-9DL	BP025431.D	15 Aug 2025 17:35		CG/JU	Ok,M
12	Q2820-07RE	518R-SRE	BP025432.D	15 Aug 2025 18:17	Surrogate Fail	CG/JU	Confirms
13	Q2820-01RE	82H-SRE	BP025433.D	15 Aug 2025 18:58	Surrogate Fail	CG/JU	Confirms
14	Q2820-21RE	22M-NRE	BP025434.D	15 Aug 2025 19:40	Surrogate Fail	CG/JU	Confirms
15	Q2820-22RE	22M-WRE	BP025435.D	15 Aug 2025 20:21	Surrogate Fail	CG/JU	Confirms
16	SSTDCCC040	SSTDCCC040EC	BP025436.D	15 Aug 2025 21:03		CG/JU	Ok,M
17	DFTPP	DFTPP	BP025437.D	15 Aug 2025 23:08		CG/JU	Ok
18	SSTDCCC040	SSTDCCC040	BP025438.D	15 Aug 2025 23:49		CG/JU	Ok,M

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM		
SubDirectory	BP081525	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13170,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	PB169275BL	PB169275BL	BP025439.D	16 Aug 2025 00:31		CG/JU	Ok
20	PB169275BS	PB169275BS	BP025440.D	16 Aug 2025 01:13		CG/JU	Ok,M
21	Q2732-03	WC-A7-01-C	BP025441.D	16 Aug 2025 01:55		CG/JU	Ok
22	Q2836-03	WC-A2-15-C	BP025442.D	16 Aug 2025 02:37		CG/JU	Ok
23	Q2836-07	WC-A2-16-C	BP025443.D	16 Aug 2025 03:19		CG/JU	Ok
24	Q2836-11	WC-A2-17-C	BP025444.D	16 Aug 2025 04:00		CG/JU	Ok
25	Q2836-15	WC-A5-02-C	BP025445.D	16 Aug 2025 04:41		CG/JU	Ok
26	Q2838-04	TP-11	BP025446.D	16 Aug 2025 05:22		CG/JU	Ok
27	Q2838-08	TP-10	BP025447.D	16 Aug 2025 06:04		CG/JU	Ok
28	Q2832-02	TG-S01	BP025448.D	16 Aug 2025 06:45		CG/JU	Ok
29	Q2832-02MS	TG-S01MS	BP025449.D	16 Aug 2025 07:26		CG/JU	Ok,M
30	Q2832-02MSD	TG-S01MSD	BP025450.D	16 Aug 2025 08:07		CG/JU	Ok,M
31	Q2832-04	TG-S02	BP025451.D	16 Aug 2025 08:48		CG/JU	Ok
32	Q2832-06	TG-S03	BP025452.D	16 Aug 2025 09:29		CG/JU	Ok
33	Q2832-08	TG-S04	BP025453.D	16 Aug 2025 10:11		CG/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081925

Review By	Rahul	Review On	8/20/2025 11:11:45 AM
Supervise By	Jagrut	Supervise On	8/20/2025 12:07:50 PM
SubDirectory	BP081925	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025469.D	19 Aug 2025 10:03		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025470.D	19 Aug 2025 10:44		CG/JU	Ok
3	PB169244BL	PB169244BL	BP025471.D	19 Aug 2025 11:25		CG/JU	Ok
4	PB169244BS	PB169244BS	BP025472.D	19 Aug 2025 12:06		CG/JU	Ok,M
5	PB169244BSD	PB169244BSD	BP025473.D	19 Aug 2025 12:47		CG/JU	Ok,M
6	Q2815-18	TW-84SB-W	BP025474.D	19 Aug 2025 13:29		CG/JU	Ok
7	Q2815-19	DUP	BP025475.D	19 Aug 2025 14:10		CG/JU	Ok
8	Q2815-20	TW-11M-W	BP025476.D	19 Aug 2025 14:51		CG/JU	Ok
9	Q2815-21	TW-11M-E	BP025477.D	19 Aug 2025 15:32		CG/JU	Ok
10	Q2815-22	TW-11M-S	BP025478.D	19 Aug 2025 16:13		CG/JU	Ok
11	Q2815-23	TW-11M-N	BP025479.D	19 Aug 2025 16:55		CG/JU	Ok
12	Q2815-26	FB	BP025480.D	19 Aug 2025 17:36		CG/JU	Ok
13	Q2820-19RE	88H-WRE	BP025481.D	19 Aug 2025 18:17	Surrogate fail,	CG/JU	Confirms
14	Q2820-20RE	88H-SRE	BP025482.D	19 Aug 2025 18:58	Surrogate fail.	CG/JU	Confirms
15	Q2815-13	TW-22M-E	BP025483.D	19 Aug 2025 19:39	Surrogates failed.	CG/JU	Ok
16	Q2815-14	TW-22M-N	BP025484.D	19 Aug 2025 20:21		CG/JU	Ok
17	SSTDCCC040	SSTDCCC040EC	BP025485.D	19 Aug 2025 21:43		CG/JU	Ok
18	DFTPP	DFTPP	BP025486.D	19 Aug 2025 23:05		CG/JU	Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP081925

Review By	Rahul	Review On	8/20/2025 11:11:45 AM		
Supervise By	Jagrut	Supervise On	8/20/2025 12:07:50 PM		
SubDirectory	BP081925	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13171,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	SSTDCCC040	SSTDCCC040	BP025487.D	19 Aug 2025 23:46		CG/JU	Ok,M
20	PB169242BL	PB169242BL	BP025488.D	20 Aug 2025 00:27		CG/JU	Ok
21	PB169242BS	PB169242BS	BP025489.D	20 Aug 2025 01:07		CG/JU	Ok
22	Q2870-04	DRILL CUTTING 6-9 C	BP025490.D	20 Aug 2025 01:48		CG/JU	Ok
23	Q2871-01	DRILL CUTTING 1-3 C	BP025491.D	20 Aug 2025 02:29		CG/JU	Ok
24	Q2870-01	DRILL CUTTING 1-5 C	BP025492.D	20 Aug 2025 03:10		CG/JU	Ok
25	Q2871-04	DRILL CUTTING 4-6 C	BP025493.D	20 Aug 2025 03:51		CG/JU	Ok
26	Q2871-07	DRILL CUTTING 1-5 C	BP025494.D	20 Aug 2025 04:32		CG/JU	Ok
27	Q2873-04	DRILL CUTTING 4-6 C	BP025495.D	20 Aug 2025 05:13		CG/JU	Ok
28	Q2825-01	TW1	BP025496.D	20 Aug 2025 05:54		CG/JU	Ok
29	Q2872-01	DRILL CUTTING 1-2 C	BP025497.D	20 Aug 2025 06:35		CG/JU	Ok
30	Q2815-17	TW-84SB-S	BP025498.D	20 Aug 2025 07:16		CG/JU	Ok
31	Q2815-16	TW-17M-S	BP025499.D	20 Aug 2025 07:57		CG/JU	Ok
32	Q2819-05	11M-W	BP025500.D	20 Aug 2025 08:38		CG/JU	Ok
33	Q2820-13	10P-W	BP025501.D	20 Aug 2025 09:19		CG/JU	Ok
34	SSTDCCC040	SSTDCCC040EC	BP025502.D	20 Aug 2025 10:41		CG/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM
Supervise By	Jagrut	Supervise On	8/21/2025 5:57:41 PM
SubDirectory	BP082025	HP Acquire Method	BNA_P
		HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025503.D	20 Aug 2025 11:24		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025504.D	20 Aug 2025 12:05		CG/JU	Ok,M
3	PB169259BL	PB169259BL	BP025505.D	20 Aug 2025 12:46	Analyzed for contamination check	CG/JU	Not Ok
4	Q2888-01	VNJ-210	BP025506.D	20 Aug 2025 13:30		CG/JU	Ok,M
5	Q2884-03	302	BP025507.D	20 Aug 2025 14:12		CG/JU	Ok
6	Q2884-01	VNJ-232	BP025508.D	20 Aug 2025 14:53		CG/JU	Ok
7	Q2865-02	ARS10-0047	BP025509.D	20 Aug 2025 15:34		CG/JU	Ok,M
8	Q2889-01	PL-02-081525	BP025510.D	20 Aug 2025 16:15		CG/JU	Ok,M
9	DFTPP	DFTPP	BP025511.D	20 Aug 2025 17:04		CG/JU	Ok
10	SSTDCCC040	SSTDCCC040	BP025512.D	20 Aug 2025 18:27		CG/JU	Ok
11	PB169259BL	PB169259BL	BP025513.D	20 Aug 2025 19:08		CG/JU	Ok
12	PB169259BS	PB169259BS	BP025514.D	20 Aug 2025 19:49		CG/JU	Ok
13	Q2819-03	22BP-W	BP025515.D	20 Aug 2025 20:30		CG/JU	Ok
14	Q2819-03MS	22BP-WMS	BP025516.D	20 Aug 2025 21:11		CG/JU	Ok,M
15	Q2819-03MSD	22BP-WMSD	BP025517.D	20 Aug 2025 21:52		CG/JU	Ok,M
16	Q2819-09	84SB-E	BP025518.D	20 Aug 2025 22:32		CG/JU	Ok
17	Q2819-17	38M-N	BP025519.D	20 Aug 2025 23:13		CG/JU	Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	Jagrut	Supervise On	8/21/2025 5:57:41 PM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13171,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q2819-17MS	38M-NMS	BP025520.D	20 Aug 2025 23:54		CG/JU	Ok,M
19	Q2819-17MSD	38M-NMSD	BP025521.D	21 Aug 2025 00:35		CG/JU	Ok,M
20	Q2814-18RE	TW-518R-NRE	BP025522.D	21 Aug 2025 01:15	Surrogate Fail	CG/JU	Confirms
21	Q2820-23	22M-E	BP025523.D	21 Aug 2025 01:56		CG/JU	Ok
22	Q2819-02	22BP-E	BP025524.D	21 Aug 2025 02:37		CG/JU	Ok
23	Q2815-10	TW-88H-S	BP025525.D	21 Aug 2025 03:18		CG/JU	Ok
24	SSTDCCC040	SSTDCCC040EC	BP025526.D	21 Aug 2025 03:59		CG/JU	Ok
25	DFTPP	DFTPP	BP025527.D	21 Aug 2025 06:01		CG/JU	Ok
26	SSTDCCC040	SSTDCCC040	BP025528.D	21 Aug 2025 06:42		CG/JU	Ok
27	PB169285BL	PB169285BL	BP025529.D	21 Aug 2025 07:23		CG/JU	Ok
28	PB169285BS	PB169285BS	BP025530.D	21 Aug 2025 08:03		CG/JU	Ok,M
29	Q2873-01	DRILL CUTTING 1-3 C	BP025531.D	21 Aug 2025 08:44		CG/JU	Ok
30	Q2873-01MS	DRILL CUTTING 1-3 C	BP025532.D	21 Aug 2025 09:25		CG/JU	Ok,M
31	Q2873-01MSD	DRILL CUTTING 1-3 C	BP025533.D	21 Aug 2025 10:06		CG/JU	Ok,M
32	Q2819-10	84SB-S	BP025534.D	21 Aug 2025 10:50	Surrogate Fail	CG/JU	ReRun
33	Q2819-11	84SB-W	BP025535.D	21 Aug 2025 11:31	Surrogate Fail	CG/JU	ReRun
34	Q2819-12	17M-S	BP025536.D	21 Aug 2025 12:12		CG/JU	Ok
35	Q2832-09	TG-S05	BP025537.D	21 Aug 2025 12:53		CG/JU	Ok
36	Q2897-01	HD-02-08182025	BP025538.D	21 Aug 2025 13:34		CG/JU	Ok,NR

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	Jagrut	Supervise On	8/21/2025 5:57:41 PM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S13171,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

37	Q2819-04	22BP-S	BP025539.D	21 Aug 2025 14:15	Surrogate Fail	CG/JU	ReRun
38	Q2819-16	38M-S	BP025540.D	21 Aug 2025 14:56		CG/JU	Ok
39	Q2820-15	10P-S	BP025541.D	21 Aug 2025 15:37		CG/JU	Ok
40	SSTDCCC040	SSTDCCC040EC	BP025542.D	21 Aug 2025 17:11		CG/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Extraction Start Date : 08/12/2025

Matrix : Water

Extraction Start Time : 11:39

Weigh By: N/A

Extraction By: RS

Extraction End Date : 08/12/2025

Balance check: N/A

Filter By: RJ

Extraction End Time : 16:45

Balance ID: N/A

pH Meter ID: N/A

Concentration By: RS

pH Strip Lot#: E3880

Hood ID: 4,5,6,7

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3954
Baked Na2SO4	N/A	EP2632
H2SO4 1:1	N/A	EP2610
10N NaOH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH , 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

Envap ID: NE VAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/12/25	RS (Ext Lab)	RS/SVOC
16:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 08/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169230BL	SBLK230	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB169230BS	SLCS230	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB169230BS D	SLCSD230	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2815-01	TW-705R-S	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	C	Muddy	4
Q2815-02	TW-10PC-W	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		5
Q2815-03	TW-10P-E	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		6
Q2815-04	TW-10P-S	SVOC-TCL BNA -20	980	6	RUPESH	ritesh	1	C		7
Q2815-05	TW-10P-W	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	C		8
Q2815-06	TW-10P-N	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		9
Q2815-07	TW-88H-E	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	10
Q2815-08	TW-88H-N	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	11
Q2815-09	TW-88H-W	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	C		12
Q2815-10	TW-88H-S	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		13
Q2815-11	TW-22M-W	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	14
Q2815-12	TW-22M-S	SVOC-TCL BNA -20	980	6	RUPESH	ritesh	1	C	Muddy	15
Q2815-13	TW-22M-E	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	16
Q2815-14	TW-22M-N	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C	Muddy	SEP-1
Q2815-15	TW-17M-E	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	C	Muddy	2
Q2825-01	TW1	SVOCMS Group2	940	6	RUPESH	ritesh	1	C		3
Q2837-01	TW-WTS-13	SVOCMS Group4	980	12	RUPESH	ritesh	1	F		4

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2825 WorkList ID : 191245 Department : Extraction Date : 08-12-2025 10:33:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2815-01	TW-705R-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2815-02	TW-10PC-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2815-03	TW-10P-E	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2815-04	TW-10P-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2815-05	TW-10P-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2815-06	TW-10P-N	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/06/2025	8270E
Q2815-07	TW-88H-E	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/07/2025	8270E
Q2815-08	TW-88H-N	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/07/2025	8270E
Q2815-09	TW-88H-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/07/2025	8270E
Q2815-10	TW-88H-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/07/2025	8270E
Q2815-11	TW-22M-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-12	TW-22M-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-13	TW-22M-E	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-14	TW-22M-N	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-15	TW-17M-E	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2825-01	TW1	Water	SVOCMS Group2	Cool 4 deg C	GENV01	D31	08/10/2025	8270E
Q2837-01	TW-WTS-13	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	J23	08/12/2025	8270E

Date/Time 8/12/25 11:35
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: RS

Date/Time 8/12/25 12:15
Raw Sample Received by: RS
Raw Sample Relinquished by: RS (Ext Lab)

SOP ID:	M3510C,3580A-Extraction SVOC-21		
Clean Up SOP #:	N/A	Extraction Start Date :	08/14/2025
Matrix :	Water	Extraction Start Time :	09:15
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Filter By:	RJ
Balance ID:	N/A	pH Meter ID:	N/A
pH Strip Lot#:	E3880	Hood ID:	4,5,6,7
Extraction Method:	☒ Separatory Funnel	☐ Continuous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☐ Soxhlet
		Extraction End Date :	08/14/2025
		Extraction End Time :	14:15
		Concentration By:	RS
		Supervisor By :	RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3954
Baked Na2SO4	N/A	EP2632
H2SO4 1:1	N/A	EP2610
10N NaOH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH , 1.5ML Vial Lot # 2210443.

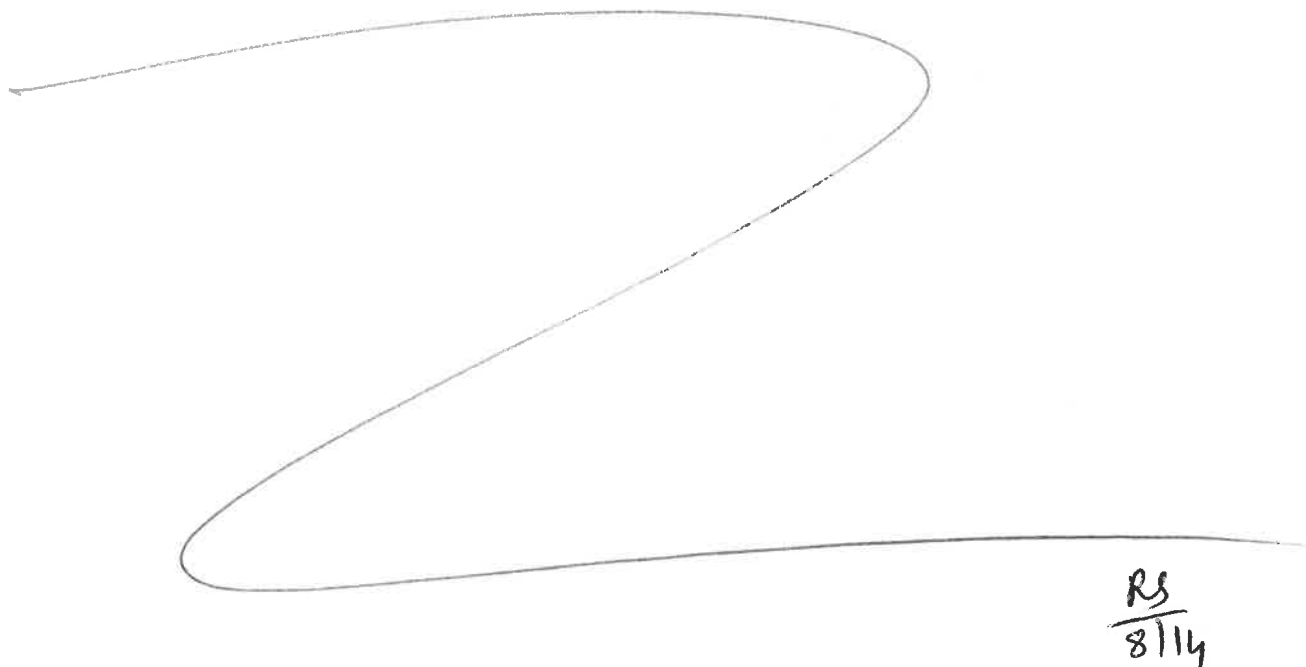
KD Bath ID:	WATER BATH-1,2	Envap ID:	NE VAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/14/25	RS (Ext Lab)	RCLSVOC
14:20	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 08/14/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169244BL	SBLK244	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1			SEP-1
PB169244BS	SLCS244	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1			2
PB169244BS D	SLCSD244	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1			3
Q2815-16	TW-17M-S	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1	C	Muddy	4
Q2815-17	TW-84SB-S	SVOC-TCL BNA -20	990	6	RUPESEH	ritesh	1	C		5
Q2815-18	TW-84SB-W	SVOC-TCL BNA -20	940	6	RUPESEH	ritesh	1	C		6
Q2815-19	DUP	SVOC-TCL BNA -20	980	6	RUPESEH	ritesh	1	C		7
Q2815-20	TW-11M-W	SVOC-TCL BNA -20	990	6	RUPESEH	ritesh	1	E		8
Q2815-21	TW-11M-E	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1	C		9
Q2815-22	TW-11M-S	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1	C		10
Q2815-23	TW-11M-N	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1	C		11
Q2815-26	FB	SVOC-TCL BNA -20	980	6	RUPESEH	ritesh	1	F		12
Q2864-01	LAW-25-122-126	SVOC-TCL BNA -20	1000	6	RUPESEH	ritesh	1	D		13
Q2864-03	LAW-25-113-121	SVOC-TCL BNA -20	990	6	RUPESEH	ritesh	1	D		14



* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2815 WorkList ID : 191268 Department : Extraction Date : 08-14-2025 08:47:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2815-16	TW-17M-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-17	TW-84SB-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-18	TW-84SB-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-19	DUP	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-20	TW-11M-W	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-21	TW-11M-E	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-22	TW-11M-S	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-23	TW-11M-N	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2815-26	FB	Water	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D41	08/08/2025	8270E
Q2864-01	LAW-25-122-126	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J21	08/13/2025	8270E
Q2864-03	LAW-25-113-121	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J21	08/13/2025	8270E

Date/Time 8/14/25 9:10
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: RS (Ext Lab)

Date/Time 8/14/25 10:00
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: RS (Ext Lab)

Prep Standard - Chemical Standard Summary

Order ID : Q2815

Test : SVOC-TCL BNA -20

Prepbatch ID : PB169230,PB169244,

Sequence ID/Qc Batch ID: bf081425,BF081825,BF082025,BF082125,BP081525,bp081825,BP081925,BP081925,BP082025,

Standard ID :

EP2609,EP2610,EP2632,SP6757,SP6769,SP6770,SP6832,SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840,SP6849,SP6852,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,

Chemical ID :

10ul/1000ul

sample,E3657,E3875,E3904,E3926,E3932,E3942,E3946,E3954,M6157,S10105,S11484,S11496,S11651,S11788,S11801,S11802,S11805,S11806,S11807,S12115,S12195,S12196,S12197,S12198,S12216,S12217,S12218,S12219,S12220,S12245,S12272,S12277,S12278,S12306,S12307,S12486,S12499,S12500,S12501,S12502,S12503,S12504,S12505,S12506,S12507,S12534,S12545,S12546,S12547,S12548,S12549,S12550,S12551,S12552,S12577,S12658,S12670,S12739,S12776,S12974,S12987,S12988,S12989,S12990,S12991,S12992,S13057,S13078,S13088,S13089,S13148,S13158,S13159,S13170,S13171,S13206,S13207,S13208,S13209,S13210,S13211,S13214,S13233,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2	None	Riteshkumar Patel

(EX-SC-2)

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2	None	Riteshkumar Patel

(EX-SC-2)

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/11/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
18	Second Source Calibration Stock Standard, 100 PPM,	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani
(8270/825/CLP) FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani
FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml								

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4178	8270/625.1 Stock Solution-2 100 ng	SP6832	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.20000ml of S13211 + 0.26700ml of S10105 + 0.40000ml of S11496 + 0.40000ml of S12278 + 0.50000ml of S12115 + 0.50000ml of S13209 + 0.50000ml of S13210 + 0.60000ml of S12277 + 1.00000ml of S12272 + 1.00000ml of S13057 + 1.00000ml of S13078 + 1.00000ml of S13208 + 2.63300ml of E3942 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4179	80 ng BNA ICC	SP6833	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.20000ml of E3942 + 0.80000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4180	60 ng BNA ICC	SP6834	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.40000ml of E3942 + 0.60000ml of SP6832 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4181	50 ng BNA ICC	SP6835	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4182	40 ng BNA ICC	SP6836	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.60000ml of E3942 + 0.40000ml of SP6832 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4183	20 ng BNA ICC	SP6837	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.80000ml of E3942 + 0.20000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4184	10 ng BNA ICC	SP6838	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.90000ml of E3942 + 0.10000ml of SP6832 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4185	5 ng BNA ICC	SP6839	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.95000ml of E3942 + 0.05000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4186	2.5 ng BNA ICC	SP6840	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6839 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
171	8270/625 Spike Solution, 50/100 PPM	SP6849	07/01/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay
								07/01/2025

FROM 0.10000ml of S12507 + 0.10000ml of S13159 + 0.30000ml of S13158 + 0.40000ml of S11484 + 0.40000ml of S11651 + 0.40000ml of S11806 + 0.40000ml of S11807 + 0.40000ml of S13148 + 0.40000ml of S13206 + 0.60000ml of S13089 + 0.80000ml of S12499 + 0.90000ml of S12552 + 1.20000ml of S12504 + 1.20000ml of S12506 + 1.20000ml of S12546 + 1.30000ml of S11802 + 1.30000ml of S12501 + 1.30000ml of S12503 + 1.30000ml of S12505 + 1.30000ml of S12545 + 1.30000ml of S12547 + 1.30000ml of S12549 + 1.30000ml of S12550 + 1.30000ml of S12551 + 1.30000ml of S12988 + 1.30000ml of S12989 + 1.30000ml of S12990 + 1.30000ml of S12992 + 1.40000ml of S11805 + 1.40000ml of S12500 + 1.40000ml of S12502 + 1.40000ml of S12548 + 1.40000ml of S12987 + 1.40000ml of S12991 + 1.40000ml of S13088 + 1.50000ml of S11801 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6852	07/02/2025	09/18/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/02/2025

FROM 1.50000ml of S12220 + 2.00000ml of S12195 + 2.00000ml of S12197 + 2.00000ml of S12216 + 5.50000ml of S12196 + 5.50000ml of S12198 + 5.50000ml of S12217 + 5.50000ml of S12218 + 5.50000ml of S12219 + 965.00000ml of E3946 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
08/22/2025								

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
08/22/2025								

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed
								08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = Final Quantity: 1.010 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3942

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	07/01/2025 / RUPESH	06/19/2025 / RUPESH	E3946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	12/19/2025	06/19/2025 / Jagrut	12/09/2021 / Christian	S10105

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/01/2026	07/01/2025 / Rahul	11/09/2023 / Yogesh	S11651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11806

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12198

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12217

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12218

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12219

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	12/03/2025	06/03/2025 / Jagrut	05/24/2024 / Rahul	S12272

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	12/19/2025	06/19/2025 / Jagrut	05/24/2024 / Rahul	S12278

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12499

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12500

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12501

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12502

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12503

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12504

[CS 4978-1]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12505

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12506

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12545

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12546

[CS 4978-2]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12547

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12548

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12549

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12550

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12551

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

[CS 4978-2]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH ₂ Cl ₂ , 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	12/16/2025	06/16/2025 / anahy	09/20/2024 / anahy	S12670

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/12/2026	08/12/2025 / Jagrut	10/08/2024 / anahy	S12739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12987

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12988

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12989

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12990

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12991

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12992

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	531243	12/19/2025	06/19/2025 / Jagrut	01/16/2025 / anahy	S13057

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13088

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	12/03/2025	06/03/2025 / Jagrut	11/13/2023 / Rahul	S13148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	12/04/2025	06/04/2025 / Jagrut	06/04/2025 / Rahul	S13158

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	01/01/2026	07/01/2025 / Rahul	06/04/2025 / Rahul	S13159

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0224359	03/31/2031	/	06/02/2025 / anahy	S13171

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	01/01/2026	07/01/2025 / Rahul	06/11/2025 / anahy	S13206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70434 / Acetophenone, Single compound solution, 1000 PPM	121622	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13208

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91126 / Benzoic acid 2000 ug/mL	060625	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90495 / 1,1-Biphenyl 2000 ug/mL	042325	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13210

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	34571 / 1,2,4,5-Tetrachlorobenzene 5000 ug/mL	092324	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL
-04					

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d ₄	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d ₆	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on

02/25/21

by
CG

S9236
to

S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certified By: _____

Erica Castiglione
Chemist



Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

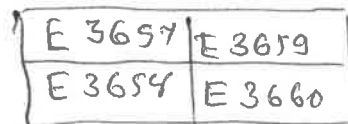
This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.





**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titration Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

J. Croak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3942

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RS 6/19/25

E3946

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	<0.01%

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS
7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



MG157
MS

Material No.: 9673-33

Batch No.: 24I1262013

Manufactured Date: 2024-08-07

Retest Date: 2029-08-06

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO ₂)	<= 2 ppm	<2 ppm
Ammonium (NH ₄)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO ₃)	<= 0.2 ppm	0.1 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantors**™



Material No.: 9673-33

Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	1.1 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 1.0 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak

Director Quality Operations, Bioscience Production



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard
Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

51148h
↓
511493
Y.P.
08/10/28

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckal - Mix Technician

Date Mixed: 02-Aug-2023

Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d ₄	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 } Y.P.
↓
511498 } 08/11/2023

*Not a certified value

Certified By: Shane C. Tipton
Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649
↓
511658 } Y.P.
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023

Balance: B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

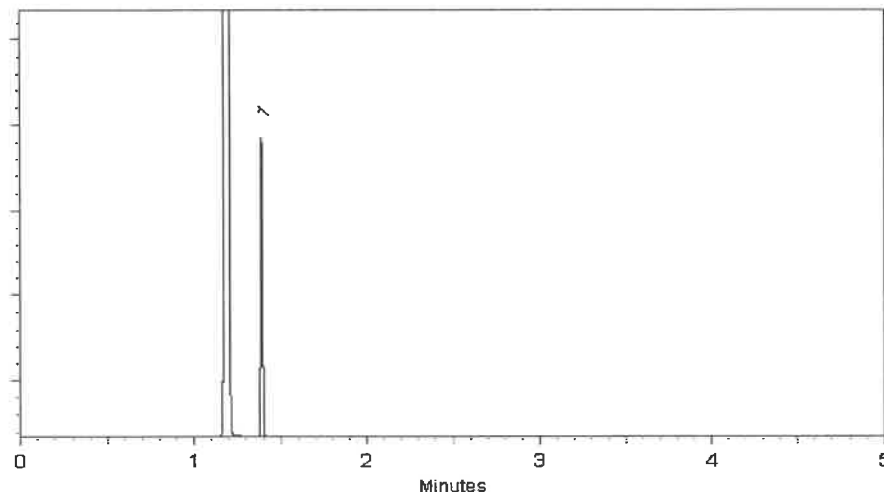
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11795
↓
S11808 } RC /
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

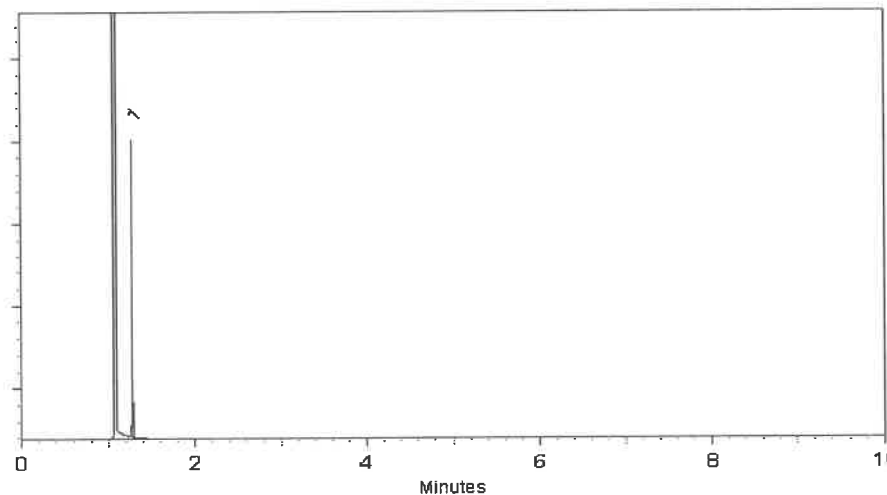
FID

Split Vent:

100 mL/min.

Inj. Vol

1µL



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Date Received: _____

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Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

512112 } RC/
↓
912116 } 03/08/24

*Not a certified value

Certified By: _____

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓
512206 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

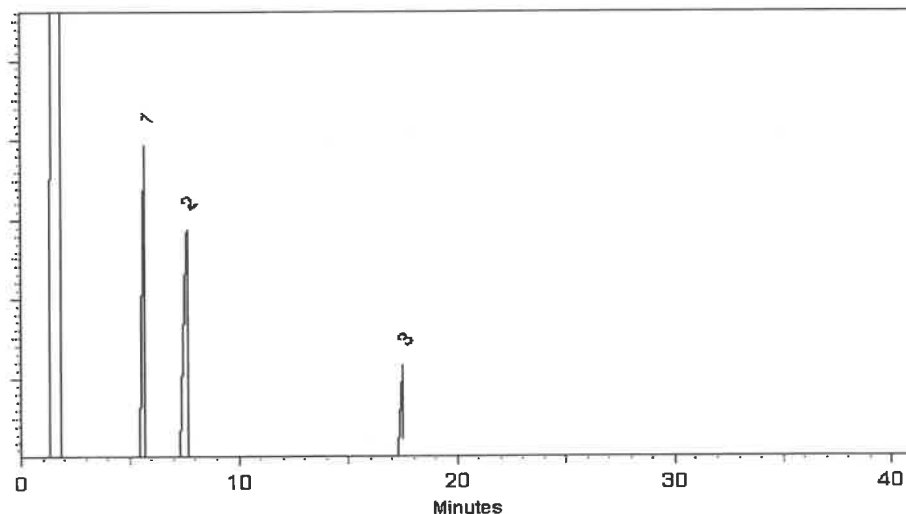
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope A. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Fax: 1-814-353-1309

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Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

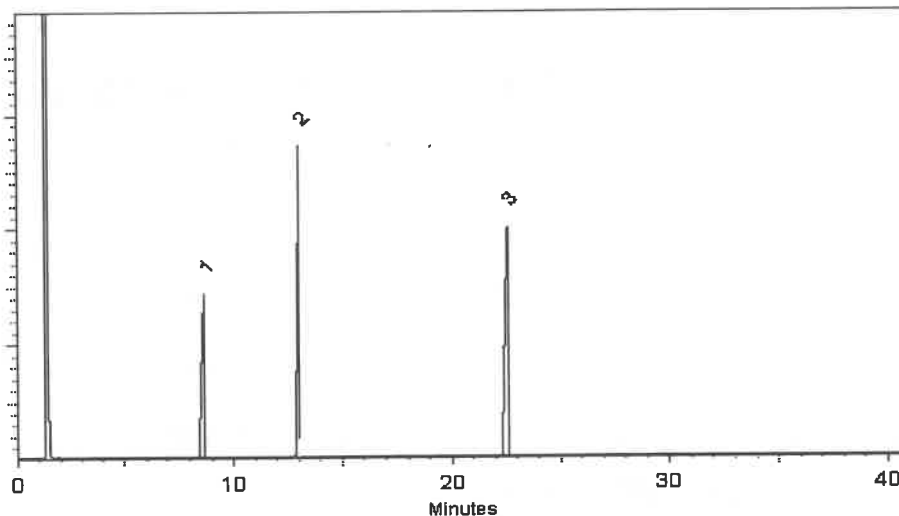
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 30409 **Lot No.:** A0206650
Description : Pyridine Standard
Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : October 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

512242 } RC/
↓
512254 } 5/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

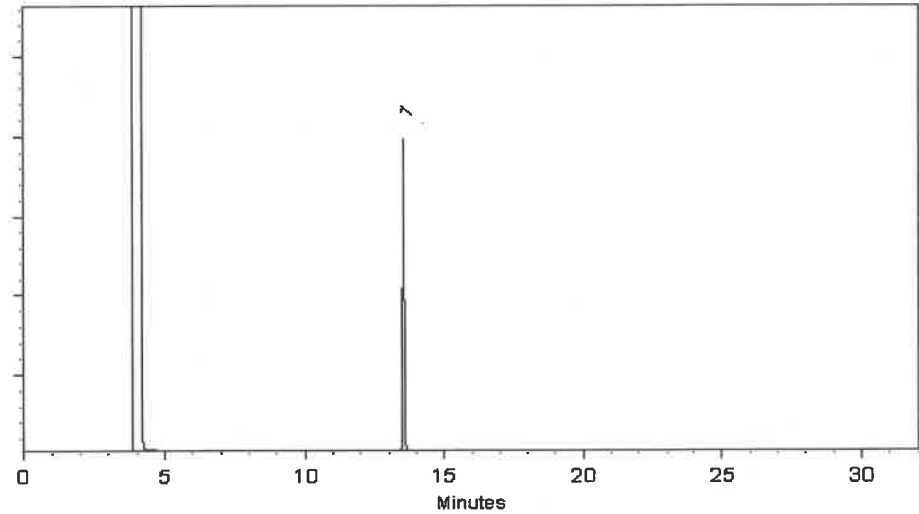
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Date Received: _____

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Rev 0

Page 1 of 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

*Not a certified value

512270 } RC/
↓
512274 } 05/24/24

Kerry Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.

Certificate of Analysis

Page 2 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Kerry Kane

Certified By:

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 3 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Kerry Kane

Certified By:

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value



Certified By:

Kerry Kane
Chemist

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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

512275 } RC/
↓
512279 } 05/24/24

*Not a certified value

Certified By: _____

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL
Compound		CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde		100-52-7	98.3	442.421.1P	996.8 ± 11.49

512275 } RC/
↓
512279 } 05/24/24

*Not a certified value

Certified By: _____

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

512302 } RC/
↓
512311 } 5/30/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

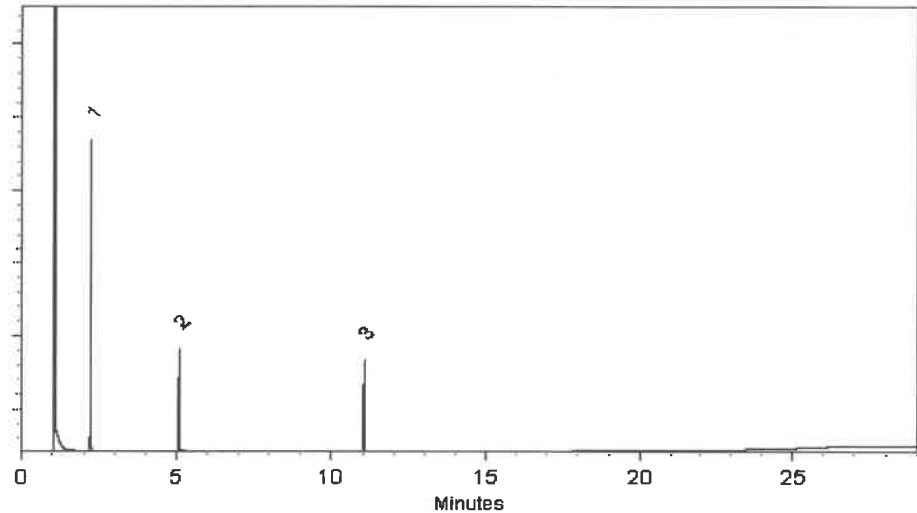
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024

Balance Serial # B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
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gravimetric



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24


Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955
Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2027 **Storage:** 10°C or colder
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577
↓
S12579 } RC
8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

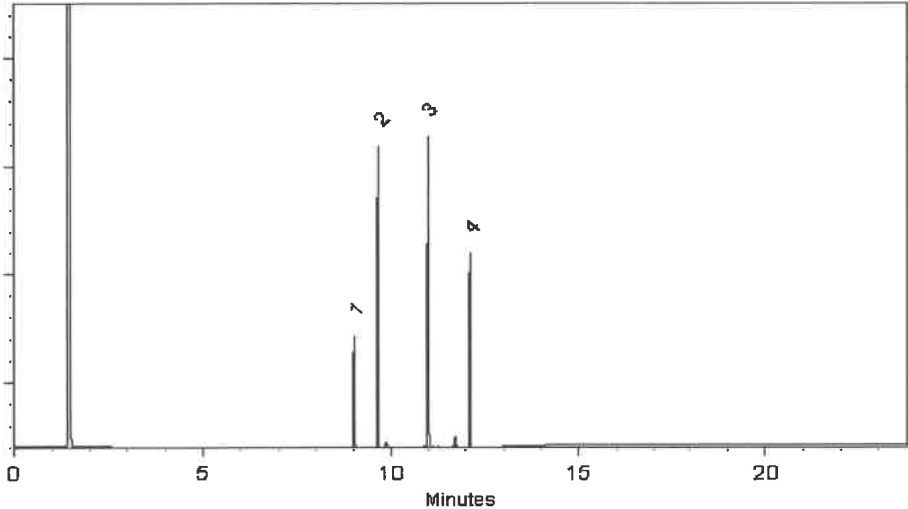
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

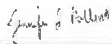
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645
↓
S12674
AC
10/1/24



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix
OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12736 } AC
↓
S12754 } 10/9/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/-	19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/-	19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/-	19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/-	19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/-	19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/-	19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/-	19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/-	19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/-	19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/-	19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/-	18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/-	19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/-	19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/-	19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/-	19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/-	19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/-	19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/-	18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/-	19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/-	19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/-	19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/-	19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/-	19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/-	19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/-	19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/-	19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/-	19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/-	19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/-	19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/-	19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/-	19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/-	19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/-	19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/-	19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/-	19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



CERTIFIED WEIGHT REPORT

Part Number: **90494**
Lot Number: **061323**
Description: **1-Methylnaphthalene**

Solvent(s): **Lot#**
Methylene chloride **C21F09CAS0000DCM**

Expiration Date: **061328**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **2000**
NIST Test ID#: **6UTB**

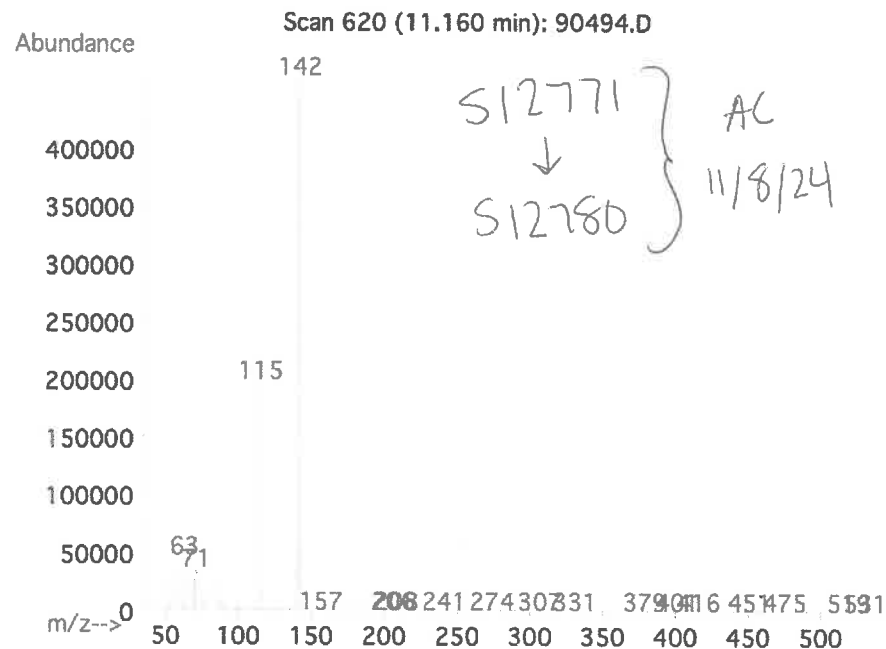
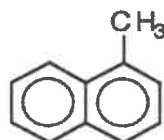
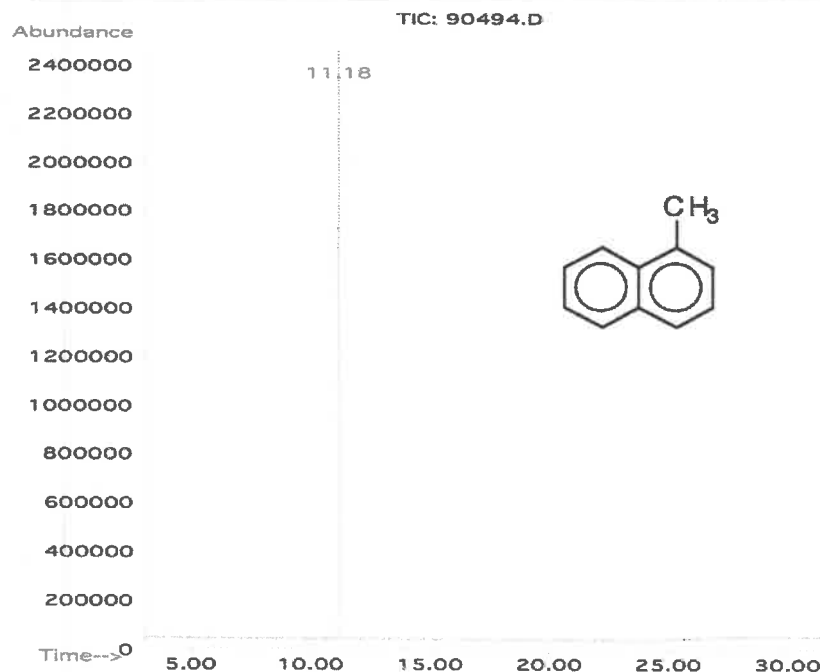
Weight(s) shown below were combined and diluted to (mL): **100.0**

5E-05 Balance Uncertainty
0.031 Flask Uncertainty

<i>Prashant Chauhan</i>		061323
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		061323
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	ori-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
↓
S12992 } AC
12/17/20

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard
Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder
Ship: Ambient

513158 } RC/
↓
513167 } 6/4/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025

Balance: C322230531

REVIEWED
By: [Signature] Murphy at 11:21 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13168
↓
S13197 } AC
6/9/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

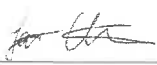
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

S13198
↓
S13207 } AC
6/11/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%


Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025

Balance: 1122030677



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **70434**
Lot Number: **121622**
Description: **Acetophenone**

Solvent(s): **Lot#**
Methylene chloride **C21F09CAS0000DCM**

Expiration Date: **121627**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **8UTB**

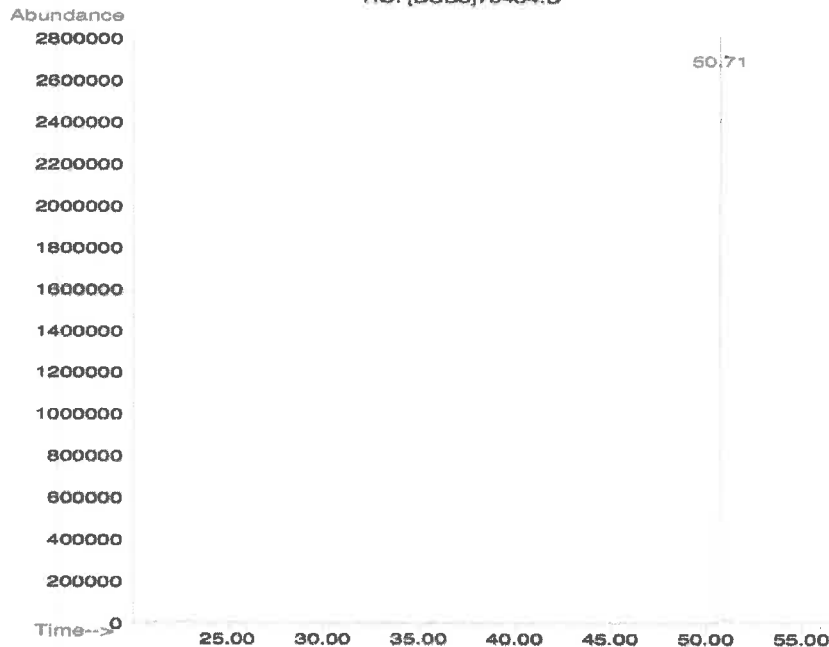
Weight(s) shown below were combined and diluted to (mL): **50.0** **5E-05** Balance Uncertainty
0.001 Flask Uncertainty

		121622
Formulated By:	Benson Chan	DATE
		121622
Reviewed By:	Pedro L. Rentas	DATE

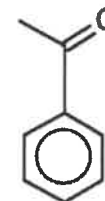
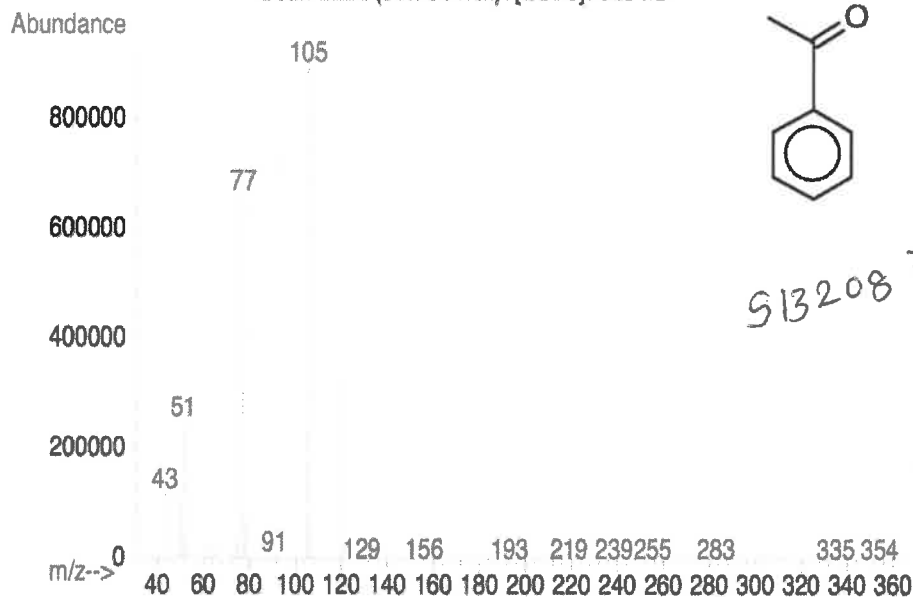
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acetophenone	434	04511JX	1000	99	0.2	0.05055	0.05075	1004.0	4.5	98-86-2	N/A	ori-rat 815mg/kg

Method: GC6MSD-1. Detector: MSD. Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Candice Warren. Solvent delay = 25 minutes.

TIC: [BSB3]70434.D



Scan 2222 (50.704 min): [BSB3]70434.D



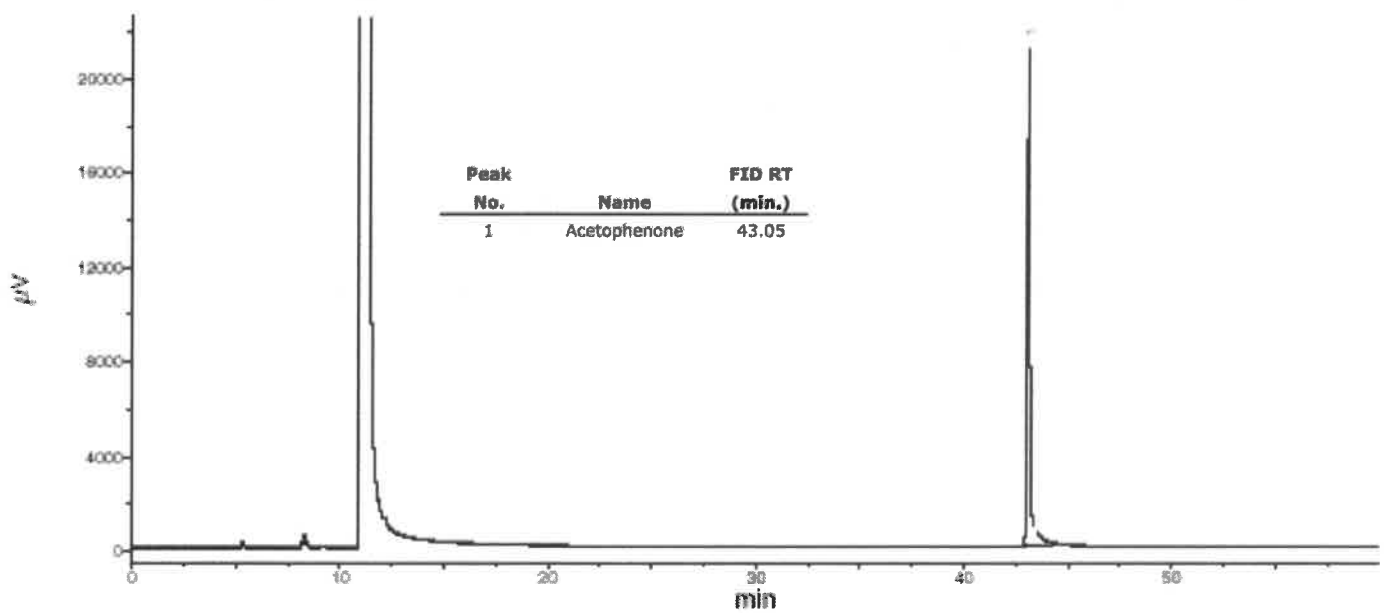
5132083 Rel
6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Comments

GC13-M1 Analysis by Melissa Stonier
Column ID SPB-Vocool 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: **91126**
Lot Number: **060625**
Description: **Benzoic acid**

Solvent(s):
Methylene chloride
Lot#
23343

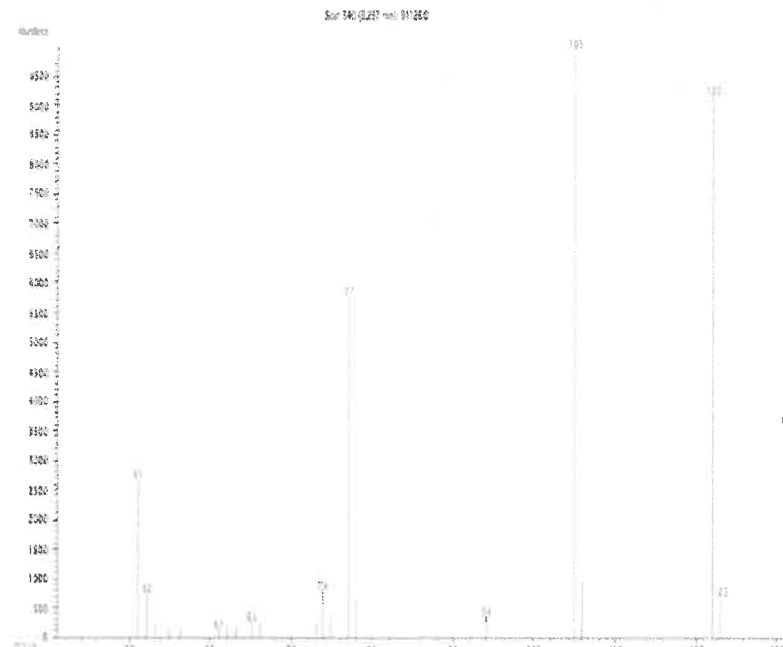
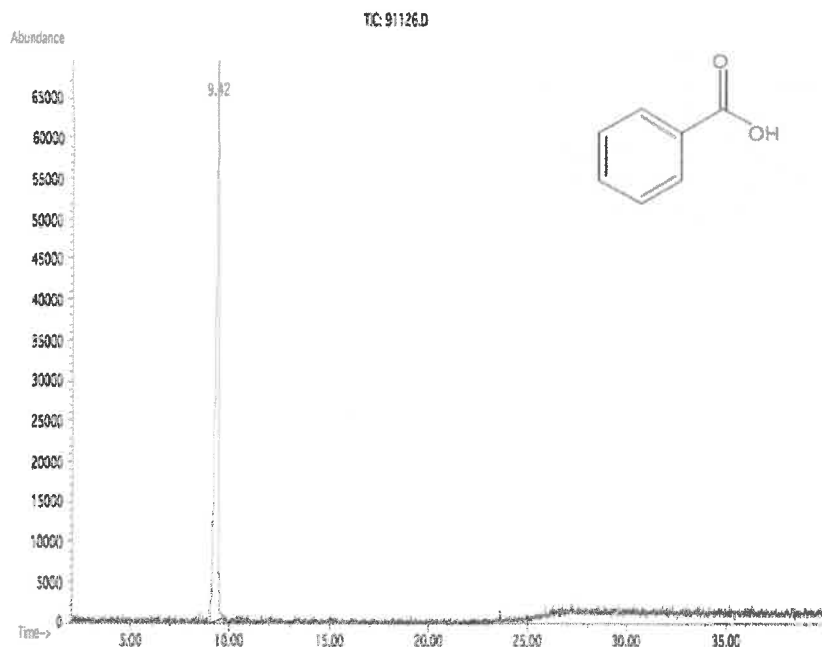
Expiration Date: **060630**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **2000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **100.0**
5E-05 Balance Uncertainty
0.031 Flask Uncertainty

<i>Anthony Mahoney</i>		060625
Formulated By:	Anthony Mahoney	DATE
<i>Pedro L. Rentas</i>		060625
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Benzoic acid	34	11930AW	2000.0	99	0.2	0.20211	0.20227	2001.6	8.2	65-85-0	N/A	ori-rat 1700mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C. Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.



513209 } RC
6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 - Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
 - Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 - All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 - Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025



CERTIFIED WEIGHT REPORT

Part Number: **34571**
Lot Number: **092324**
Description: **1,2,4,5-Tetrachlorobenzene**

Solvent(s):
Methanol
Lot#: **EI863-US**

Expiration Date: **092334**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **5000**
NIST Test ID#: **6UTB**

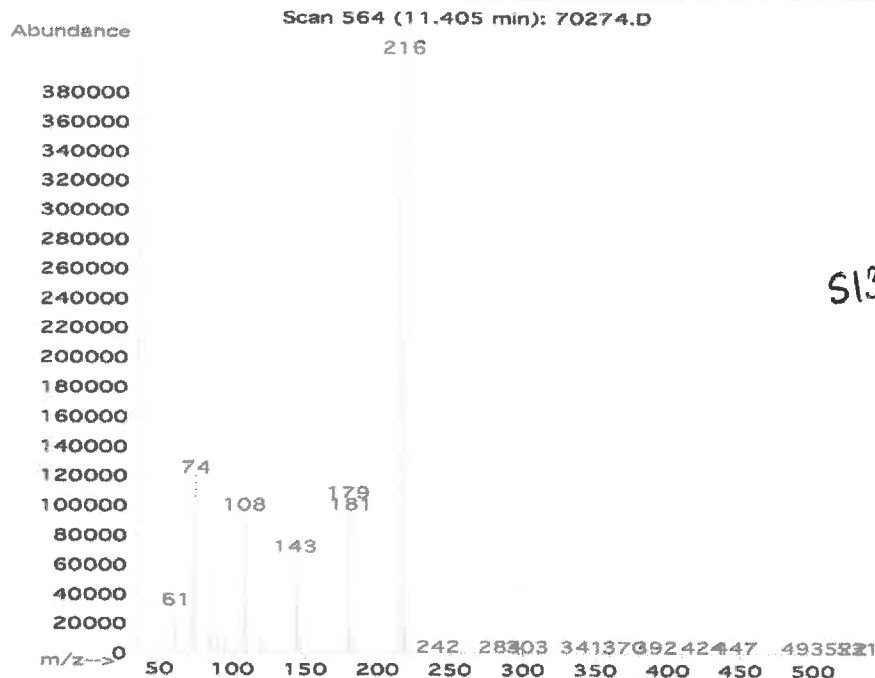
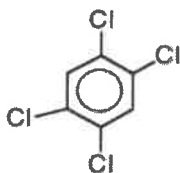
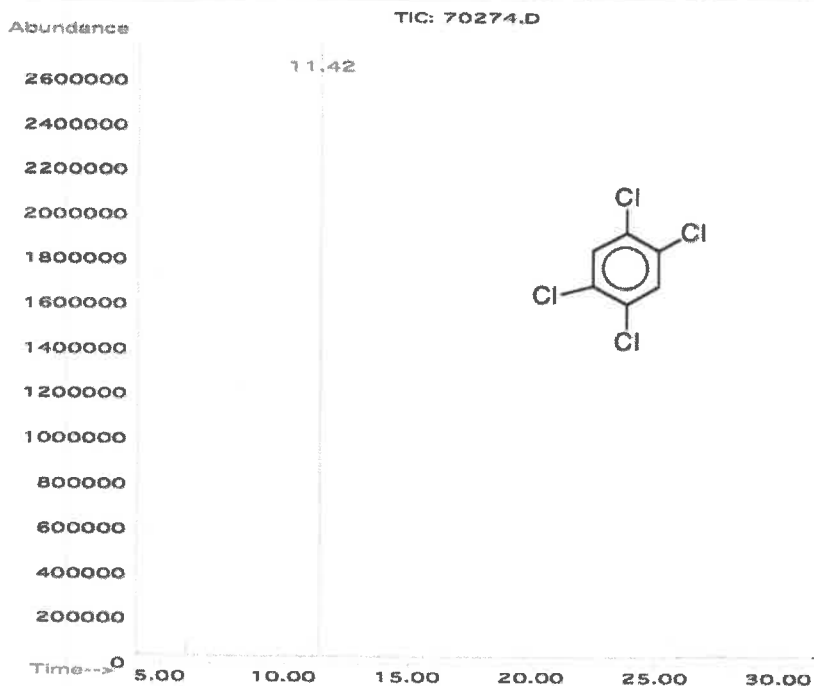
Weight(s) shown below were combined and diluted to (mL): **25.0**
5E-05 Balance Uncertainty
0.004 Flask Uncertainty

CAUTION: Sonicate Before Use

		092324
Formulated By:	Lawrence Barry	DATE
		092324
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 1,2,4,5-Tetrachlorobenzene	274	10408AS	5000	98	0.20	0.12761	0.12765	5001.4	20.8	95-94-3	N/A	orl-rat 1500mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

5132113 RC
6/19/25.

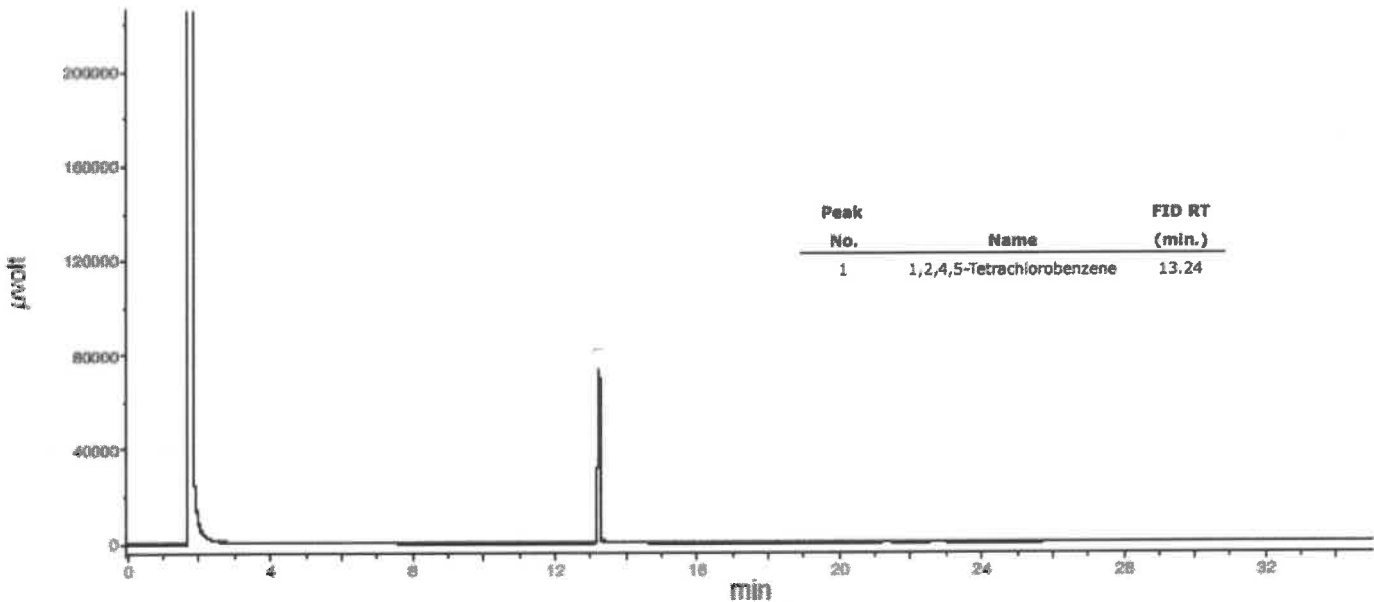


Run 31, “P34571 L092324 [5000µg/mL in MeOH]”

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Fri, Jan 3, 2025 at 11:24:40 AM.
Sampled: Sequence “010225-GC4M1”, Method “GC4-M1”.
Analyzed using Method “GC4-M1”.

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness
Flow rates: Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 7





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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix
Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 } AC
↓
S13218 } 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 582978 **Lot No.:** A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

513229 } RC/
↓
513238 } 8/1/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

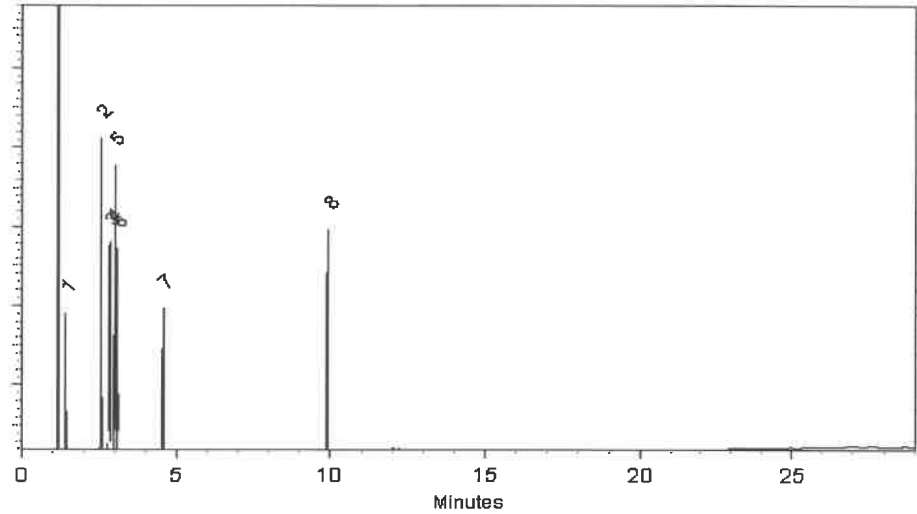
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres
Wilner Torres - Operation Tech I

Date Mixed: 27-Jul-2025

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 30-Jul-2025

REVIEWED
By: [Signature] Murphy at 10:51 pm, Jul 30, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702
Description : Custom Hexachlorocyclopentadiene Standard
Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : September 30, 2026 **Storage:** 10°C or colder
Ship: Ambient

513148
↓
513157
RC
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



SHIPPING DOCUMENTS

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CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: _____
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1 2 3 4 5 6 7 8 9
VOC SVOC Metals

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TW-705R-S	GW		4	8/6/20	11:21	3	2	1								
2.	TW-705R-S																
3.	TW-10PC-W	GW		4	8/6/20	01:30	3	2	1								
4.	TW-10P-E	GW		4	8/6/20	01:40	3	2	1								
5.	TW-10P-S	GW		4	8/6/20	01:50	3	2	1								
6.	TW-10P-W	GW		4	8/6/20	2:00	3	2	1								
7.	TW-10P-N	GW		4	8/6/20	2:10	3	2	1								
8.	TW-88H-E	GW		4	8/7/20	8:35	3	2	1								
9.	TW-88H-N	GW		4	8/7/20	8:45	3	2	1								
10.	TW-88H-W	GW		4	8/7/20	11:10	3	2	1								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <i>GMC</i>	DATE/TIME: 6:10	RECEIVED BY: 1. <i>K. J. 8.8.25</i>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>3.5°C</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY:
ADDRESS:
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. 2. 3. 4. 5. 6. 7. 8. 9.
Joe 500 Metals

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	TW-88H-S	GW		4	8/23	11:10	3	2	1									
2.	TW-22M-W	GW		4	8/25	11:10	3	2	1	3								
3.	TW-22M-S	GW		4	8/25	11:23	3	2	1									
4.	TW-22M-E	GW		4	8/25	11:33	3	2	1									
5.	TW-22M-N	GW		4	8/25	11:43	3	2	1									
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. GME	DATE/TIME: 6:01	RECEIVED BY: 1. [Signature] 8.8.25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.5°C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete
☐ YES ☐ NO

From: Yazmeen Gomez
Sent: Monday, August 11, 2025 2:55 PM
To: 'Daniel Ligon'
Cc: 'Alfred Smith'; Jordan Hedvat
Subject: RE: Bottleware Order - USACE018-44
Attachments: q2815.pdf; q2814.pdf

Good afternoon,

A few things -

- Below mentions Filtered and Unfiltered for 8 GW samples, however, we only received three unpreserved metals bottles - TW-84SB-E, TW-17M-W, and TW-11M-W.
- 8 samples not listed on the COC were received – TW-17M-E, TW-17M-S, TW-84SB-S, TW-84SB-W, TW-11M-W, TW-11M-E, TW-11M-S, TW-11M-N.
- PCB and PESTICIDE are not mentioned the GW COC's however, I went off the below request and do have PEST and PCB logged for some of the samples.
- Once I sign off the login summaries will be sent to you – please confirm everything looks good, or if anything needs to be updated.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com    

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Friday, August 1, 2025 11:03 AM
To: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>; Daniel Ligon <DLigon@firstenvironment.com>
Cc: Alfred Smith <asmith@firstenvironment.com>
Subject: RE: Bottleware Order - USACE018-44

Hi Daniel,

Bottle order delivery for today confirmed.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com   

From: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Sent: Friday, August 1, 2025 8:14 AM
To: Daniel Ligon <DLigon@firstenvironment.com>
Cc: Alfred Smith <asmith@firstenvironment.com>; Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: Re: Bottleware Order - USACE018-44

Hi Daniel,

We will process the bottle order for delivery. Do you need TeraCore or Encores for VOC soil? If not we will provide jars for those tests as well. Please reach out if we can help with anything else.

Regards,

Jordan

Jordan Hedvat
Account Executive, Environmental Laboratories
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Daniel Ligon <DLigon@firstenvironment.com>
Sent: Thursday, July 31, 2025 4:53 PM
To: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Cc: Alfred Smith <asmith@firstenvironment.com>
Subject: Bottleware Order - USACE018-44

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hi Jordan – I have a bottleware order for some sampling we have next week in Long Island, NY. We'd like to have this delivered tomorrow if possible – sorry for the late email. First thing Monday morning would work as well for delivery to our office in Butler. See the following for # of samples we need with the parameters:

- 48x soil VOCs via EPA Method 8260
- 48x soil SVOCs via EPA Method 8270

- 8x soil Pesticides/PCBs via EPA Methods 8081/8082
- 8x soil TAL Metals (filtered and unfiltered)
- 48x groundwater VOCs via EPA Method 8260
- 48x groundwater SVOCs via EPA Method 8270
- 8x groundwater Pesticides/PCBs via EPA Methods 8081/8082
- 8x groundwater TAL Metals (filtered and unfiltered)
- 3 soil, 3 groundwater field duplicates
- 6 field blanks
- Trip blanks in every cooler

Let me know if this can be accommodated. Thanks!

Daniel Ligon
Environmental Specialist



First Environment, Inc.
10 Park Place, Bldg 1A, Suite 504
Butler, NJ 07405
Ph: 973-334-0003 ext. 224
Cell: 973-873-8515
DLigon@firstenvironment.com
www.firstenvironment.com

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2815 **FIRS02**

Order Date : 8/11/2025 10:33:09 AM

Project Mgr :

Client Name : First Environment, Inc.

Project Name : USACE018-44 DOD

Report Type : Level 4

Client Contact : Al Smith

Receive DateTime : 8/8/2025 6:01:00 PM

EDD Type : EQUIS

Invoice Name : First Environment, Inc.

Purchase Order :

Hard Copy Date :

Invoice Contact : Al Smith

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2815-01	TW-705R-S	Water	08/06/2025	11:21	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-02	TW-10PC-W	Water	08/06/2025	01:30	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-03	TW-10P-E	Water	08/06/2025	01:40	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-04	TW-10P-S	Water	08/06/2025	01:50	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-05	TW-10P-W	Water	08/06/2025	02:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-06	TW-10P-N	Water	08/06/2025	02:10	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-07	TW-88H-E	Water	08/07/2025	08:35	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-08	TW-88H-N	Water	08/07/2025	08:45					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2815 FIRS02

Order Date : 8/11/2025 10:33:09 AM

Project Mgr :

Client Name : First Environment, Inc.

Project Name : USACE018-44 DOD

Report Type : Level 4

Client Contact : Al Smith

Receive DateTime : 8/8/2025 6:01:00 PM

EDD Type : EQUIS

Invoice Name : First Environment, Inc.

Purchase Order :

Hard Copy Date :

Invoice Contact : Al Smith

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2815-09	TW-88H-W	Water	08/07/2025	11:10	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2815-10	TW-88H-S	Water	08/07/2025	11:10	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2815-11	TW-22M-W	Water	08/08/2025	11:10	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2815-12	TW-22M-S	Water	08/08/2025	11:23	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2815-13	TW-22M-E	Water	08/08/2025	11:33	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2815-14	TW-22M-N	Water	08/08/2025	11:43	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2815-15	TW-17M-E	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2815	FIRS02	Order Date : 8/11/2025 10:33:09 AM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/8/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2815-16	TW-17M-S	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-17	TW-84SB-S	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-18	TW-84SB-W	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-19	DUP	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-20	TW-11M-W	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-21	TW-11M-E	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-22	TW-11M-S	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-23	TW-11M-N	Water	08/08/2025	00:00					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2815	FIRS02	Order Date : 8/11/2025 10:33:09 AM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : 8/8/2025 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2815-24	TB	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2815-26	FB	Water	08/08/2025	00:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By :

Date / Time : 8/11/25 1305

Received By :

Date / Time : 08/11/25 13:05 Reg # 4

Storage Area : VOA Refridgerator Room

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143345.D
 Acq On : 12 Aug 2025 10:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 12 13:17:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	154882	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	603685	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	326305	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	511556	20.000	ng	0.00
76) Chrysene-d12	14.086	240	288804	20.000	ng	0.00
86) Perylene-d12	15.580	264	252284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	181196	20.231	ng	0.00
7) Phenol-d6	6.551	99	233168	20.301	ng	-0.01
23) Nitrobenzene-d5	7.481	82	183453	18.924	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	41296	17.317	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	434554	22.583	ng	0.00
79) Terphenyl-d14	13.027	244	388588	24.022	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	45069	9.724	ng	99
3) Pyridine	3.546	79	121796	9.862	ng	98
4) n-Nitrosodimethylamine	3.463	42	53152	9.239	ng	95
6) Aniline	6.587	93	165629	10.229	ng	98
8) 2-Chlorophenol	6.716	128	94079	9.830	ng	97
9) Benzaldehyde	6.481	77	85899	11.315	ng	99
10) Phenol	6.569	94	138719	10.195	ng	94
11) bis(2-Chloroethyl)ether	6.657	93	100958	10.068	ng	99
12) 1,3-Dichlorobenzene	6.869	146	114502	10.373	ng	99
13) 1,4-Dichlorobenzene	6.945	146	116940	10.555	ng	97
14) 1,2-Dichlorobenzene	7.098	146	109638	10.425	ng	99
15) Benzyl Alcohol	7.063	79	75894	9.218	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	186451	10.414	ng	96
17) 2-Methylphenol	7.175	107	80378	9.950	ng	99
18) Hexachloroethane	7.445	117	33555	9.660	ng	98
19) n-Nitroso-di-n-propyla...	7.328	70	72922	10.275	ng	95
20) 3+4-Methylphenols	7.328	107	103058	10.548	ng	# 85
22) Acetophenone	7.328	105	144189	10.840	ng	98
24) Nitrobenzene	7.504	77	99226	9.425	ng	98
25) Isophorone	7.739	82	199699	10.091	ng	98
26) 2-Nitrophenol	7.822	139	25672	9.265	ng	98
27) 2,4-Dimethylphenol	7.857	122	78873	9.553	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	123627	10.232	ng	99
29) 2,4-Dichlorophenol	8.069	162	77156	9.568	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	87392	10.274	ng	98
31) Naphthalene	8.233	128	308901	10.634	ng	98
32) Benzoic acid	7.939	122	17211	9.156	ng	93
33) 4-Chloroaniline	8.275	127	105601	10.079	ng	99
34) Hexachlorobutadiene	8.351	225	54615	10.321	ng	99
35) Caprolactam	8.610	113	18357	8.098	ng	93
36) 4-Chloro-3-methylphenol	8.757	107	82681	9.780	ng	96
37) 2-Methylnaphthalene	8.922	142	203203	10.641	ng	100
38) 1-Methylnaphthalene	9.022	142	197497	10.738	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	92307	10.338	ng	99
41) Hexachlorocyclopentadiene	9.081	237	14343	10.801	ng	100
43) 2,4,6-Trichlorophenol	9.198	196	44424	8.769	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143345.D
 Acq On : 12 Aug 2025 10:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 12 13:17:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:02:27 2025
 Response via : Initial Calibration

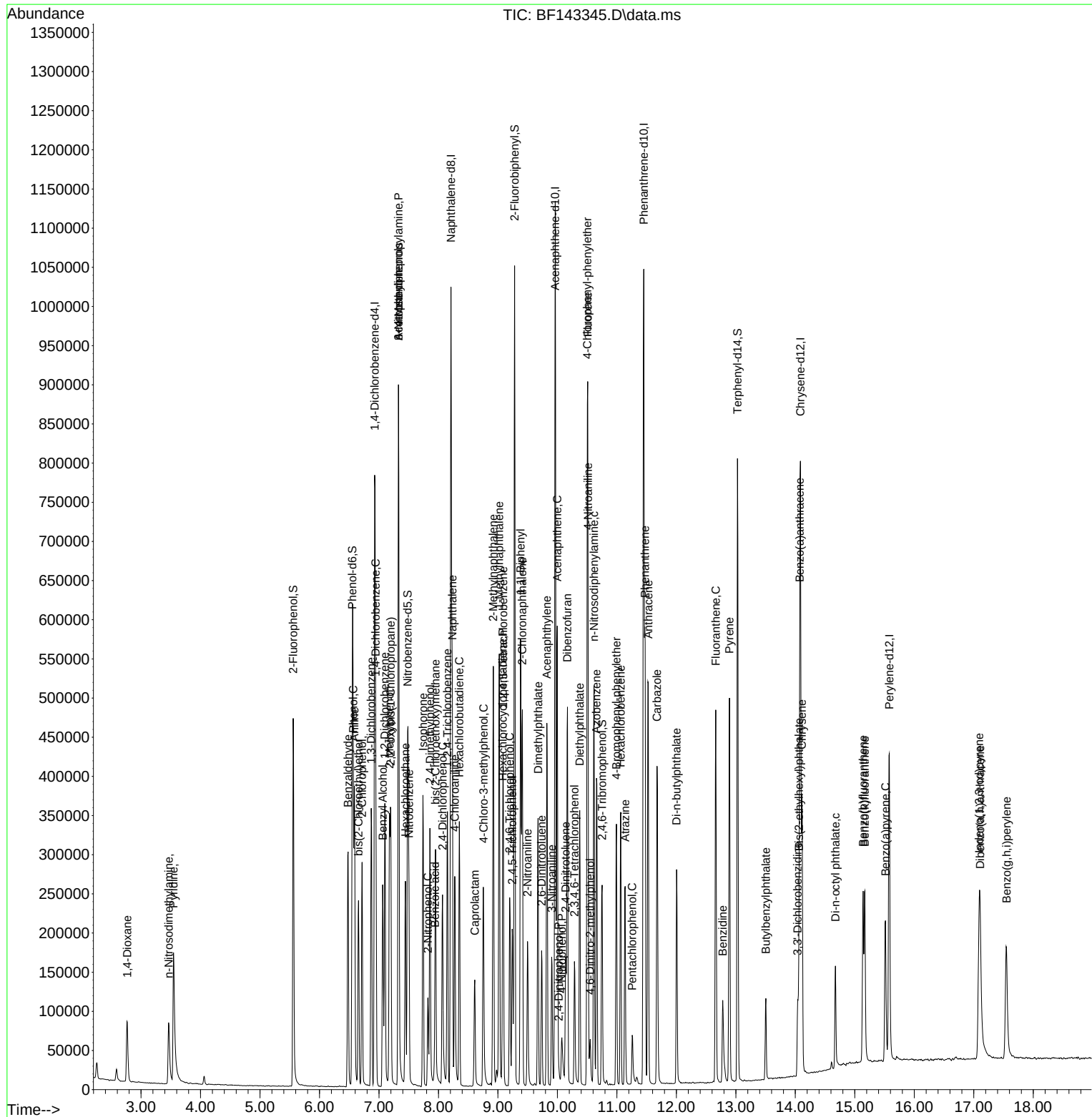
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	50263	8.786	ng	98
46) 1,1'-Biphenyl	9.380	154	245641	10.647	ng	99
47) 2-Chloronaphthalene	9.410	162	191809	10.556	ng	98
48) 2-Nitroaniline	9.498	65	36444	9.319	ng	93
49) Acenaphthylene	9.822	152	274441	10.459	ng	99
50) Dimethylphthalate	9.675	163	192210	10.081	ng	100
51) 2,6-Dinitrotoluene	9.733	165	24005	9.205	ng	88
52) Acenaphthene	9.998	154	183915	10.543	ng	100
53) 3-Nitroaniline	9.904	138	31507	8.069	ng	92
54) 2,4-Dinitrophenol	10.022	184	4834	10.356	ng	92
55) Dibenzofuran	10.169	168	267653	10.660	ng	99
56) 4-Nitrophenol	10.075	139	15708	10.166	ng	92
57) 2,4-Dinitrotoluene	10.139	165	31226	9.126	ng	91
58) Fluorene	10.510	166	210161	10.959	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	30681	7.955	ng	98
60) Diethylphthalate	10.375	149	173119	10.137	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	97989	10.575	ng	99
62) 4-Nitroaniline	10.516	138	32919	8.714	ng	97
63) Azobenzene	10.657	77	200367	10.272	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	9325	11.085	ng	92
66) n-Nitrosodiphenylamine	10.616	169	171289	10.169	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	56818	9.712	ng	97
68) Hexachlorobenzene	11.063	284	63639	10.091	ng	99
69) Atrazine	11.139	200	40124	9.133	ng	100
70) Pentachlorophenol	11.257	266	14951	10.407	ng	94
71) Phenanthrene	11.474	178	296410	10.620	ng	98
72) Anthracene	11.527	178	298872	10.559	ng	99
73) Carbazole	11.674	167	255831	10.613	ng	100
74) Di-n-butylphthalate	12.004	149	189069	9.269	ng	99
75) Fluoranthene	12.663	202	269569	11.026	ng	99
77) Benzidine	12.780	184	78152	9.898	ng	100
78) Pyrene	12.892	202	283403	11.697	ng	98
80) Butylbenzylphthalate	13.504	149	30088	9.196	ng	99
81) Benzo(a)anthracene	14.074	228	176759	9.629	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	36804	7.425	ng	98
83) Chrysene	14.110	228	180427	10.541	ng	98
84) Bis(2-ethylhexyl)phtha...	14.063	149	39945	9.191	ng	100
85) Di-n-octyl phthalate	14.674	149	78702	10.933	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	183505	10.153	ng	99
88) Benzo(b)fluoranthene	15.139	252	129605	9.392	ng	99
89) Benzo(k)fluoranthene	15.168	252	136296	10.165	ng	98
90) Benzo(a)pyrene	15.515	252	127540	9.814	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	146537	10.148	ng	98
92) Benzo(g,h,i)perylene	17.551	276	150383	10.338	ng	100

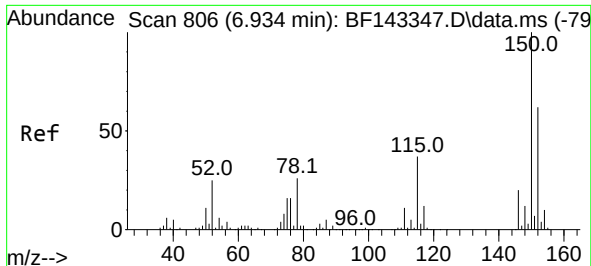
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

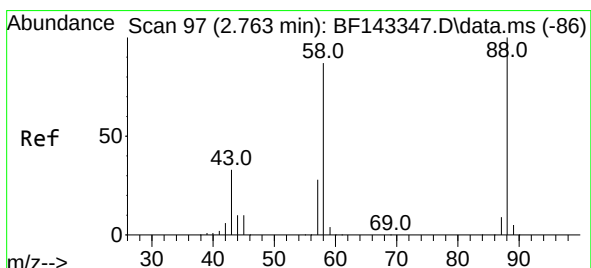
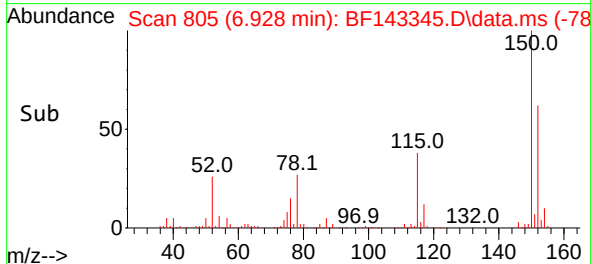
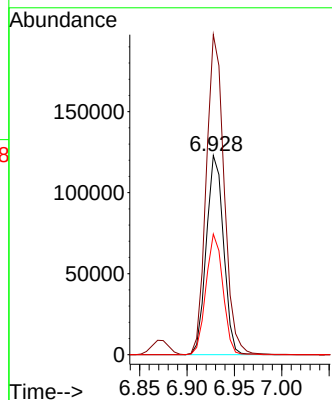
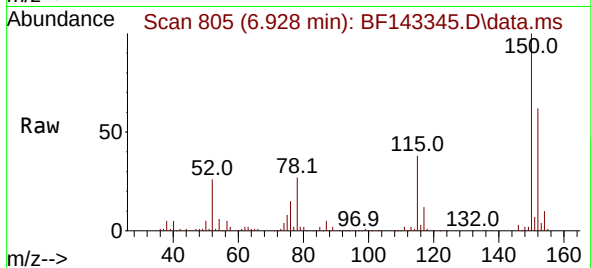




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

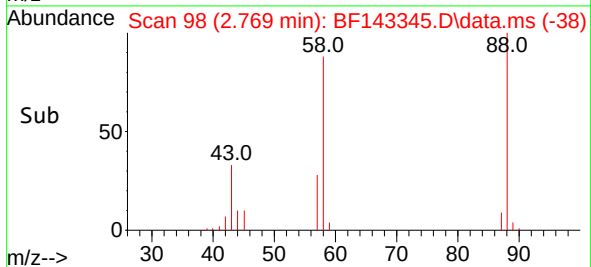
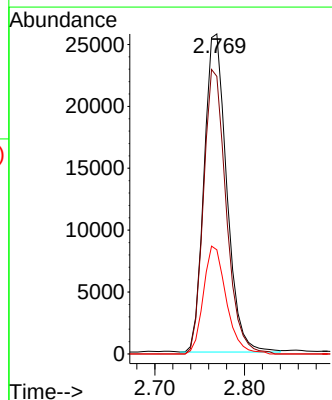
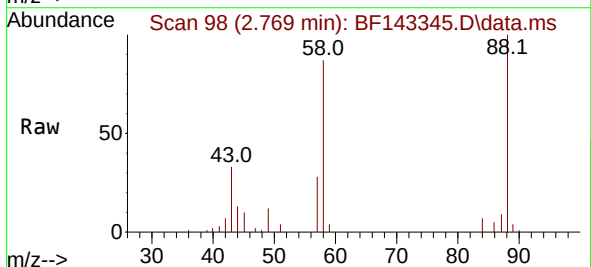
Instrument :
 BNA_F
 ClientSampleId :
 SSTDIC010

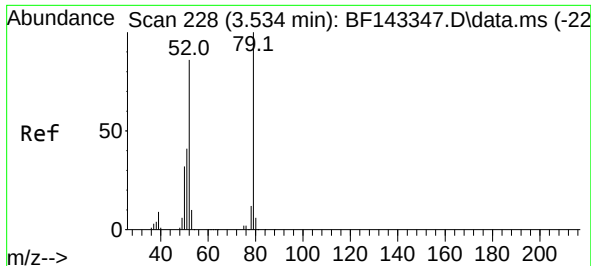
Tgt Ion:152 Resp: 154882
 Ion Ratio Lower Upper
 152 100
 150 160.6 129.8 194.8
 115 60.6 47.8 71.8



#2
 1,4-Dioxane
 Concen: 9.724 ng
 RT: 2.769 min Scan# 98
 Delta R.T. 0.006 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

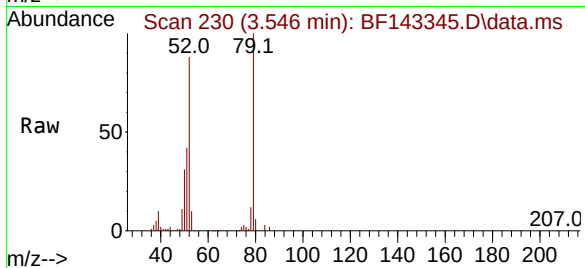
Tgt Ion: 88 Resp: 45069
 Ion Ratio Lower Upper
 88 100
 58 89.2 71.0 106.6
 43 34.2 27.0 40.6



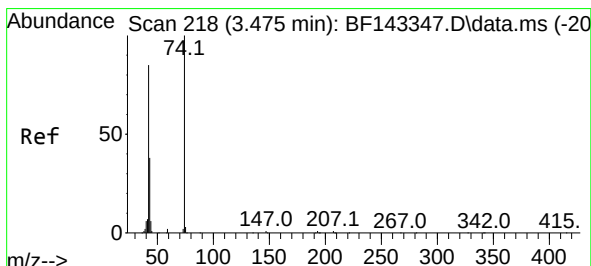
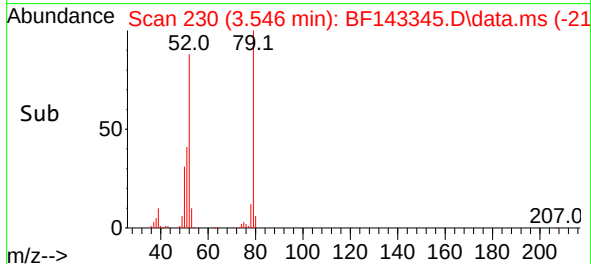
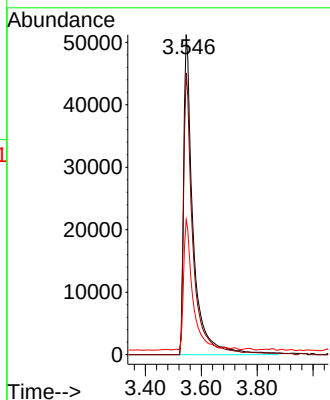


#3
Pyridine
Concen: 9.862 ng
RT: 3.546 min Scan# 216
Delta R.T. 0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

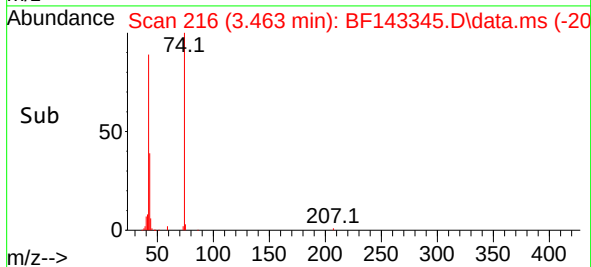
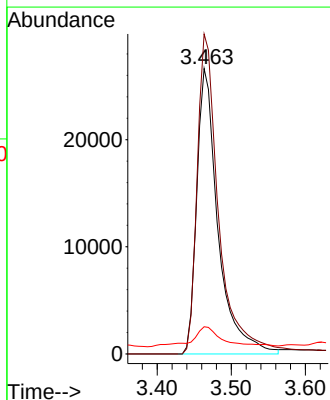
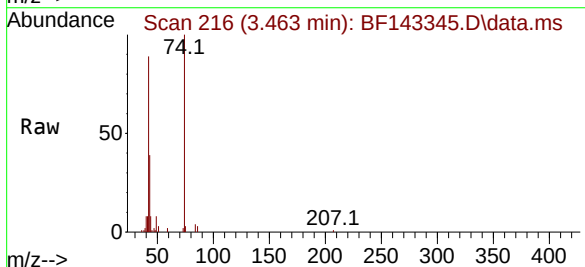


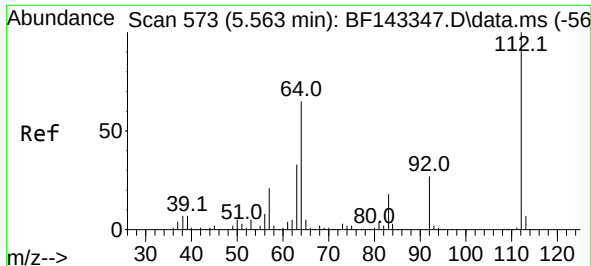
Tgt Ion: 79 Resp: 121796
Ion Ratio Lower Upper
79 100
52 88.0 68.7 103.1
51 42.2 33.4 50.0



#4
n-Nitrosodimethylamine
Concen: 9.239 ng
RT: 3.463 min Scan# 216
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 42 Resp: 53152
Ion Ratio Lower Upper
42 100
74 112.1 94.1 141.1
44 9.5 6.5 9.7

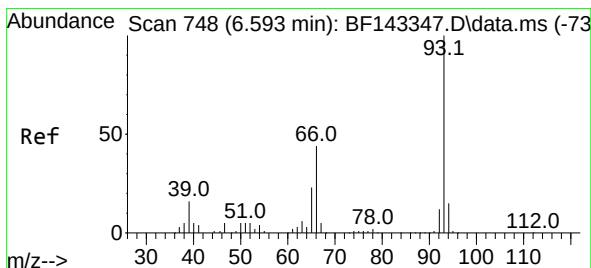
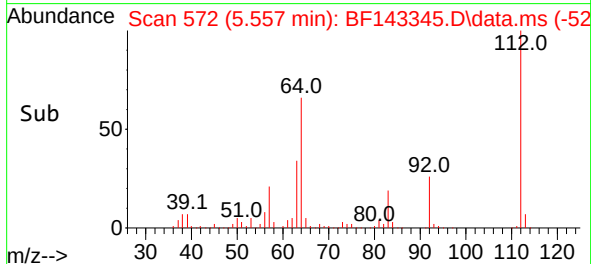
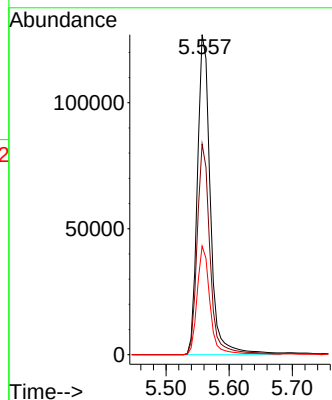
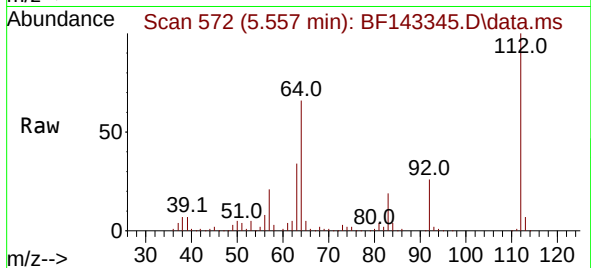




#5
2-Fluorophenol
Concen: 20.231 ng
RT: 5.557 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

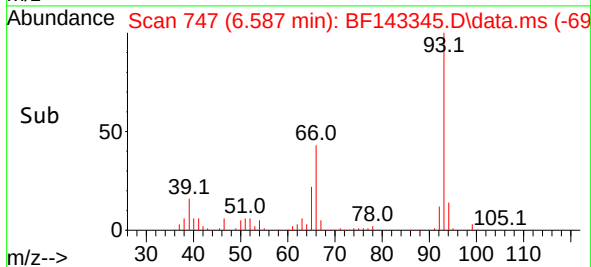
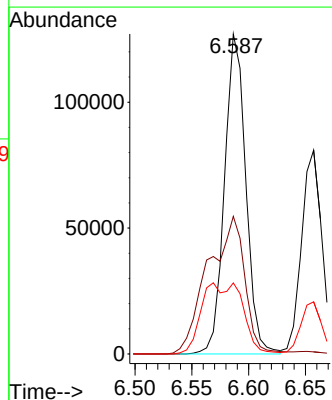
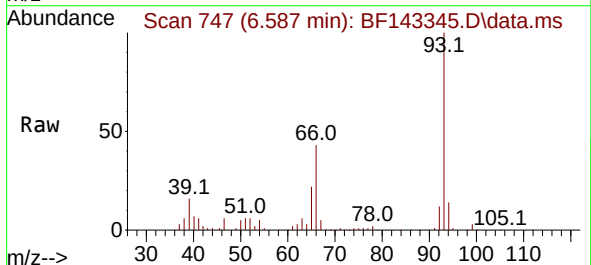
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

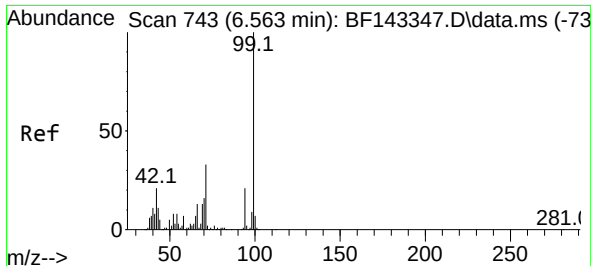
Tgt Ion:112 Resp: 181196
Ion Ratio Lower Upper
112 100
64 65.8 52.1 78.1
63 33.9 26.6 39.8



#6
Aniline
Concen: 10.229 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 165629
Ion Ratio Lower Upper
93 100
66 43.0 35.3 52.9
65 22.2 18.2 27.4

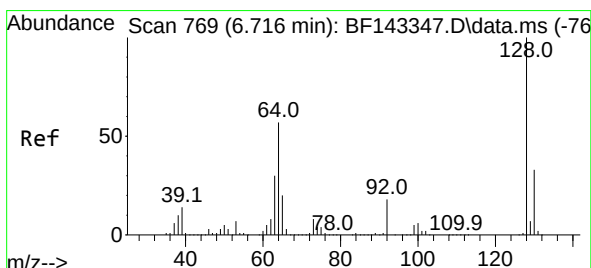
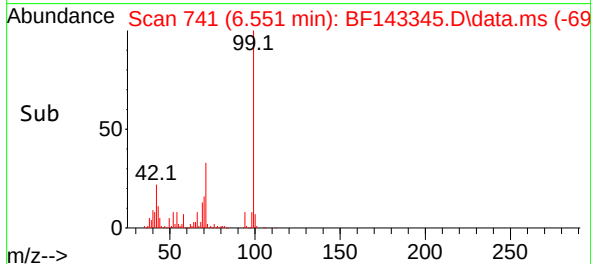
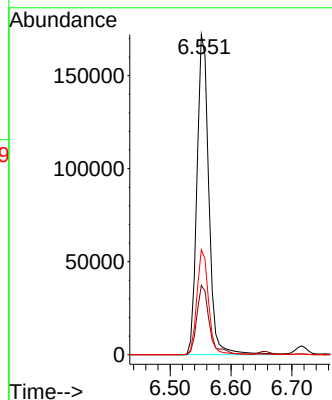
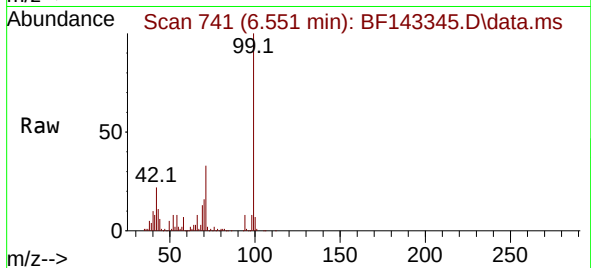




#7
Phenol-d6
Concen: 20.301 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

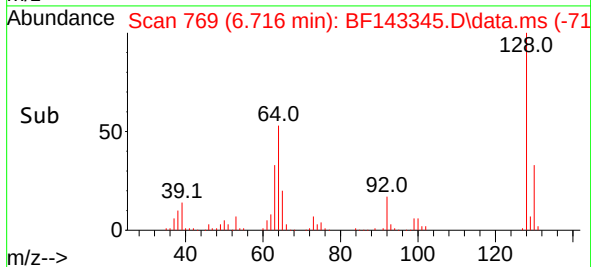
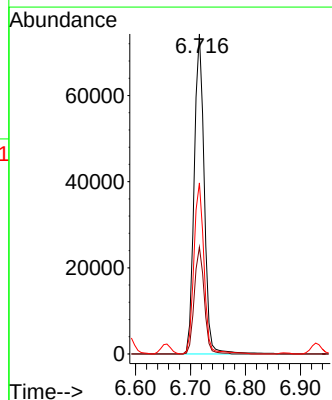
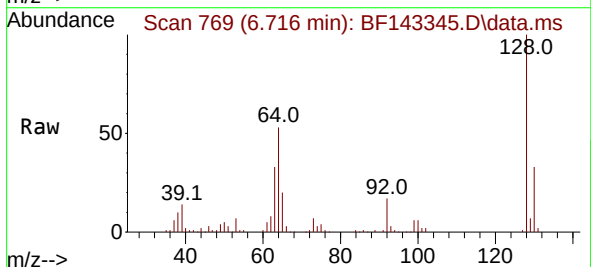
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

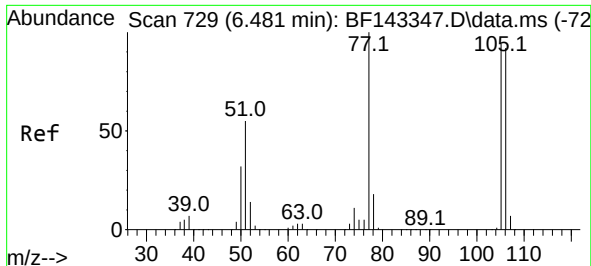
Tgt Ion: 99 Resp: 233168
Ion Ratio Lower Upper
99 100
42 21.7 16.6 25.0
71 32.8 26.2 39.2



#8
2-Chlorophenol
Concen: 9.830 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 128 Resp: 94079
Ion Ratio Lower Upper
128 100
130 33.4 12.6 52.6
64 53.4 36.7 76.7

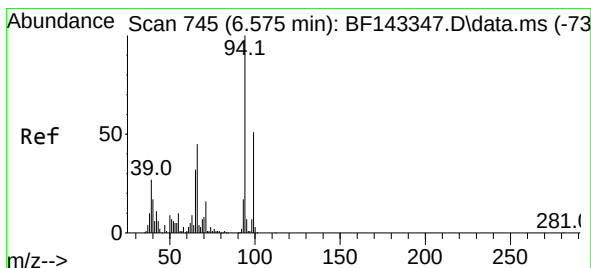
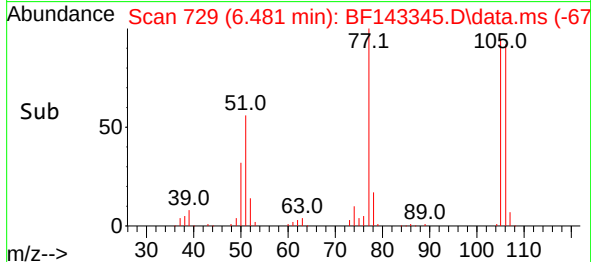
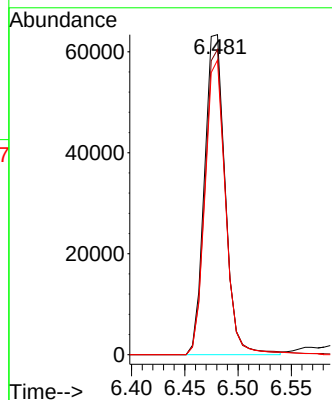
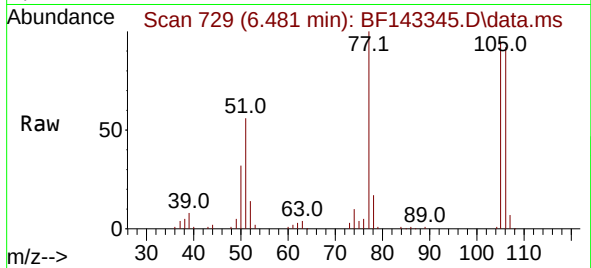




#9
Benzaldehyde
Concen: 11.315 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

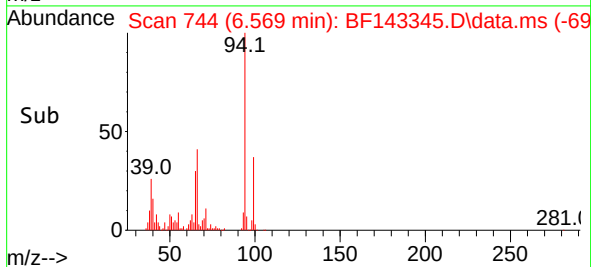
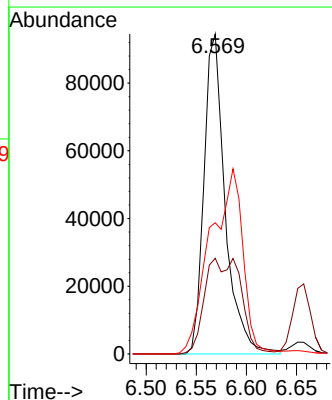
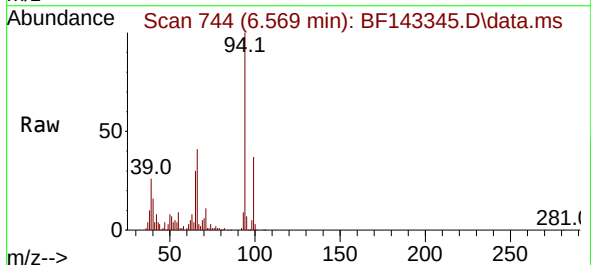
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

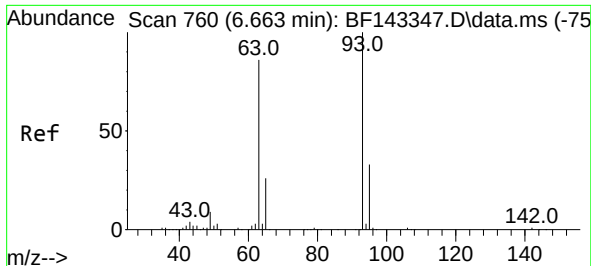
Tgt Ion: 77 Resp: 85899
Ion Ratio Lower Upper
77 100
105 95.4 74.2 114.2
106 92.0 72.2 112.2



#10
Phenol
Concen: 10.195 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 94 Resp: 138719
Ion Ratio Lower Upper
94 100
65 29.9 12.0 52.0
66 41.0 25.6 65.6

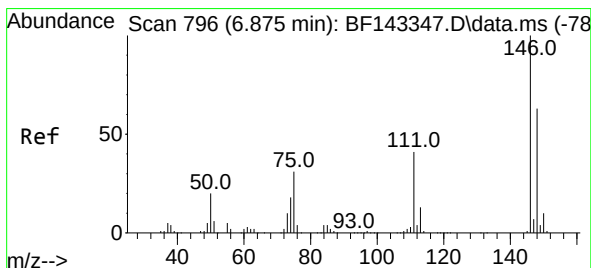
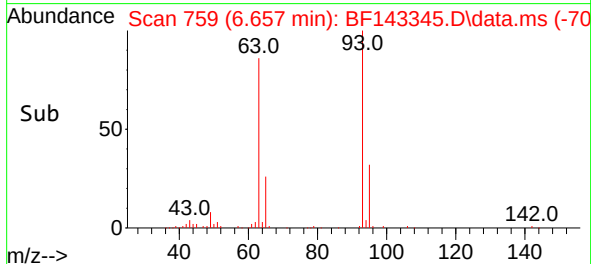
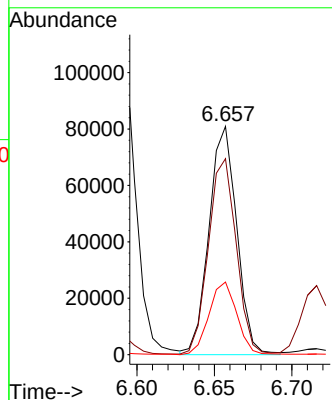
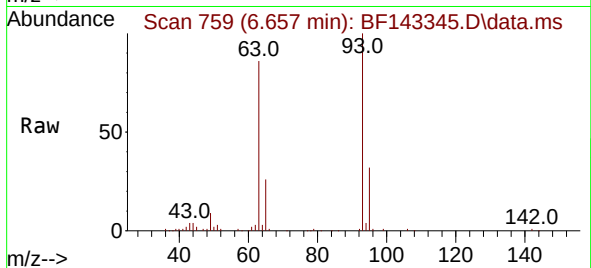




#11
bis(2-Chloroethyl)ether
Concen: 10.068 ng
RT: 6.657 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

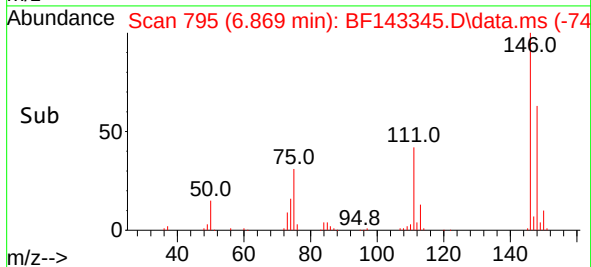
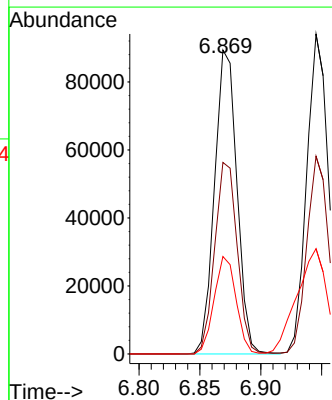
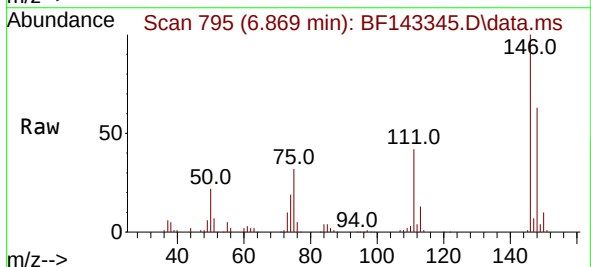
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

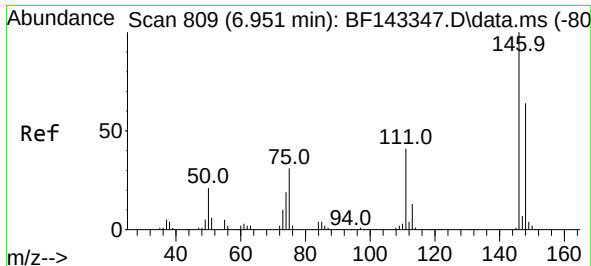
Tgt Ion: 93 Resp: 100958
Ion Ratio Lower Upper
93 100
63 85.8 65.7 105.7
95 31.8 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 10.373 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 146 Resp: 114502
Ion Ratio Lower Upper
146 100
148 63.0 50.5 75.7
75 32.1 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 10.555 ng

RT: 6.945 min Scan# 809

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

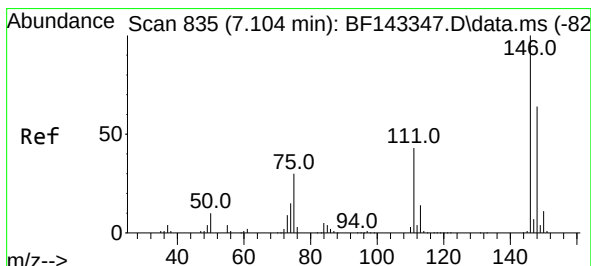
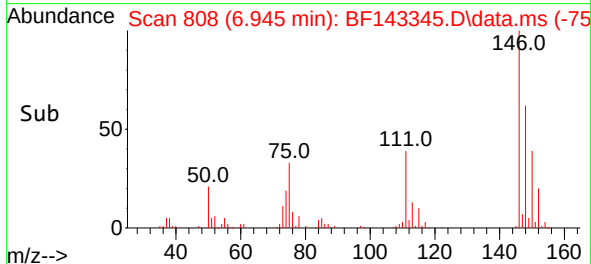
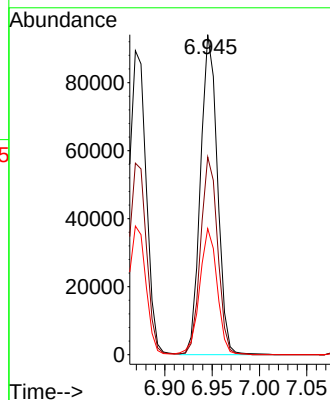
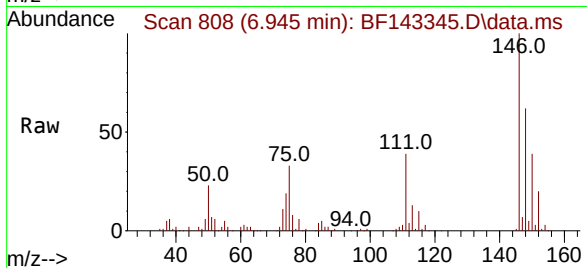
Tgt Ion:146 Resp: 116940

Ion Ratio Lower Upper

146 100

148 61.8 51.4 77.0

111 39.4 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 10.425 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

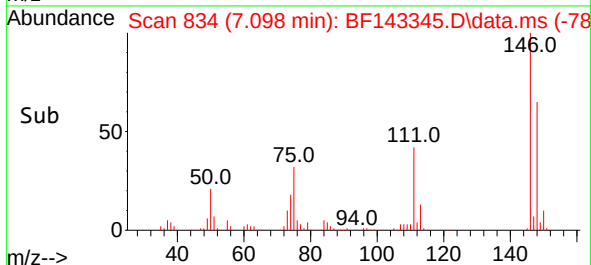
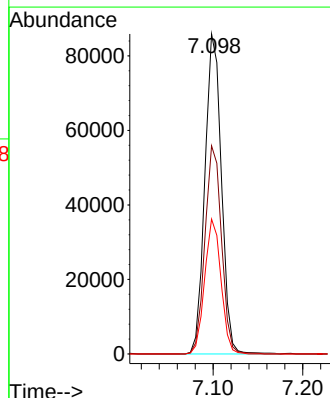
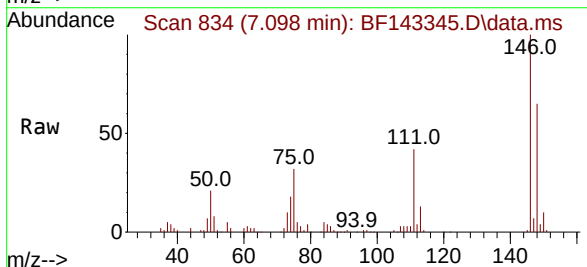
Tgt Ion:146 Resp: 109638

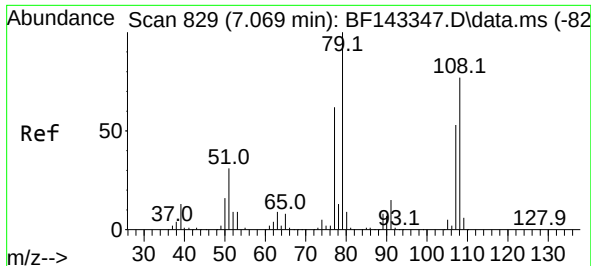
Ion Ratio Lower Upper

146 100

148 65.0 51.4 77.2

111 42.2 34.1 51.1

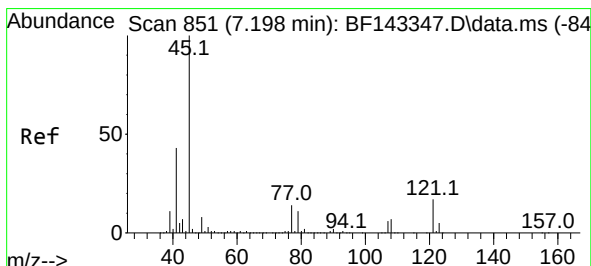
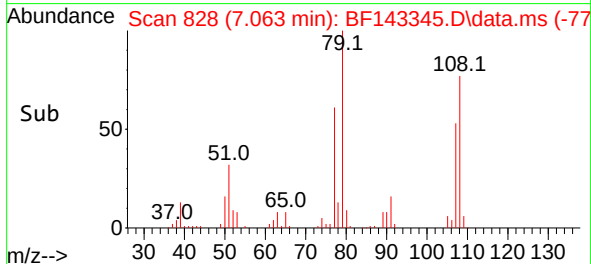
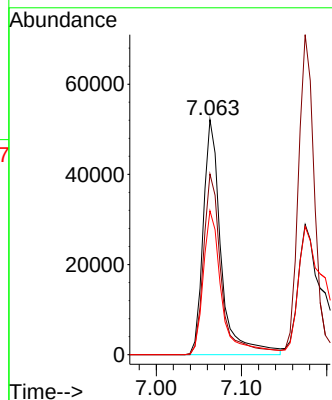
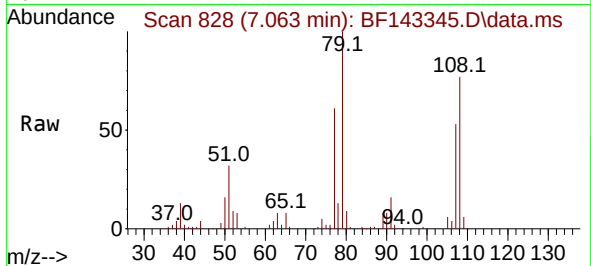




#15
Benzyl Alcohol
Concen: 9.218 ng
RT: 7.063 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

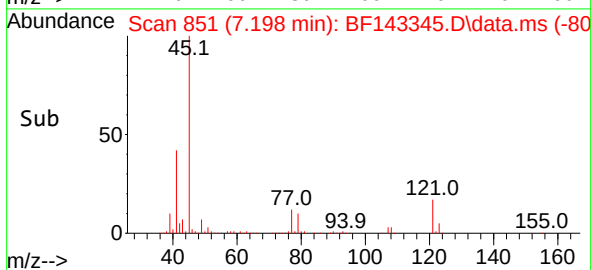
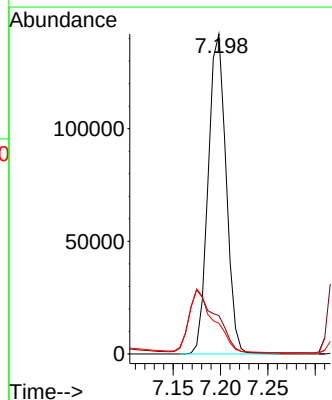
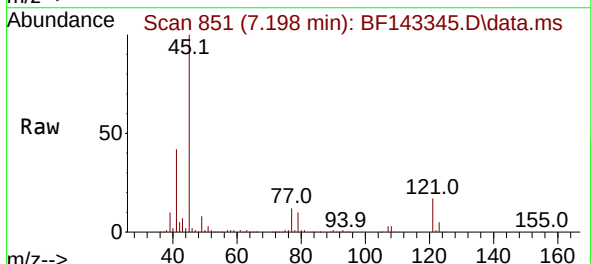
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

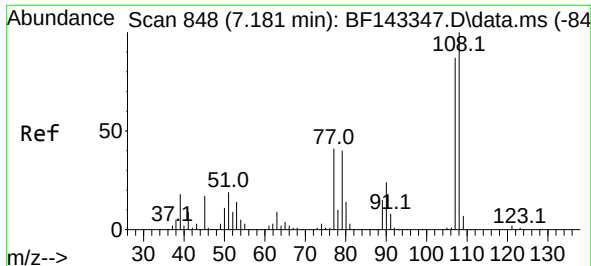
Tgt Ion:	79	Resp:	75894
Ion	Ratio	Lower	Upper
79	100		
108	76.8	61.5	92.3
77	61.2	49.8	74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.414 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

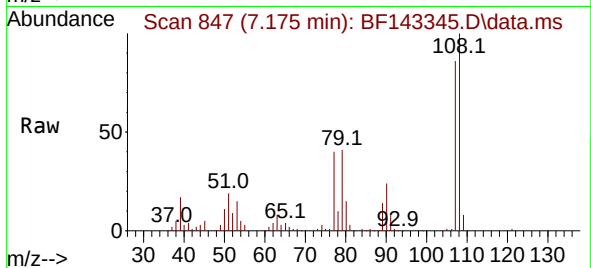
Tgt Ion:	45	Resp:	186451
Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	34.0
79	9.6	0.0	31.1



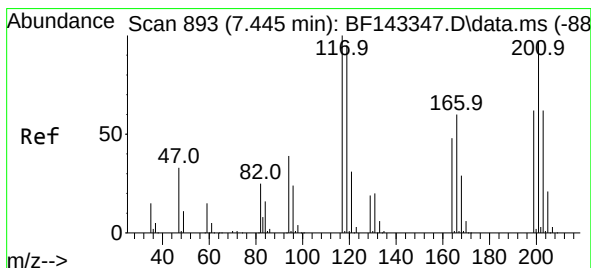
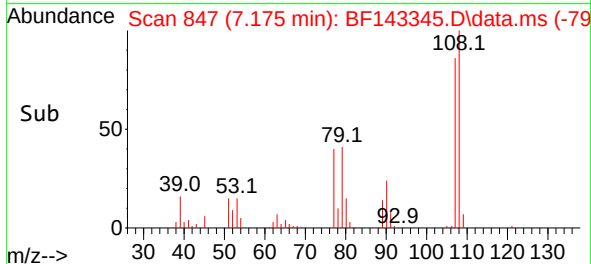
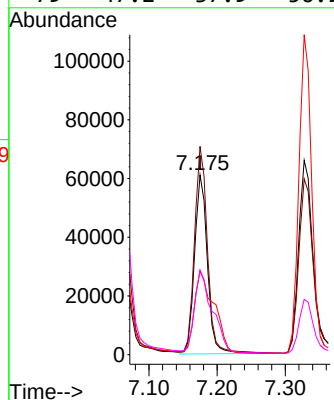


#17
2-Methylphenol
Concen: 9.950 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

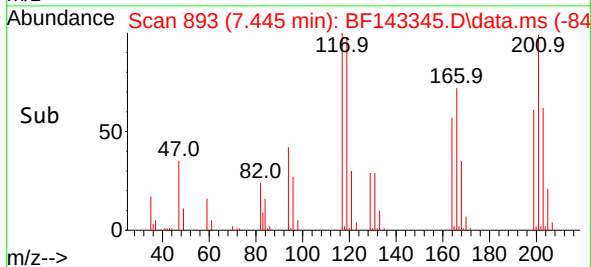
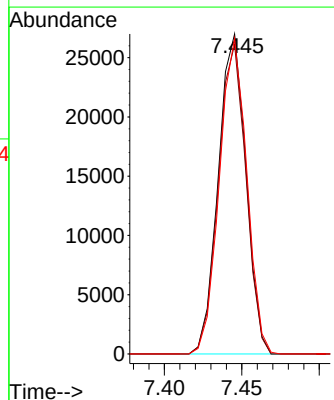
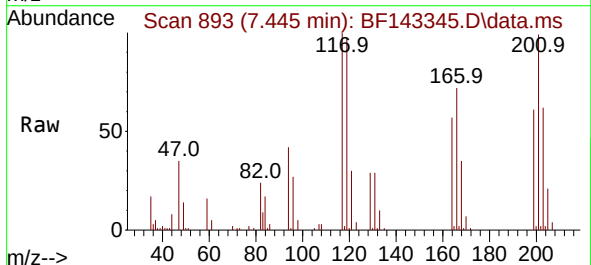


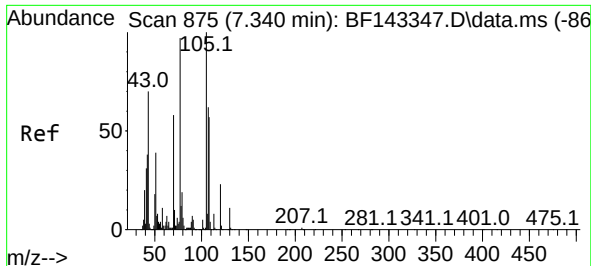
Tgt Ion:	107	Resp:	80378
Ion	Ratio	Lower	Upper
107	100		
108	116.0	92.0	138.0
77	46.5	38.2	57.2
79	47.2	37.9	56.9



#18
Hexachloroethane
Concen: 9.660 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:	117	Resp:	33555
Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.8
201	98.6	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 10.275 ng

RT: 7.328 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 72922

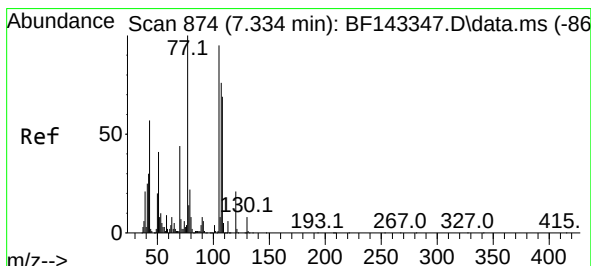
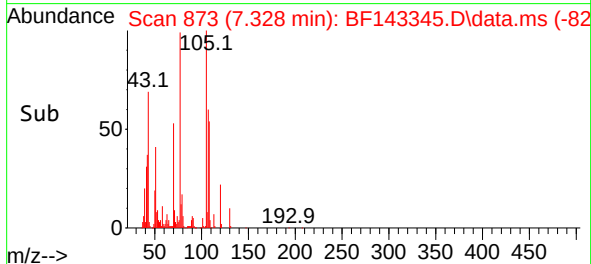
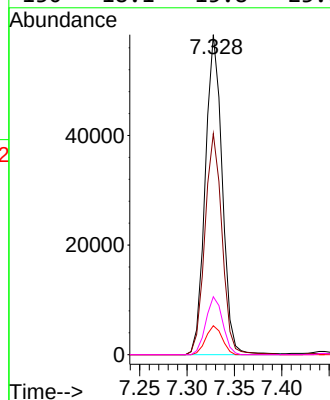
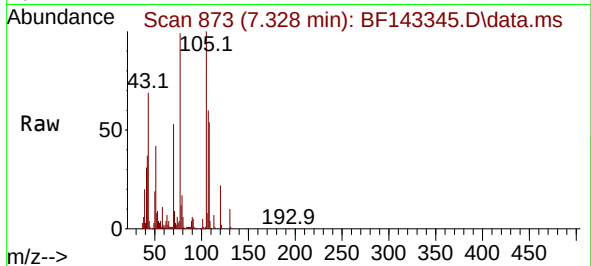
Ion Ratio Lower Upper

70 100

42 69.0 51.6 77.4

101 9.1 7.5 11.3

130 18.1 15.8 23.6



#20

3+4-Methylphenols

Concen: 10.548 ng

RT: 7.328 min Scan# 873

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion: 107 Resp: 103058

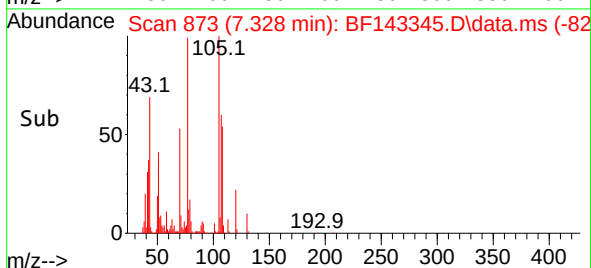
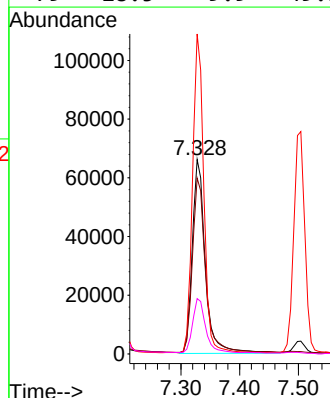
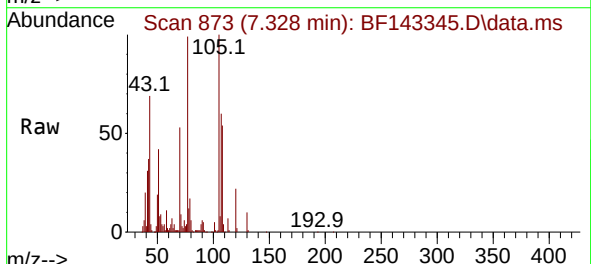
Ion Ratio Lower Upper

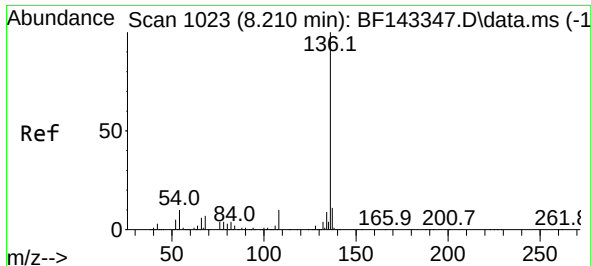
107 100

108 90.4 70.6 110.6

77 164.6 112.0 152.0

79 28.5 9.9 49.9

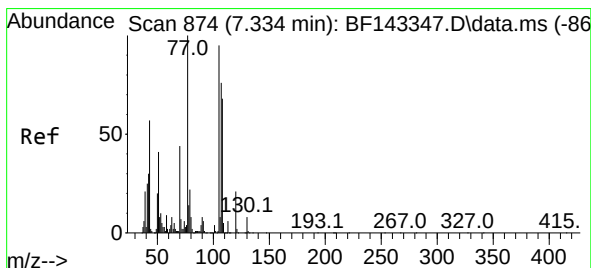
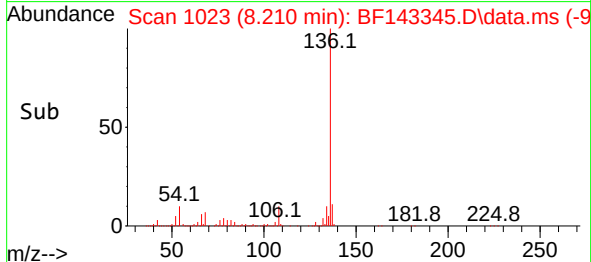
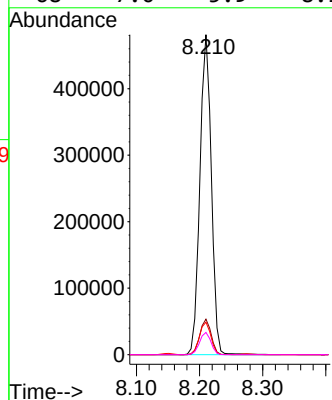
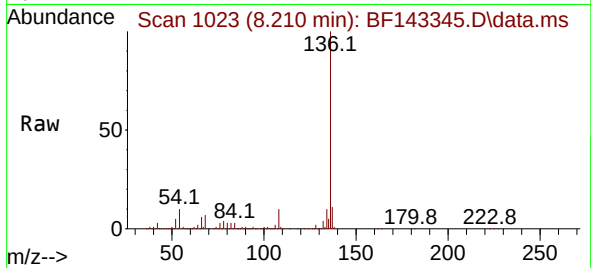




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

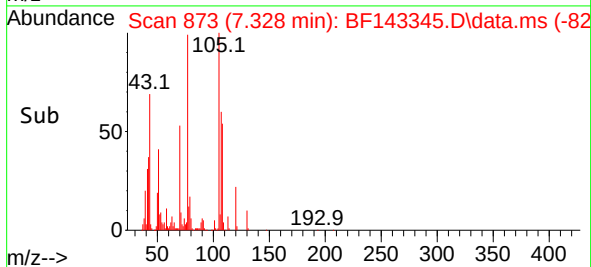
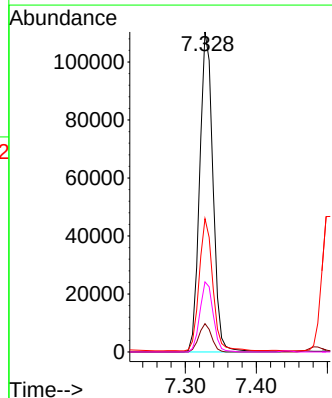
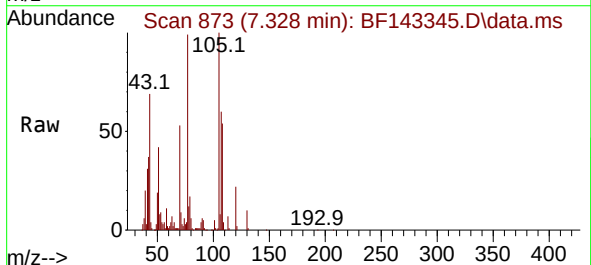
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

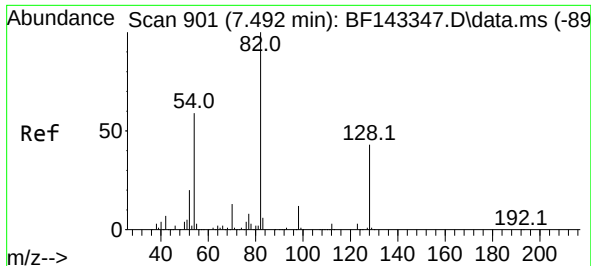
Tgt Ion:136	Resp: 603685
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 10.2	8.4 12.6
68 7.0	5.9 8.9



#22
Acetophenone
Concen: 10.840 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt	Ion:105	Resp:	144189
Ion	Ratio	Lower	Upper
105	100		
71	8.8	6.2	9.4
51	41.6	34.8	52.2
120	21.9	17.9	26.9





#23

Nitrobenzene-d5

Concen: 18.924 ng

RT: 7.481 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

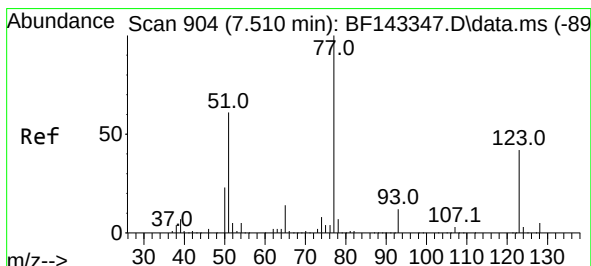
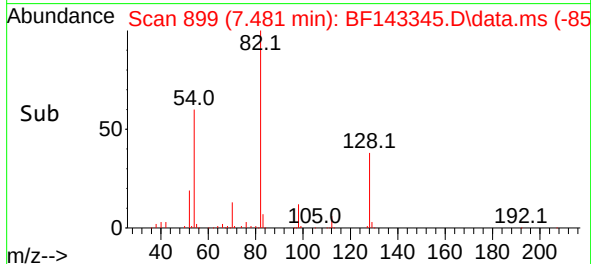
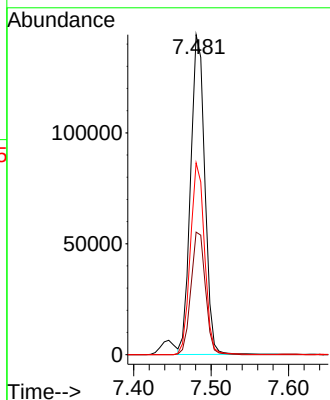
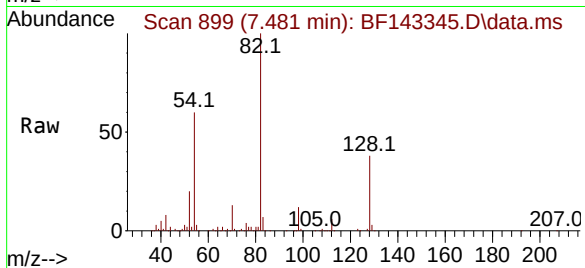
Tgt Ion: 82 Resp: 183453

Ion Ratio Lower Upper

82 100

128 38.3 33.5 50.3

54 60.0 46.7 70.1



#24

Nitrobenzene

Concen: 9.425 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

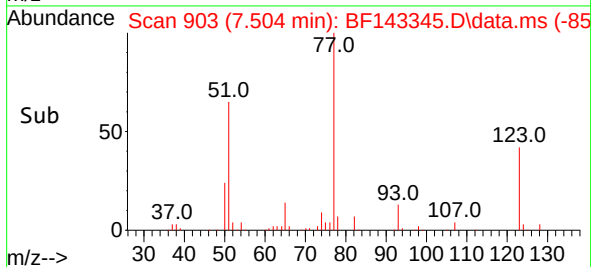
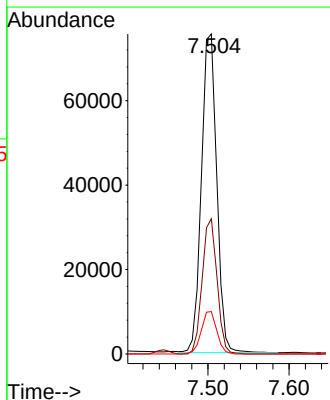
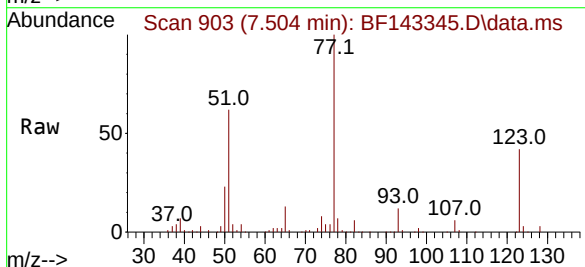
Tgt Ion: 77 Resp: 99226

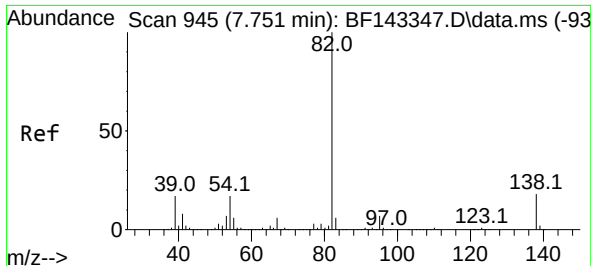
Ion Ratio Lower Upper

77 100

123 42.3 34.8 52.2

65 13.2 11.0 16.6

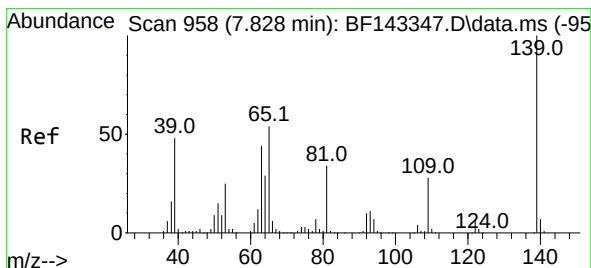
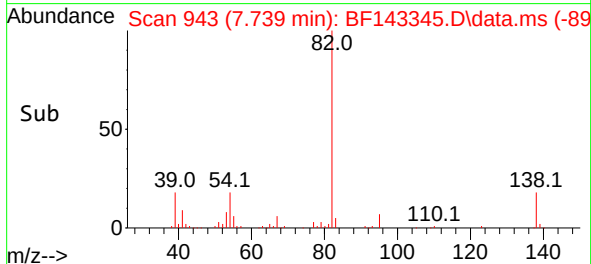
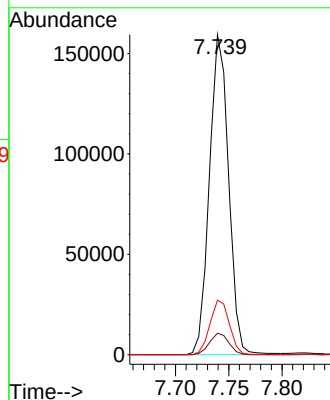
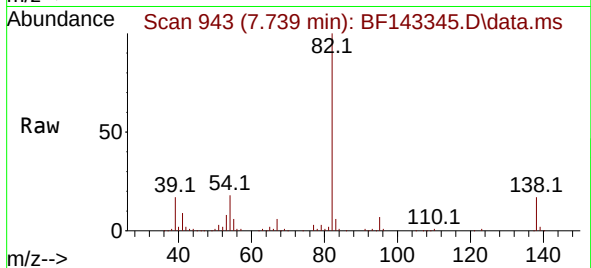




#25
Isophorone
Concen: 10.091 ng
RT: 7.739 min Scan# 945
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

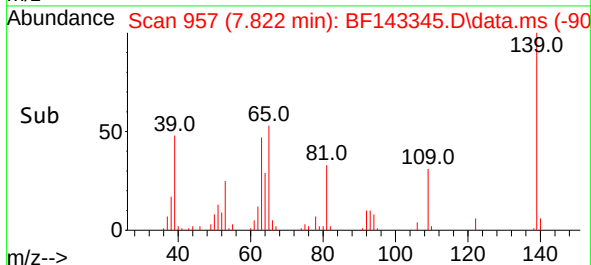
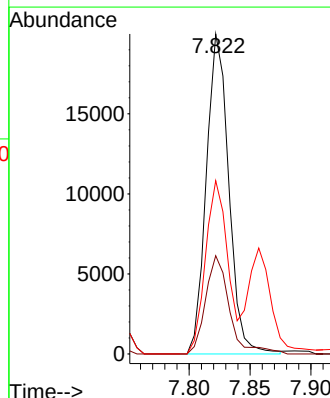
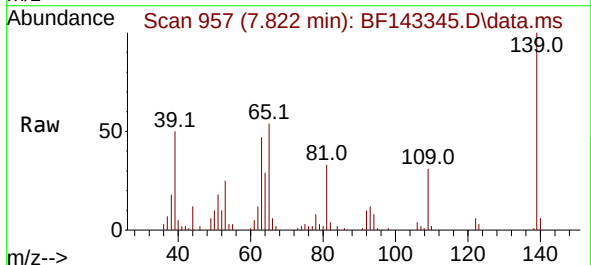
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

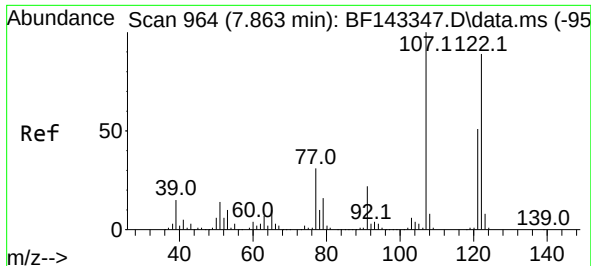
Tgt Ion: 82 Resp: 199699
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.1 14.6 21.8



#26
2-Nitrophenol
Concen: 9.265 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 139 Resp: 25672
Ion Ratio Lower Upper
139 100
109 30.7 22.4 33.6
65 54.1 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 9.553 ng

RT: 7.857 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

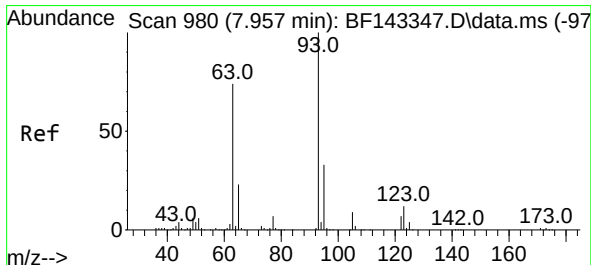
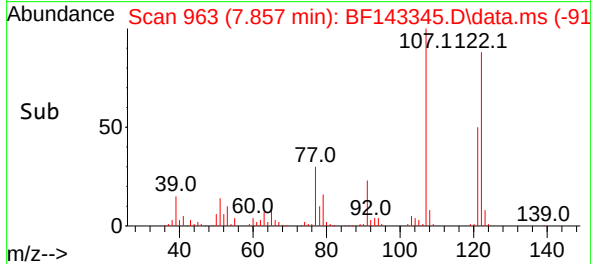
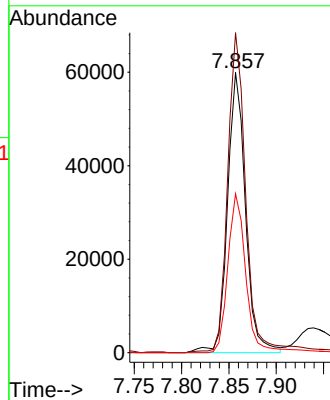
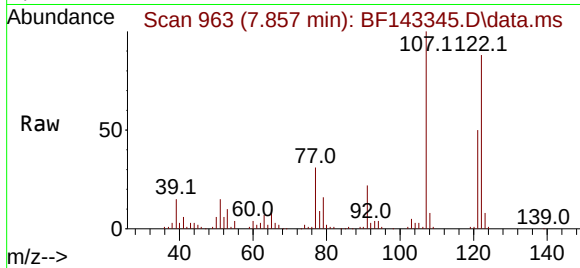
Tgt Ion:122 Resp: 78873

Ion Ratio Lower Upper

122 100

107 114.2 89.9 134.9

121 56.7 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 10.232 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

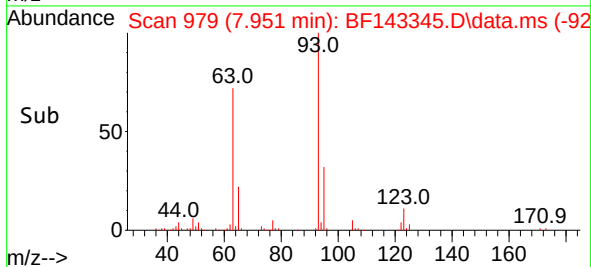
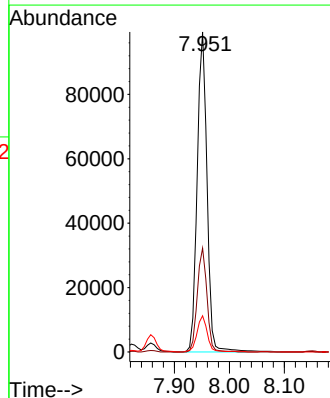
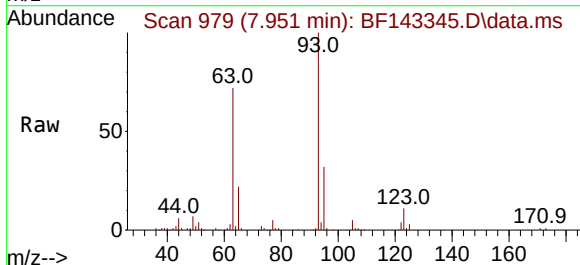
Tgt Ion: 93 Resp: 123627

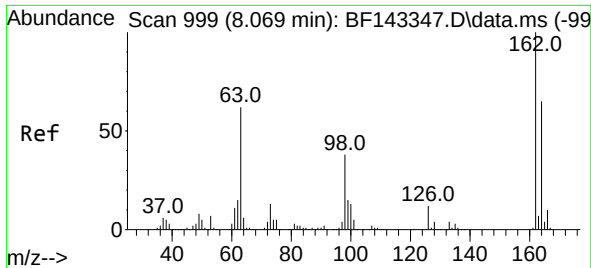
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.4

123 11.3 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 9.568 ng

RT: 8.069 min Scan# 999

Delta R.T. -0.000 min

Lab File: BF143345.D

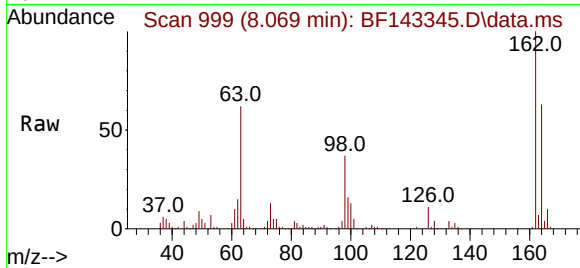
Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



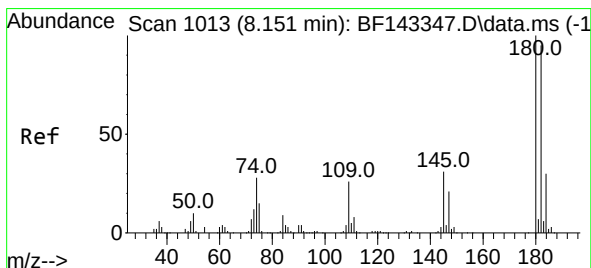
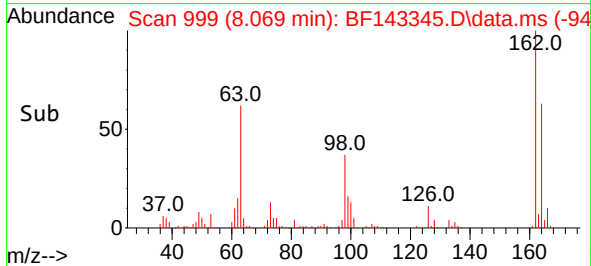
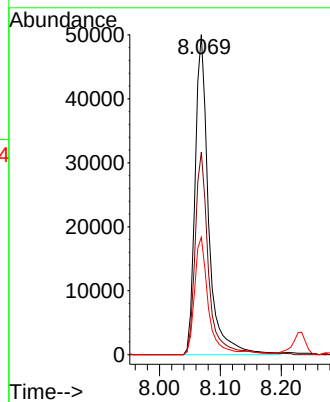
Tgt Ion:162 Resp: 77156

Ion Ratio Lower Upper

162 100

164 63.3 44.5 84.5

98 36.7 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 10.274 ng

RT: 8.151 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

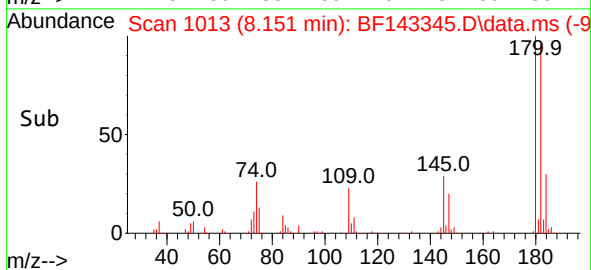
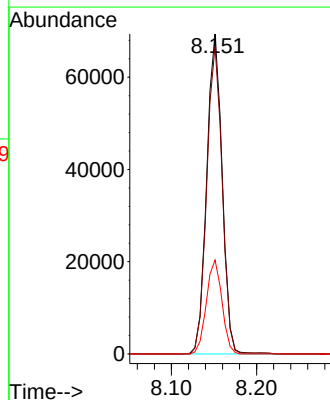
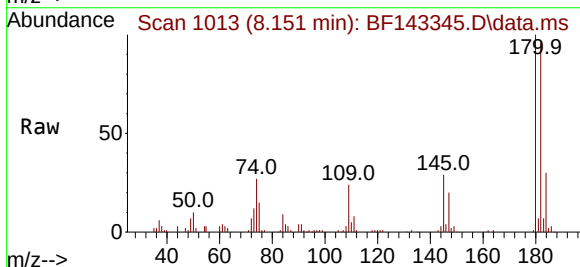
Tgt Ion:180 Resp: 87392

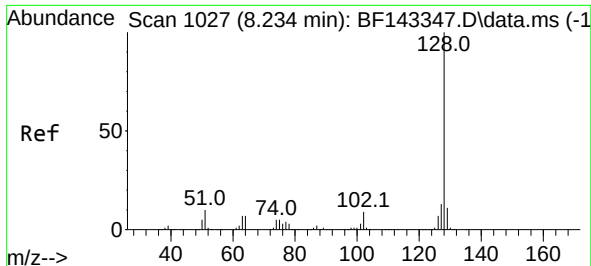
Ion Ratio Lower Upper

180 100

182 96.1 76.1 114.1

145 29.4 24.9 37.3

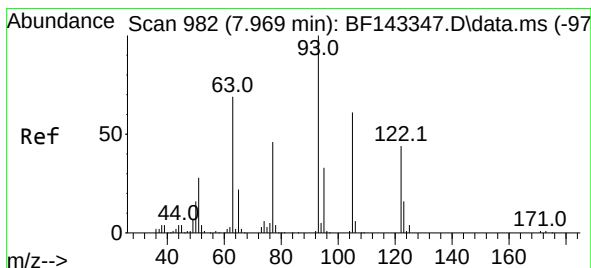
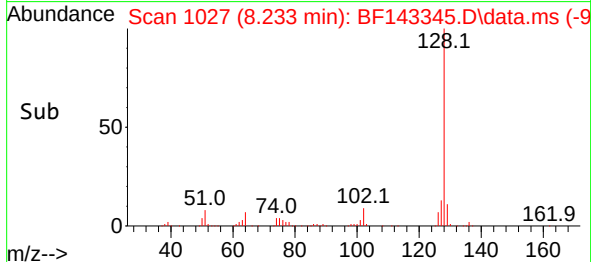
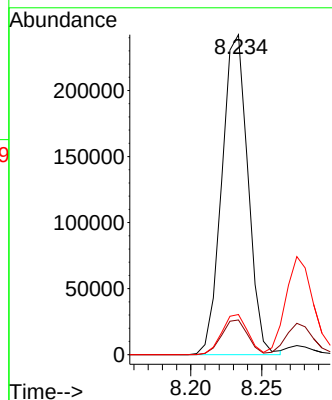
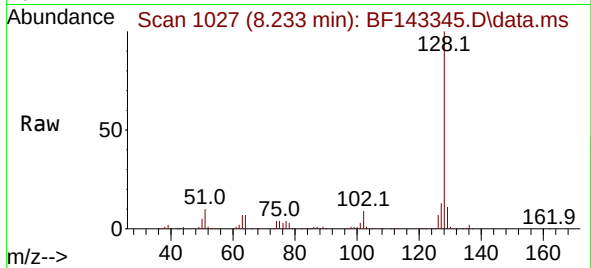




#31
Naphthalene
Concen: 10.634 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

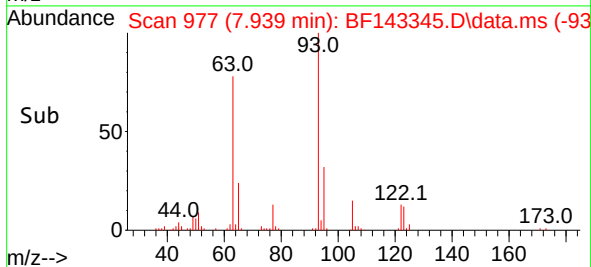
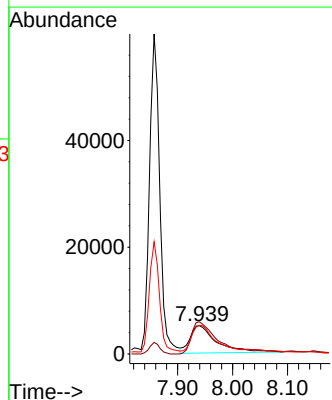
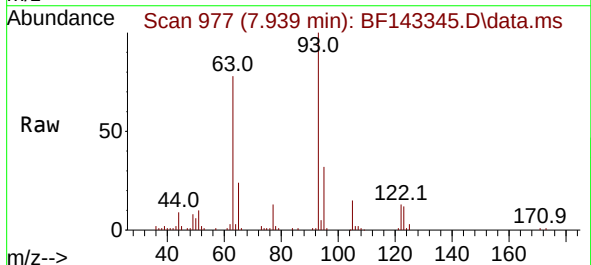
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

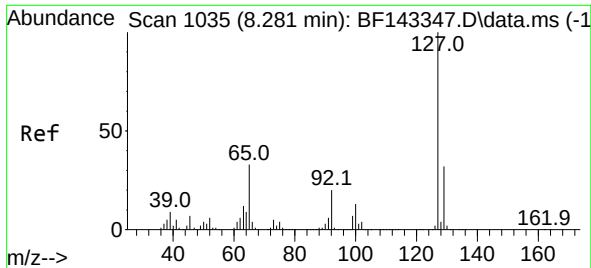
Tgt Ion:128 Resp: 308901
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 12.6 10.7 16.1



#32
Benzoic acid
Concen: 9.156 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.030 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:122 Resp: 17211
Ion Ratio Lower Upper
122 100
105 113.7 106.4 146.4
77 101.1 79.2 119.2

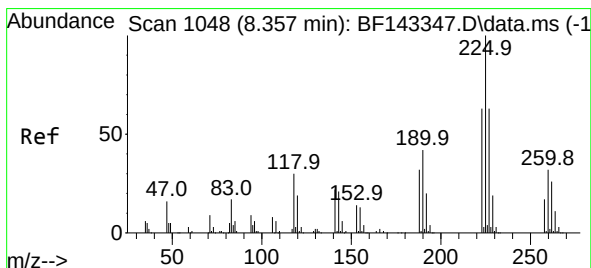
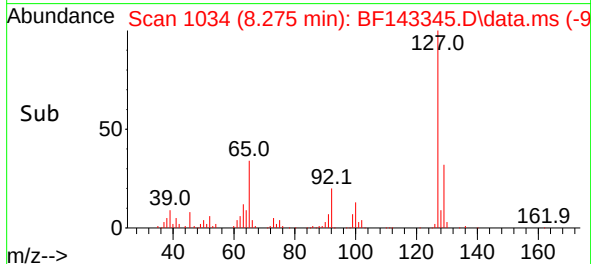
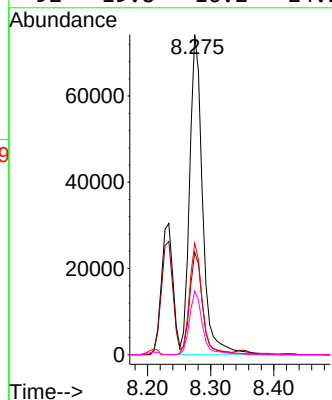
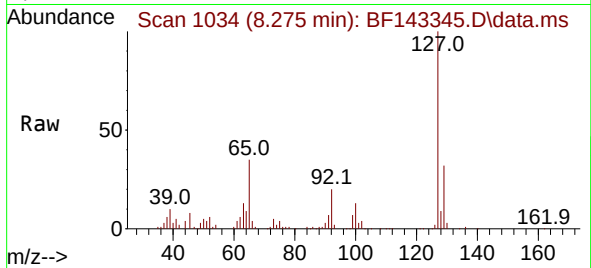




#33
4-Chloroaniline
Concen: 10.079 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

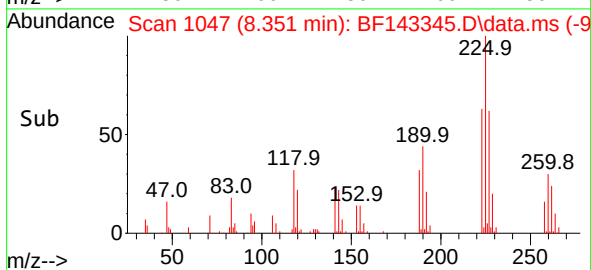
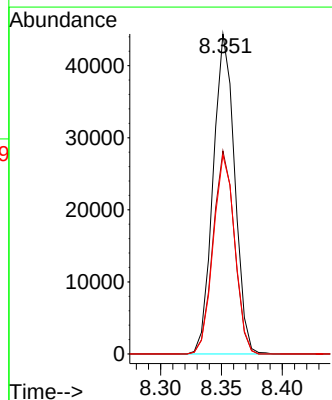
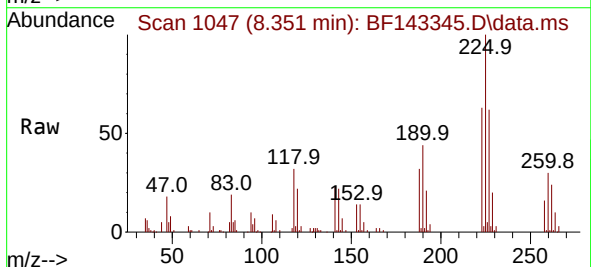
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

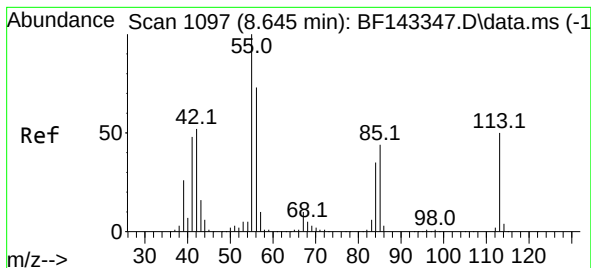
Tgt Ion:	127	Resp:	105601
Ion Ratio	Lower	Upper	
127	100		
129	32.0	26.0	39.0
65	34.8	27.0	40.4
92	19.8	16.2	24.2



#34
Hexachlorobutadiene
Concen: 10.321 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:	225	Resp:	54615
Ion Ratio	Lower	Upper	
225	100		
223	63.5	50.1	75.1
227	62.1	50.6	75.8





#35

Caprolactam

Concen: 8.098 ng

RT: 8.610 min Scan# 1109

Delta R.T. -0.035 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

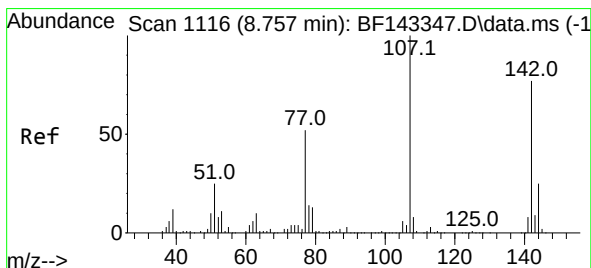
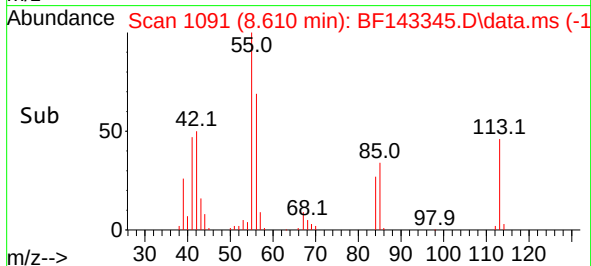
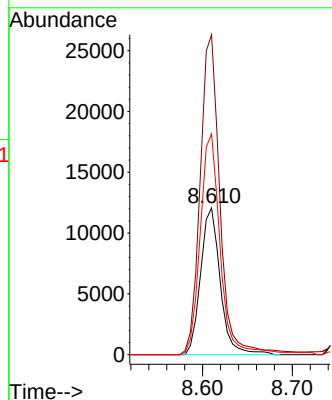
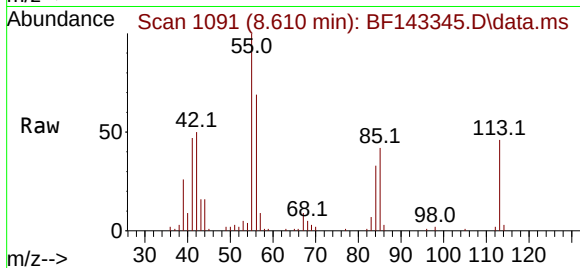
Tgt Ion:113 Resp: 18357

Ion Ratio Lower Upper

113 100

55 218.1 181.4 221.4

56 150.5 127.3 167.3



#36

4-Chloro-3-methylphenol

Concen: 9.780 ng

RT: 8.757 min Scan# 1116

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

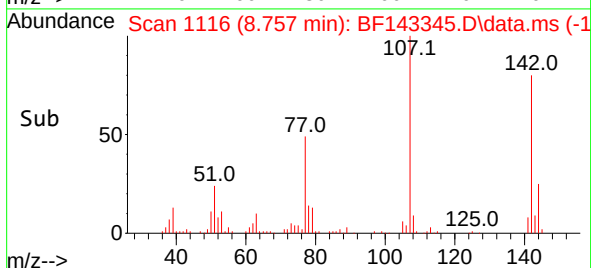
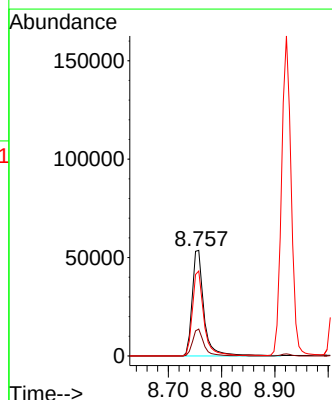
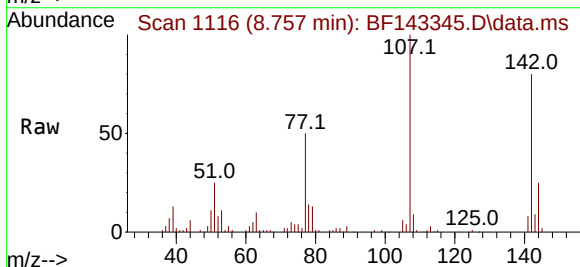
Tgt Ion:107 Resp: 82681

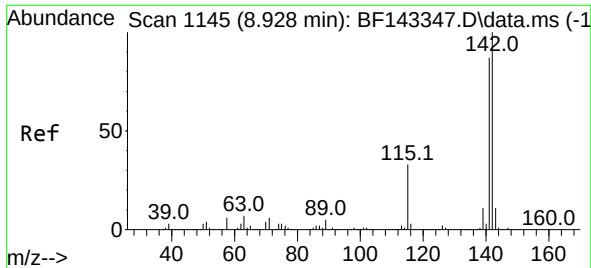
Ion Ratio Lower Upper

107 100

144 25.4 20.0 30.0

142 80.4 61.3 91.9

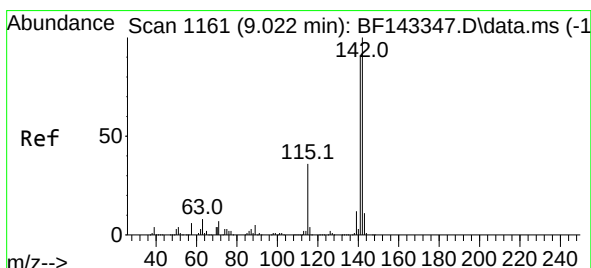
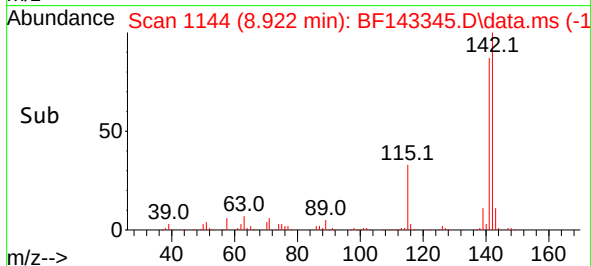
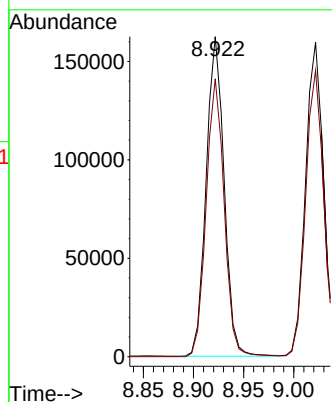
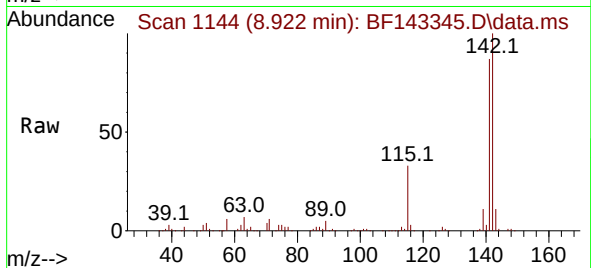




#37
2-Methylnaphthalene
Concen: 10.641 ng
RT: 8.922 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

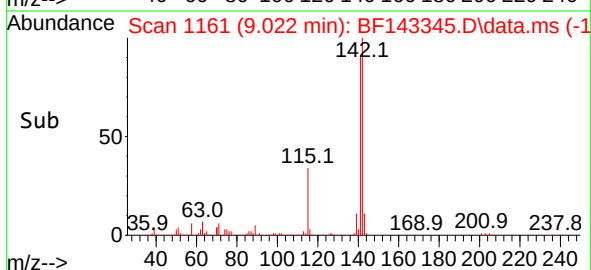
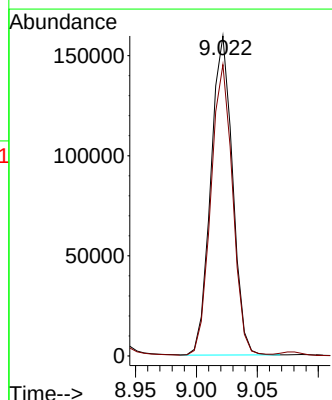
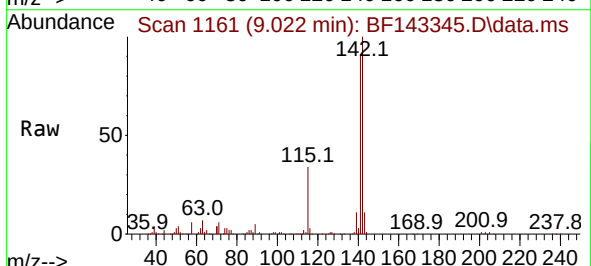
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

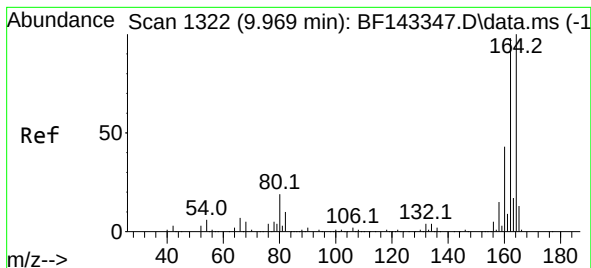
Tgt Ion:142 Resp: 203203
Ion Ratio Lower Upper
142 100
141 86.9 69.8 104.8



#38
1-Methylnaphthalene
Concen: 10.738 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:142 Resp: 197497
Ion Ratio Lower Upper
142 100
141 91.0 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

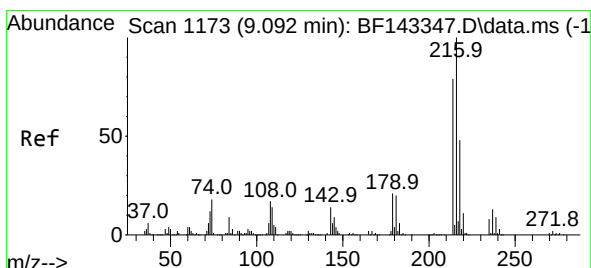
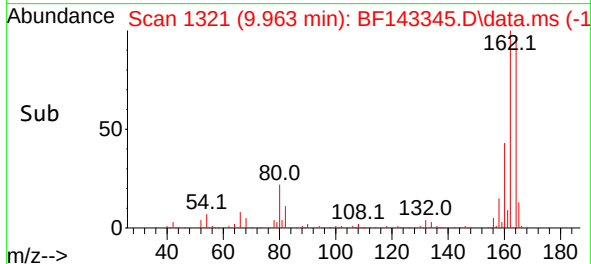
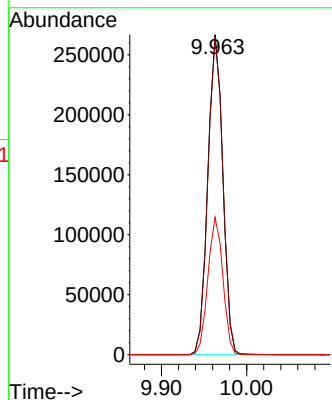
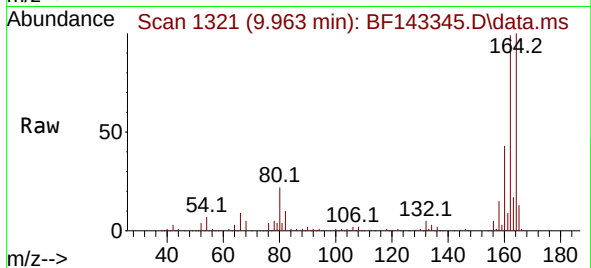
Tgt Ion:164 Resp: 326305

Ion Ratio Lower Upper

164 100

162 99.3 78.6 118.0

160 42.9 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.338 ng

RT: 9.086 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:216 Resp: 92307

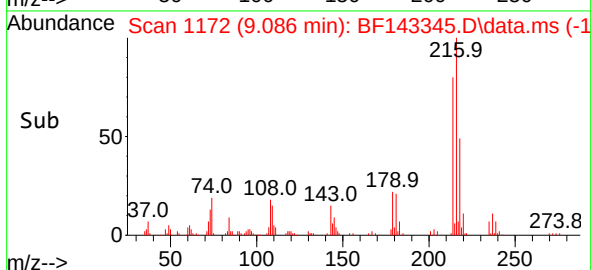
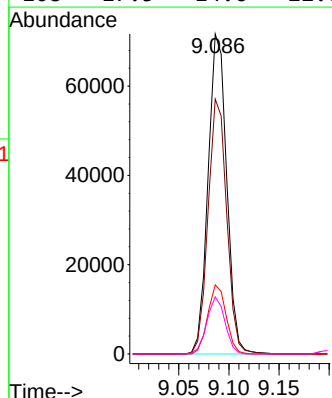
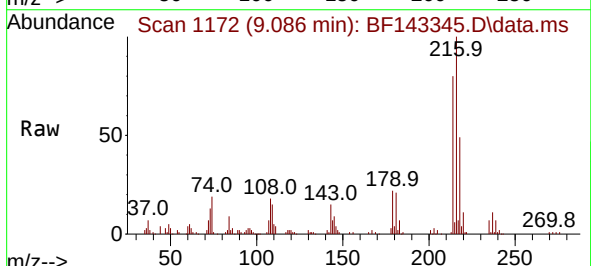
Ion Ratio Lower Upper

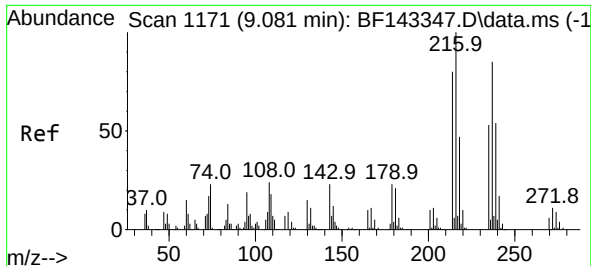
216 100

214 79.7 63.0 94.4

179 21.3 17.0 25.4

108 17.5 14.6 22.0

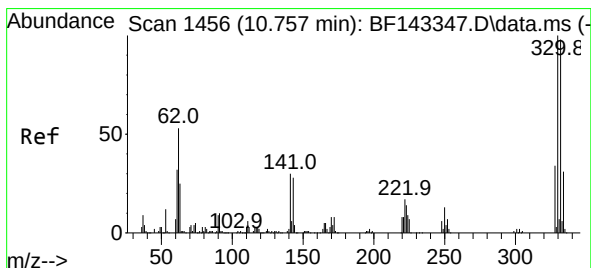
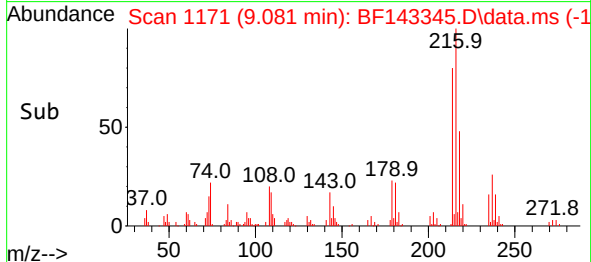
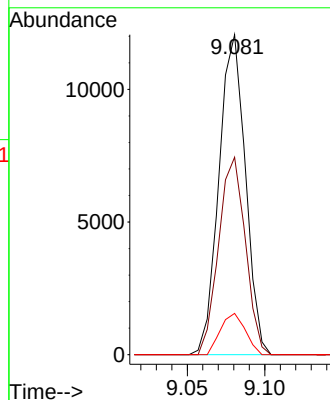
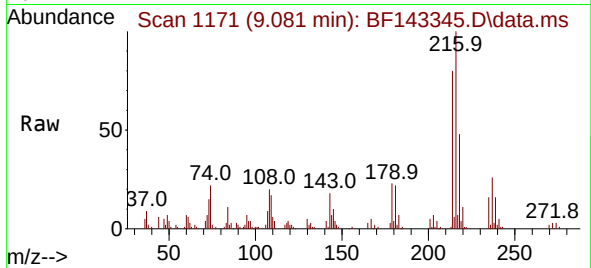




#41
Hexachlorocyclopentadiene
Concen: 10.801 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

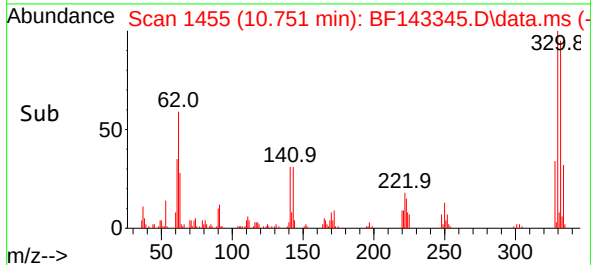
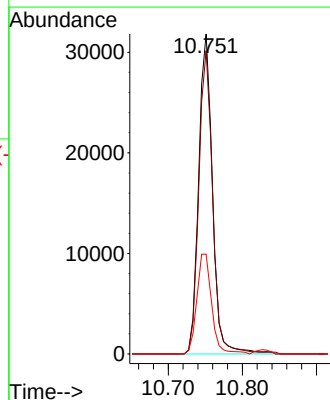
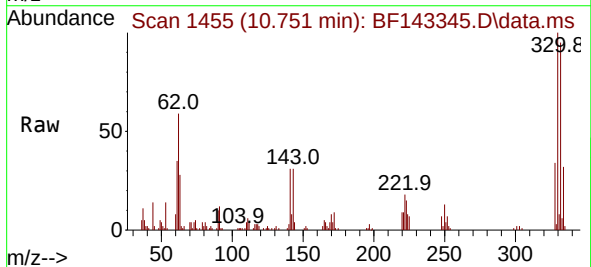
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

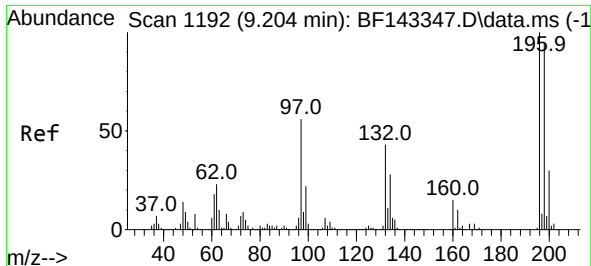
Tgt Ion:	237	Resp:	14343
Ion Ratio	Lower	Upper	
237	100		
235	61.7	42.0	82.0
272	12.9	0.0	32.6



#42
2,4,6-Tribromophenol
Concen: 17.317 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:	330	Resp:	41296
Ion Ratio	Lower	Upper	
330	100		
332	94.7	78.1	117.1
141	33.4	25.4	38.0





#43

2,4,6-Trichlorophenol

Concen: 8.769 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

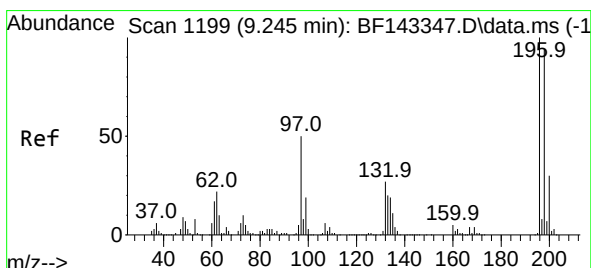
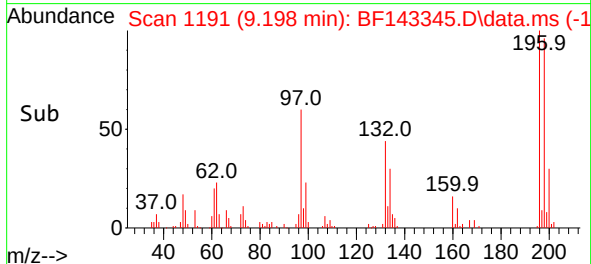
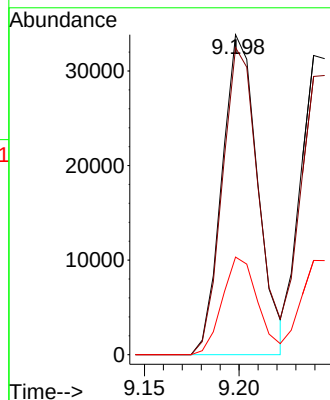
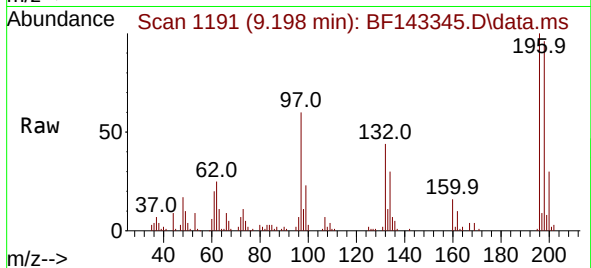
Tgt Ion:196 Resp: 44424

Ion Ratio Lower Upper

196 100

198 96.0 75.4 113.0

200 30.5 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 8.786 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Tgt Ion:196 Resp: 50263

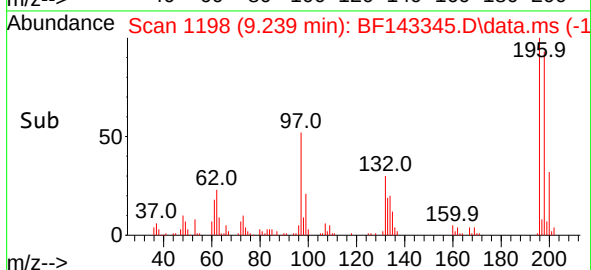
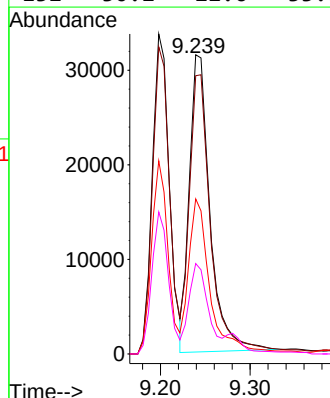
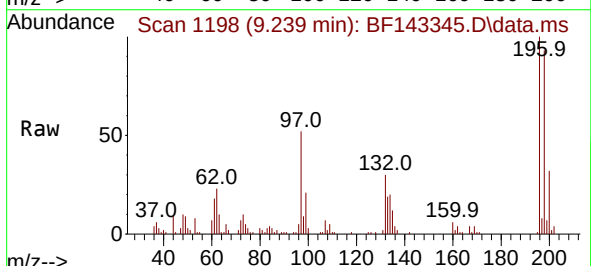
Ion Ratio Lower Upper

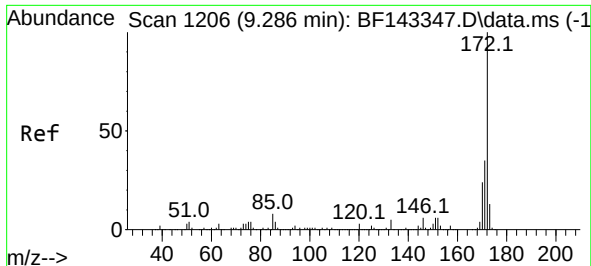
196 100

198 93.0 75.4 113.2

97 51.8 39.9 59.9

132 30.2 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 22.583 ng

RT: 9.280 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

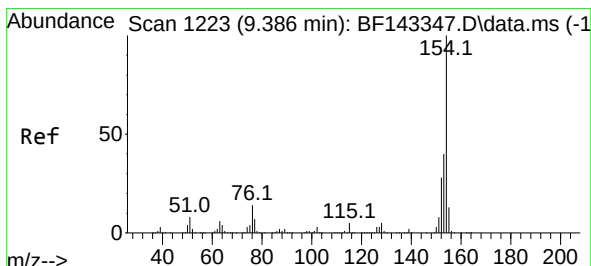
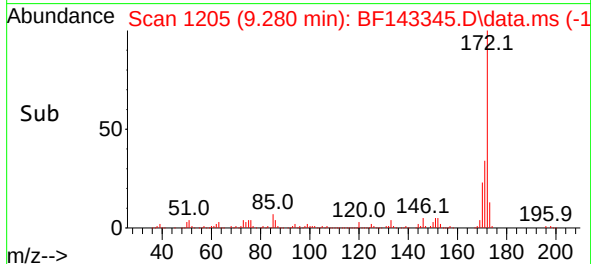
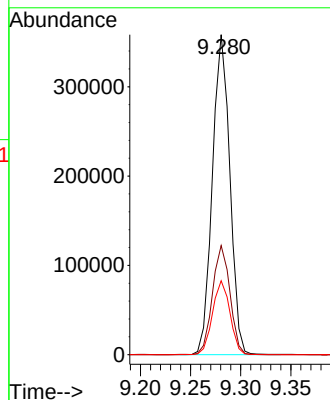
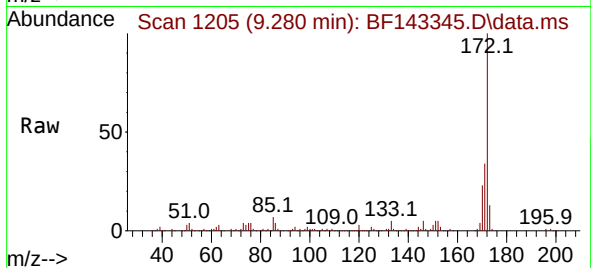
Tgt Ion:172 Resp: 434554

Ion Ratio Lower Upper

172 100

171 34.1 28.4 42.6

170 23.1 19.1 28.7



#46

1,1'-Biphenyl

Concen: 10.647 ng

RT: 9.380 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

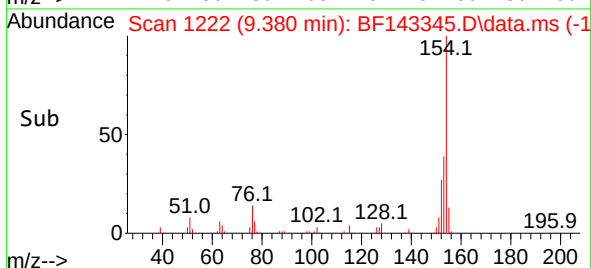
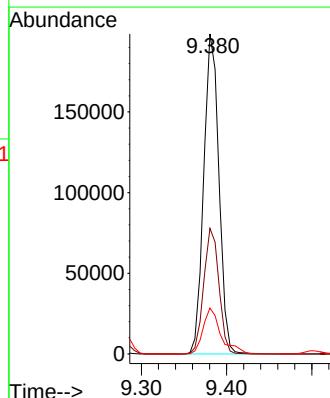
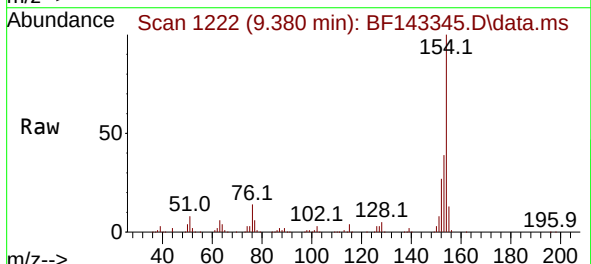
Tgt Ion:154 Resp: 245641

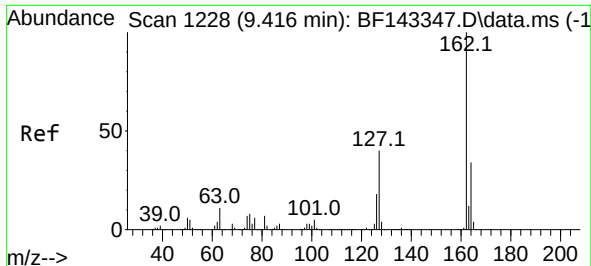
Ion Ratio Lower Upper

154 100

153 39.3 20.2 60.2

76 14.4 0.0 34.4





#47

2-Chloronaphthalene

Concen: 10.556 ng

RT: 9.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

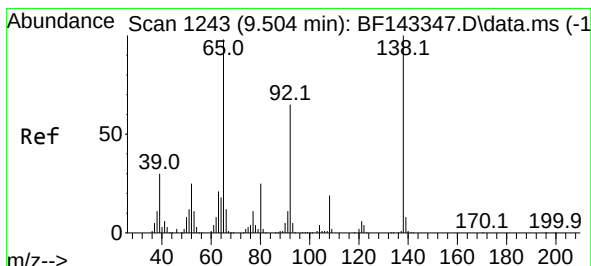
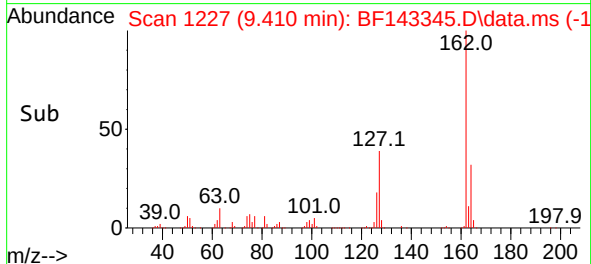
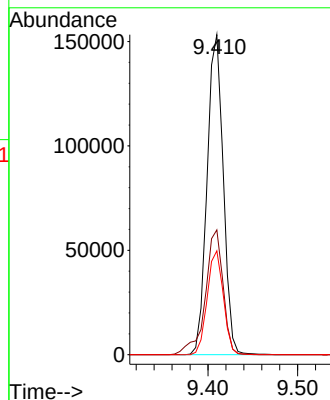
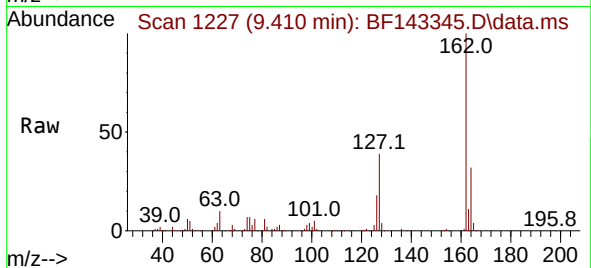
Tgt Ion:162 Resp: 191809

Ion Ratio Lower Upper

162 100

127 39.0 32.1 48.1

164 32.5 27.0 40.4



#48

2-Nitroaniline

Concen: 9.319 ng

RT: 9.498 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

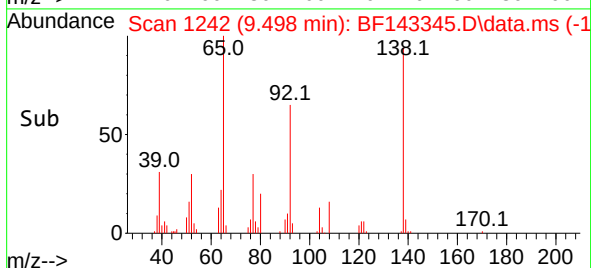
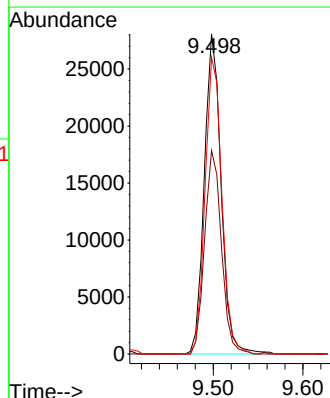
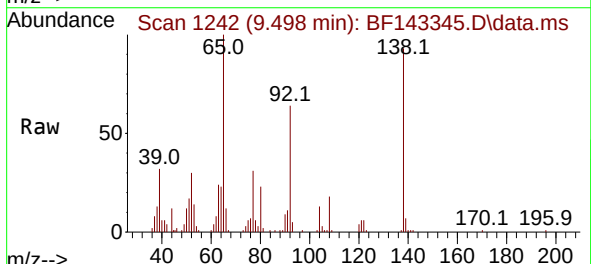
Tgt Ion: 65 Resp: 36444

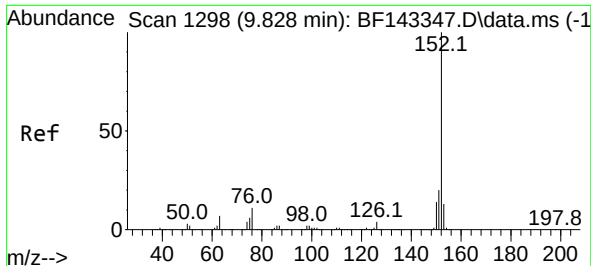
Ion Ratio Lower Upper

65 100

92 63.6 53.1 79.7

138 92.7 81.4 122.0

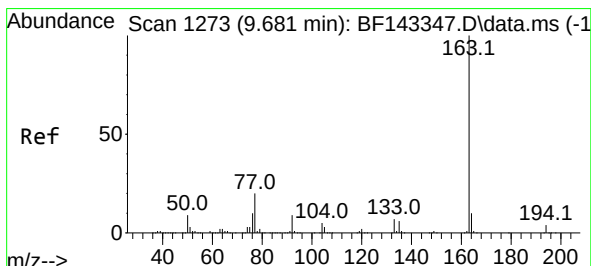
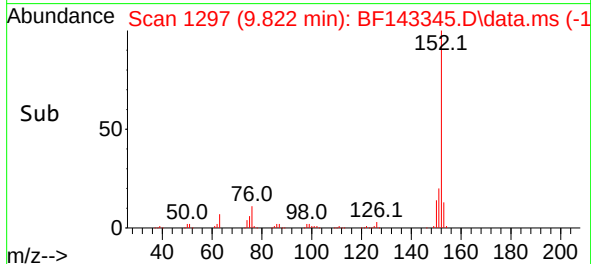
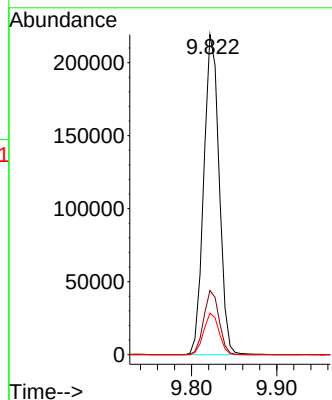
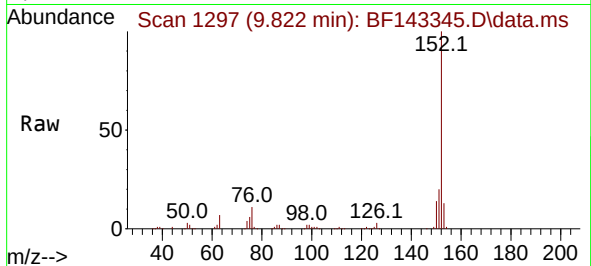




#49
Acenaphthylene
Concen: 10.459 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

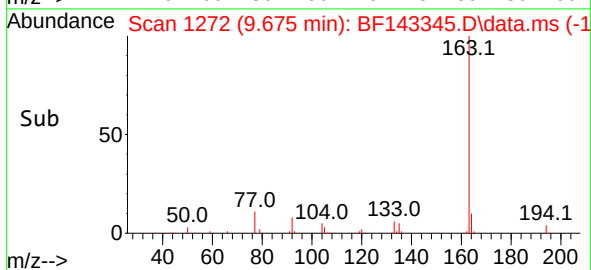
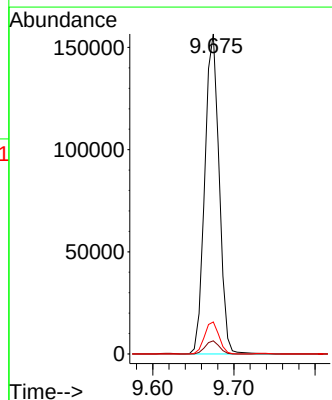
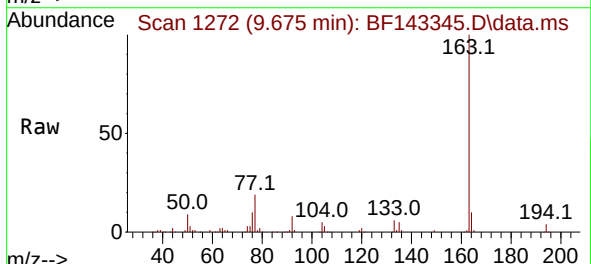
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

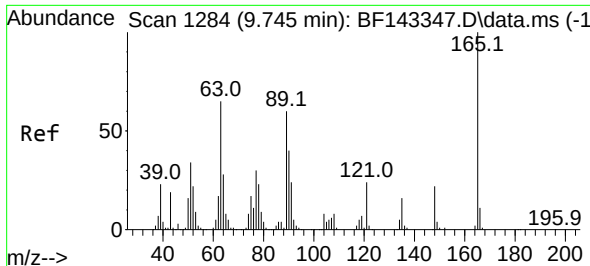
Tgt Ion:152 Resp: 274441
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.0 10.6 16.0



#50
Dimethylphthalate
Concen: 10.081 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:163 Resp: 192210
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.0 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 9.205 ng

RT: 9.733 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

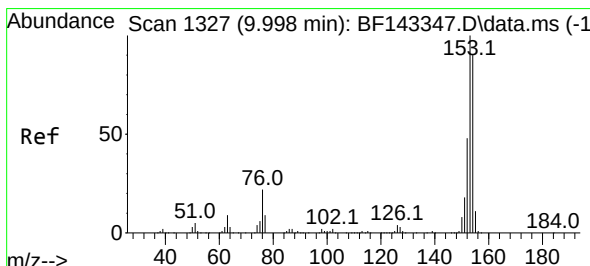
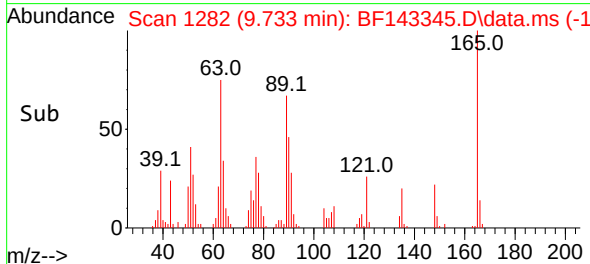
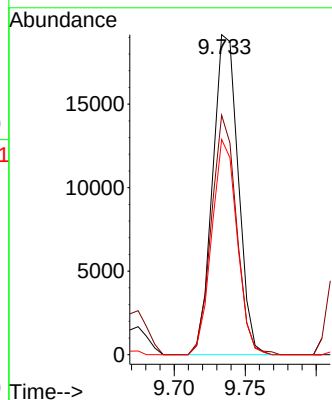
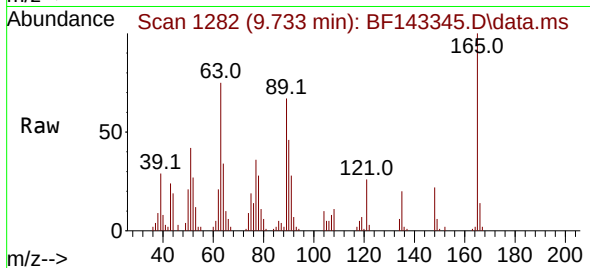
Tgt Ion:165 Resp: 24005

Ion Ratio Lower Upper

165 100

63 74.8 51.6 77.4

89 67.3 47.7 71.5



#52

Acenaphthene

Concen: 10.543 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

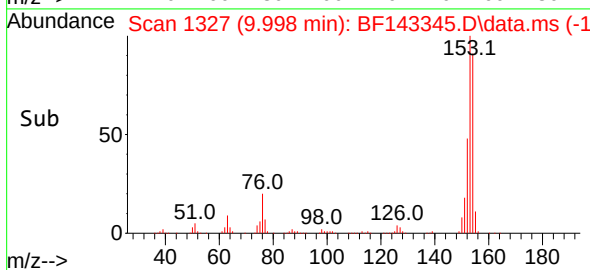
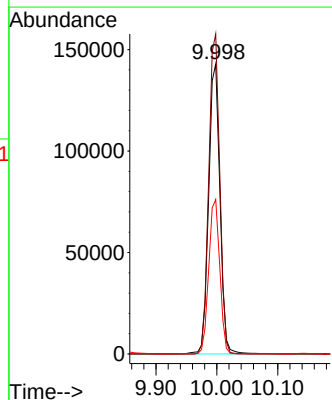
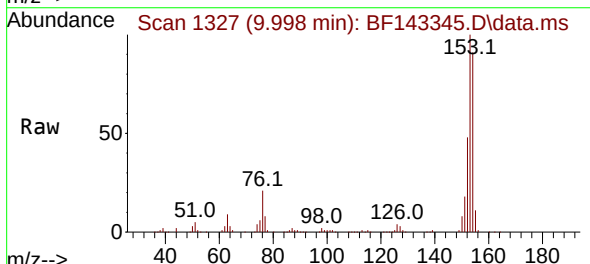
Tgt Ion:154 Resp: 183915

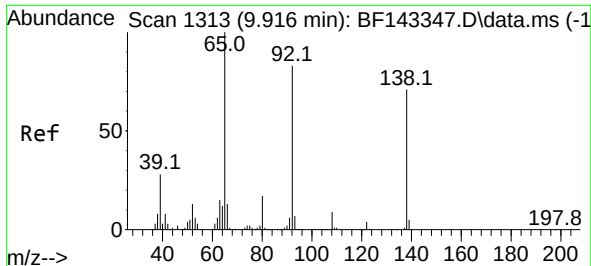
Ion Ratio Lower Upper

154 100

153 110.3 88.5 132.7

152 53.3 42.4 63.6

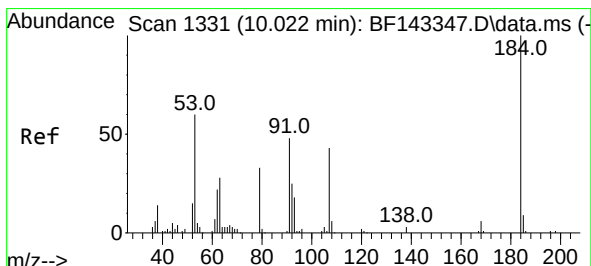
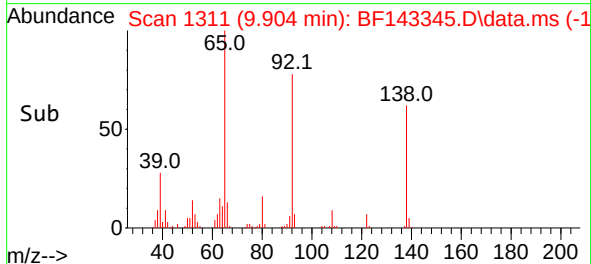
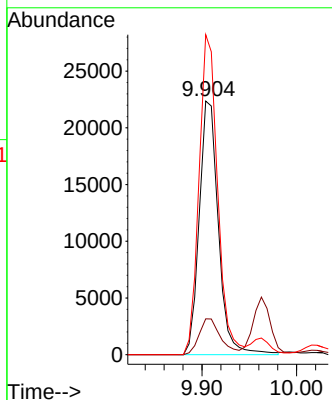
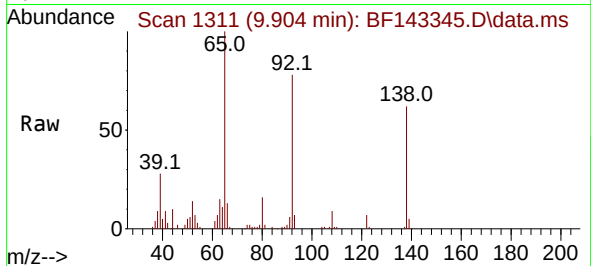




#53
3-Nitroaniline
Concen: 8.069 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

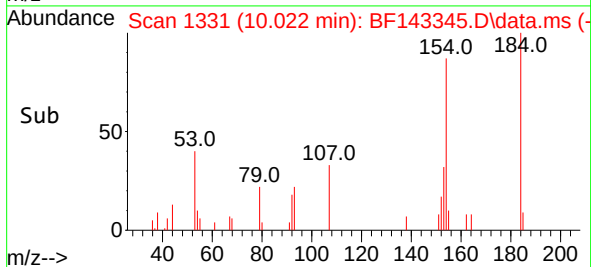
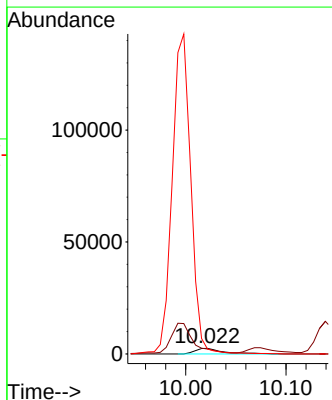
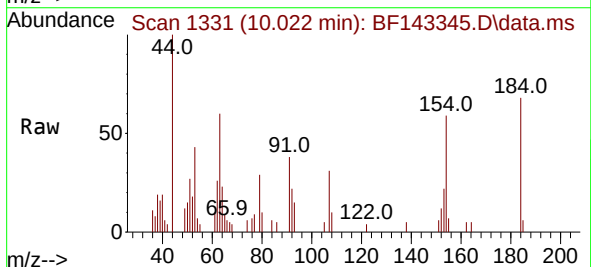
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

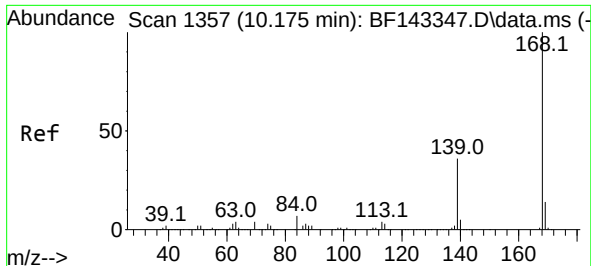
Tgt Ion:138 Resp: 31507
Ion Ratio Lower Upper
138 100
108 14.1 9.6 14.4
92 126.2 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 10.356 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:184 Resp: 4834
Ion Ratio Lower Upper
184 100
63 88.5 62.5 93.7
154 87.3 73.0 109.4

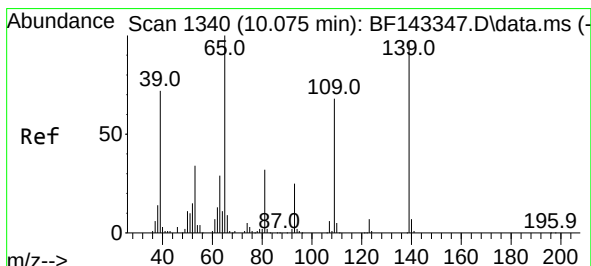
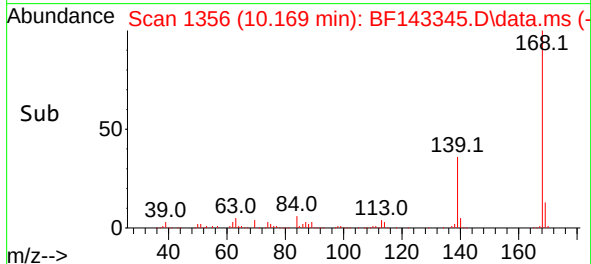
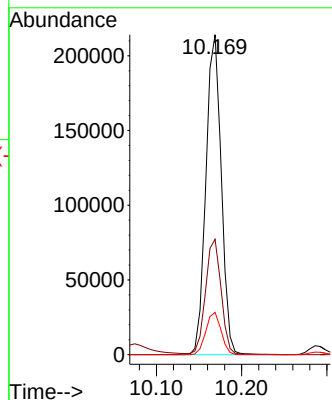
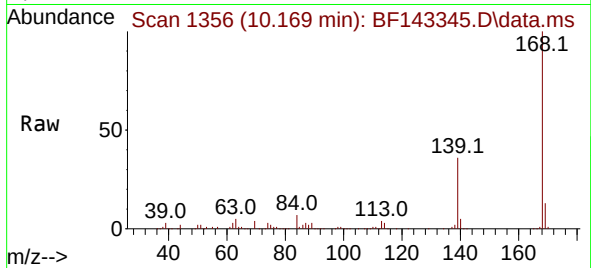




#55
Dibenzofuran
Concen: 10.660 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

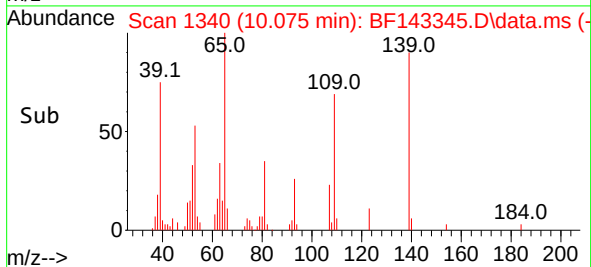
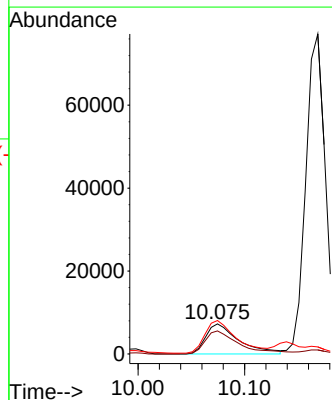
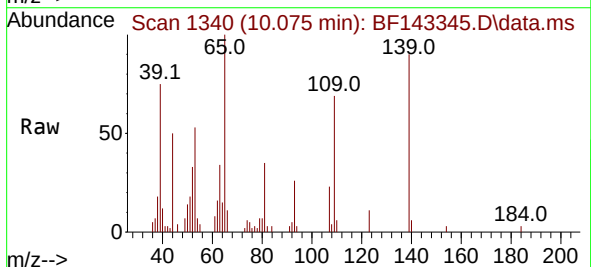
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

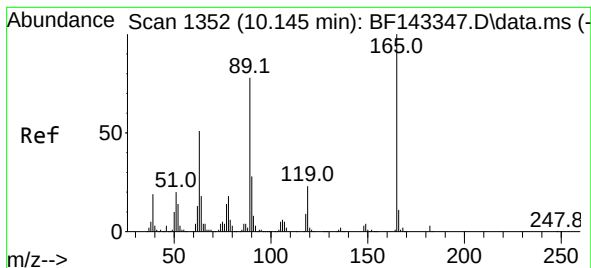
Tgt Ion:168 Resp: 267653
Ion Ratio Lower Upper
168 100
139 36.0 29.4 44.0
169 13.2 11.0 16.6



#56
4-Nitrophenol
Concen: 10.166 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:139 Resp: 15708
Ion Ratio Lower Upper
139 100
109 76.4 49.4 89.4
65 111.1 83.7 123.7

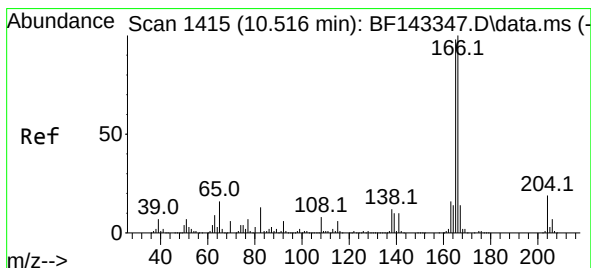
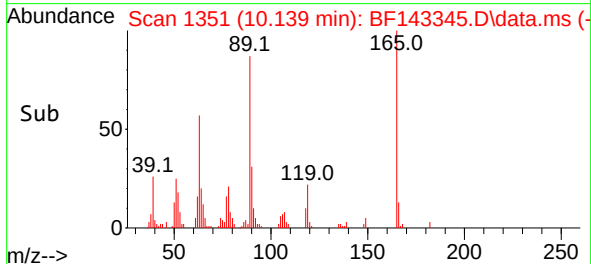
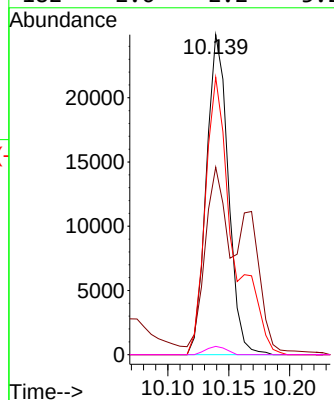
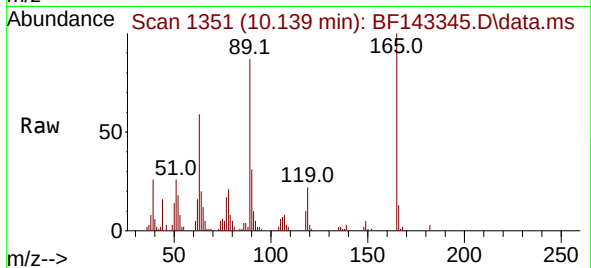




#57
2,4-Dinitrotoluene
Concen: 9.126 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

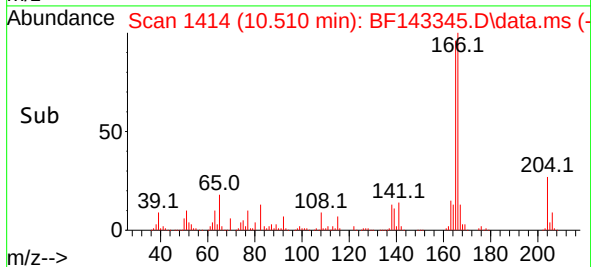
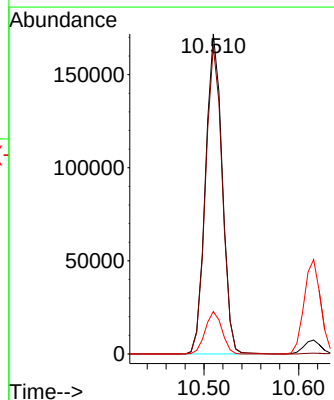
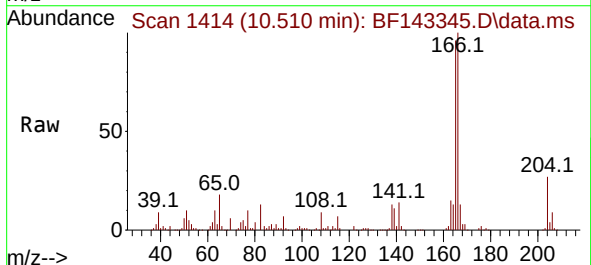
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

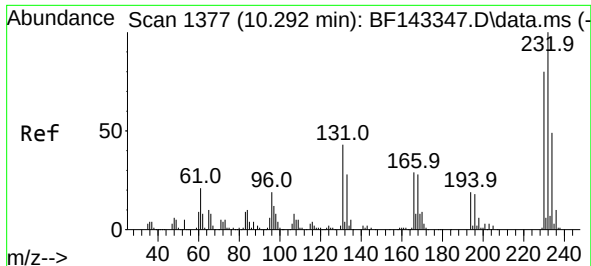
Tgt Ion:165	Resp:	31226
Ion Ratio	Lower	Upper
165	100	
63	58.6	41.8 62.8
89	86.7	62.4 93.6
182	2.6	2.2 3.2



#58
Fluorene
Concen: 10.959 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

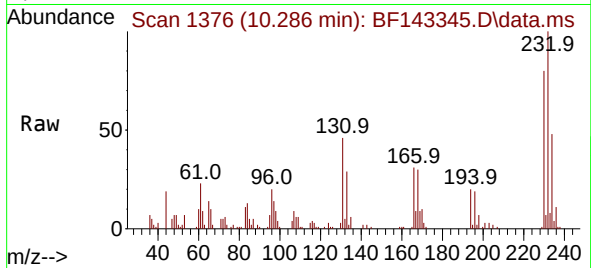
Tgt Ion:166	Resp:	210161
Ion Ratio	Lower	Upper
166	100	
165	96.1	78.2 117.4
167	13.3	10.9 16.3



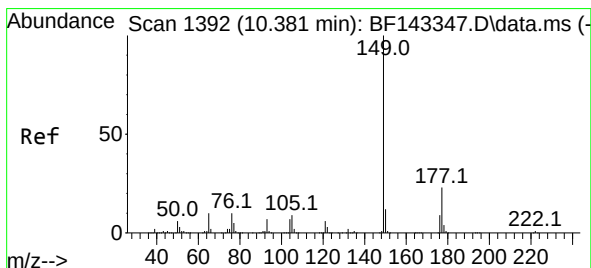
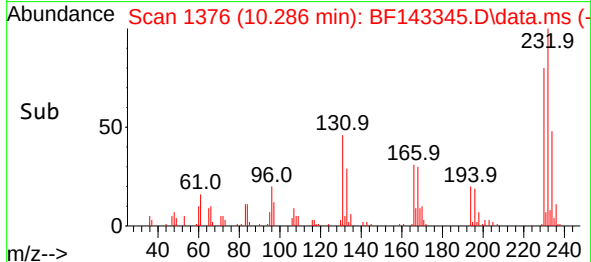
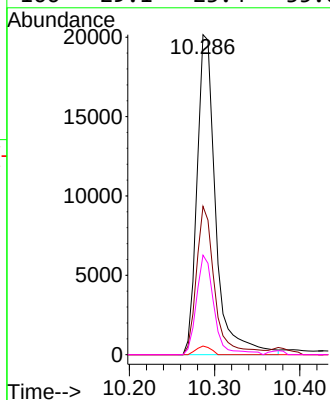


#59
2,3,4,6-Tetrachlorophenol
Concen: 7.955 ng
RT: 10.286 min Scan# 1376
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDIC010

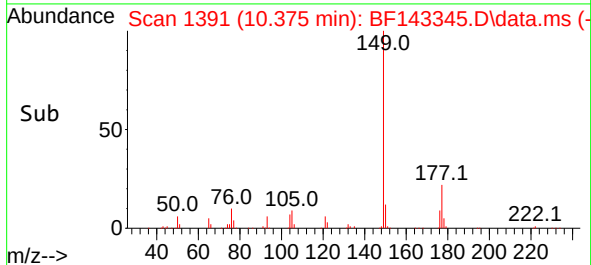
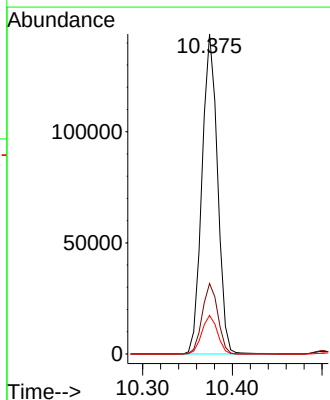
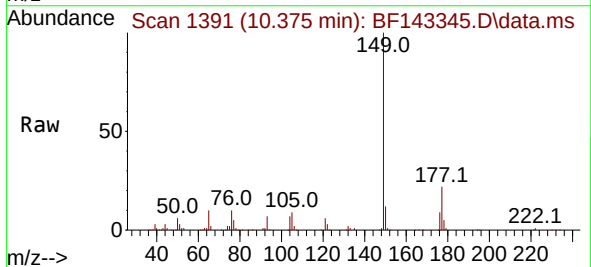


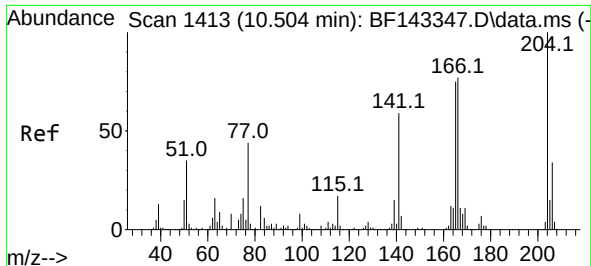
Tgt Ion:232 Resp: 30681
Ion Ratio Lower Upper
232 100
131 45.6 34.6 51.8
130 2.1 1.7 2.5
166 29.1 23.4 35.0



#60
Diethylphthalate
Concen: 10.137 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 173119
Ion Ratio Lower Upper
149 100
177 22.0 18.2 27.2
150 12.0 9.9 14.9

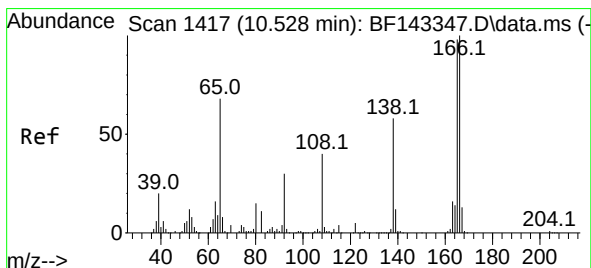
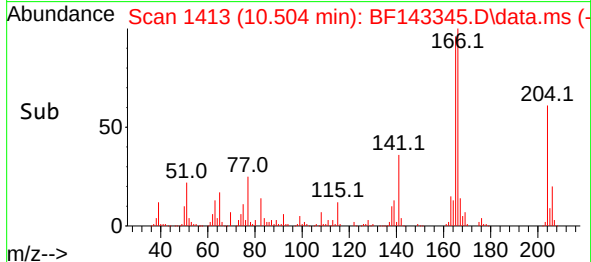
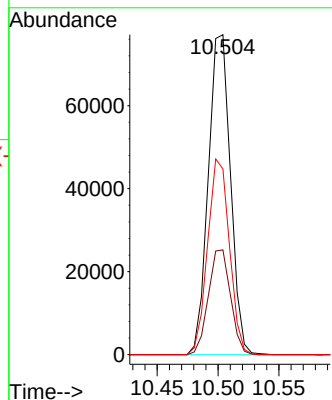
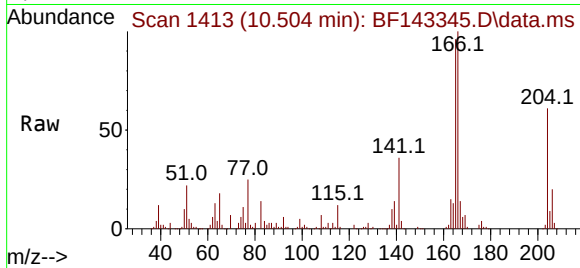




#61
4-Chlorophenyl-phenylether
Concen: 10.575 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

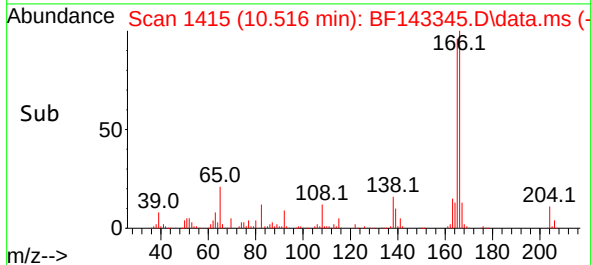
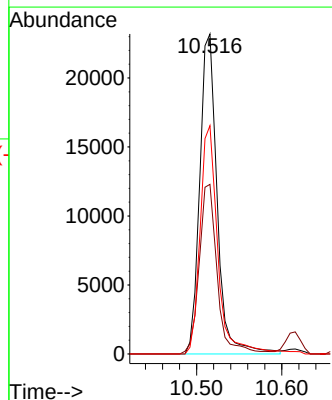
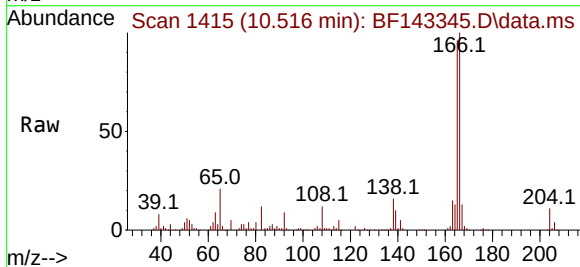
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

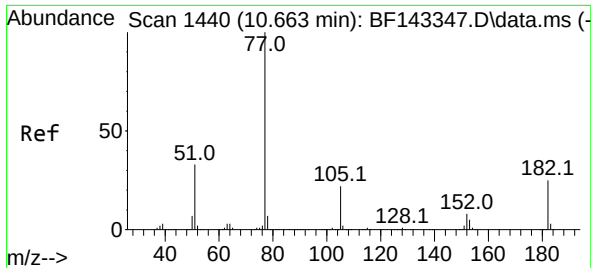
Tgt Ion:204 Resp: 97989
Ion Ratio Lower Upper
204 100
206 32.7 27.4 41.2
141 58.0 46.9 70.3



#62
4-Nitroaniline
Concen: 8.714 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:138 Resp: 32919
Ion Ratio Lower Upper
138 100
92 53.0 31.2 71.2
108 71.4 48.1 88.1

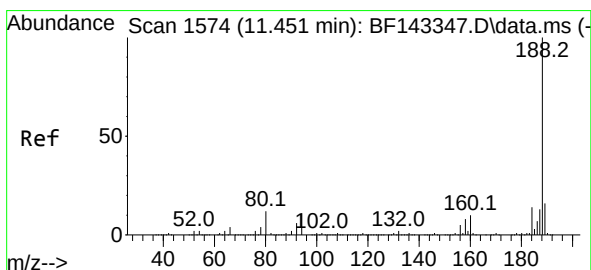
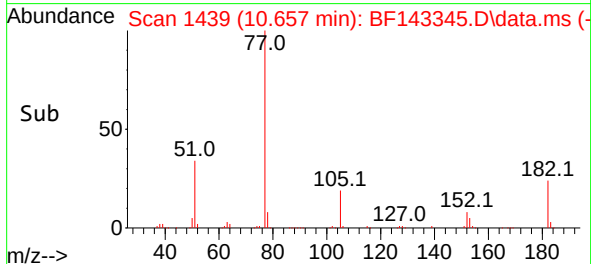
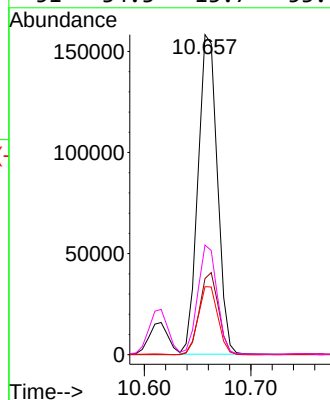
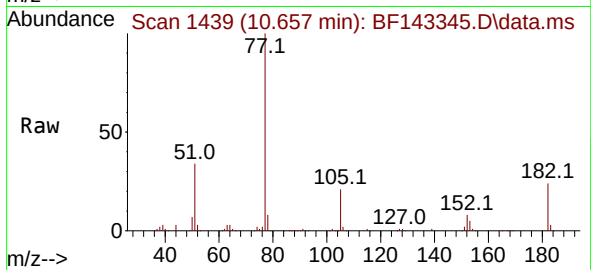




#63
Azobenzene
Concen: 10.272 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

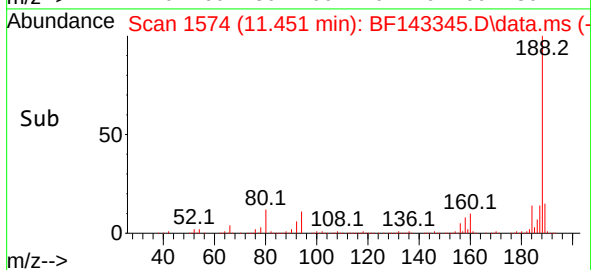
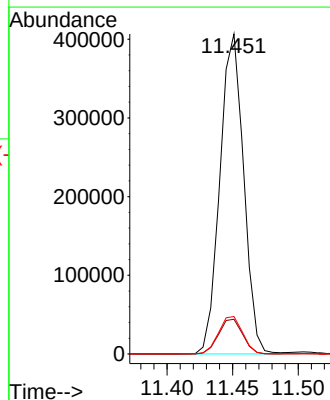
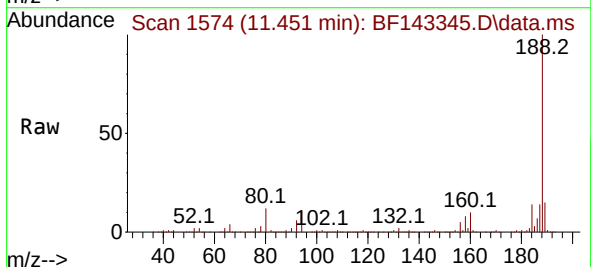
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

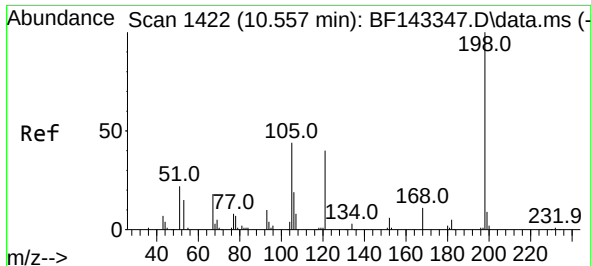
Tgt Ion: 77	Resp: 200367
Ion Ratio	Lower Upper
77 100	
182 23.8	4.4 44.4
105 21.3	1.8 41.8
51 34.3	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:188	Resp: 511556
Ion Ratio	Lower Upper
188 100	
94 10.8	8.8 13.2
80 11.7	9.7 14.5

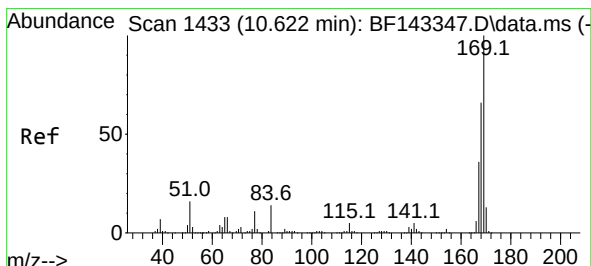
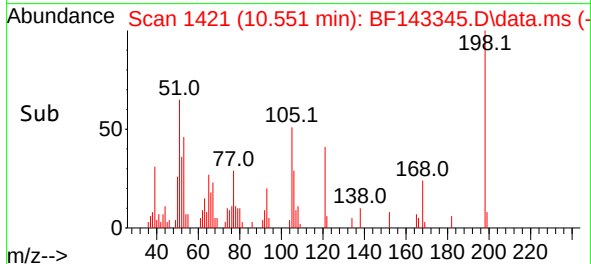
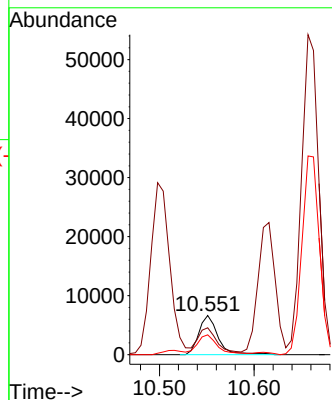
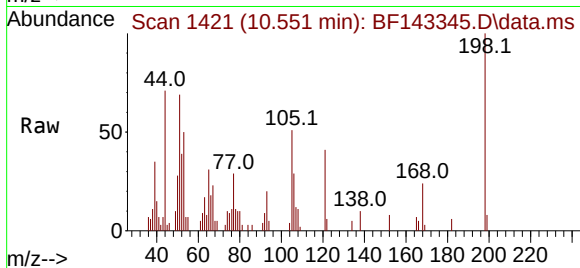




#65
4,6-Dinitro-2-methylphenol
Concen: 11.085 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

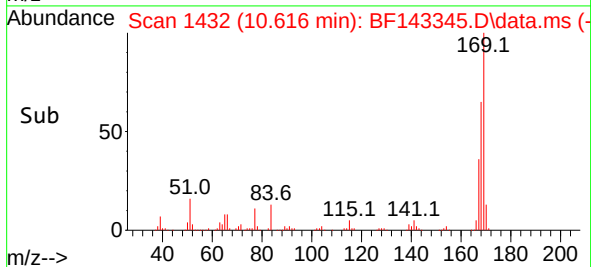
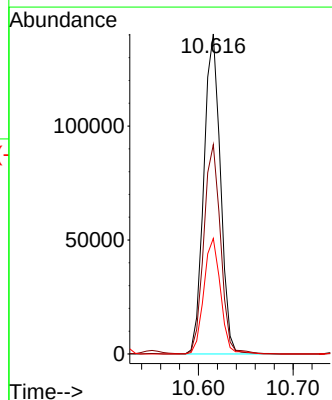
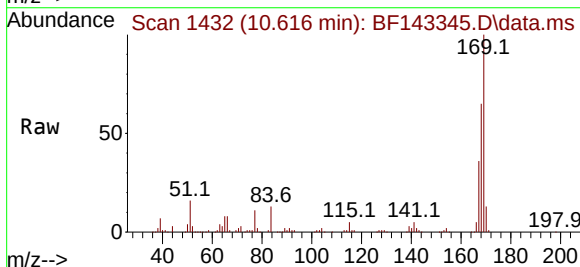
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

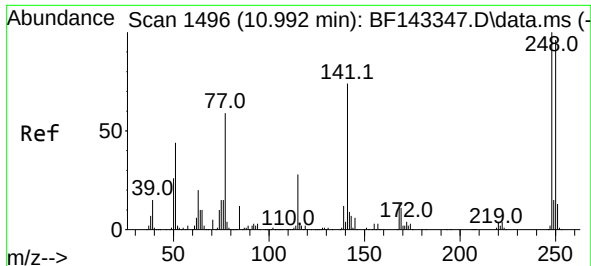
Tgt Ion:198 Resp: 9325
Ion Ratio Lower Upper
198 100
51 68.6 41.7 81.7
105 50.8 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 10.169 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:169 Resp: 171289
Ion Ratio Lower Upper
169 100
168 65.4 52.7 79.1
167 36.1 28.6 42.8

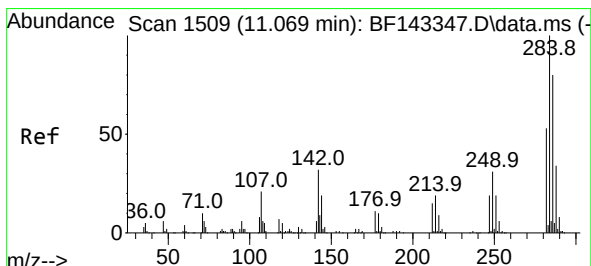
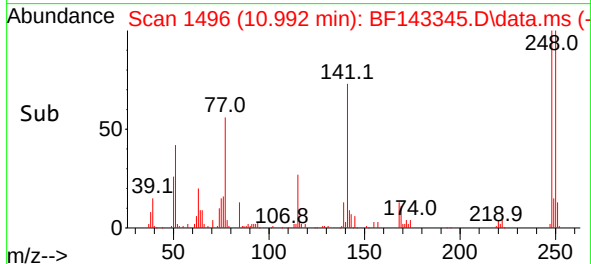
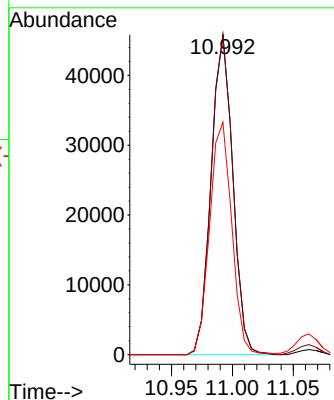
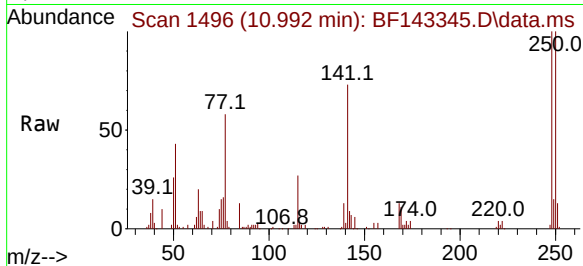




#67
4-Bromophenyl-phenylether
Concen: 9.712 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

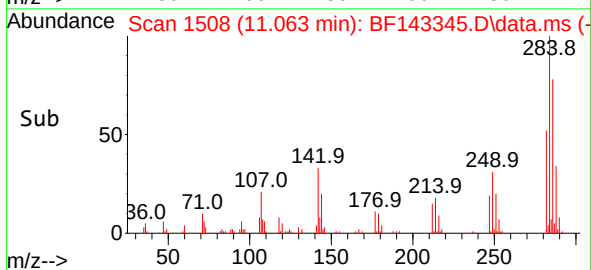
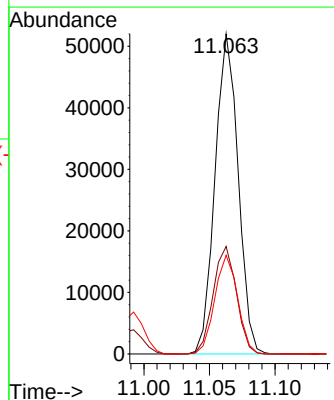
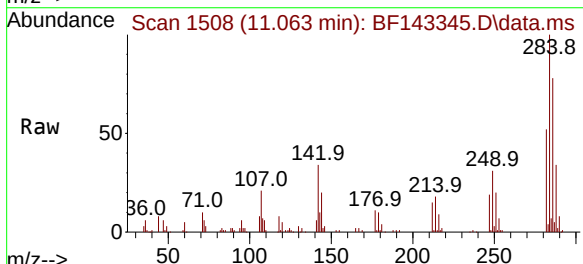
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

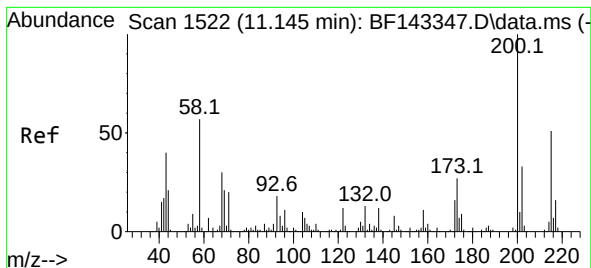
Tgt Ion:248 Resp: 56818
Ion Ratio Lower Upper
248 100
250 99.7 77.1 115.7
141 72.6 59.1 88.7



#68
Hexachlorobenzene
Concen: 10.091 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:284 Resp: 63639
Ion Ratio Lower Upper
284 100
142 33.6 25.7 38.5
249 30.9 24.6 37.0





#69

Atrazine

Concen: 9.133 ng

RT: 11.139 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

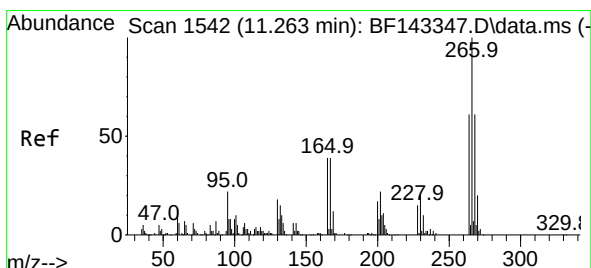
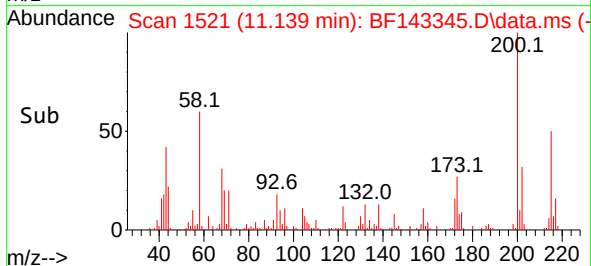
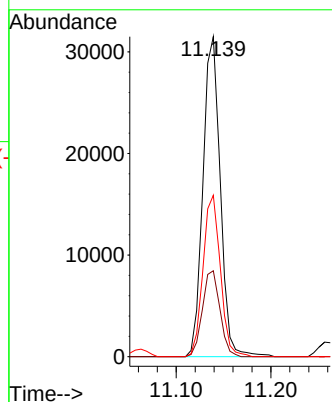
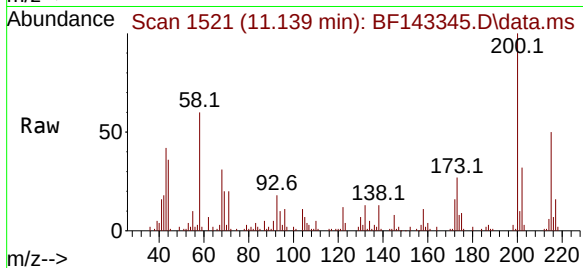
Tgt Ion:200 Resp: 40124

Ion Ratio Lower Upper

200 100

173 26.8 6.6 46.6

215 50.5 30.6 70.6



#70

Pentachlorophenol

Concen: 10.407 ng

RT: 11.257 min Scan# 1541

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

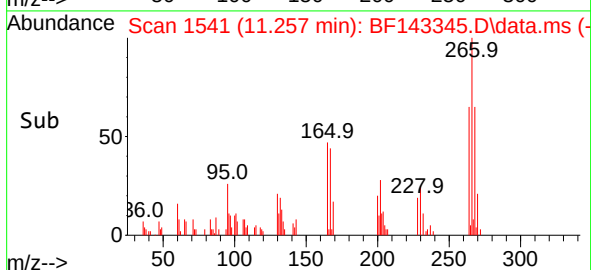
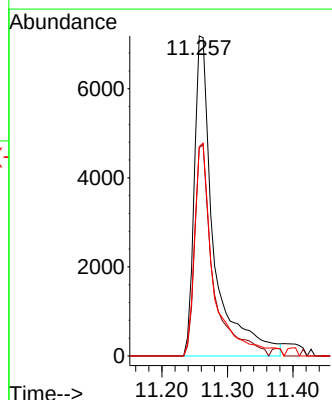
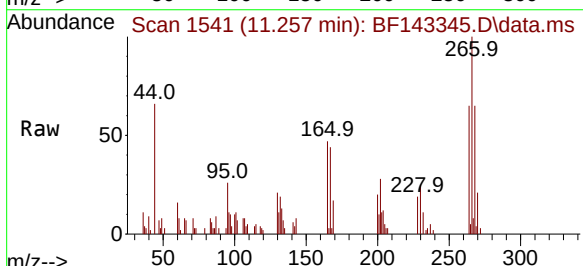
Tgt Ion:266 Resp: 14951

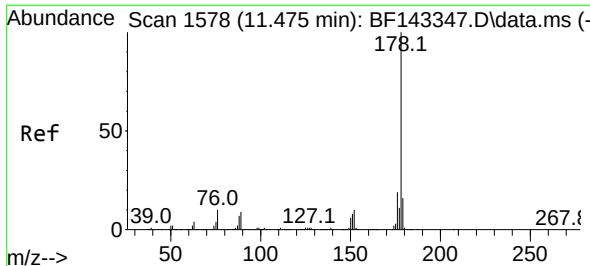
Ion Ratio Lower Upper

266 100

268 65.0 48.8 73.2

264 65.4 48.8 73.2

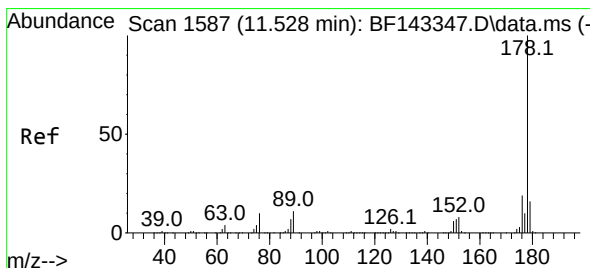
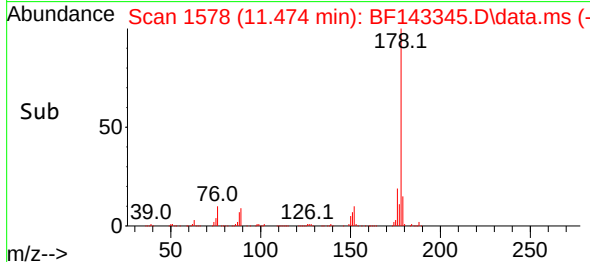
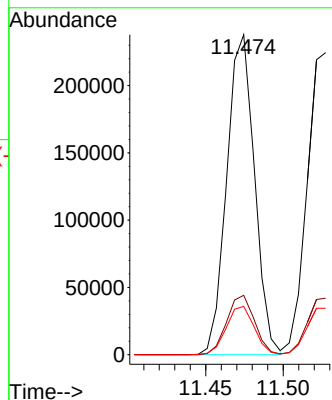
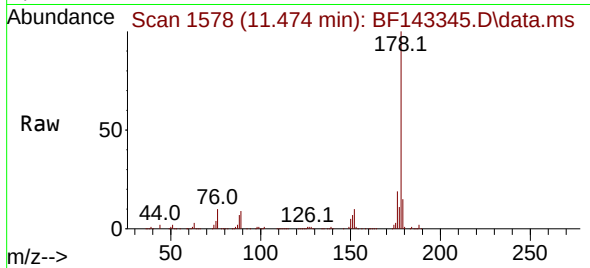




#71
Phenanthrene
Concen: 10.620 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

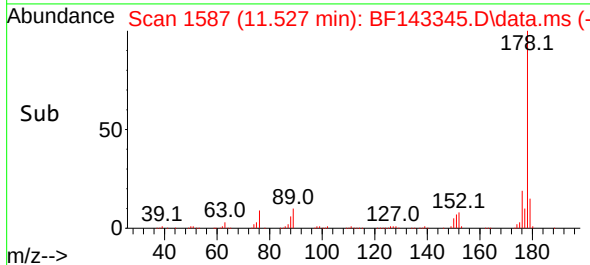
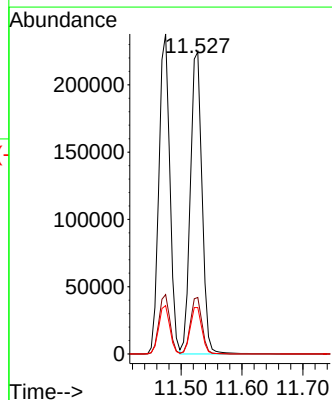
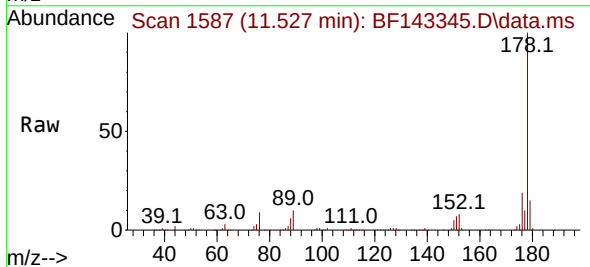
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

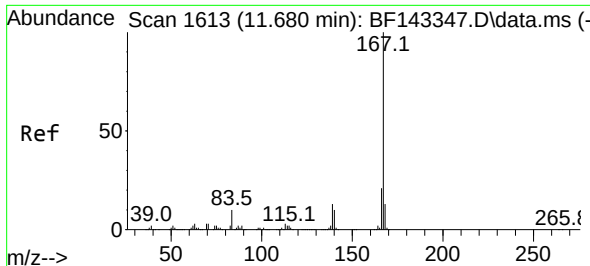
Tgt Ion:178 Resp: 296410
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.1 12.5 18.7



#72
Anthracene
Concen: 10.559 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:178 Resp: 298872
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.4 12.7 19.1

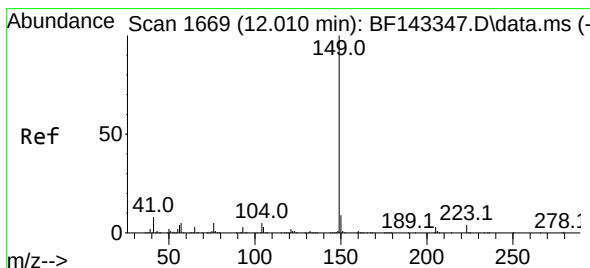
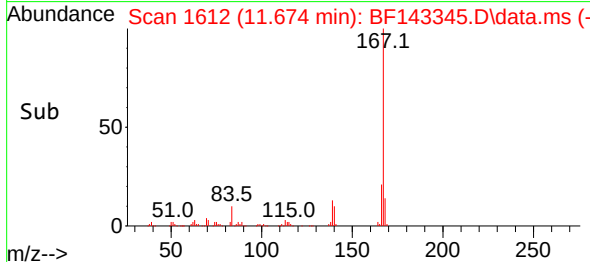
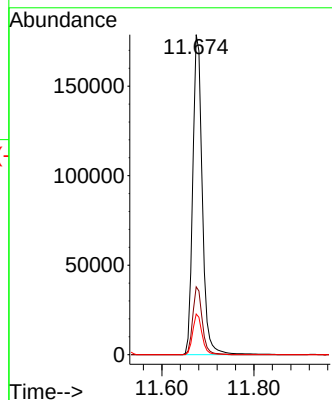
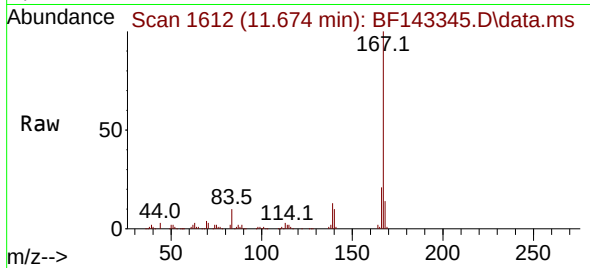




#73
Carbazole
Concen: 10.613 ng
RT: 11.674 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

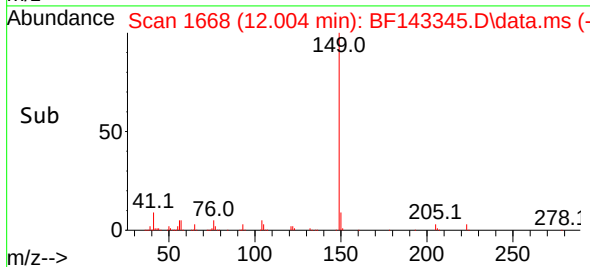
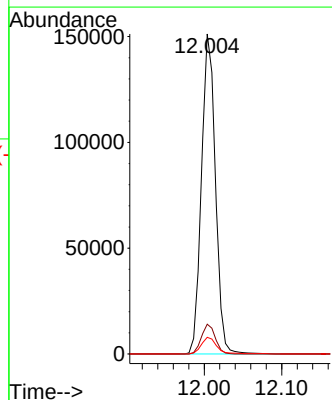
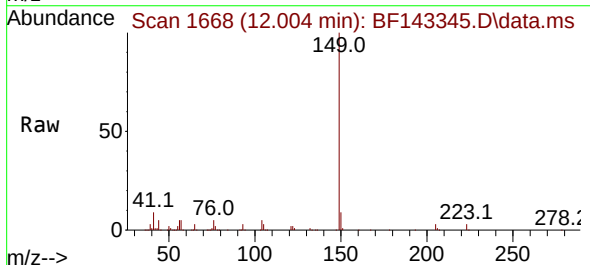
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

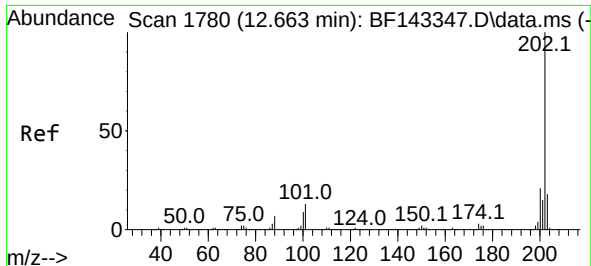
Tgt Ion:	167	Resp:	255831
Ion Ratio	Lower	Upper	
167	100		
166	21.2	16.8	25.2
139	12.7	10.2	15.2



#74
Di-n-butylphthalate
Concen: 9.269 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:	149	Resp:	189069
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.4	11.0
104	5.2	3.8	5.8

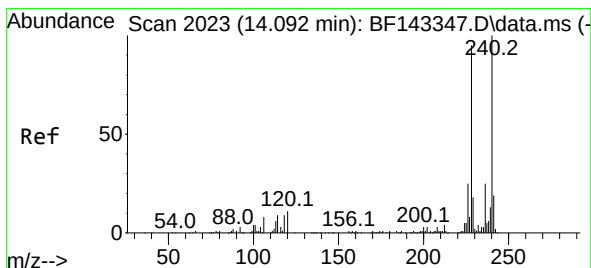
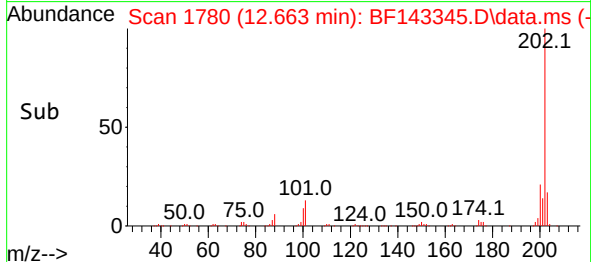
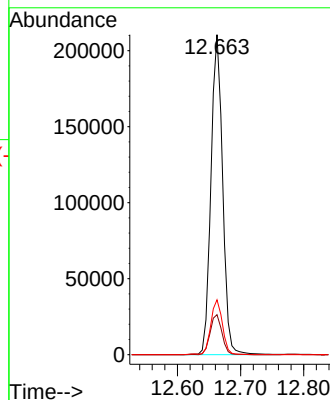
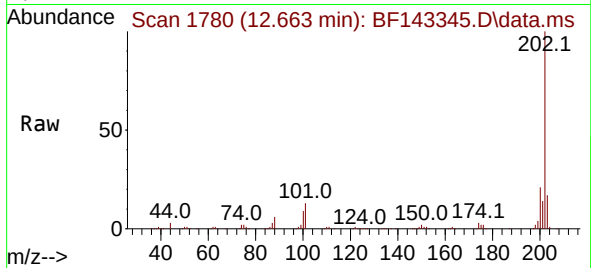




#75
Fluoranthene
Concen: 11.026 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

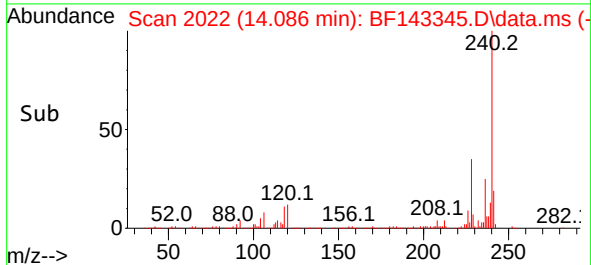
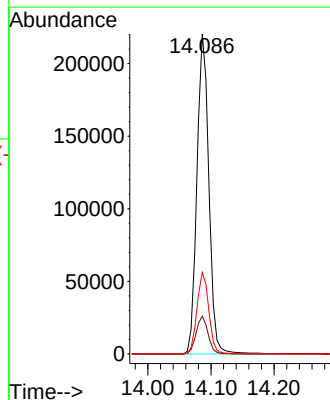
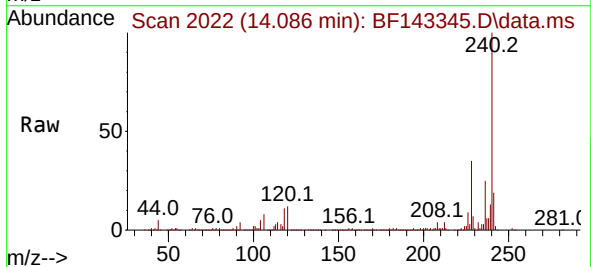
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

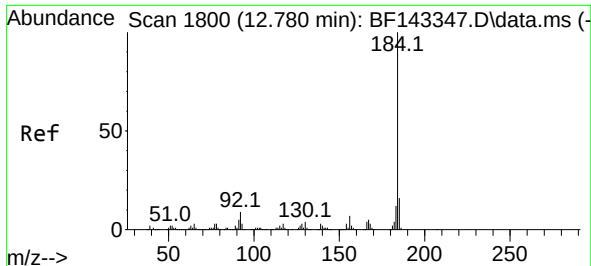
Tgt Ion:202 Resp: 269569
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
203 17.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:240 Resp: 288804
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.6
236 25.5 19.9 29.9

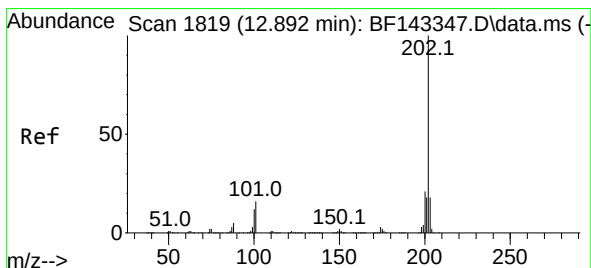
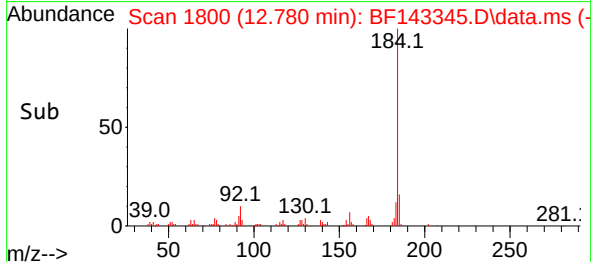
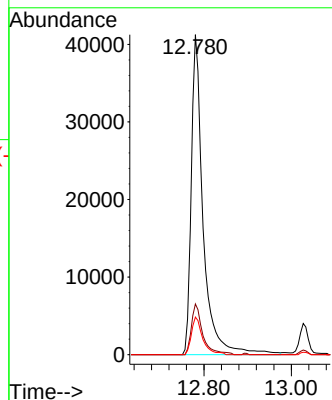
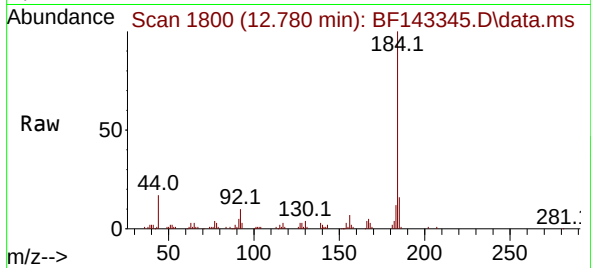




#77
Benzidine
Concen: 9.898 ng
RT: 12.780 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

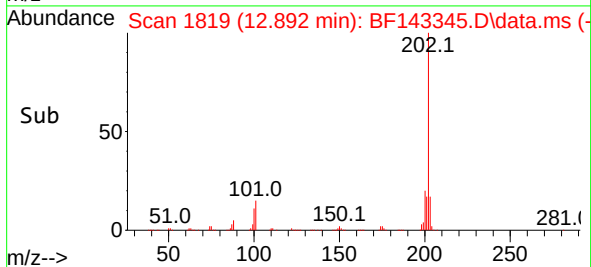
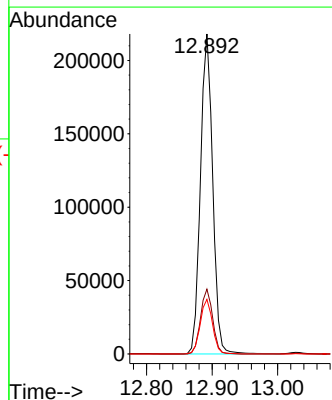
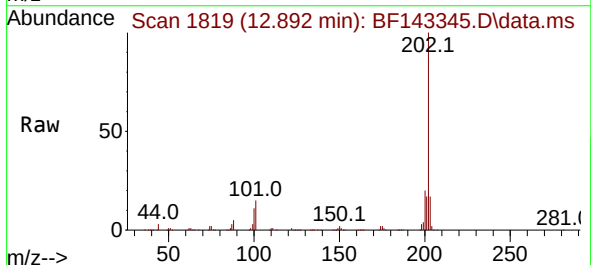
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

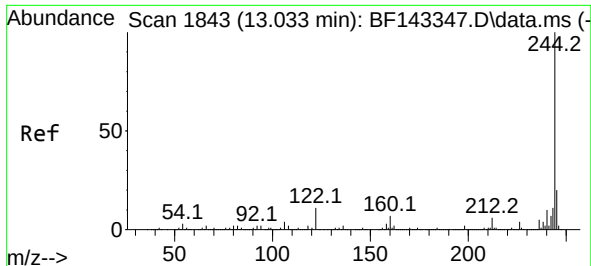
Tgt Ion:184 Resp: 78152
Ion Ratio Lower Upper
184 100
185 15.8 12.8 19.2
183 11.8 9.3 13.9



#78
Pyrene
Concen: 11.697 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:202 Resp: 283403
Ion Ratio Lower Upper
202 100
200 20.3 16.8 25.2
203 17.0 14.2 21.4





#79

Terphenyl-d14

Concen: 24.022 ng

RT: 13.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

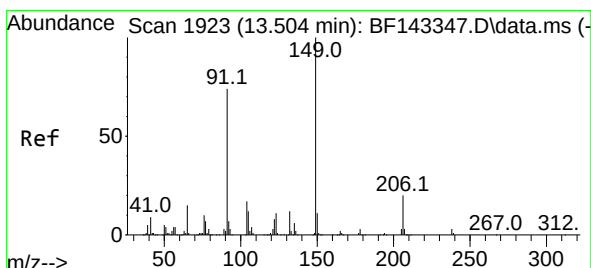
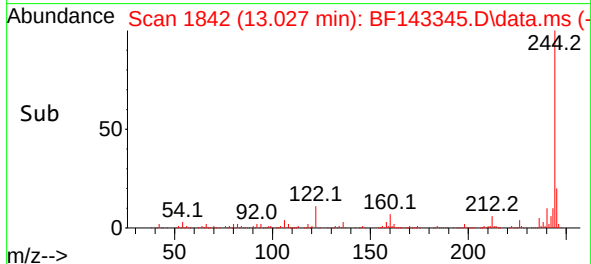
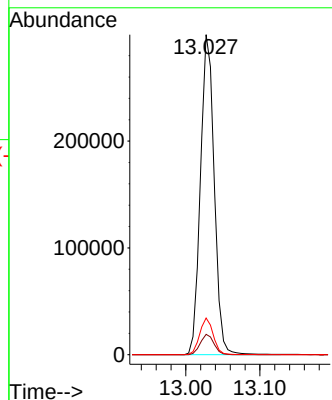
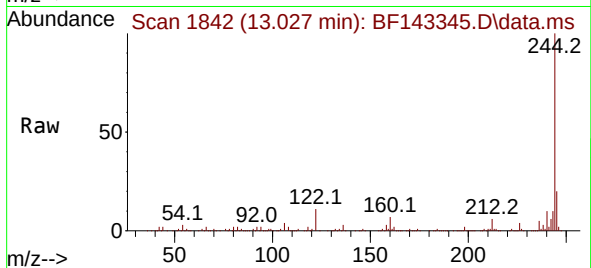
Tgt Ion:244 Resp: 388588

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 11.5 8.9 13.3



#80

Butylbenzylphthalate

Concen: 9.196 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

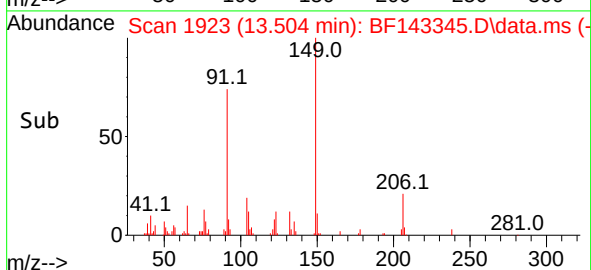
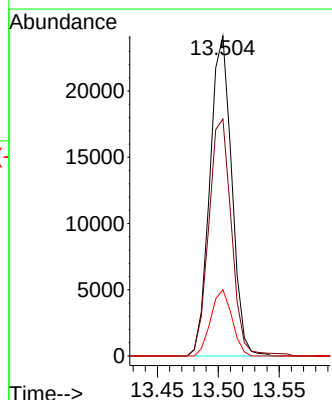
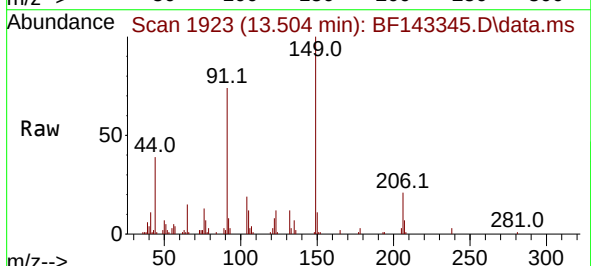
Tgt Ion:149 Resp: 30088

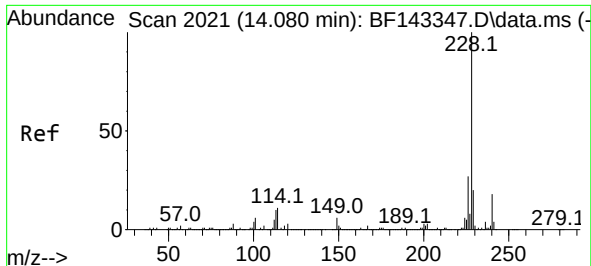
Ion Ratio Lower Upper

149 100

91 74.1 58.8 88.2

206 20.7 16.4 24.6

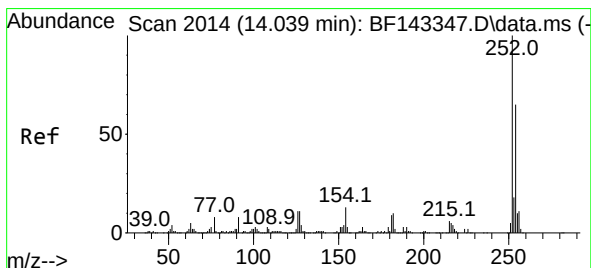
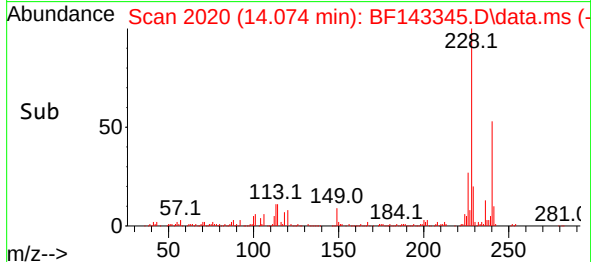
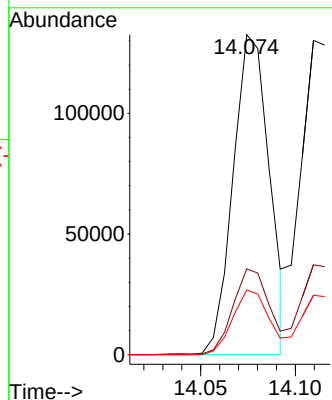
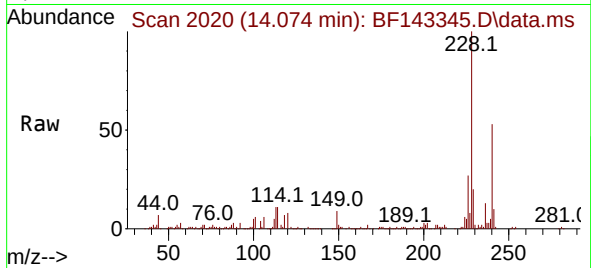




#81
Benzo(a)anthracene
Concen: 9.629 ng
RT: 14.074 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

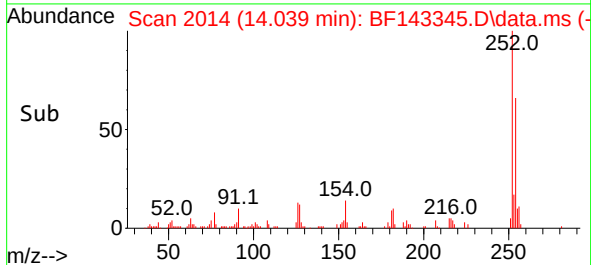
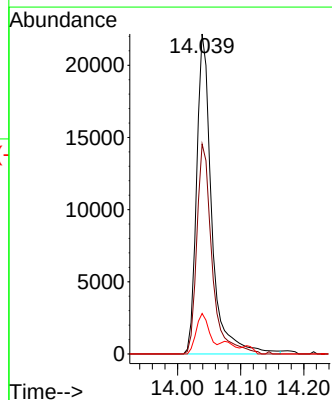
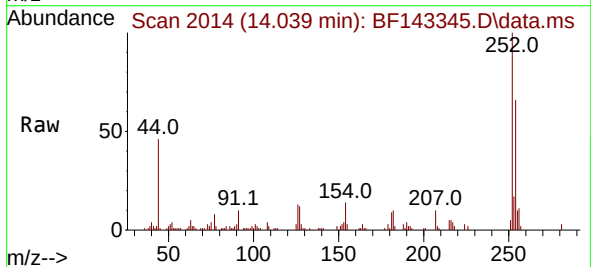
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

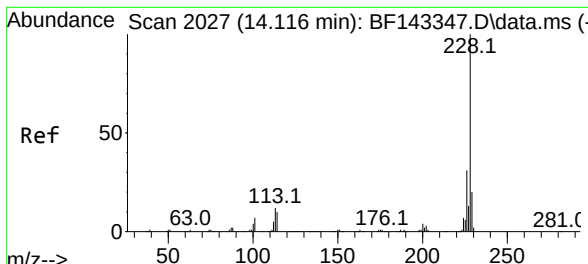
Tgt Ion:228 Resp: 176759
Ion Ratio Lower Upper
228 100
226 26.8 22.0 33.0
229 20.2 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 7.425 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 36804
Ion Ratio Lower Upper
252 100
254 65.6 51.7 77.5
126 12.6 9.2 13.8



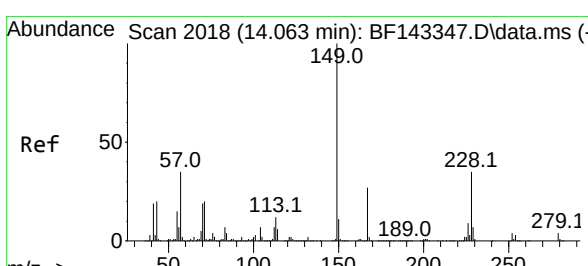
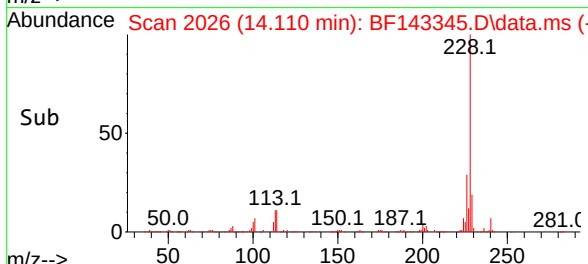
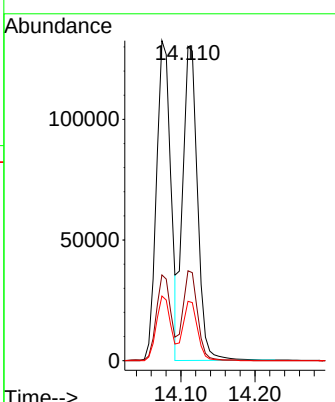
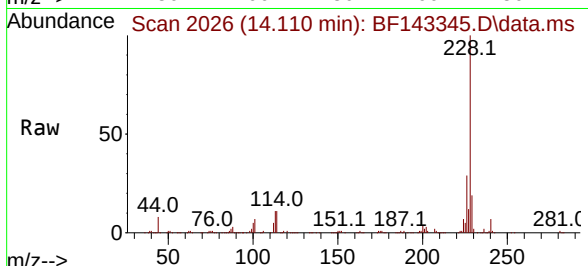


#83
 Chrysene
 Concen: 10.541 ng
 RT: 14.110 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

Instrument : BNA_F
 ClientSampleId : SSTDICC010

Tgt Ion: 228 Resp: 180427

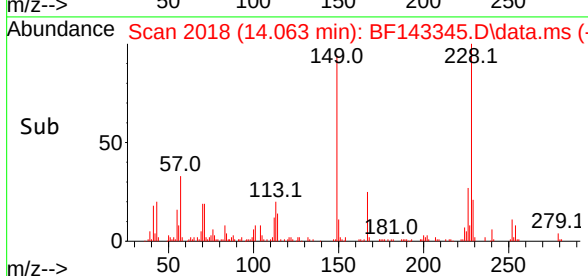
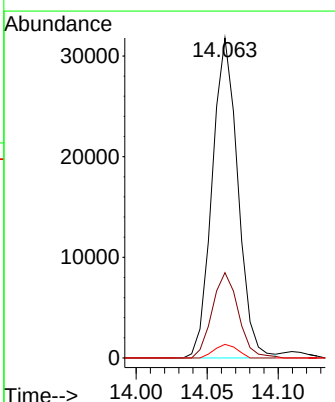
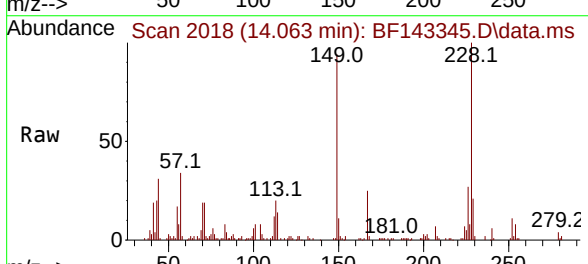
Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.2	36.2
229	18.9	15.8	23.6

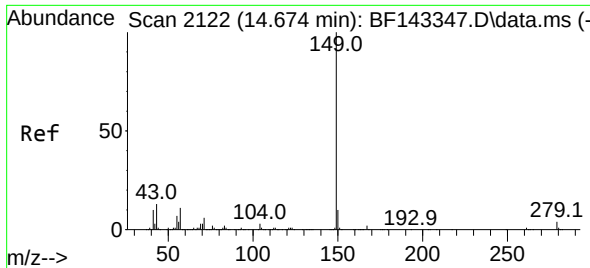


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 9.191 ng
 RT: 14.063 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: BF143345.D
 Acq: 12 Aug 2025 10:04

Tgt Ion: 149 Resp: 39945

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.3	3.2	4.8

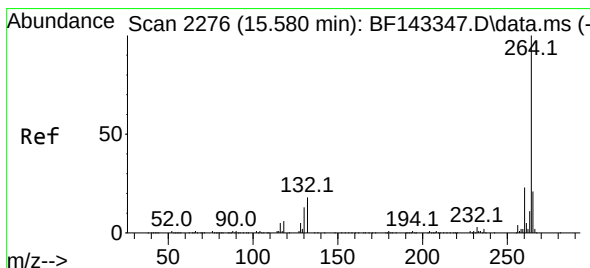
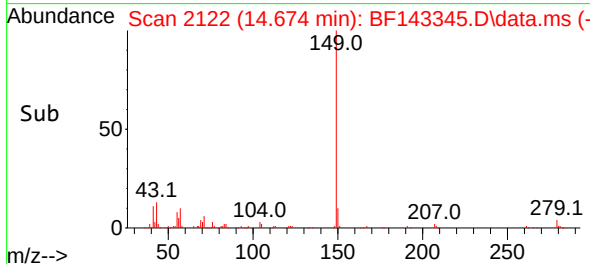
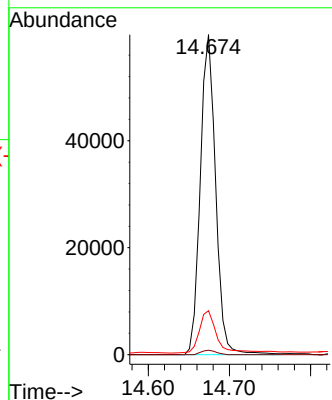
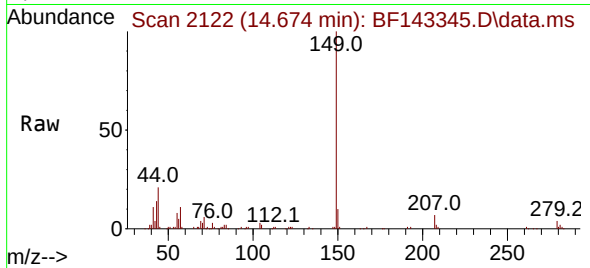




#85
Di-n-octyl phthalate
Concen: 10.933 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

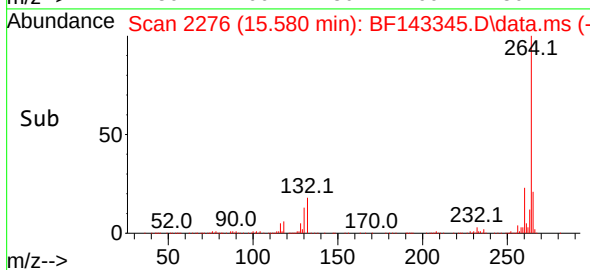
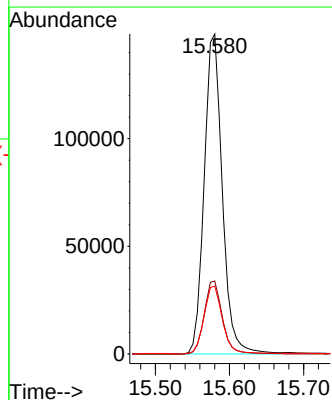
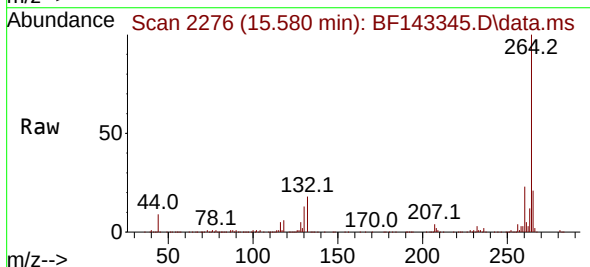
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

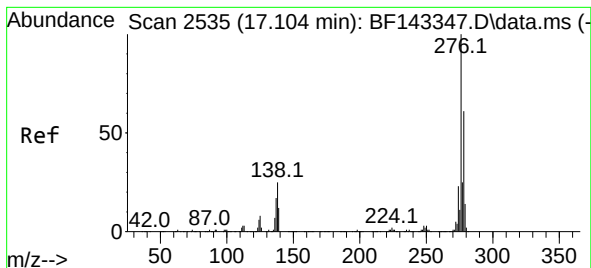
Tgt Ion:149 Resp: 78702
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 14.9 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:264 Resp: 252284
Ion Ratio Lower Upper
264 100
260 22.8 18.7 28.1
265 21.2 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.153 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

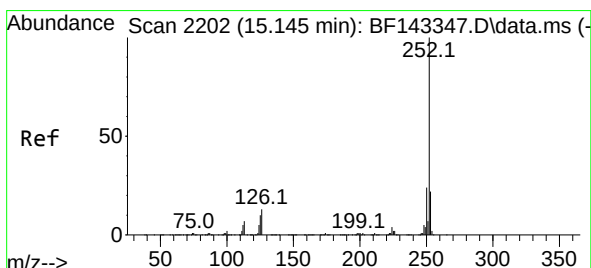
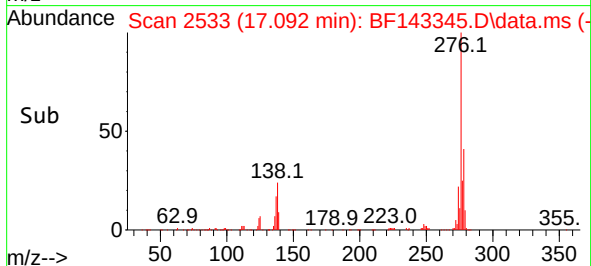
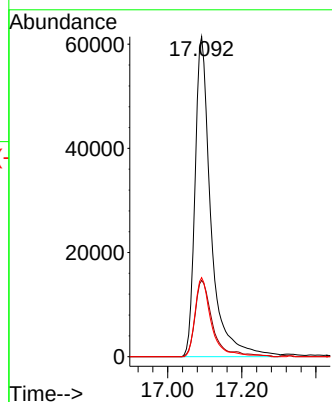
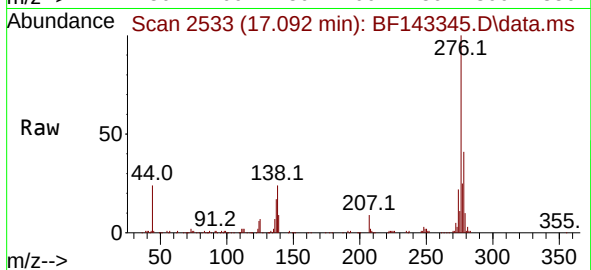
Tgt Ion:276 Resp: 183505

Ion Ratio Lower Upper

276 100

138 26.3 21.1 31.7

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 9.392 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

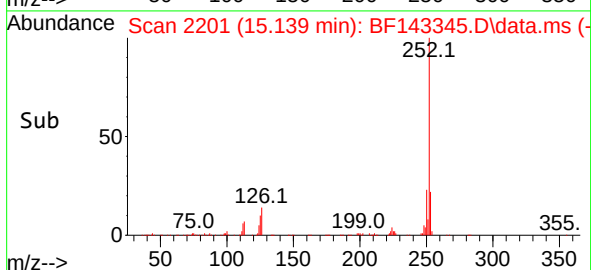
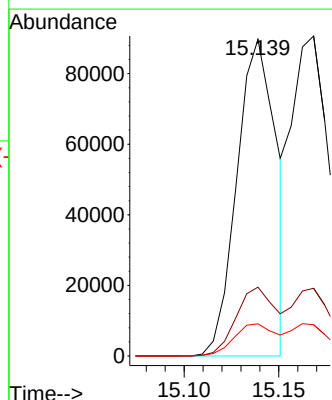
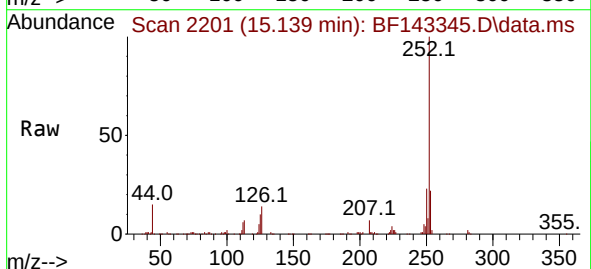
Tgt Ion:252 Resp: 129605

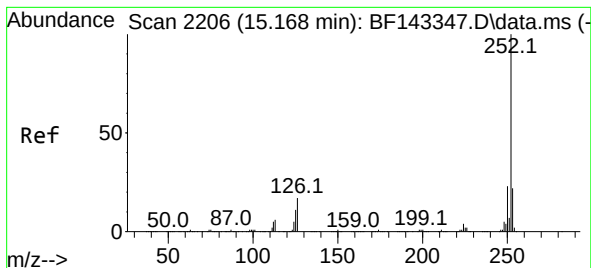
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 10.2 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 10.165 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

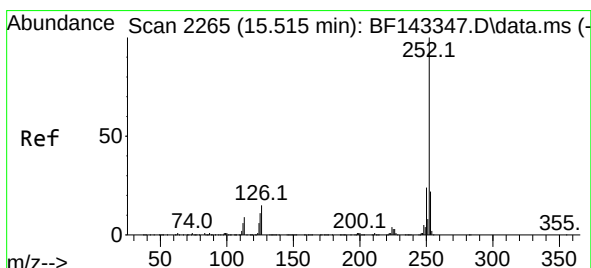
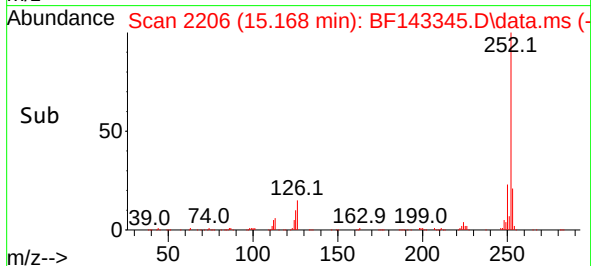
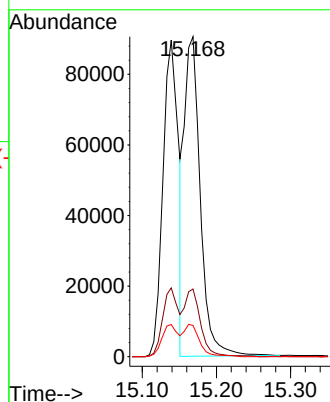
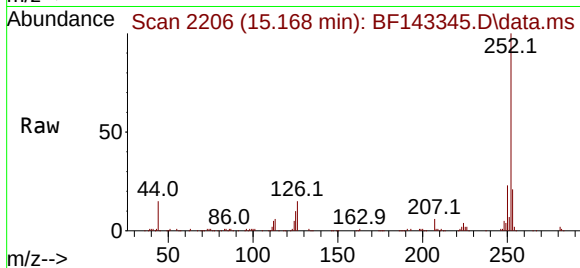
Tgt Ion:252 Resp: 136296

Ion Ratio Lower Upper

252 100

253 21.1 17.6 26.4

125 9.8 8.4 12.6



#90

Benzo(a)pyrene

Concen: 9.814 ng

RT: 15.515 min Scan# 2265

Delta R.T. -0.000 min

Lab File: BF143345.D

Acq: 12 Aug 2025 10:04

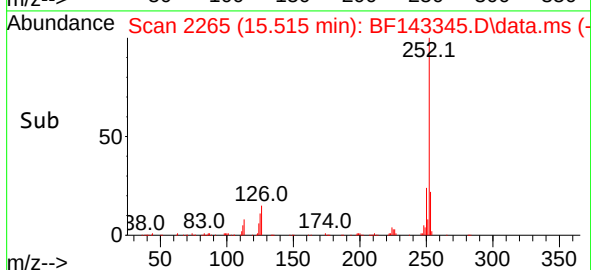
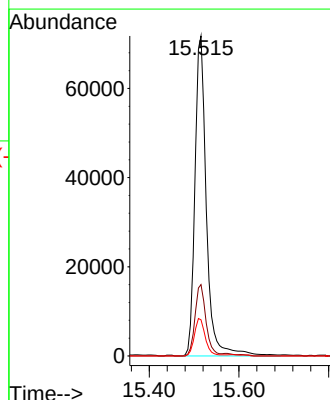
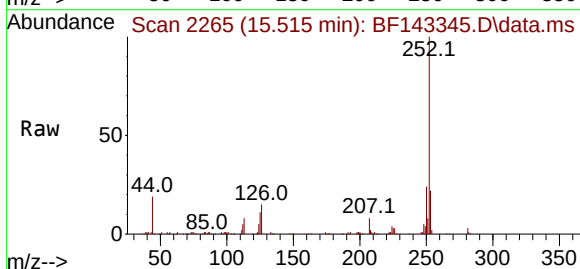
Tgt Ion:252 Resp: 127540

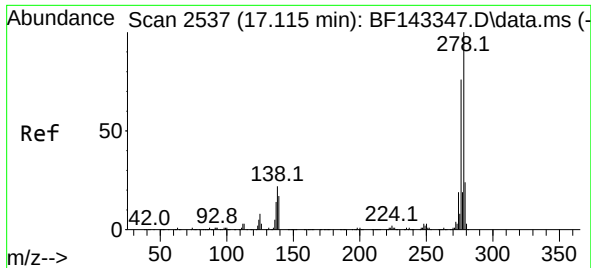
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 11.3 9.1 13.7

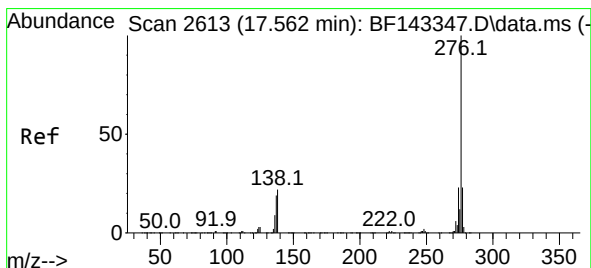
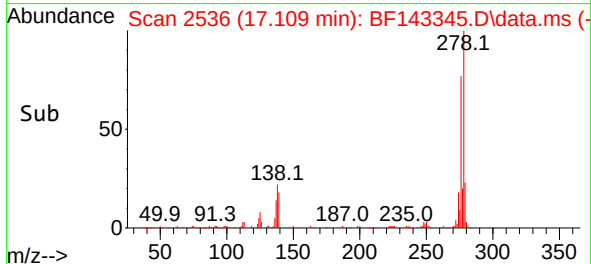
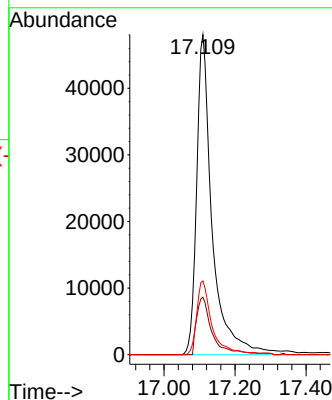
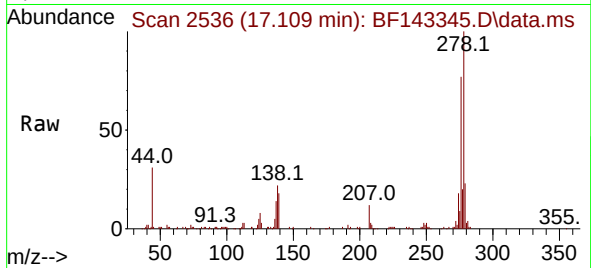




#91
Dibenzo(a,h)anthracene
Concen: 10.148 ng
RT: 17.109 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

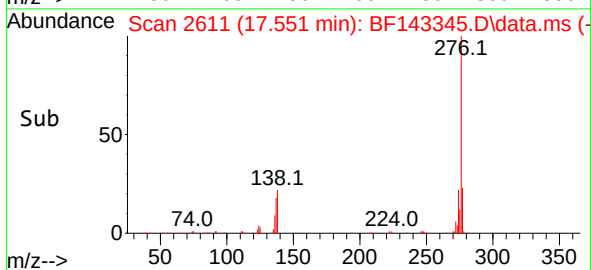
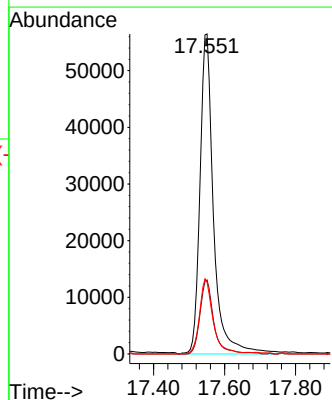
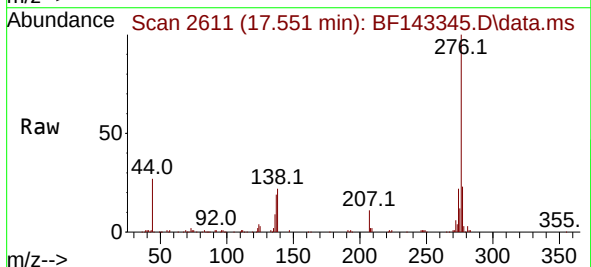
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 146537
Ion Ratio Lower Upper
278 100
139 17.9 14.0 21.0
279 23.0 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 10.338 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:276 Resp: 150383
Ion Ratio Lower Upper
276 100
277 23.2 18.7 28.1
138 22.4 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143399.D
 Acq On : 15 Aug 2025 03:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 15 05:14:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	154119	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	585558	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	307669	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	448323	20.000	ng	0.00
76) Chrysene-d12	14.098	240	298922	20.000	ng	0.00
86) Perylene-d12	15.592	264	377299	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	666444	74.777	ng	0.00
7) Phenol-d6	6.563	99	816901	71.476	ng	0.00
23) Nitrobenzene-d5	7.493	82	737761	78.460	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	193949	86.257	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1308576	72.124	ng	0.00
79) Terphenyl-d14	13.039	244	1104297	65.955	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.740	88	178884	38.788	ng	97
3) Pyridine	3.516	79	440108	35.812	ng	98
4) n-Nitrosodimethylamine	3.458	42	199433	34.837	ng	98
6) Aniline	6.598	93	562376	34.903	ng	98
8) 2-Chlorophenol	6.722	128	368039	38.646	ng	96
9) Benzaldehyde	6.487	77	247585	32.775	ng	97
10) Phenol	6.581	94	481619	35.572	ng	96
11) bis(2-Chloroethyl)ether	6.663	93	359103	35.987	ng	99
12) 1,3-Dichlorobenzene	6.875	146	399589	36.378	ng	99
13) 1,4-Dichlorobenzene	6.951	146	401173	36.389	ng	100
14) 1,2-Dichlorobenzene	7.104	146	380149	36.325	ng	100
15) Benzyl Alcohol	7.075	79	303375	37.031	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	604495	33.932	ng	100
17) 2-Methylphenol	7.187	107	298798	37.170	ng	99
18) Hexachloroethane	7.451	117	137360	39.741	ng	94
19) n-Nitroso-di-n-propyla...	7.345	70	240660	34.078	ng	99
20) 3+4-Methylphenols	7.340	107	350891	36.093	ng	98
22) Acetophenone	7.340	105	450772	34.939	ng	97
24) Nitrobenzene	7.510	77	391763	38.363	ng	99
25) Isophorone	7.751	82	679055	35.375	ng	100
26) 2-Nitrophenol	7.828	139	189734	46.487	ng	99
27) 2,4-Dimethylphenol	7.863	122	291354	36.381	ng	98
28) bis(2-Chloroethoxy)met...	7.957	93	426215	36.367	ng	99
29) 2,4-Dichlorophenol	8.075	162	308637	39.458	ng	98
30) 1,2,4-Trichlorobenzene	8.157	180	309994	37.571	ng	100
31) Naphthalene	8.240	128	1015616	36.045	ng	99
32) Benzoic acid	7.981	122	148637	44.034	ng	97
33) 4-Chloroaniline	8.281	127	369334	36.342	ng	100
34) Hexachlorobutadiene	8.357	225	197920	38.562	ng	99
35) Caprolactam	8.645	113	86672	39.416	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	303083	36.961	ng	98
37) 2-Methylnaphthalene	8.928	142	668140	36.070	ng	99
38) 1-Methylnaphthalene	9.028	142	640396	35.896	ng	100
40) 1,2,4,5-Tetrachloroben...	9.098	216	313835	37.276	ng	99
41) Hexachlorocyclopentadiene	9.087	237	149463	52.784	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	197297	41.302	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143399.D
 Acq On : 15 Aug 2025 03:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

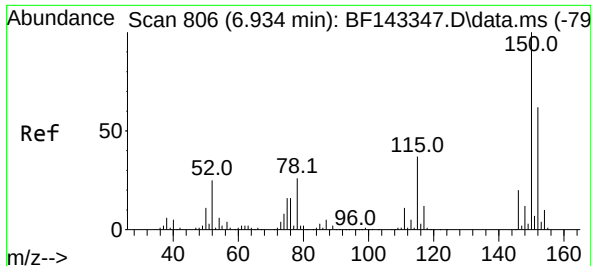
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	214438	39.752	ng	97
46) 1,1'-Biphenyl	9.392	154	786326	36.146	ng	99
47) 2-Chloronaphthalene	9.416	162	628536	36.686	ng	99
48) 2-Nitroaniline	9.510	65	190071	39.015	ng	94
49) Acenaphthylene	9.828	152	898622	36.320	ng	99
50) Dimethylphthalate	9.681	163	682495	37.964	ng	100
51) 2,6-Dinitrotoluene	9.745	165	145324	43.044	ng	95
52) Acenaphthene	10.004	154	598801	36.404	ng	99
53) 3-Nitroaniline	9.916	138	157424	42.759	ng	97
54) 2,4-Dinitrophenol	10.028	184	59555	51.347	ng #	82
55) Dibenzofuran	10.175	168	846919	35.775	ng	99
56) 4-Nitrophenol	10.081	139	114908	41.856	ng	96
57) 2,4-Dinitrotoluene	10.151	165	189688	42.395	ng	89
58) Fluorene	10.516	166	630662	34.878	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.298	232	158397	43.560	ng	97
60) Diethylphthalate	10.386	149	622164	38.637	ng	99
61) 4-Chlorophenyl-phenyle...	10.510	204	320765	36.713	ng	98
62) 4-Nitroaniline	10.528	138	142815	40.094	ng	98
63) Azobenzene	10.669	77	633989	34.469	ng	97
65) 4,6-Dinitro-2-methylph...	10.563	198	88176	48.521	ng	91
66) n-Nitrosodiphenylamine	10.628	169	544301	36.871	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	197816	38.580	ng	98
68) Hexachlorobenzene	11.069	284	206818	37.421	ng	98
69) Atrazine	11.151	200	163775	42.535	ng	99
70) Pentachlorophenol	11.269	266	258266	94.322	ng	96
71) Phenanthrene	11.480	178	874214	35.740	ng	100
72) Anthracene	11.533	178	876126	35.318	ng	100
73) Carbazole	11.686	167	740341	35.043	ng	99
74) Di-n-butylphthalate	12.010	149	810616	45.343	ng	100
75) Fluoranthene	12.669	202	775610	36.199	ng	99
77) Benzidine	12.786	184	322181	39.424	ng	98
78) Pyrene	12.898	202	798173	31.829	ng	99
80) Butylbenzylphthalate	13.510	149	267587	53.579	ng	97
81) Benzo(a)anthracene	14.086	228	672240	35.382	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	226457	44.142	ng	99
83) Chrysene	14.127	228	662658	37.405	ng	99
84) Bis(2-ethylhexyl)phtha...	14.069	149	376483	51.348	ng	98
85) Di-n-octyl phthalate	14.686	149	690916	47.658	ng	95
87) Indeno(1,2,3-cd)pyrene	17.121	276	977103	36.148	ng	99
88) Benzo(b)fluoranthene	15.151	252	799255	38.730	ng	99
89) Benzo(k)fluoranthene	15.180	252	687057	34.263	ng	99
90) Benzo(a)pyrene	15.527	252	716381	36.858	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	769353	35.627	ng	99
92) Benzo(g,h,i)perylene	17.580	276	765398	35.184	ng	99

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

- 1
- 2
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- 18

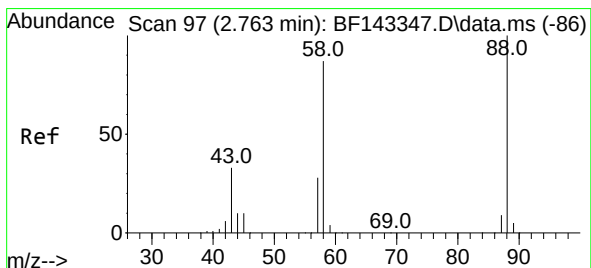
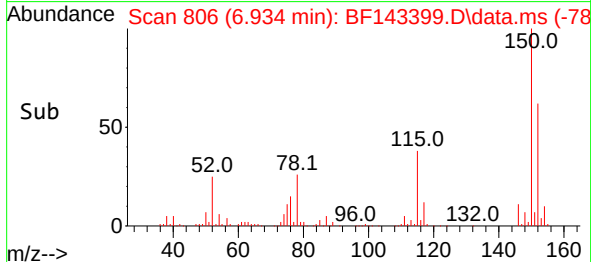
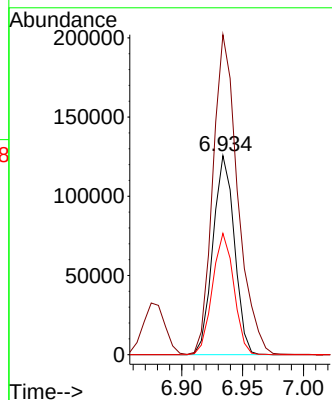
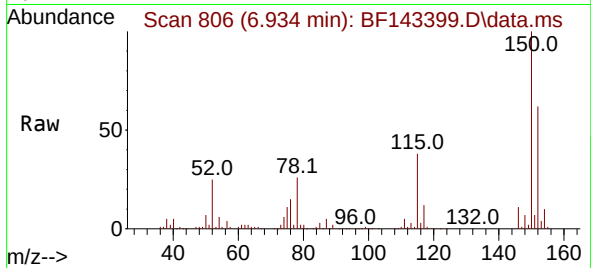
1



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143399.D
 Acq: 15 Aug 2025 03:54

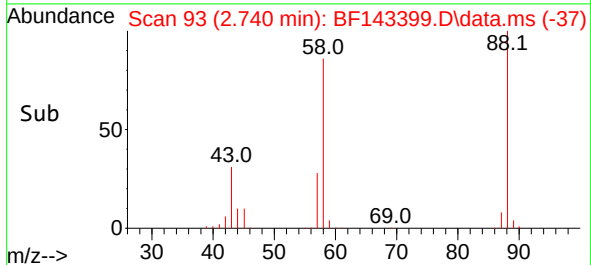
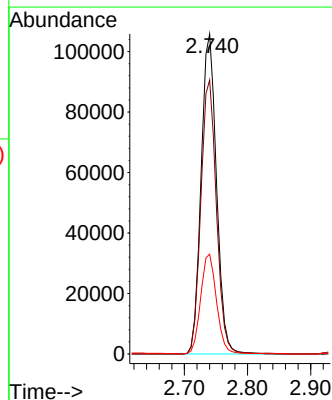
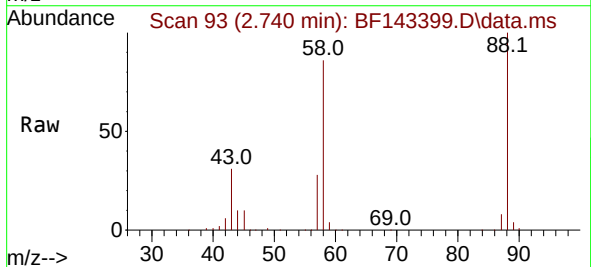
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

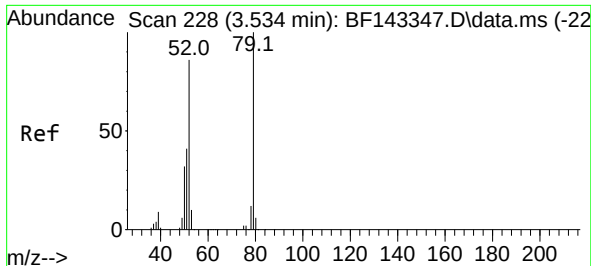
Tgt Ion:152 Resp: 154119
 Ion Ratio Lower Upper
 152 100
 150 160.8 129.8 194.8
 115 60.9 47.8 71.8



#2
 1,4-Dioxane
 Concen: 38.788 ng
 RT: 2.740 min Scan# 93
 Delta R.T. -0.023 min
 Lab File: BF143399.D
 Acq: 15 Aug 2025 03:54

Tgt Ion: 88 Resp: 178884
 Ion Ratio Lower Upper
 88 100
 58 86.5 71.0 106.6
 43 32.2 27.0 40.6

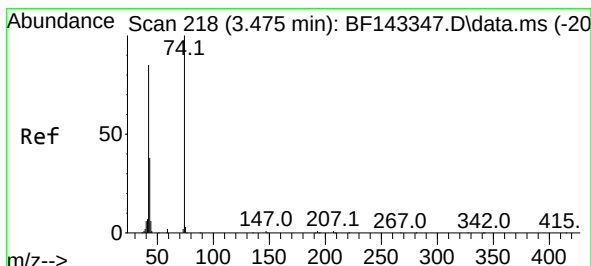
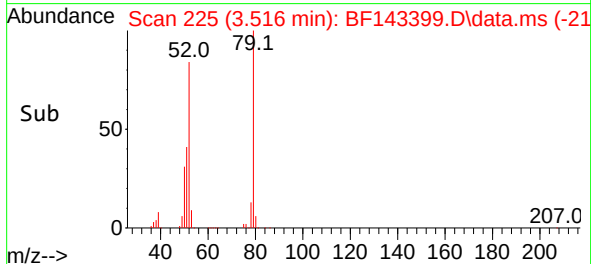
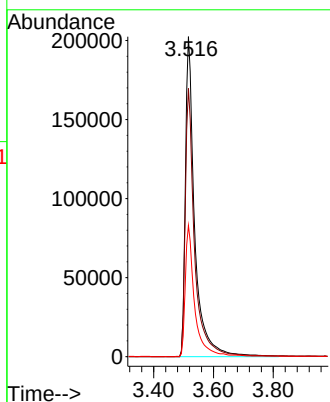
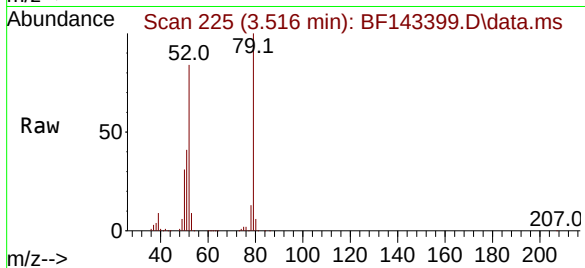




#3
Pyridine
Concen: 35.812 ng
RT: 3.516 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

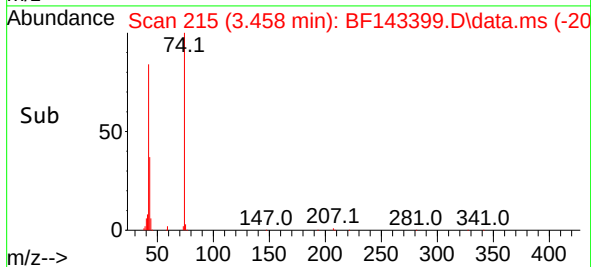
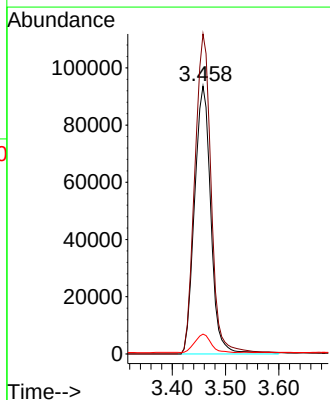
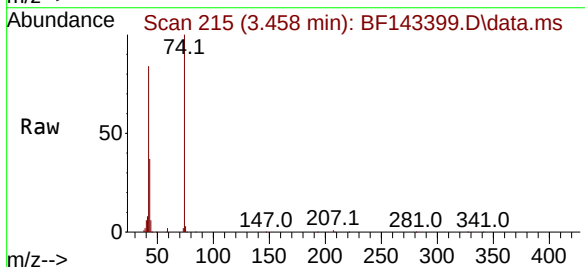
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

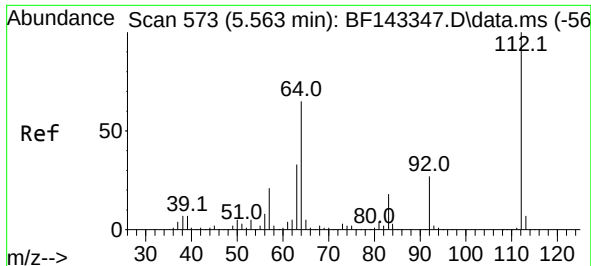
Tgt Ion: 79 Resp: 440108
Ion Ratio Lower Upper
79 100
52 83.8 68.7 103.1
51 41.0 33.4 50.0



#4
n-Nitrosodimethylamine
Concen: 34.837 ng
RT: 3.458 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion: 42 Resp: 199433
Ion Ratio Lower Upper
42 100
74 119.4 94.1 141.1
44 7.4 6.5 9.7

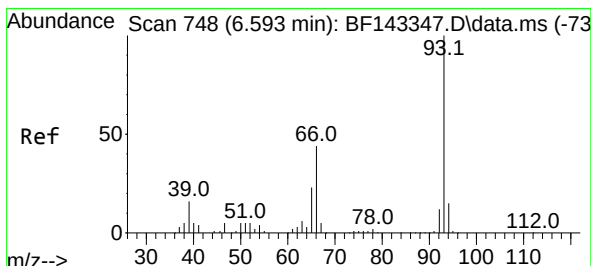
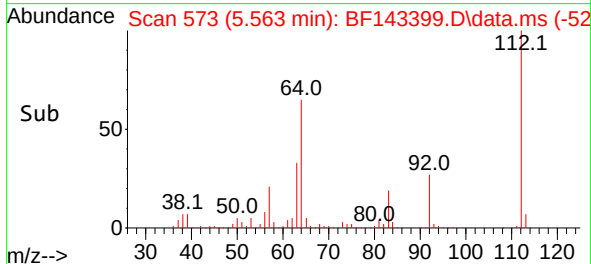
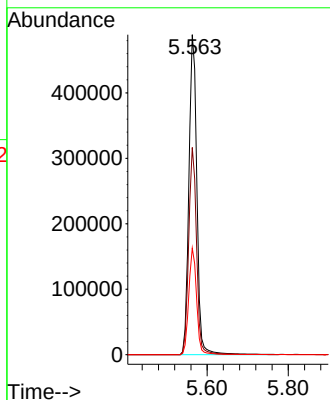
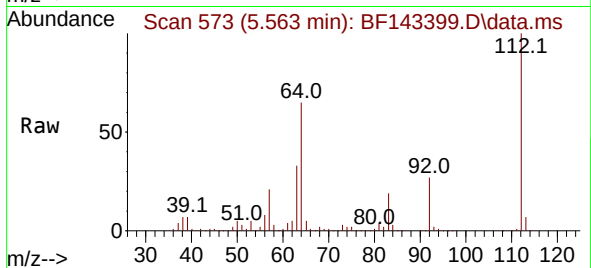




#5
2-Fluorophenol
Concen: 74.777 ng
RT: 5.563 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

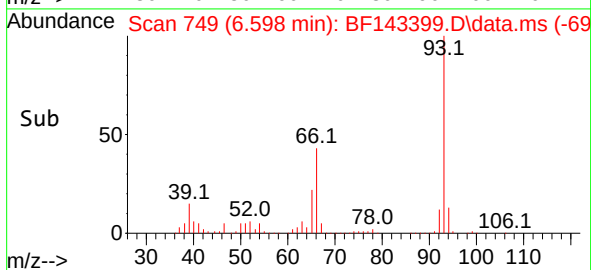
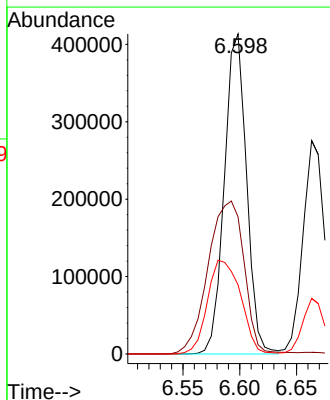
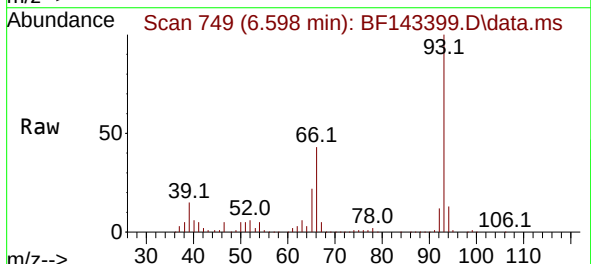
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BNA_F
ClientSampleId :
SSTDCCC040

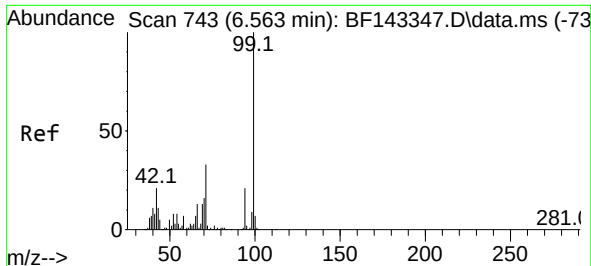
Tgt Ion:112 Resp: 666444
Ion Ratio Lower Upper
112 100
64 64.8 52.1 78.1
63 33.3 26.6 39.8



#6
Aniline
Concen: 34.903 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion: 93 Resp: 562376
Ion Ratio Lower Upper
93 100
66 42.8 35.3 52.9
65 21.6 18.2 27.4

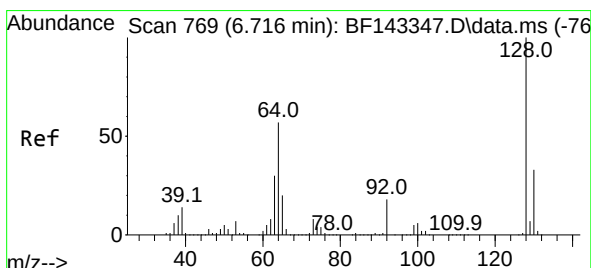
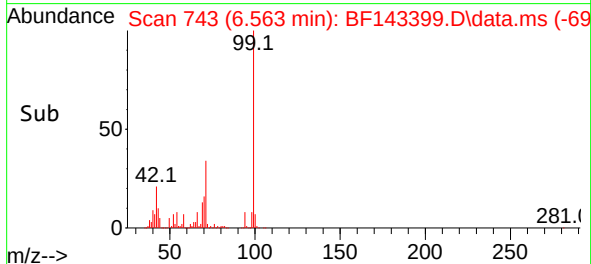
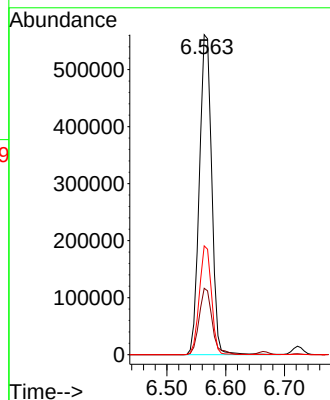
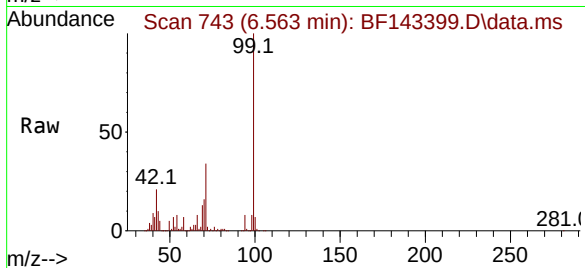




#7
Phenol-d6
Concen: 71.476 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

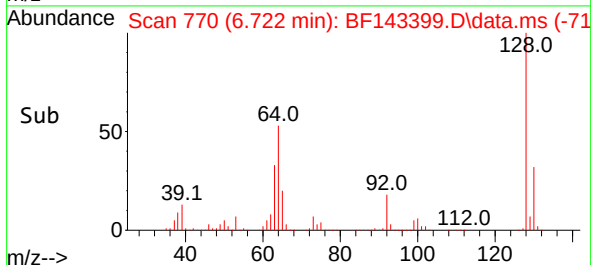
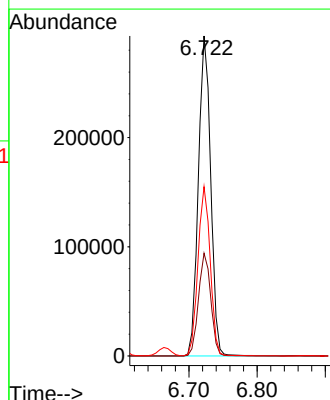
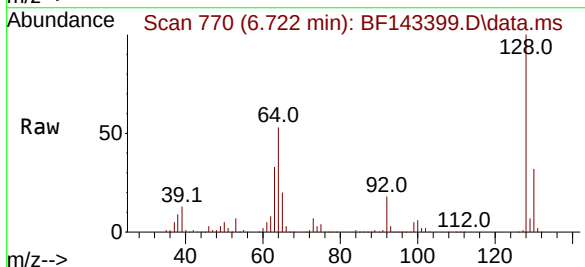
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

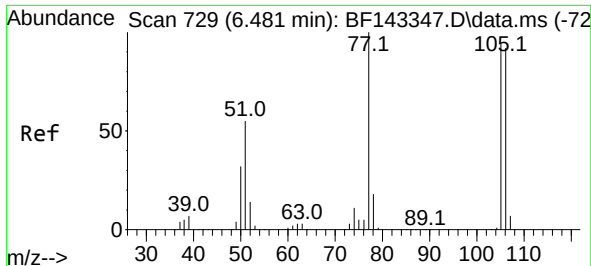
Tgt Ion: 99 Resp: 816901
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 34.0 26.2 39.2



#8
2-Chlorophenol
Concen: 38.646 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion: 128 Resp: 368039
Ion Ratio Lower Upper
128 100
130 32.1 12.6 52.6
64 52.9 36.7 76.7

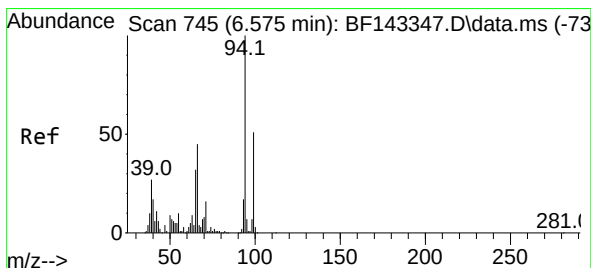
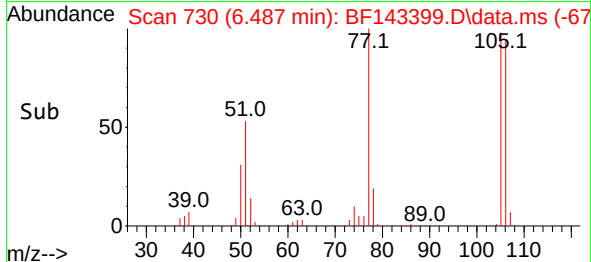
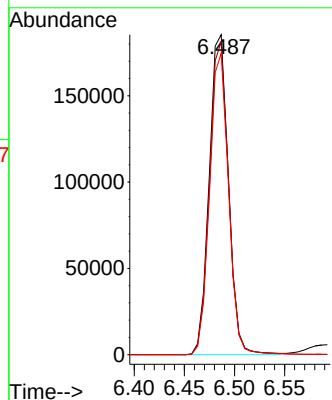
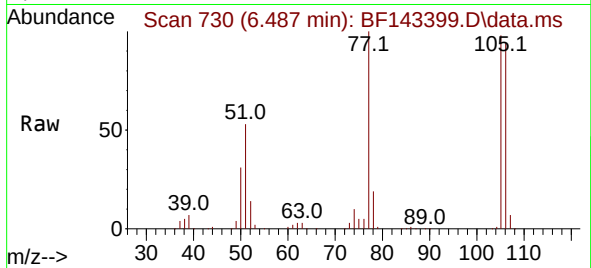




#9
Benzaldehyde
Concen: 32.775 ng
RT: 6.487 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

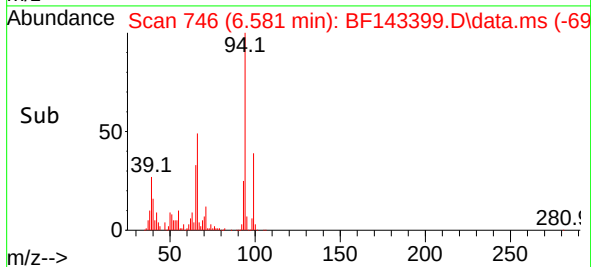
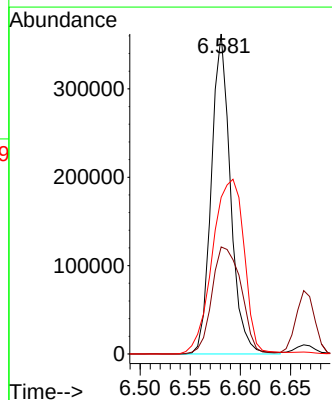
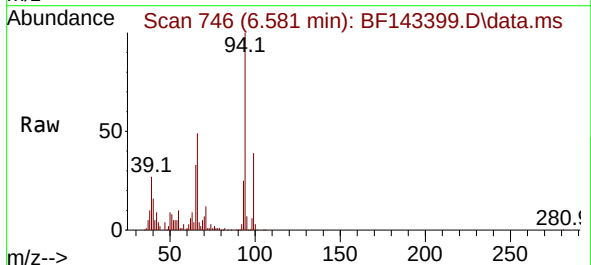
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

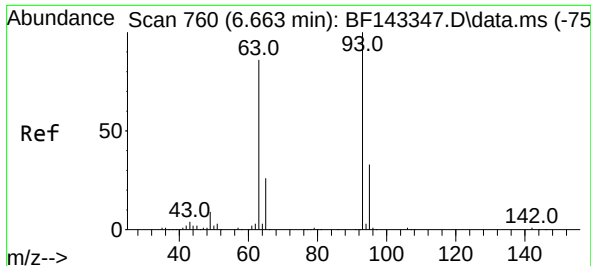
Tgt Ion: 77 Resp: 247585
Ion Ratio Lower Upper
77 100
105 97.8 74.2 114.2
106 94.2 72.2 112.2



#10
Phenol
Concen: 35.572 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion: 94 Resp: 481619
Ion Ratio Lower Upper
94 100
65 33.5 12.0 52.0
66 49.0 25.6 65.6





#11

bis(2-Chloroethyl)ether

Concen: 35.987 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

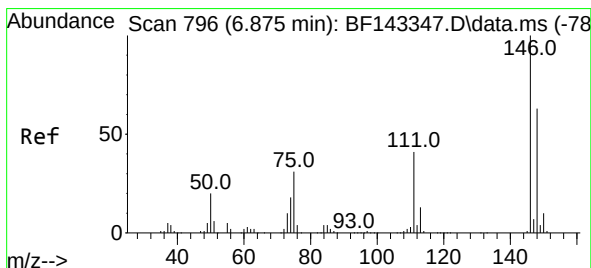
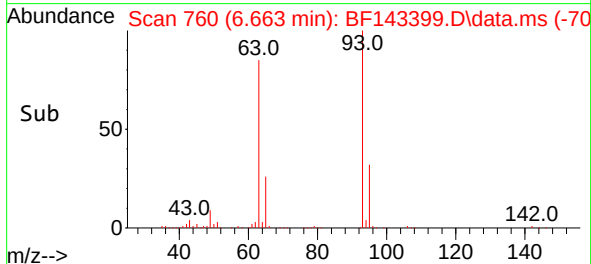
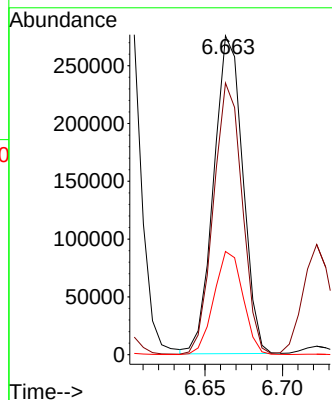
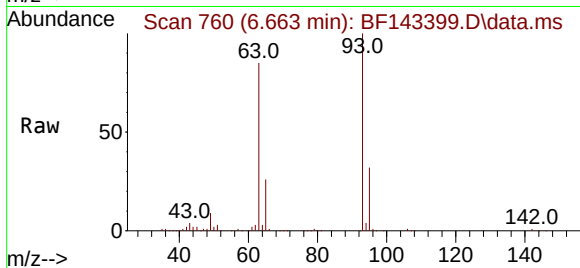
Tgt Ion: 93 Resp: 359103

Ion Ratio Lower Upper

93 100

63 85.2 65.7 105.7

95 32.4 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 36.378 ng

RT: 6.875 min Scan# 796

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

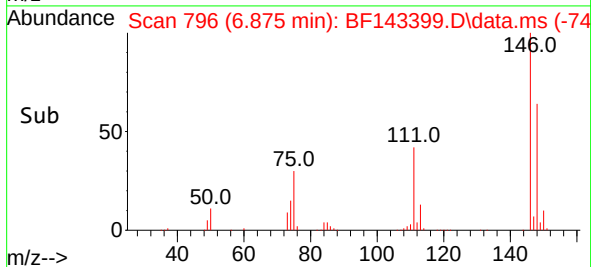
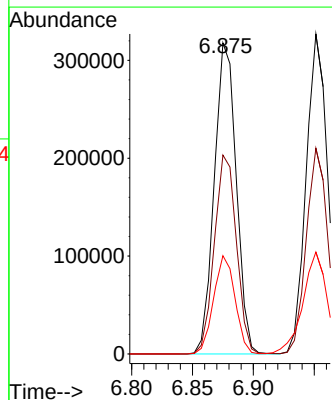
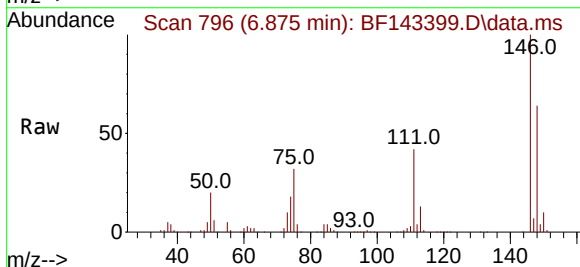
Tgt Ion: 146 Resp: 399589

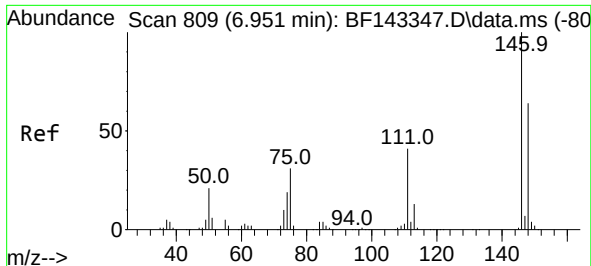
Ion Ratio Lower Upper

146 100

148 64.0 50.5 75.7

75 31.6 24.9 37.3

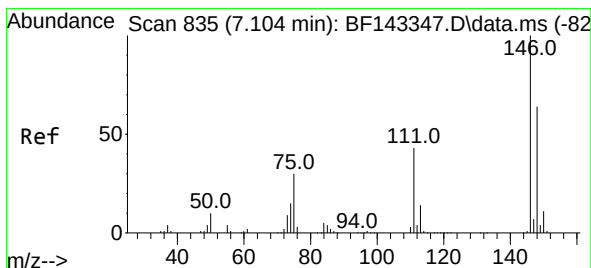
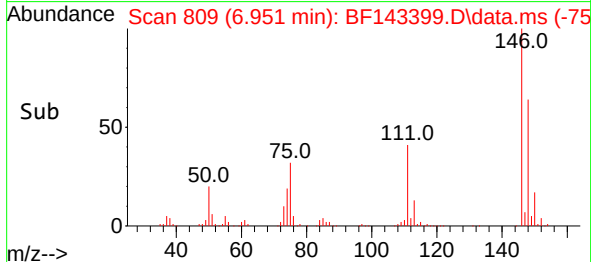
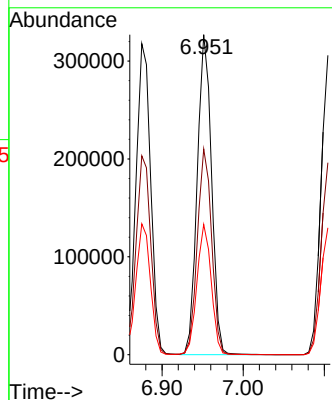
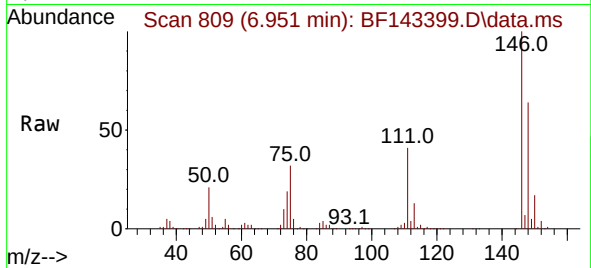




#13
1,4-Dichlorobenzene
Concen: 36.389 ng
RT: 6.951 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

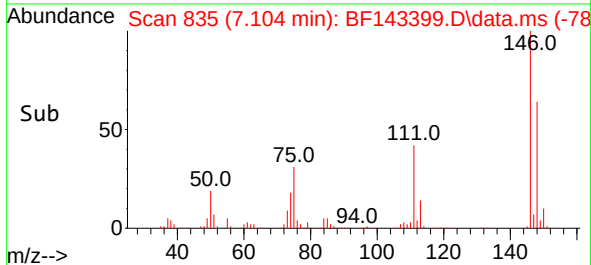
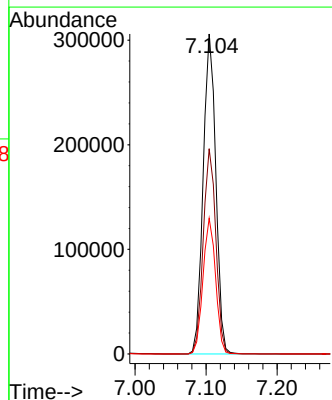
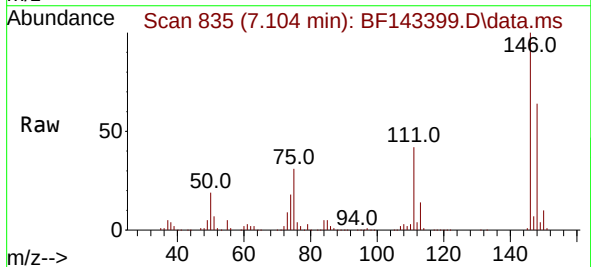
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

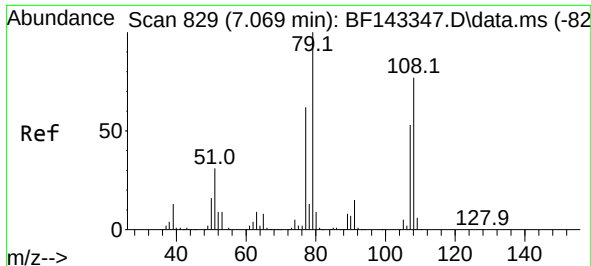
Tgt Ion:146 Resp: 401173
Ion Ratio Lower Upper
146 100
148 64.3 51.4 77.0
111 40.7 32.6 48.8



#14
1,2-Dichlorobenzene
Concen: 36.325 ng
RT: 7.104 min Scan# 835
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:146 Resp: 380149
Ion Ratio Lower Upper
146 100
148 64.1 51.4 77.2
111 42.4 34.1 51.1

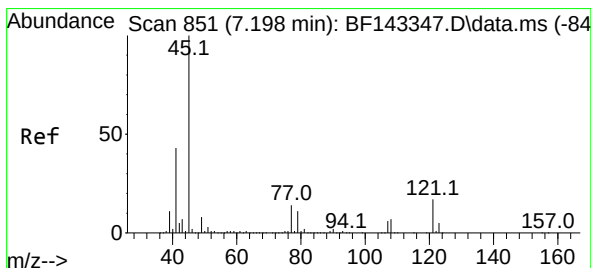
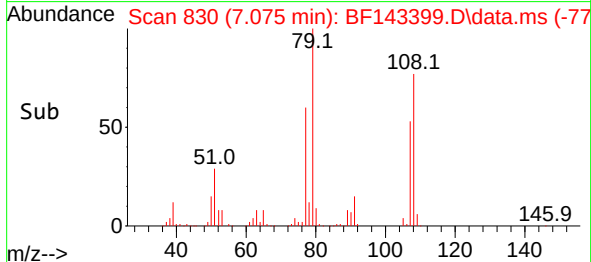
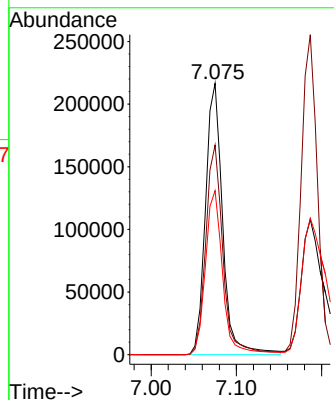
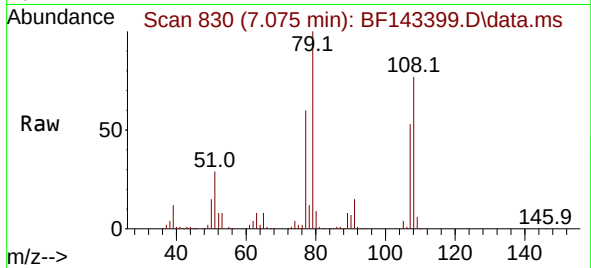




#15
Benzyl Alcohol
Concen: 37.031 ng
RT: 7.075 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

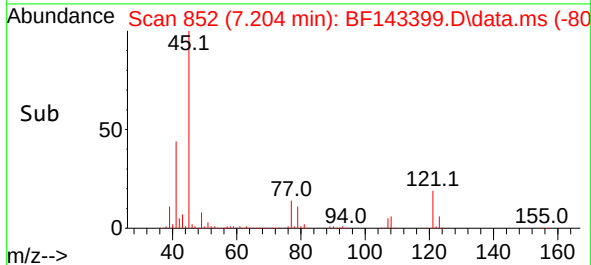
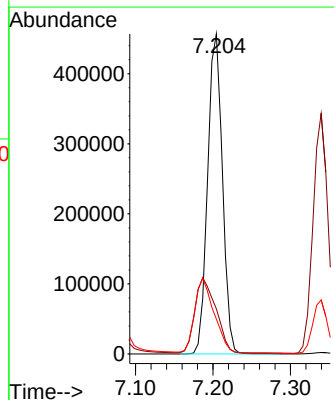
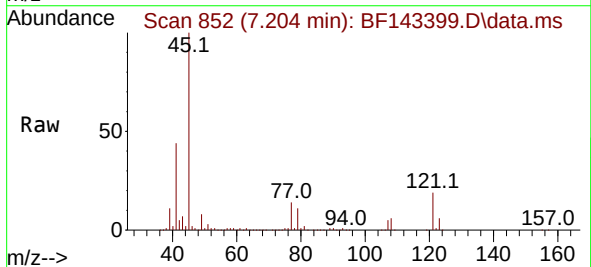
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

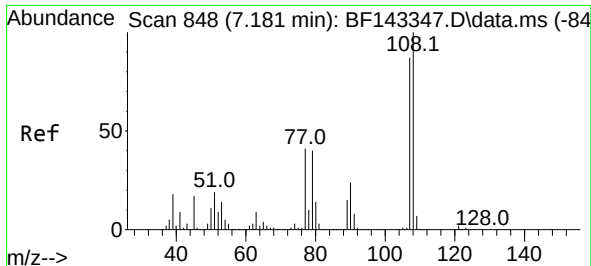
Tgt Ion: 79 Resp: 303375
Ion Ratio Lower Upper
79 100
108 77.2 61.5 92.3
77 60.5 49.8 74.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 33.932 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion: 45 Resp: 604495
Ion Ratio Lower Upper
45 100
77 14.1 0.0 34.0
79 10.9 0.0 31.1

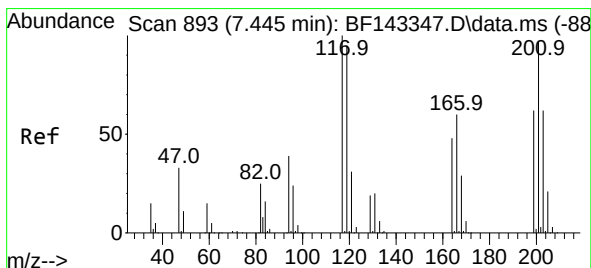
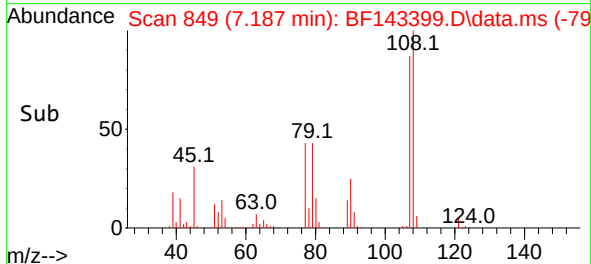
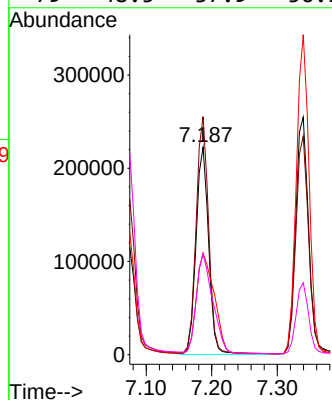
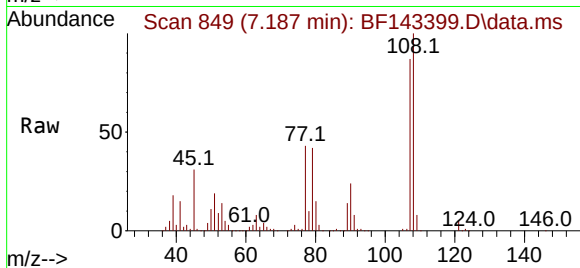




#17
2-Methylphenol
Concen: 37.170 ng
RT: 7.187 min Scan# 849
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

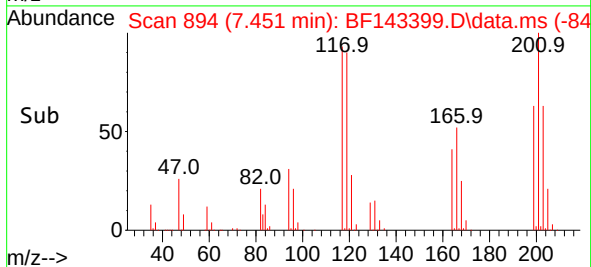
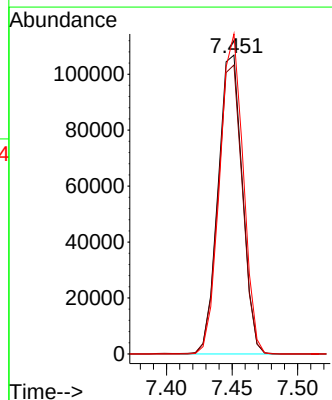
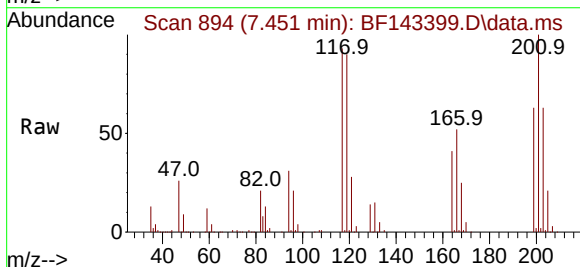
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

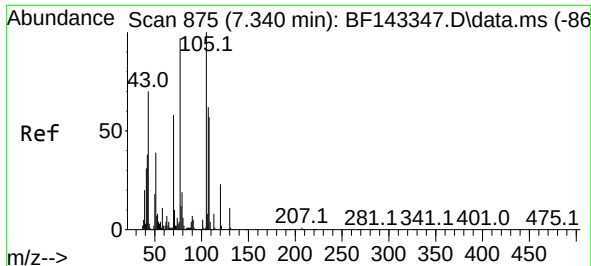
Tgt Ion:	107	Resp:	298798
Ion	Ratio	Lower	Upper
107	100		
108	114.7	92.0	138.0
77	48.9	38.2	57.2
79	48.5	37.9	56.9



#18
Hexachloroethane
Concen: 39.741 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:	117	Resp:	137360
Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.8
201	107.1	77.2	115.8



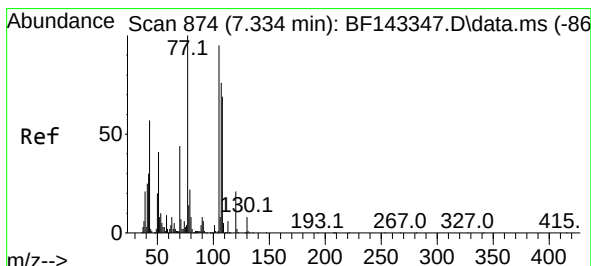
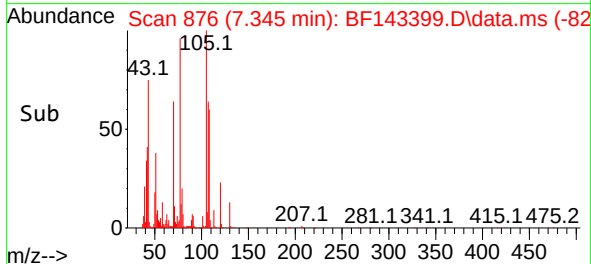
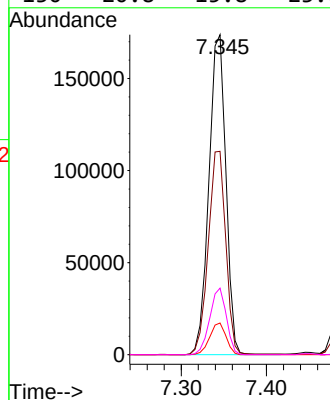
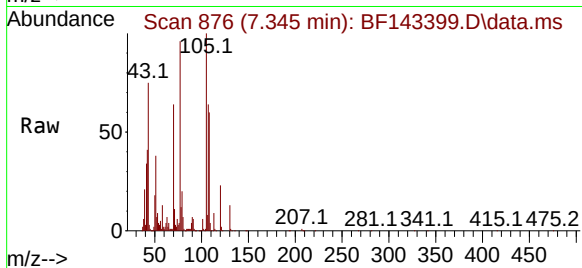


#19
n-Nitroso-di-n-propylamine
Concen: 34.078 ng
RT: 7.345 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 240660

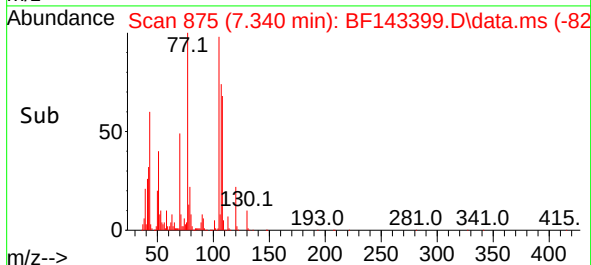
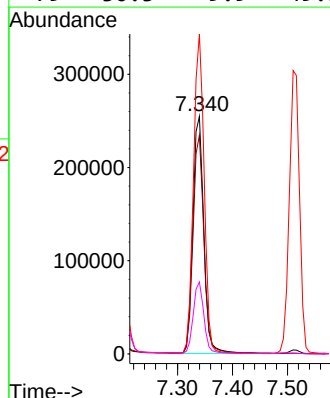
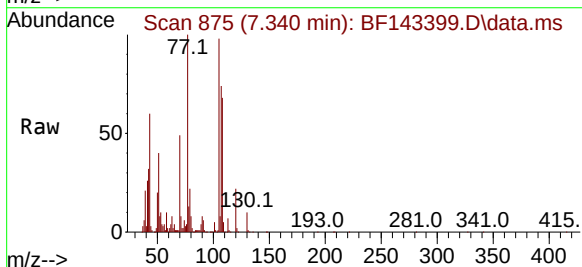
Ion	Ratio	Lower	Upper
70	100		
42	63.6	51.6	77.4
101	9.9	7.5	11.3
130	20.8	15.8	23.6

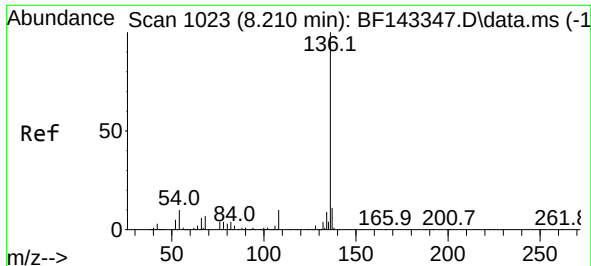


#20
3+4-Methylphenols
Concen: 36.093 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion: 107 Resp: 350891

Ion	Ratio	Lower	Upper
107	100		
108	91.9	70.6	110.6
77	134.6	112.0	152.0
79	30.3	9.9	49.9

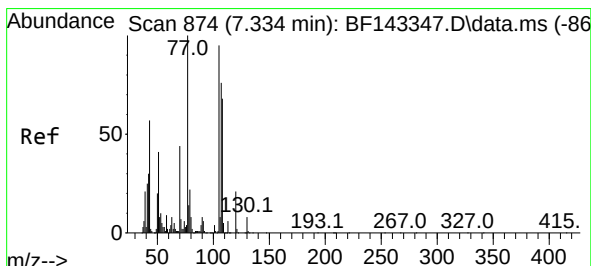
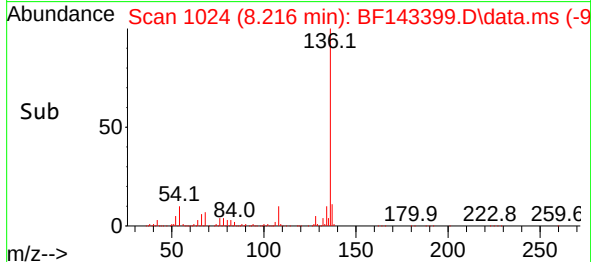
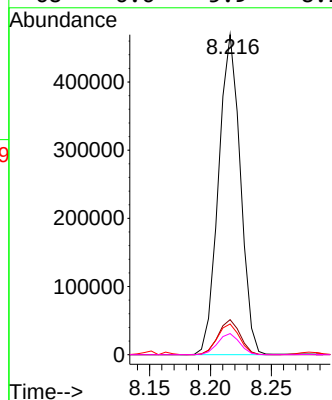
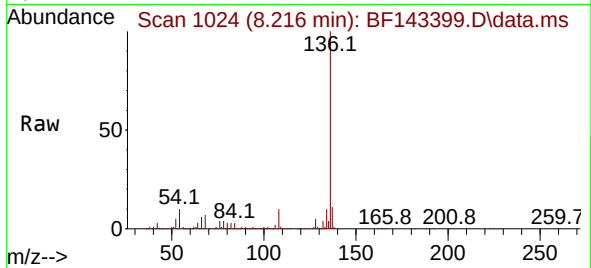




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

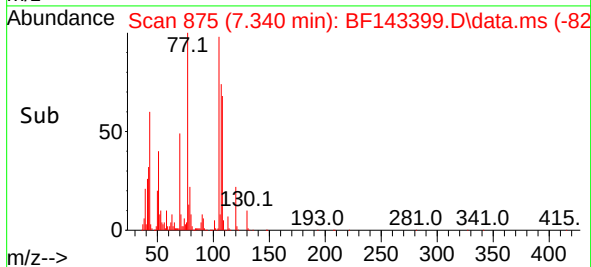
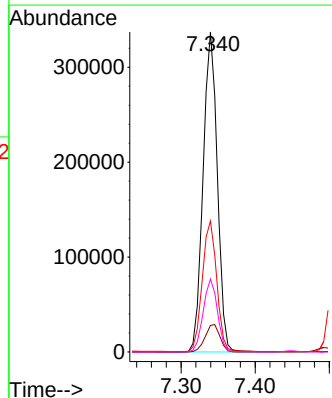
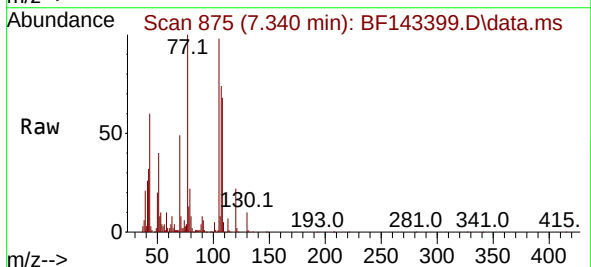
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

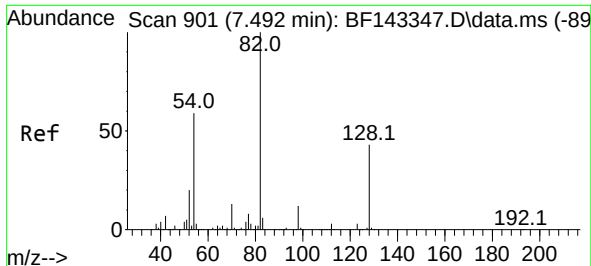
Tgt Ion:136	Resp: 585558
Ion Ratio	Lower Upper
136	100
137	11.0 8.6 13.0
54	9.6 8.4 12.6
68	6.6 5.9 8.9



#22
Acetophenone
Concen: 34.939 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:105	Resp: 450772
Ion Ratio	Lower Upper
105	100
71	8.3 6.2 9.4
51	41.0 34.8 52.2
120	22.8 17.9 26.9





#23

Nitrobenzene-d5

Concen: 78.460 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

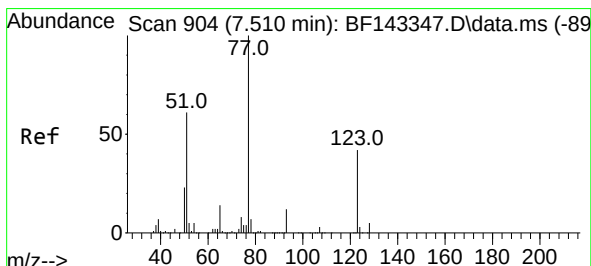
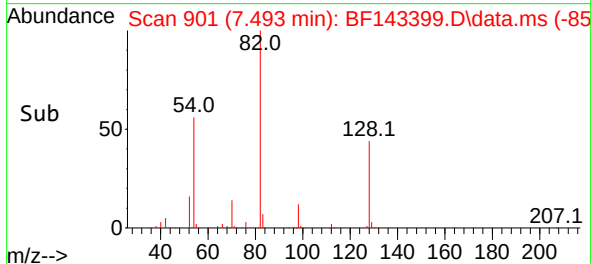
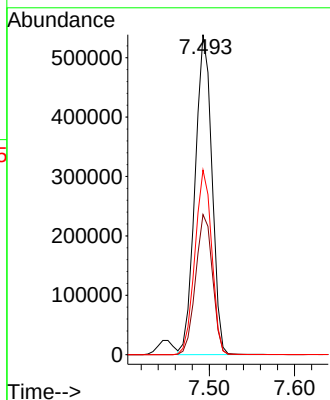
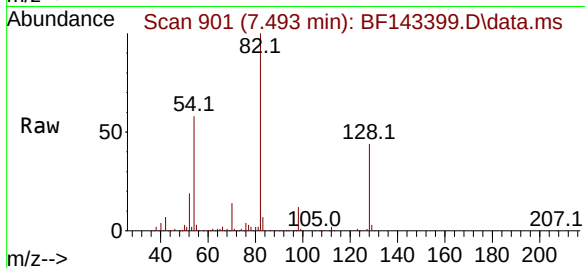
Tgt Ion: 82 Resp: 737761

Ion Ratio Lower Upper

82 100

128 43.8 33.5 50.3

54 57.7 46.7 70.1



#24

Nitrobenzene

Concen: 38.363 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

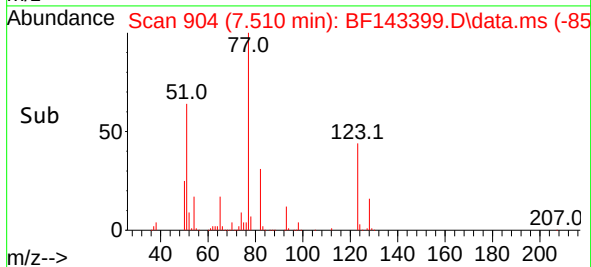
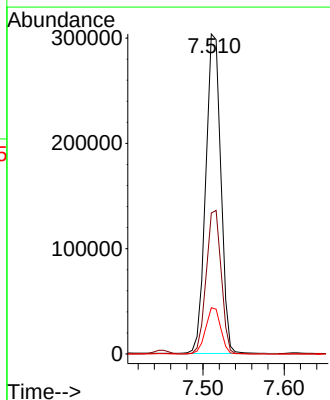
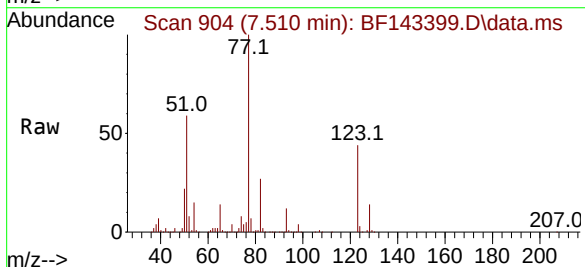
Tgt Ion: 77 Resp: 391763

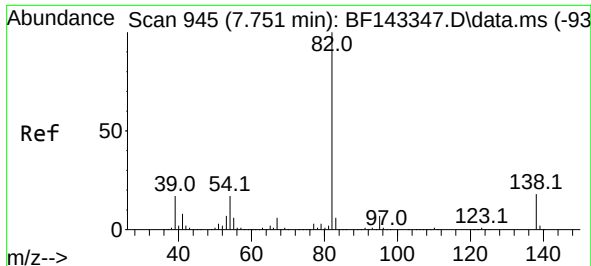
Ion Ratio Lower Upper

77 100

123 44.1 34.8 52.2

65 14.5 11.0 16.6

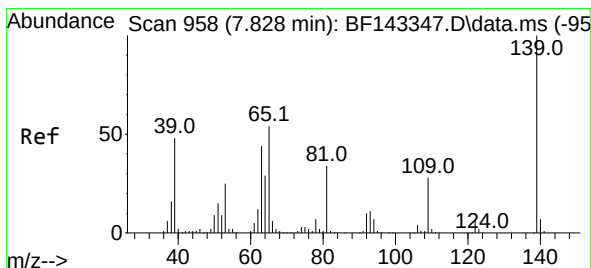
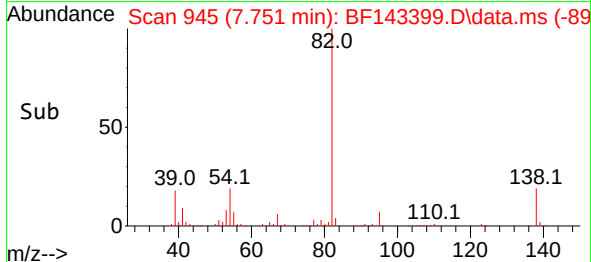
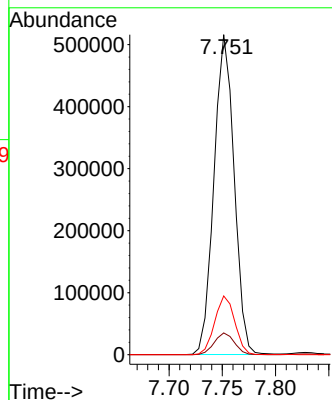
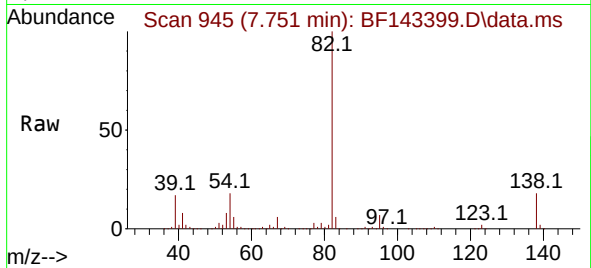




#25
Isophorone
Concen: 35.375 ng
RT: 7.751 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

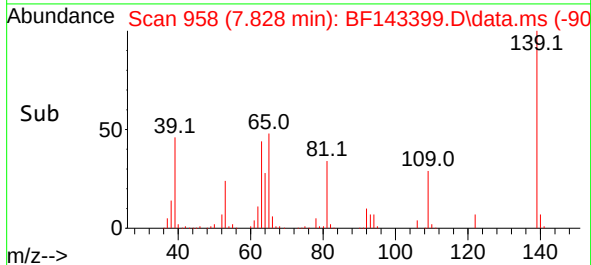
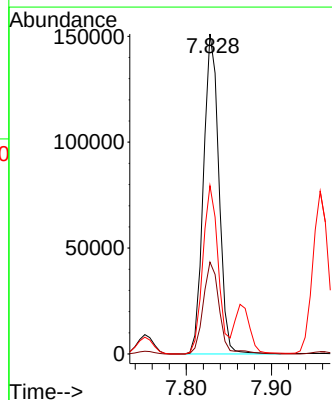
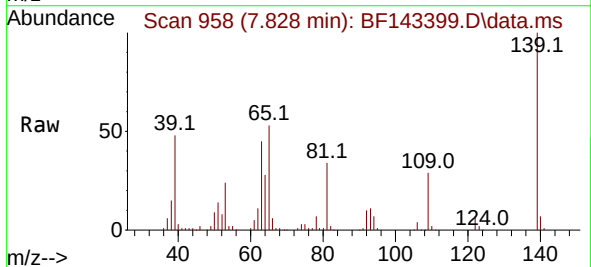
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

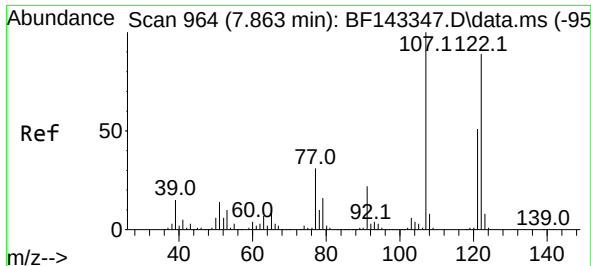
Tgt Ion:	82	Resp:	679055
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.5	8.3
138	18.3	14.6	21.8



#26
2-Nitrophenol
Concen: 46.487 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:	139	Resp:	189734
Ion Ratio	Lower	Upper	
139	100		
109	28.7	22.4	33.6
65	52.6	42.9	64.3

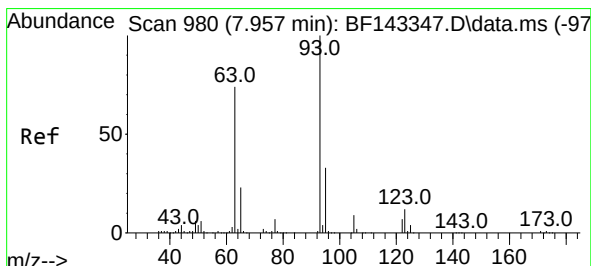
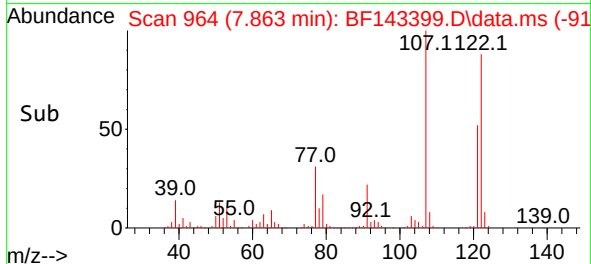
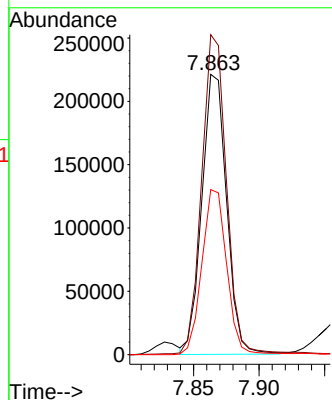
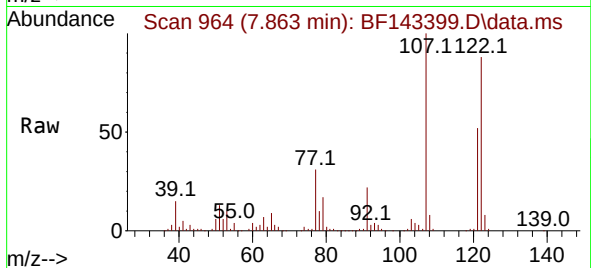




#27
2,4-Dimethylphenol
Concen: 36.381 ng
RT: 7.863 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

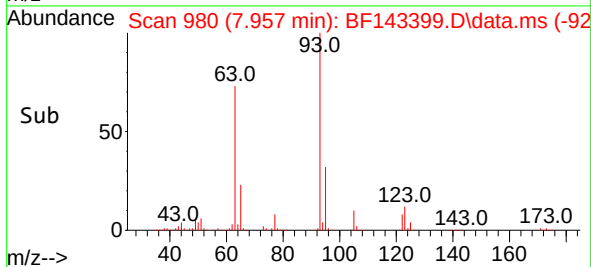
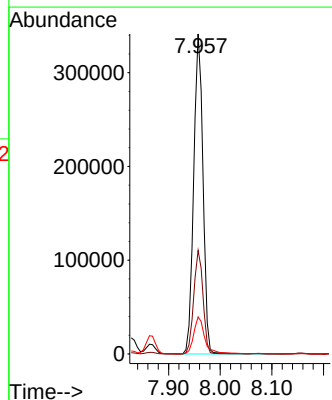
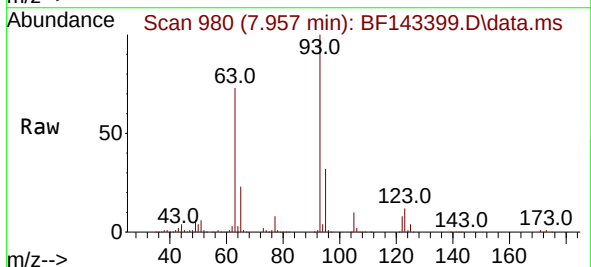
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

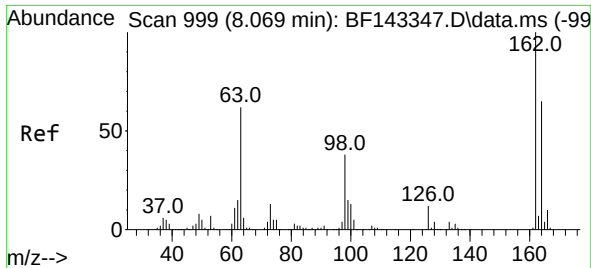
Tgt Ion:122 Resp: 291354
Ion Ratio Lower Upper
122 100
107 114.2 89.9 134.9
121 58.9 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 36.367 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion: 93 Resp: 426215
Ion Ratio Lower Upper
93 100
95 32.4 26.2 39.4
123 11.6 9.4 14.2

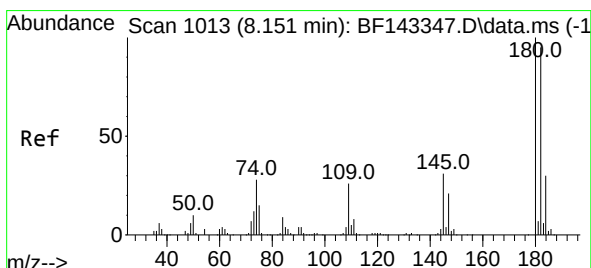
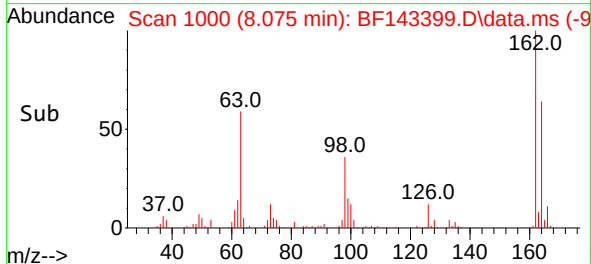
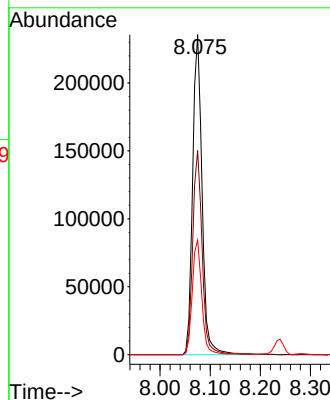
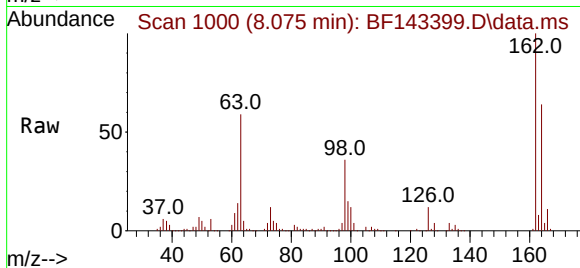




#29
2,4-Dichlorophenol
Concen: 39.458 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

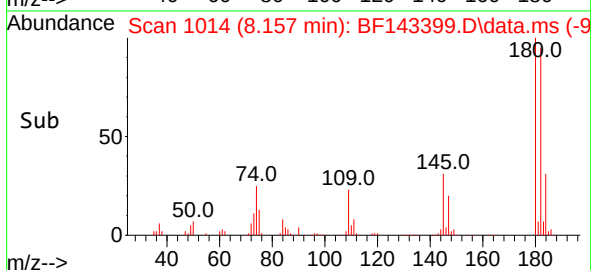
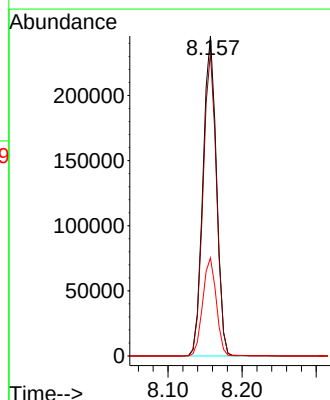
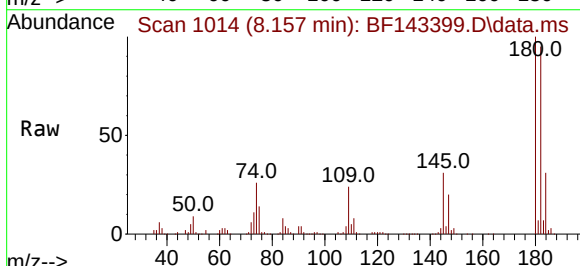
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

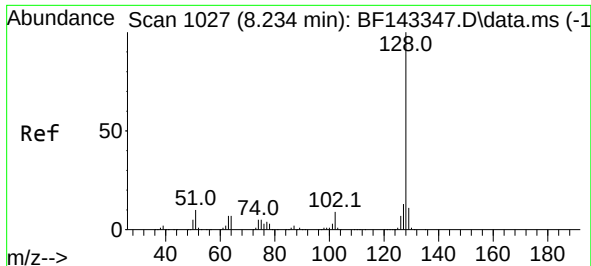
Tgt Ion:162 Resp: 308637
Ion Ratio Lower Upper
162 100
164 63.8 44.5 84.5
98 35.8 17.7 57.7



#30
1,2,4-Trichlorobenzene
Concen: 37.571 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:180 Resp: 309994
Ion Ratio Lower Upper
180 100
182 94.8 76.1 114.1
145 30.7 24.9 37.3

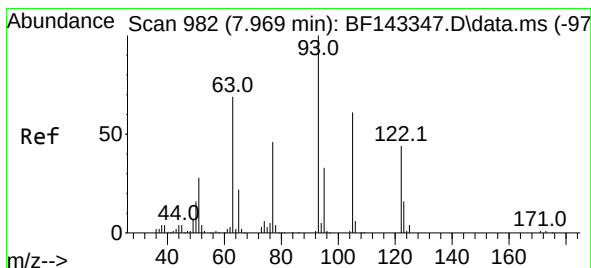
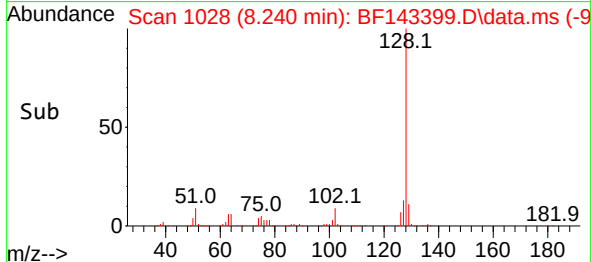
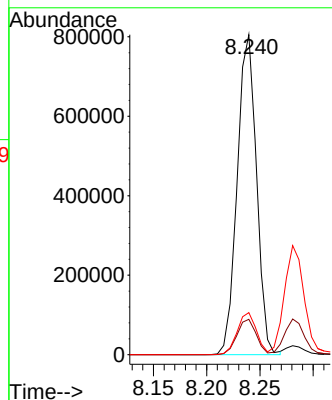
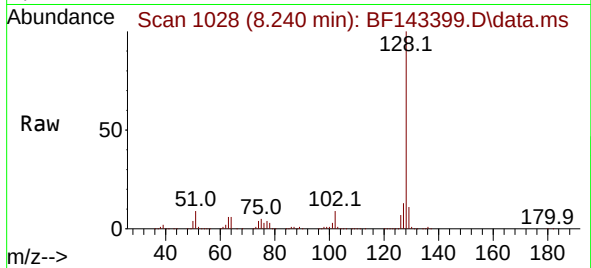




#31
Naphthalene
Concen: 36.045 ng
RT: 8.240 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

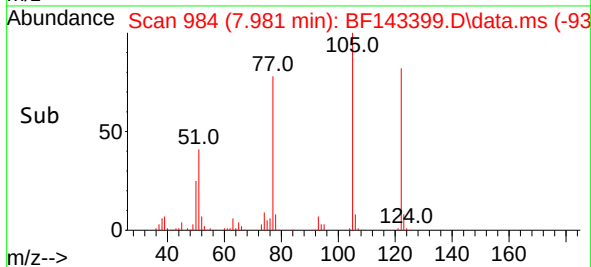
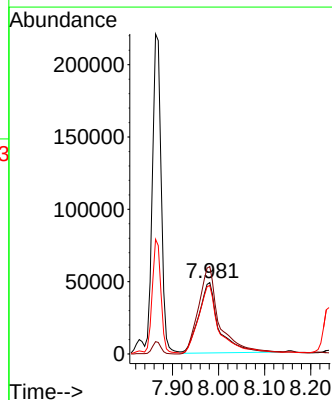
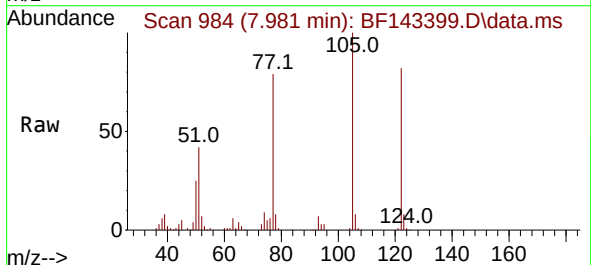
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

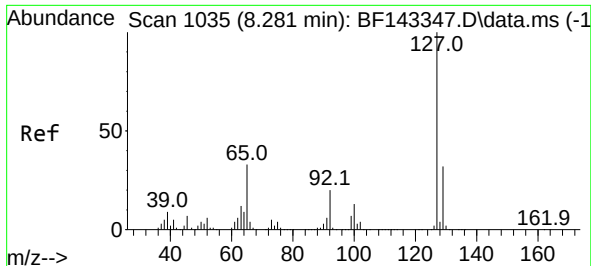
Tgt Ion:128 Resp: 1015616
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 44.034 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.012 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:122 Resp: 148637
Ion Ratio Lower Upper
122 100
105 122.3 106.4 146.4
77 96.1 79.2 119.2

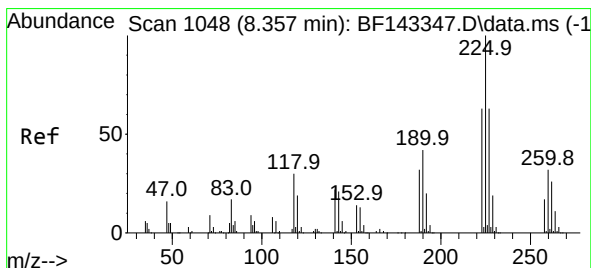
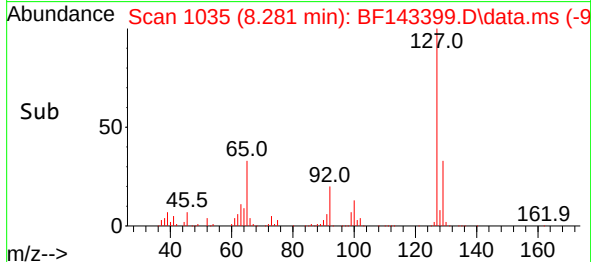
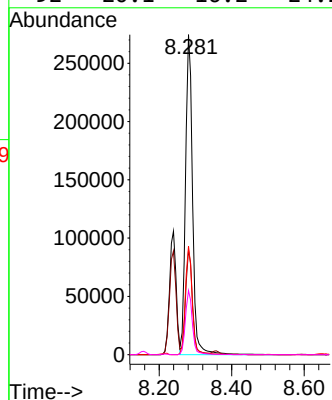
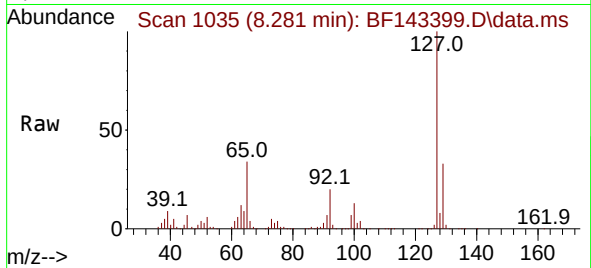




#33
4-Chloroaniline
Concen: 36.342 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

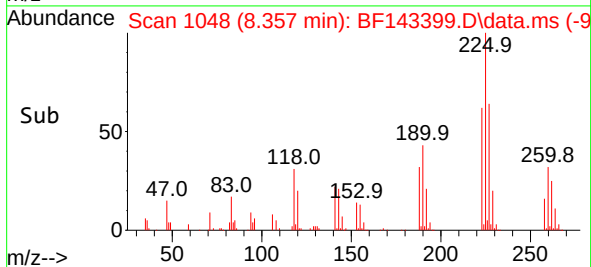
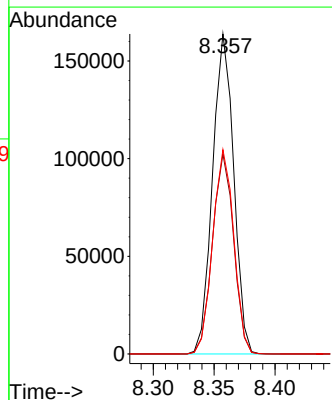
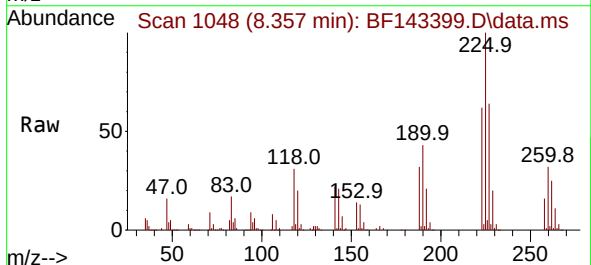
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

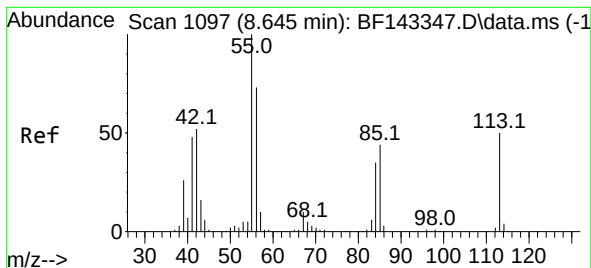
Tgt Ion:	127	Resp:	369334
Ion Ratio	Lower	Upper	
127	100		
129	32.7	26.0	39.0
65	33.9	27.0	40.4
92	20.1	16.2	24.2



#34
Hexachlorobutadiene
Concen: 38.562 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:	225	Resp:	197920
Ion Ratio	Lower	Upper	
225	100		
223	62.5	50.1	75.1
227	63.9	50.6	75.8





#35

Caprolactam

Concen: 39.416 ng

RT: 8.645 min Scan# 1107

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

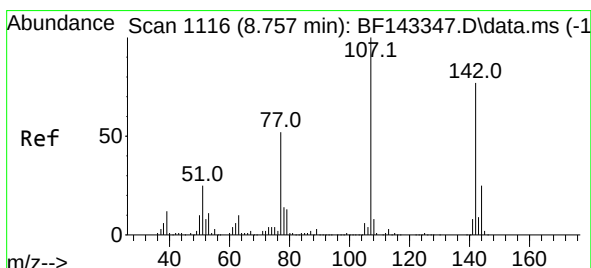
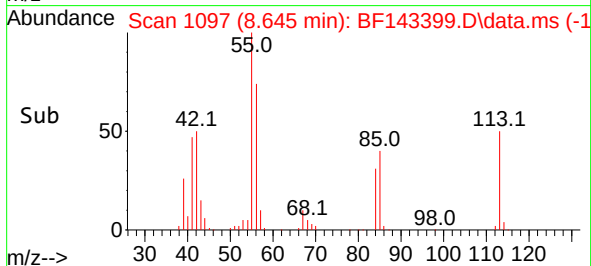
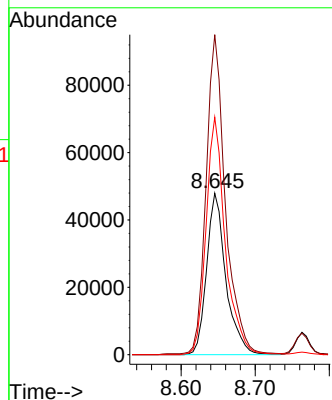
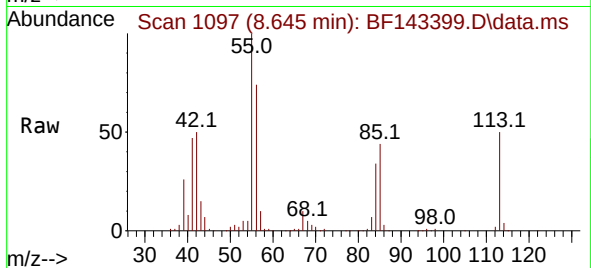
Tgt Ion:113 Resp: 86672

Ion Ratio Lower Upper

113 100

55 198.1 181.4 221.4

56 147.0 127.3 167.3



#36

4-Chloro-3-methylphenol

Concen: 36.961 ng

RT: 8.763 min Scan# 1117

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

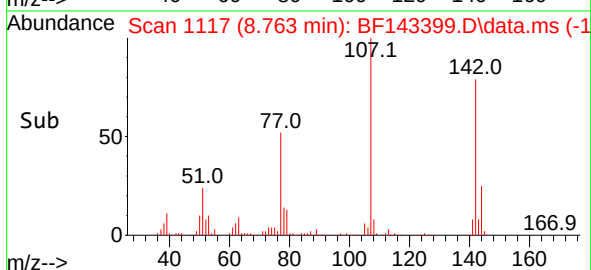
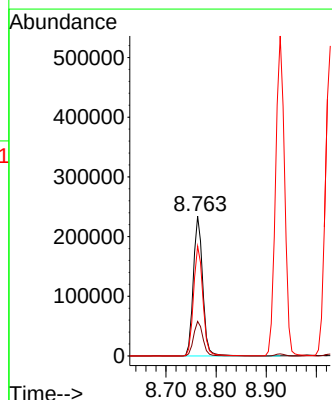
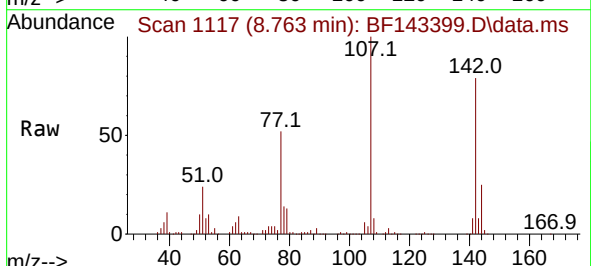
Tgt Ion:107 Resp: 303083

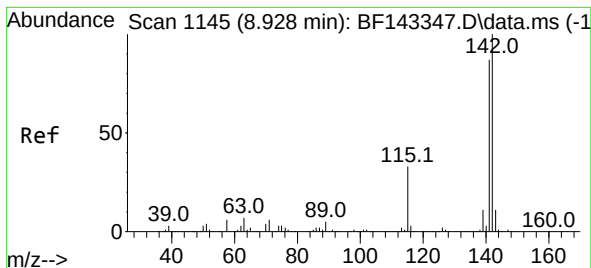
Ion Ratio Lower Upper

107 100

144 24.8 20.0 30.0

142 78.5 61.3 91.9

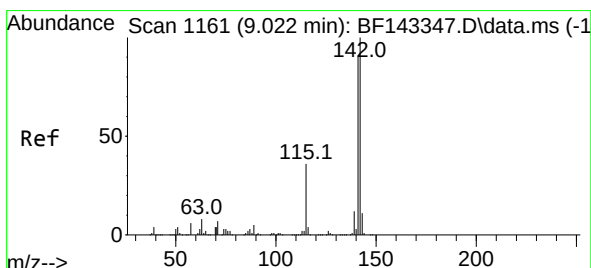
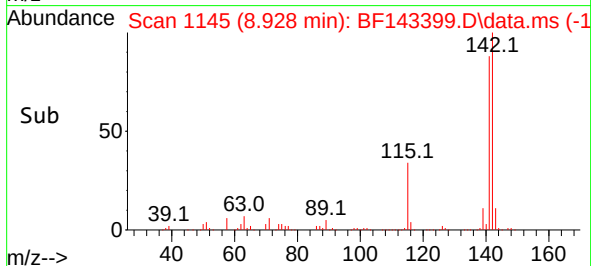
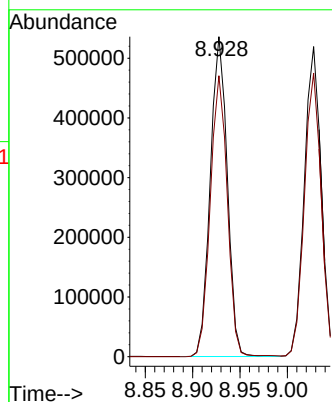
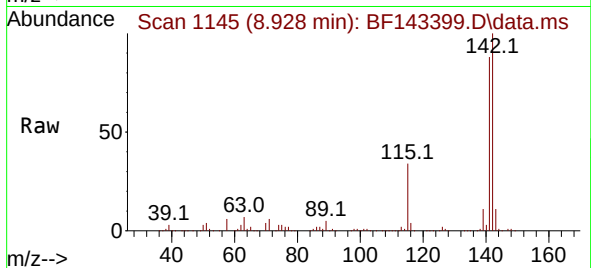




#37
2-Methylnaphthalene
Concen: 36.070 ng
RT: 8.928 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

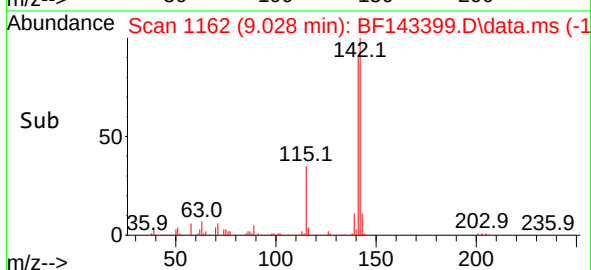
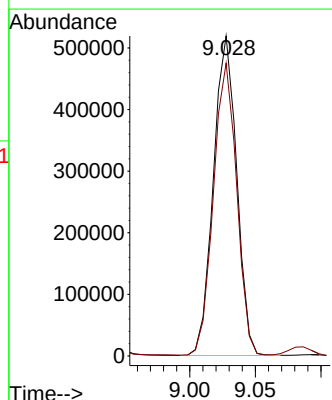
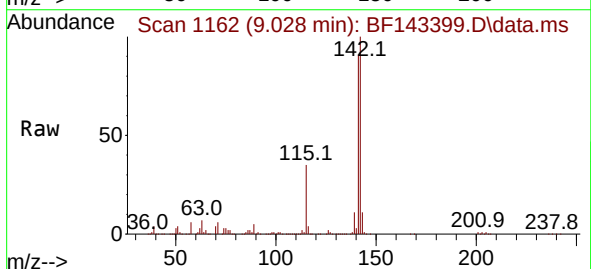
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

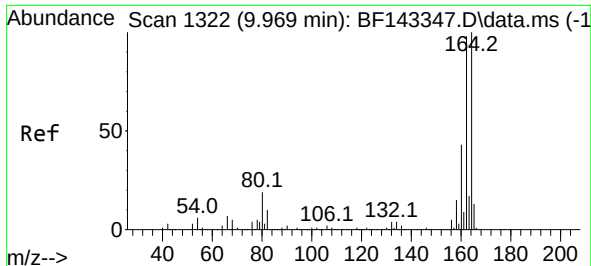
Tgt Ion:142 Resp: 668140
Ion Ratio Lower Upper
142 100
141 87.8 69.8 104.8



#38
1-Methylnaphthalene
Concen: 35.896 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:142 Resp: 640396
Ion Ratio Lower Upper
142 100
141 91.5 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1174

Delta R.T. -0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

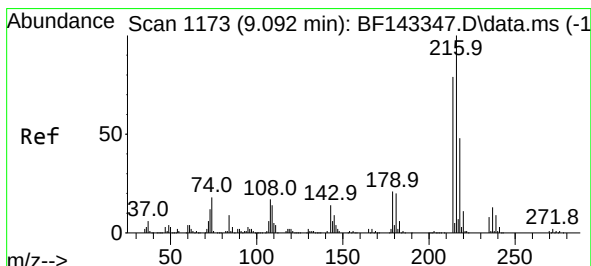
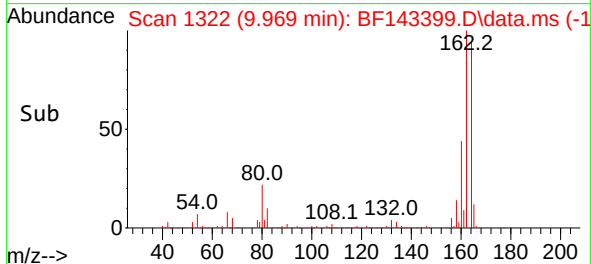
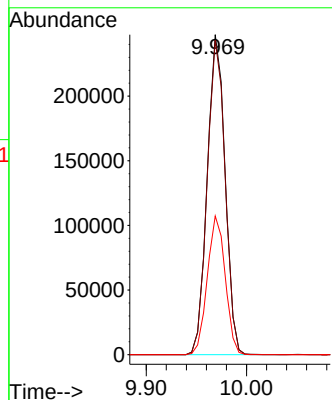
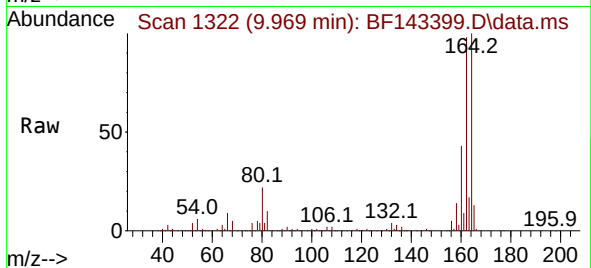
Tgt Ion:164 Resp: 307669

Ion Ratio Lower Upper

164 100

162 98.3 78.6 118.0

160 43.3 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.276 ng

RT: 9.098 min Scan# 1174

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Tgt Ion:216 Resp: 313835

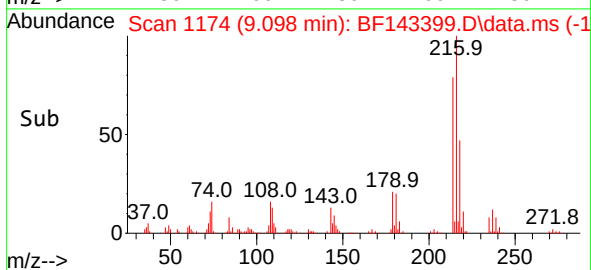
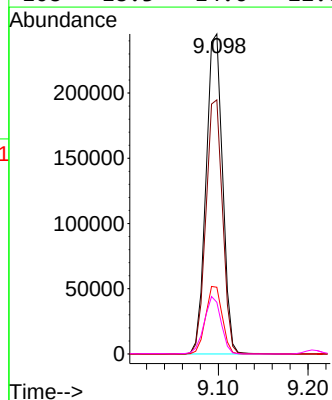
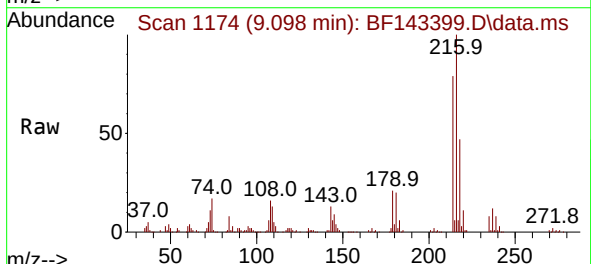
Ion Ratio Lower Upper

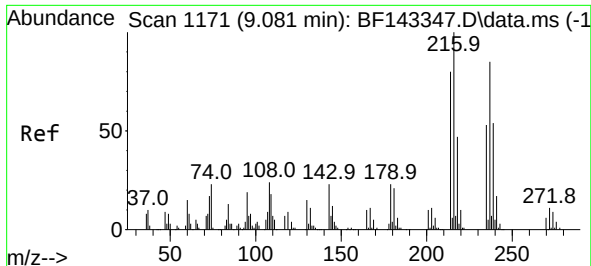
216 100

214 79.8 63.0 94.4

179 21.1 17.0 25.4

108 18.3 14.6 22.0

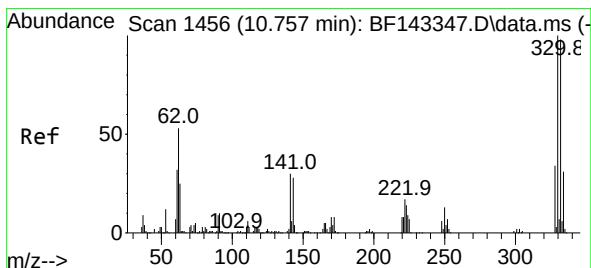
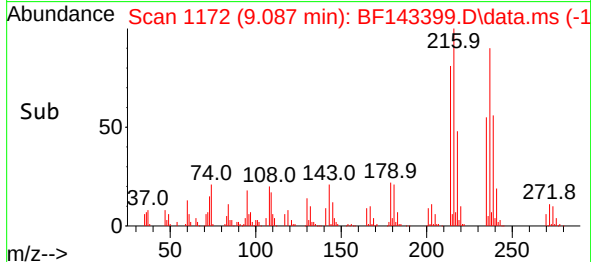
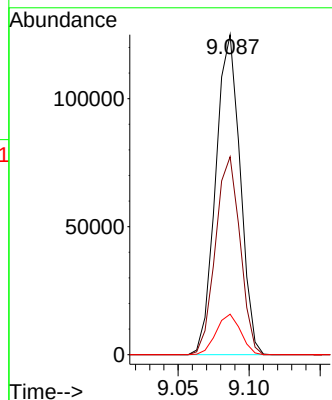
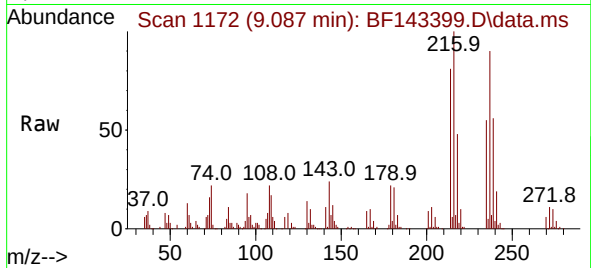




#41
Hexachlorocyclopentadiene
Concen: 52.784 ng
RT: 9.087 min Scan# 1171
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

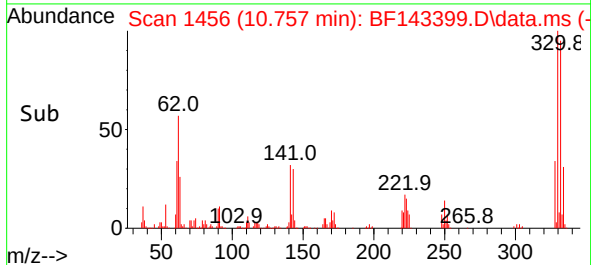
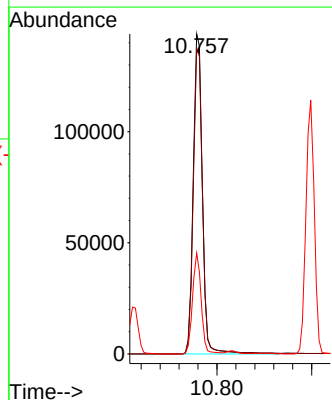
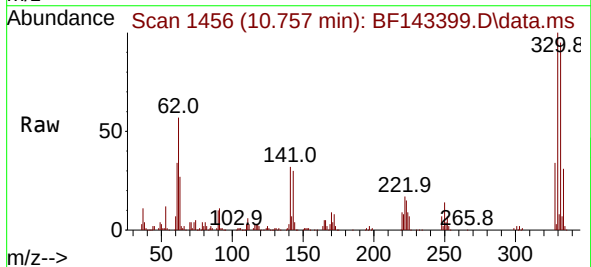
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

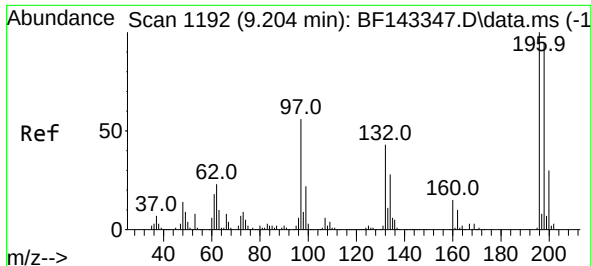
Tgt Ion:237	Resp: 149463
Ion Ratio	Lower Upper
237 100	
235 61.8	42.0 82.0
272 12.6	0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 86.257 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

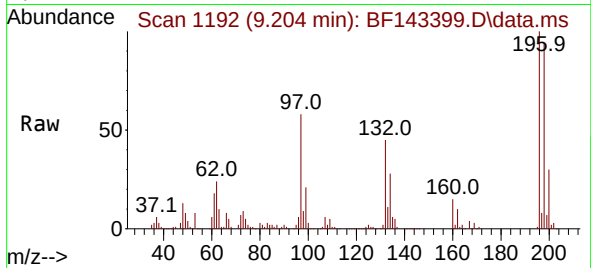
Tgt Ion:330	Resp:	193949	
Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.1	117.1
141	29.8	25.4	38.0



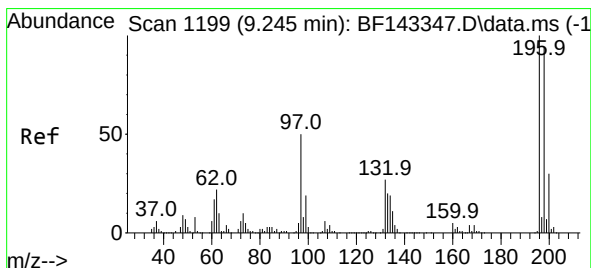
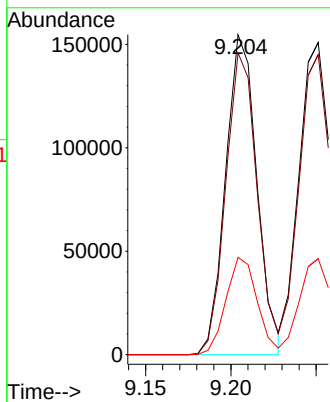
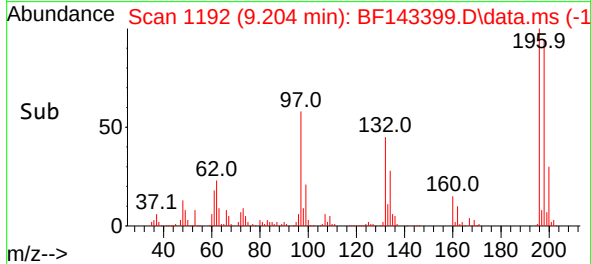


#43
2,4,6-Trichlorophenol
Concen: 41.302 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

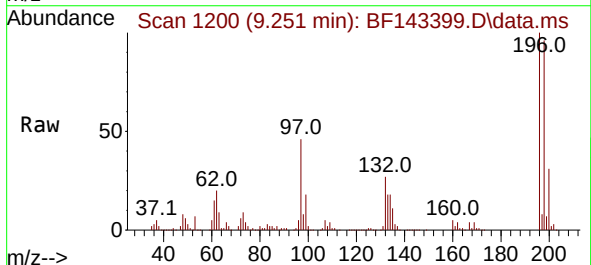
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



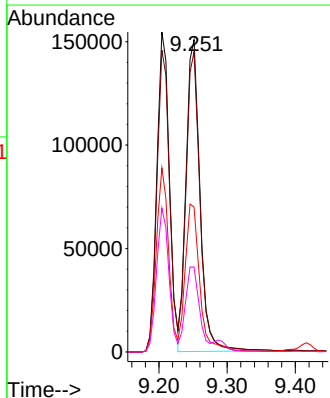
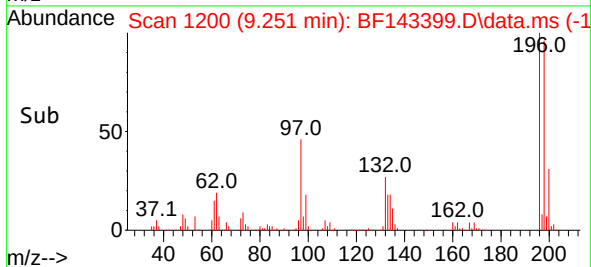
Tgt Ion:196 Resp: 197297
Ion Ratio Lower Upper
196 100
198 94.3 75.4 113.0
200 30.4 24.3 36.5

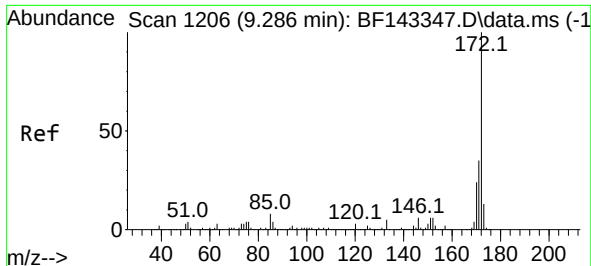


#44
2,4,5-Trichlorophenol
Concen: 39.752 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54



Tgt Ion:196 Resp: 214438
Ion Ratio Lower Upper
196 100
198 96.1 75.4 113.2
97 46.4 39.9 59.9
132 27.2 22.6 33.8

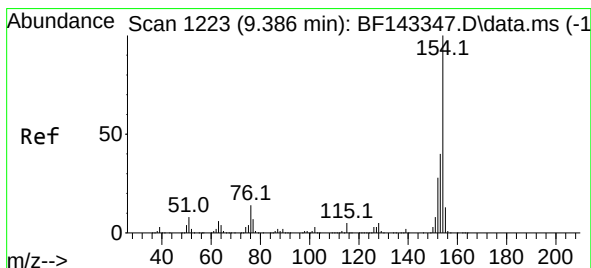
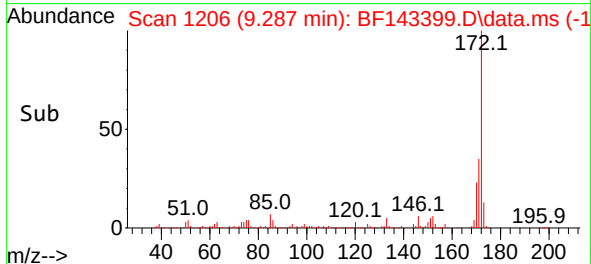
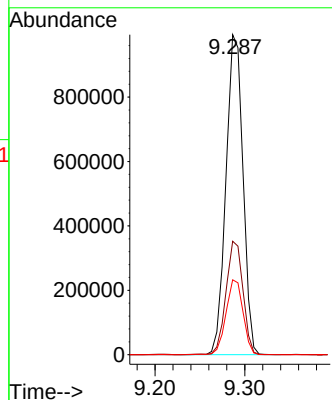
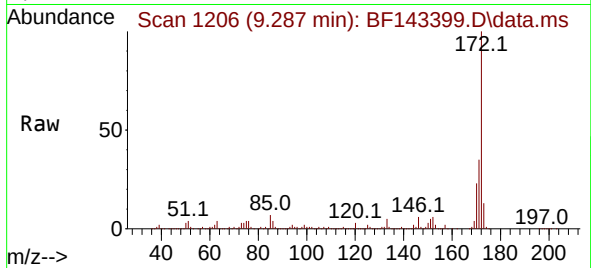




#45
2-Fluorobiphenyl
Concen: 72.124 ng
RT: 9.287 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

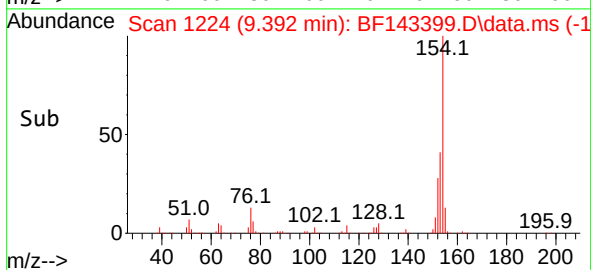
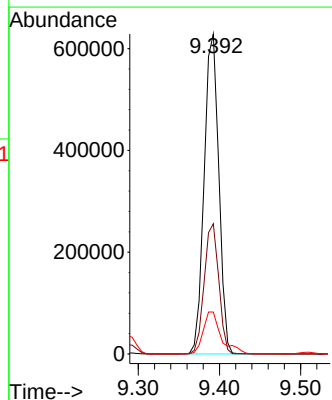
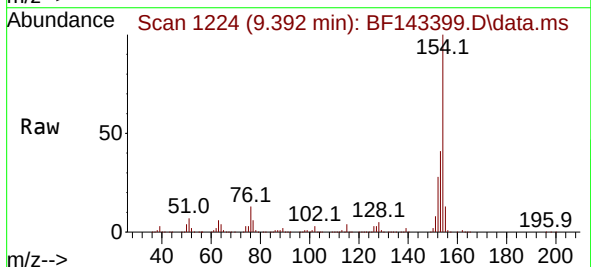
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

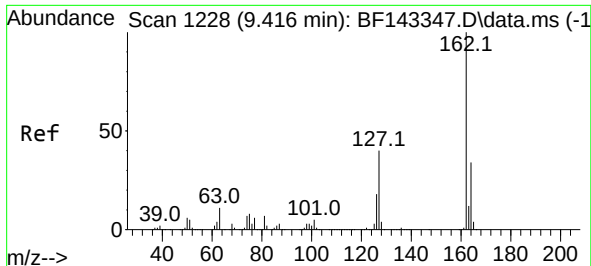
Tgt Ion:172 Resp: 1308576
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.4 19.1 28.7



#46
1,1'-Biphenyl
Concen: 36.146 ng
RT: 9.392 min Scan# 1224
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:154 Resp: 786326
Ion Ratio Lower Upper
154 100
153 40.7 20.2 60.2
76 13.1 0.0 34.4





#47

2-Chloronaphthalene

Concen: 36.686 ng

RT: 9.416 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

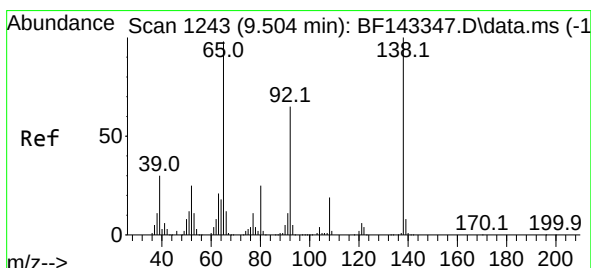
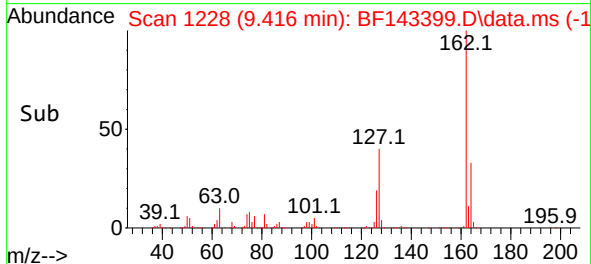
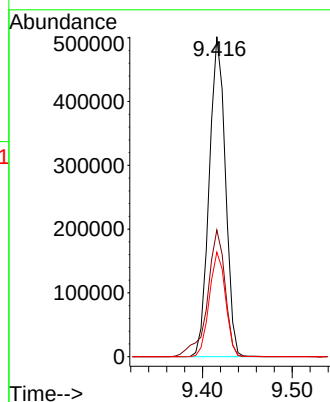
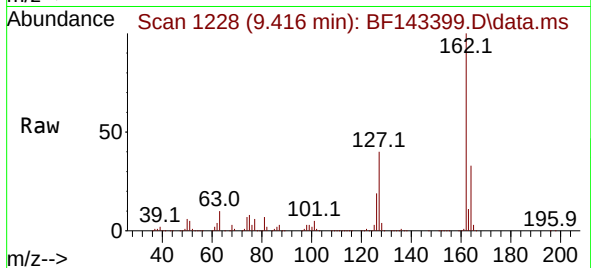
Tgt Ion:162 Resp: 628536

Ion Ratio Lower Upper

162 100

127 39.6 32.1 48.1

164 32.7 27.0 40.4



#48

2-Nitroaniline

Concen: 39.015 ng

RT: 9.510 min Scan# 1244

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

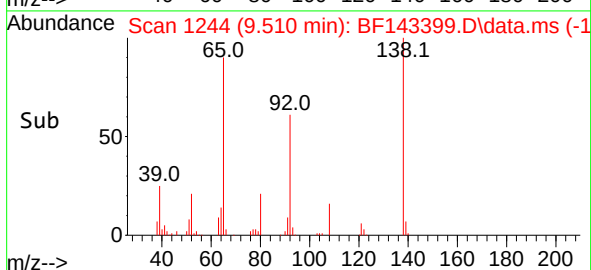
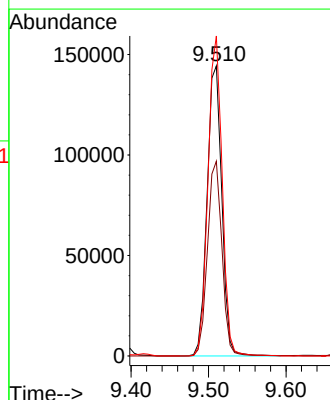
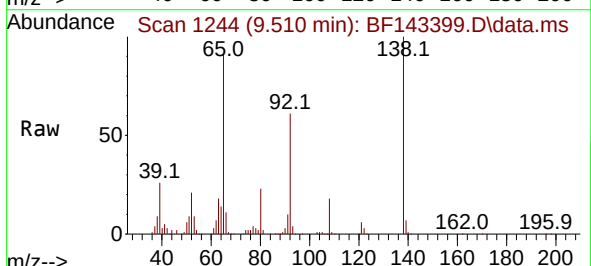
Tgt Ion: 65 Resp: 190071

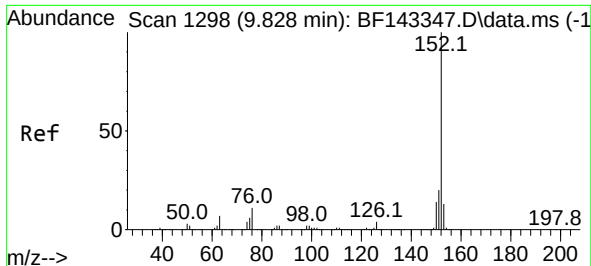
Ion Ratio Lower Upper

65 100

92 67.1 53.1 79.7

138 110.3 81.4 122.0

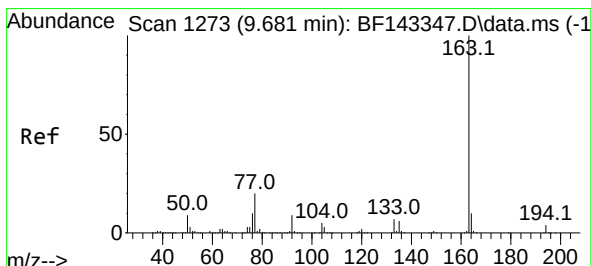
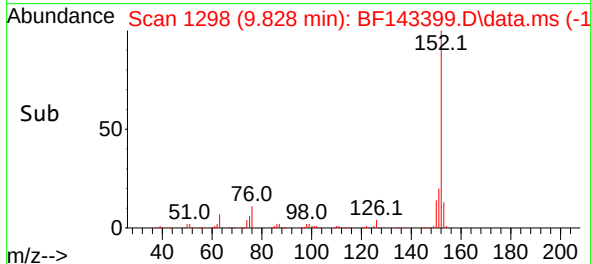
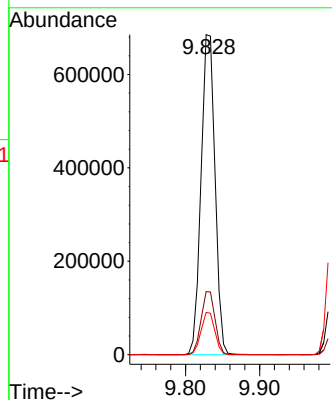
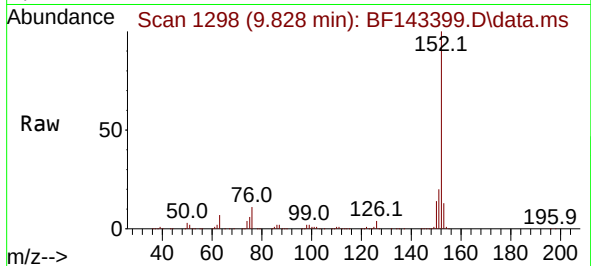




#49
Acenaphthylene
Concen: 36.320 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

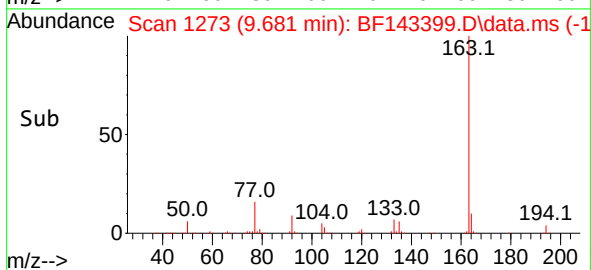
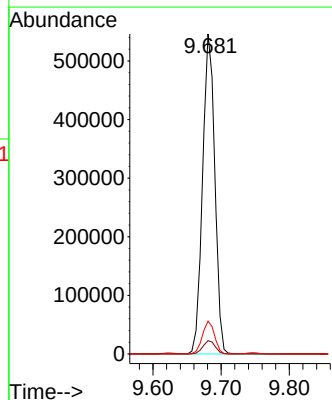
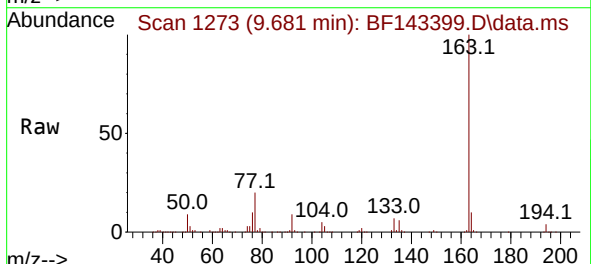
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

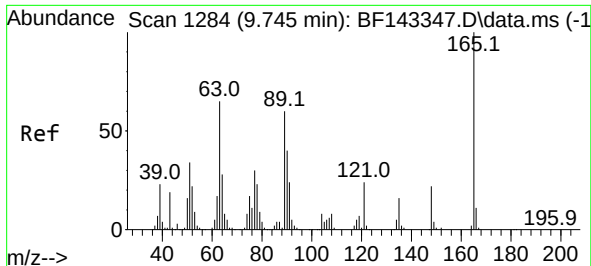
Tgt Ion:152 Resp: 898622
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 13.2 10.6 16.0



#50
Dimethylphthalate
Concen: 37.964 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:163 Resp: 682495
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 8.2 12.2

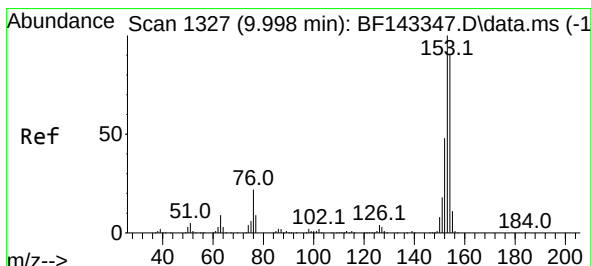
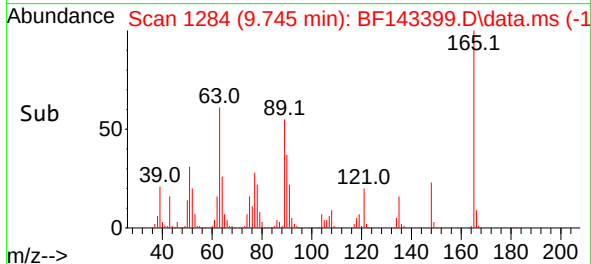
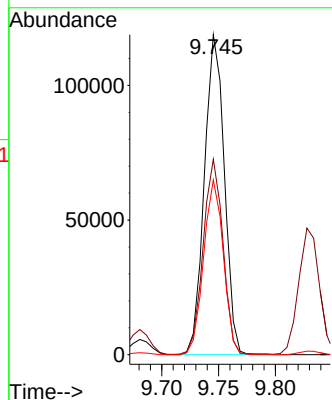
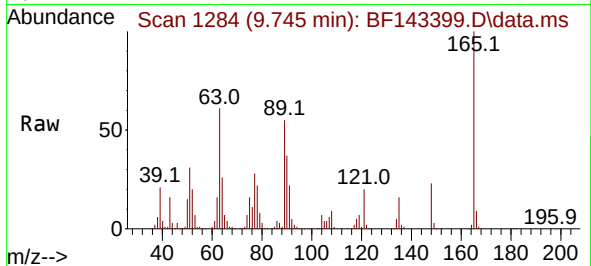




#51
2,6-Dinitrotoluene
Concen: 43.044 ng
RT: 9.745 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

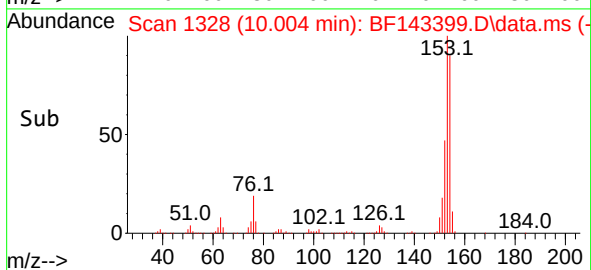
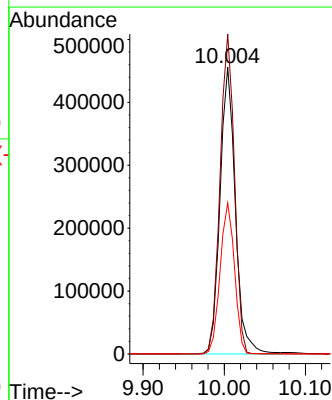
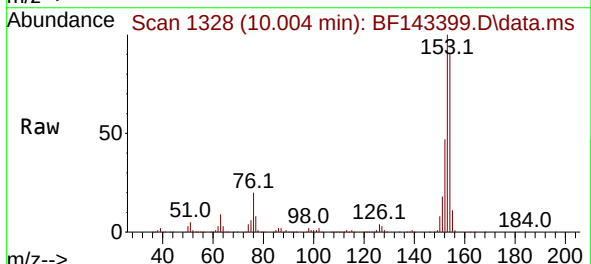
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

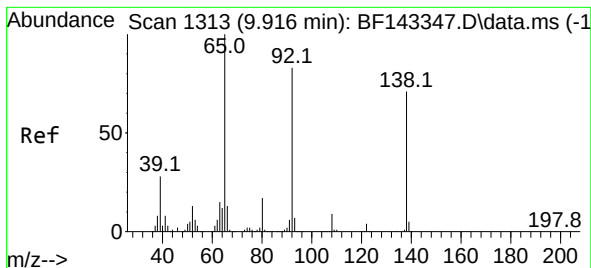
Tgt Ion:165 Resp: 145324
Ion Ratio Lower Upper
165 100
63 61.1 51.6 77.4
89 54.6 47.7 71.5



#52
Acenaphthene
Concen: 36.404 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:154 Resp: 598801
Ion Ratio Lower Upper
154 100
153 111.7 88.5 132.7
152 52.7 42.4 63.6

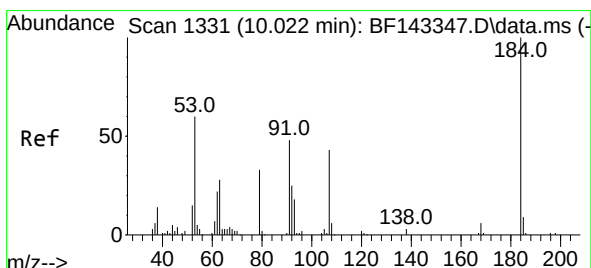
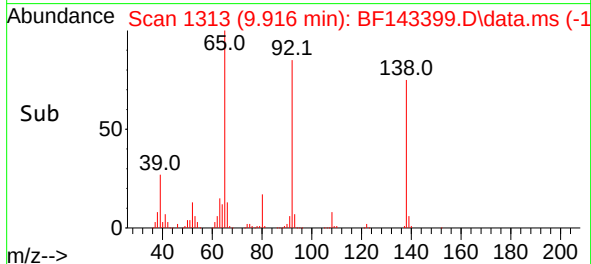
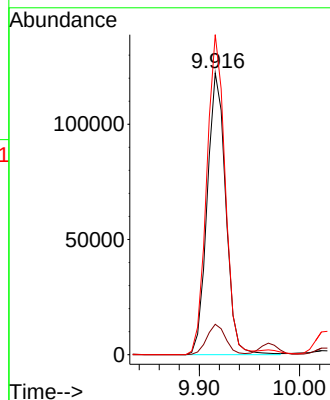
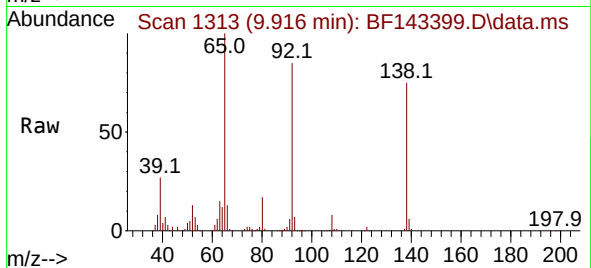




#53
3-Nitroaniline
Concen: 42.759 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

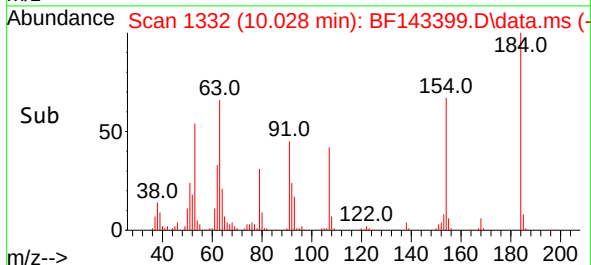
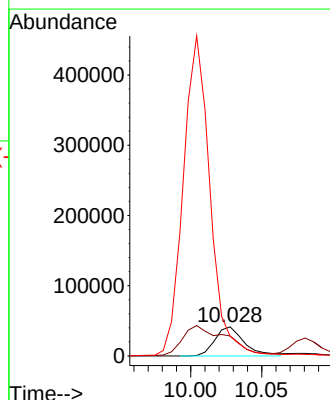
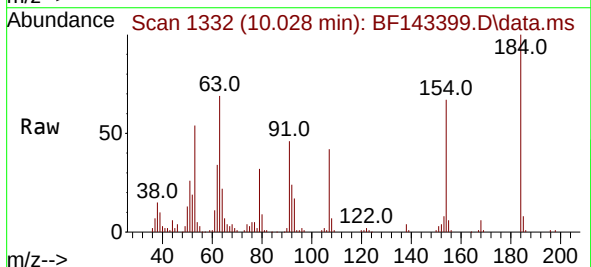
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

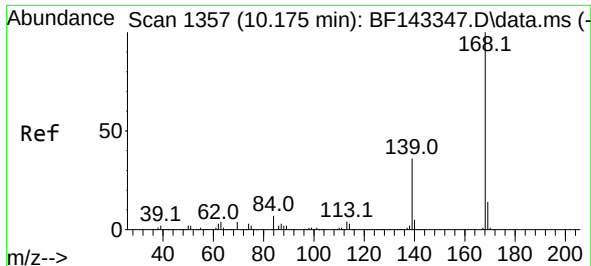
Tgt Ion:138 Resp: 157424
Ion Ratio Lower Upper
138 100
108 10.8 9.6 14.4
92 113.6 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 51.347 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:184 Resp: 59555
Ion Ratio Lower Upper
184 100
63 69.0 62.5 93.7
154 67.5 73.0 109.4#

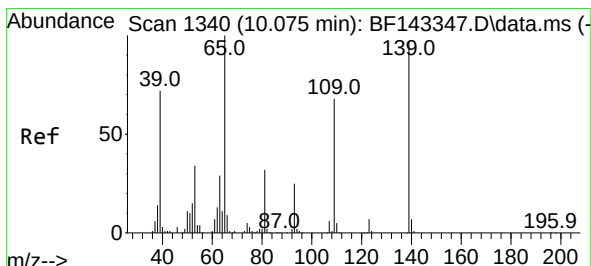
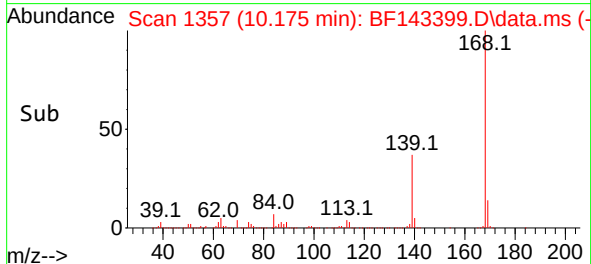
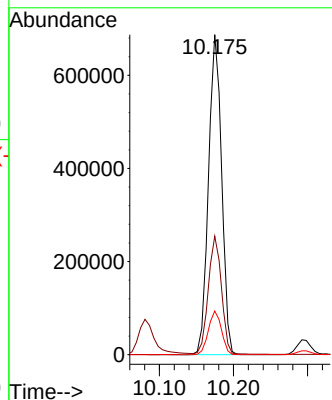
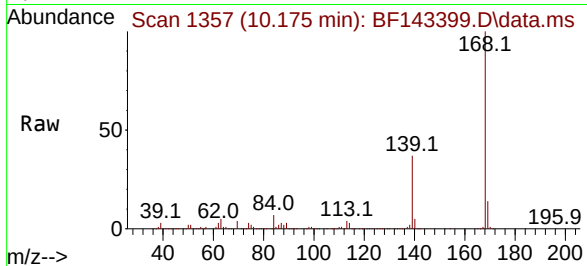




#55
Dibenzofuran
Concen: 35.775 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

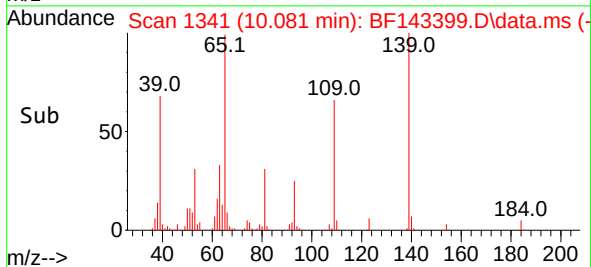
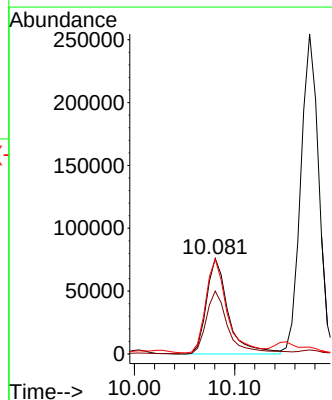
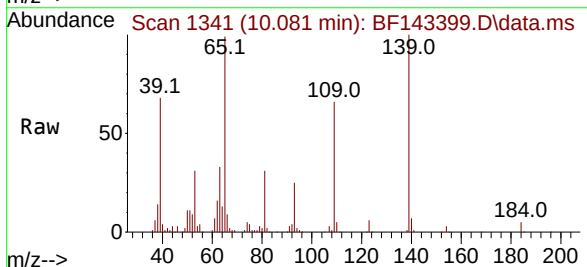
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

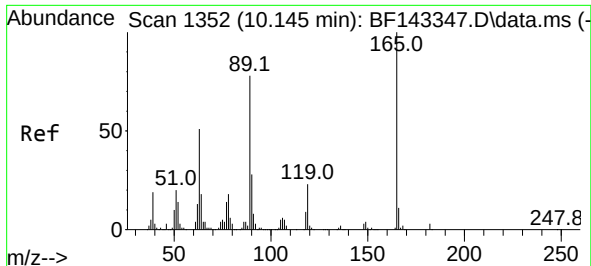
Tgt Ion:168 Resp: 846919
Ion Ratio Lower Upper
168 100
139 37.0 29.4 44.0
169 13.7 11.0 16.6



#56
4-Nitrophenol
Concen: 41.856 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:139 Resp: 114908
Ion Ratio Lower Upper
139 100
109 65.8 49.4 89.4
65 99.1 83.7 123.7

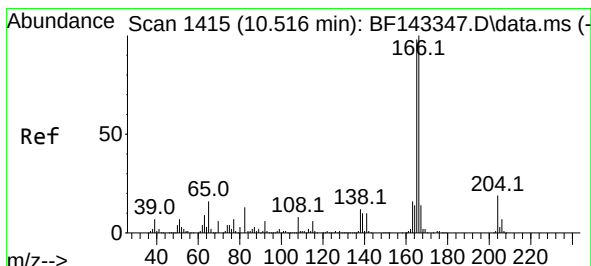
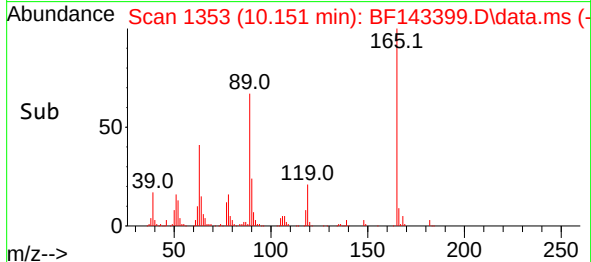
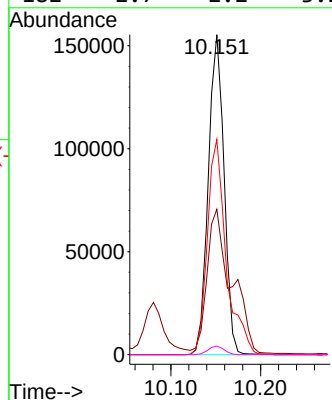
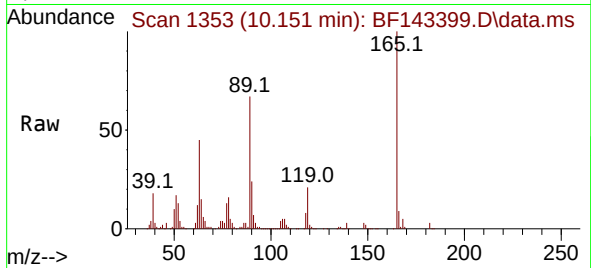




#57
2,4-Dinitrotoluene
Concen: 42.395 ng
RT: 10.151 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

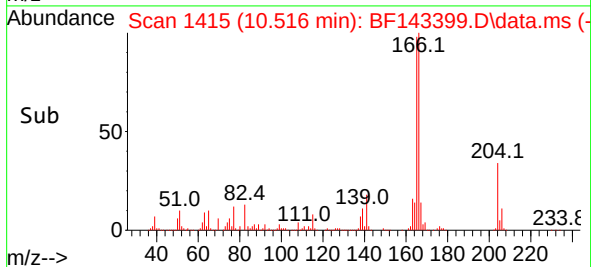
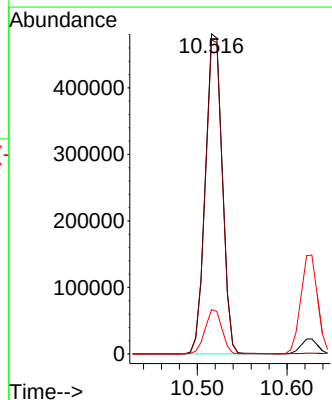
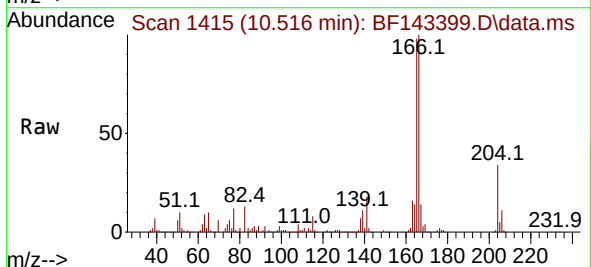
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

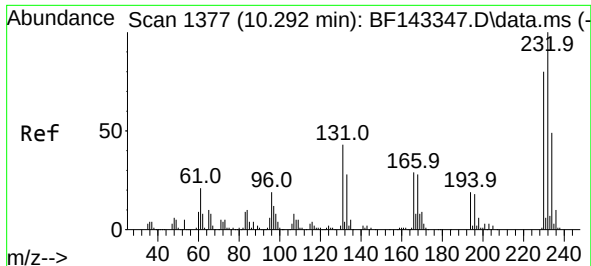
Tgt Ion:165 Resp: 189688
Ion Ratio Lower Upper
165 100
63 45.4 41.8 62.8
89 67.2 62.4 93.6
182 2.7 2.2 3.2



#58
Fluorene
Concen: 34.878 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:166 Resp: 630662
Ion Ratio Lower Upper
166 100
165 98.2 78.2 117.4
167 13.9 10.9 16.3

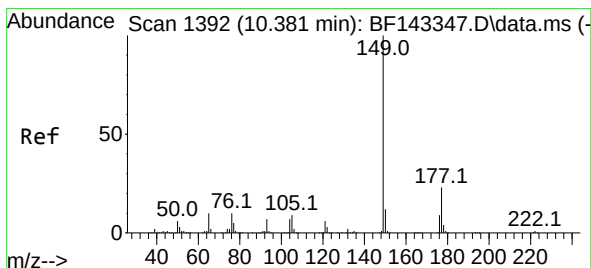
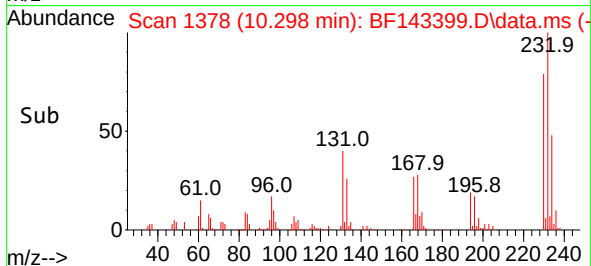
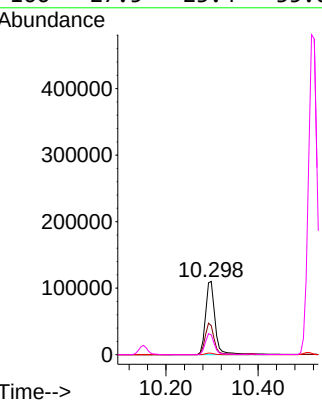
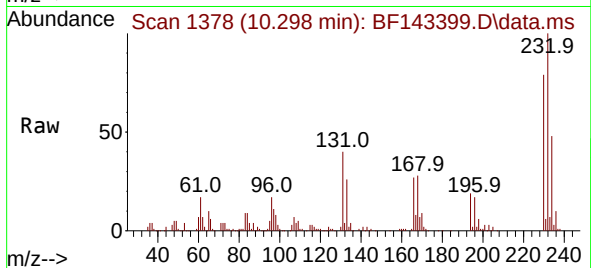




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.560 ng
RT: 10.298 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

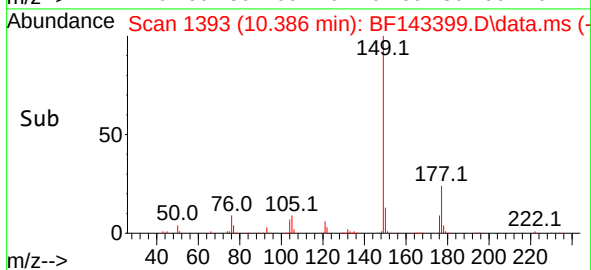
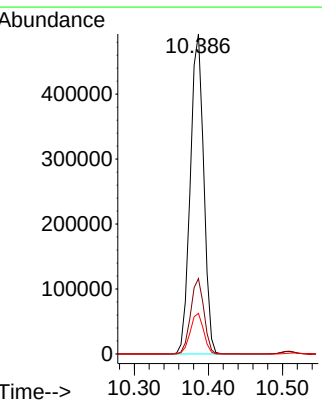
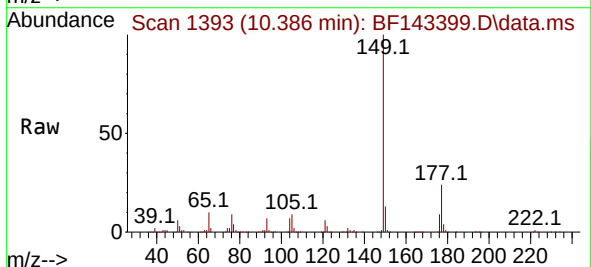
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

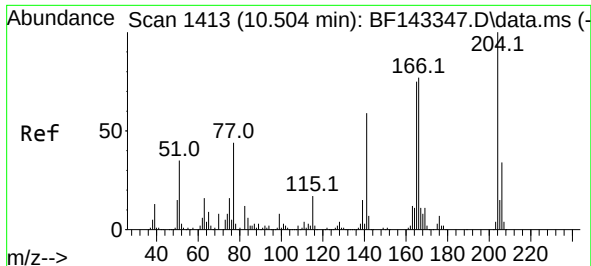
Tgt Ion:232 Resp: 158397
Ion Ratio Lower Upper
232 100
131 40.9 34.6 51.8
130 1.9 1.7 2.5
166 27.5 23.4 35.0



#60
Diethylphthalate
Concen: 38.637 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:149 Resp: 622164
Ion Ratio Lower Upper
149 100
177 23.6 18.2 27.2
150 12.7 9.9 14.9

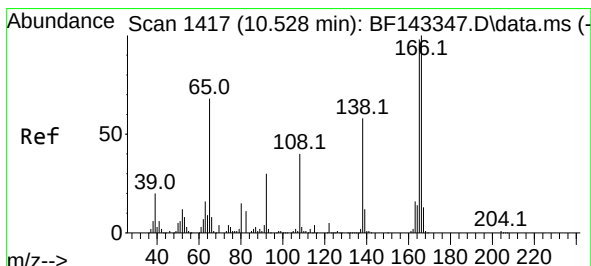
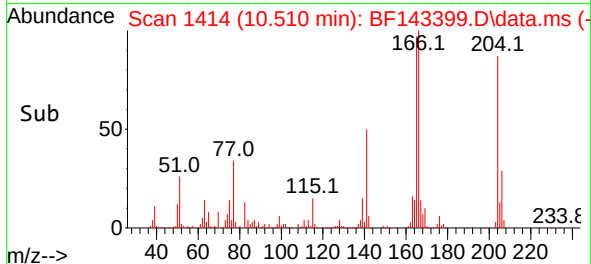
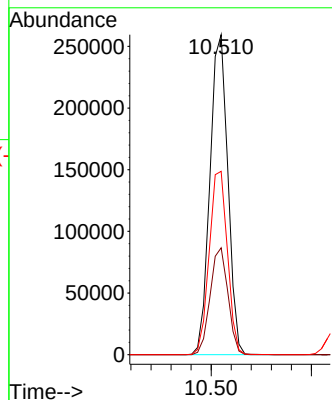
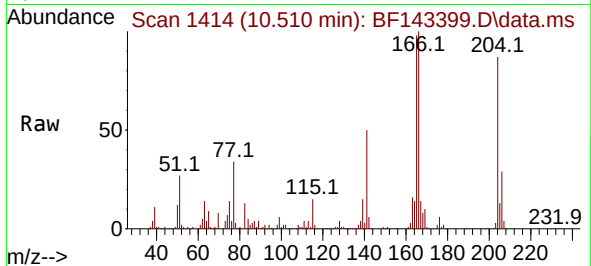




#61
4-Chlorophenyl-phenylether
Concen: 36.713 ng
RT: 10.510 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

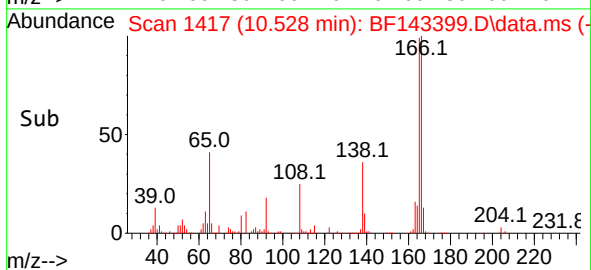
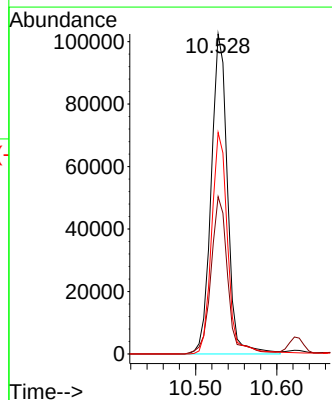
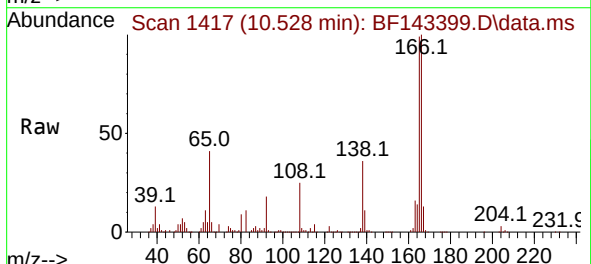
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

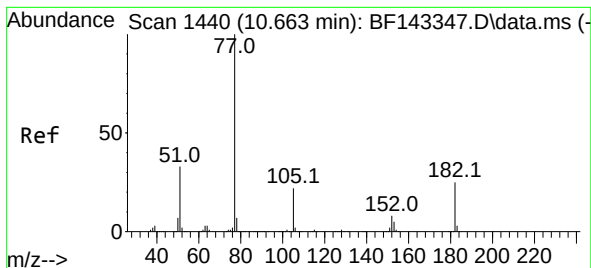
Tgt Ion:204 Resp: 320765
Ion Ratio Lower Upper
204 100
206 33.4 27.4 41.2
141 57.3 46.9 70.3



#62
4-Nitroaniline
Concen: 40.094 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:138 Resp: 142815
Ion Ratio Lower Upper
138 100
92 49.2 31.2 71.2
108 69.2 48.1 88.1





#63

Azobenzene

Concen: 34.469 ng

RT: 10.669 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 633989

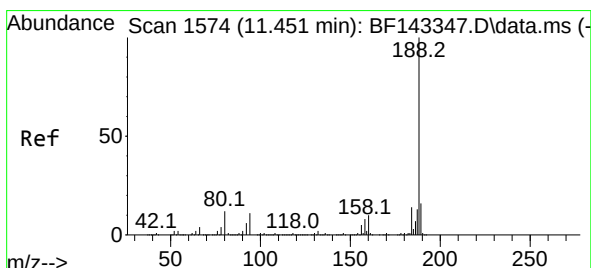
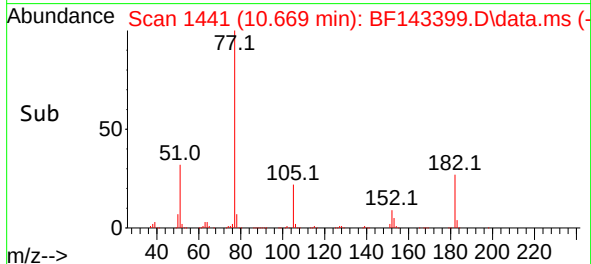
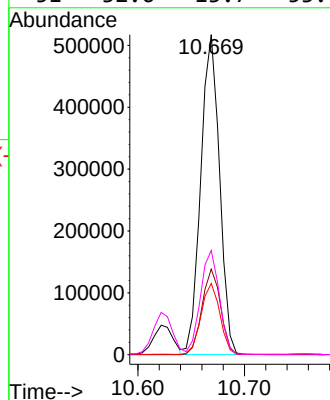
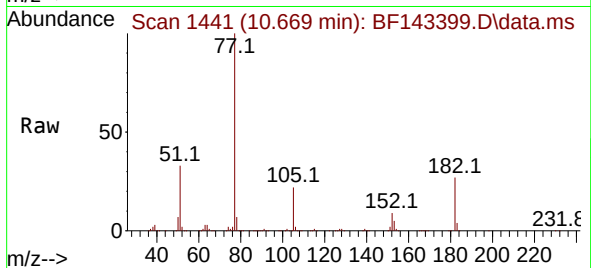
Ion Ratio Lower Upper

77 100

182 26.7 4.4 44.4

105 22.3 1.8 41.8

51 32.6 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1575

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

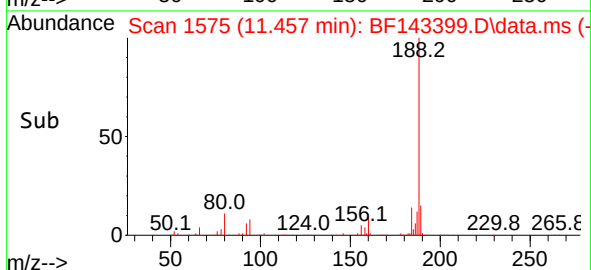
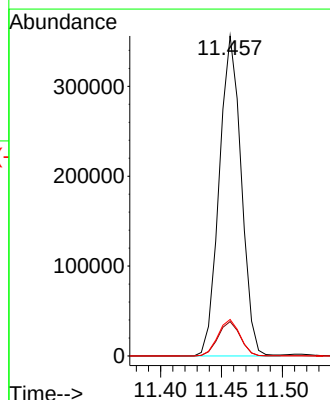
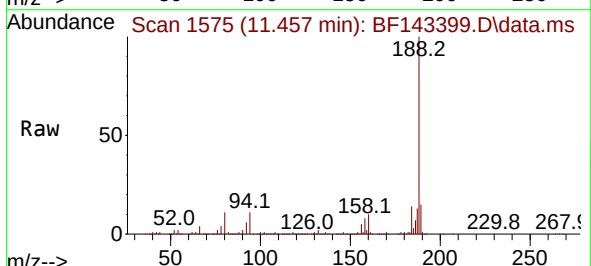
Tgt Ion: 188 Resp: 448323

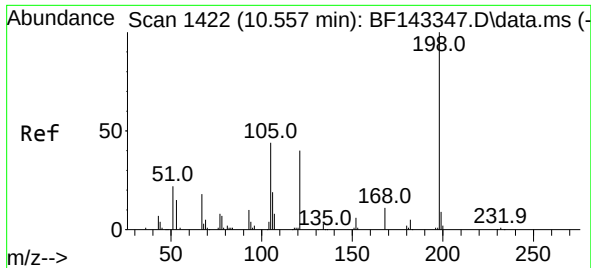
Ion Ratio Lower Upper

188 100

94 10.7 8.8 13.2

80 11.4 9.7 14.5

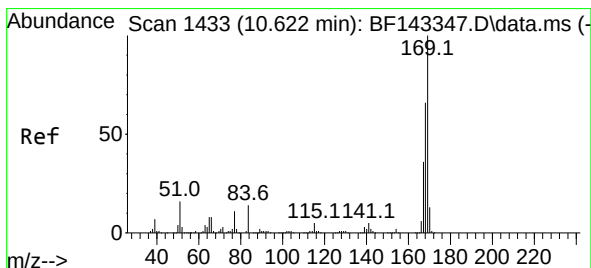
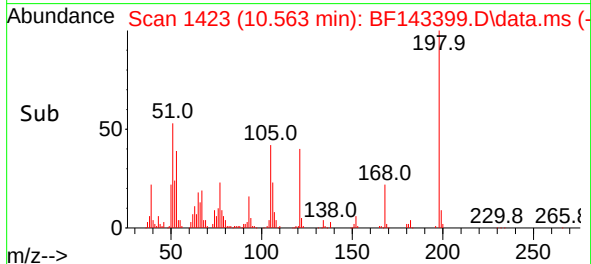
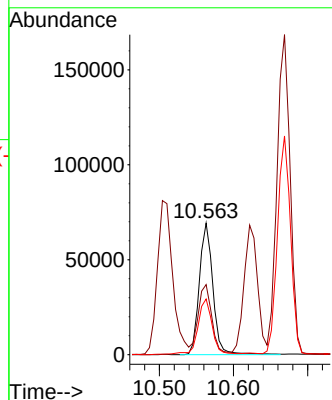
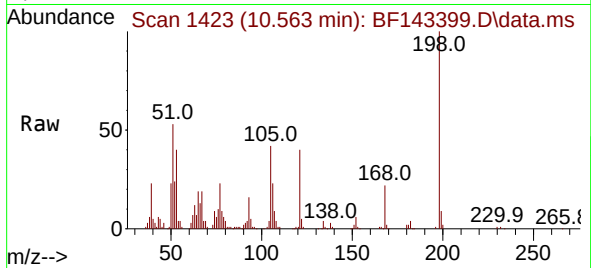




#65
4,6-Dinitro-2-methylphenol
Concen: 48.521 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

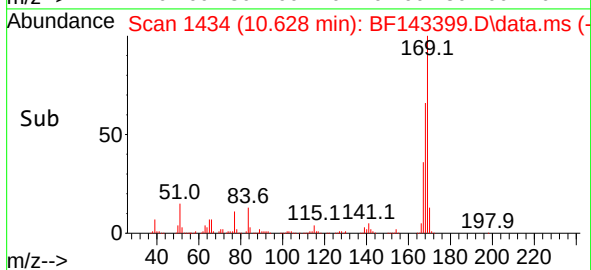
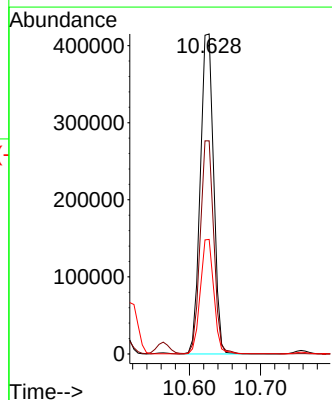
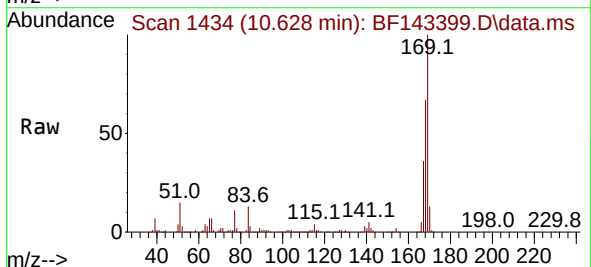
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

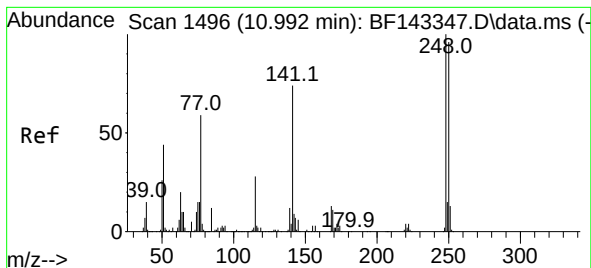
Tgt Ion:198 Resp: 88176
Ion Ratio Lower Upper
198 100
51 53.3 41.7 81.7
105 42.4 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 36.871 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:169 Resp: 544301
Ion Ratio Lower Upper
169 100
168 66.6 52.7 79.1
167 35.8 28.6 42.8

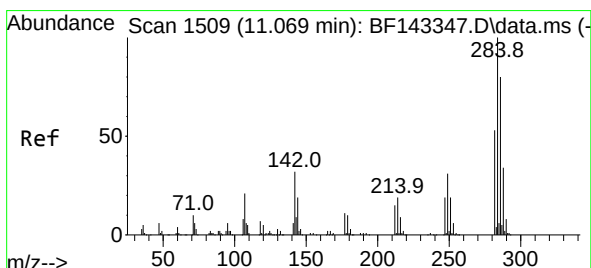
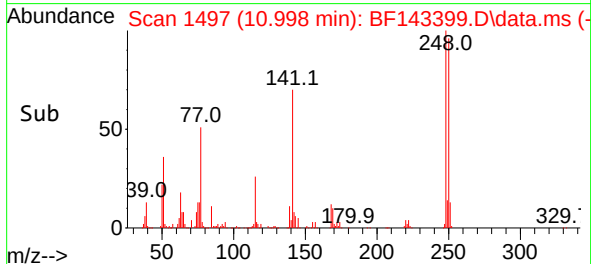
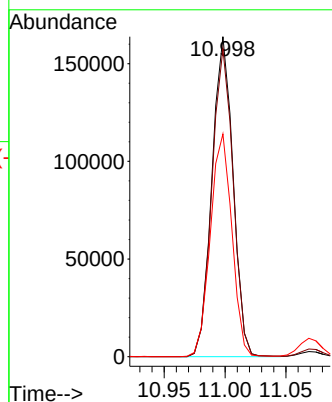
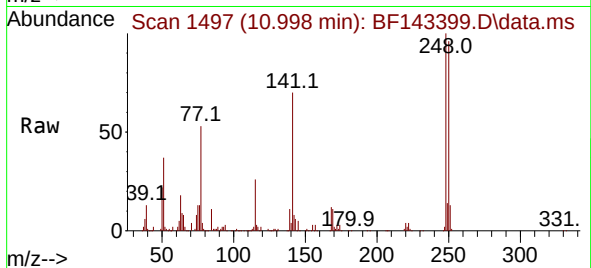




#67
4-Bromophenyl-phenylether
Concen: 38.580 ng
RT: 10.998 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

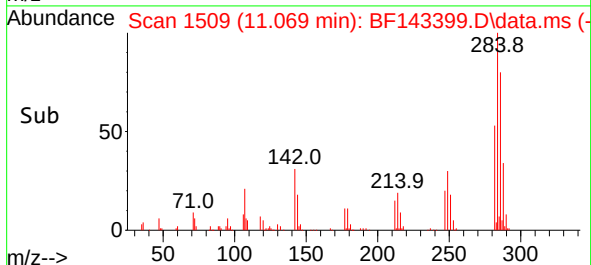
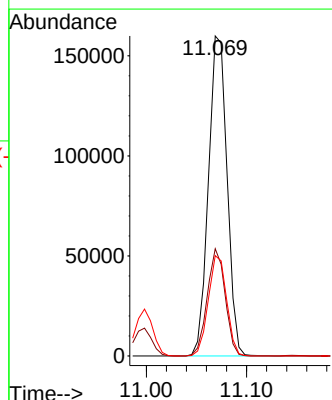
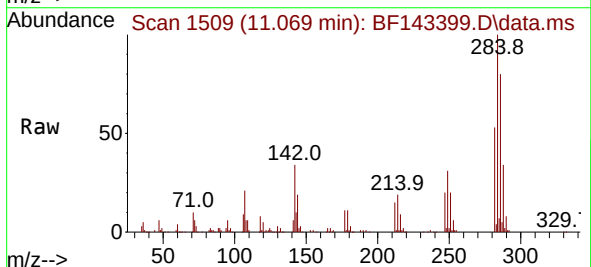
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

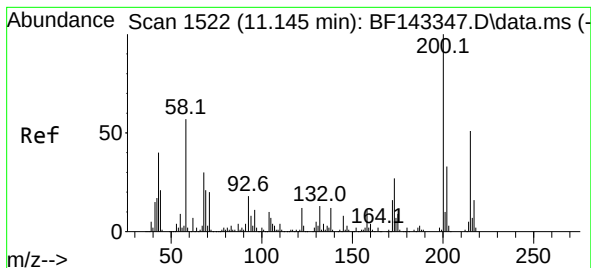
Tgt Ion:248 Resp: 197816
Ion Ratio Lower Upper
248 100
250 96.2 77.1 115.7
141 69.6 59.1 88.7



#68
Hexachlorobenzene
Concen: 37.421 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:284 Resp: 206818
Ion Ratio Lower Upper
284 100
142 33.5 25.7 38.5
249 31.4 24.6 37.0





#69

Atrazine

Concen: 42.535 ng

RT: 11.151 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

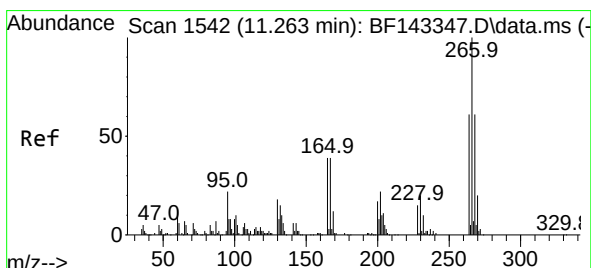
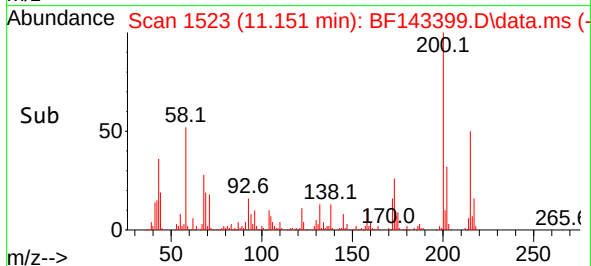
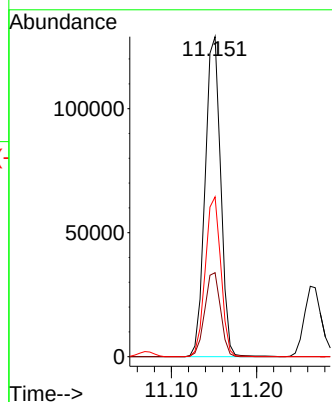
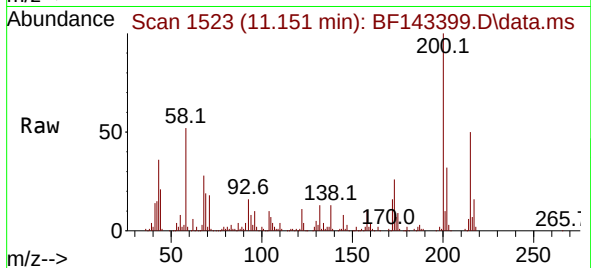
Tgt Ion:200 Resp: 163775

Ion Ratio Lower Upper

200 100

173 26.3 6.6 46.6

215 49.9 30.6 70.6



#70

Pentachlorophenol

Concen: 94.322 ng

RT: 11.269 min Scan# 1543

Delta R.T. 0.006 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

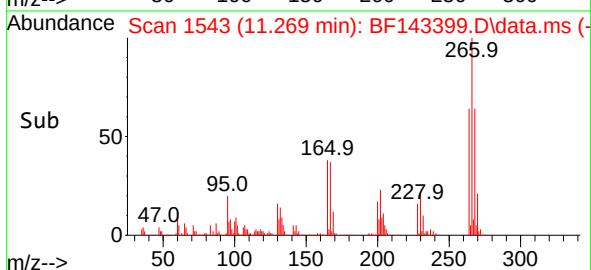
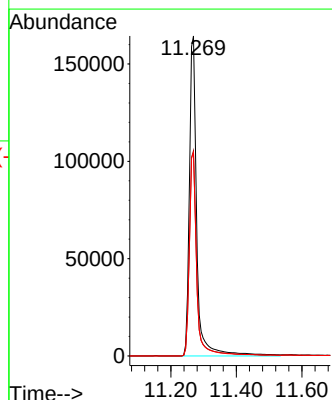
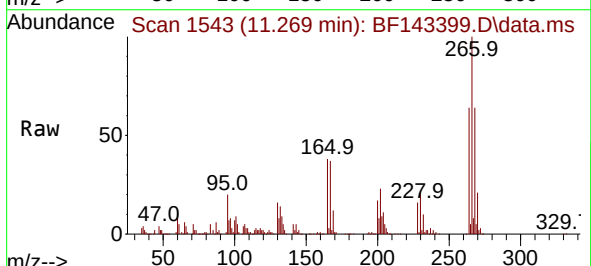
Tgt Ion:266 Resp: 258266

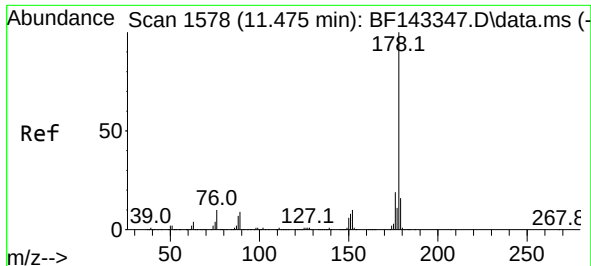
Ion Ratio Lower Upper

266 100

268 64.1 48.8 73.2

264 63.6 48.8 73.2

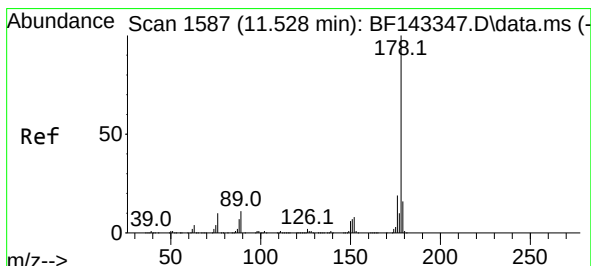
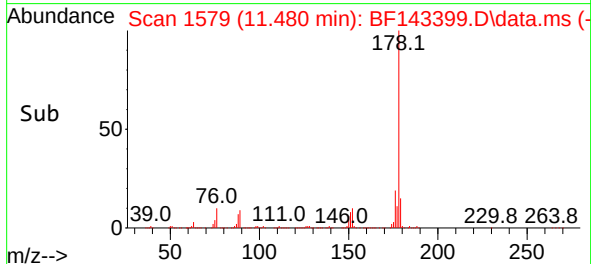
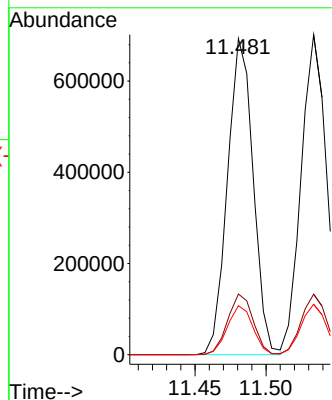
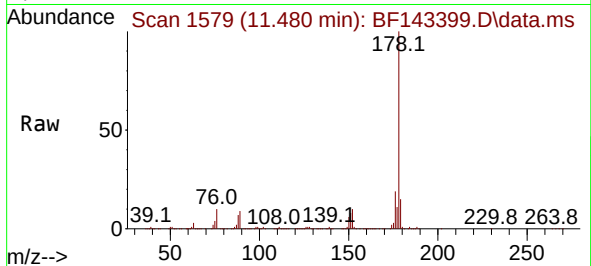




#71
Phenanthrene
Concen: 35.740 ng
RT: 11.480 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

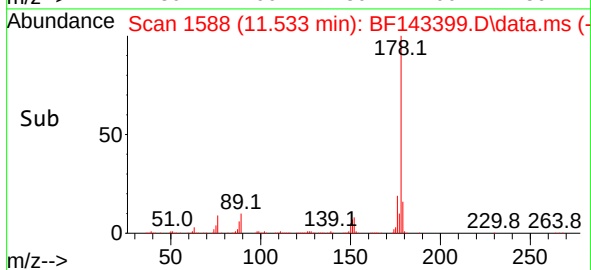
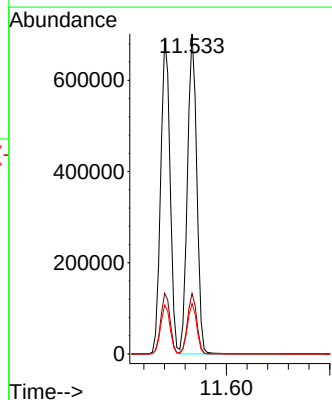
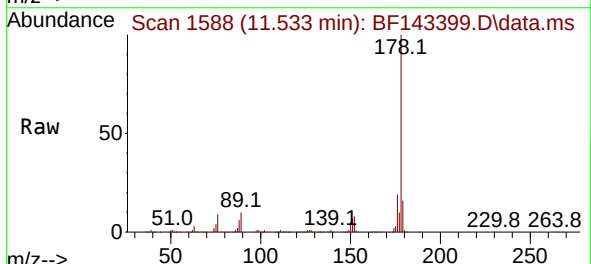
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

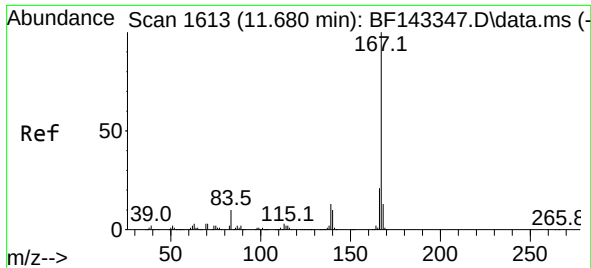
Tgt Ion:178 Resp: 874214
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.5 18.7



#72
Anthracene
Concen: 35.318 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

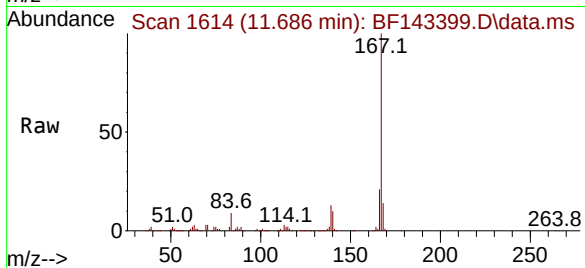
Tgt Ion:178 Resp: 876126
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.7 12.7 19.1





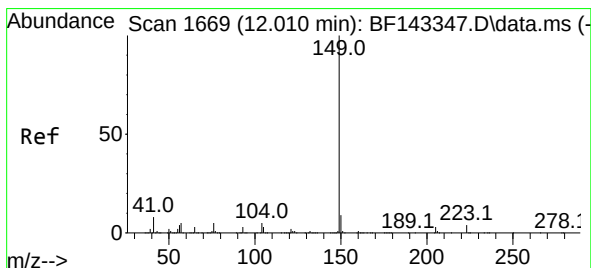
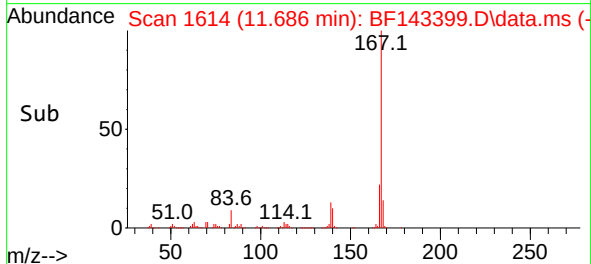
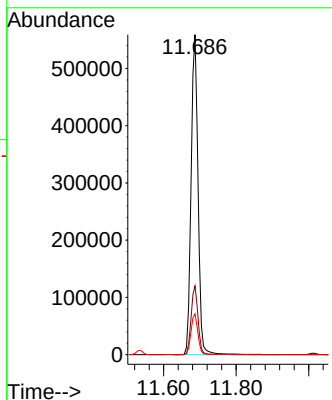
#73
 Carbazole
 Concen: 35.043 ng
 RT: 11.686 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF143399.D
 Acq: 15 Aug 2025 03:54

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



Tgt Ion:167 Resp: 740341

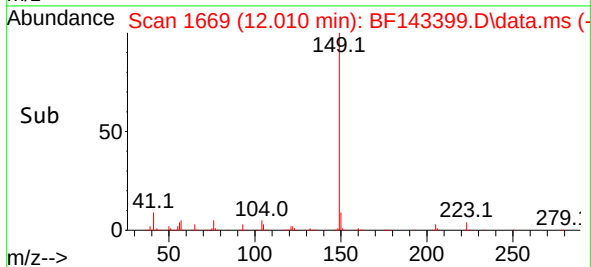
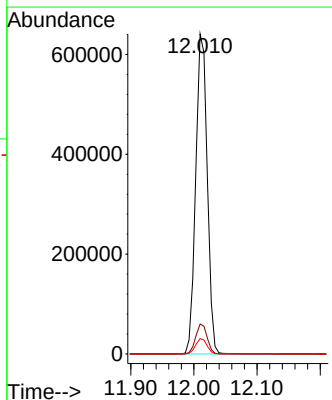
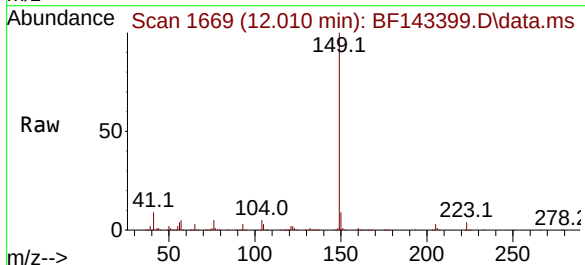
Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.8	25.2
139	12.8	10.2	15.2

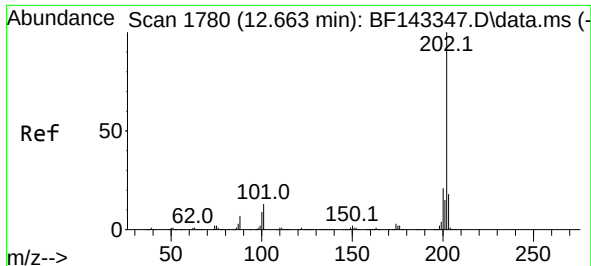


#74
 Di-n-butylphthalate
 Concen: 45.343 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. -0.000 min
 Lab File: BF143399.D
 Acq: 15 Aug 2025 03:54

Tgt Ion:149 Resp: 810616

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	4.8	3.8	5.8

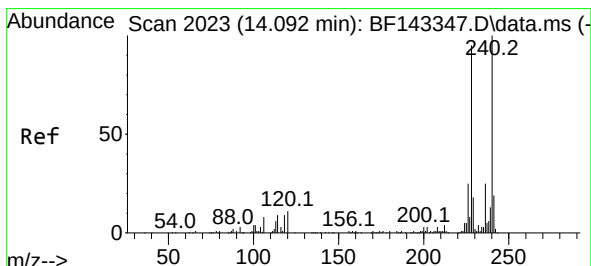
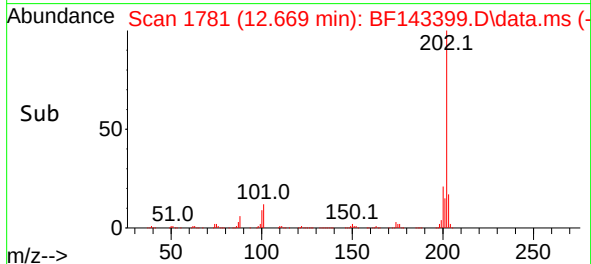
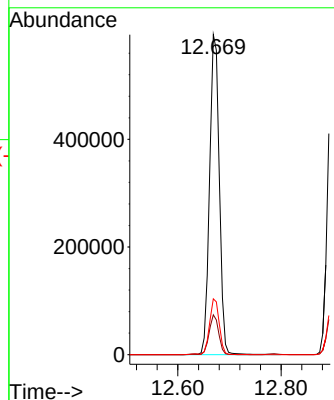
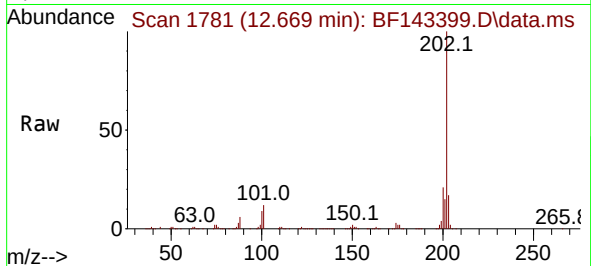




#75
Fluoranthene
Concen: 36.199 ng
RT: 12.669 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

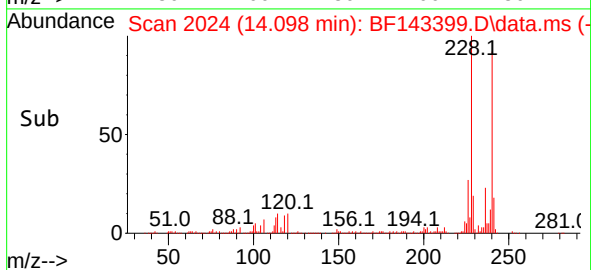
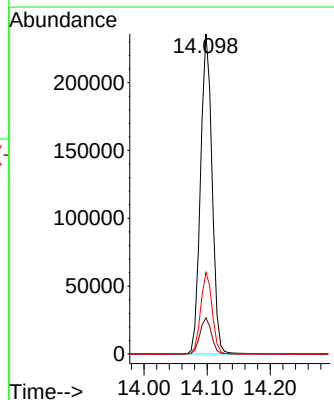
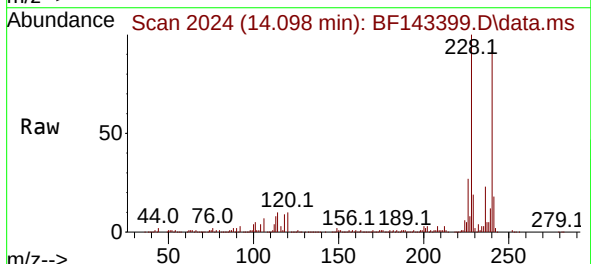
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

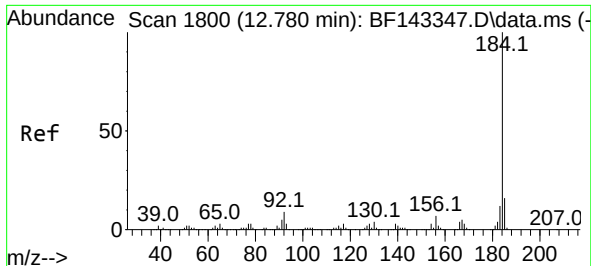
Tgt Ion:	202	Resp:	775610
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.4	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:	240	Resp:	298922
Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.6
236	25.4	19.9	29.9

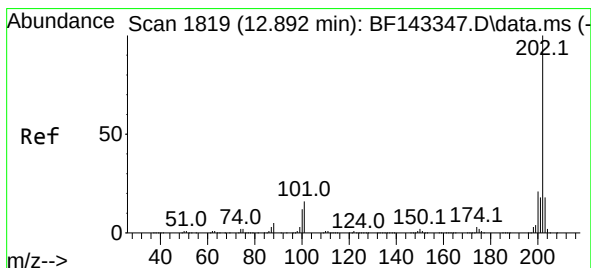
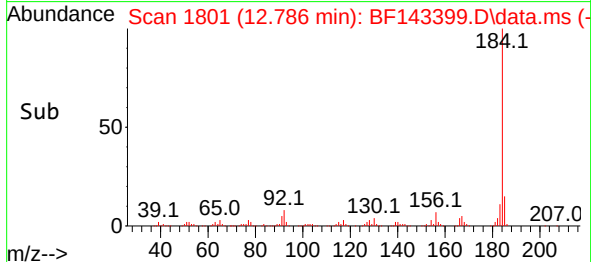
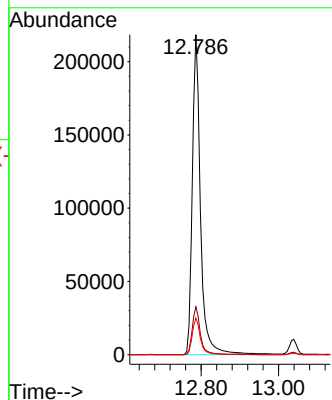
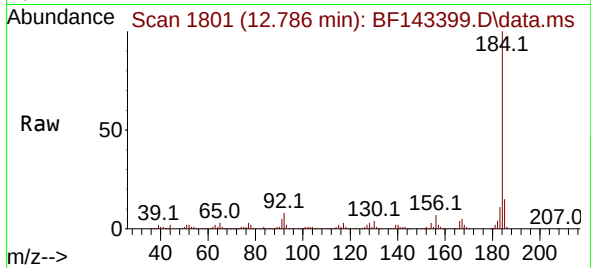




#77
Benzidine
Concen: 39.424 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

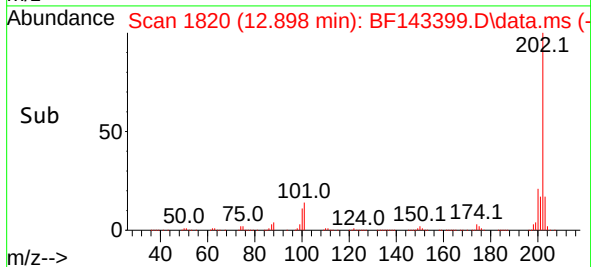
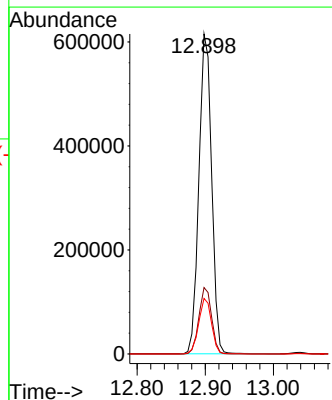
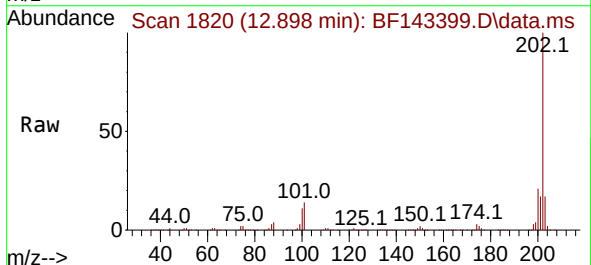
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

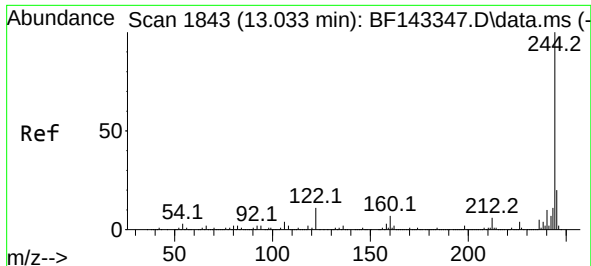
Tgt Ion:184 Resp: 322181
Ion Ratio Lower Upper
184 100
185 15.0 12.8 19.2
183 11.4 9.3 13.9



#78
Pyrene
Concen: 31.829 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:202 Resp: 798173
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 17.3 14.2 21.4

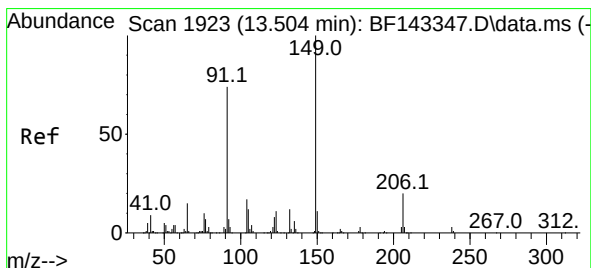
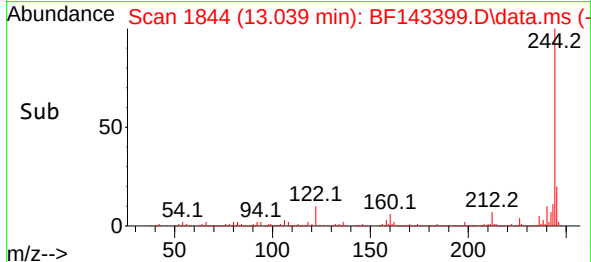
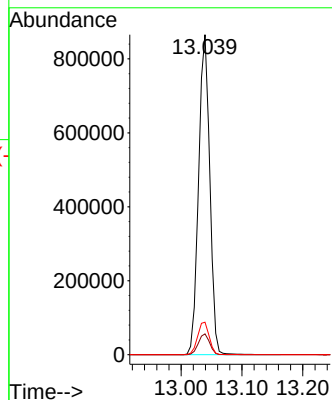
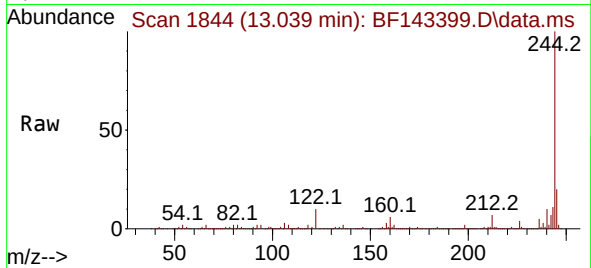




#79
 Terphenyl-d14
 Concen: 65.955 ng
 RT: 13.039 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143399.D
 Acq: 15 Aug 2025 03:54

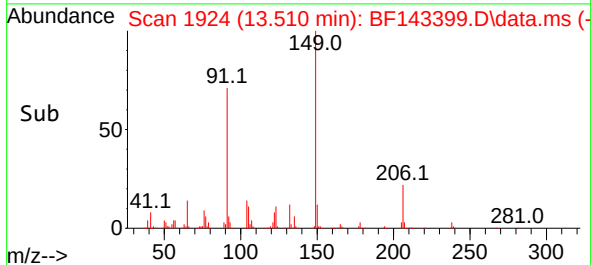
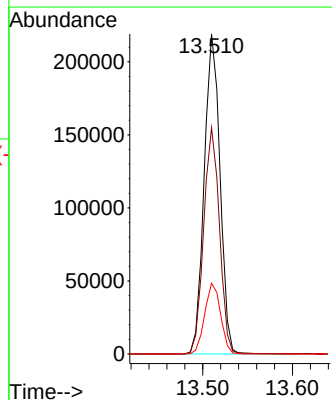
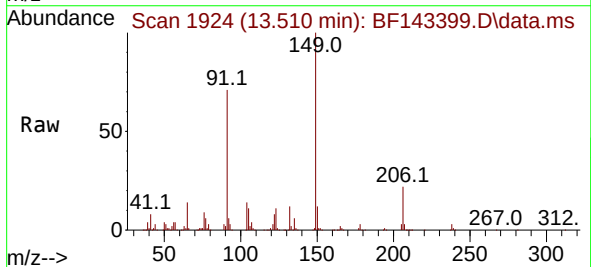
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

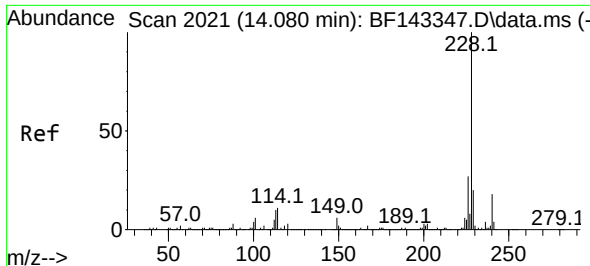
Tgt Ion:244 Resp: 1104297
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 10.1 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 53.579 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BF143399.D
 Acq: 15 Aug 2025 03:54

Tgt Ion:149 Resp: 267587
 Ion Ratio Lower Upper
 149 100
 91 70.7 58.8 88.2
 206 22.1 16.4 24.6

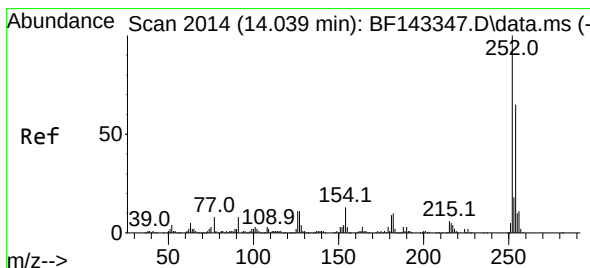
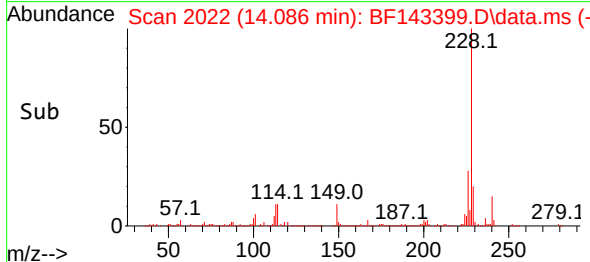
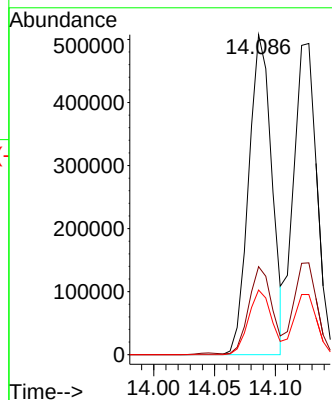
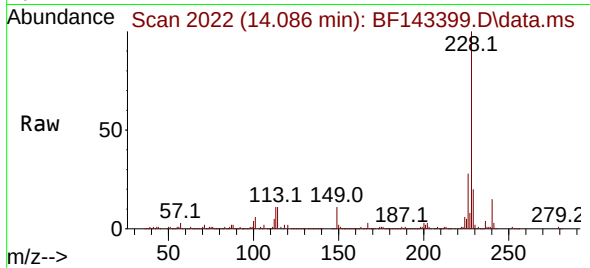




#81
Benzo(a)anthracene
Concen: 35.382 ng
RT: 14.086 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

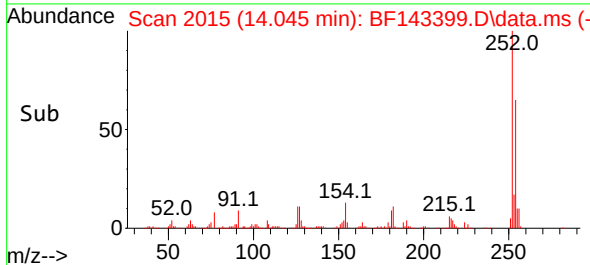
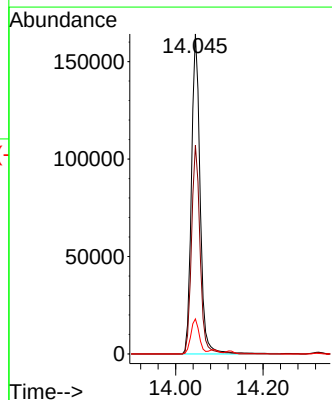
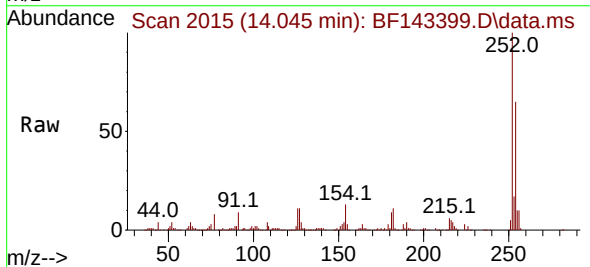
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

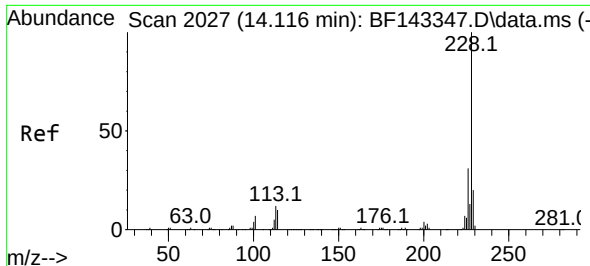
Tgt Ion:228 Resp: 672240
Ion Ratio Lower Upper
228 100
226 27.5 22.0 33.0
229 20.2 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 44.142 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:252 Resp: 226457
Ion Ratio Lower Upper
252 100
254 65.2 51.7 77.5
126 11.0 9.2 13.8

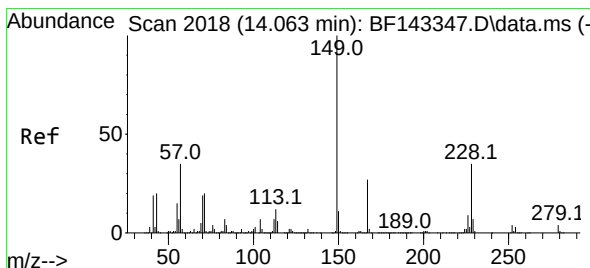
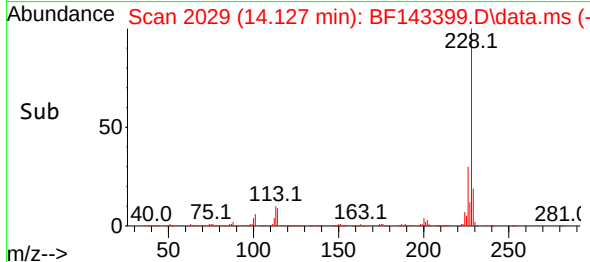
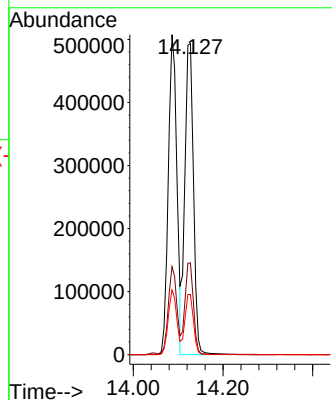
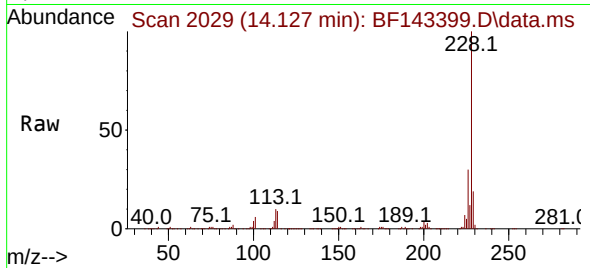




#83
Chrysene
Concen: 37.405 ng
RT: 14.127 min Scan# 2019
Delta R.T. 0.012 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

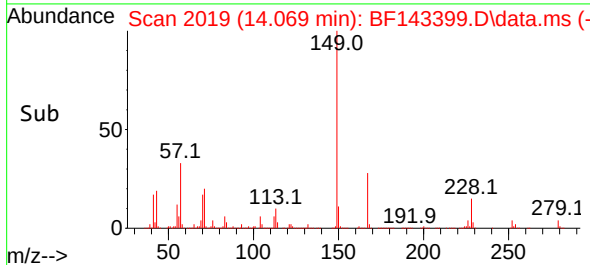
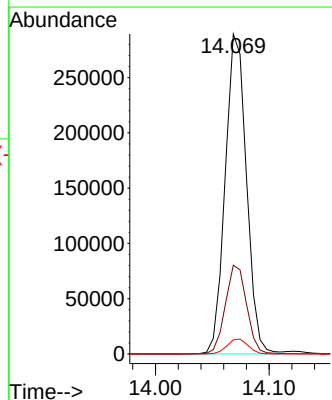
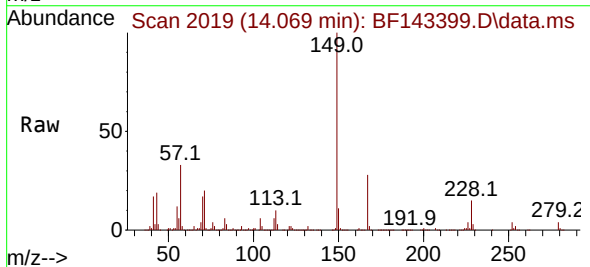
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

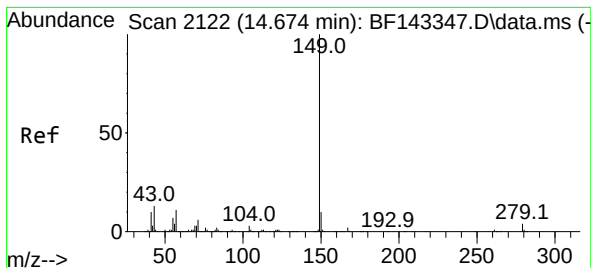
Tgt Ion:228 Resp: 662658
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 19.4 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.348 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:149 Resp: 376483
Ion Ratio Lower Upper
149 100
167 27.7 21.4 32.0
279 4.4 3.2 4.8

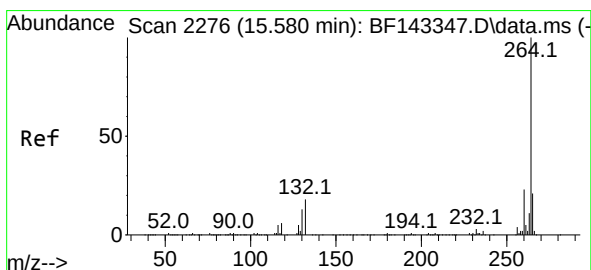
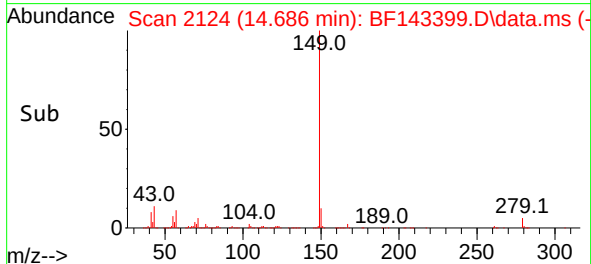
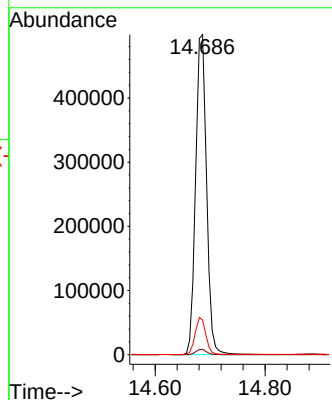
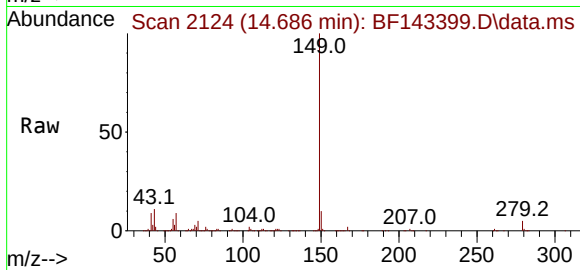




#85
Di-n-octyl phthalate
Concen: 47.658 ng
RT: 14.686 min Scan# 2122
Delta R.T. 0.012 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

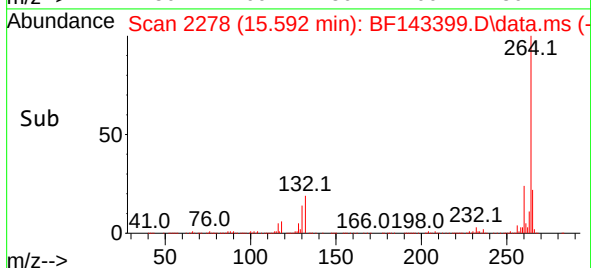
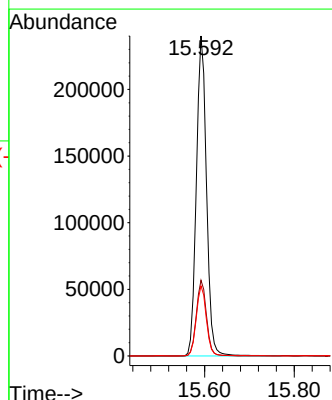
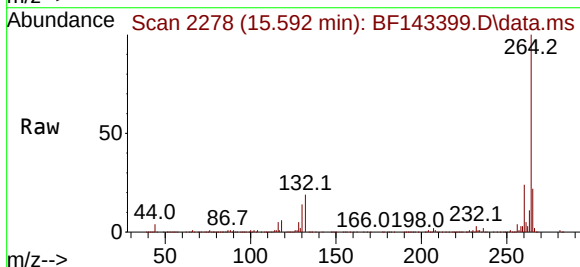
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

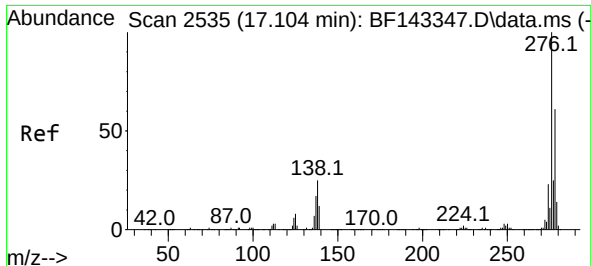
Tgt Ion:149 Resp: 690916
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.4 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. 0.012 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:264 Resp: 377299
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.9 17.2 25.8

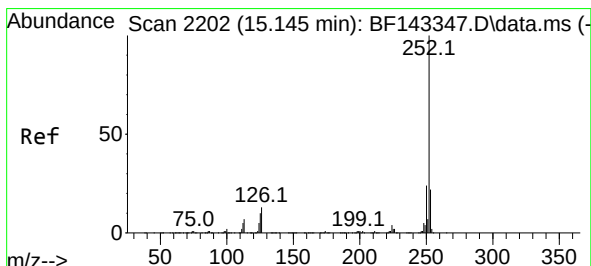
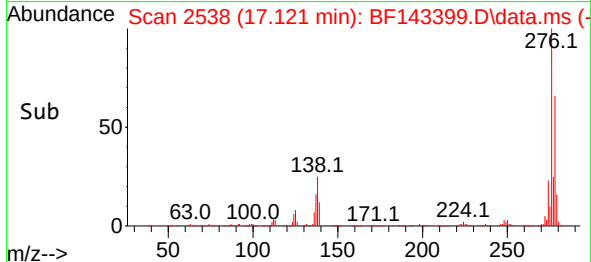
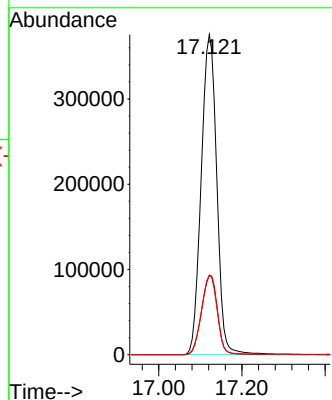
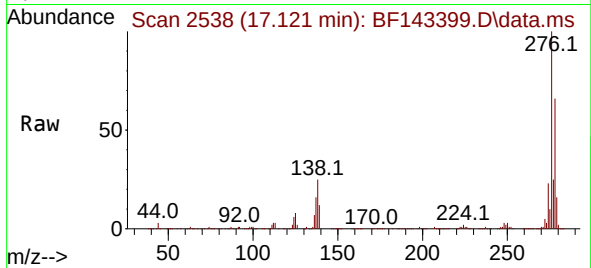




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 36.148 ng
 RT: 17.121 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF143399.D
 Acq: 15 Aug 2025 03:54

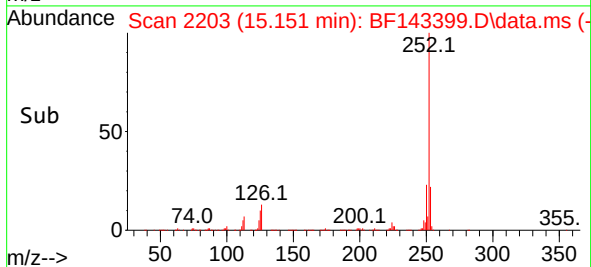
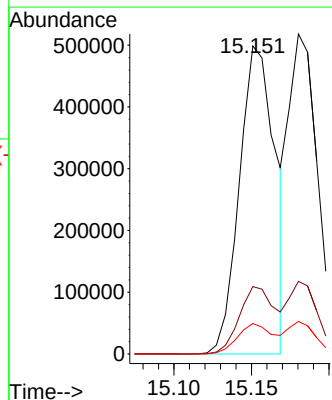
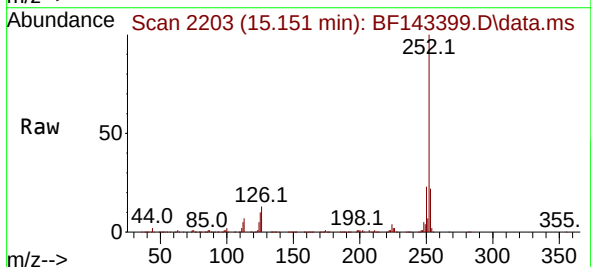
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

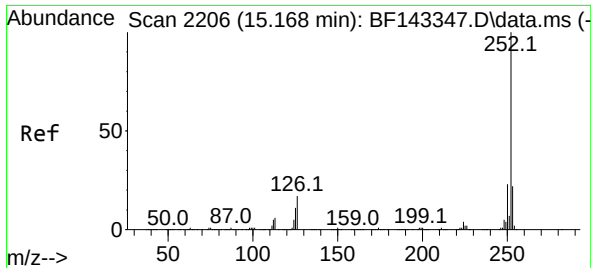
Tgt Ion:276 Resp: 977103
 Ion Ratio Lower Upper
 276 100
 138 25.4 21.1 31.7
 277 25.0 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 38.730 ng
 RT: 15.151 min Scan# 2203
 Delta R.T. 0.006 min
 Lab File: BF143399.D
 Acq: 15 Aug 2025 03:54

Tgt Ion:252 Resp: 799255
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.8 26.8
 125 9.9 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 34.263 ng

RT: 15.180 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

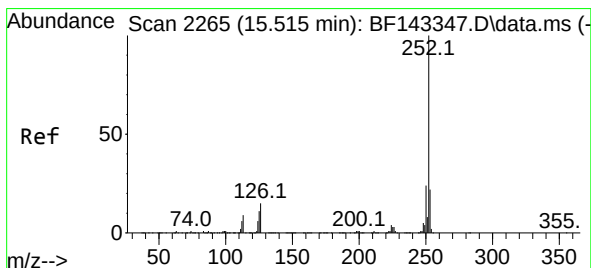
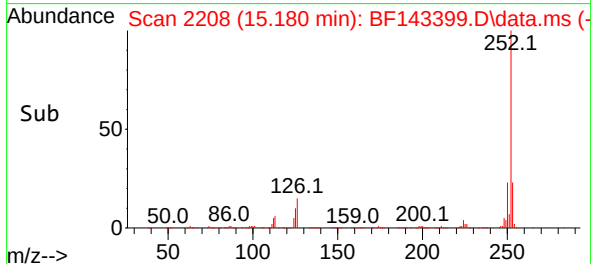
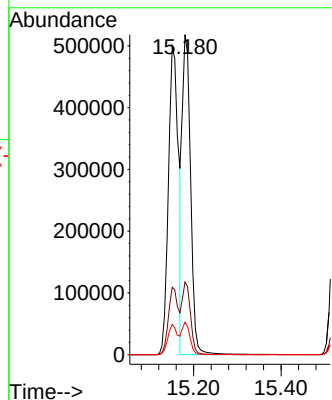
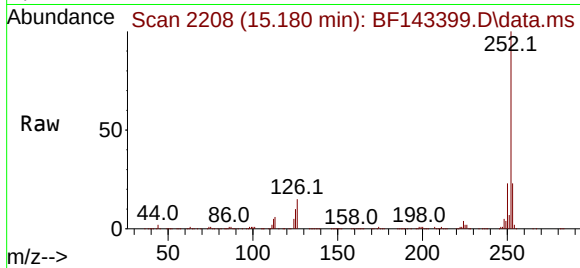
Tgt Ion:252 Resp: 687057

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 10.1 8.4 12.6



#90

Benzo(a)pyrene

Concen: 36.858 ng

RT: 15.527 min Scan# 2267

Delta R.T. 0.012 min

Lab File: BF143399.D

Acq: 15 Aug 2025 03:54

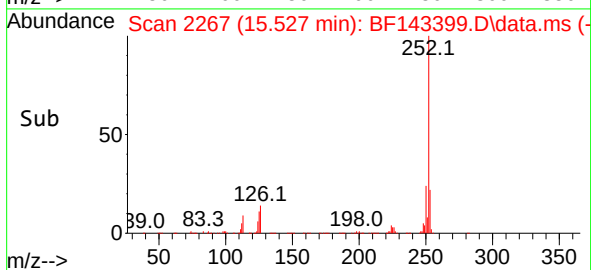
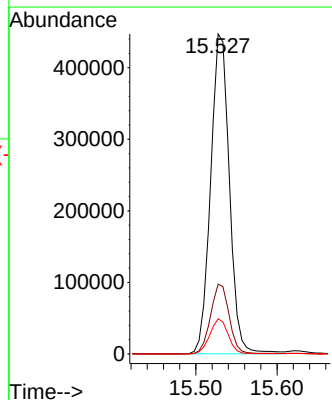
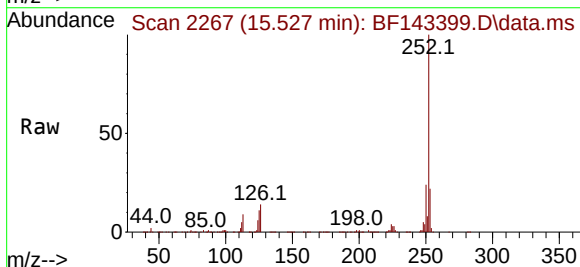
Tgt Ion:252 Resp: 716381

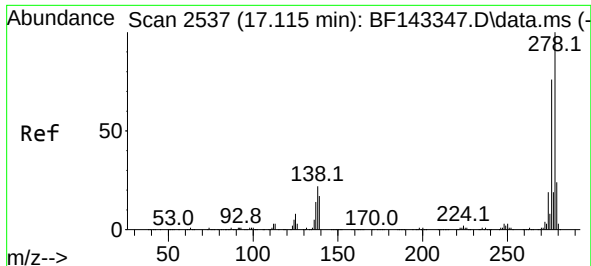
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 11.0 9.1 13.7

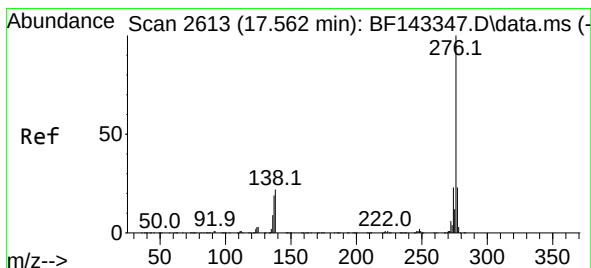
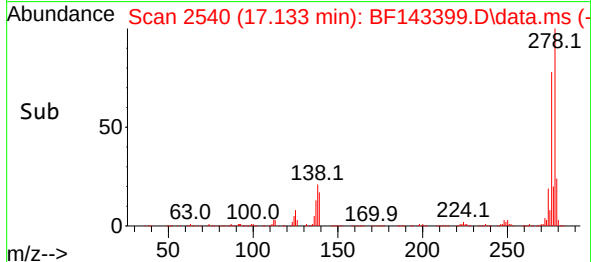
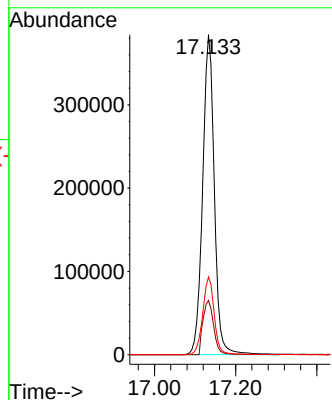
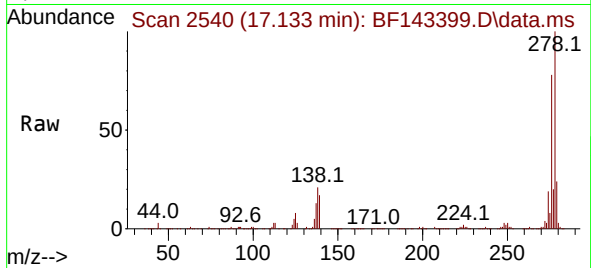




#91
Dibenzo(a,h)anthracene
Concen: 35.627 ng
RT: 17.133 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

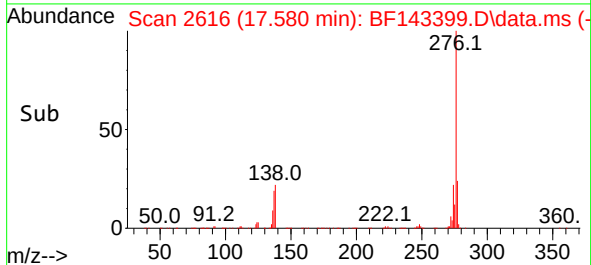
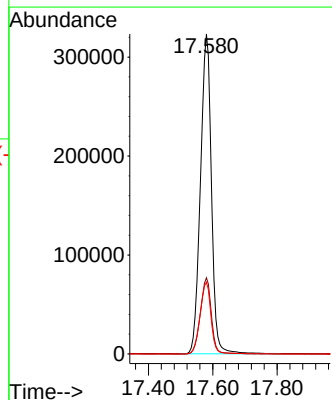
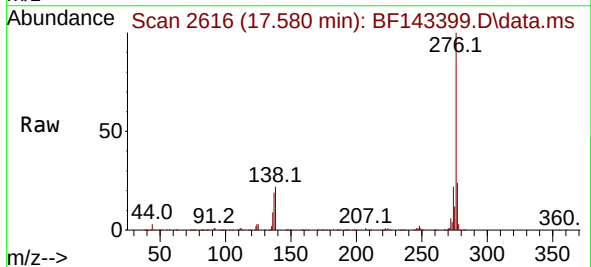
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 769353
Ion Ratio Lower Upper
278 100
139 16.9 14.0 21.0
279 24.3 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 35.184 ng
RT: 17.580 min Scan# 2616
Delta R.T. 0.018 min
Lab File: BF143399.D
Acq: 15 Aug 2025 03:54

Tgt Ion:276 Resp: 765398
Ion Ratio Lower Upper
276 100
277 23.8 18.7 28.1
138 22.5 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143414.D
 Acq On : 15 Aug 2025 12:45
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 15 13:01:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	132531	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	517048	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	290133	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	440724	20.000	ng	0.00
76) Chrysene-d12	14.098	240	263251	20.000	ng	0.00
86) Perylene-d12	15.592	264	287708	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	501865	65.483	ng	0.00
7) Phenol-d6	6.563	99	632566	64.363	ng	0.00
23) Nitrobenzene-d5	7.492	82	586323	70.617	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	171695	80.975	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1116757	65.272	ng	0.00
79) Terphenyl-d14	13.039	244	970470	65.816	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.722	88	116348	29.338	ng	97
3) Pyridine	3.504	79	314400	29.750	ng	98
4) n-Nitrosodimethylamine	3.440	42	143636	29.178	ng	95
6) Aniline	6.592	93	435030	31.397	ng	96
8) 2-Chlorophenol	6.722	128	279422	34.120	ng	97
9) Benzaldehyde	6.481	77	188756	29.058	ng	97
10) Phenol	6.581	94	377915	32.459	ng	92
11) bis(2-Chloroethyl)ether	6.663	93	276577	32.232	ng	99
12) 1,3-Dichlorobenzene	6.875	146	310626	32.885	ng	99
13) 1,4-Dichlorobenzene	6.951	146	313512	33.070	ng	99
14) 1,2-Dichlorobenzene	7.104	146	297152	33.020	ng	99
15) Benzyl Alcohol	7.069	79	242210	34.380	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.204	45	475921	31.066	ng	99
17) 2-Methylphenol	7.187	107	229936	33.263	ng	98
18) Hexachloroethane	7.445	117	107231	36.078	ng	99
19) n-Nitroso-di-n-propyla...	7.339	70	198094	32.620	ng	99
20) 3+4-Methylphenols	7.334	107	283796	33.947	ng	99
22) Acetophenone	7.339	105	365619	32.094	ng	97
24) Nitrobenzene	7.510	77	306868	34.031	ng	99
25) Isophorone	7.751	82	558781	32.967	ng	99
26) 2-Nitrophenol	7.828	139	150133	42.036	ng	99
27) 2,4-Dimethylphenol	7.863	122	236206	33.403	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	342133	33.061	ng	99
29) 2,4-Dichlorophenol	8.075	162	243882	35.311	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	246099	33.779	ng	100
31) Naphthalene	8.239	128	810500	32.577	ng	100
32) Benzoic acid	7.969	122	107890	38.012	ng	99
33) 4-Chloroaniline	8.281	127	299367	33.361	ng	100
34) Hexachlorobutadiene	8.357	225	157186	34.683	ng	99
35) Caprolactam	8.639	113	74885	38.568	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	251420	34.724	ng	100
37) 2-Methylnaphthalene	8.928	142	554956	33.929	ng	100
38) 1-Methylnaphthalene	9.028	142	529993	33.644	ng	99
40) 1,2,4,5-Tetrachloroben...	9.098	216	264167	33.273	ng	100
41) Hexachlorocyclopentadiene	9.086	237	82626	33.685	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	166424	36.945	ng	100

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 Data File : BF143414.D
 Acq On : 15 Aug 2025 12:45
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 15 13:01:57 2025
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 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

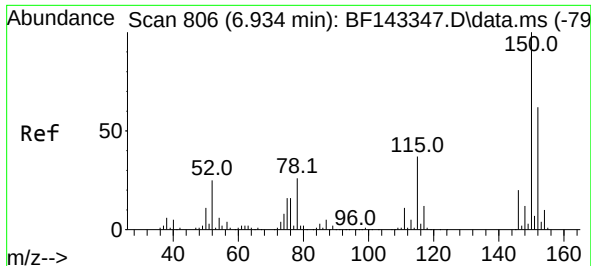
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	180539	35.491	ng	98
46) 1,1'-Biphenyl	9.392	154	668180	32.572	ng	99
47) 2-Chloronaphthalene	9.416	162	525241	32.510	ng	99
48) 2-Nitroaniline	9.510	65	164879	36.111	ng	97
49) Acenaphthylene	9.833	152	760268	32.585	ng	99
50) Dimethylphthalate	9.680	163	614540	36.250	ng	100
51) 2,6-Dinitrotoluene	9.745	165	128875	40.656	ng	92
52) Acenaphthene	10.004	154	493236	31.799	ng	99
53) 3-Nitroaniline	9.916	138	139833	40.277	ng	97
54) 2,4-Dinitrophenol	10.028	184	24625	29.103	ng	90
55) Dibenzofuran	10.175	168	737792	33.049	ng	100
56) 4-Nitrophenol	10.080	139	75898	30.958	ng	98
57) 2,4-Dinitrotoluene	10.151	165	171422	40.754	ng	89
58) Fluorene	10.522	166	551057	32.317	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.298	232	132484	38.636	ng	97
60) Diethylphthalate	10.386	149	586261	38.608	ng	99
61) 4-Chlorophenyl-phenyle...	10.510	204	284659	34.550	ng	100
62) 4-Nitroaniline	10.527	138	127282	37.893	ng	99
63) Azobenzene	10.669	77	563404	32.483	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	56010	33.921	ng	90
66) n-Nitrosodiphenylamine	10.622	169	483005	33.283	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	177054	35.127	ng	97
68) Hexachlorobenzene	11.075	284	182234	33.541	ng	97
69) Atrazine	11.151	200	162627	42.966	ng	98
70) Pentachlorophenol	11.269	266	73538	31.527	ng	97
71) Phenanthrene	11.480	178	770997	32.064	ng	100
72) Anthracene	11.533	178	784923	32.187	ng	98
73) Carbazole	11.686	167	654998	31.538	ng	99
74) Di-n-butylphthalate	12.010	149	837836	47.674	ng	100
75) Fluoranthene	12.669	202	663149	31.484	ng	99
77) Benzidine	12.786	184	254862	35.412	ng	98
78) Pyrene	12.898	202	659217	29.850	ng	99
80) Butylbenzylphthalate	13.510	149	238799	54.249	ng	97
81) Benzo(a)anthracene	14.086	228	536603	32.070	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	174378	38.596	ng	99
83) Chrysene	14.121	228	518068	33.206	ng	100
84) Bis(2-ethylhexyl)phtha...	14.068	149	311459	48.477	ng	97
85) Di-n-octyl phthalate	14.686	149	543645	43.223	ng	94
87) Indeno(1,2,3-cd)pyrene	17.121	276	516402	25.053	ng	99
88) Benzo(b)fluoranthene	15.151	252	568955	36.155	ng	99
89) Benzo(k)fluoranthene	15.180	252	506257	33.108	ng	99
90) Benzo(a)pyrene	15.527	252	494384	33.357	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	424135	25.756	ng	98
92) Benzo(g,h,i)perylene	17.574	276	380387	22.931	ng	100

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

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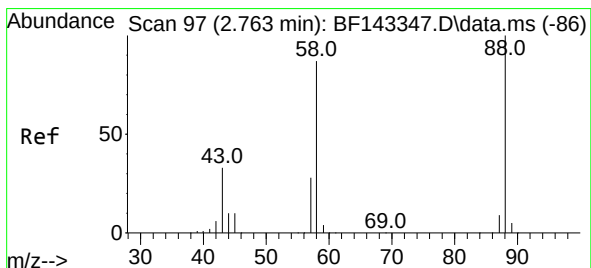
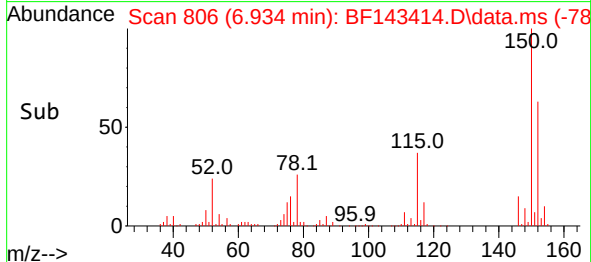
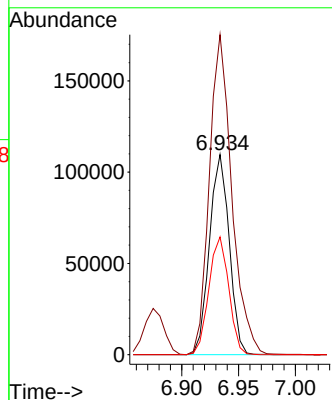
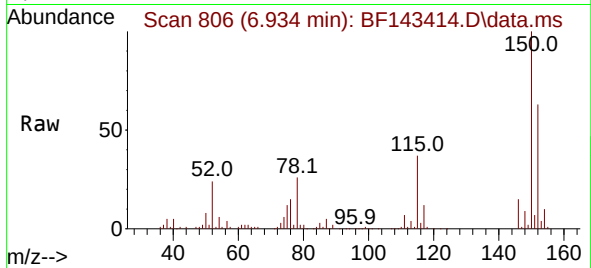




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143414.D
 Acq: 15 Aug 2025 12:45

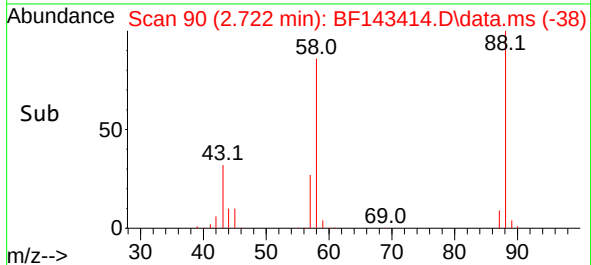
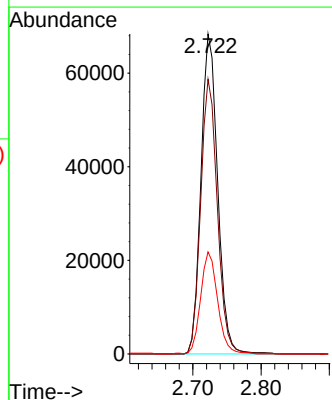
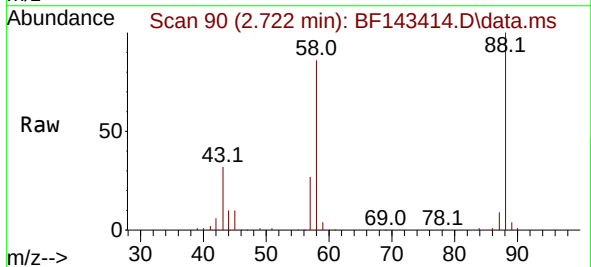
Instrument :
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 ClientSampleId :
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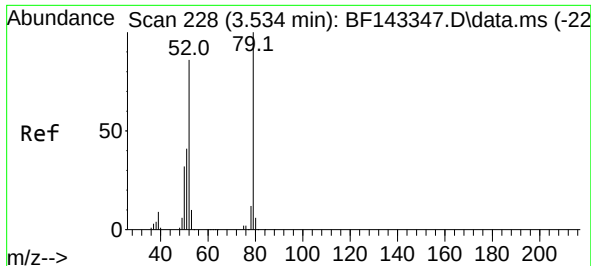
Tgt Ion:152 Resp: 132531
 Ion Ratio Lower Upper
 152 100
 150 159.9 129.8 194.8
 115 58.8 47.8 71.8



#2
 1,4-Dioxane
 Concen: 29.338 ng
 RT: 2.722 min Scan# 90
 Delta R.T. -0.041 min
 Lab File: BF143414.D
 Acq: 15 Aug 2025 12:45

Tgt Ion: 88 Resp: 116348
 Ion Ratio Lower Upper
 88 100
 58 85.9 71.0 106.6
 43 32.6 27.0 40.6

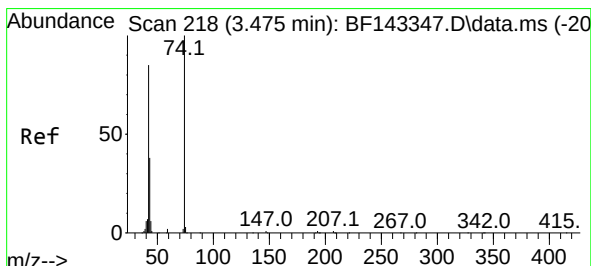
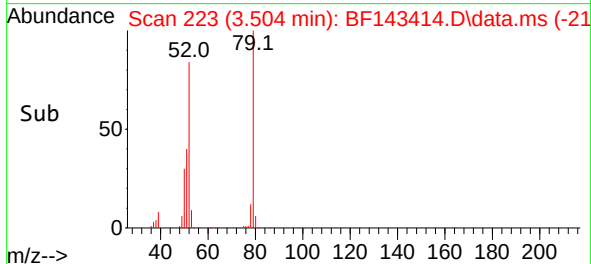
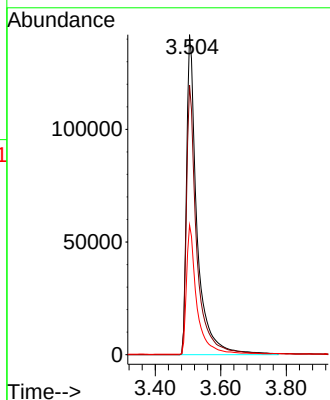
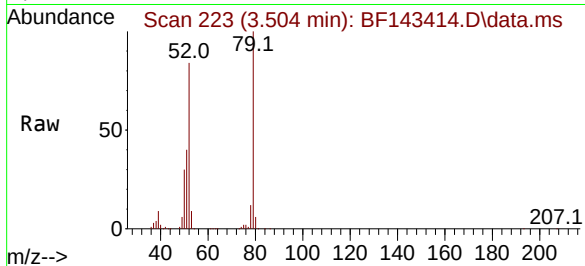




#3
Pyridine
Concen: 29.750 ng
RT: 3.504 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

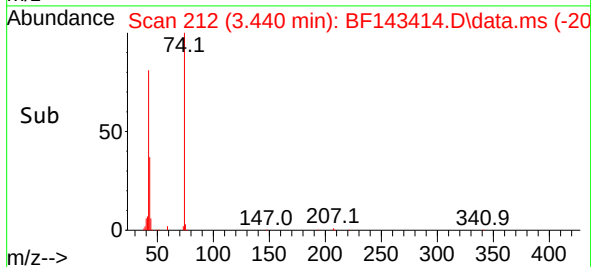
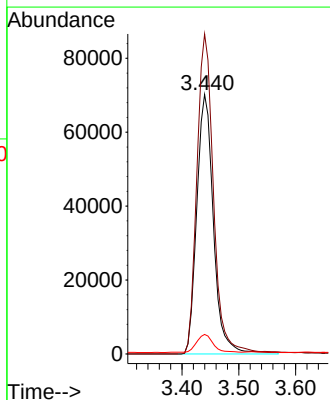
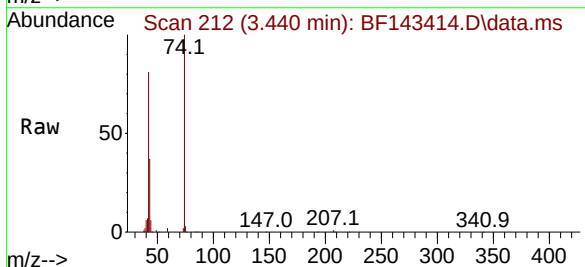
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ClientSampleId :
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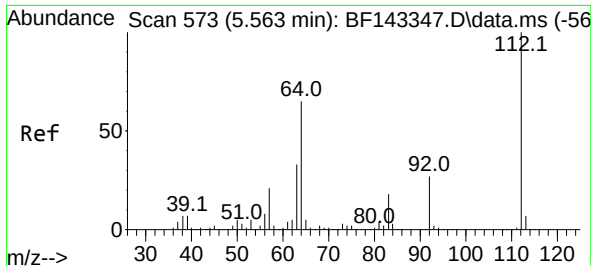
Tgt Ion: 79 Resp: 314400
Ion Ratio Lower Upper
79 100
52 84.3 68.7 103.1
51 40.5 33.4 50.0



#4
n-Nitrosodimethylamine
Concen: 29.178 ng
RT: 3.440 min Scan# 212
Delta R.T. -0.035 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion: 42 Resp: 143636
Ion Ratio Lower Upper
42 100
74 123.3 94.1 141.1
44 7.5 6.5 9.7

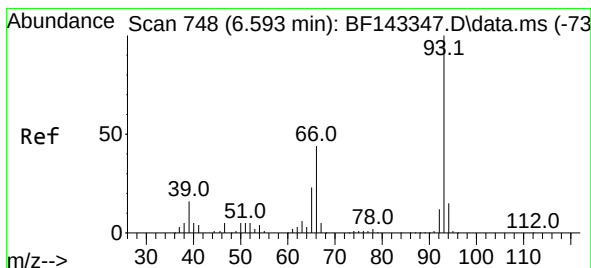
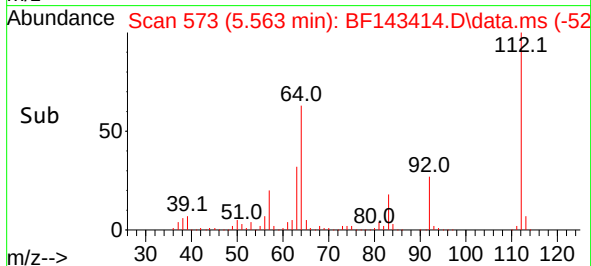
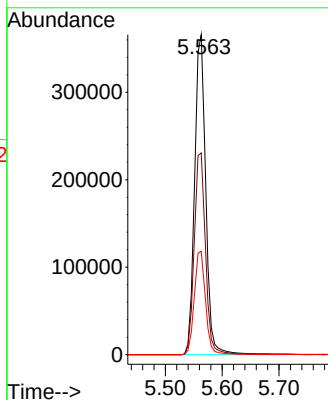
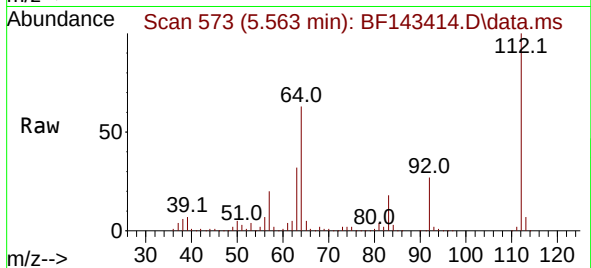




#5
2-Fluorophenol
Concen: 65.483 ng
RT: 5.563 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

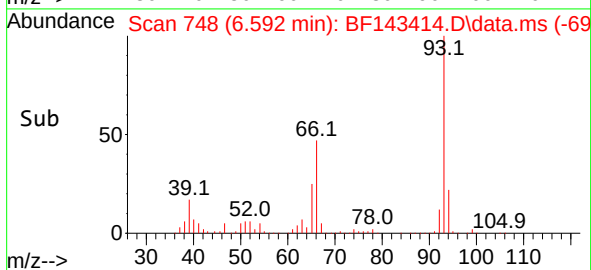
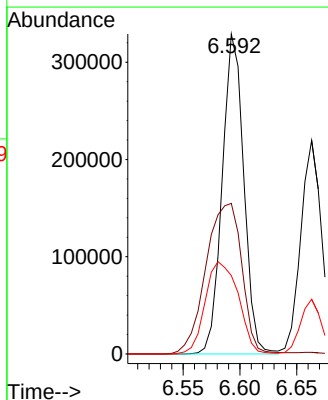
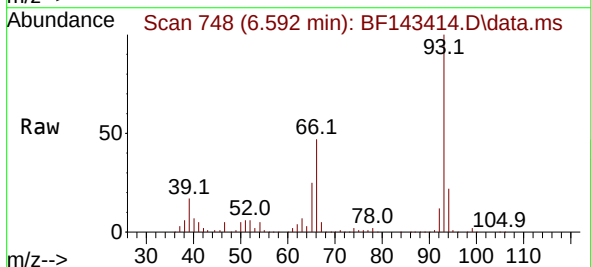
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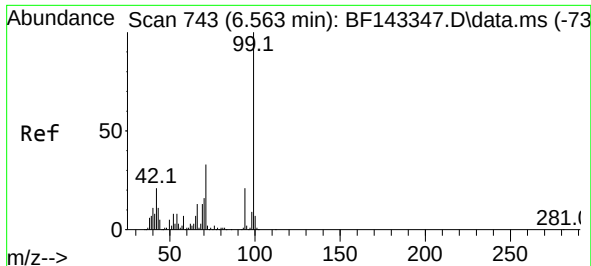
Tgt Ion:112 Resp: 501865
Ion Ratio Lower Upper
112 100
64 63.1 52.1 78.1
63 32.3 26.6 39.8



#6
Aniline
Concen: 31.397 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion: 93 Resp: 435030
Ion Ratio Lower Upper
93 100
66 47.0 35.3 52.9
65 24.5 18.2 27.4

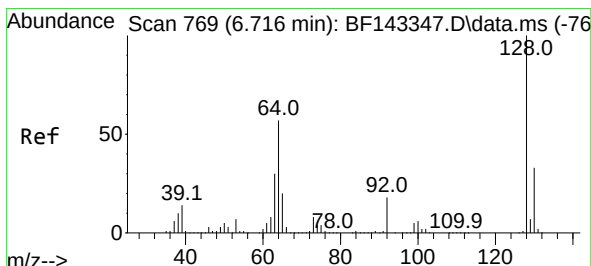
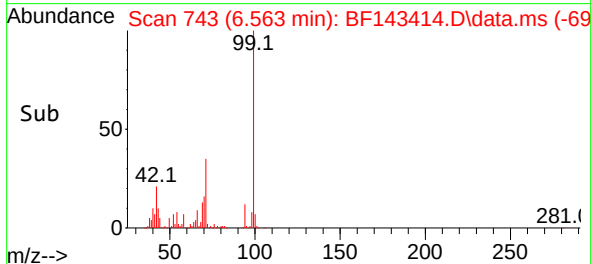
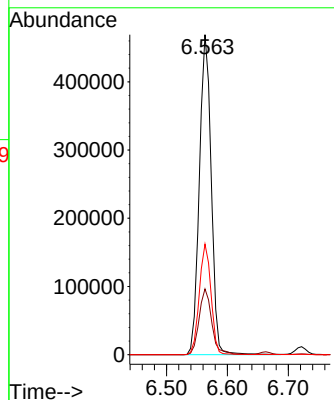
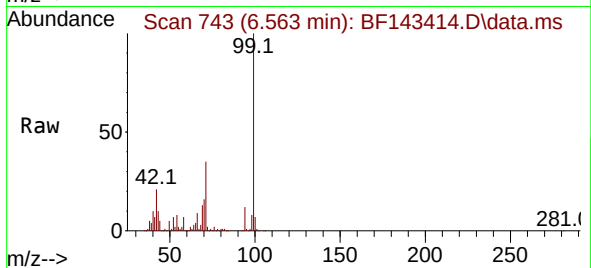




#7
Phenol-d6
Concen: 64.363 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

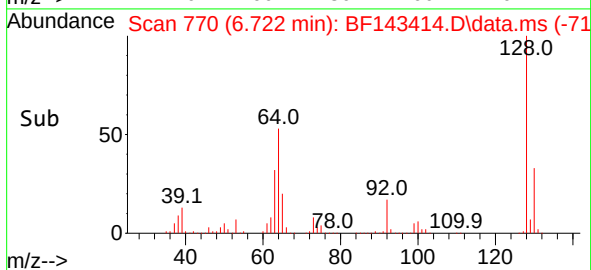
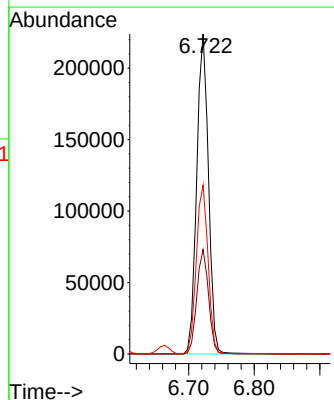
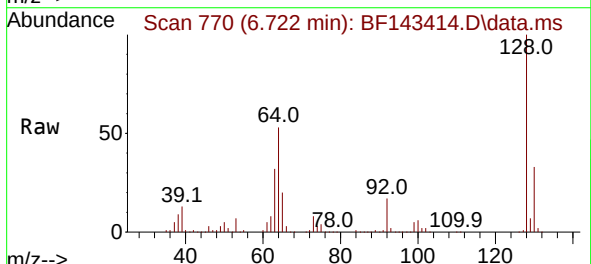
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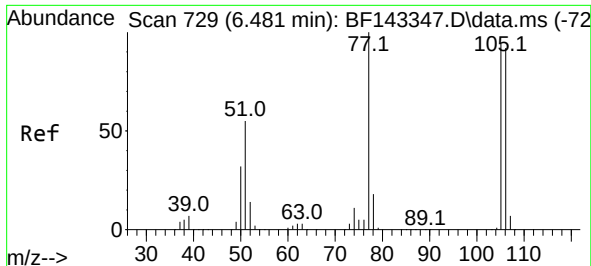
Tgt Ion: 99 Resp: 632566
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 34.5 26.2 39.2



#8
2-Chlorophenol
Concen: 34.120 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion: 128 Resp: 279422
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 52.8 36.7 76.7

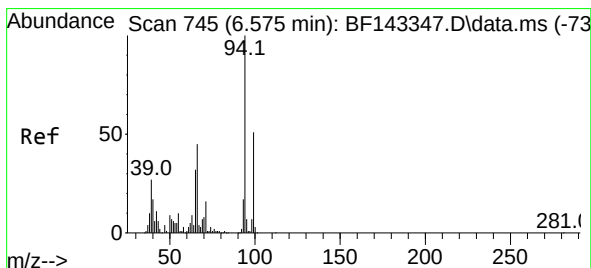
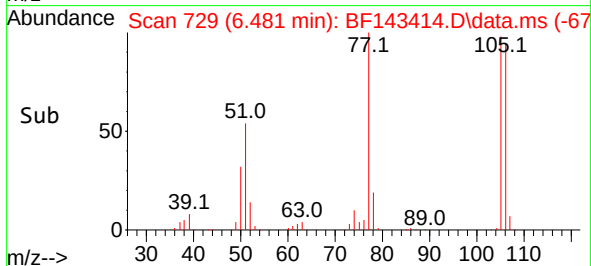
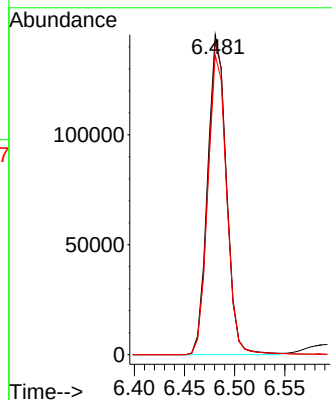
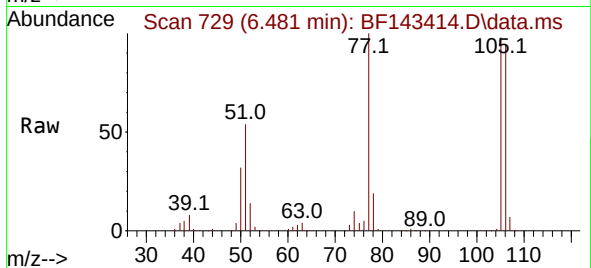




#9
Benzaldehyde
Concen: 29.058 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

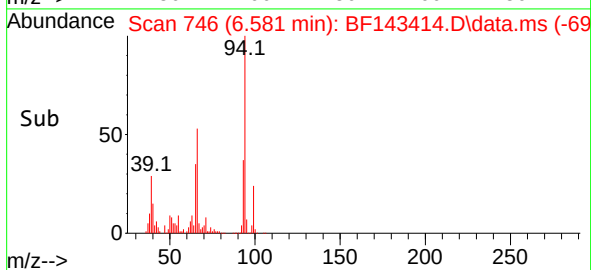
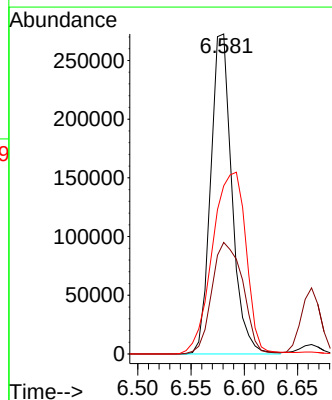
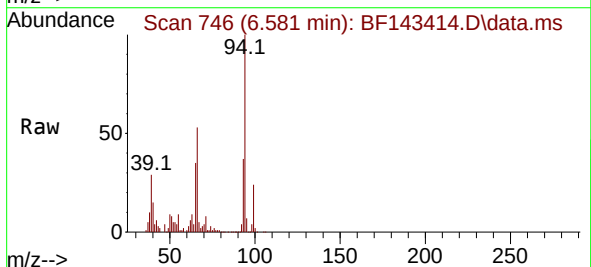
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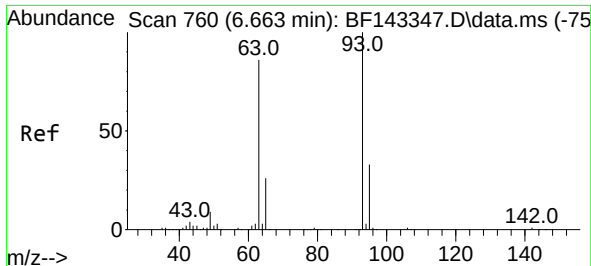
Tgt Ion: 77 Resp: 188756
Ion Ratio Lower Upper
77 100
105 97.6 74.2 114.2
106 93.6 72.2 112.2



#10
Phenol
Concen: 32.459 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion: 94 Resp: 377915
Ion Ratio Lower Upper
94 100
65 34.8 12.0 52.0
66 52.5 25.6 65.6

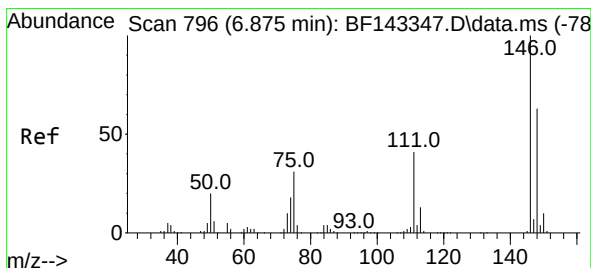
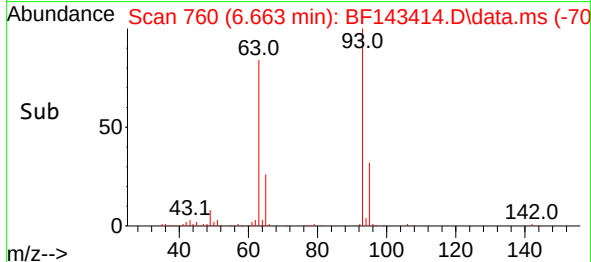
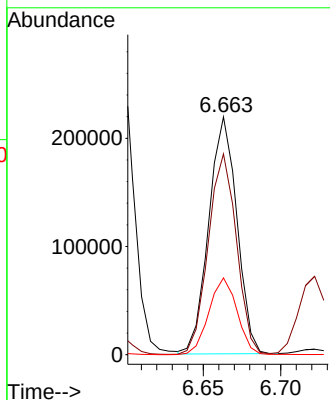
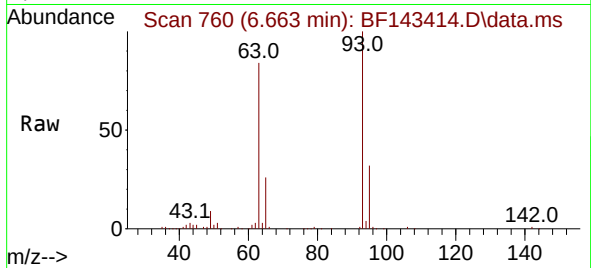




#11
 bis(2-Chloroethyl)ether
 Concen: 32.232 ng
 RT: 6.663 min Scan# 760
 Delta R.T. -0.000 min
 Lab File: BF143414.D
 Acq: 15 Aug 2025 12:45

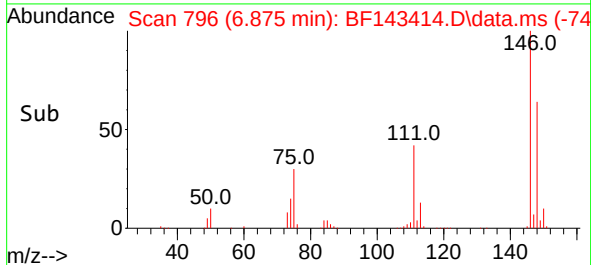
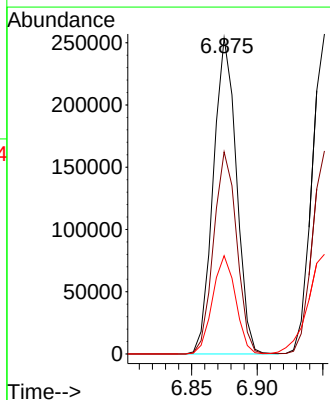
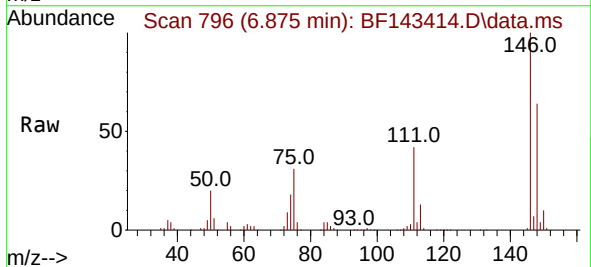
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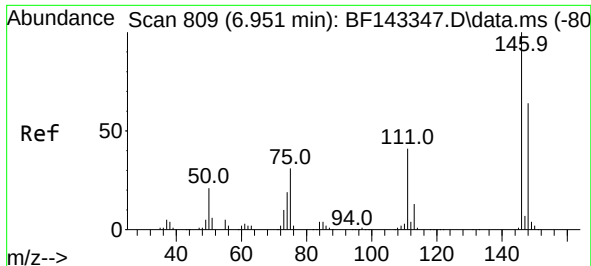
Tgt Ion: 93 Resp: 276577
 Ion Ratio Lower Upper
 93 100
 63 84.4 65.7 105.7
 95 32.3 13.0 53.0



#12
 1,3-Dichlorobenzene
 Concen: 32.885 ng
 RT: 6.875 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: BF143414.D
 Acq: 15 Aug 2025 12:45

Tgt Ion: 146 Resp: 310626
 Ion Ratio Lower Upper
 146 100
 148 63.9 50.5 75.7
 75 31.1 24.9 37.3

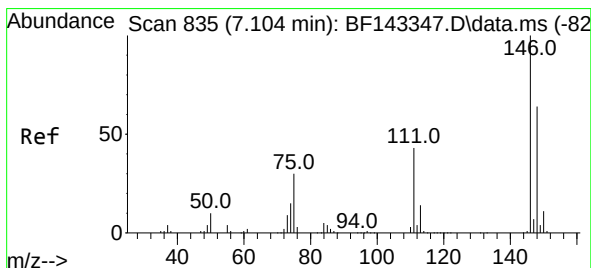
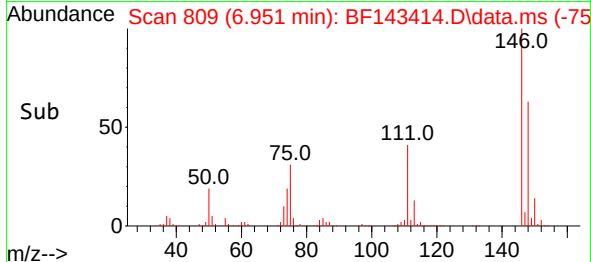
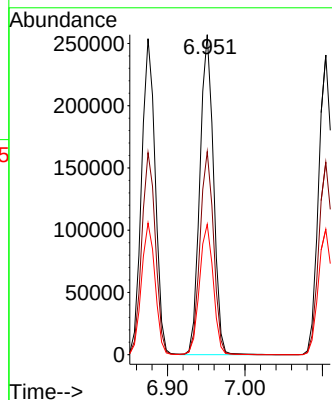
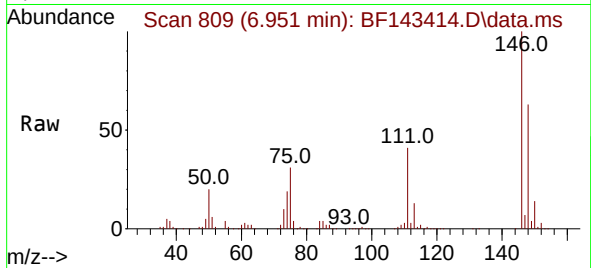




#13
1,4-Dichlorobenzene
Concen: 33.070 ng
RT: 6.951 min Scan# 809
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

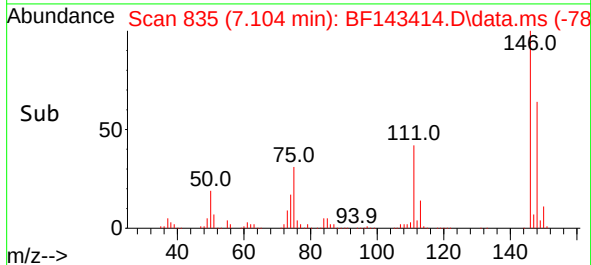
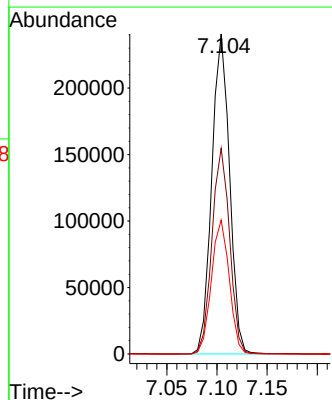
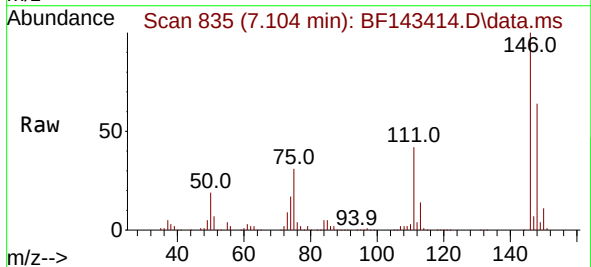
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

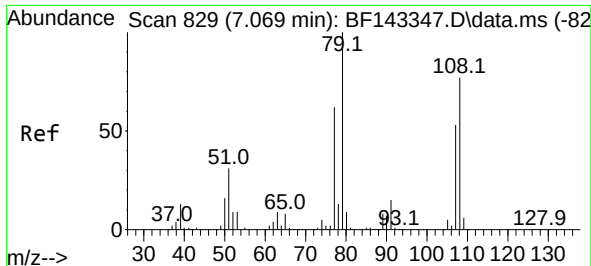
Tgt Ion:146 Resp: 313512
Ion Ratio Lower Upper
146 100
148 63.4 51.4 77.0
111 40.8 32.6 48.8



#14
1,2-Dichlorobenzene
Concen: 33.020 ng
RT: 7.104 min Scan# 835
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:146 Resp: 297152
Ion Ratio Lower Upper
146 100
148 64.2 51.4 77.2
111 41.9 34.1 51.1

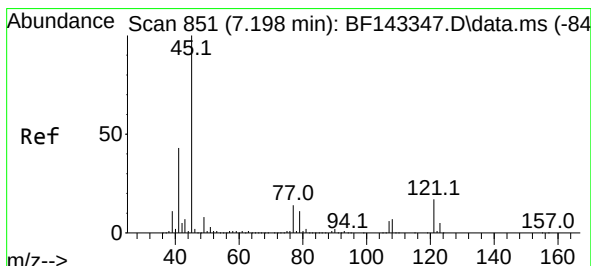
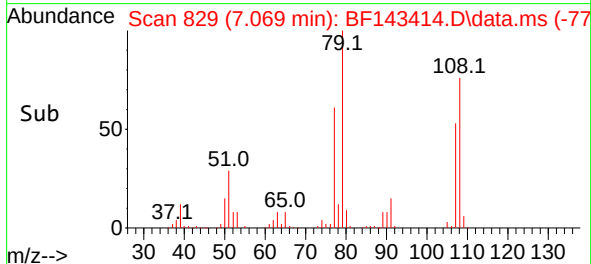
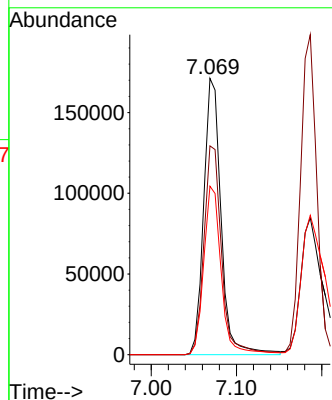
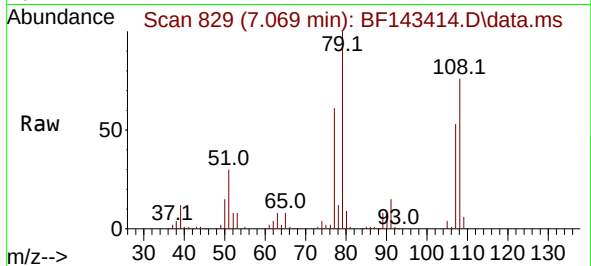




#15
Benzyl Alcohol
Concen: 34.380 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

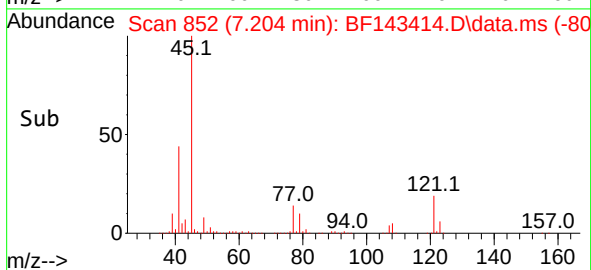
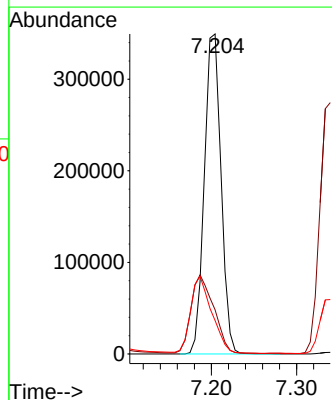
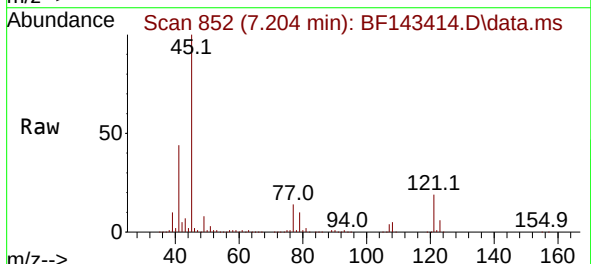
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

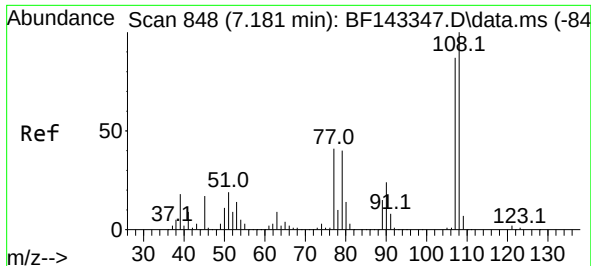
Tgt Ion: 79 Resp: 242210
Ion Ratio Lower Upper
79 100
108 75.5 61.5 92.3
77 61.0 49.8 74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.066 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion: 45 Resp: 475921
Ion Ratio Lower Upper
45 100
77 13.8 0.0 34.0
79 10.5 0.0 31.1

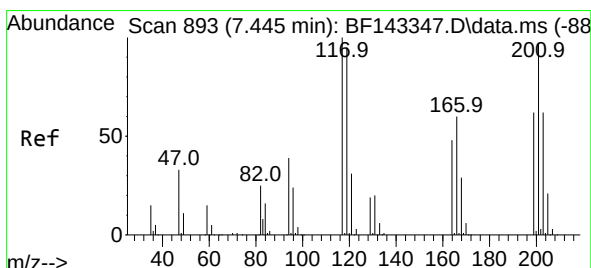
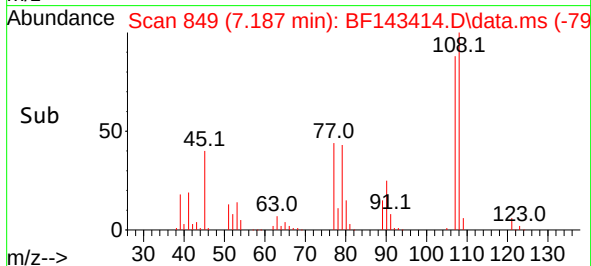
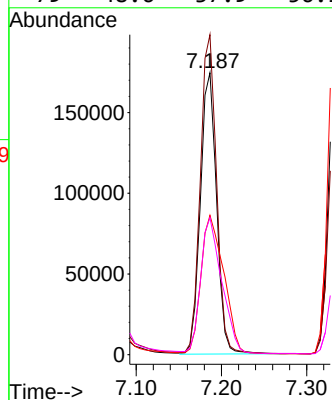
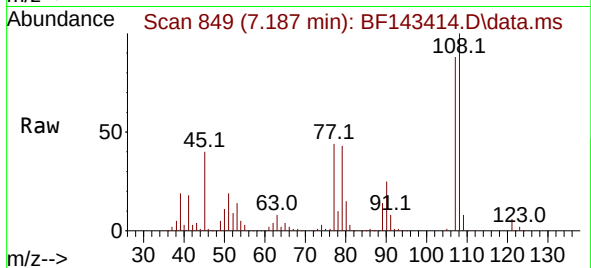




#17
2-Methylphenol
Concen: 33.263 ng
RT: 7.187 min Scan# 849
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

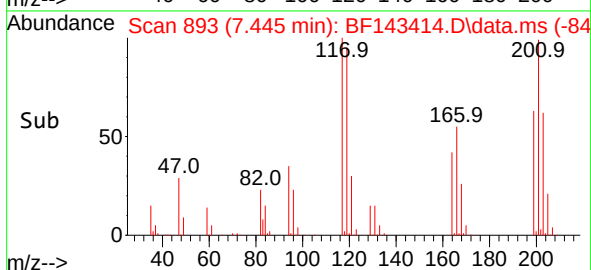
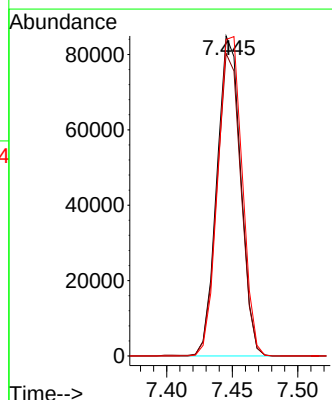
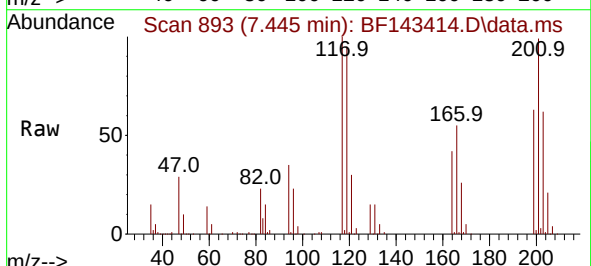
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

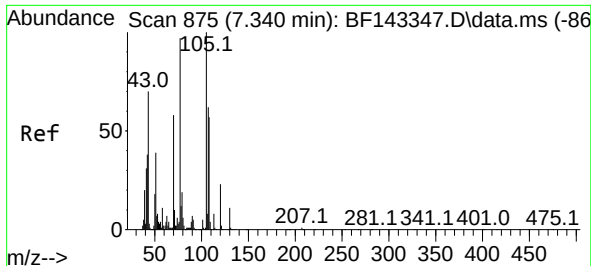
Tgt Ion:	107	Resp:	229936
Ion Ratio	Lower	Upper	
107	100		
108	113.5	92.0	138.0
77	49.5	38.2	57.2
79	48.6	37.9	56.9



#18
Hexachloroethane
Concen: 36.078 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:	117	Resp:	107231
Ion Ratio	Lower	Upper	
117	100		
119	94.5	75.8	113.8
201	98.9	77.2	115.8



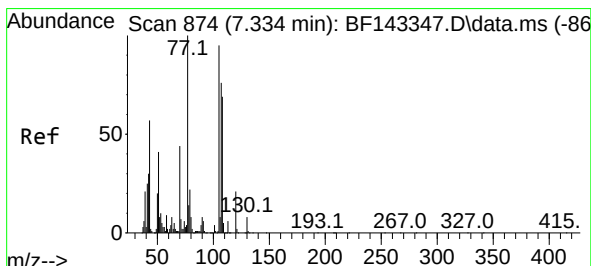
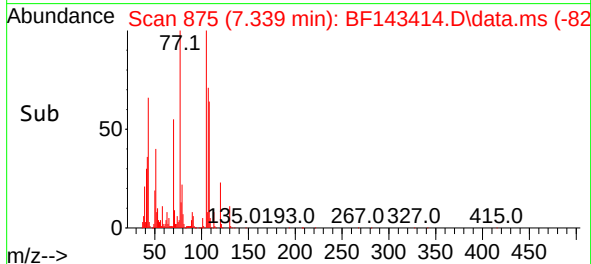
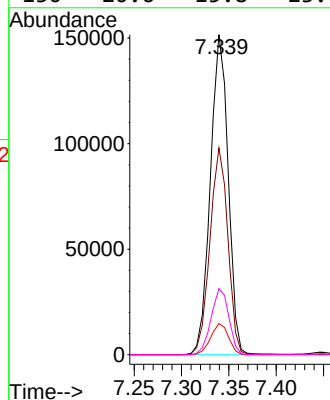
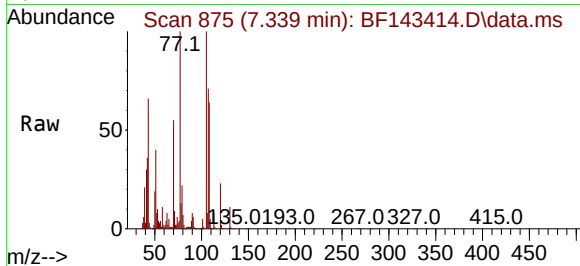


#19
n-Nitroso-di-n-propylamine
Concen: 32.620 ng
RT: 7.339 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 198094

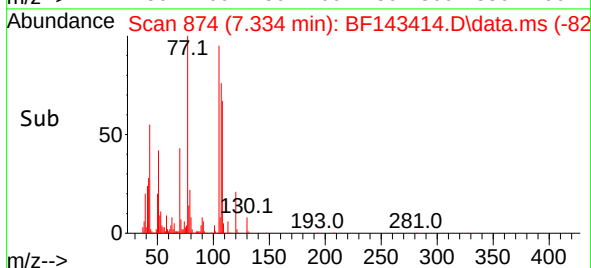
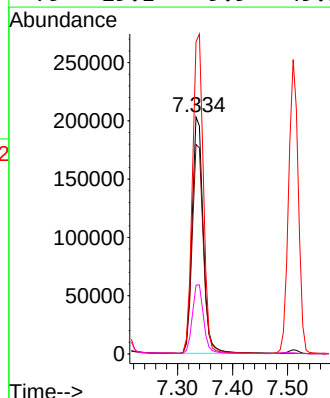
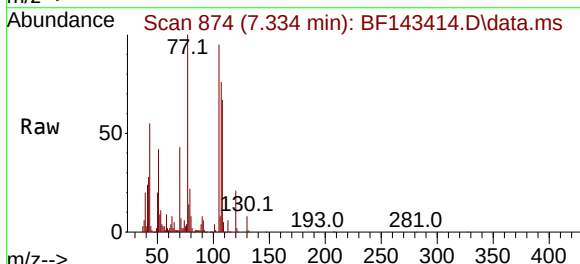
Ion	Ratio	Lower	Upper
70	100		
42	64.6	51.6	77.4
101	9.7	7.5	11.3
130	20.6	15.8	23.6

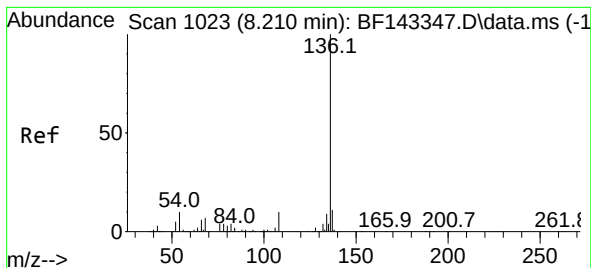


#20
3+4-Methylphenols
Concen: 33.947 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion: 107 Resp: 283796

Ion	Ratio	Lower	Upper
107	100		
108	88.4	70.6	110.6
77	131.8	112.0	152.0
79	29.1	9.9	49.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.216 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:136 Resp: 517048

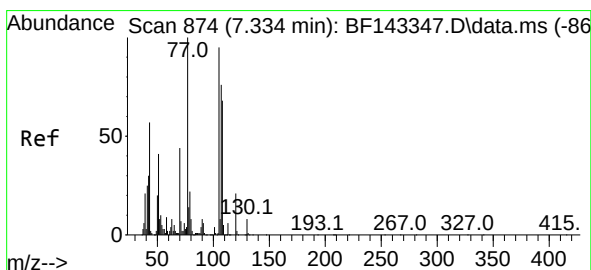
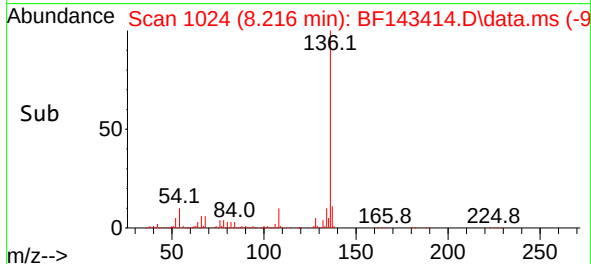
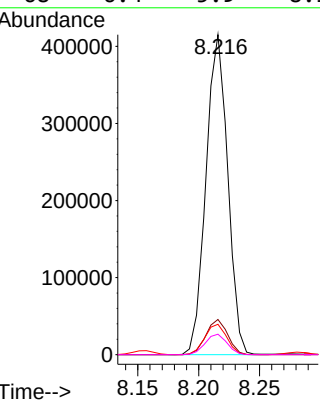
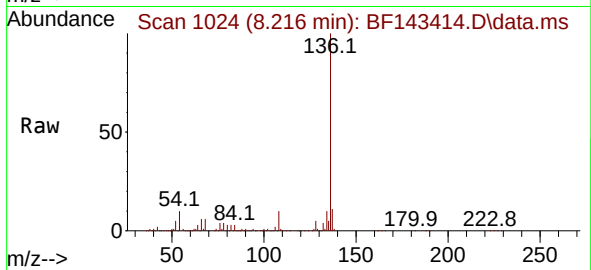
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.5 8.4 12.6

68 6.4 5.9 8.9



#22

Acetophenone

Concen: 32.094 ng

RT: 7.339 min Scan# 875

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Tgt Ion:105 Resp: 365619

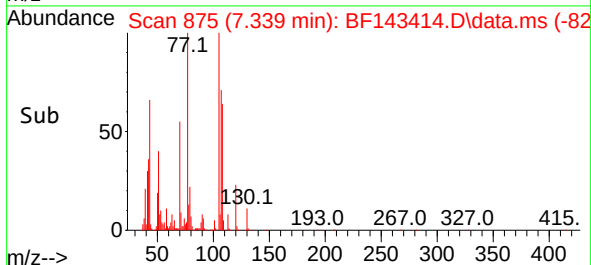
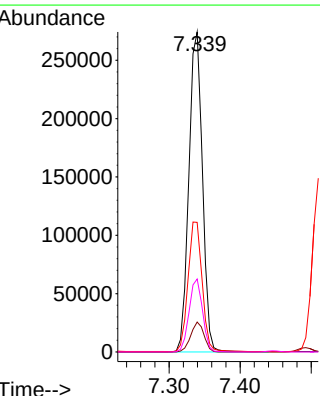
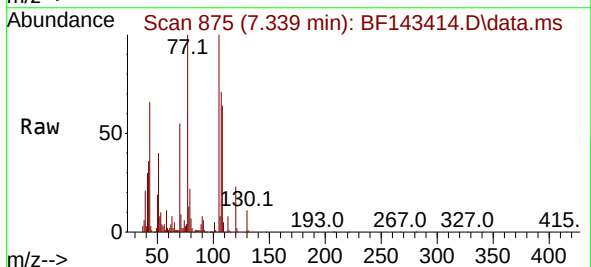
Ion Ratio Lower Upper

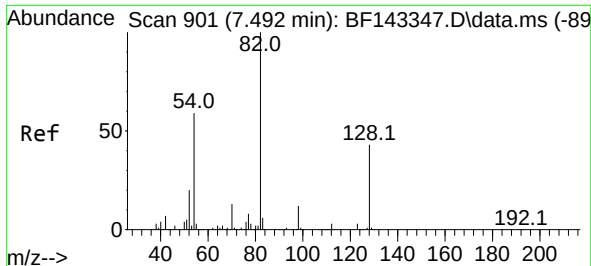
105 100

71 9.3 6.2 9.4

51 40.5 34.8 52.2

120 22.8 17.9 26.9





#23

Nitrobenzene-d5

Concen: 70.617 ng

RT: 7.492 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

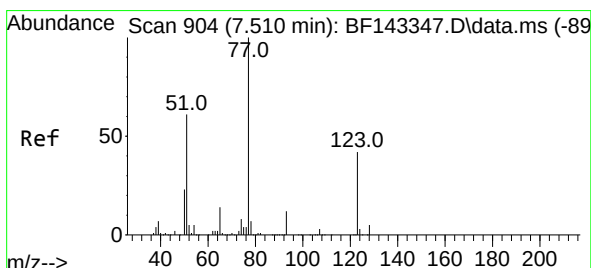
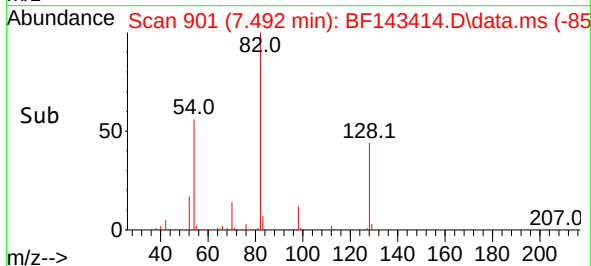
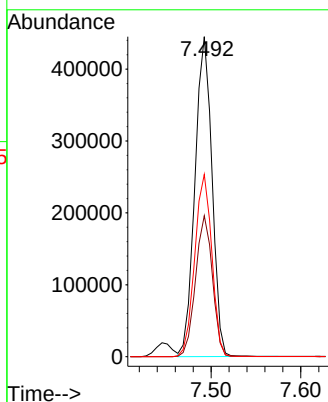
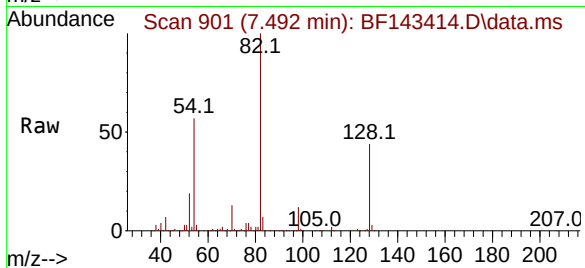
Tgt Ion: 82 Resp: 586323

Ion Ratio Lower Upper

82 100

128 44.1 33.5 50.3

54 57.0 46.7 70.1



#24

Nitrobenzene

Concen: 34.031 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

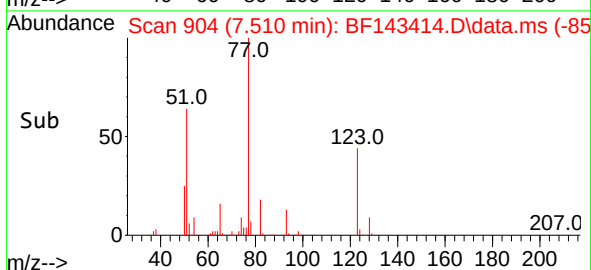
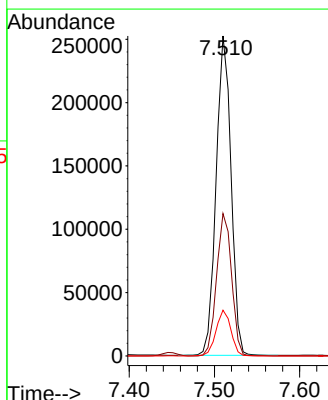
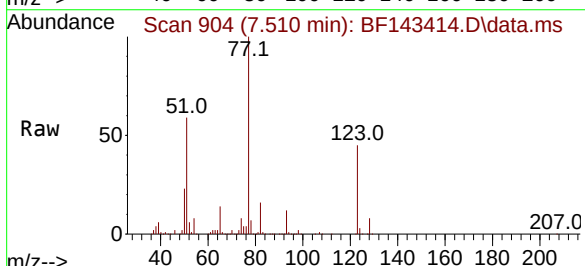
Tgt Ion: 77 Resp: 306868

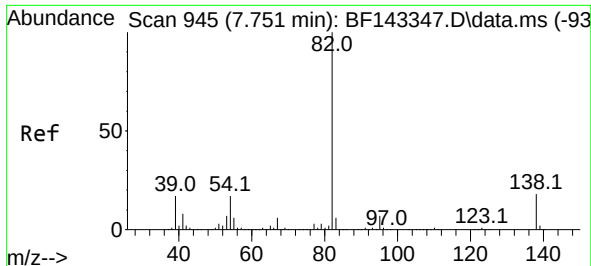
Ion Ratio Lower Upper

77 100

123 44.5 34.8 52.2

65 14.3 11.0 16.6

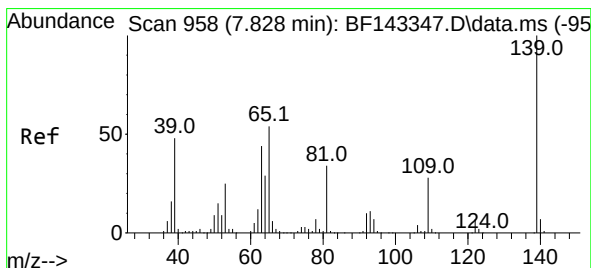
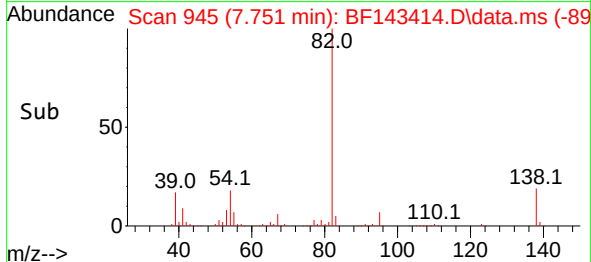
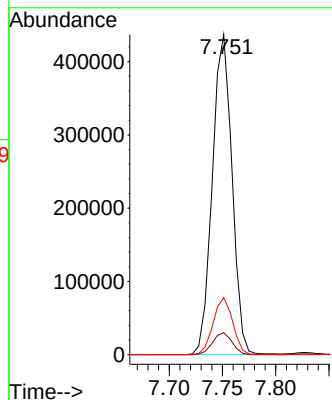
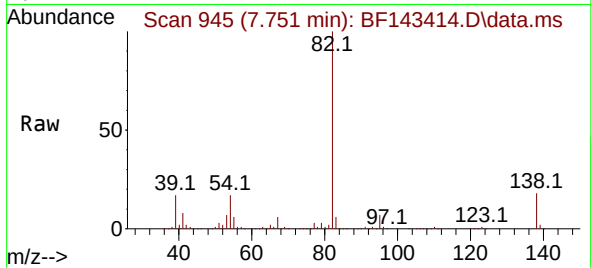




#25
Isophorone
Concen: 32.967 ng
RT: 7.751 min Scan# 945
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

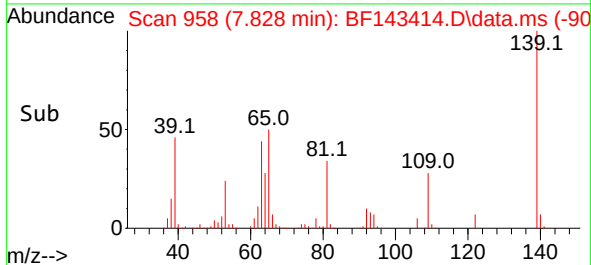
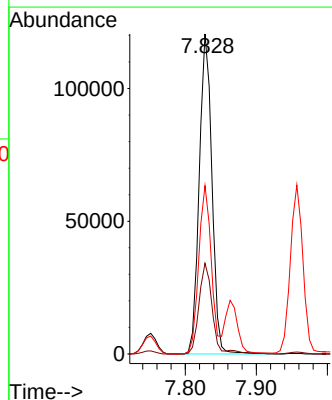
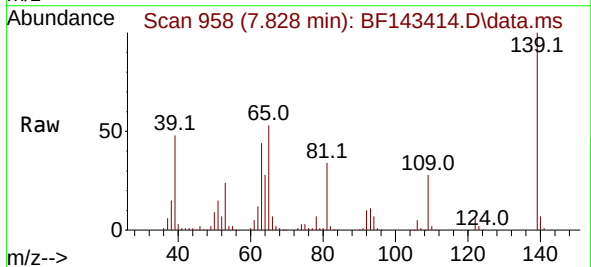
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

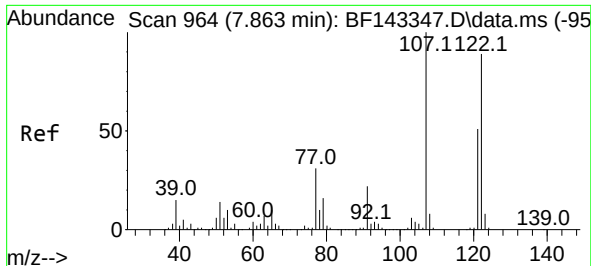
Tgt Ion: 82 Resp: 558781
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.9 14.6 21.8



#26
2-Nitrophenol
Concen: 42.036 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:139 Resp: 150133
Ion Ratio Lower Upper
139 100
109 28.3 22.4 33.6
65 52.6 42.9 64.3

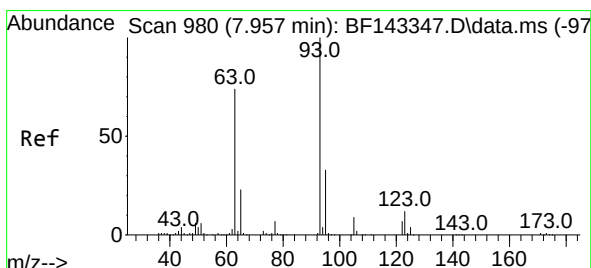
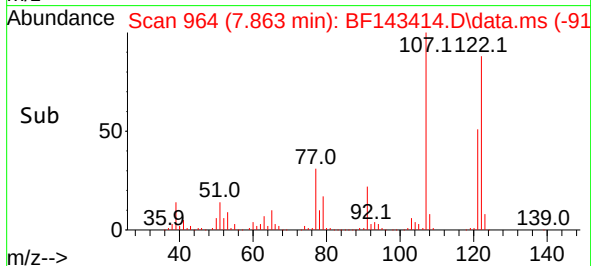
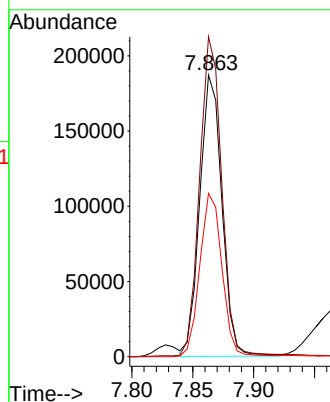
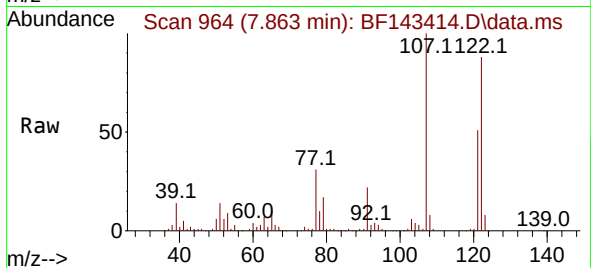




#27
2,4-Dimethylphenol
Concen: 33.403 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

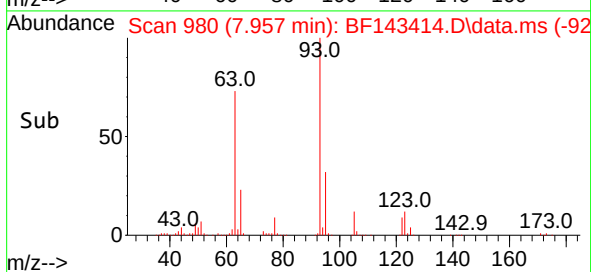
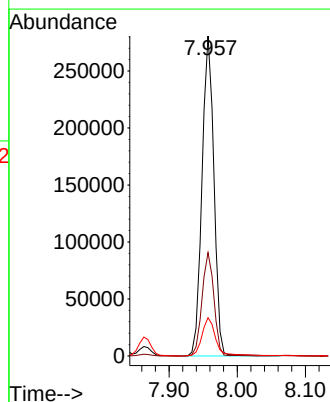
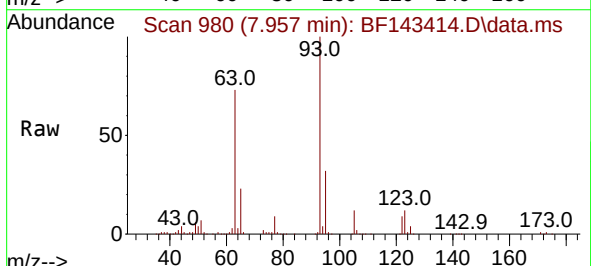
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

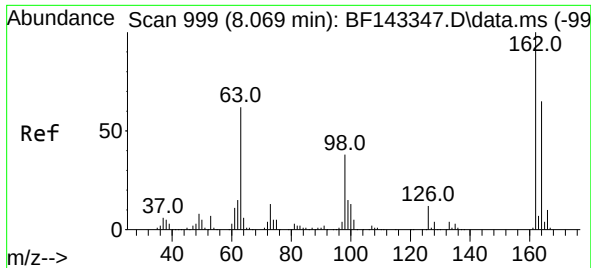
Tgt Ion:	122	Resp:	236206
Ion	Ratio	Lower	Upper
122	100		
107	113.6	89.9	134.9
121	58.0	46.2	69.4



#28
bis(2-Chloroethoxy)methane
Concen: 33.061 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:	93	Resp:	342133
Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	12.0	9.4	14.2

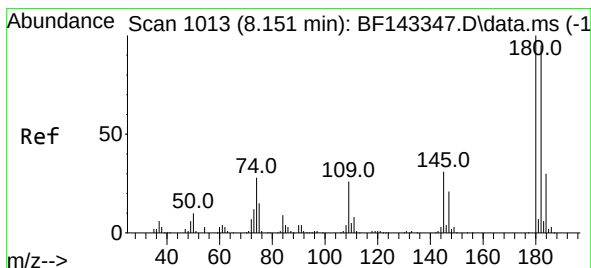
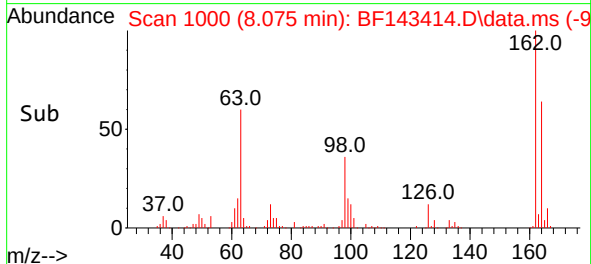
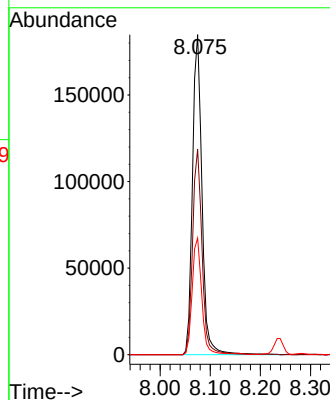
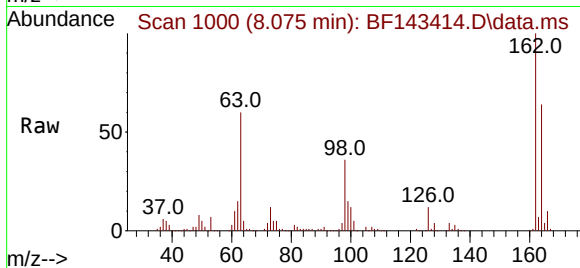




#29
2,4-Dichlorophenol
Concen: 35.311 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

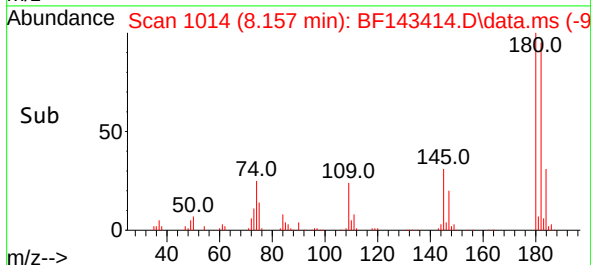
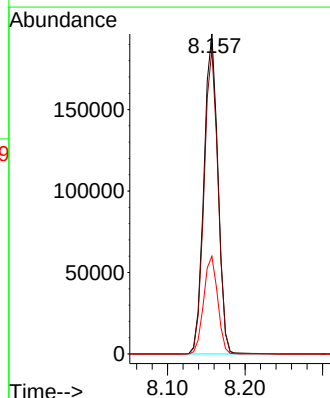
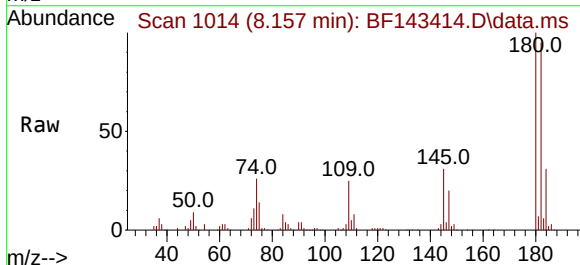
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

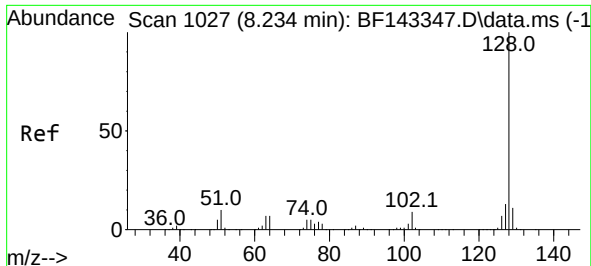
Tgt Ion:162 Resp: 243882
Ion Ratio Lower Upper
162 100
164 64.2 44.5 84.5
98 36.4 17.7 57.7



#30
1,2,4-Trichlorobenzene
Concen: 33.779 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:180 Resp: 246099
Ion Ratio Lower Upper
180 100
182 95.1 76.1 114.1
145 30.6 24.9 37.3

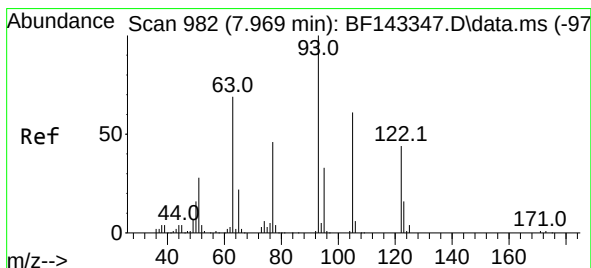
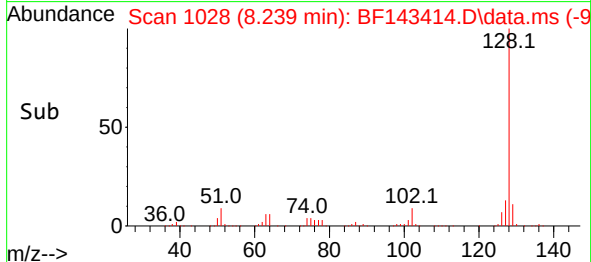
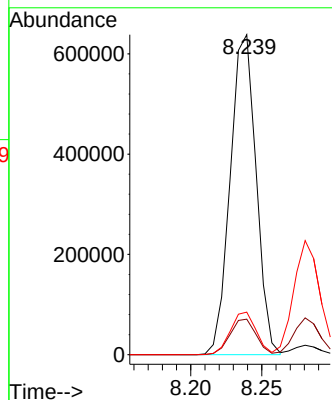
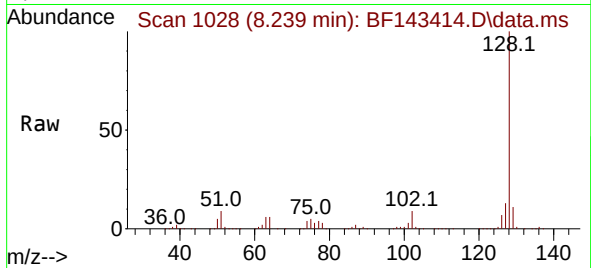




#31
Naphthalene
Concen: 32.577 ng
RT: 8.239 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

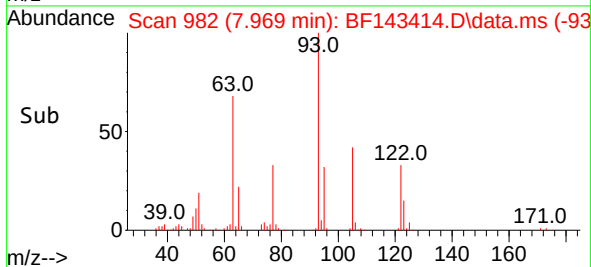
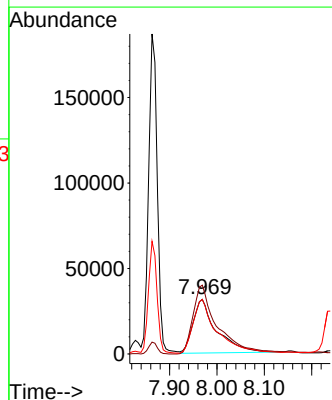
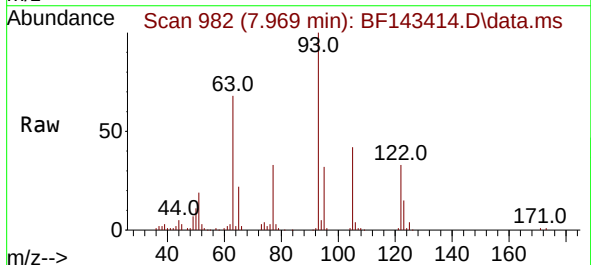
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

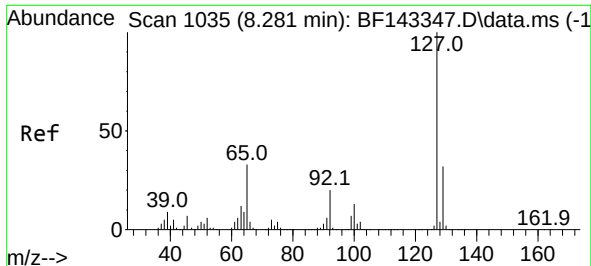
Tgt Ion:128 Resp: 810500
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.3 10.7 16.1



#32
Benzoic acid
Concen: 38.012 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:122 Resp: 107890
Ion Ratio Lower Upper
122 100
105 125.9 106.4 146.4
77 99.8 79.2 119.2

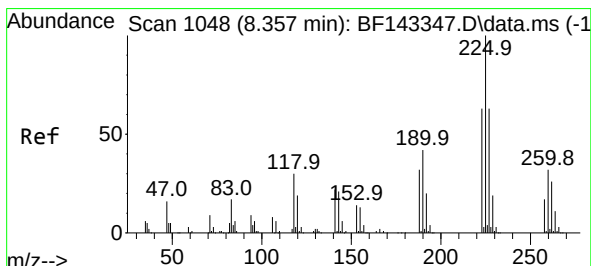
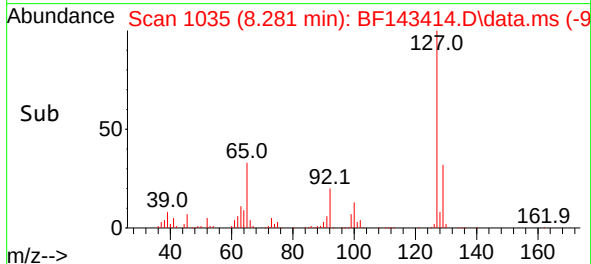
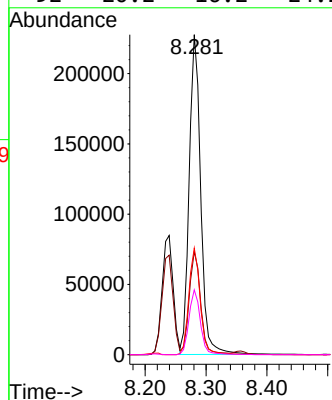
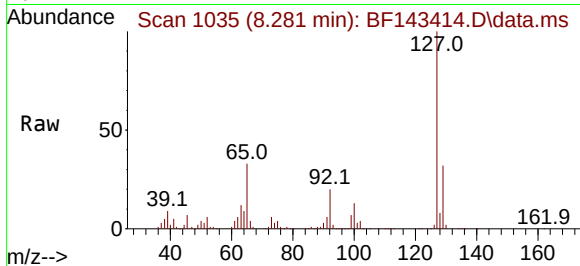




#33
4-Chloroaniline
Concen: 33.361 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

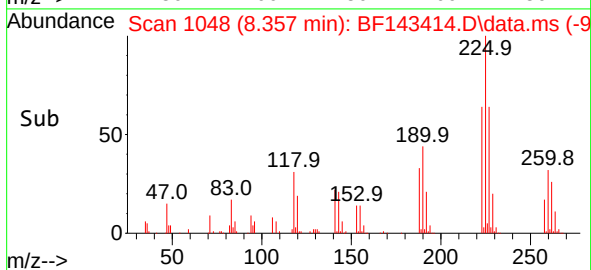
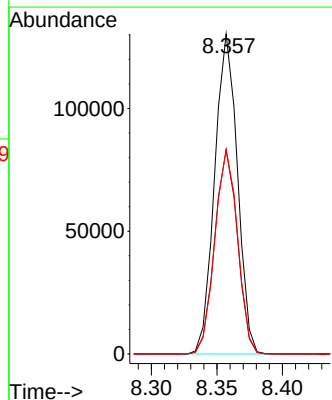
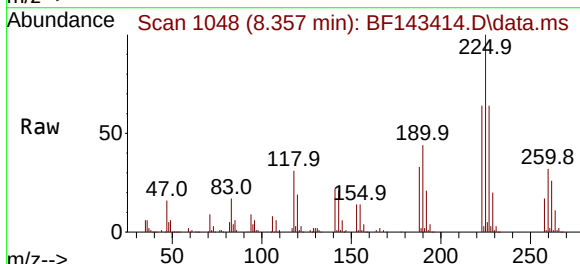
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

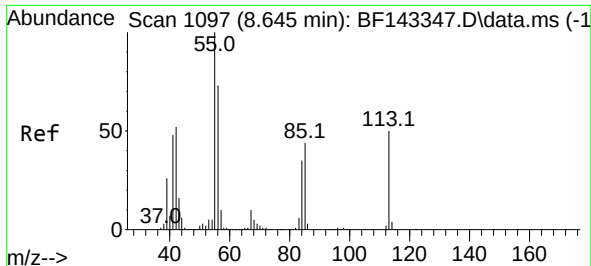
Tgt Ion:	127	Resp:	299367
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	33.3	27.0	40.4
92	20.2	16.2	24.2



#34
Hexachlorobutadiene
Concen: 34.683 ng
RT: 8.357 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:	225	Resp:	157186
Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.1	75.1
227	64.0	50.6	75.8

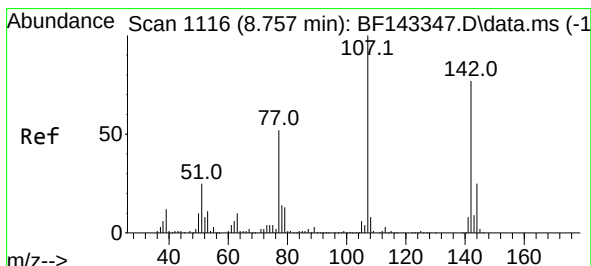
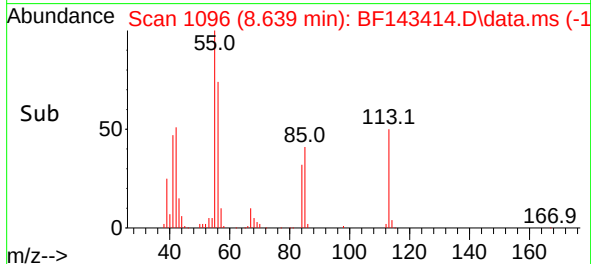
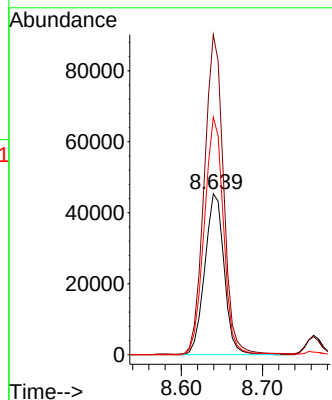
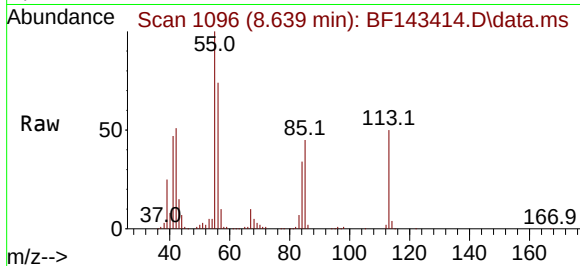




#35
Caprolactam
Concen: 38.568 ng
RT: 8.639 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

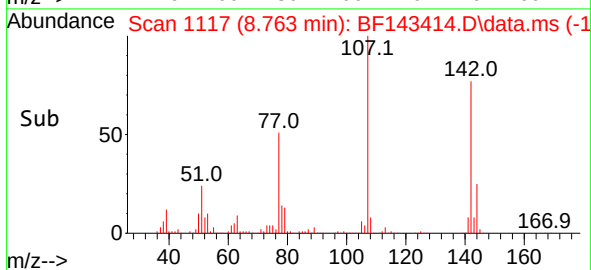
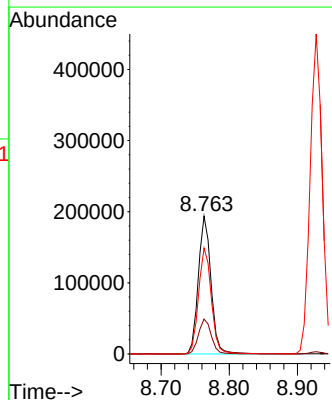
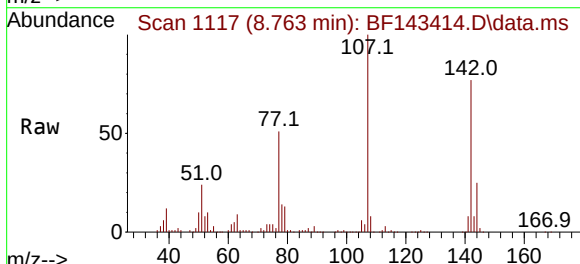
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

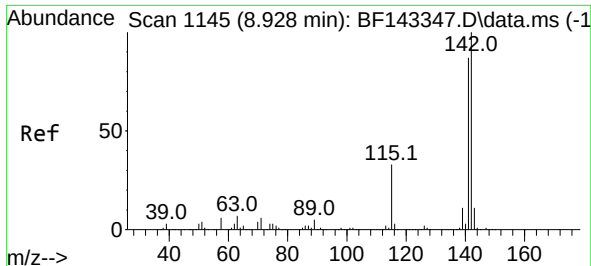
Tgt Ion	Ratio	Lower	Upper
113	100		
55	198.9	181.4	221.4
56	147.7	127.3	167.3



#36
4-Chloro-3-methylphenol
Concen: 34.724 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.0	30.0
142	76.9	61.3	91.9

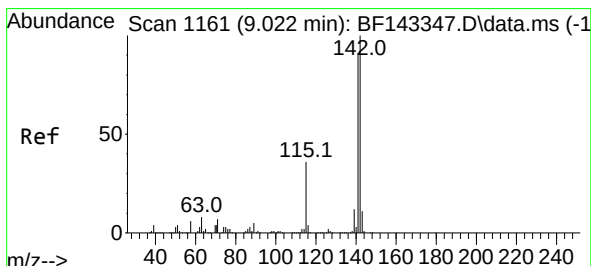
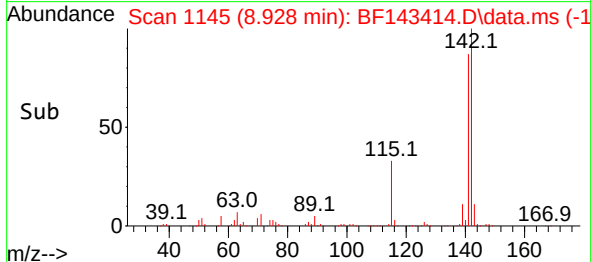
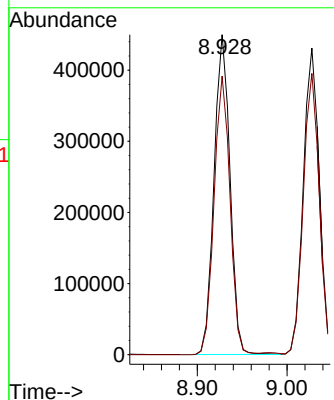
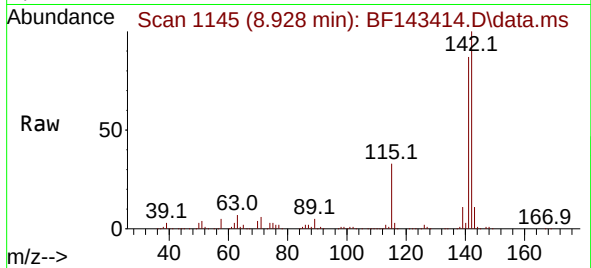




#37
2-Methylnaphthalene
Concen: 33.929 ng
RT: 8.928 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

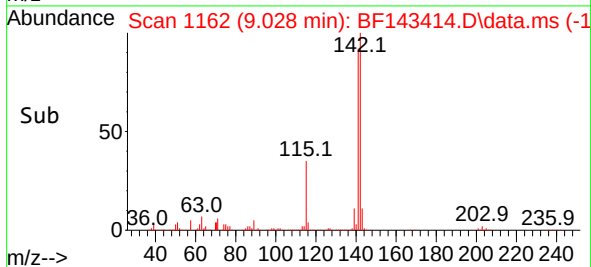
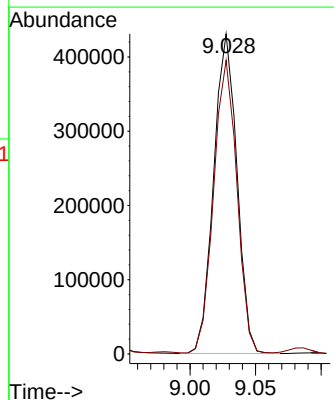
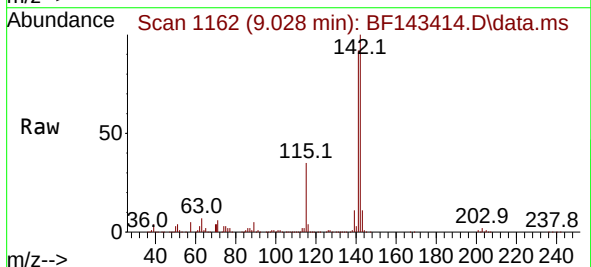
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

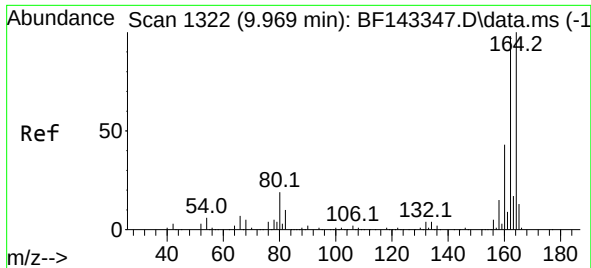
Tgt Ion:142 Resp: 554956
Ion Ratio Lower Upper
142 100
141 87.0 69.8 104.8



#38
1-Methylnaphthalene
Concen: 33.644 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:142 Resp: 529993
Ion Ratio Lower Upper
142 100
141 91.8 73.0 109.4

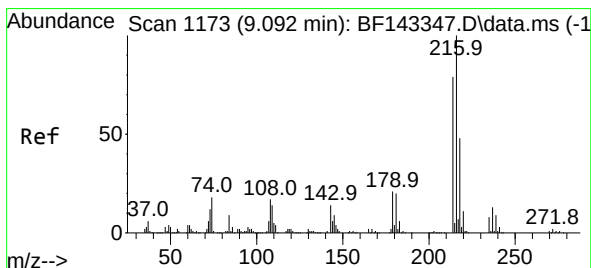
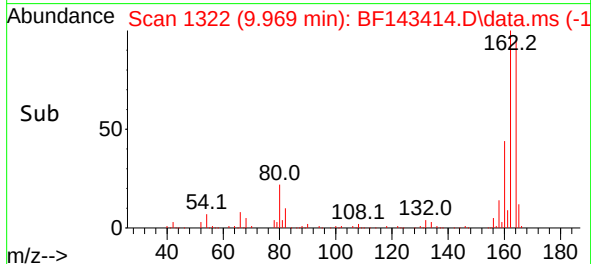
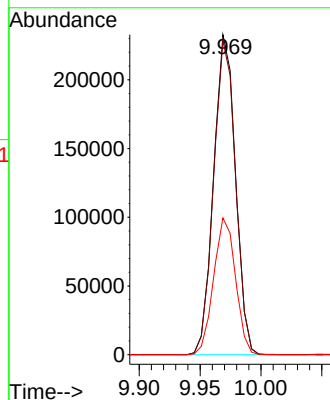
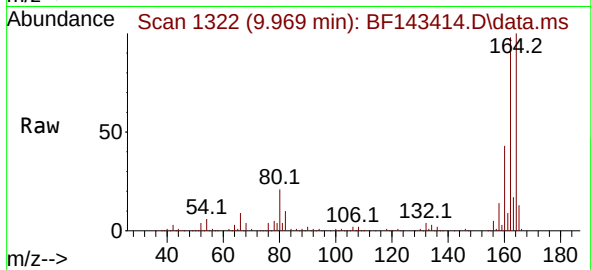




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

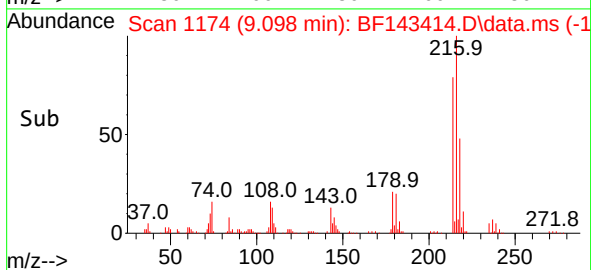
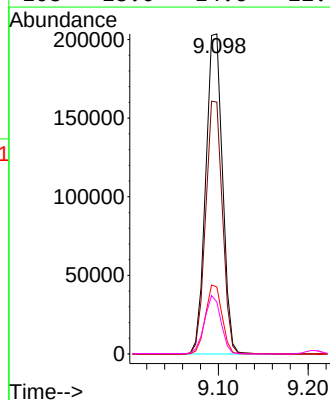
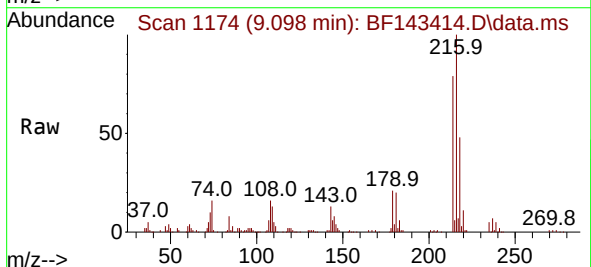
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

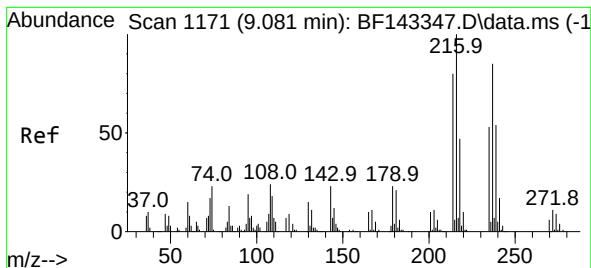
Tgt Ion:164 Resp: 290133
Ion Ratio Lower Upper
164 100
162 98.2 78.6 118.0
160 42.8 34.4 51.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 33.273 ng
RT: 9.098 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:216 Resp: 264167
Ion Ratio Lower Upper
216 100
214 79.0 63.0 94.4
179 21.2 17.0 25.4
108 18.0 14.6 22.0





#41

Hexachlorocyclopentadiene

Concen: 33.685 ng

RT: 9.086 min Scan# 1171

Delta R.T. 0.005 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

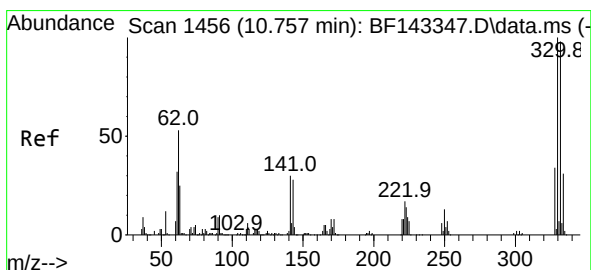
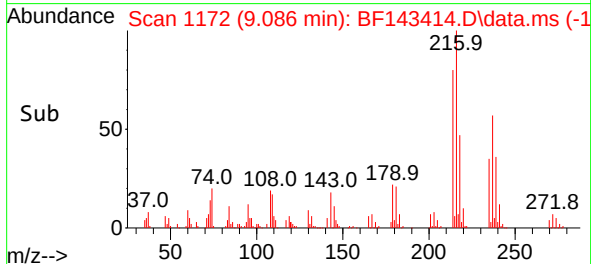
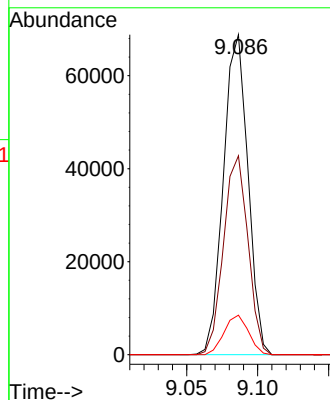
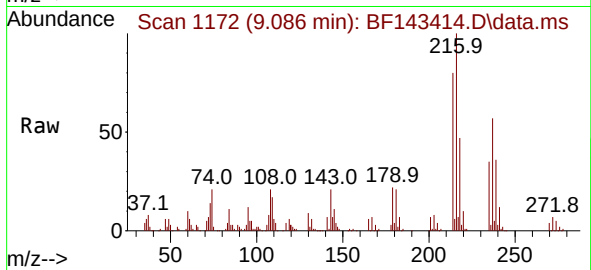
Tgt Ion:237 Resp: 82626

Ion Ratio Lower Upper

237 100

235 62.2 42.0 82.0

272 12.4 0.0 32.6



#42

2,4,6-Tribromophenol

Concen: 80.975 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

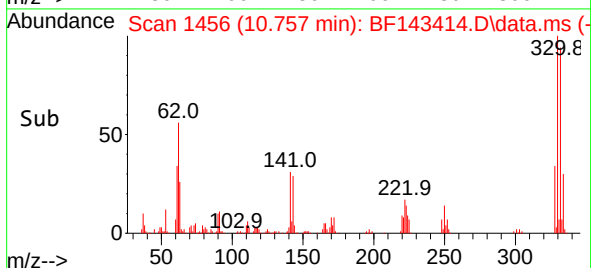
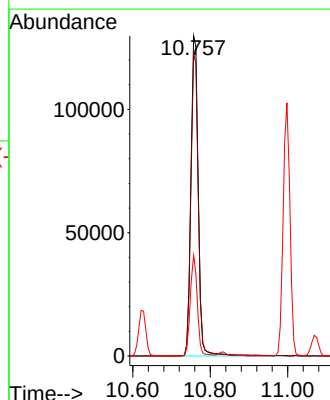
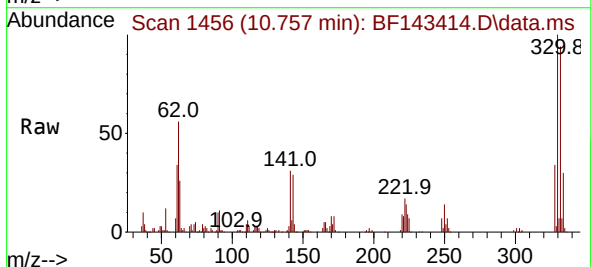
Tgt Ion:330 Resp: 171695

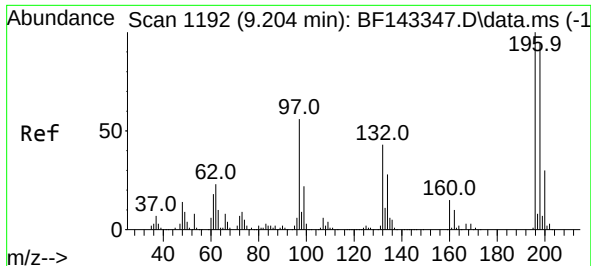
Ion Ratio Lower Upper

330 100

332 94.3 78.1 117.1

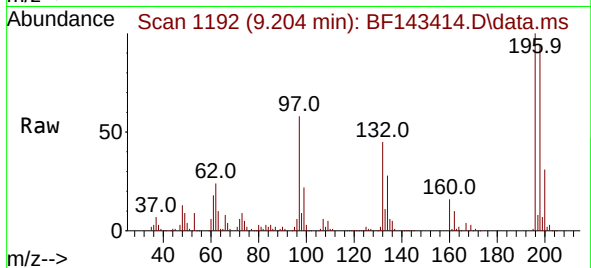
141 30.0 25.4 38.0



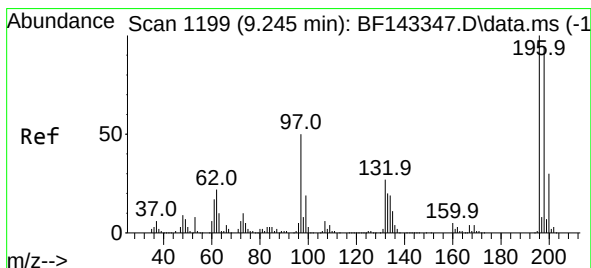
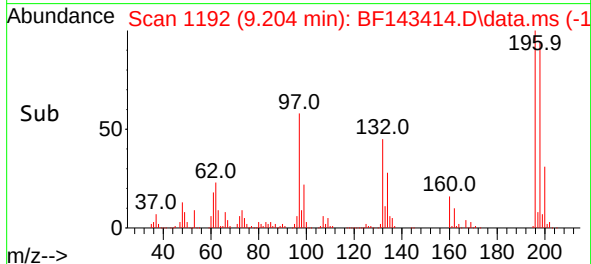
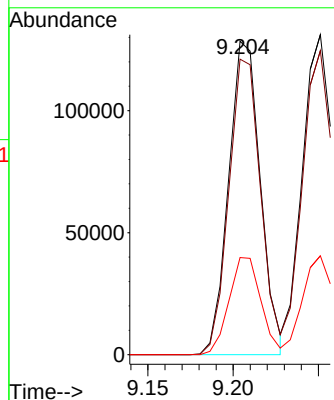


#43
2,4,6-Trichlorophenol
Concen: 36.945 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

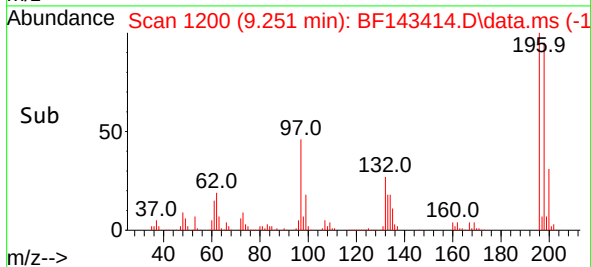
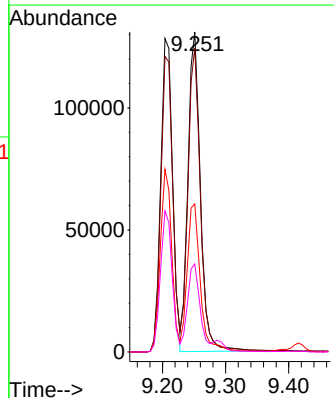
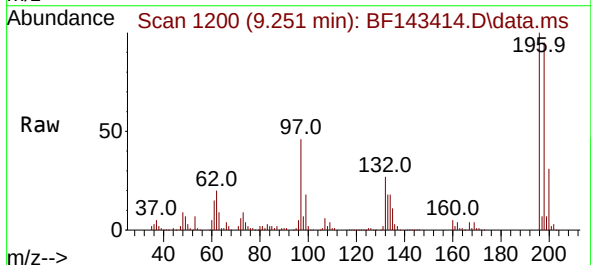


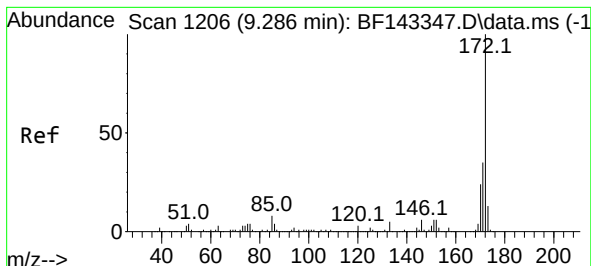
Tgt Ion:196 Resp: 166424
Ion Ratio Lower Upper
196 100
198 94.3 75.4 113.0
200 31.0 24.3 36.5



#44
2,4,5-Trichlorophenol
Concen: 35.491 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:196 Resp: 180539
Ion Ratio Lower Upper
196 100
198 95.0 75.4 113.2
97 46.3 39.9 59.9
132 27.5 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 65.272 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

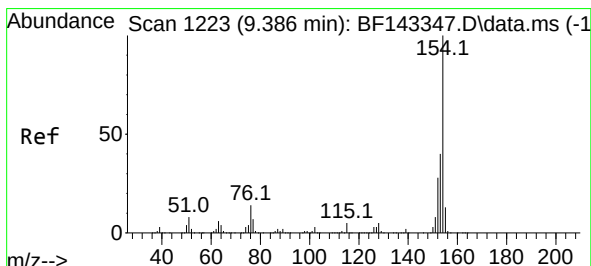
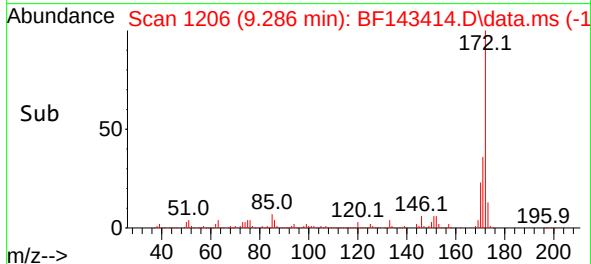
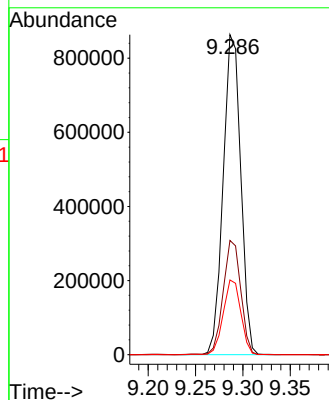
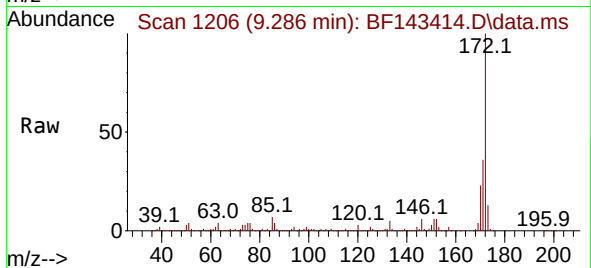
Tgt Ion:172 Resp: 1116757

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.3 19.1 28.7



#46

1,1'-Biphenyl

Concen: 32.572 ng

RT: 9.392 min Scan# 1224

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

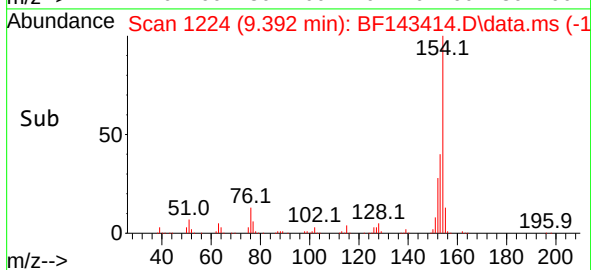
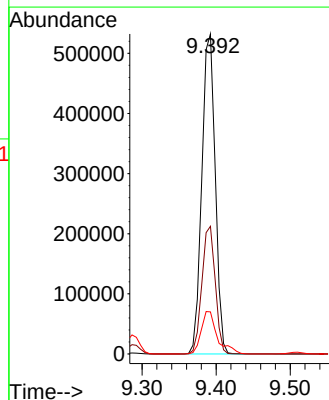
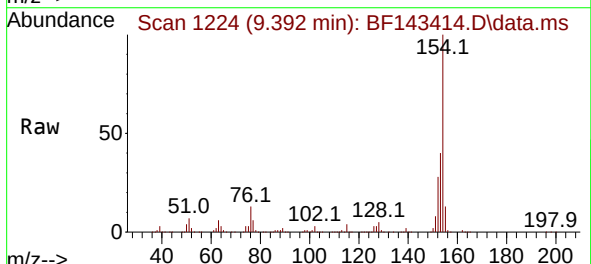
Tgt Ion:154 Resp: 668180

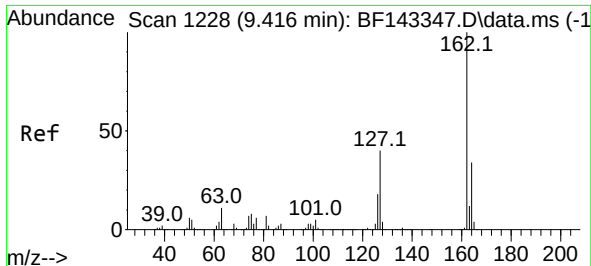
Ion Ratio Lower Upper

154 100

153 39.9 20.2 60.2

76 13.1 0.0 34.4





#47

2-Chloronaphthalene

Concen: 32.510 ng

RT: 9.416 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

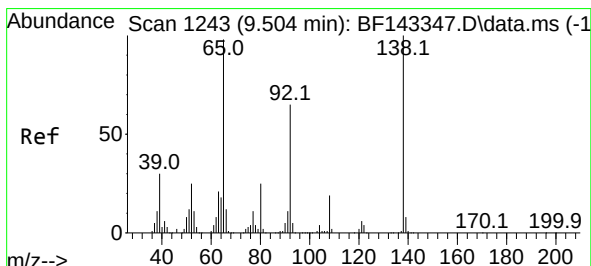
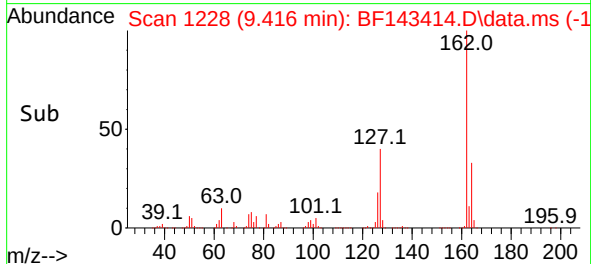
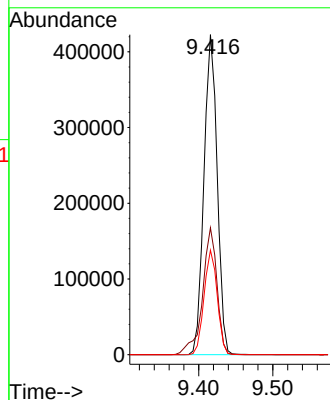
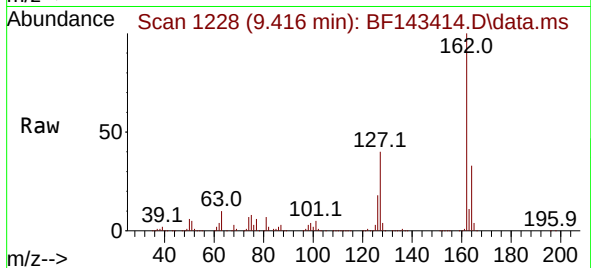
Tgt Ion:162 Resp: 525241

Ion Ratio Lower Upper

162 100

127 39.6 32.1 48.1

164 32.6 27.0 40.4



#48

2-Nitroaniline

Concen: 36.111 ng

RT: 9.510 min Scan# 1244

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

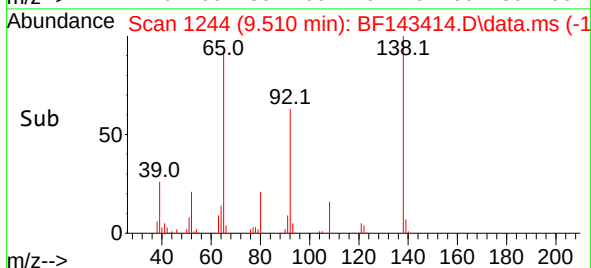
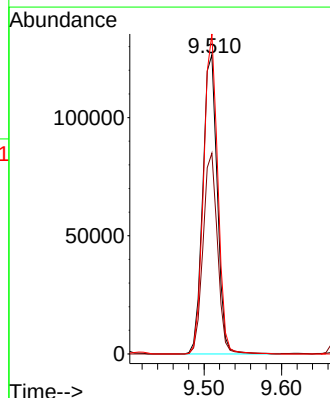
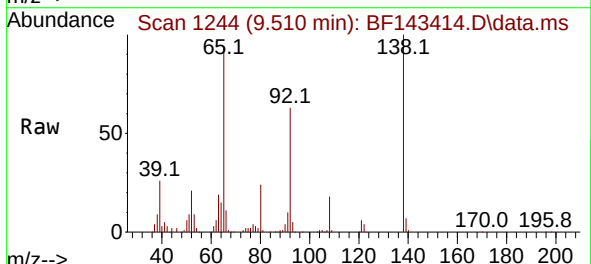
Tgt Ion: 65 Resp: 164879

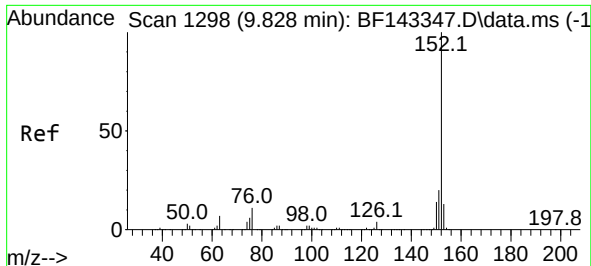
Ion Ratio Lower Upper

65 100

92 67.1 53.1 79.7

138 106.9 81.4 122.0





#49

Acenaphthylene

Concen: 32.585 ng

RT: 9.833 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

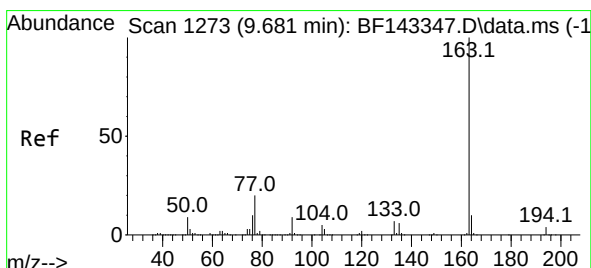
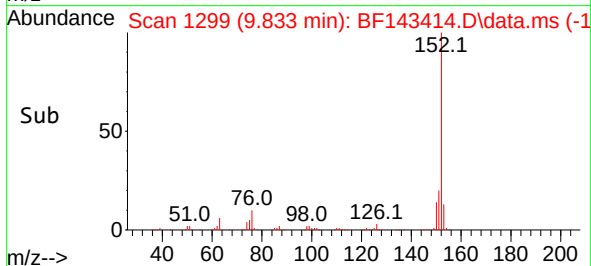
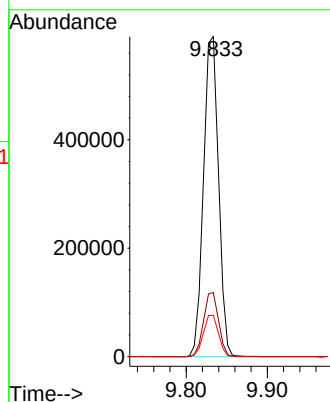
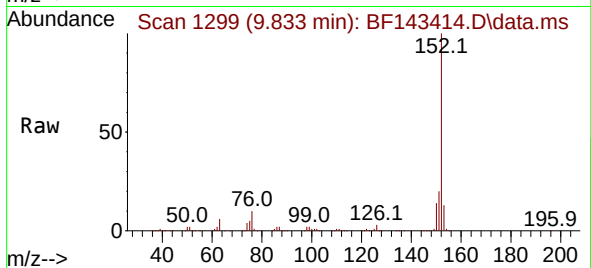
Tgt Ion:152 Resp: 760268

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

153 12.9 10.6 16.0



#50

Dimethylphthalate

Concen: 36.250 ng

RT: 9.680 min Scan# 1273

Delta R.T. -0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

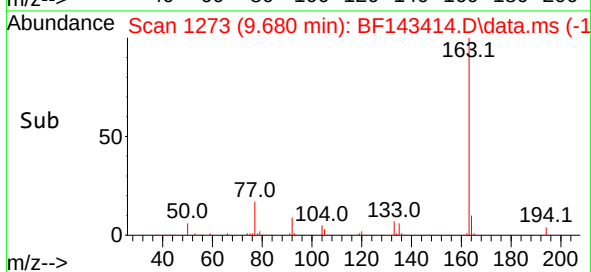
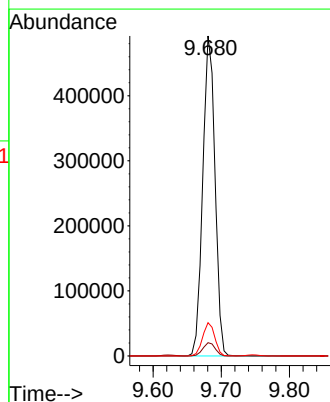
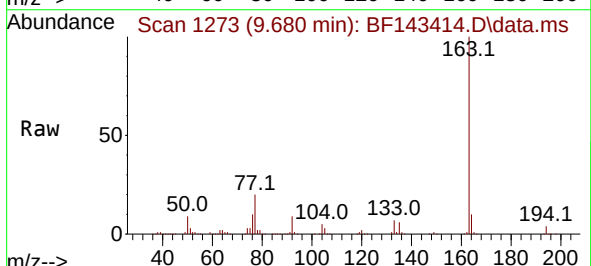
Tgt Ion:163 Resp: 614540

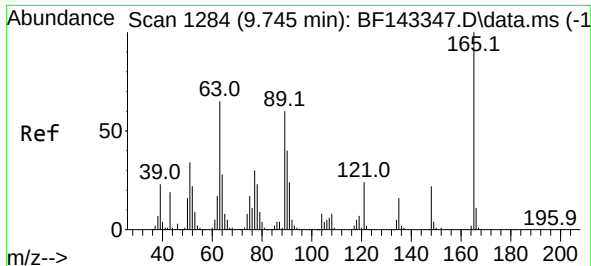
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.4 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 40.656 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

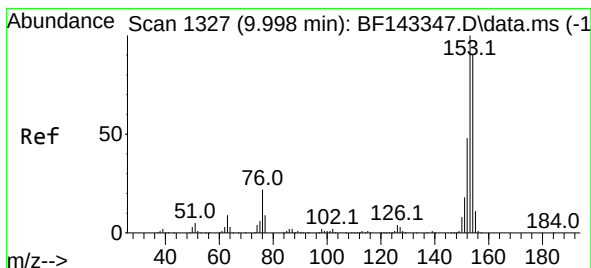
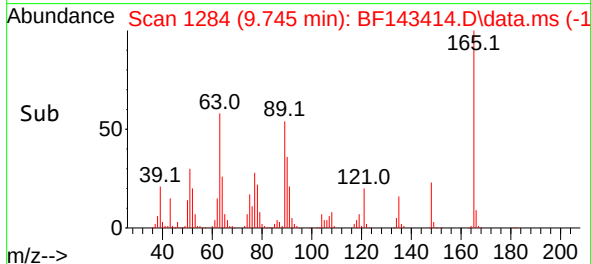
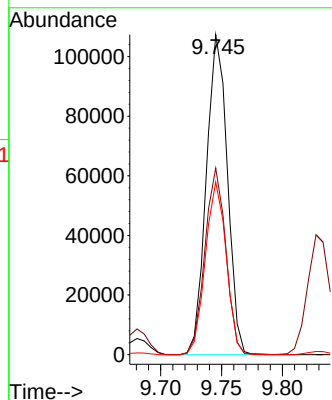
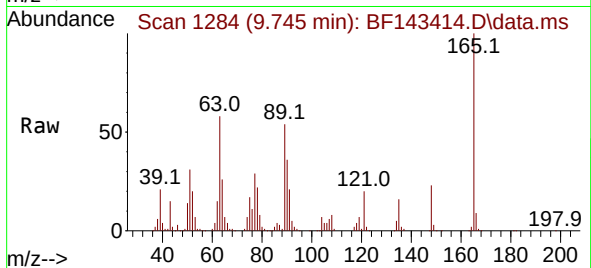
Tgt Ion:165 Resp: 128875

Ion Ratio Lower Upper

165 100

63 58.3 51.6 77.4

89 53.9 47.7 71.5



#52

Acenaphthene

Concen: 31.799 ng

RT: 10.004 min Scan# 1328

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

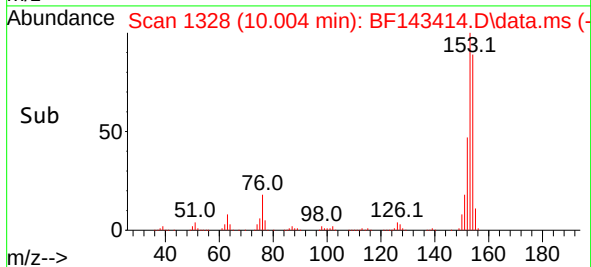
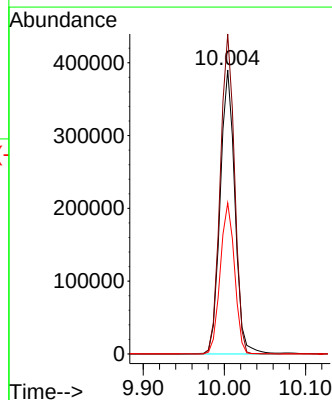
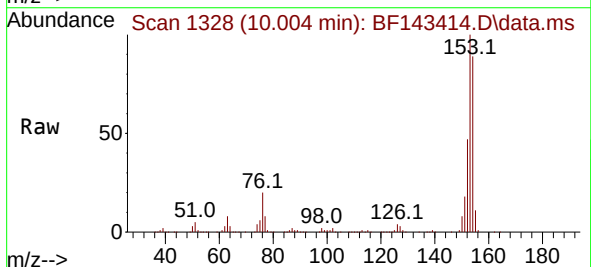
Tgt Ion:154 Resp: 493236

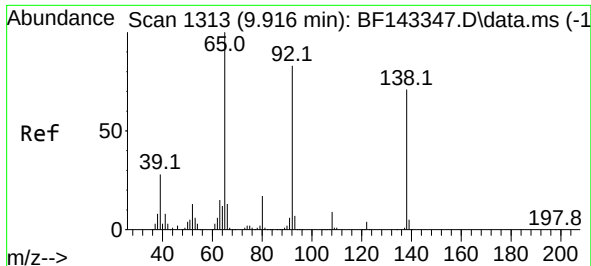
Ion Ratio Lower Upper

154 100

153 112.7 88.5 132.7

152 53.2 42.4 63.6

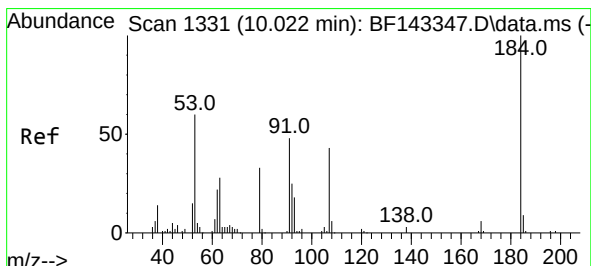
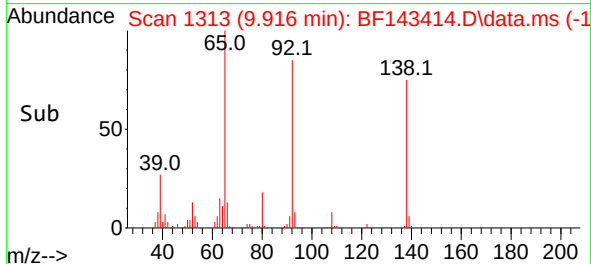
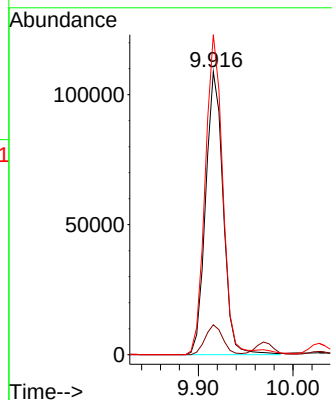
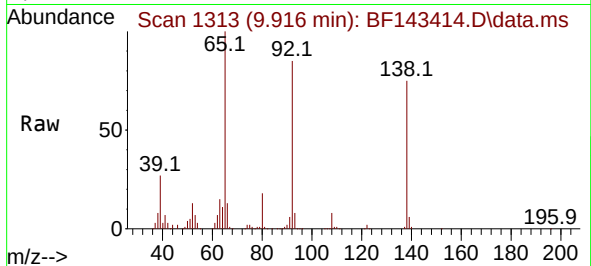




#53
3-Nitroaniline
Concen: 40.277 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

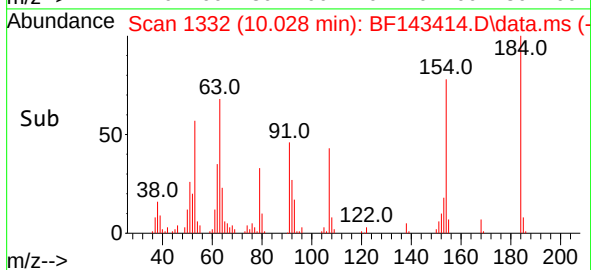
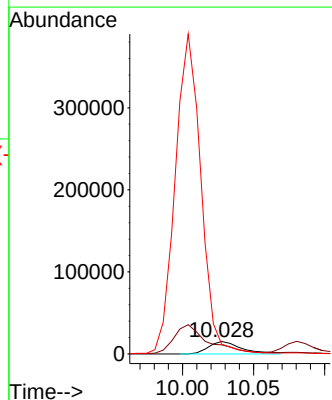
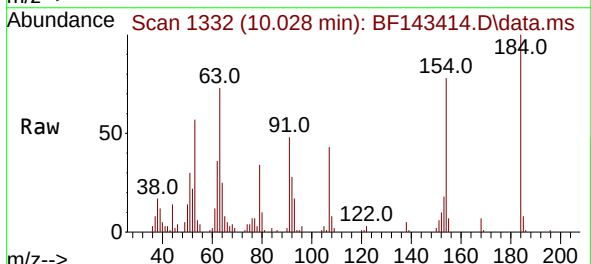
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

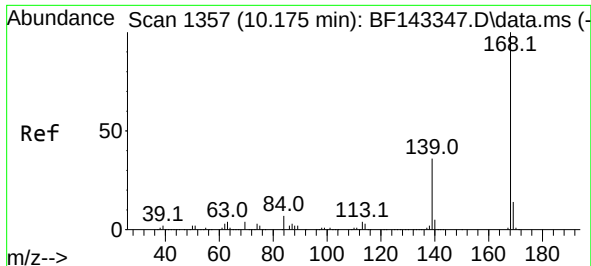
Tgt Ion:138 Resp: 139833
Ion Ratio Lower Upper
138 100
108 10.6 9.6 14.4
92 113.1 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 29.103 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

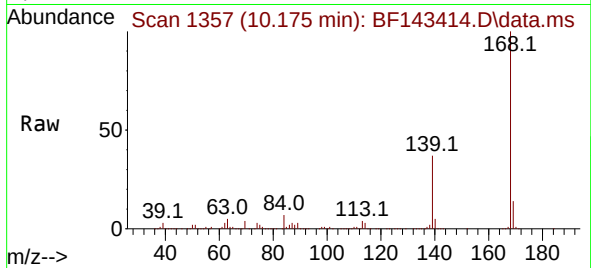
Tgt Ion:184 Resp: 24625
Ion Ratio Lower Upper
184 100
63 73.0 62.5 93.7
154 78.0 73.0 109.4



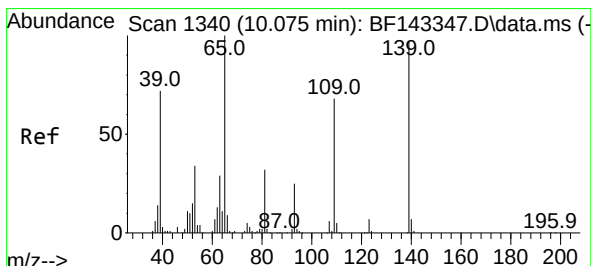
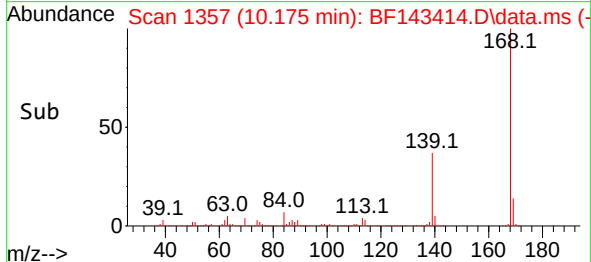
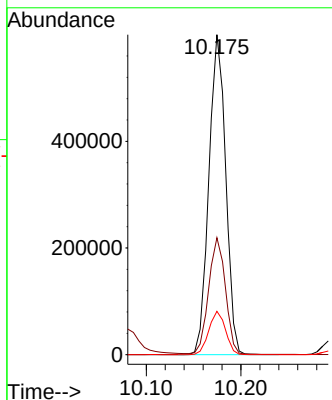


#55
Dibenzofuran
Concen: 33.049 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

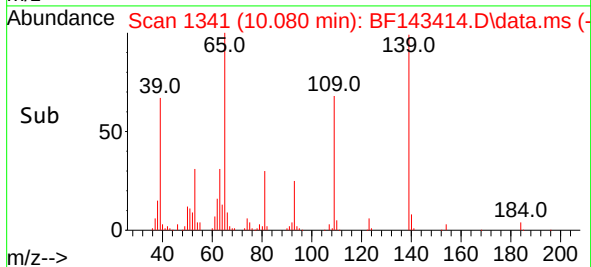
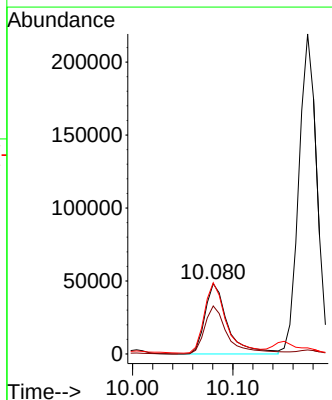
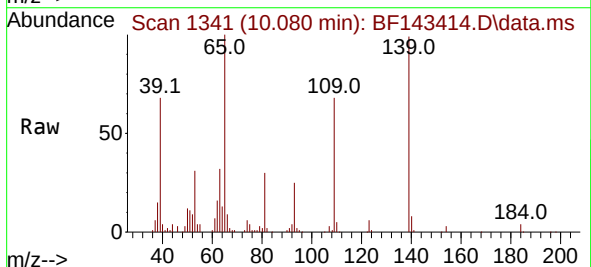


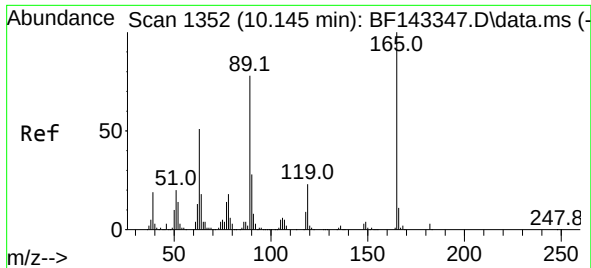
Tgt Ion:	168	Resp:	737792
Ion Ratio	Lower	Upper	
168	100		
139	36.5	29.4	44.0
169	13.5	11.0	16.6



#56
4-Nitrophenol
Concen: 30.958 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:	139	Resp:	75898
Ion Ratio	Lower	Upper	
139	100		
109	68.4	49.4	89.4
65	101.3	83.7	123.7

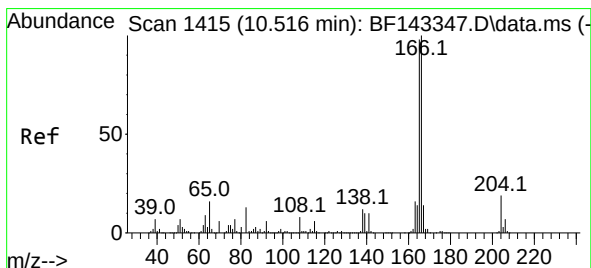
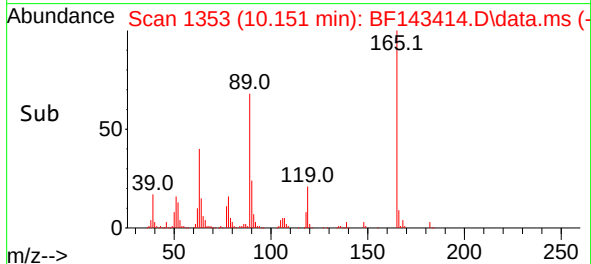
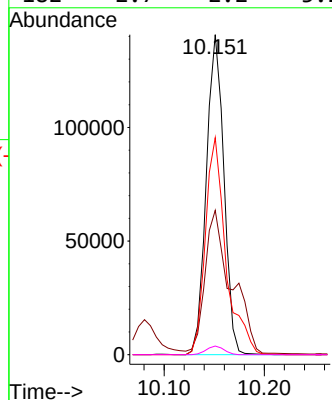
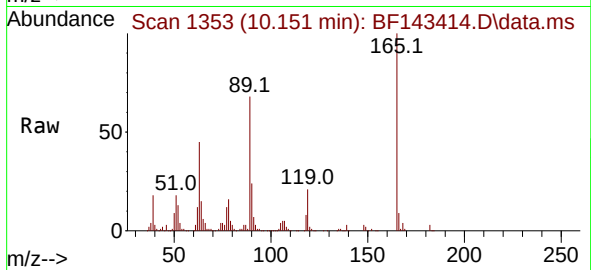




#57
2,4-Dinitrotoluene
Concen: 40.754 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

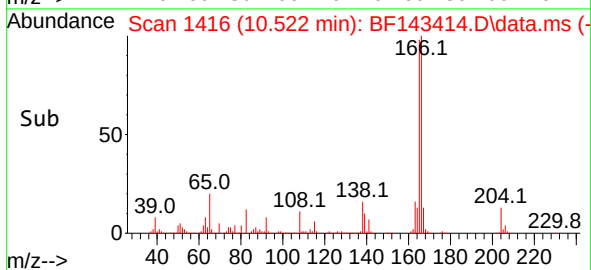
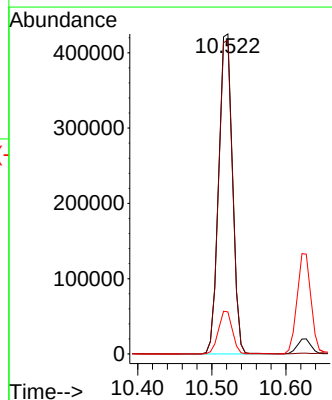
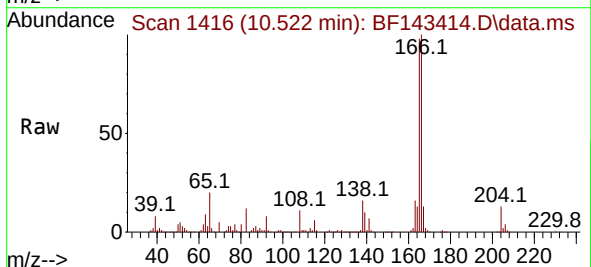
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

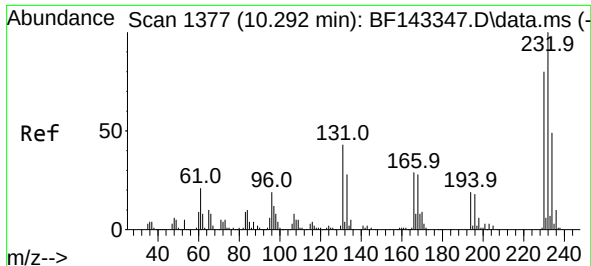
Tgt Ion:165	Resp:	171422
Ion	Ratio	Lower Upper
165	100	
63	45.1	41.8 62.8
89	67.8	62.4 93.6
182	2.7	2.2 3.2



#58
Fluorene
Concen: 32.317 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:166	Resp:	551057
Ion	Ratio	Lower Upper
166	100	
165	98.0	78.2 117.4
167	13.1	10.9 16.3

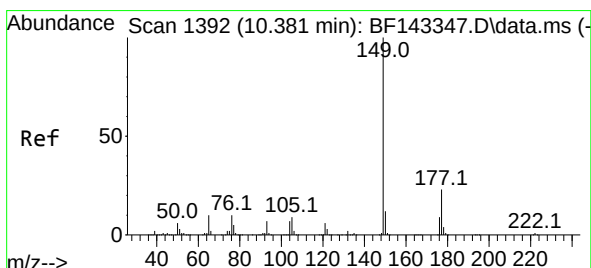
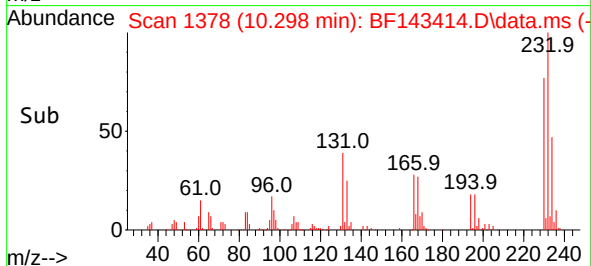
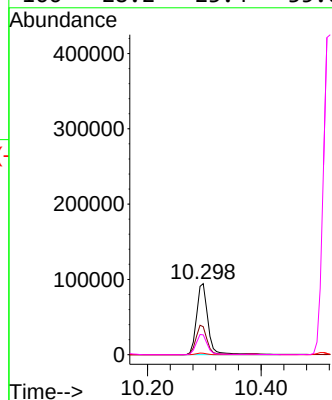
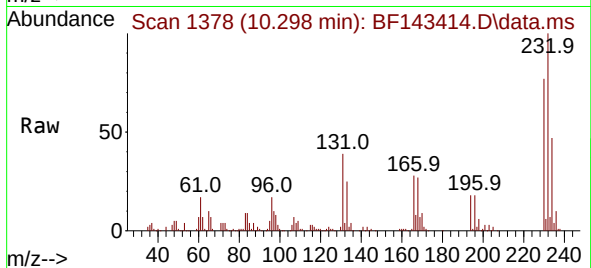




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.636 ng
RT: 10.298 min Scan# 1377
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

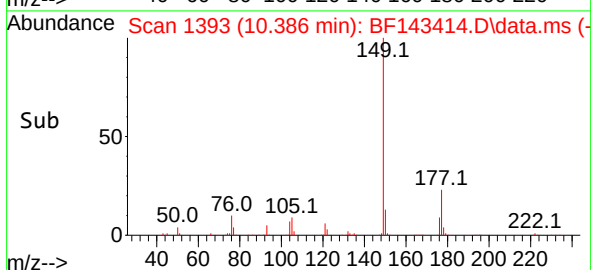
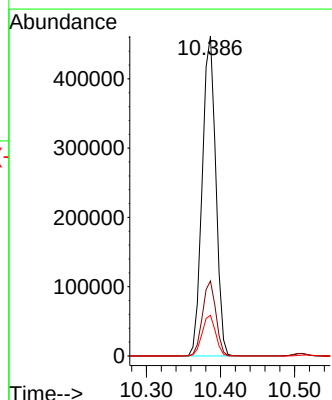
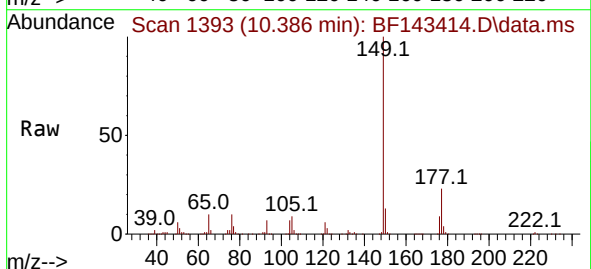
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

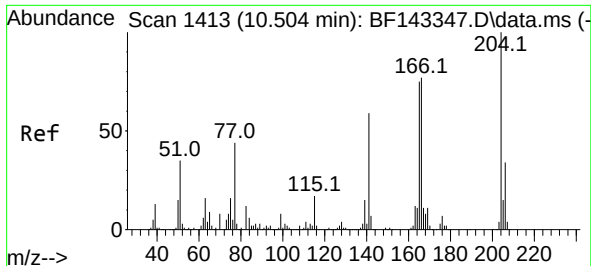
Tgt Ion:232 Resp: 132484
Ion Ratio Lower Upper
232 100
131 40.6 34.6 51.8
130 1.9 1.7 2.5
166 28.2 23.4 35.0



#60
Diethylphthalate
Concen: 38.608 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:149 Resp: 586261
Ion Ratio Lower Upper
149 100
177 23.4 18.2 27.2
150 12.7 9.9 14.9

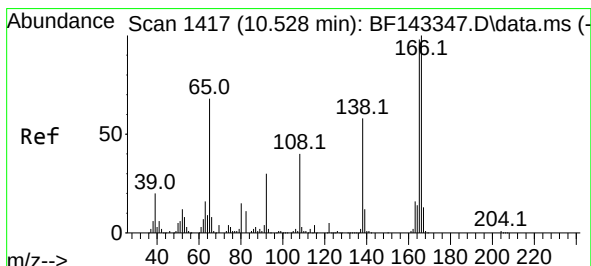
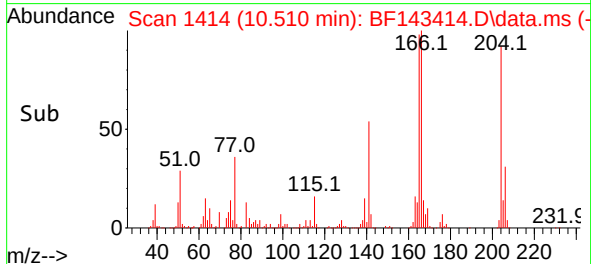
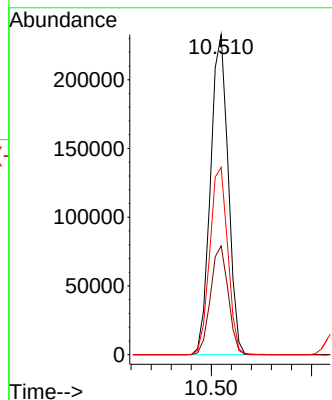
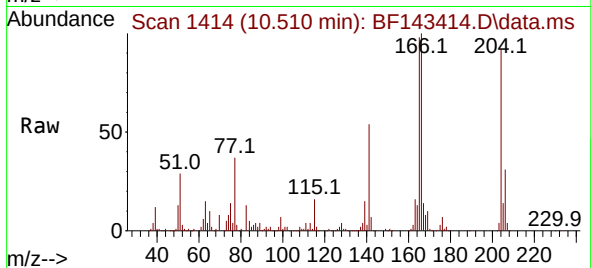




#61
4-Chlorophenyl-phenylether
Concen: 34.550 ng
RT: 10.510 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

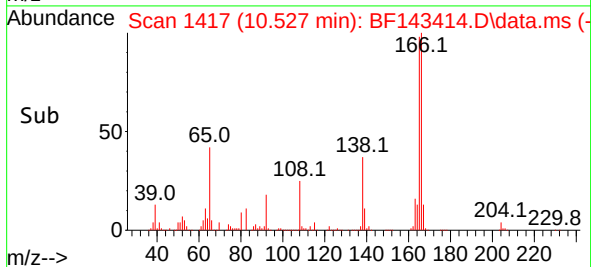
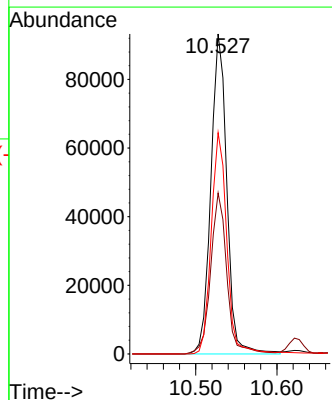
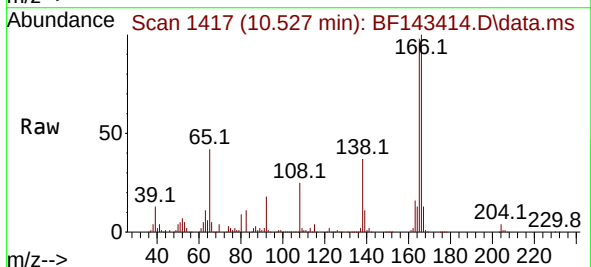
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

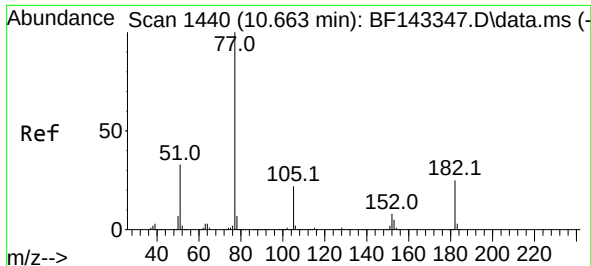
Tgt Ion:204 Resp: 284659
Ion Ratio Lower Upper
204 100
206 34.0 27.4 41.2
141 58.5 46.9 70.3



#62
4-Nitroaniline
Concen: 37.893 ng
RT: 10.527 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:138 Resp: 127282
Ion Ratio Lower Upper
138 100
92 50.3 31.2 71.2
108 69.1 48.1 88.1

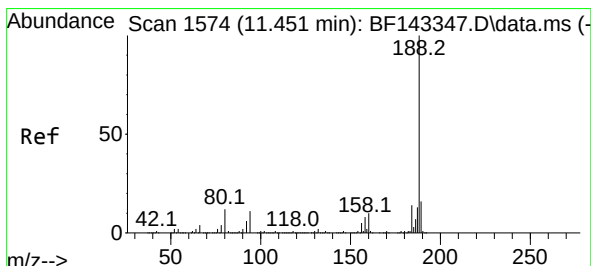
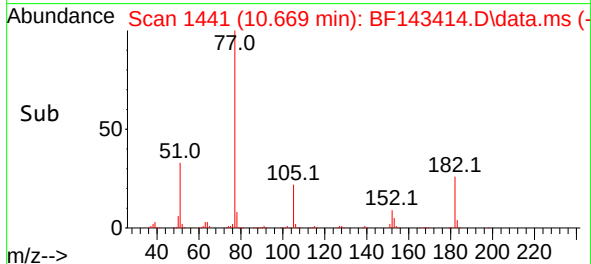
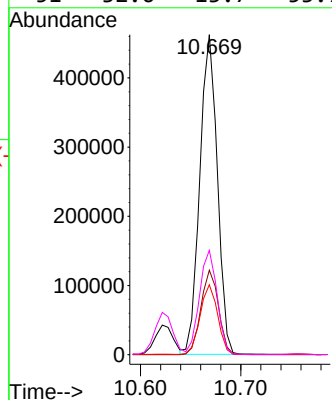
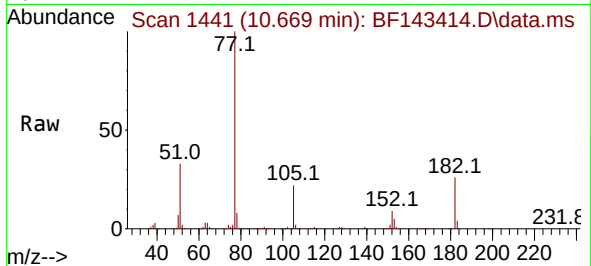




#63
Azobenzene
Concen: 32.483 ng
RT: 10.669 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

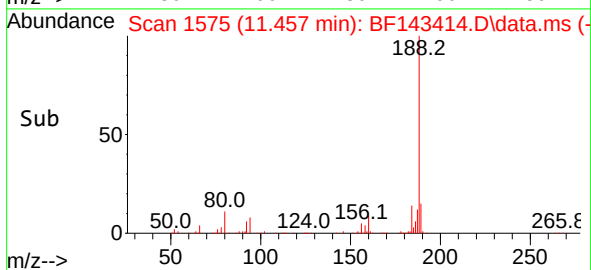
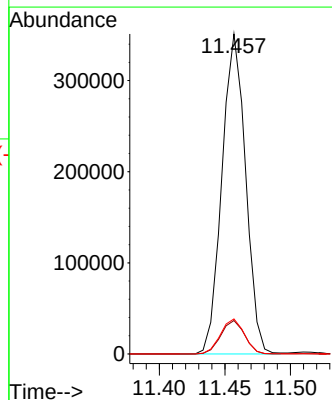
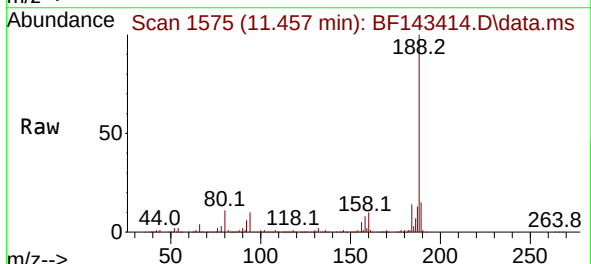
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

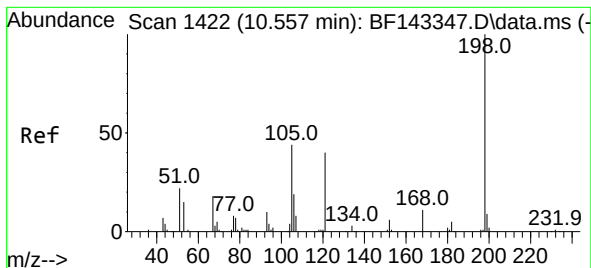
Tgt Ion: 77	Resp: 563404
Ion Ratio	Lower Upper
77 100	
182 26.4	4.4 44.4
105 21.8	1.8 41.8
51 32.6	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:188	Resp: 440724
Ion Ratio	Lower Upper
188 100	
94 10.5	8.8 13.2
80 11.0	9.7 14.5

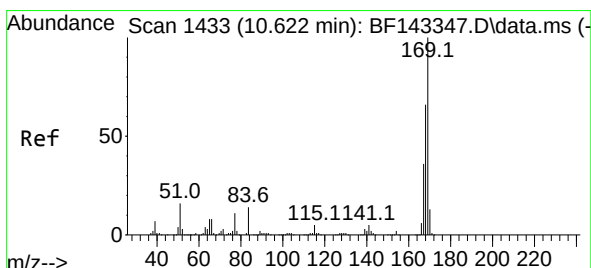
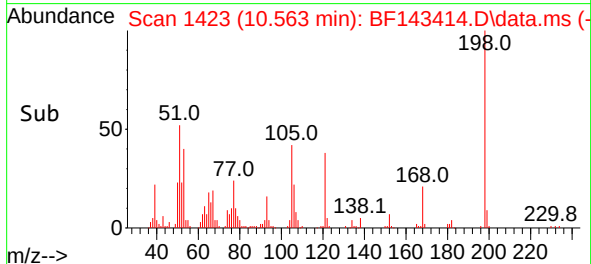
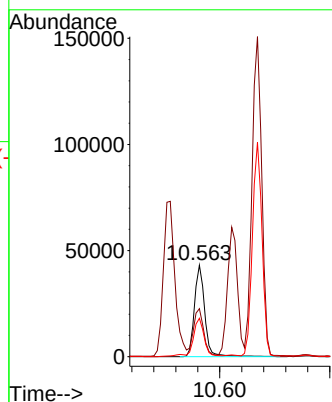
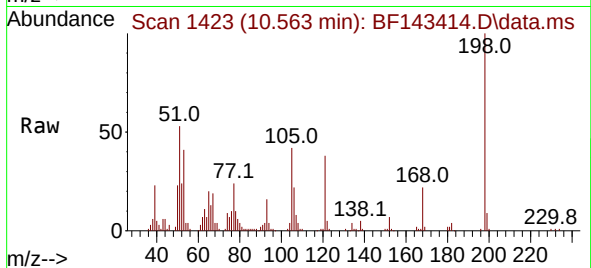




#65
4,6-Dinitro-2-methylphenol
Concen: 33.921 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

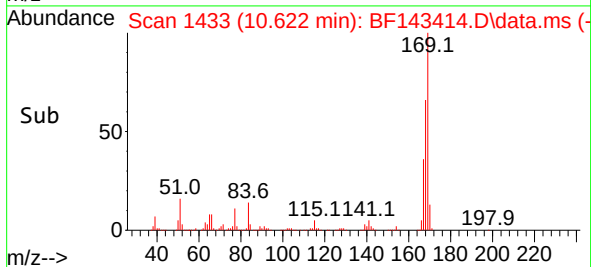
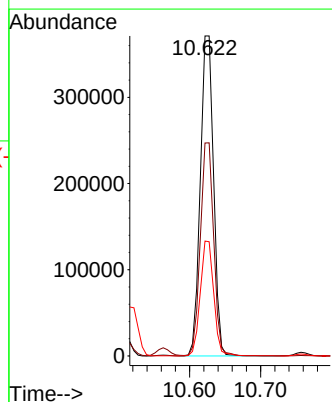
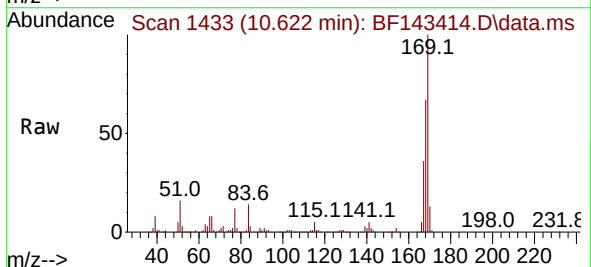
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

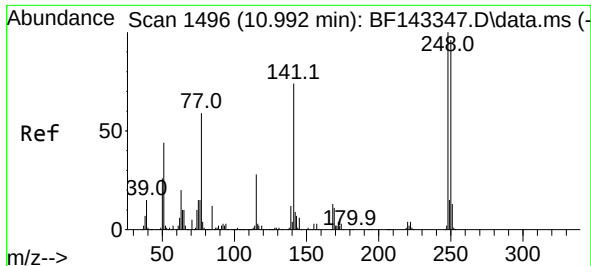
Tgt Ion:198 Resp: 56010
Ion Ratio Lower Upper
198 100
51 52.5 41.7 81.7
105 42.0 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 33.283 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:169 Resp: 483005
Ion Ratio Lower Upper
169 100
168 66.5 52.7 79.1
167 35.9 28.6 42.8

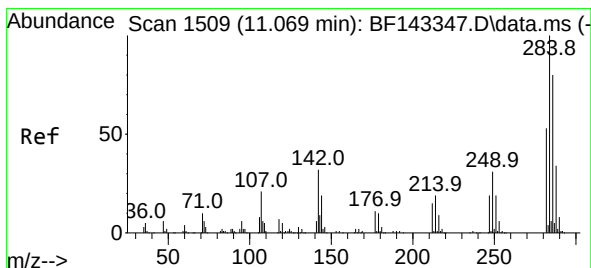
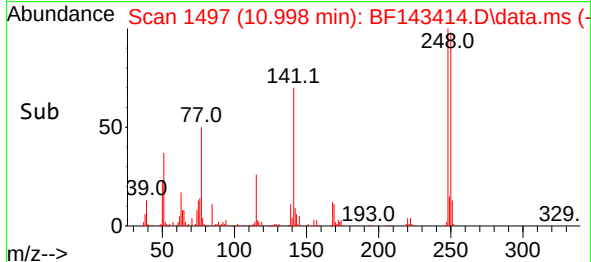
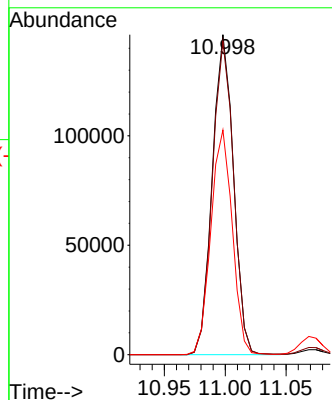
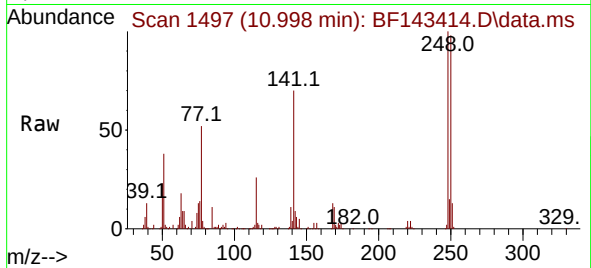




#67
4-Bromophenyl-phenylether
Concen: 35.127 ng
RT: 10.998 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

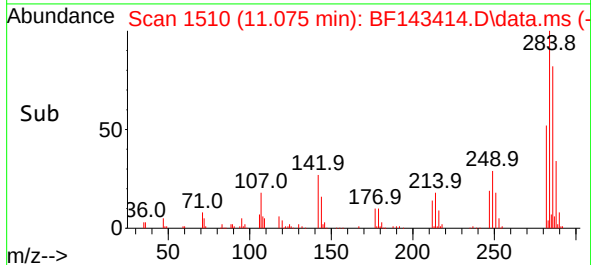
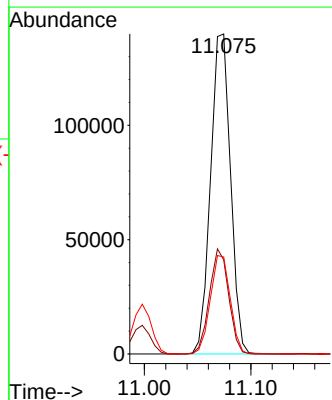
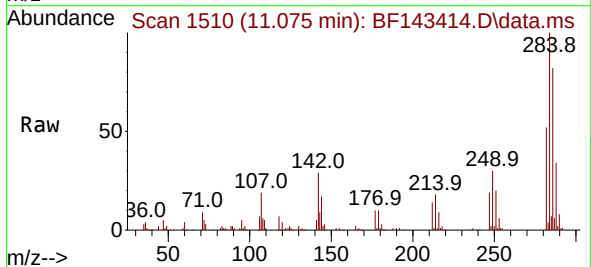
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

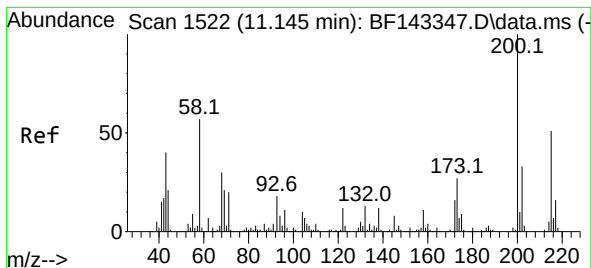
Tgt Ion:248 Resp: 177054
Ion Ratio Lower Upper
248 100
250 97.9 77.1 115.7
141 70.2 59.1 88.7



#68
Hexachlorobenzene
Concen: 33.541 ng
RT: 11.075 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:284 Resp: 182234
Ion Ratio Lower Upper
284 100
142 29.4 25.7 38.5
249 30.3 24.6 37.0





#69

Atrazine

Concen: 42.966 ng

RT: 11.151 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

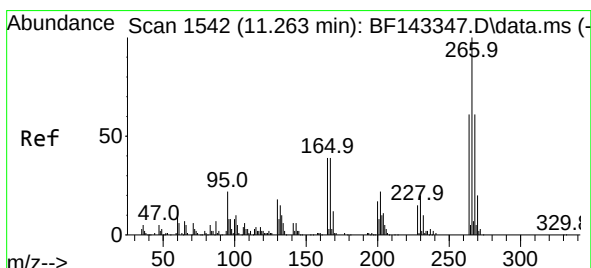
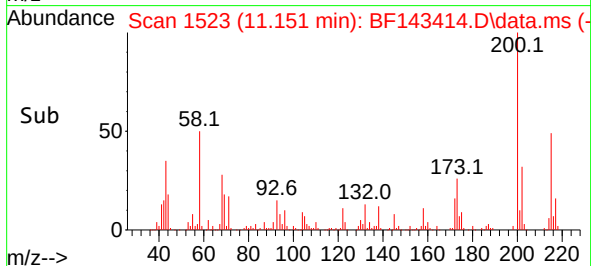
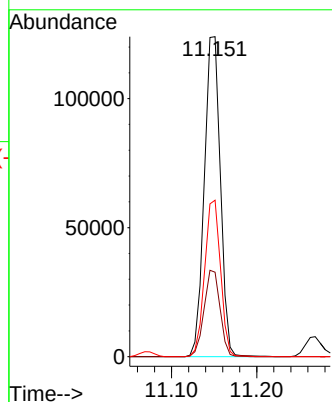
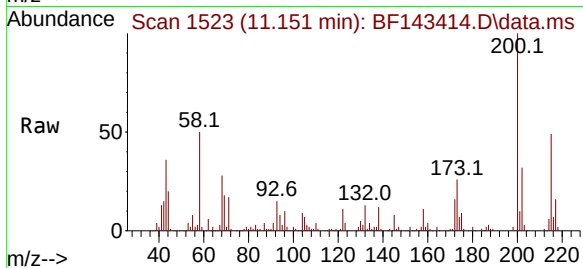
Tgt Ion:200 Resp: 162627

Ion Ratio Lower Upper

200 100

173 26.4 6.6 46.6

215 48.9 30.6 70.6



#70

Pentachlorophenol

Concen: 31.527 ng

RT: 11.269 min Scan# 1543

Delta R.T. 0.006 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

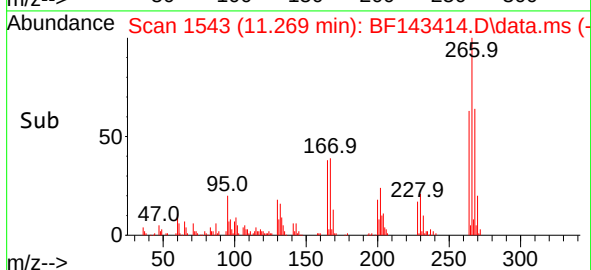
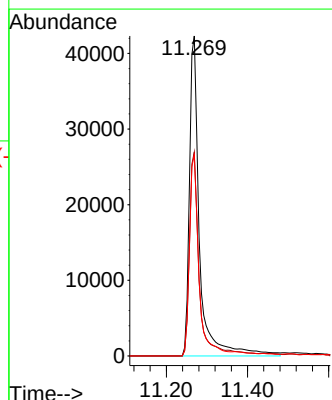
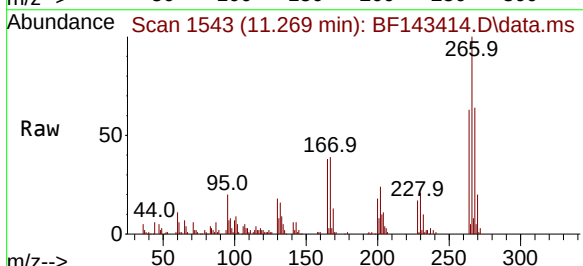
Tgt Ion:266 Resp: 73538

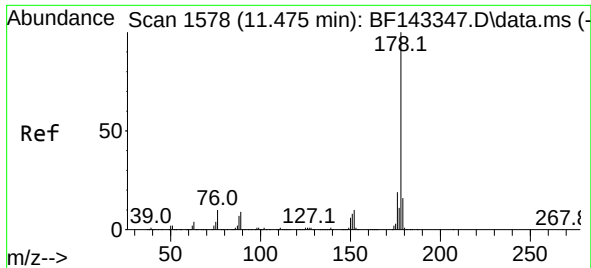
Ion Ratio Lower Upper

266 100

268 63.7 48.8 73.2

264 62.9 48.8 73.2

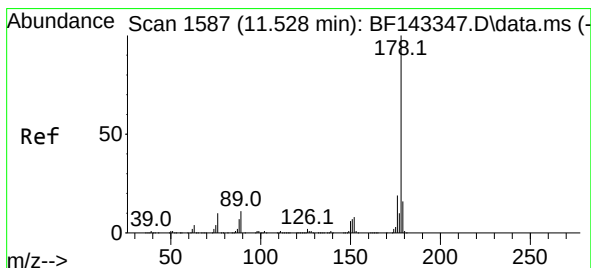
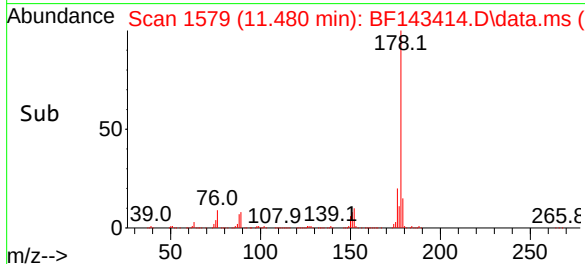
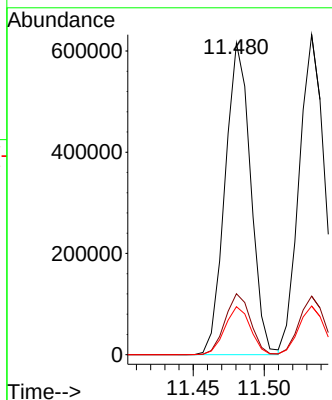
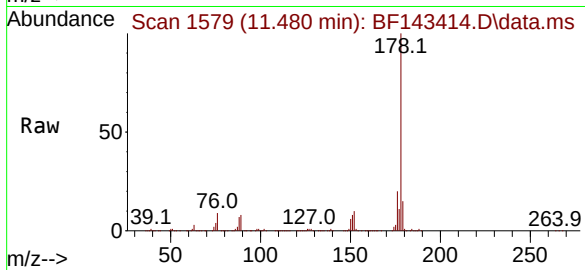




#71
Phenanthrene
Concen: 32.064 ng
RT: 11.480 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

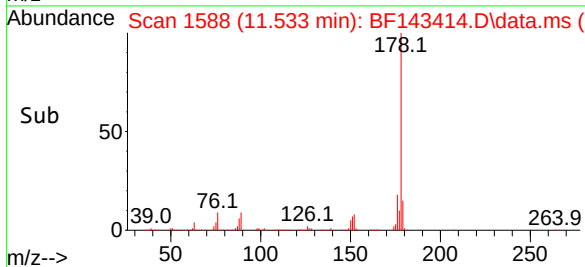
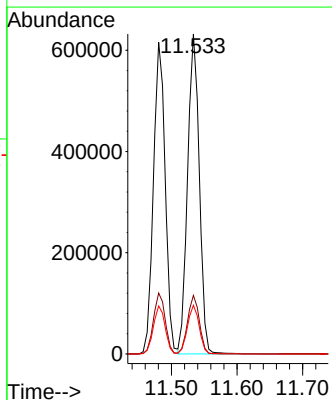
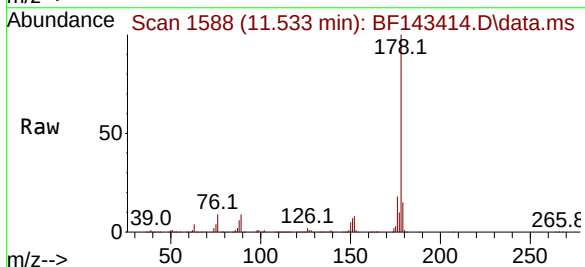
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

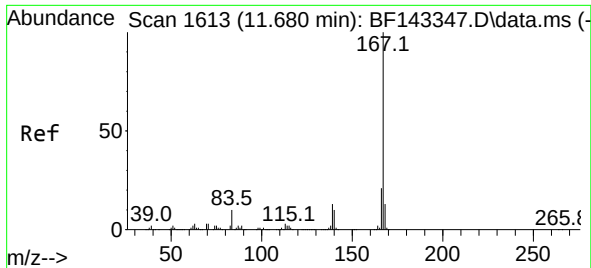
Tgt Ion:178 Resp: 770997
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.4 12.5 18.7



#72
Anthracene
Concen: 32.187 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

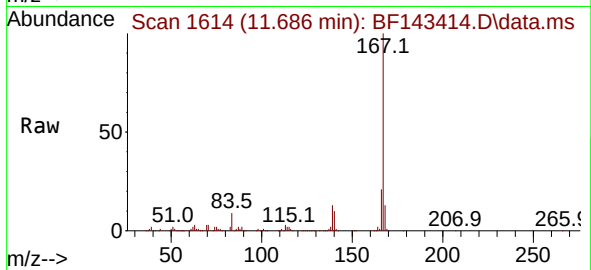
Tgt Ion:178 Resp: 784923
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 15.2 12.7 19.1



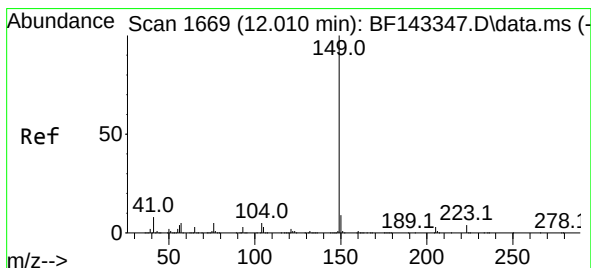
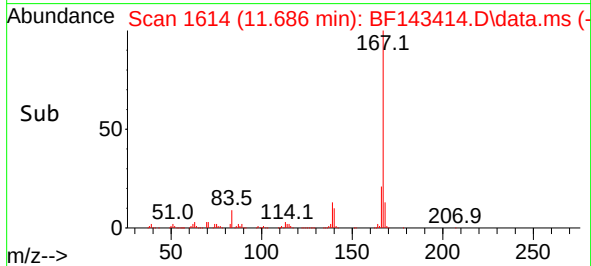
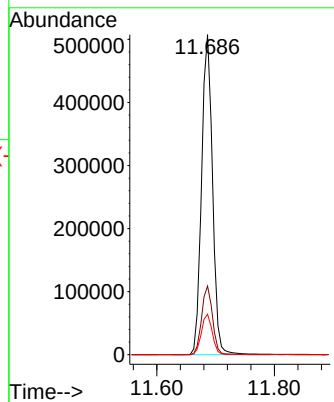


#73
Carbazole
Concen: 31.538 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

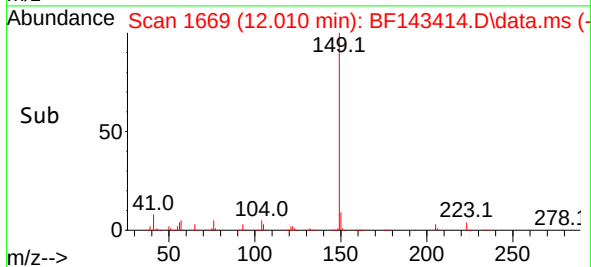
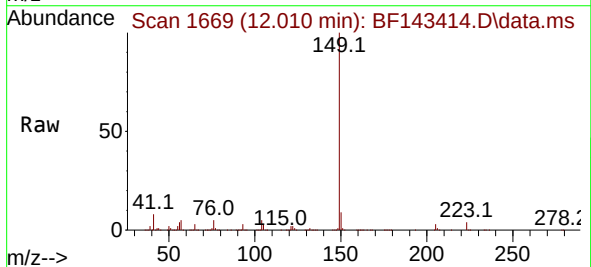
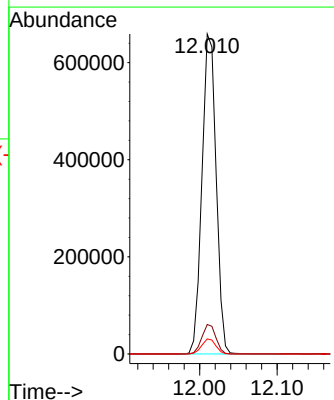


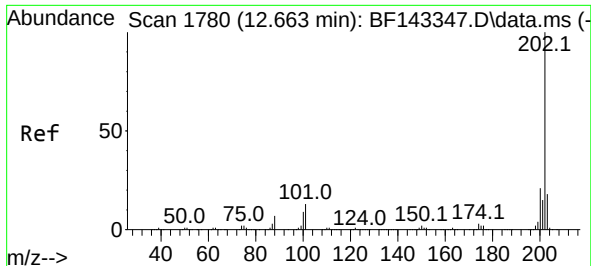
Tgt Ion:167 Resp: 654998
Ion Ratio Lower Upper
167 100
166 21.5 16.8 25.2
139 12.6 10.2 15.2



#74
Di-n-butylphthalate
Concen: 47.674 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

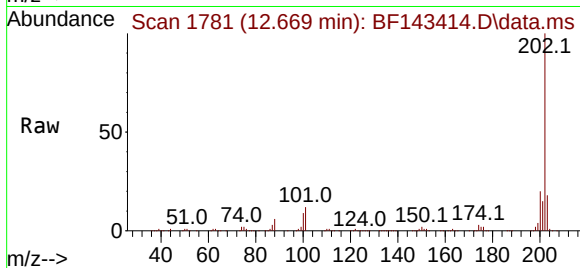
Tgt Ion:149 Resp: 837836
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 4.7 3.8 5.8



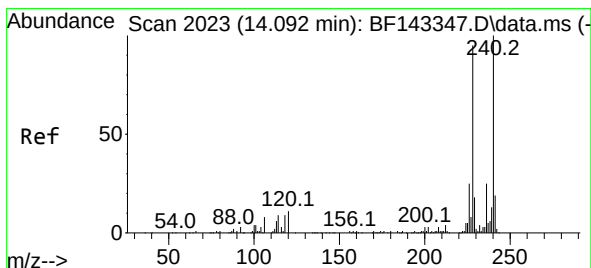
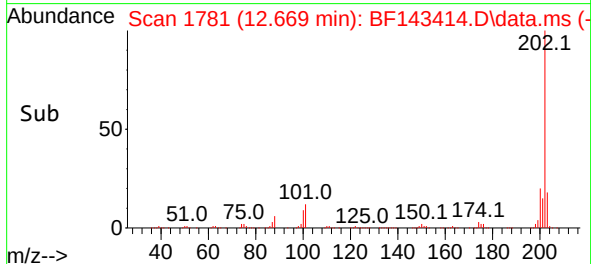
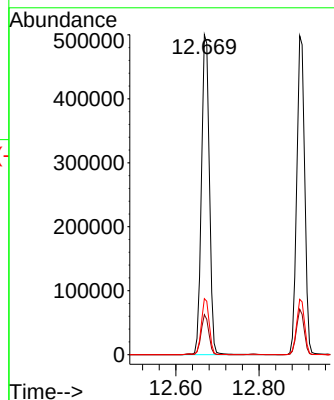


#75
Fluoranthene
Concen: 31.484 ng
RT: 12.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

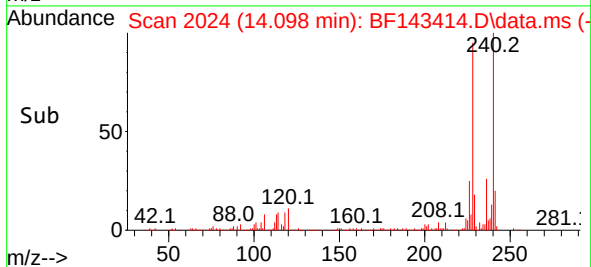
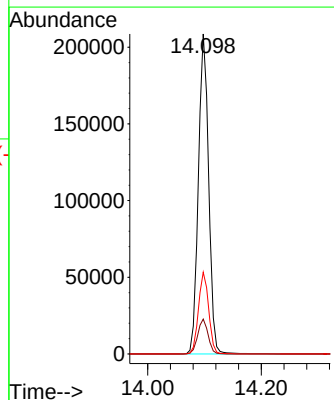
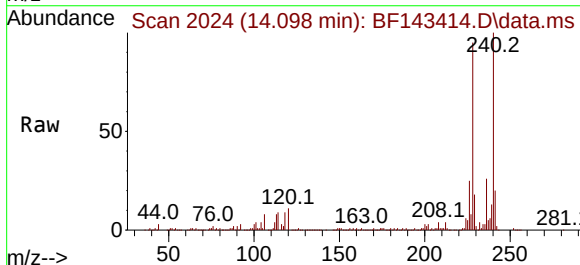


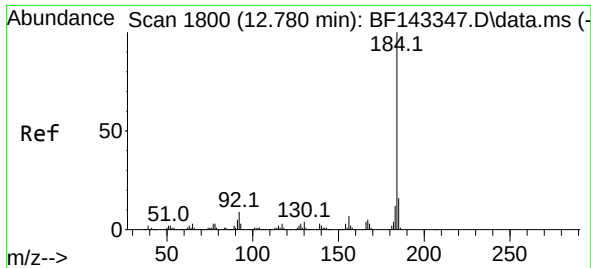
Tgt Ion:202 Resp: 663149
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:240 Resp: 263251
Ion Ratio Lower Upper
240 100
120 10.9 9.0 13.6
236 25.5 19.9 29.9

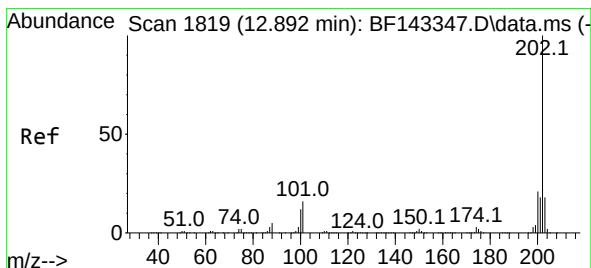
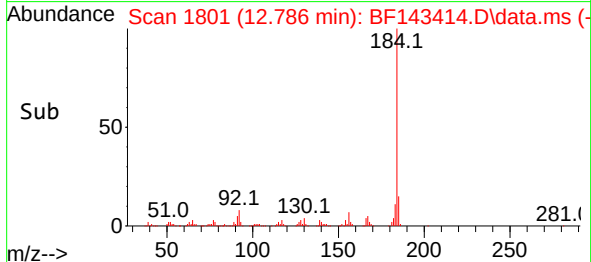
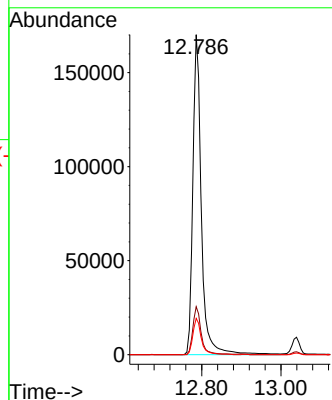
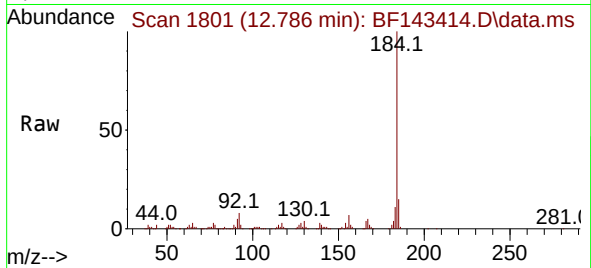




#77
Benzidine
Concen: 35.412 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

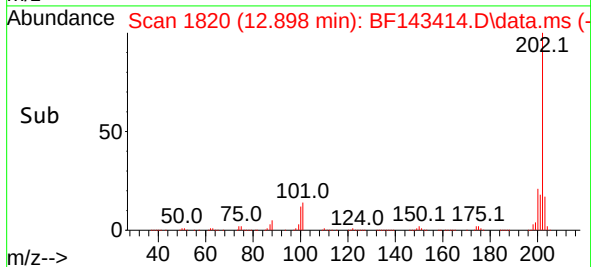
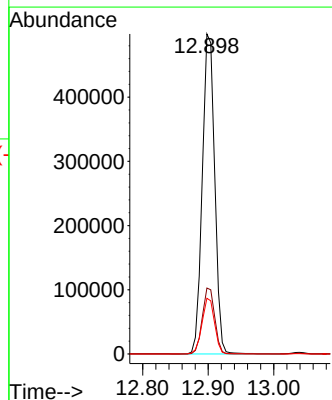
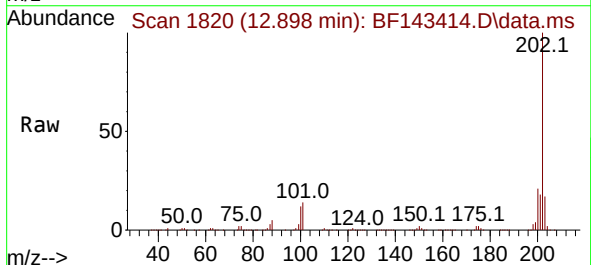
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

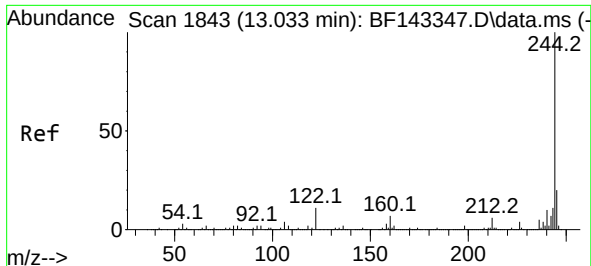
Tgt Ion:184 Resp: 254862
Ion Ratio Lower Upper
184 100
185 15.0 12.8 19.2
183 11.4 9.3 13.9



#78
Pyrene
Concen: 29.850 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:202 Resp: 659217
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 17.4 14.2 21.4

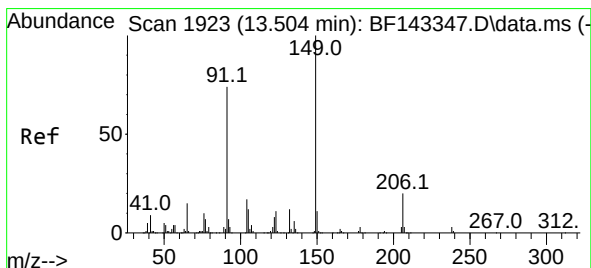
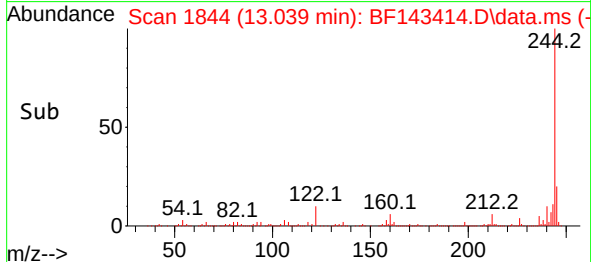
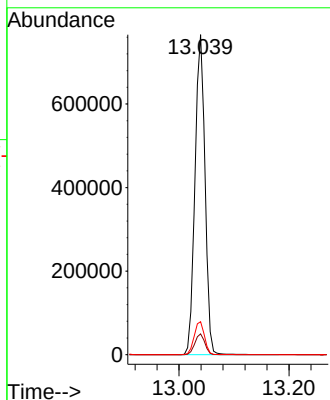
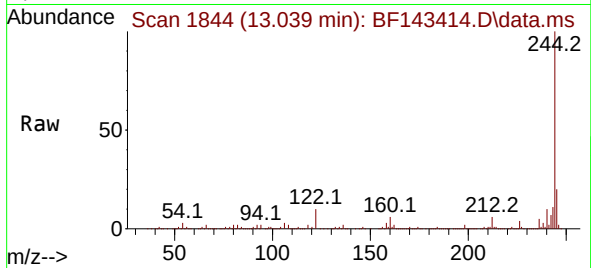




#79
 Terphenyl-d14
 Concen: 65.816 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143414.D
 Acq: 15 Aug 2025 12:45

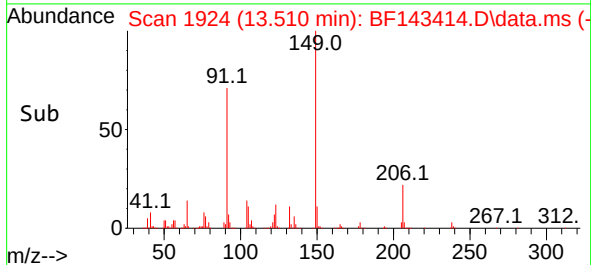
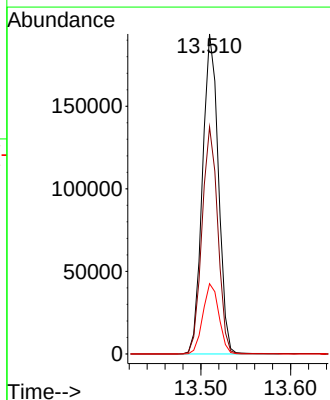
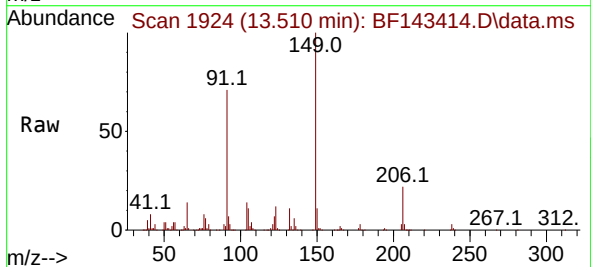
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

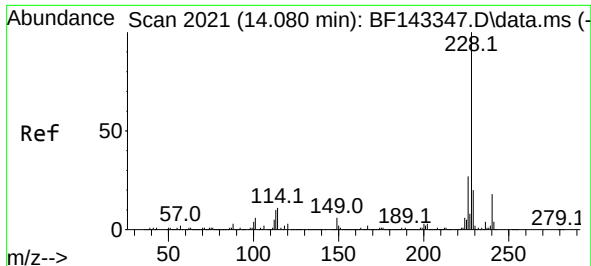
Tgt Ion:244 Resp: 970470
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 10.3 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 54.249 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BF143414.D
 Acq: 15 Aug 2025 12:45

Tgt Ion:149 Resp: 238799
 Ion Ratio Lower Upper
 149 100
 91 70.9 58.8 88.2
 206 21.9 16.4 24.6

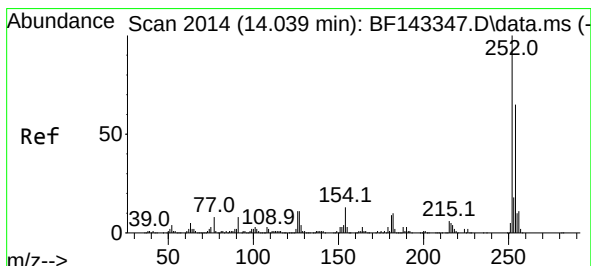
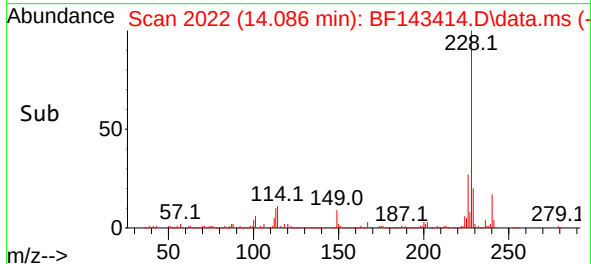
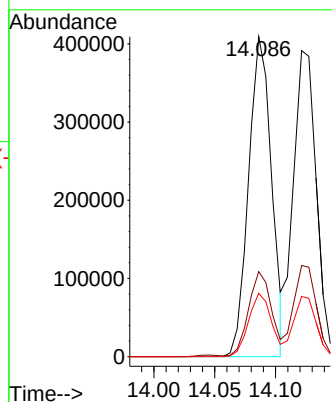
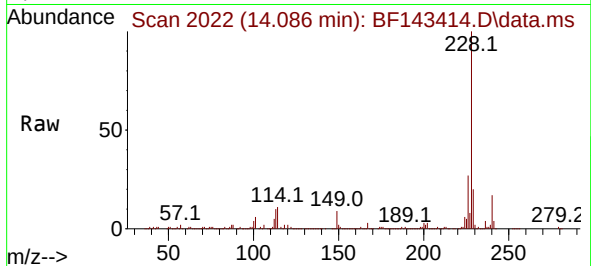




#81
Benzo(a)anthracene
Concen: 32.070 ng
RT: 14.086 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

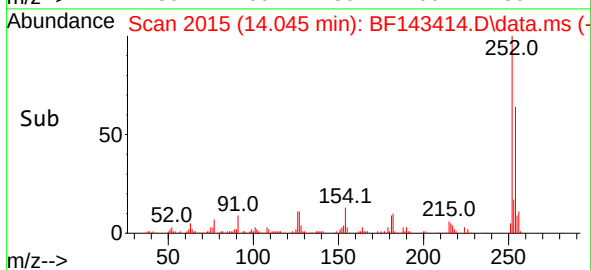
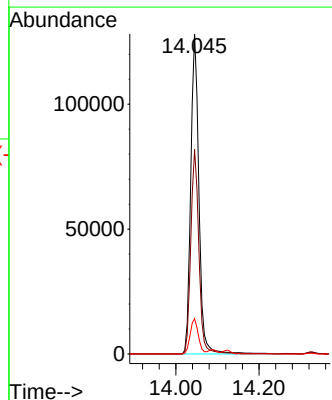
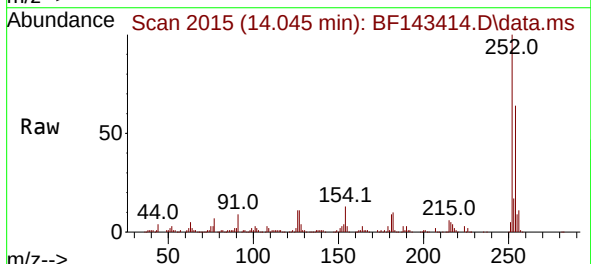
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

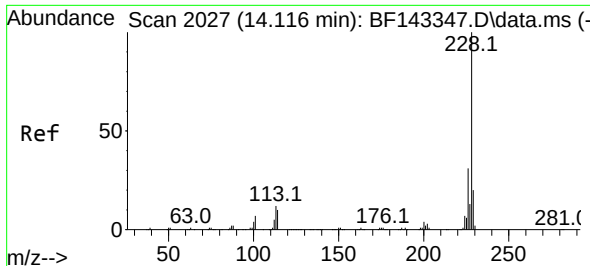
Tgt Ion:228 Resp: 536603
Ion Ratio Lower Upper
228 100
226 26.6 22.0 33.0
229 19.8 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 38.596 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:252 Resp: 174378
Ion Ratio Lower Upper
252 100
254 63.9 51.7 77.5
126 11.0 9.2 13.8

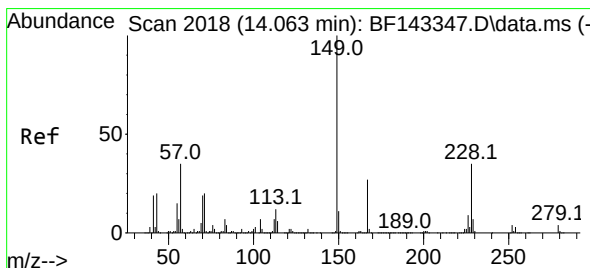
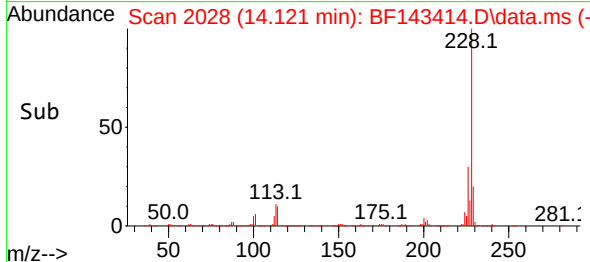
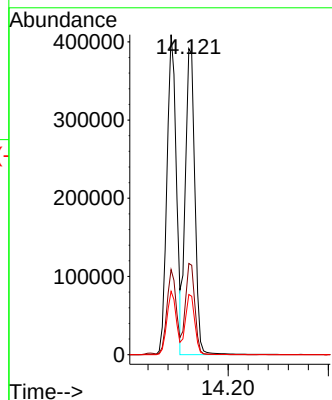
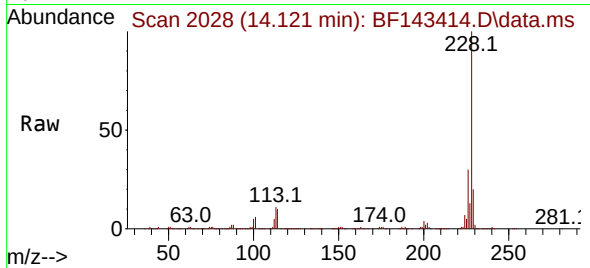




#83
Chrysene
Concen: 33.206 ng
RT: 14.121 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

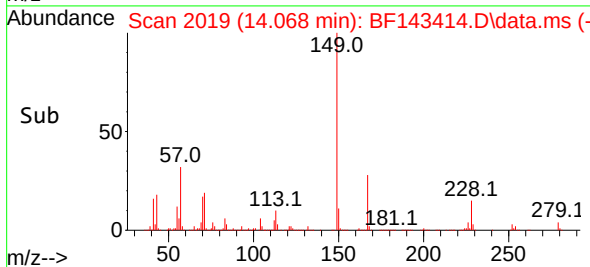
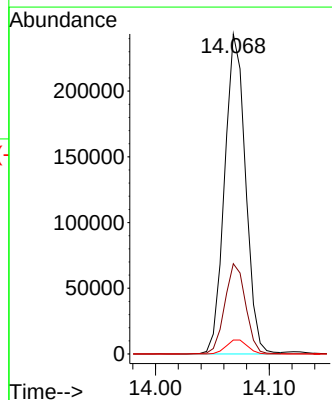
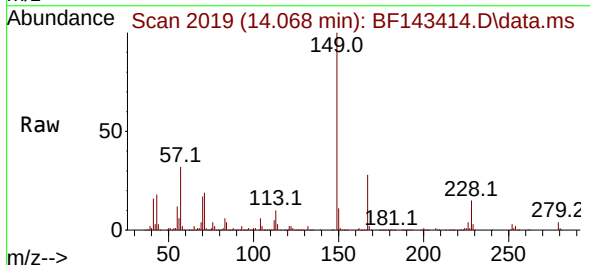
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

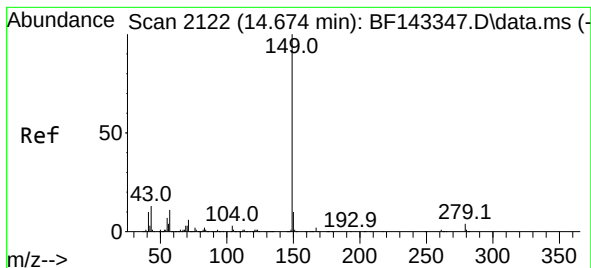
Tgt Ion:228 Resp: 518068
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.2
229 19.7 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 48.477 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.005 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:149 Resp: 311459
Ion Ratio Lower Upper
149 100
167 28.2 21.4 32.0
279 4.3 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 43.223 ng

RT: 14.686 min Scan# 2122

Delta R.T. 0.012 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

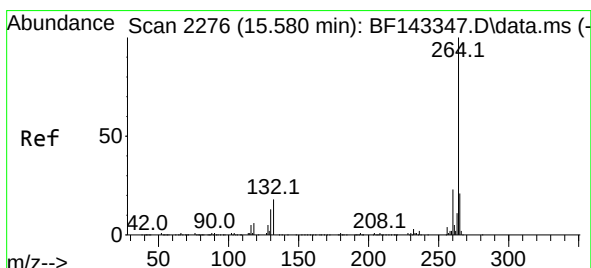
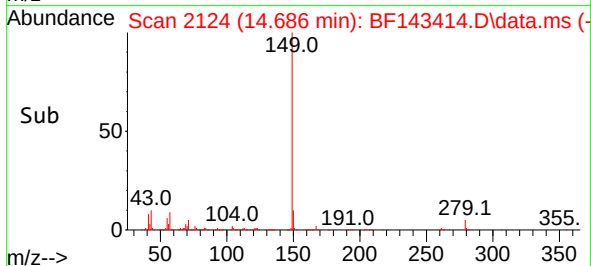
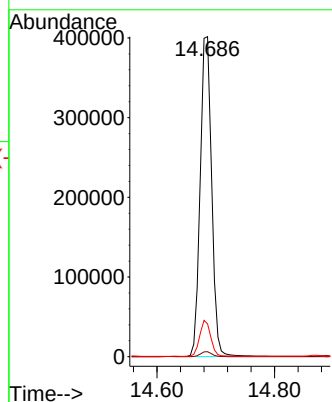
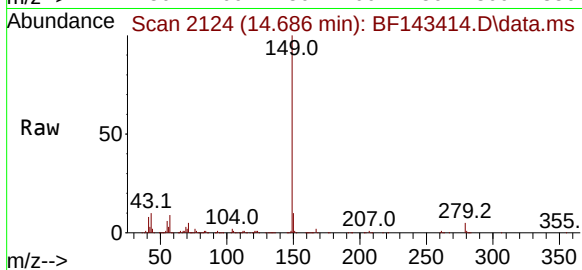
Tgt Ion:149 Resp: 543645

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.8 10.8 16.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF143414.D

Acq: 15 Aug 2025 12:45

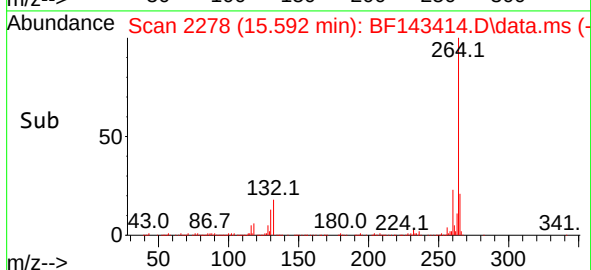
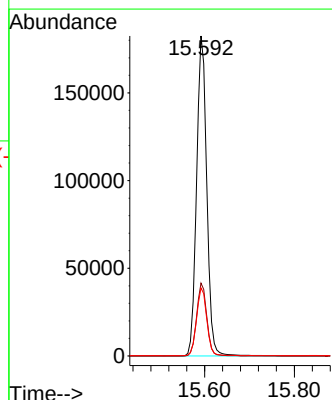
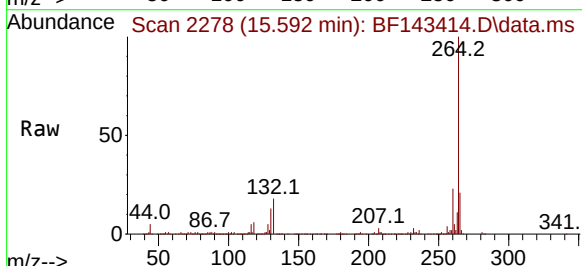
Tgt Ion:264 Resp: 287708

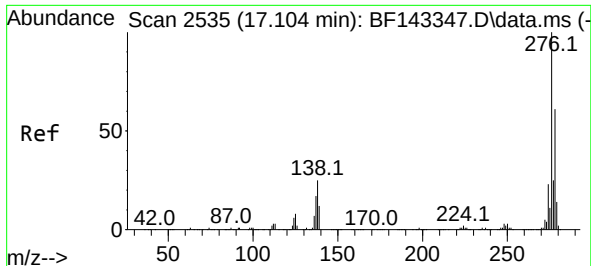
Ion Ratio Lower Upper

264 100

260 22.7 18.7 28.1

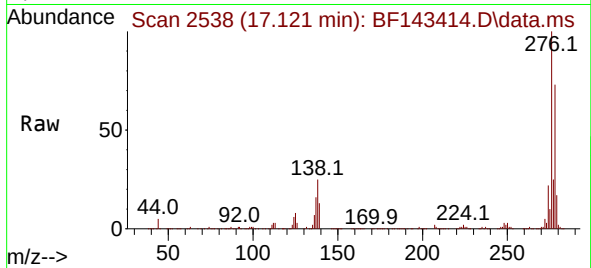
265 21.2 17.2 25.8



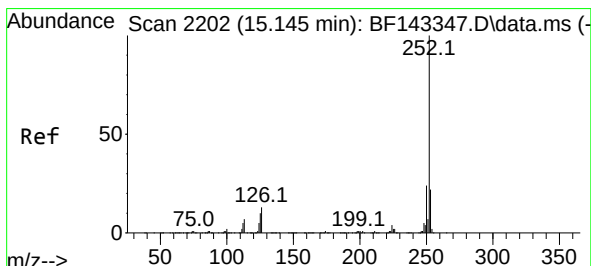
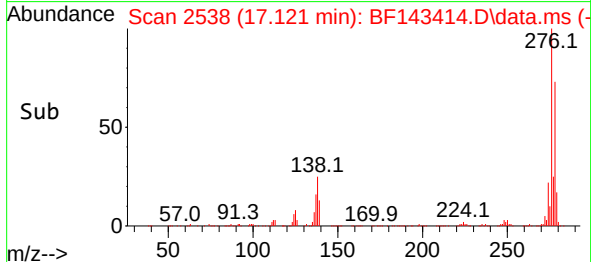
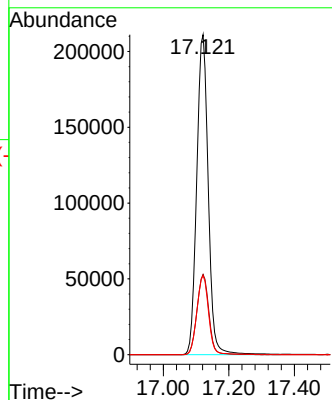


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 25.053 ng
 RT: 17.121 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF143414.D
 Acq: 15 Aug 2025 12:45

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

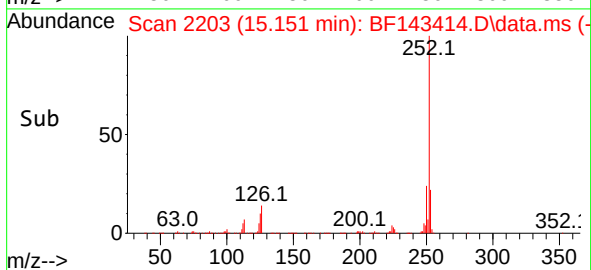
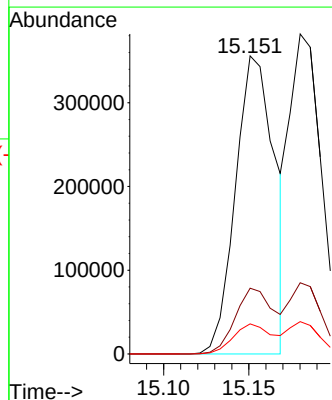
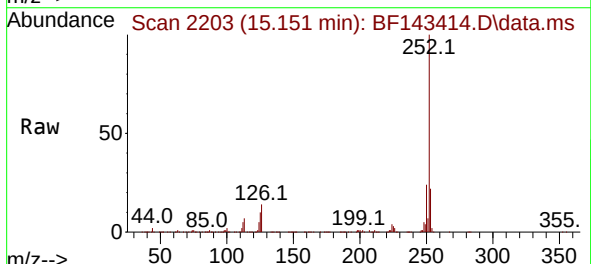


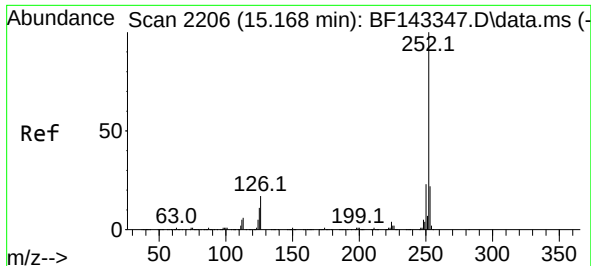
Tgt Ion:	276	Resp:	516402
Ion Ratio	Lower	Upper	
276	100		
138	25.8	21.1	31.7
277	25.0	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 36.155 ng
 RT: 15.151 min Scan# 2203
 Delta R.T. 0.006 min
 Lab File: BF143414.D
 Acq: 15 Aug 2025 12:45

Tgt Ion:	252	Resp:	568955
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.8
125	10.1	7.8	11.6

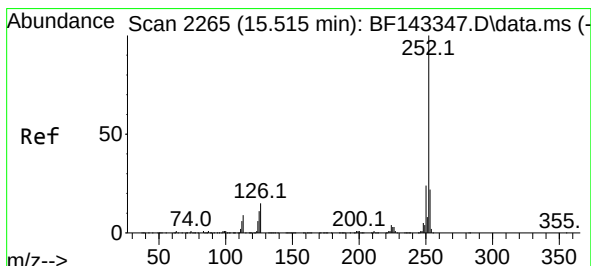
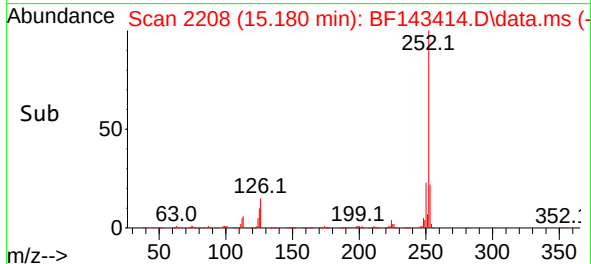
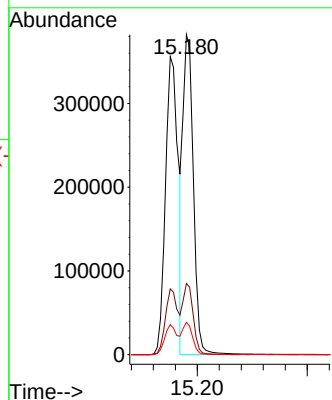
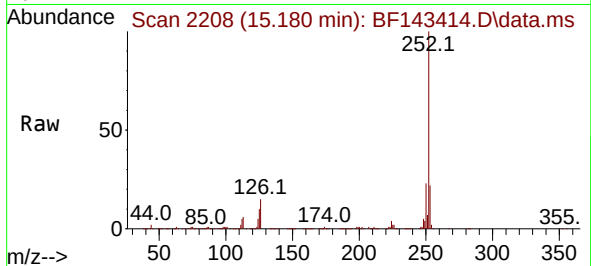




#89
Benzo(k)fluoranthene
Concen: 33.108 ng
RT: 15.180 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

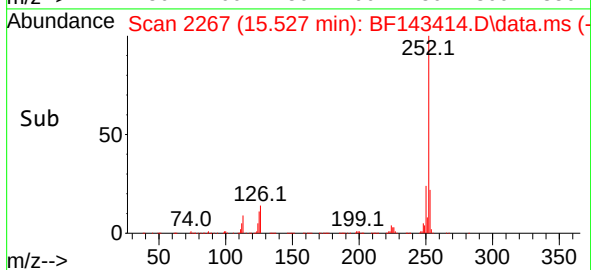
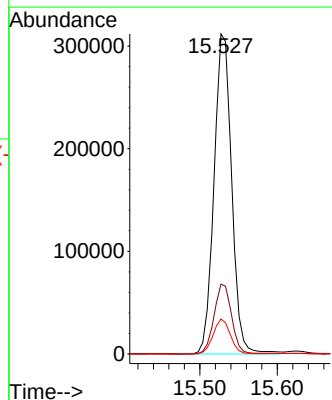
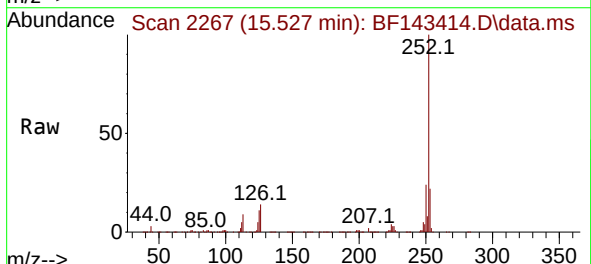
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

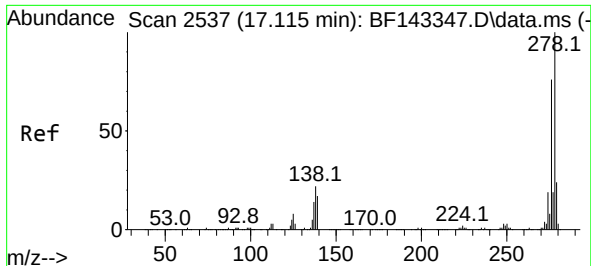
Tgt Ion:252 Resp: 506257
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 10.1 8.4 12.6



#90
Benzo(a)pyrene
Concen: 33.357 ng
RT: 15.527 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:252 Resp: 494384
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 10.9 9.1 13.7

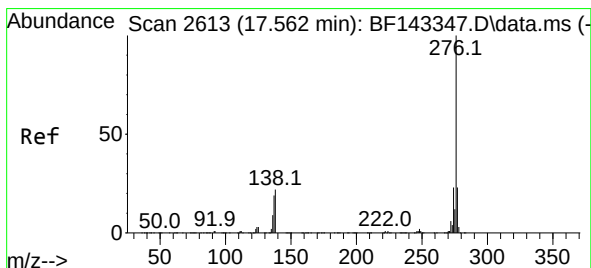
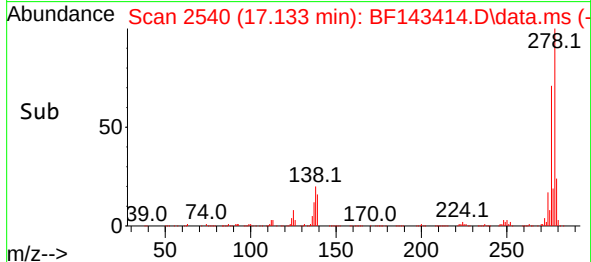
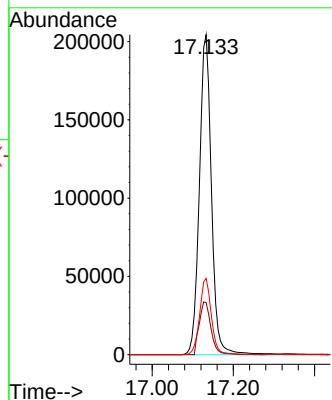
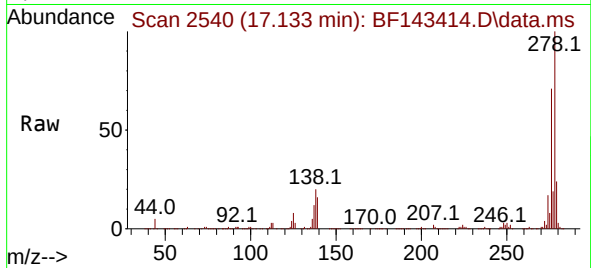




#91
Dibenzo(a,h)anthracene
Concen: 25.756 ng
RT: 17.133 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

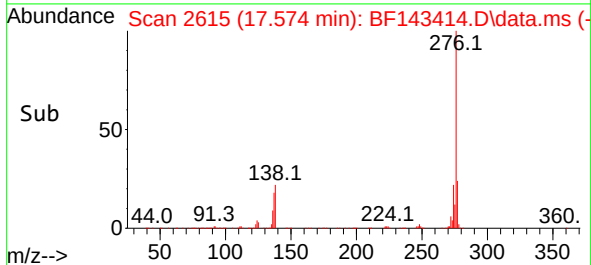
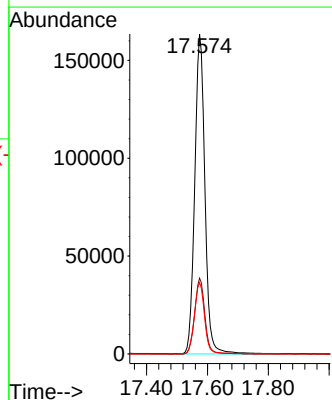
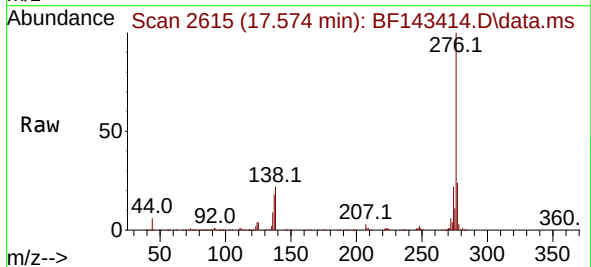
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 424135
Ion Ratio Lower Upper
278 100
139 16.3 14.0 21.0
279 23.9 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 22.931 ng
RT: 17.574 min Scan# 2615
Delta R.T. 0.012 min
Lab File: BF143414.D
Acq: 15 Aug 2025 12:45

Tgt Ion:276 Resp: 380387
Ion Ratio Lower Upper
276 100
277 23.7 18.7 28.1
138 22.3 17.8 26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025393.D
 Acq On : 14 Aug 2025 13:15
 Operator : CG/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Quant Time: Aug 14 17:52:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	130958	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	551384	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	392376	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	816331	20.000	ng	0.00
76) Chrysene-d12	21.654	240	858165	20.000	ng	0.00
86) Perylene-d12	25.036	264	963881	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	80645	10.227	ng	0.00
7) Phenol-d6	6.966	99	97106	9.605	ng	0.00
23) Nitrobenzene-d5	8.931	82	108814	9.983	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	52188	9.881	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	305742	10.649	ng	0.00
79) Terphenyl-d14	19.925	244	536049	11.428	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	17016	5.509	ng	95
3) Pyridine	3.731	79	47347	5.600	ng	95
4) n-Nitrosodimethylamine	3.637	42	17697	5.077	ng	# 93
6) Aniline	7.119	93	68694	5.043	ng	100
8) 2-Chlorophenol	7.366	128	44217	4.969	ng	98
9) Benzaldehyde	6.943	77	35338	4.989	ng	99
10) Phenol	6.990	94	52186	4.919	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	41995	5.079	ng	98
12) 1,3-Dichlorobenzene	7.684	146	50146	5.111	ng	96
13) 1,4-Dichlorobenzene	7.825	146	51948	5.180	ng	97
14) 1,2-Dichlorobenzene	8.143	146	50995	5.253	ng	96
15) Benzyl Alcohol	8.025	79	37874	4.715	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	57686	5.208	ng	98
17) 2-Methylphenol	8.225	107	35186	4.776	ng	96
18) Hexachloroethane	8.866	117	18905	5.127	ng	99
19) n-Nitroso-di-n-propyla...	8.584	70	34898	5.205	ng	95
20) 3+4-Methylphenols	8.549	107	48056	4.705	ng	97
22) Acetophenone	8.602	105	70986	5.134	ng	# 96
24) Nitrobenzene	8.972	77	48234	4.951	ng	99
25) Isophorone	9.496	82	101112	5.242	ng	98
26) 2-Nitrophenol	9.678	139	23020	4.605	ng	95
27) 2,4-Dimethylphenol	9.737	122	41790	4.861	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	61017	5.233	ng	98
29) 2,4-Dichlorophenol	10.213	162	40336	4.723	ng	94
30) 1,2,4-Trichlorobenzene	10.425	180	49237	5.259	ng	97
31) Naphthalene	10.613	128	147346	5.141	ng	99
32) Benzoic acid	9.807	122	17656	2.788	ng	84
33) 4-Chloroaniline	10.713	127	62452	4.933	ng	96
34) Hexachlorobutadiene	10.902	225	30559	5.241	ng	95
35) Caprolactam	11.466	113	16890	5.393	ng	# 84
36) 4-Chloro-3-methylphenol	11.837	107	50515	5.154	ng	91
37) 2-Methylnaphthalene	12.219	142	98648	5.289	ng	97
38) 1-Methylnaphthalene	12.437	142	107044	5.397	ng	97
40) 1,2,4,5-Tetrachloroben...	12.590	216	56676	5.001	ng	100
41) Hexachlorocyclopentadiene	12.572	237	25243	3.688	ng	97
43) 2,4,6-Trichlorophenol	12.831	196	36093	4.718	ng	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025393.D
 Acq On : 14 Aug 2025 13:15
 Operator : CG/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Quant Time: Aug 14 17:52:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

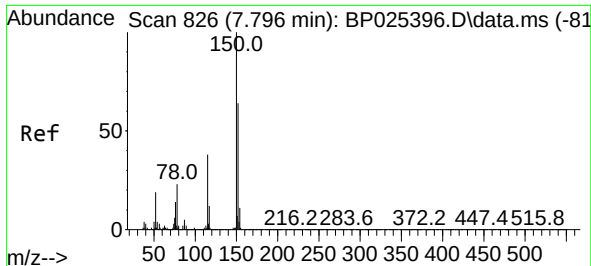
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	40875	4.875	ng	95
46) 1,1'-Biphenyl	13.237	154	146651	5.146	ng	98
47) 2-Chloronaphthalene	13.272	162	113015	5.094	ng	99
48) 2-Nitroaniline	13.466	65	29527	4.568	ng	98
49) Acenaphthylene	14.125	152	187026	5.095	ng	99
50) Dimethylphthalate	13.860	163	153868	5.355	ng	99
51) 2,6-Dinitrotoluene	13.966	165	29088	4.803	ng	94
52) Acenaphthene	14.472	154	117653	5.460	ng	97
53) 3-Nitroaniline	14.301	138	31224	4.583	ng	85
54) 2,4-Dinitrophenol	14.513	184	10441	3.228	ng #	87
55) Dibenzofuran	14.813	168	178494	5.240	ng	99
56) 4-Nitrophenol	14.625	139	24517	4.379	ng	96
57) 2,4-Dinitrotoluene	14.760	165	39658	4.590	ng	94
58) Fluorene	15.472	166	147760	5.497	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.037	232	36779	4.968	ng	99
60) Diethylphthalate	15.237	149	158426	5.426	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	74636	5.583	ng	99
62) 4-Nitroaniline	15.478	138	33466	4.791	ng	90
63) Azobenzene	15.760	77	128978	5.159	ng	99
65) 4,6-Dinitro-2-methylph...	15.543	198	19069	3.747	ng	92
66) n-Nitrosodiphenylamine	15.678	169	129805	5.214	ng	97
67) 4-Bromophenyl-phenylether	16.378	248	47579	5.299	ng	98
68) Hexachlorobenzene	16.501	284	53940	5.183	ng	98
69) Atrazine	16.648	200	46750	5.015	ng	96
70) Pentachlorophenol	16.854	266	29650	4.513	ng	96
71) Phenanthrene	17.248	178	237107	5.287	ng	98
72) Anthracene	17.342	178	236938	5.174	ng	99
73) Carbazole	17.619	167	220112	5.103	ng	98
74) Di-n-butylphthalate	18.231	149	274467	5.172	ng	99
75) Fluoranthene	19.336	202	279497	5.225	ng	99
77) Benzidine	19.525	184	123915	4.231	ng	99
78) Pyrene	19.713	202	299922	5.377	ng	98
80) Butylbenzylphthalate	20.654	149	126321	4.997	ng	99
81) Benzo(a)anthracene	21.636	228	296847	5.245	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	106858	5.009	ng	99
83) Chrysene	21.701	228	277175	5.229	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	194541	5.228	ng	97
85) Di-n-octyl phthalate	22.877	149	313503	4.898	ng	99
87) Indeno(1,2,3-cd)pyrene	28.865	276	350414	4.956	ng	98
88) Benzo(b)fluoranthene	23.960	252	289797	5.099	ng	99
89) Benzo(k)fluoranthene	24.042	252	289556	5.091	ng	98
90) Benzo(a)pyrene	24.877	252	274440	4.960	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	284440	4.924	ng	100
92) Benzo(g,h,i)perylene	30.036	276	279987	4.931	ng	97

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

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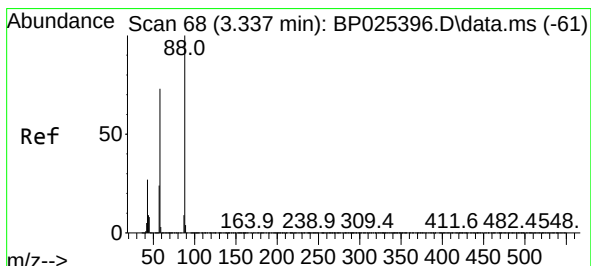
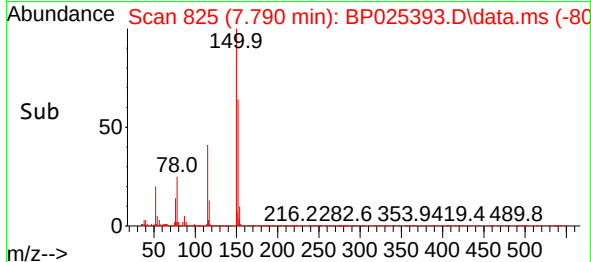
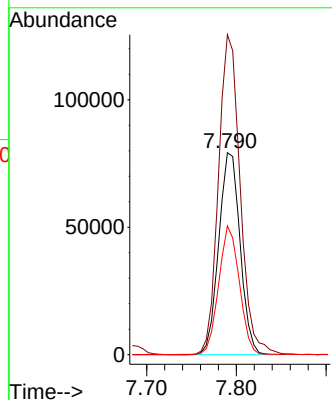
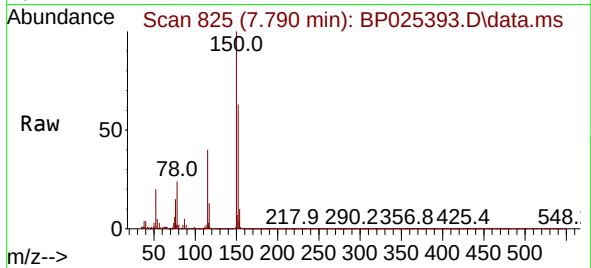




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025393.D
 Acq: 14 Aug 2025 13:15

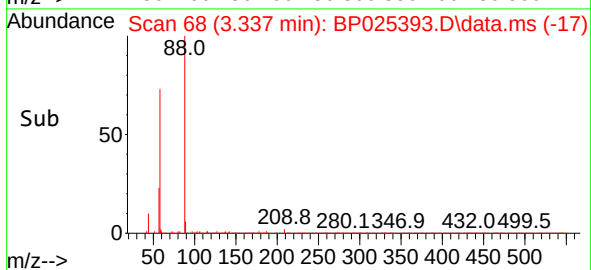
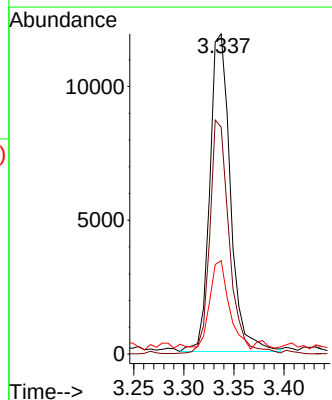
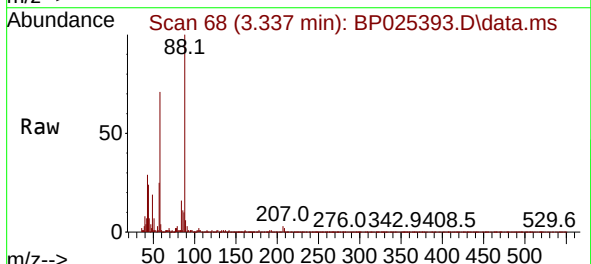
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

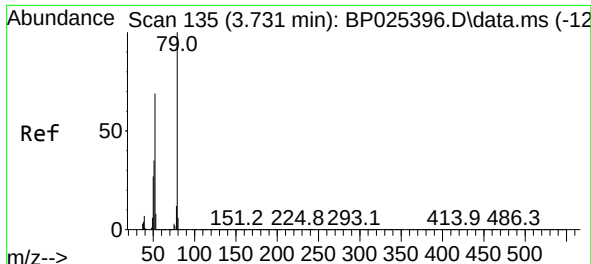
Tgt Ion:152 Resp: 130958
 Ion Ratio Lower Upper
 152 100
 150 158.5 125.9 188.9
 115 63.8 48.5 72.7



#2
 1,4-Dioxane
 Concen: 5.509 ng
 RT: 3.337 min Scan# 68
 Delta R.T. 0.000 min
 Lab File: BP025393.D
 Acq: 14 Aug 2025 13:15

Tgt Ion: 88 Resp: 17016
 Ion Ratio Lower Upper
 88 100
 58 69.1 59.2 88.8
 43 26.1 21.7 32.5

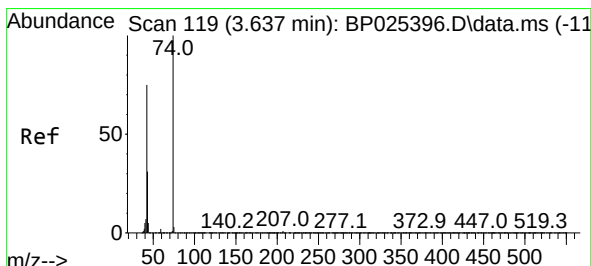
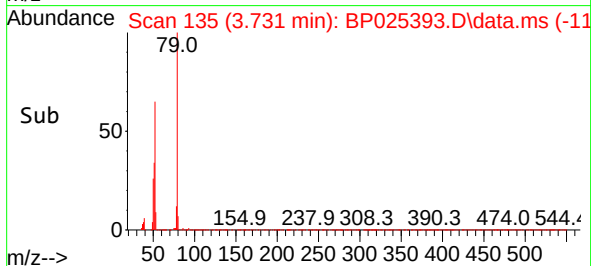
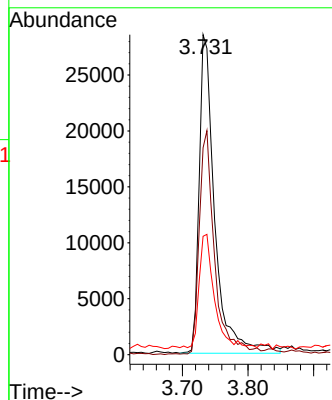
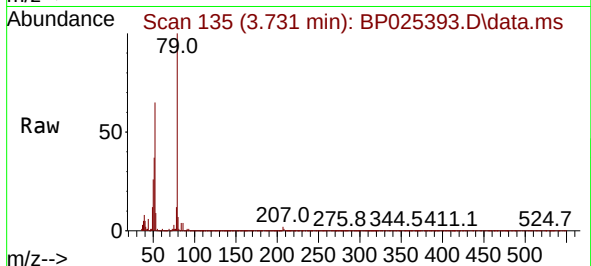




#3
Pyridine
Concen: 5.600 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

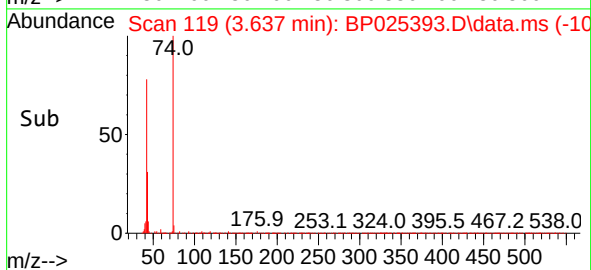
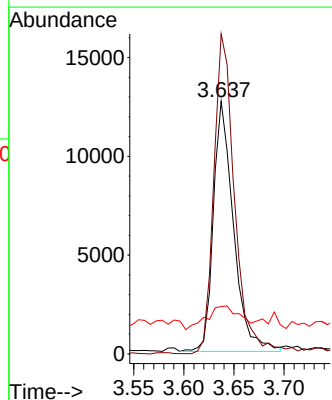
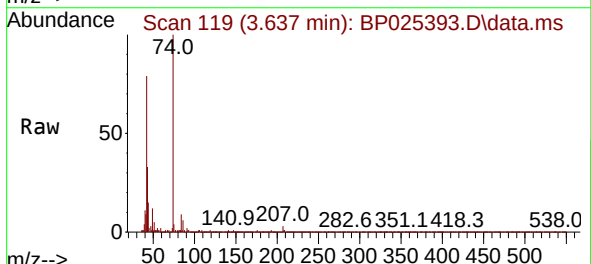
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

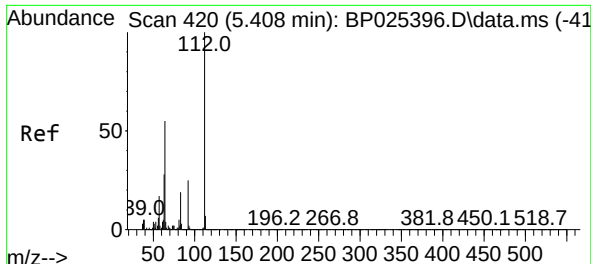
Tgt Ion: 79 Resp: 47347
Ion Ratio Lower Upper
79 100
52 64.7 55.5 83.3
51 37.0 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 5.077 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 42 Resp: 17697
Ion Ratio Lower Upper
42 100
74 126.7 107.0 160.4
44 18.7 6.2 9.4

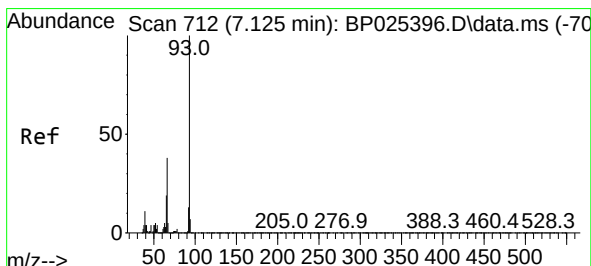
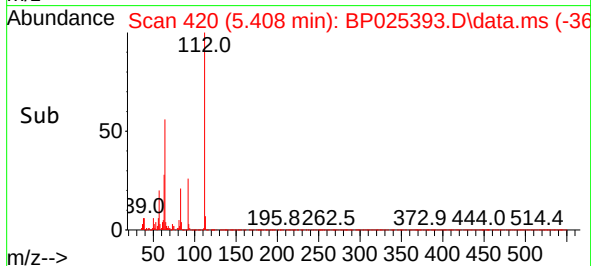
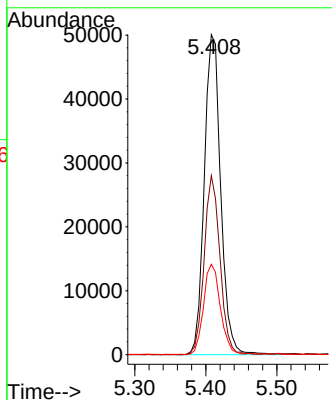
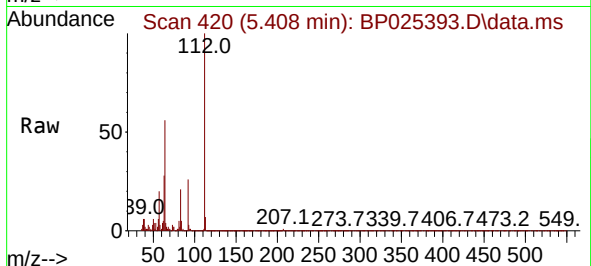




#5
2-Fluorophenol
Concen: 10.227 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

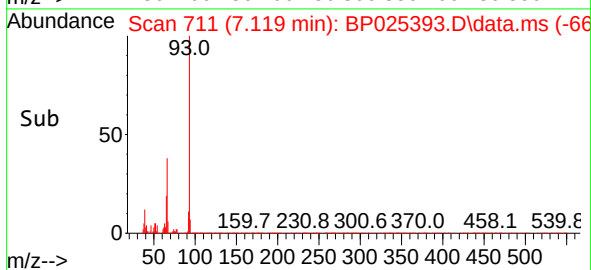
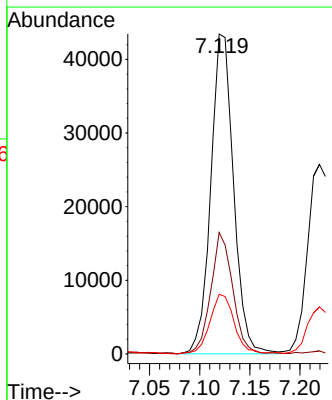
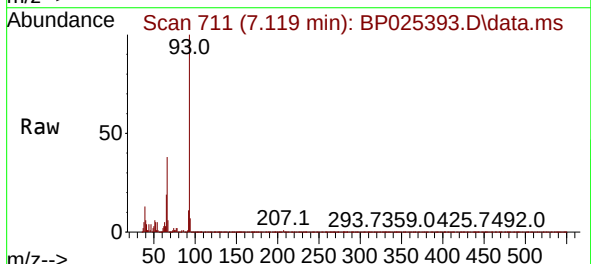
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

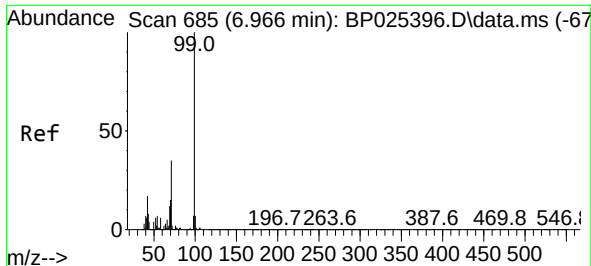
Tgt Ion:	112	Resp:	80645
Ion Ratio	Lower	Upper	
112	100		
64	55.9	43.8	65.8
63	28.3	22.7	34.1



#6
Aniline
Concen: 5.043 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	93	Resp:	68694
Ion Ratio	Lower	Upper	
93	100		
66	38.0	30.4	45.6
65	18.6	15.3	22.9

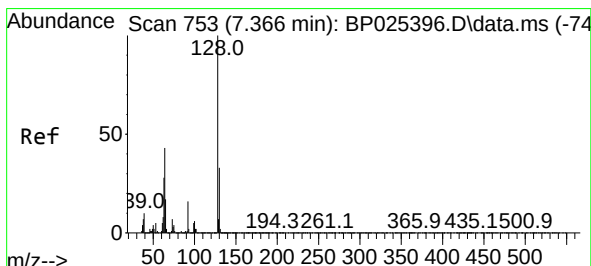
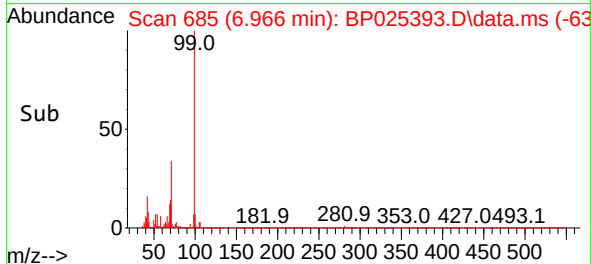
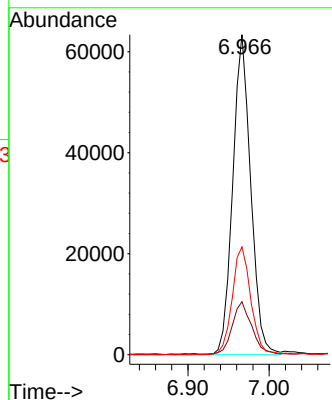
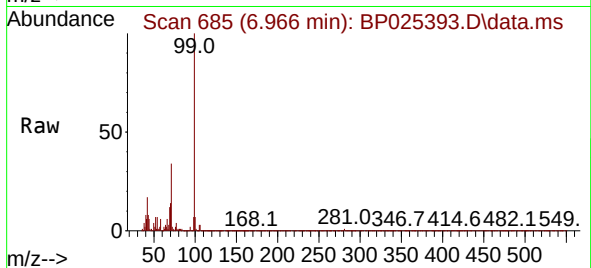




#7
Phenol-d6
Concen: 9.605 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

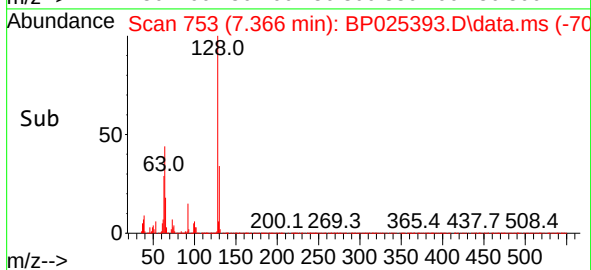
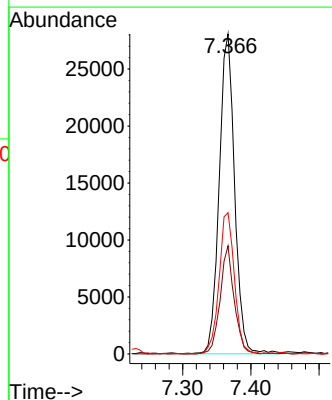
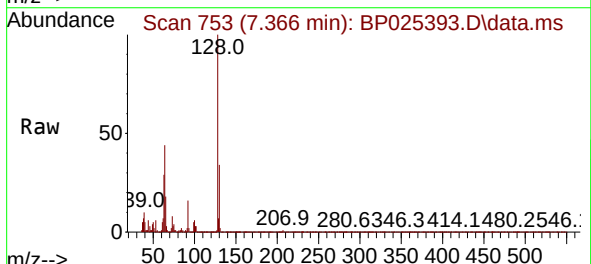
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

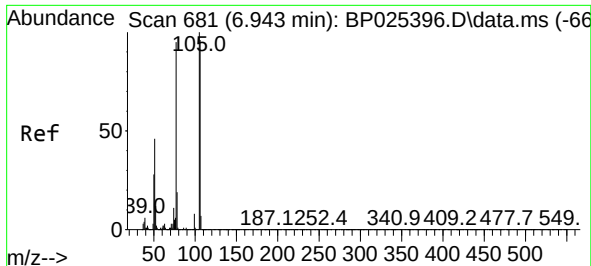
Tgt Ion:	99	Resp:	97106
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.7	20.5
71	33.7	28.2	42.4



#8
2-Chlorophenol
Concen: 4.969 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	128	Resp:	44217
Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.6	52.6
64	44.1	23.4	63.4

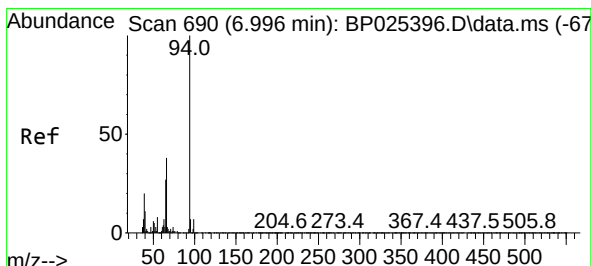
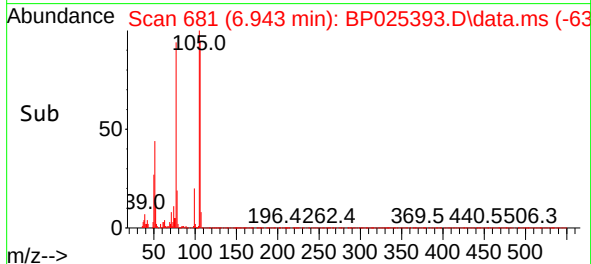
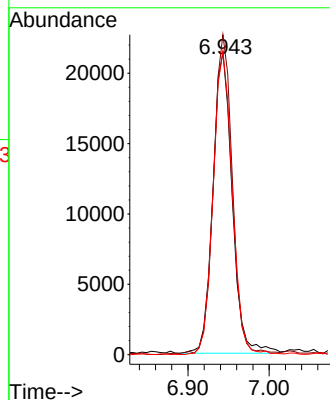
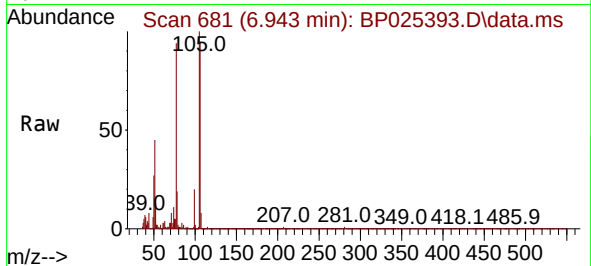




#9
Benzaldehyde
Concen: 4.989 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

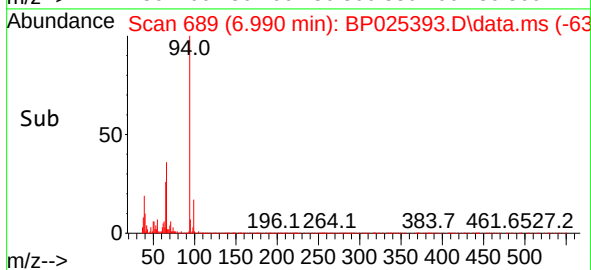
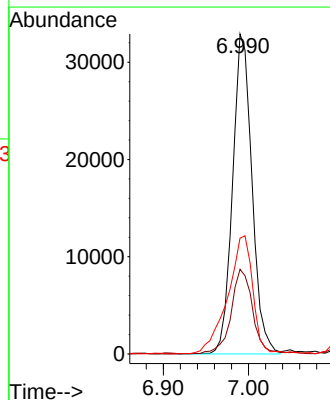
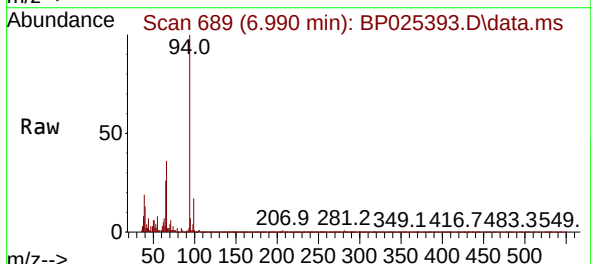
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

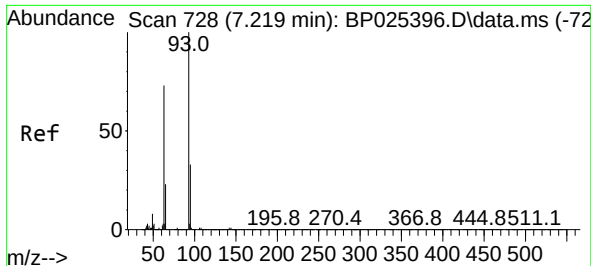
Tgt Ion: 77 Resp: 35338
Ion Ratio Lower Upper
77 100
105 105.9 84.8 124.8
106 100.5 80.5 120.5



#10
Phenol
Concen: 4.919 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 94 Resp: 52186
Ion Ratio Lower Upper
94 100
65 26.5 6.8 46.8
66 36.2 18.2 58.2

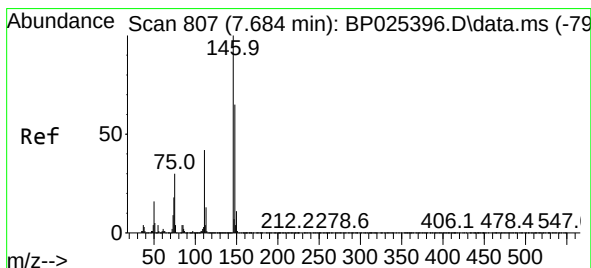
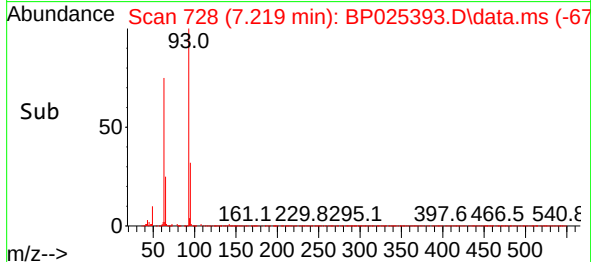
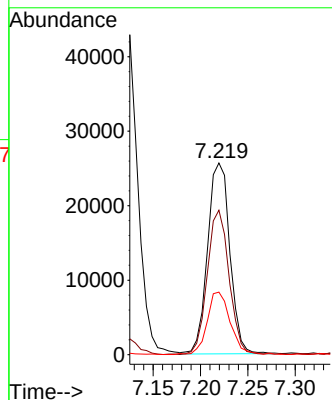
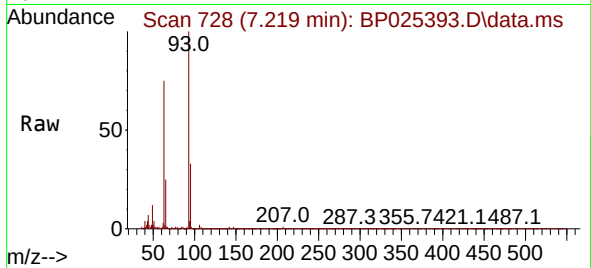




#11
bis(2-Chloroethyl)ether
Concen: 5.079 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

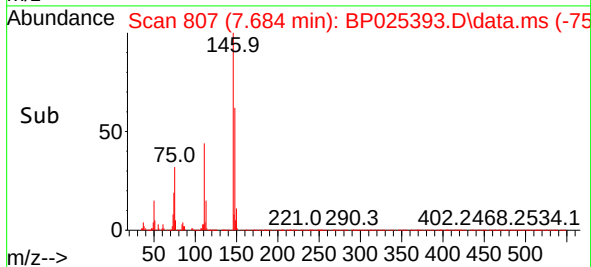
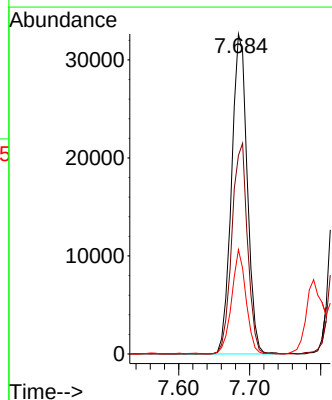
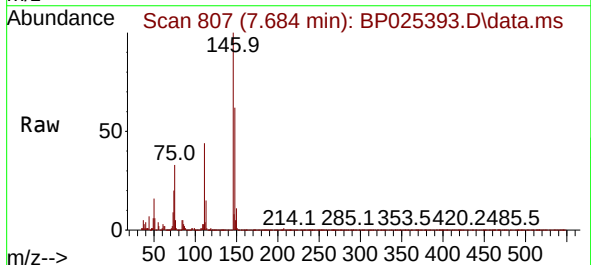
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

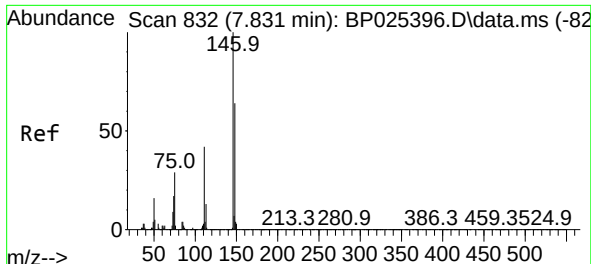
Tgt Ion:	93	Resp:	41995
Ion	Ratio	Lower	Upper
93	100		
63	75.4	52.6	92.6
95	32.6	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 5.111 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	146	Resp:	50146
Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.9	77.9
75	32.6	23.7	35.5

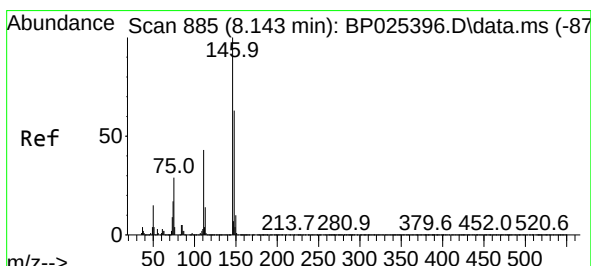
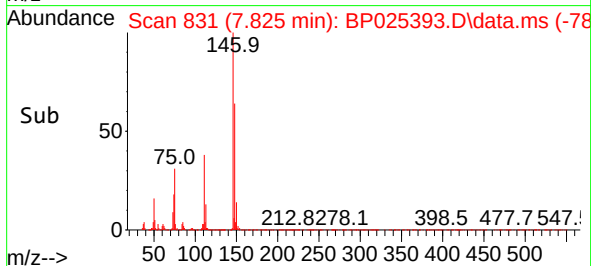
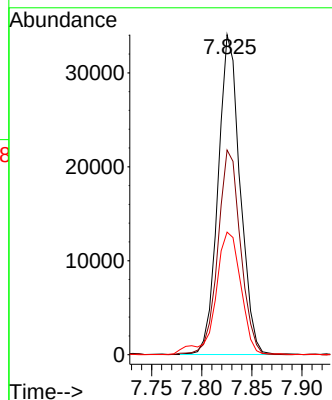
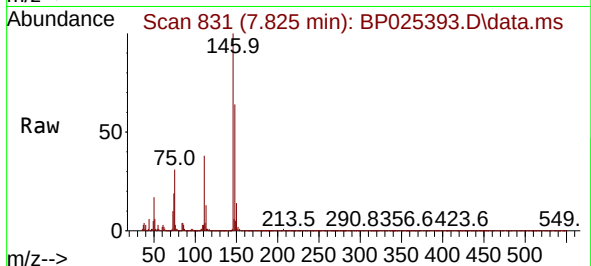




#13
1,4-Dichlorobenzene
Concen: 5.180 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

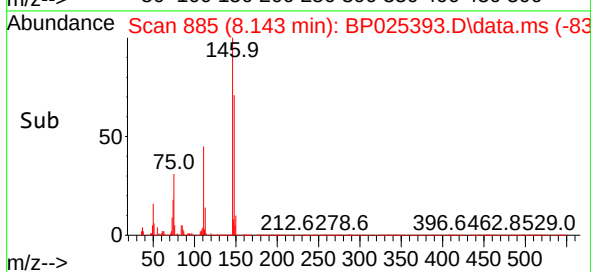
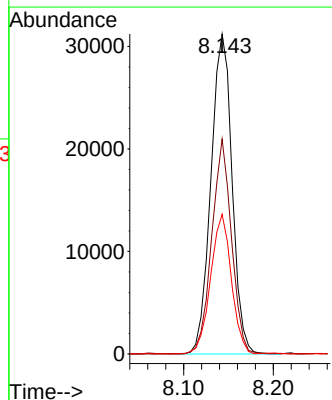
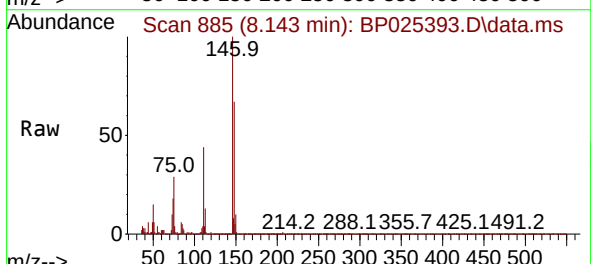
Instrument :
BNA_P
ClientSampleId :
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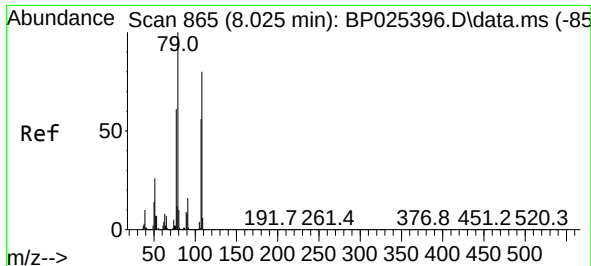
Tgt Ion:146 Resp: 51948
Ion Ratio Lower Upper
146 100
148 64.0 51.6 77.4
111 38.3 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 5.253 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 50995
Ion Ratio Lower Upper
146 100
148 67.2 50.4 75.6
111 43.7 34.5 51.7

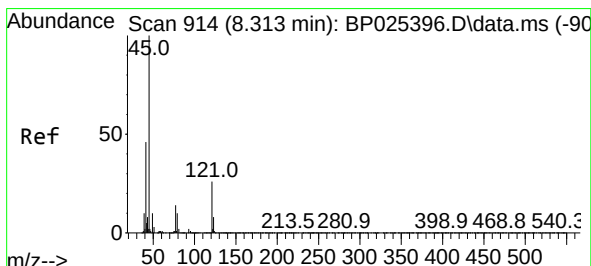
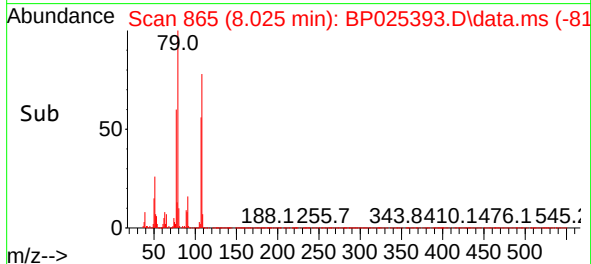
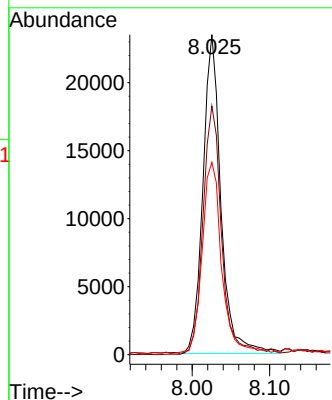
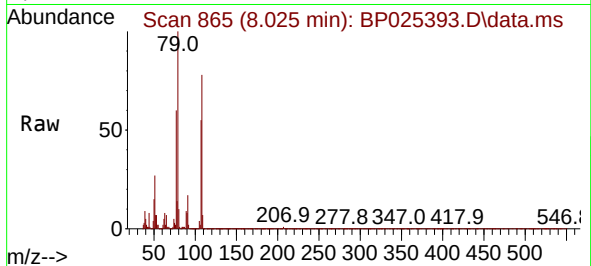




#15
Benzyl Alcohol
Concen: 4.715 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

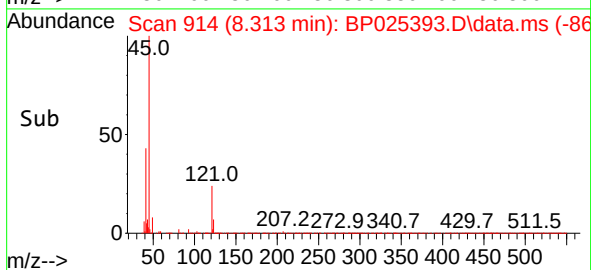
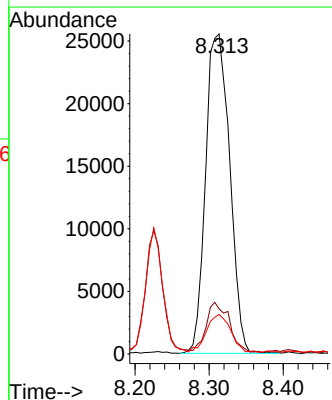
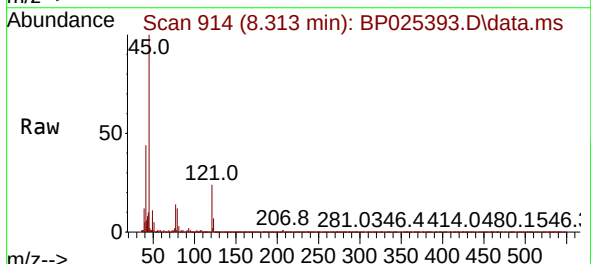
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

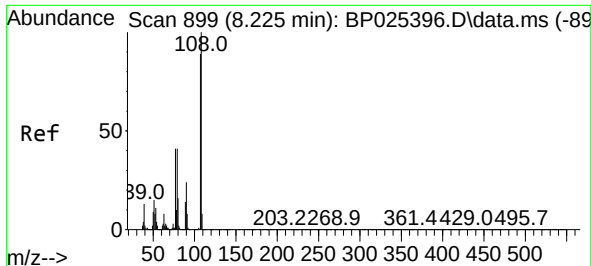
Tgt Ion: 79 Resp: 37874
Ion Ratio Lower Upper
79 100
108 77.7 63.8 95.6
77 60.1 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.208 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 45 Resp: 57686
Ion Ratio Lower Upper
45 100
77 14.1 0.0 35.3
79 12.4 0.0 31.8

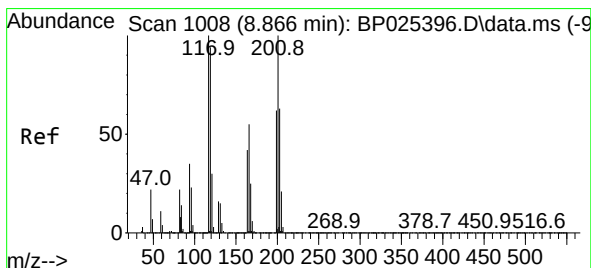
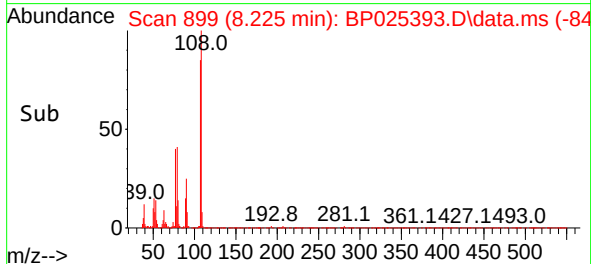
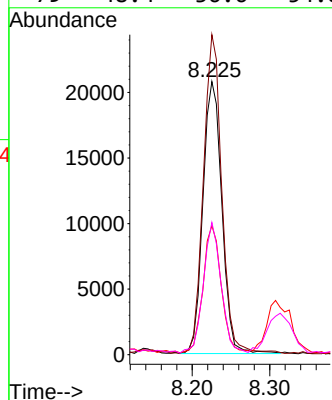
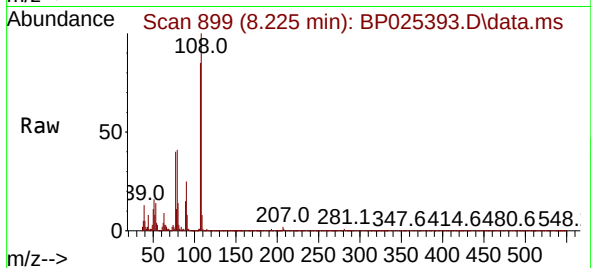




#17
2-Methylphenol
Concen: 4.776 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

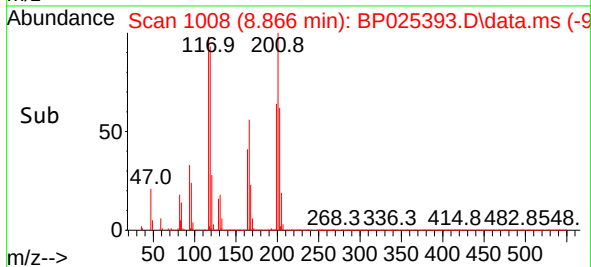
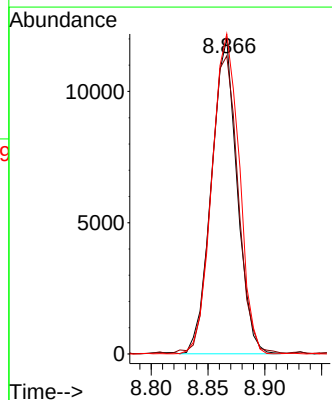
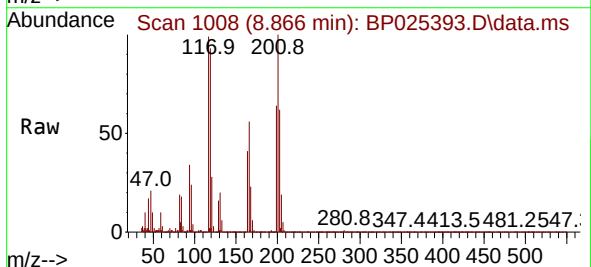
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

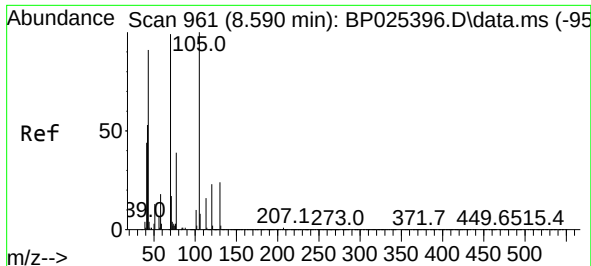
Tgt Ion:	107	Resp:	35186
Ion	Ratio	Lower	Upper
107	100		
108	117.2	89.4	134.0
77	47.2	36.3	54.5
79	48.4	36.6	54.8



#18
Hexachloroethane
Concen: 5.127 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	117	Resp:	18905
Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.1	112.7
201	101.5	80.1	120.1

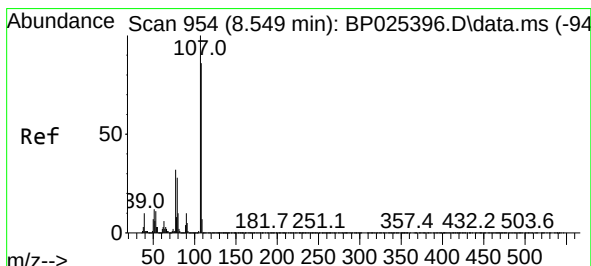
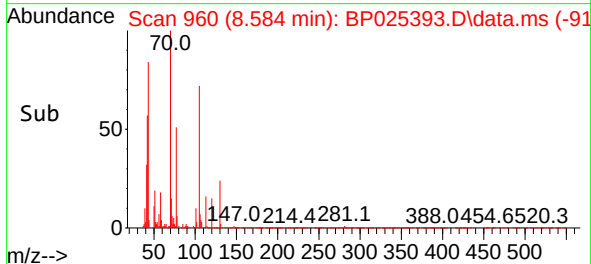
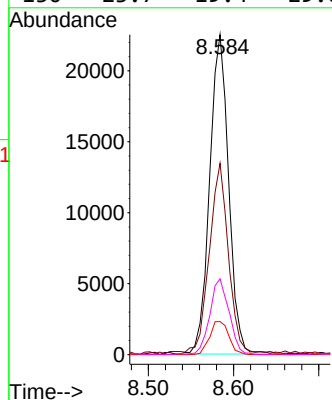
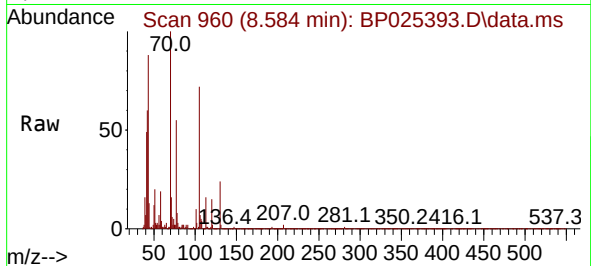




#19
n-Nitroso-di-n-propylamine
Concen: 5.205 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

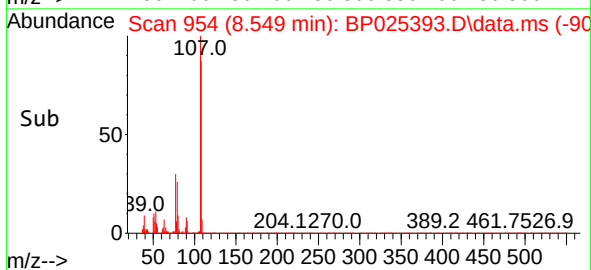
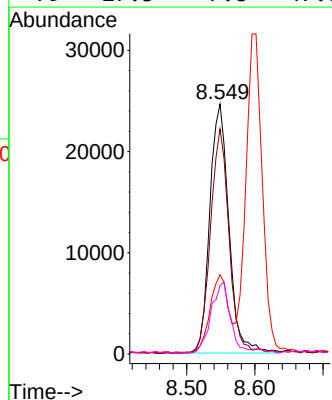
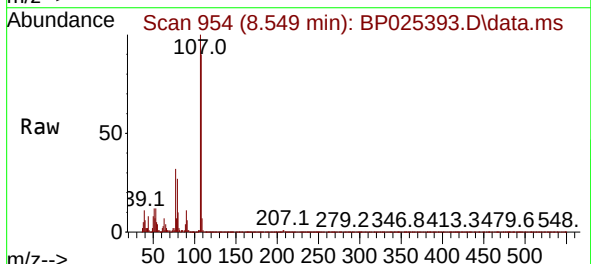
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

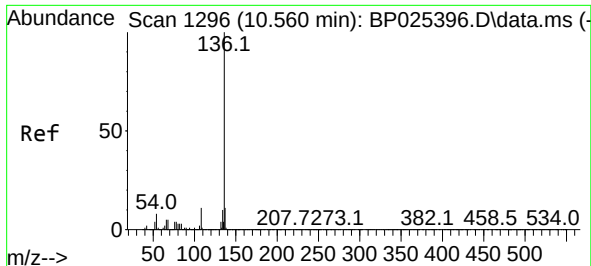
Tgt Ion: 70 Resp: 34898
Ion Ratio Lower Upper
70 100
42 59.8 43.8 65.6
101 10.3 8.5 12.7
130 23.7 19.4 29.0



#20
3+4-Methylphenols
Concen: 4.705 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 107 Resp: 48056
Ion Ratio Lower Upper
107 100
108 90.0 66.3 106.3
77 31.7 12.3 52.3
79 27.3 7.8 47.8

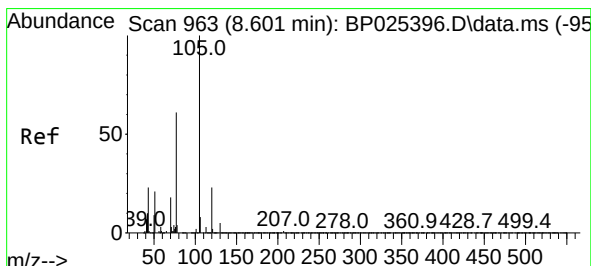
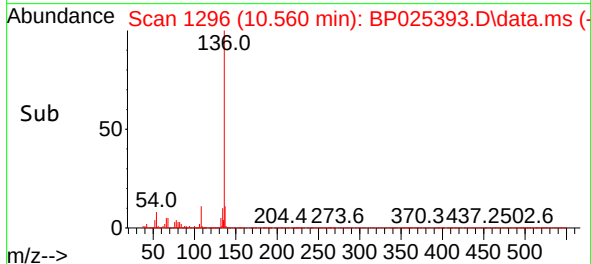
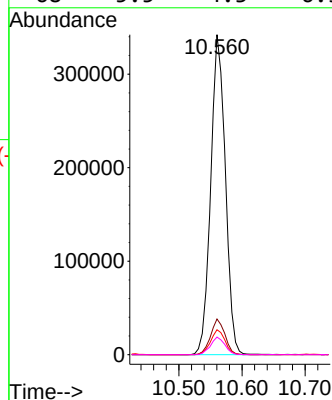
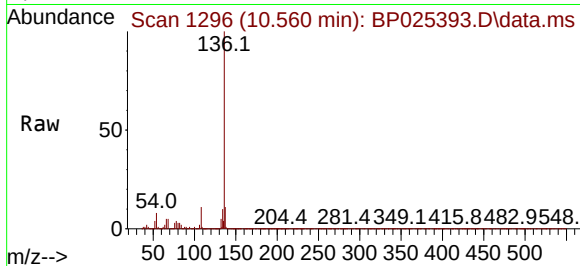




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

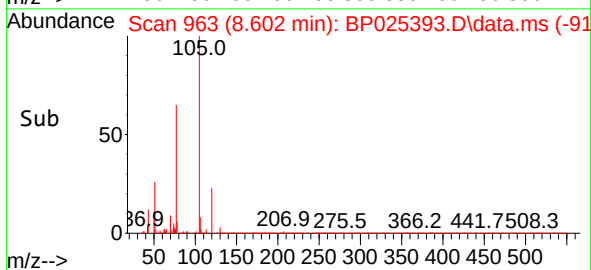
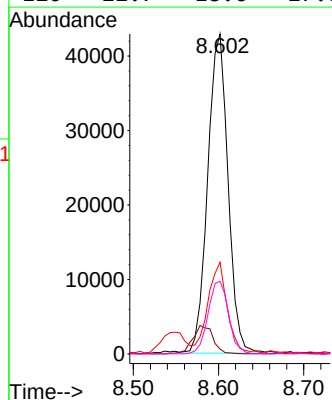
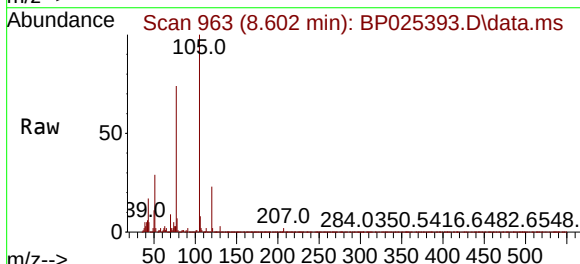
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

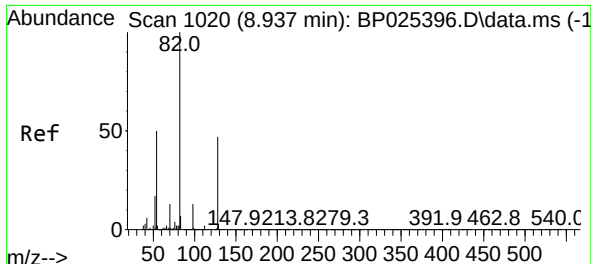
Tgt Ion:	136	Resp:	551384
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.8	6.0	9.0
68	5.5	4.3	6.5



#22
Acetophenone
Concen: 5.134 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	105	Resp:	70986
Ion	Ratio	Lower	Upper
105	100		
71	1.5	2.6	4.0#
51	28.7	20.6	30.8
120	22.7	18.6	27.8





#23

Nitrobenzene-d5

Concen: 9.983 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

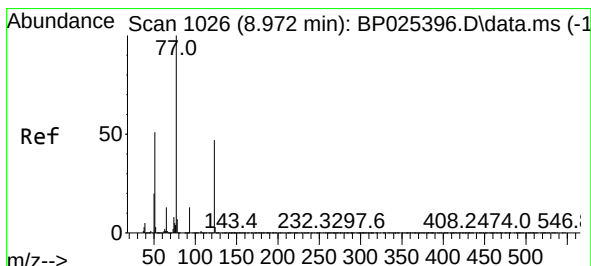
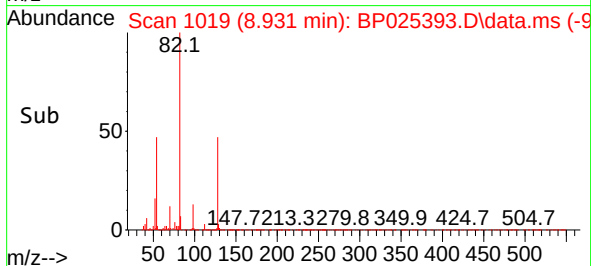
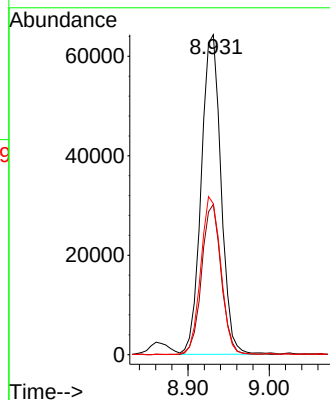
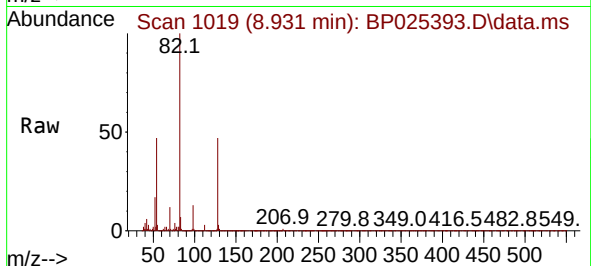
Tgt Ion: 82 Resp: 108814

Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

54 47.2 39.8 59.6



#24

Nitrobenzene

Concen: 4.951 ng

RT: 8.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

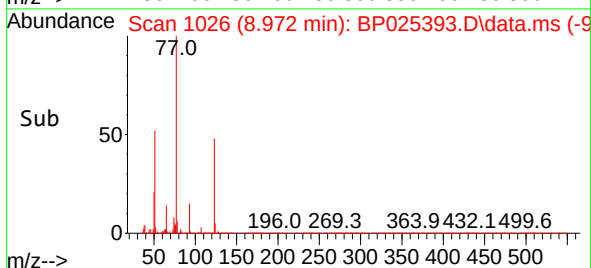
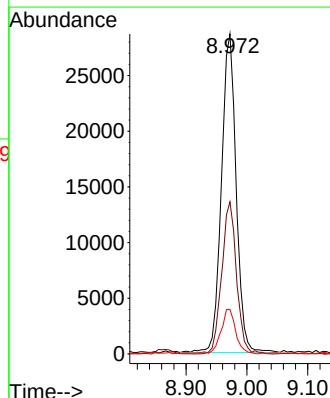
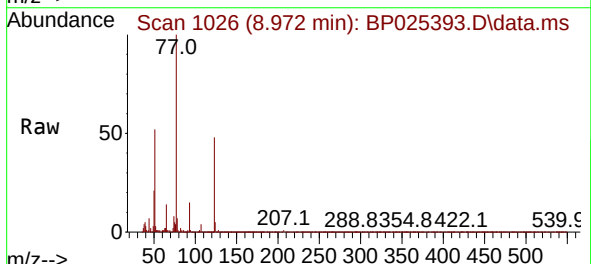
Tgt Ion: 77 Resp: 48234

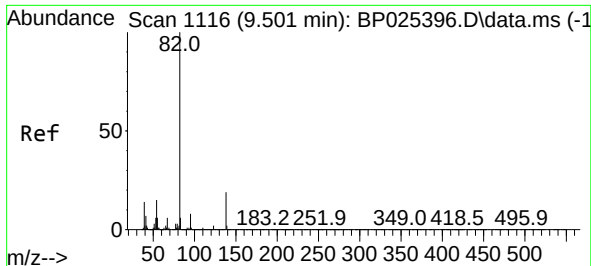
Ion Ratio Lower Upper

77 100

123 47.6 38.6 58.0

65 13.9 10.6 15.8

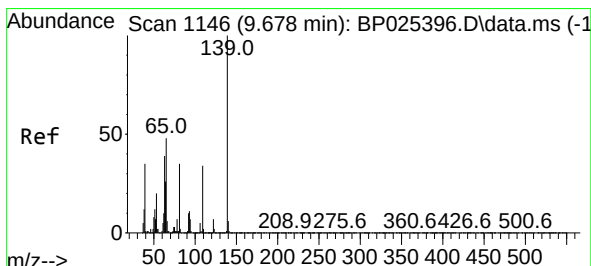
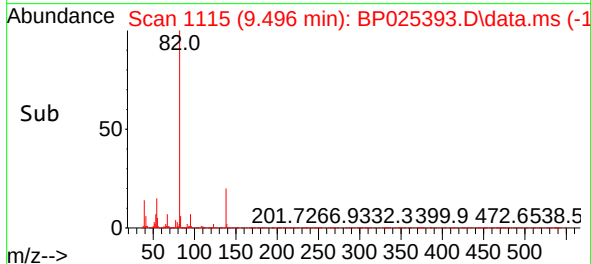
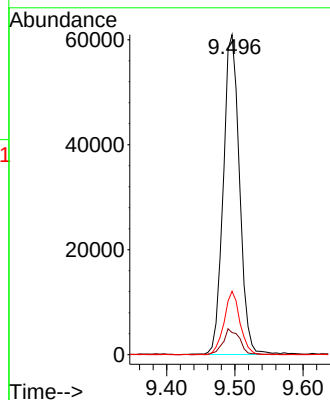
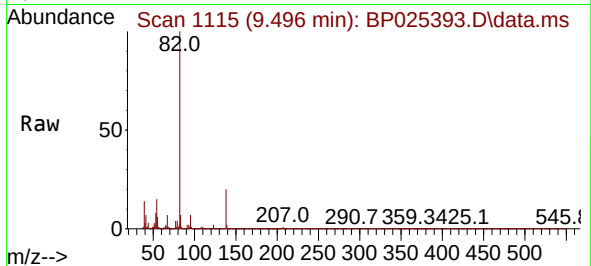




#25
Isophorone
Concen: 5.242 ng
RT: 9.496 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

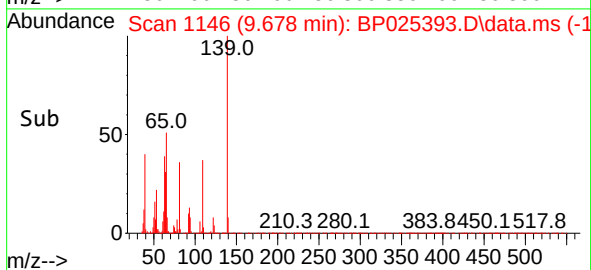
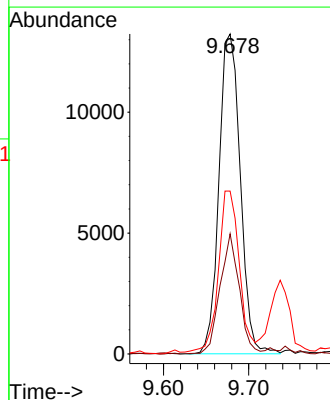
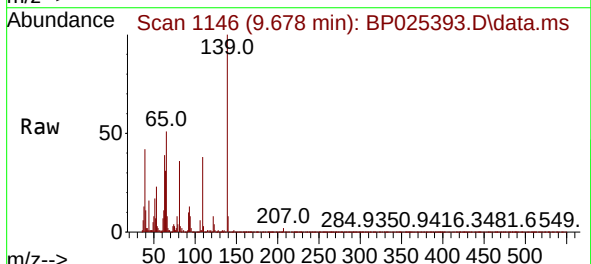
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

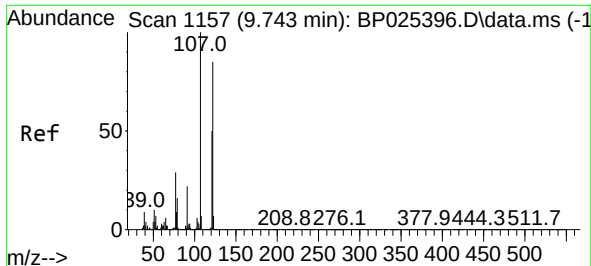
Tgt Ion: 82	Resp: 101112
Ion Ratio	Lower Upper
82 100	
95 6.9	6.4 9.6
138 19.8	15.4 23.0



#26
2-Nitrophenol
Concen: 4.605 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 139	Resp: 23020
Ion Ratio	Lower Upper
139 100	
109 37.5	26.9 40.3
65 50.9	38.3 57.5

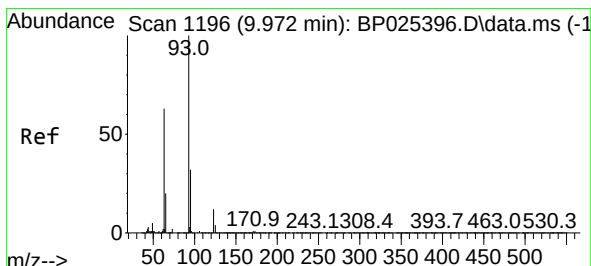
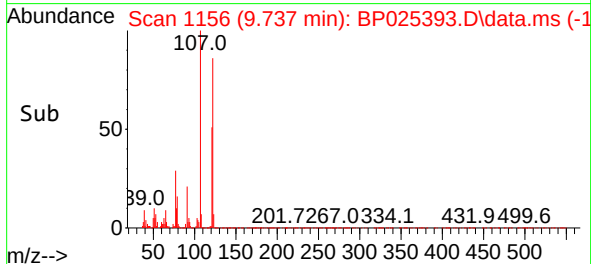
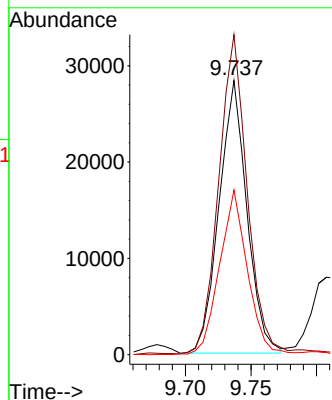
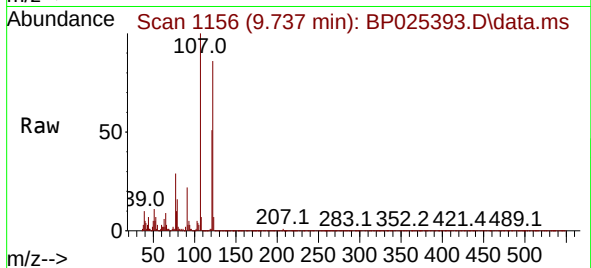




#27
2,4-Dimethylphenol
Concen: 4.861 ng
RT: 9.737 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

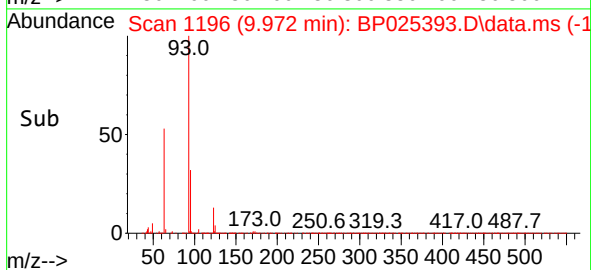
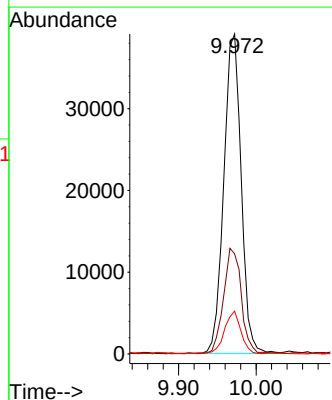
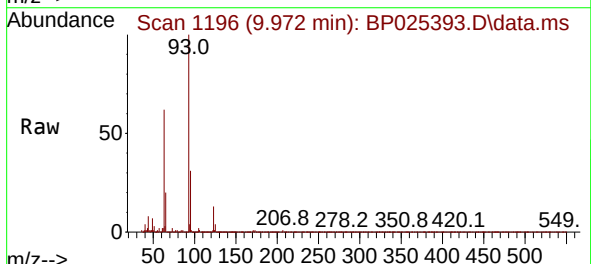
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

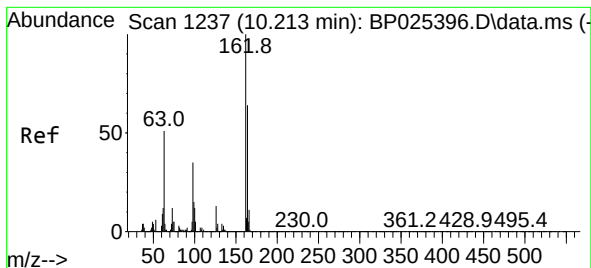
Tgt Ion:122 Resp: 41790
Ion Ratio Lower Upper
122 100
107 116.7 93.7 140.5
121 60.0 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 5.233 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 93 Resp: 61017
Ion Ratio Lower Upper
93 100
95 31.3 25.4 38.0
123 13.4 9.4 14.0

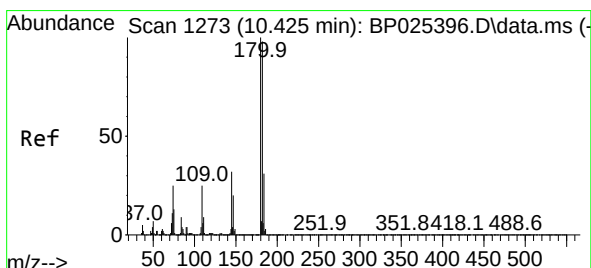
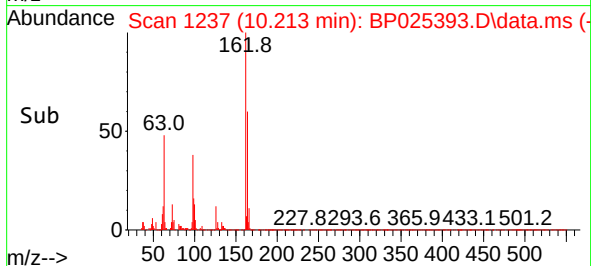
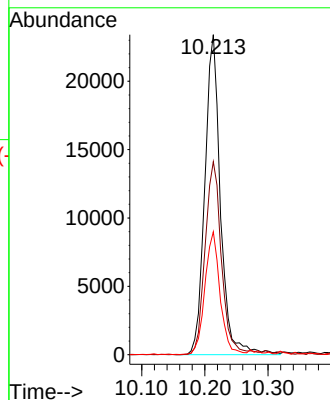
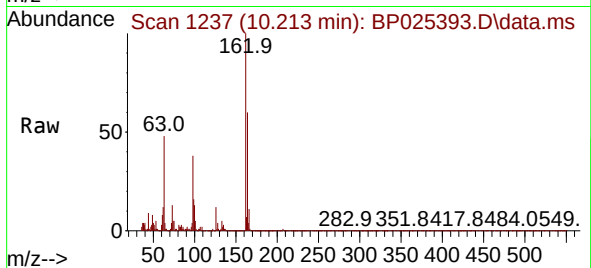




#29
2,4-Dichlorophenol
Concen: 4.723 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

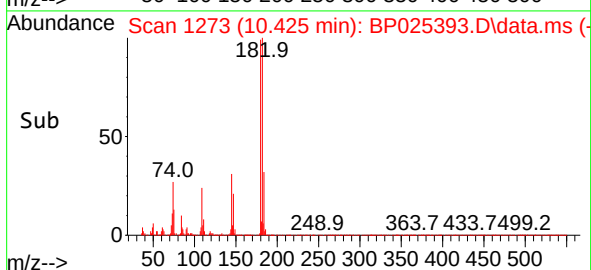
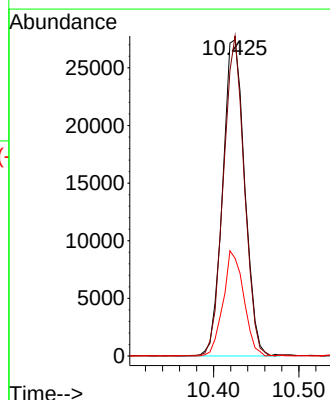
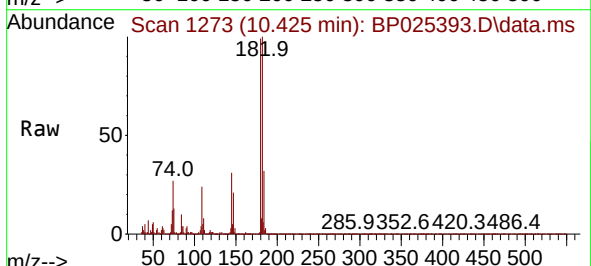
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

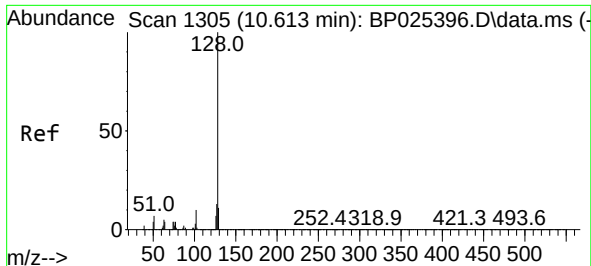
Tgt Ion:	162	Resp:	40336
Ion Ratio	Lower	Upper	
162	100		
164	60.3	44.4	84.4
98	38.4	14.9	54.9



#30
1,2,4-Trichlorobenzene
Concen: 5.259 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	180	Resp:	49237
Ion Ratio	Lower	Upper	
180	100		
182	101.2	78.0	117.0
145	30.9	25.9	38.9

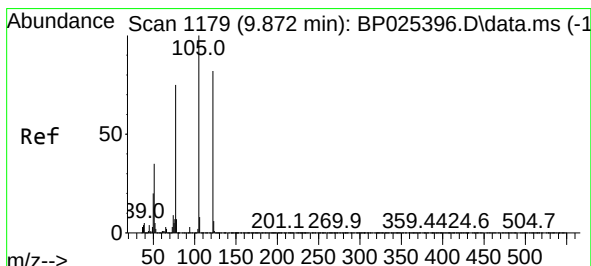
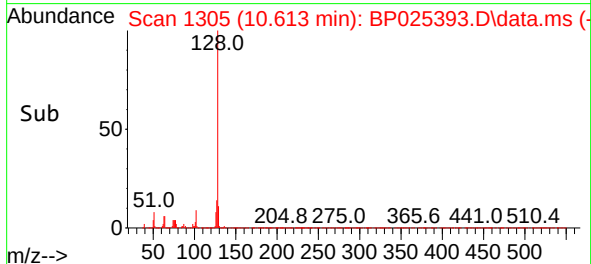
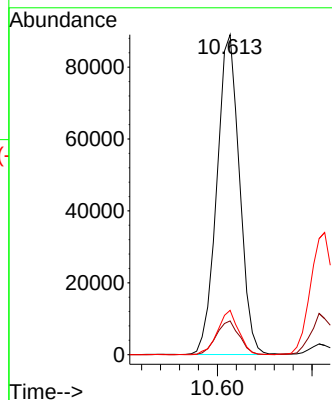
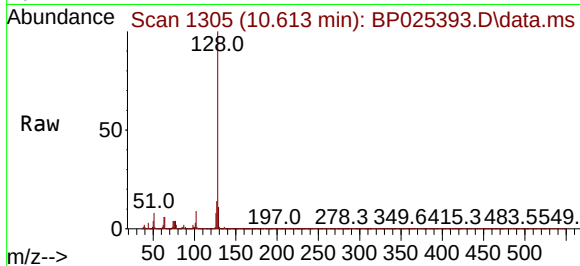




#31
Naphthalene
Concen: 5.141 ng
RT: 10.613 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

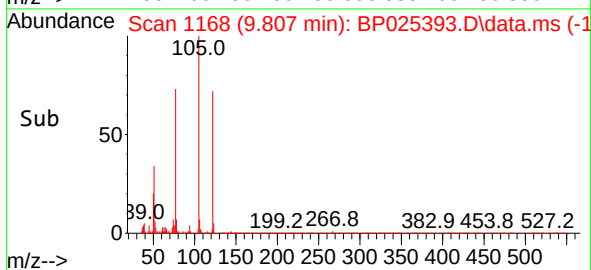
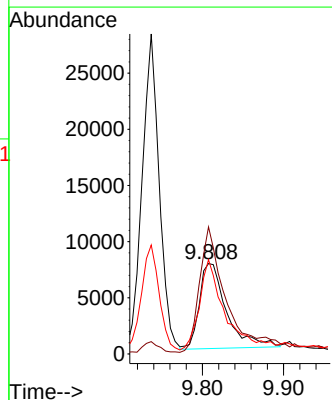
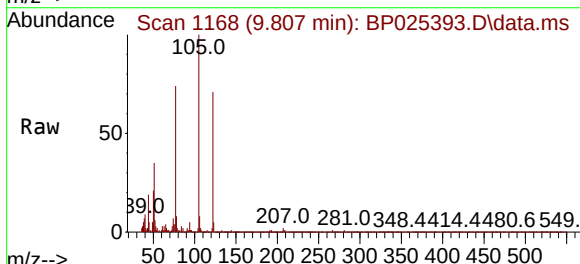
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

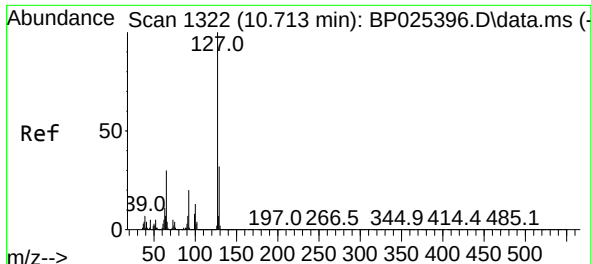
Tgt Ion:128 Resp: 147346
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.9 10.7 16.1



#32
Benzoic acid
Concen: 2.788 ng
RT: 9.807 min Scan# 1168
Delta R.T. -0.065 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:122 Resp: 17656
Ion Ratio Lower Upper
122 100
105 140.5 100.6 140.6
77 104.3 71.5 111.5

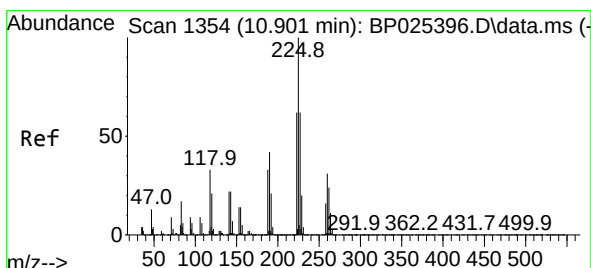
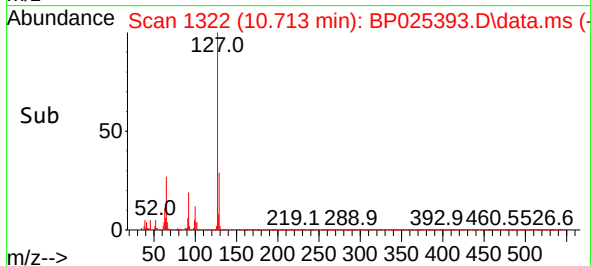
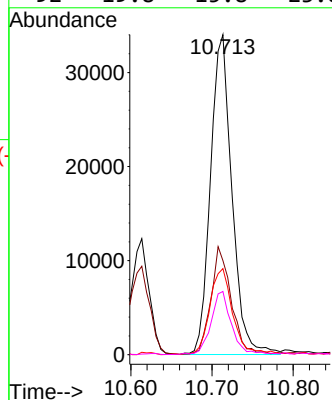
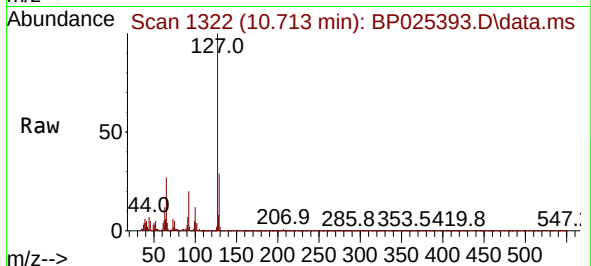




#33
4-Chloroaniline
Concen: 4.933 ng
RT: 10.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

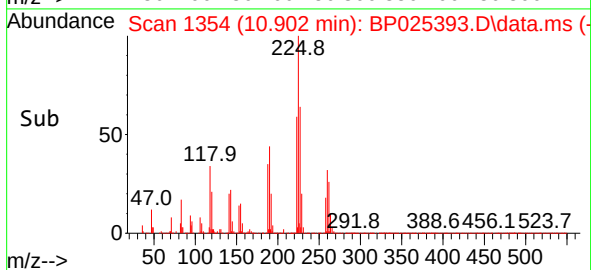
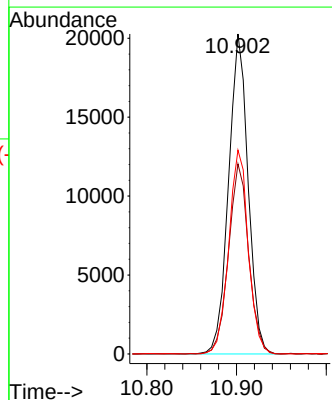
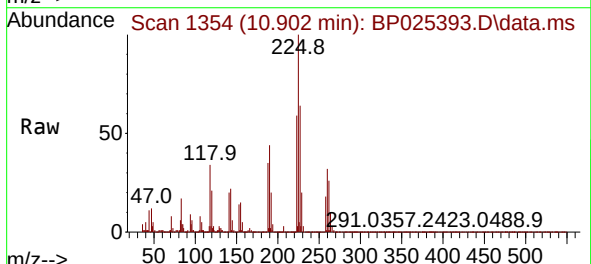
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

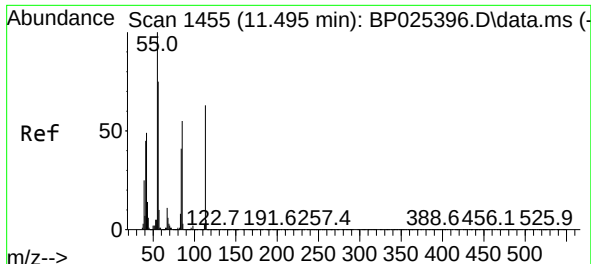
Tgt Ion:	127	Resp:	62452
Ion	Ratio	Lower	Upper
127	100		
129	29.4	25.4	38.2
65	26.9	23.8	35.6
92	19.8	15.8	23.8



#34
Hexachlorobutadiene
Concen: 5.241 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	225	Resp:	30559
Ion	Ratio	Lower	Upper
225	100		
223	59.4	50.0	75.0
227	66.3	49.7	74.5

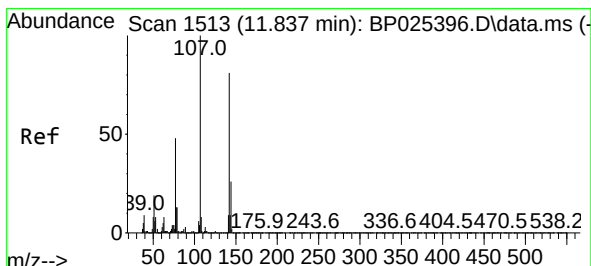
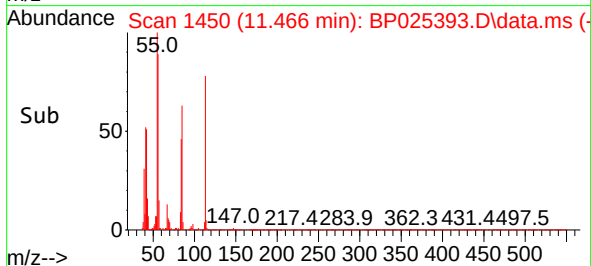
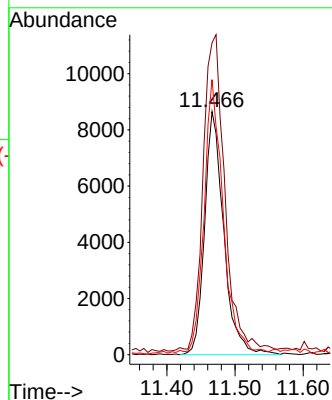
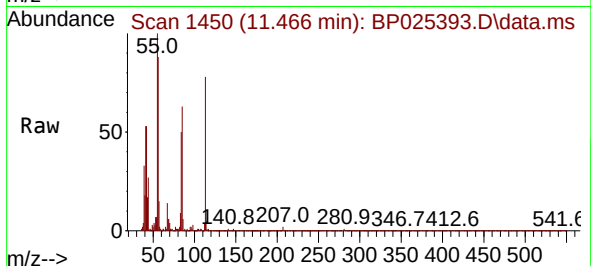




#35
Caprolactam
Concen: 5.393 ng
RT: 11.466 min Scan# 1455
Delta R.T. -0.029 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

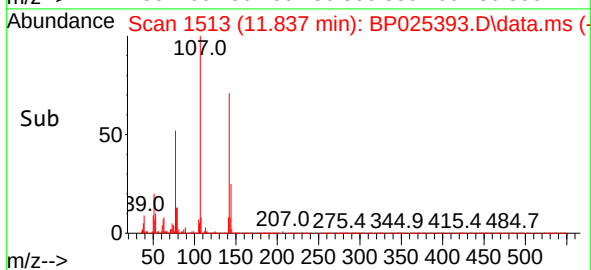
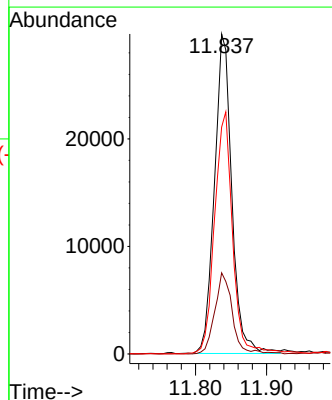
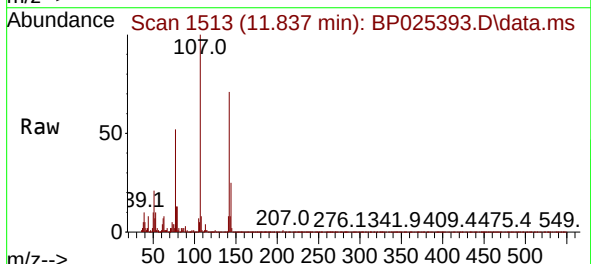
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

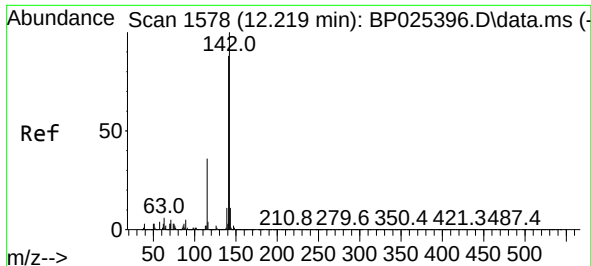
Tgt Ion:113 Resp: 16890
Ion Ratio Lower Upper
113 100
55 128.3 140.0 180.0#
56 113.2 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 5.154 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:107 Resp: 50515
Ion Ratio Lower Upper
107 100
144 25.4 21.0 31.4
142 70.9 64.6 97.0

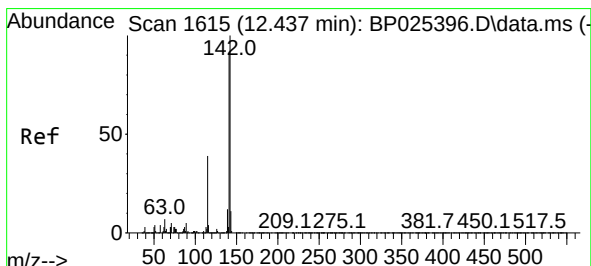
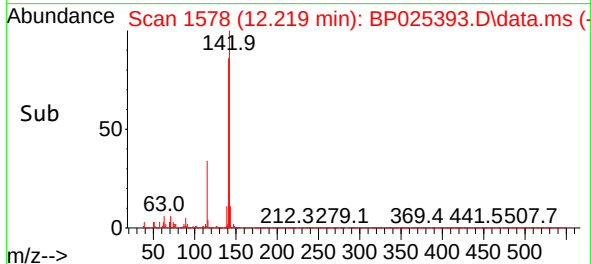
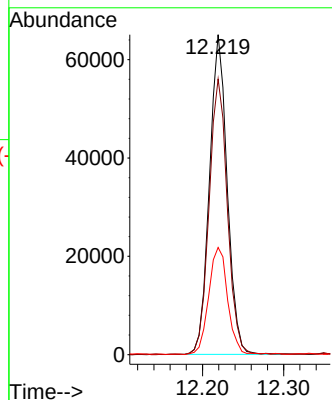
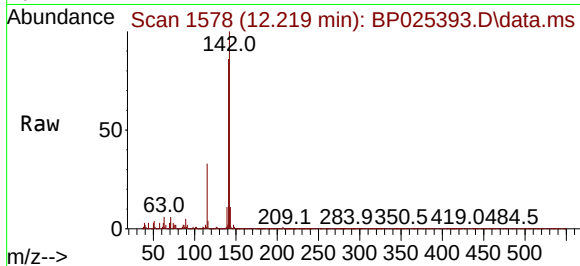




#37
2-Methylnaphthalene
Concen: 5.289 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

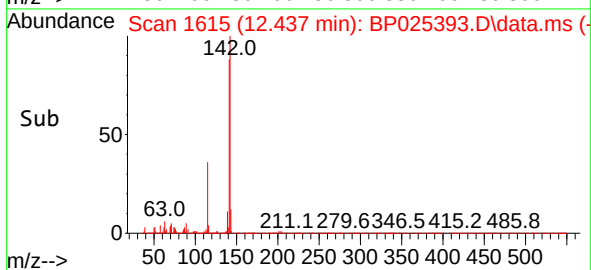
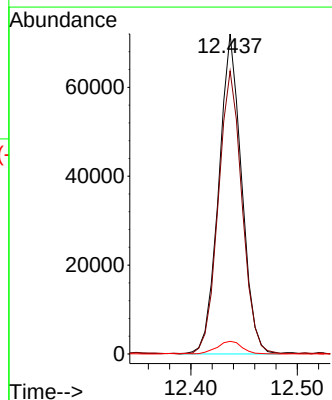
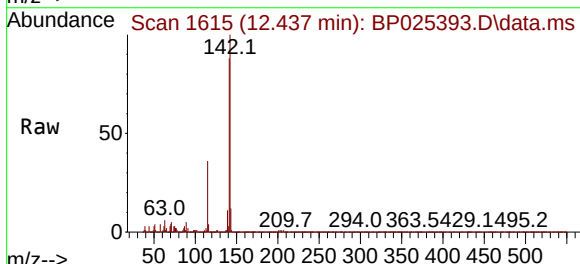
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

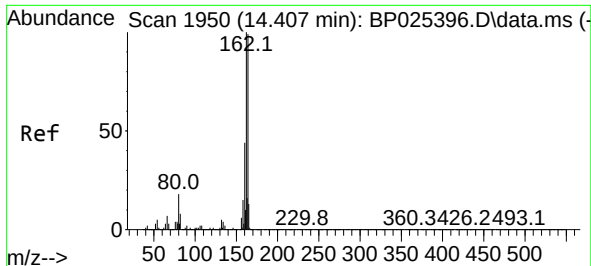
Tgt Ion:	142	Resp:	98648
Ion Ratio	Lower	Upper	
142	100		
141	86.1	70.3	105.5
115	33.5	28.9	43.3



#38
1-Methylnaphthalene
Concen: 5.397 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	142	Resp:	107044
Ion Ratio	Lower	Upper	
142	100		
141	88.4	73.1	109.7
116	3.9	3.2	4.8

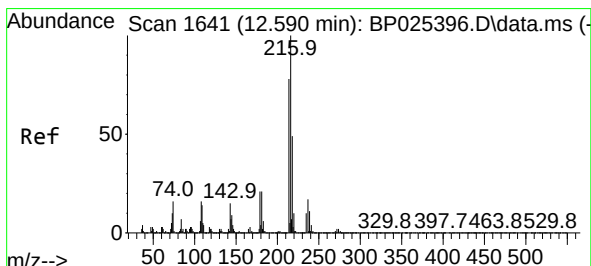
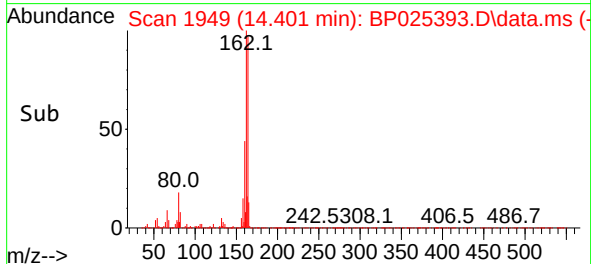
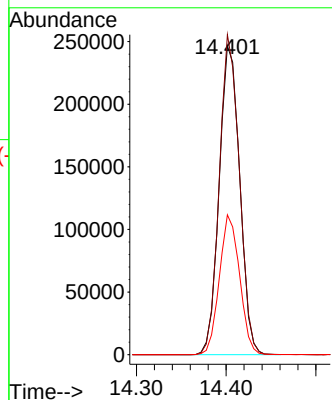
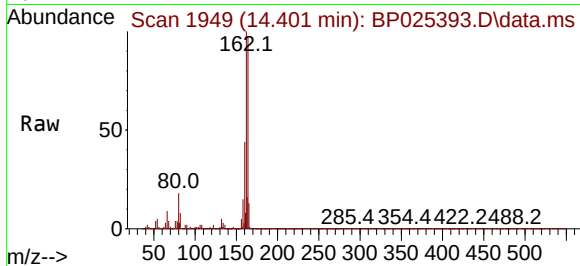




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

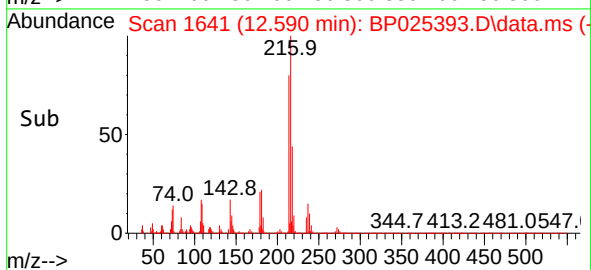
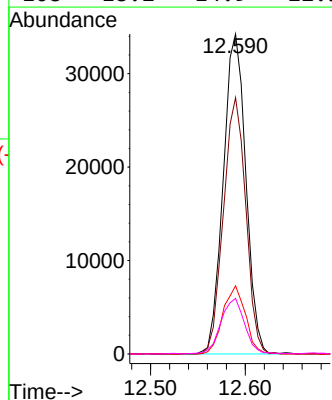
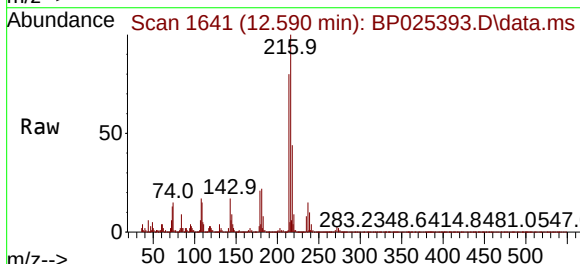
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

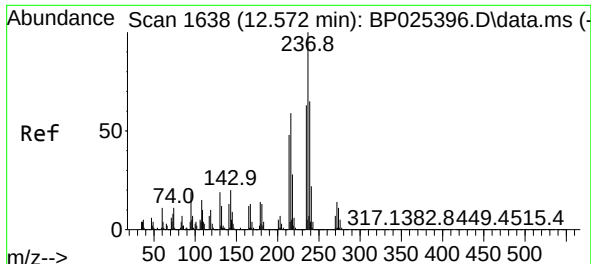
Tgt Ion:164 Resp: 392376
Ion Ratio Lower Upper
164 100
162 103.6 81.0 121.6
160 45.3 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.001 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:216 Resp: 56676
Ion Ratio Lower Upper
216 100
214 79.1 63.0 94.4
179 21.3 17.1 25.7
108 18.2 14.9 22.3

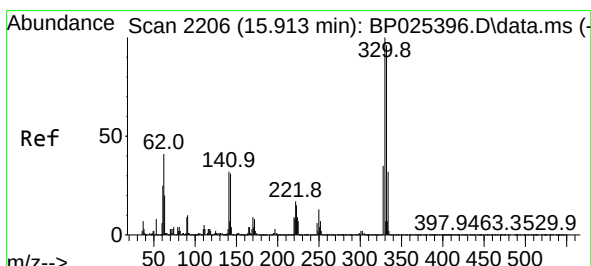
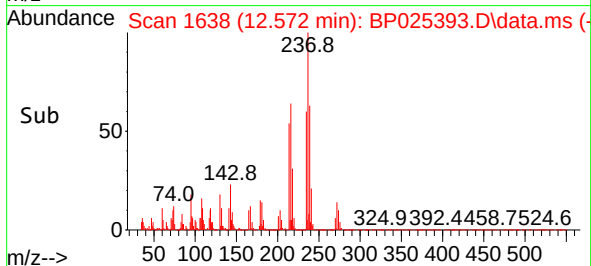
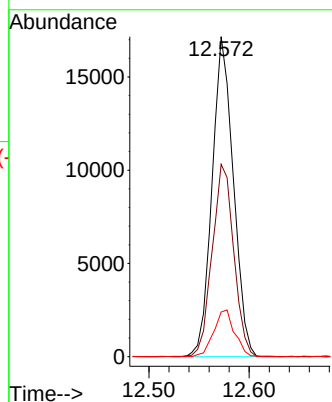
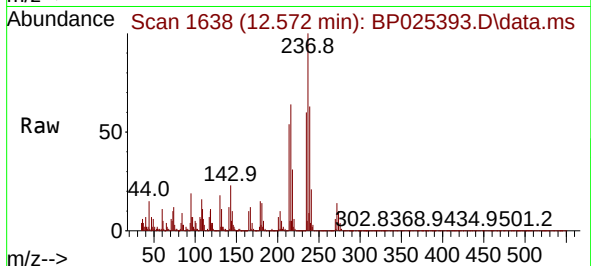




#41
Hexachlorocyclopentadiene
Concen: 3.688 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

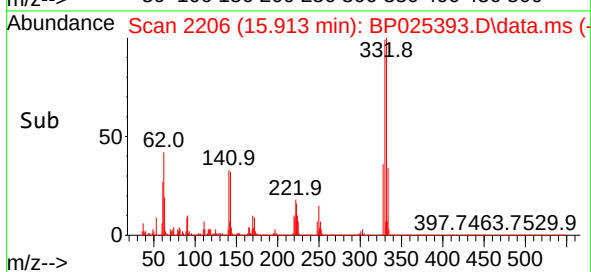
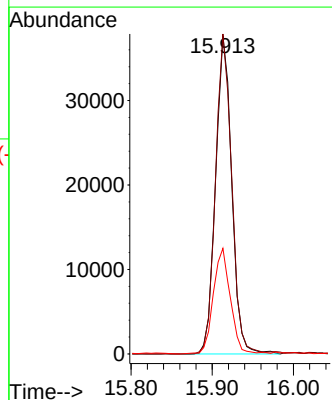
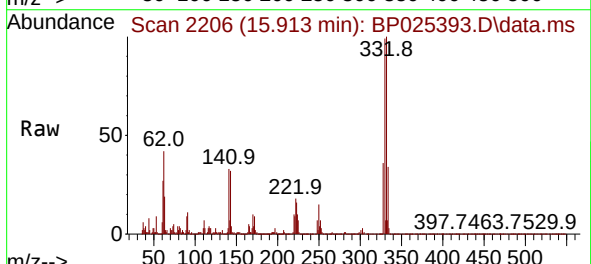
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

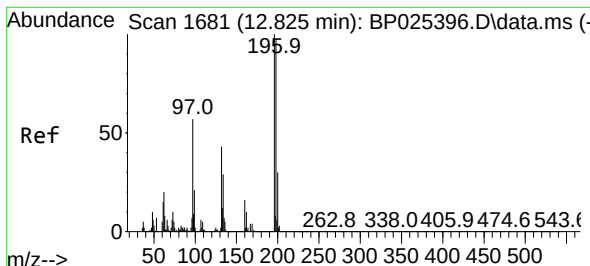
Tgt Ion:	237	Resp:	25243
Ion Ratio	Lower	Upper	
237	100		
235	60.1	42.7	82.7
272	13.9	0.0	34.0



#42
2,4,6-Tribromophenol
Concen: 9.881 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	330	Resp:	52188
Ion Ratio	Lower	Upper	
330	100		
332	100.4	77.3	115.9
141	34.9	26.6	39.8





#43

2,4,6-Trichlorophenol

Concen: 4.718 ng

RT: 12.831 min Scan# 1681

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

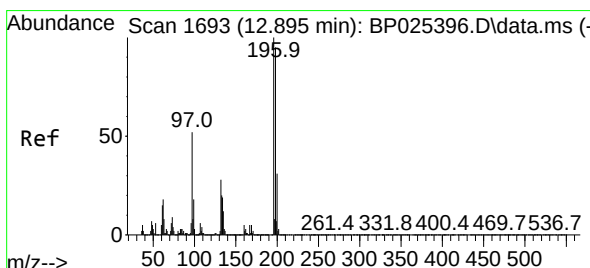
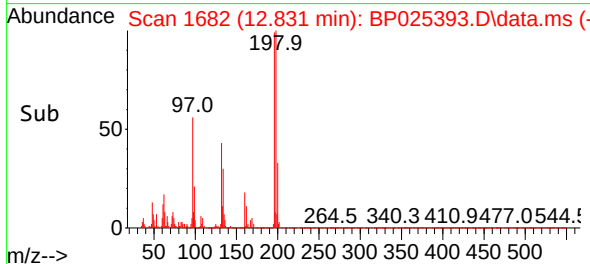
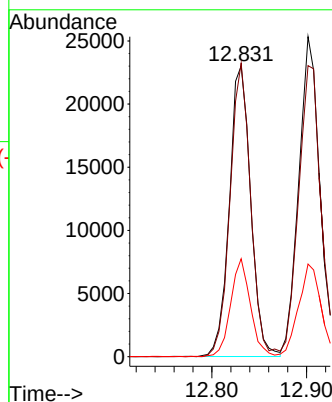
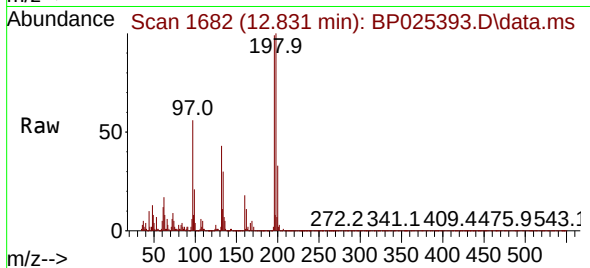
Tgt Ion:196 Resp: 36093

Ion Ratio Lower Upper

196 100

198 101.0 77.2 115.8

200 33.7 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 4.875 ng

RT: 12.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Tgt Ion:196 Resp: 40875

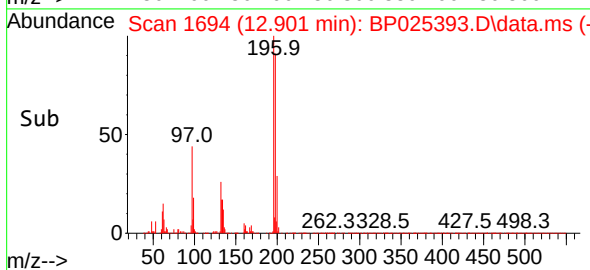
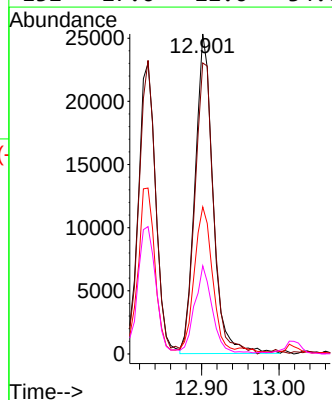
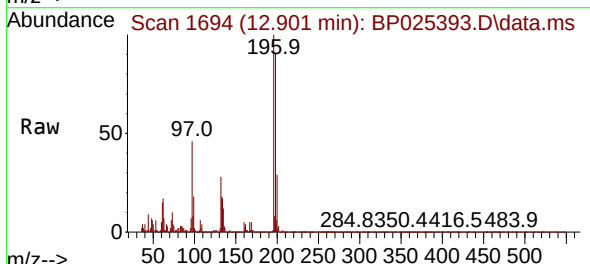
Ion Ratio Lower Upper

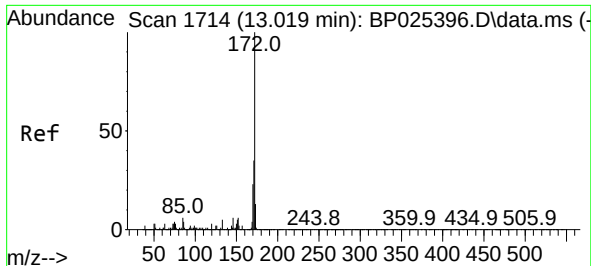
196 100

198 91.0 76.2 114.2

97 46.0 41.2 61.8

132 27.6 22.6 34.0

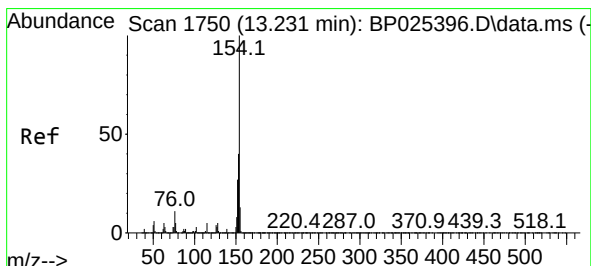
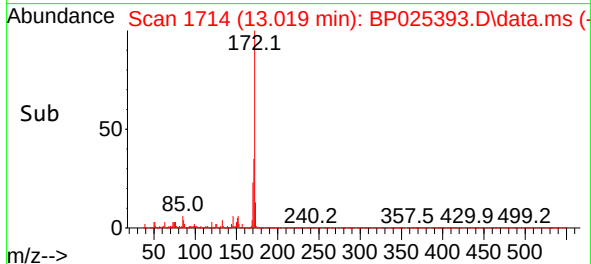
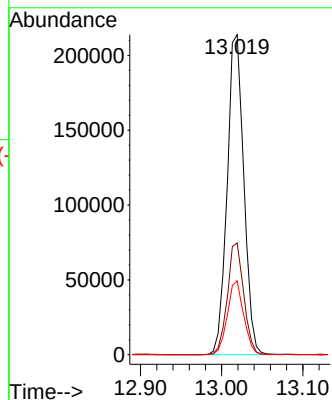
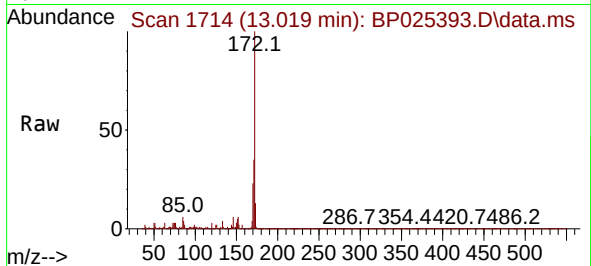




#45
2-Fluorobiphenyl
Concen: 10.649 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

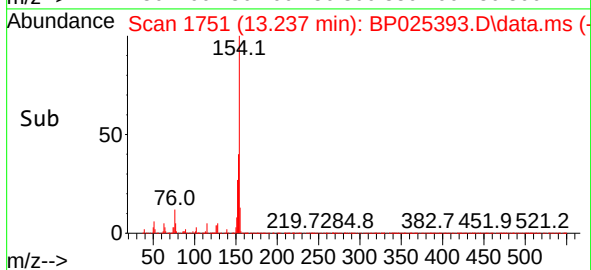
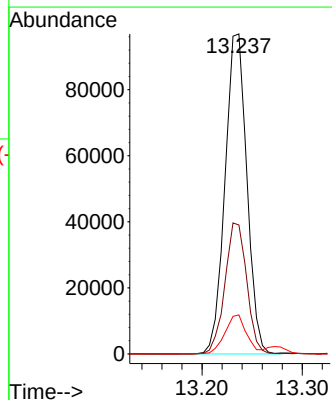
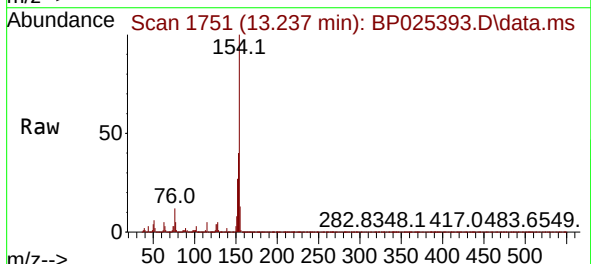
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

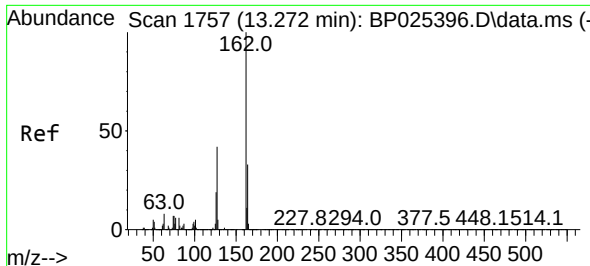
Tgt Ion:172 Resp: 305742
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.1 18.6 28.0



#46
1,1'-Biphenyl
Concen: 5.146 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:154 Resp: 146651
Ion Ratio Lower Upper
154 100
153 40.3 19.5 59.5
76 12.2 0.0 31.1

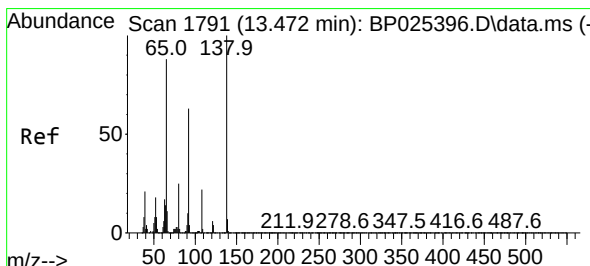
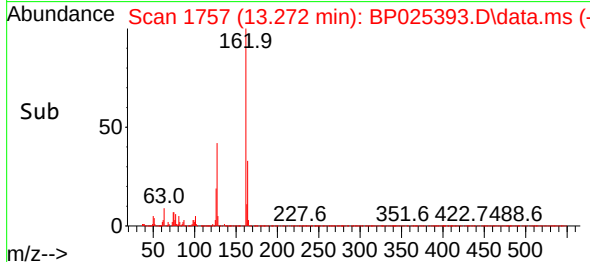
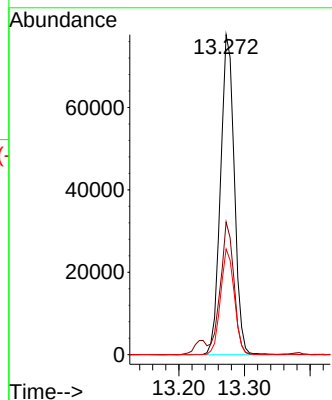
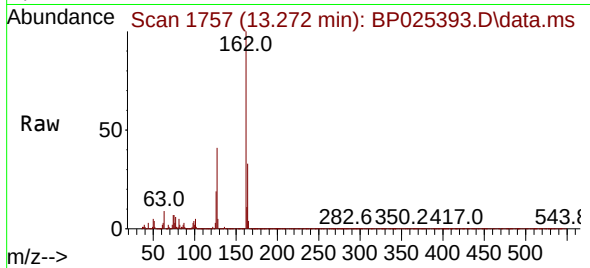




#47
2-Chloronaphthalene
Concen: 5.094 ng
RT: 13.272 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

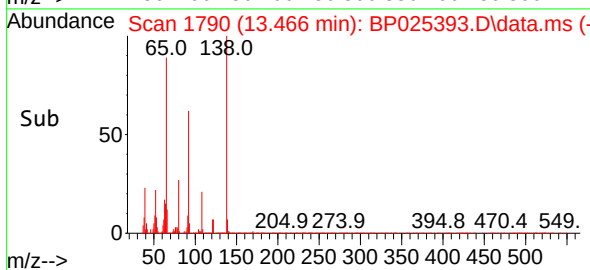
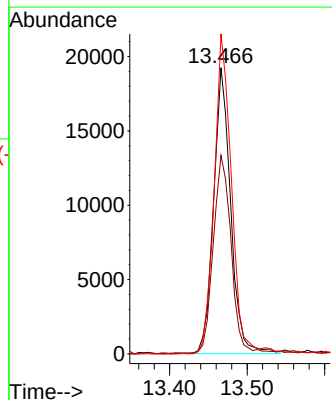
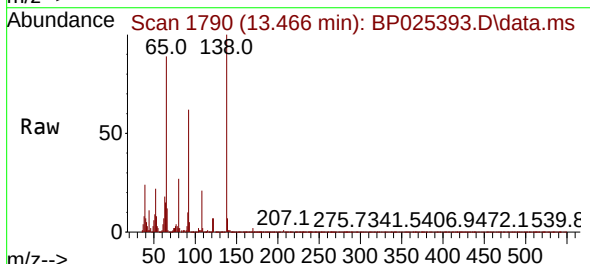
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

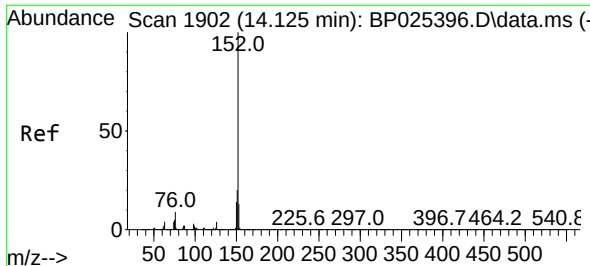
Tgt Ion:162 Resp: 113015
Ion Ratio Lower Upper
162 100
127 41.5 33.4 50.2
164 33.0 26.2 39.2



#48
2-Nitroaniline
Concen: 4.568 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 65 Resp: 29527
Ion Ratio Lower Upper
65 100
92 69.3 57.6 86.4
138 111.8 91.0 136.6

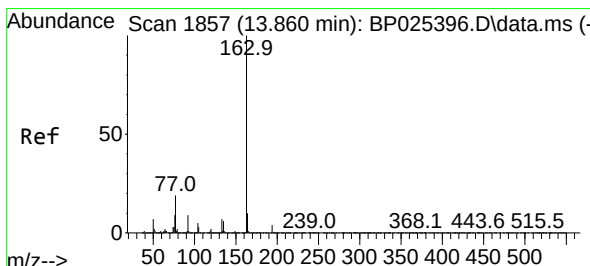
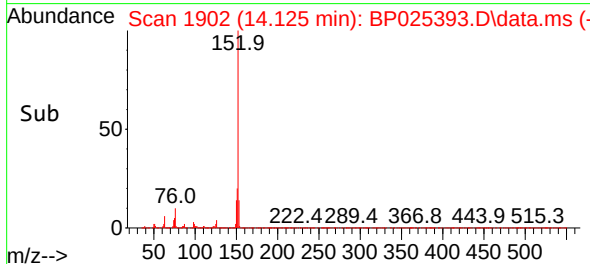
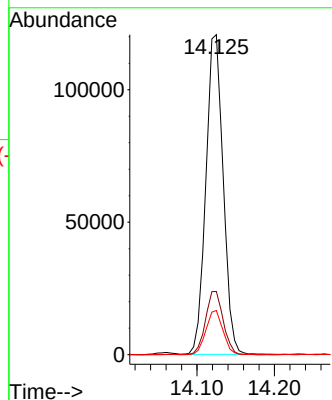
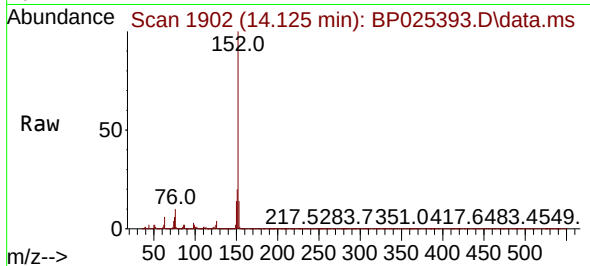




#49
Acenaphthylene
Concen: 5.095 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

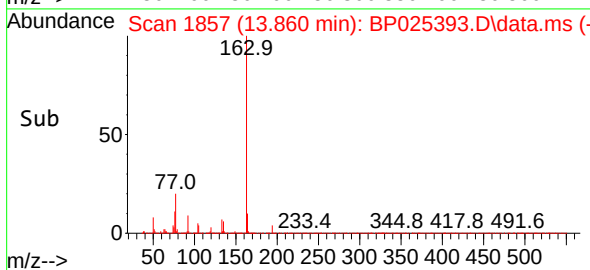
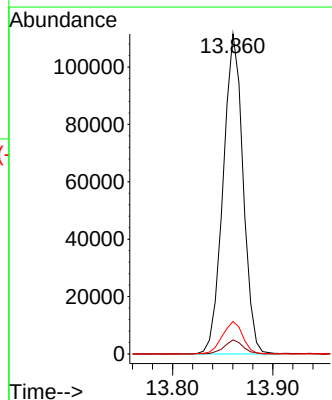
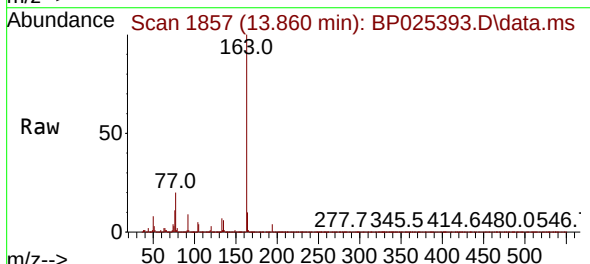
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

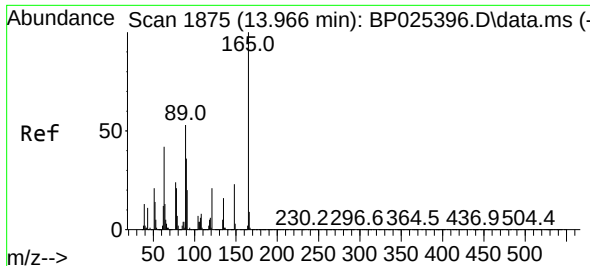
Tgt Ion:	152	Resp:	187026
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.0	24.0
153	13.8	10.6	15.8



#50
Dimethylphthalate
Concen: 5.355 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	163	Resp:	153868
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.0
164	10.1	7.9	11.9

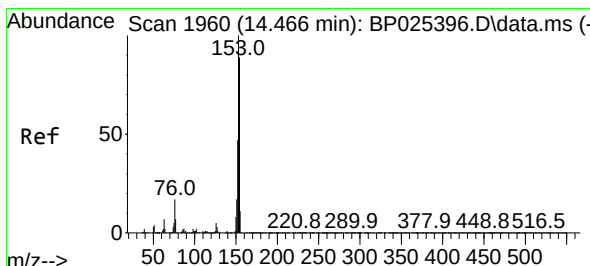
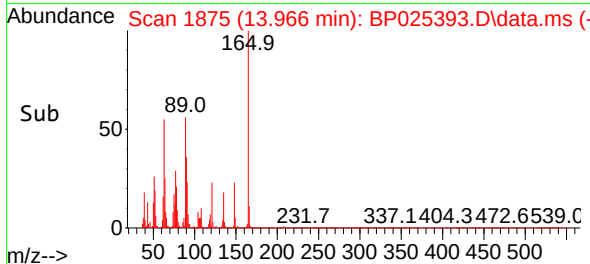
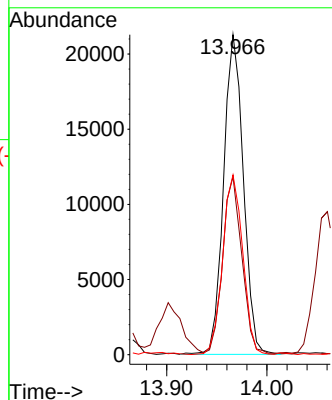
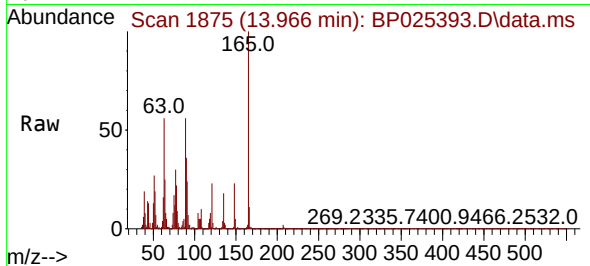




#51
2,6-Dinitrotoluene
Concen: 4.803 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

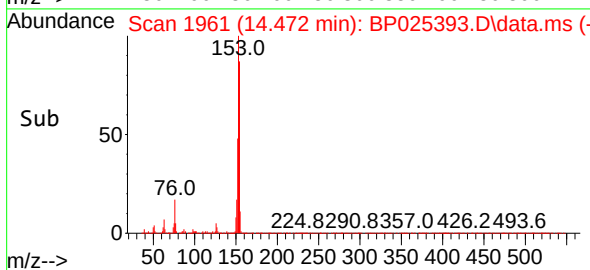
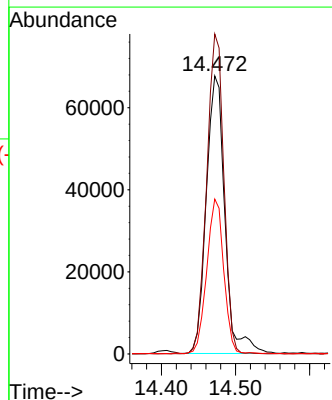
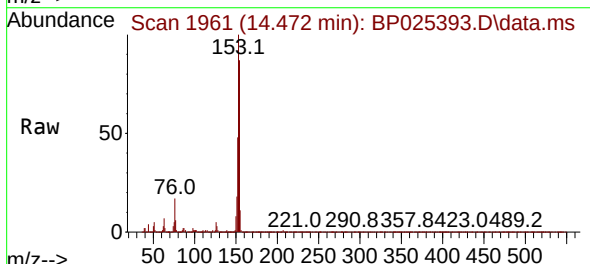
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

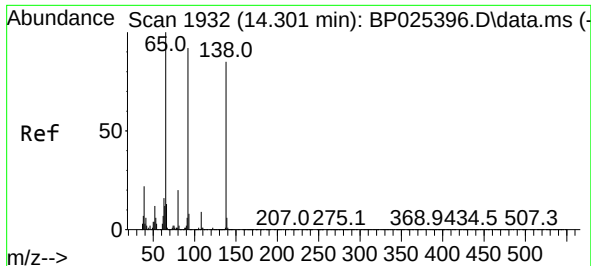
Tgt Ion:	165	Resp:	29088
Ion Ratio	Lower	Upper	
165	100		
63	55.7	40.9	61.3
89	56.2	42.1	63.1



#52
Acenaphthene
Concen: 5.460 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	154	Resp:	117653
Ion Ratio	Lower	Upper	
154	100		
153	115.1	90.2	135.2
152	55.7	42.1	63.1

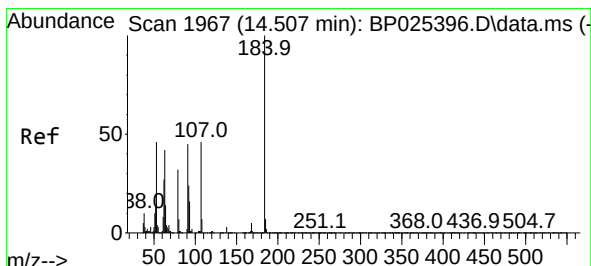
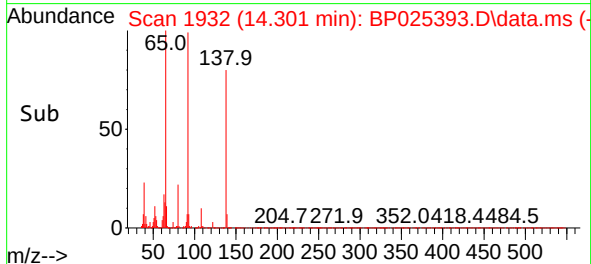
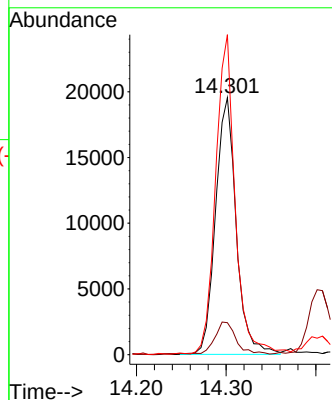
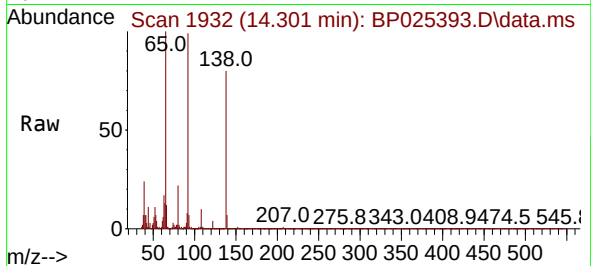




#53
3-Nitroaniline
Concen: 4.583 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

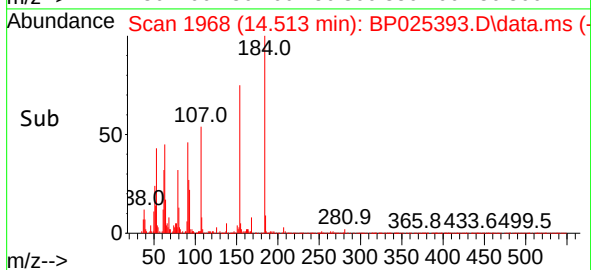
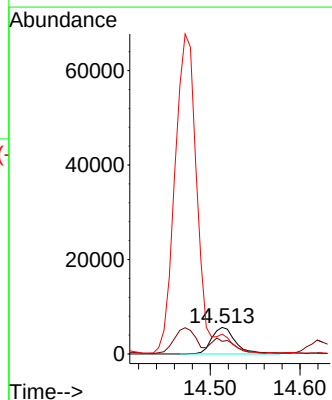
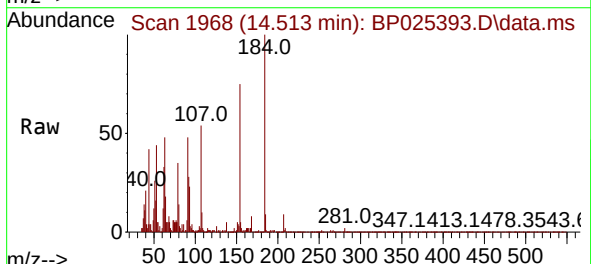
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

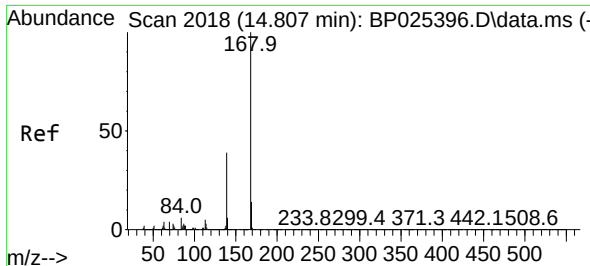
Tgt Ion:138 Resp: 31224
Ion Ratio Lower Upper
138 100
108 12.5 8.3 12.5
92 124.5 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 3.228 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:184 Resp: 10441
Ion Ratio Lower Upper
184 100
63 47.6 49.4 74.2#
154 74.9 54.6 82.0

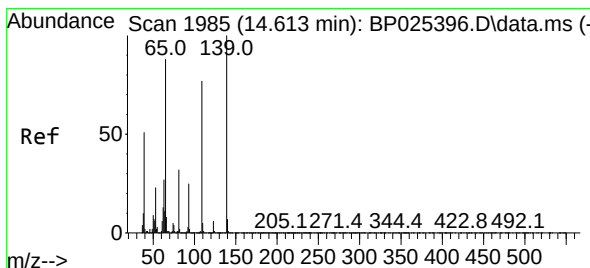
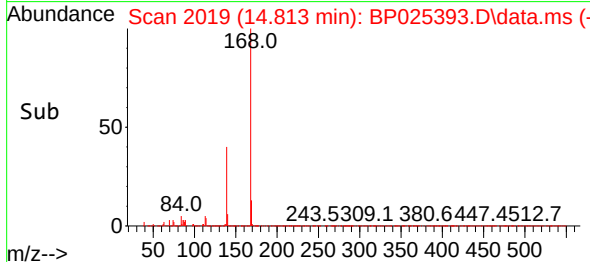
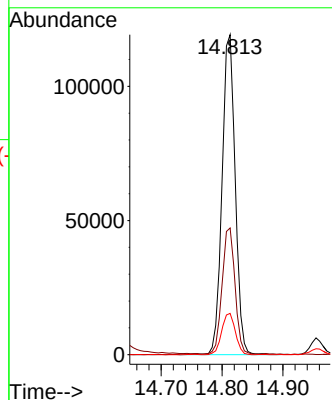
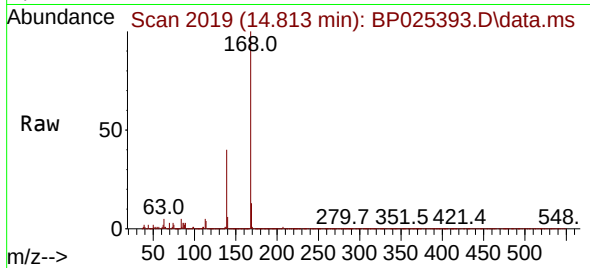




#55
Dibenzofuran
Concen: 5.240 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

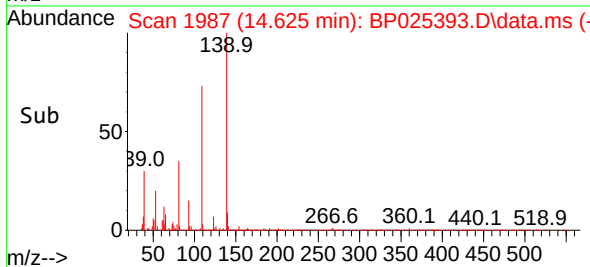
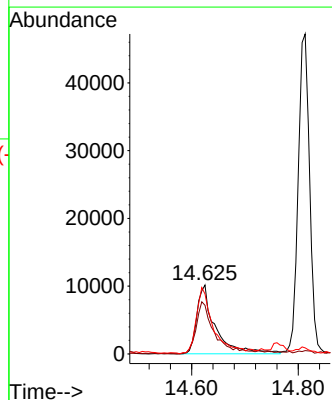
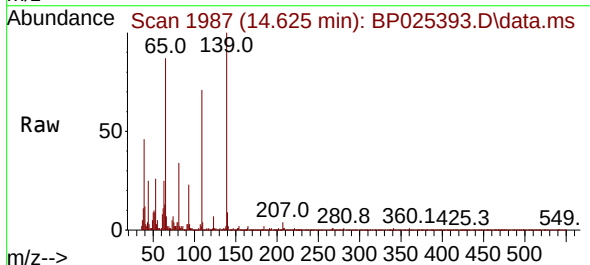
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

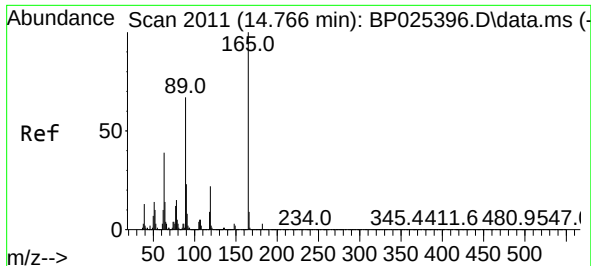
Tgt Ion:168 Resp: 178494
Ion Ratio Lower Upper
168 100
139 39.6 31.5 47.3
169 12.9 10.9 16.3



#56
4-Nitrophenol
Concen: 4.379 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:139 Resp: 24517
Ion Ratio Lower Upper
139 100
109 70.6 56.6 96.6
65 86.9 68.2 108.2

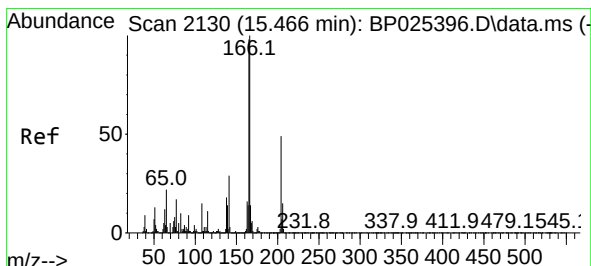
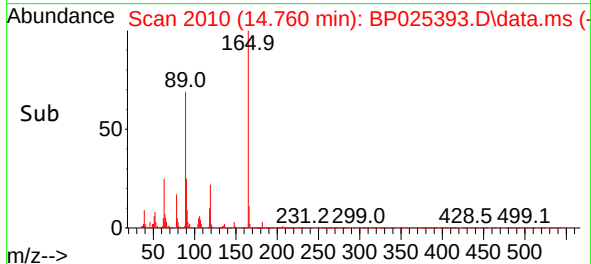
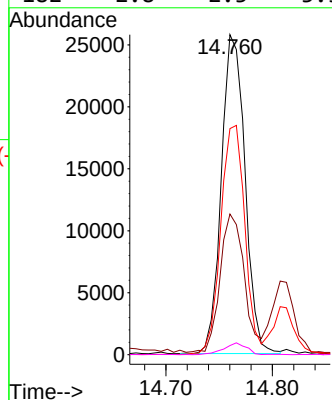
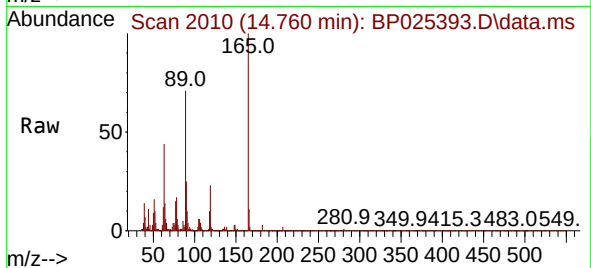




#57
2,4-Dinitrotoluene
Concen: 4.590 ng
RT: 14.760 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

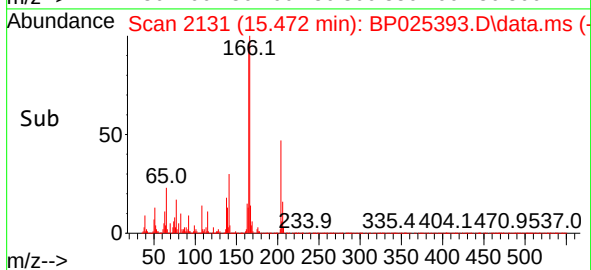
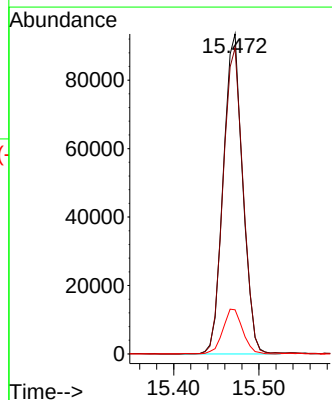
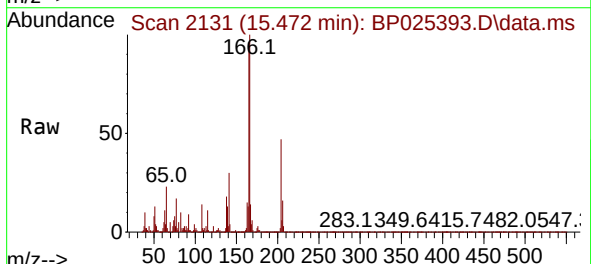
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

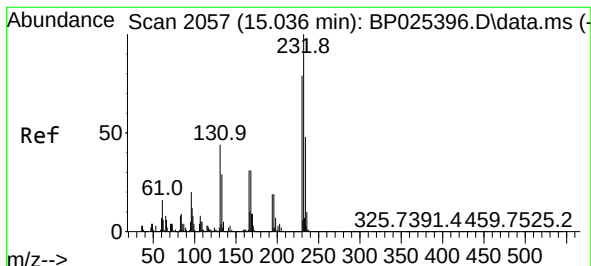
Tgt Ion:	165	Resp:	39658
Ion Ratio	Lower	Upper	
165	100		
63	43.9	31.4	47.2
89	70.6	53.3	79.9
182	2.8	2.3	3.5



#58
Fluorene
Concen: 5.497 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	166	Resp:	147760
Ion Ratio	Lower	Upper	
166	100		
165	95.7	78.8	118.2
167	13.8	11.0	16.4



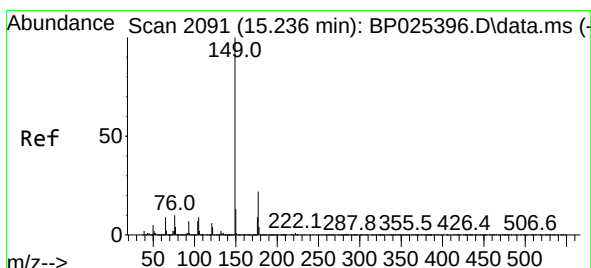
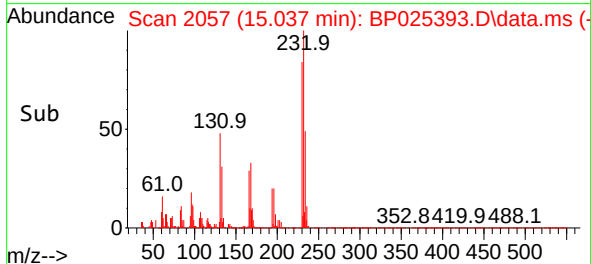
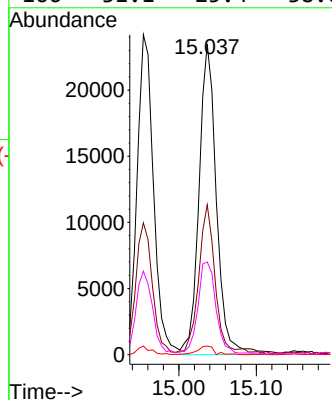
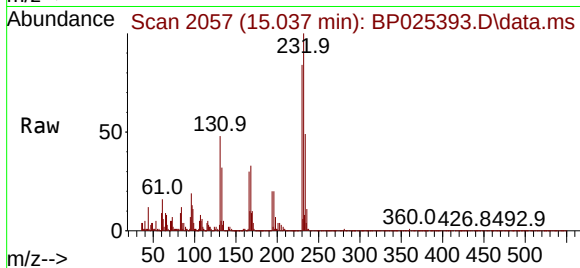


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.968 ng
RT: 15.037 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 36779

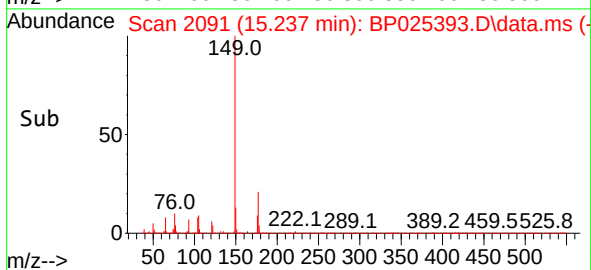
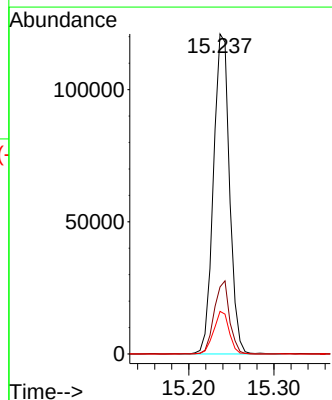
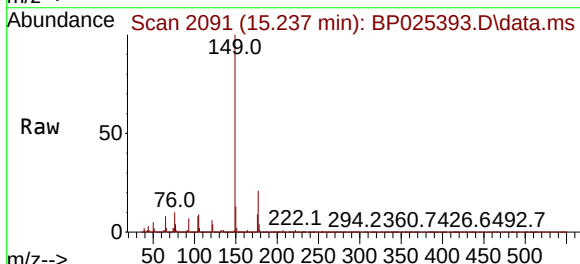
Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.0	55.6
130	2.7	1.9	2.9
166	31.1	25.4	38.0

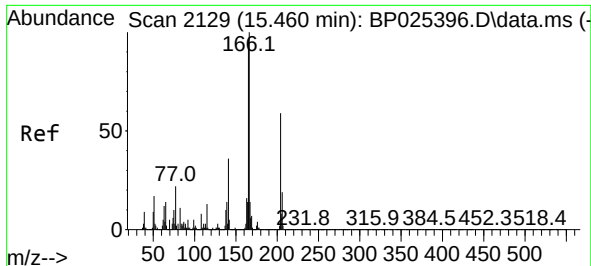


#60
Diethylphthalate
Concen: 5.426 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 158426

Ion	Ratio	Lower	Upper
149	100		
177	20.9	17.3	25.9
150	13.3	10.3	15.5

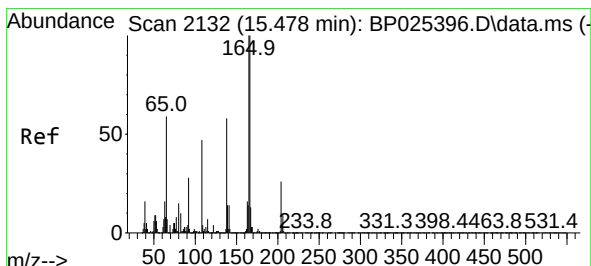
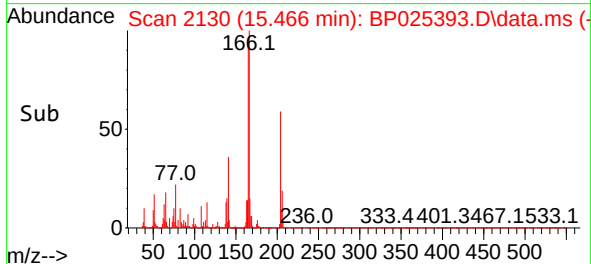
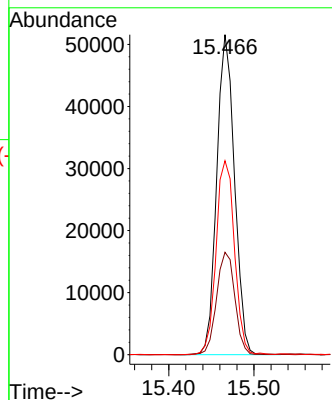
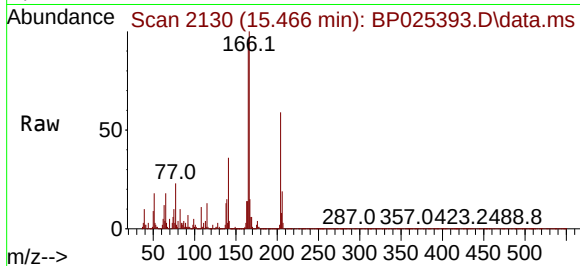




#61
4-Chlorophenyl-phenylether
Concen: 5.583 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

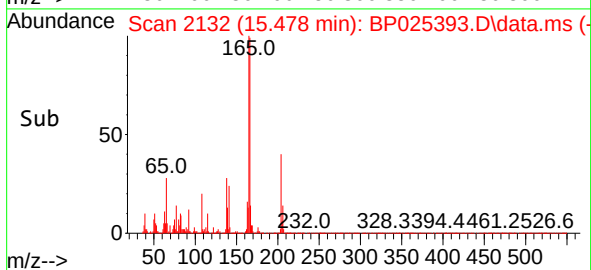
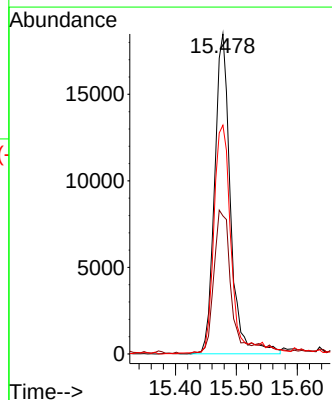
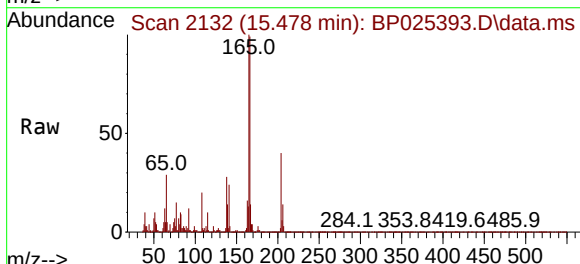
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

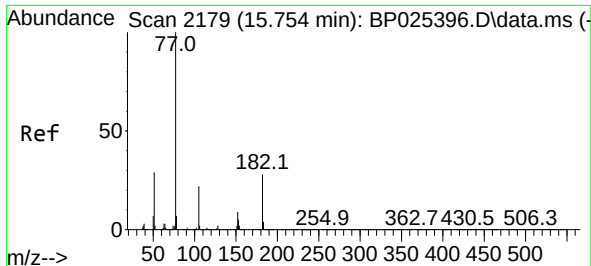
Tgt Ion:204 Resp: 74636
Ion Ratio Lower Upper
204 100
206 32.0 25.8 38.8
141 60.6 49.4 74.2



#62
4-Nitroaniline
Concen: 4.791 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:138 Resp: 33466
Ion Ratio Lower Upper
138 100
92 43.2 29.1 69.1
108 71.5 61.5 101.5

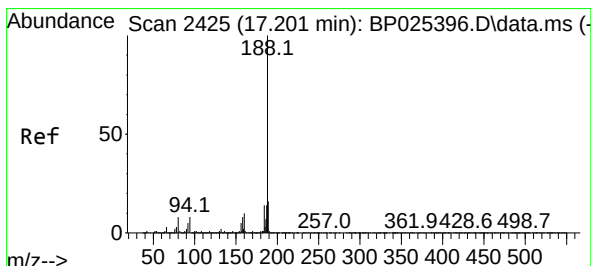
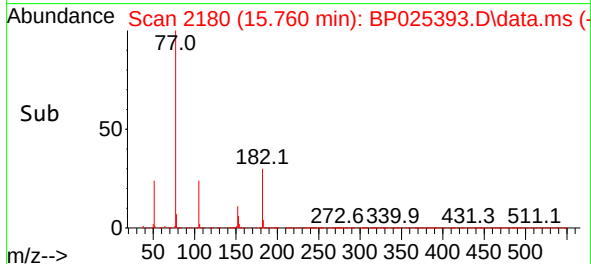
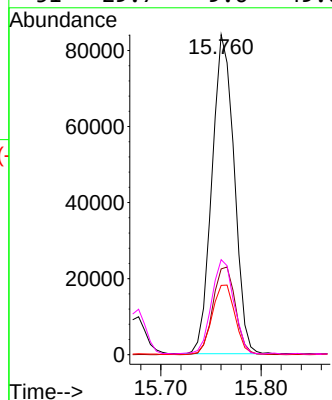
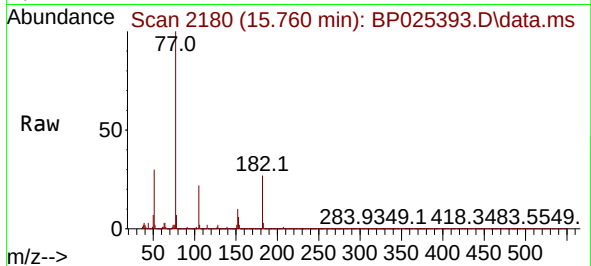




#63
Azobenzene
Concen: 5.159 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

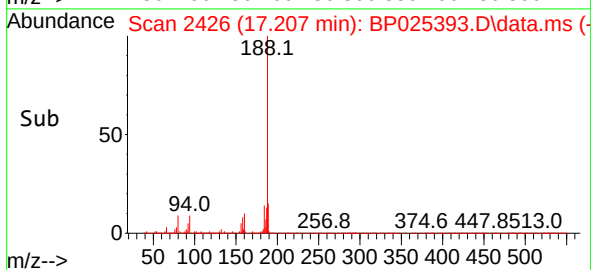
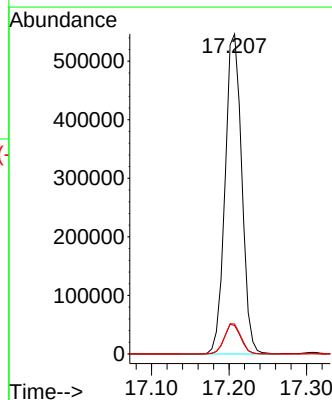
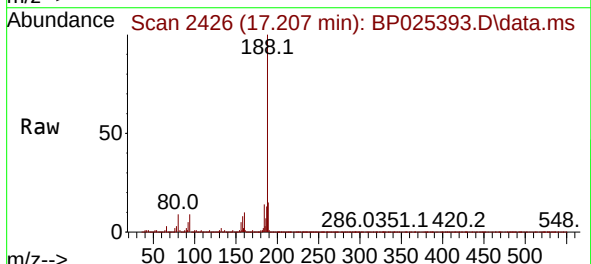
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

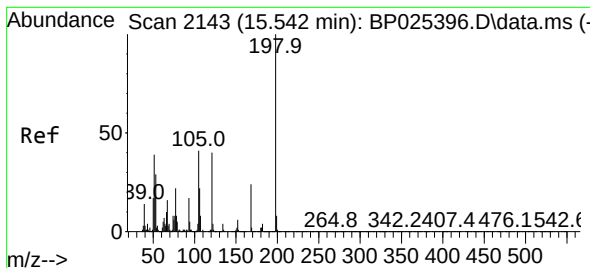
Tgt Ion: 77	Resp: 128978
Ion Ratio	Lower Upper
77	100
182	26.8 7.5 47.5
105	21.6 2.1 42.1
51	29.7 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 188	Resp: 816331
Ion Ratio	Lower Upper
188	100
94	8.9 6.6 10.0
80	9.4 6.7 10.1

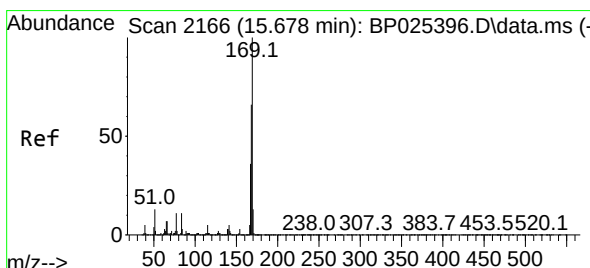
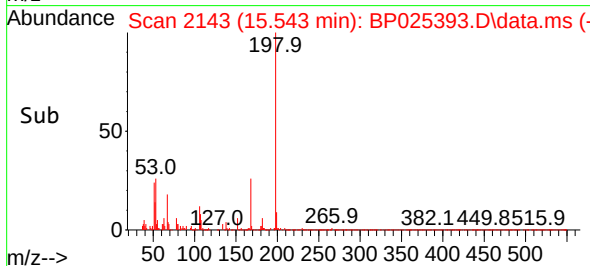
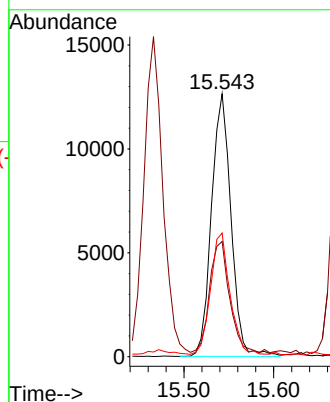
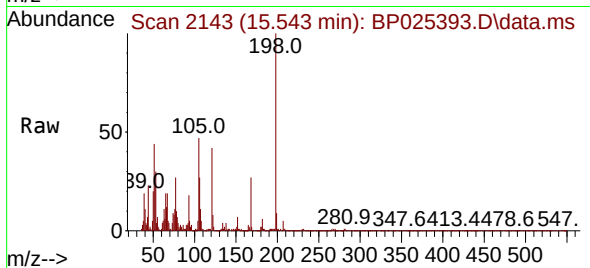




#65
4,6-Dinitro-2-methylphenol
Concen: 3.747 ng
RT: 15.543 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

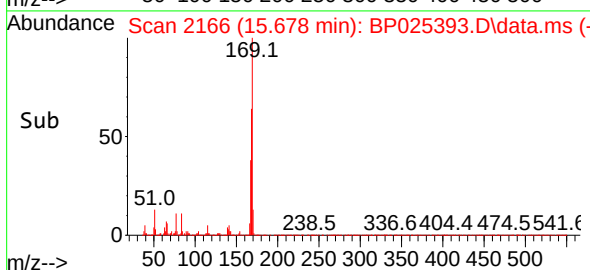
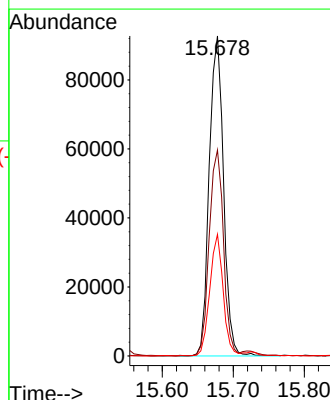
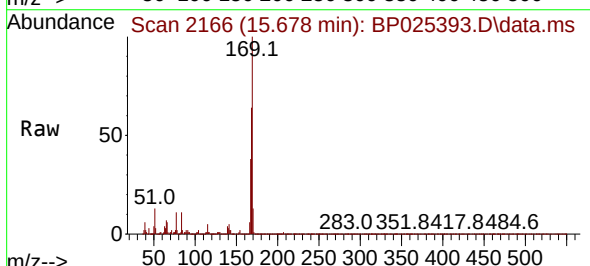
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

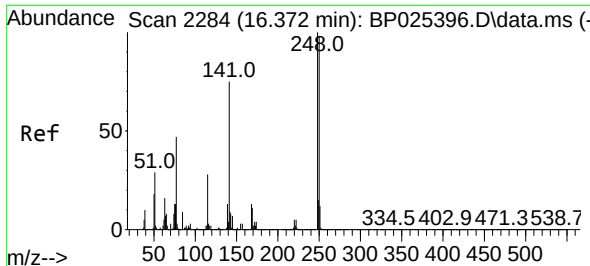
Tgt Ion:	198	Resp:	19069
Ion	Ratio	Lower	Upper
198	100		
51	43.8	19.6	59.6
105	47.0	20.9	60.9



#66
n-Nitrosodiphenylamine
Concen: 5.214 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	169	Resp:	129805
Ion	Ratio	Lower	Upper
169	100		
168	64.3	53.2	79.8
167	38.0	28.7	43.1

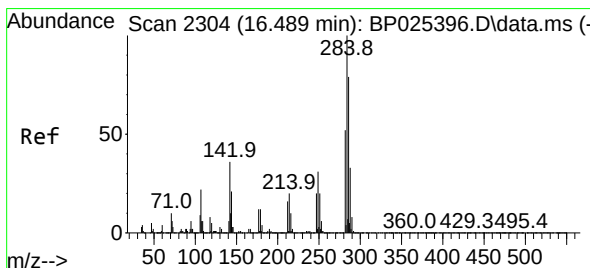
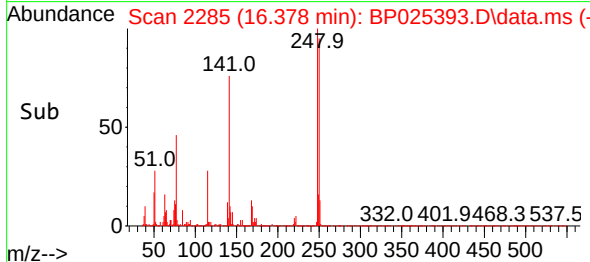
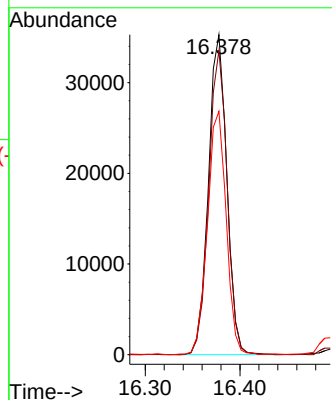
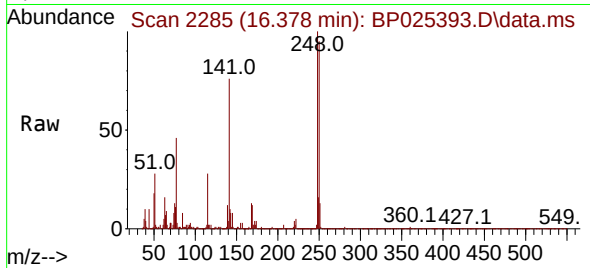




#67
4-Bromophenyl-phenylether
Concen: 5.299 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

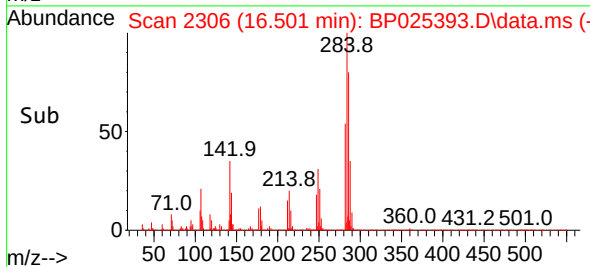
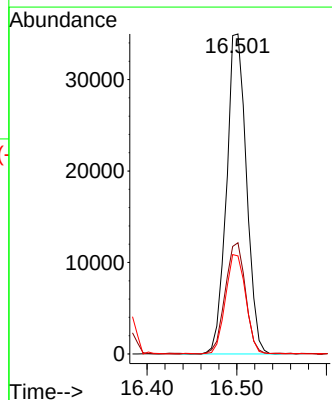
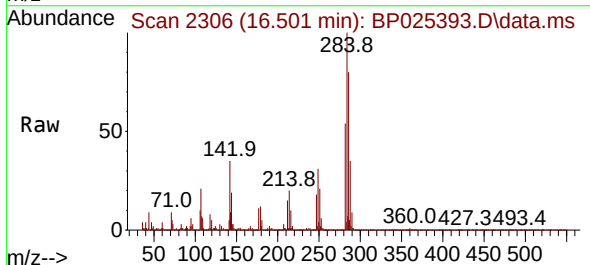
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

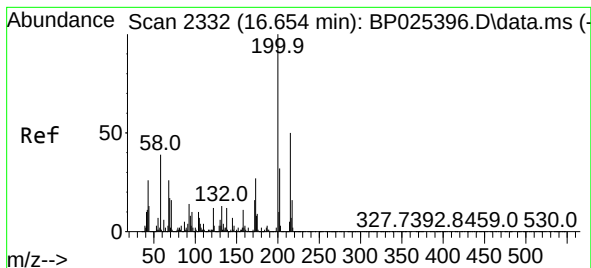
Tgt Ion:	248	Resp:	47579
Ion Ratio	Lower	Upper	
248	100		
250	95.1	78.2	117.2
141	76.0	59.6	89.4



#68
Hexachlorobenzene
Concen: 5.183 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	284	Resp:	53940
Ion Ratio	Lower	Upper	
284	100		
142	34.7	29.1	43.7
249	30.6	25.0	37.4





#69

Atrazine

Concen: 5.015 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDIC005

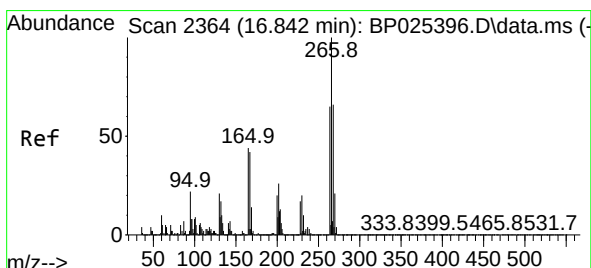
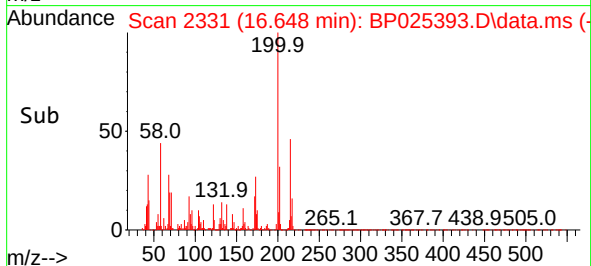
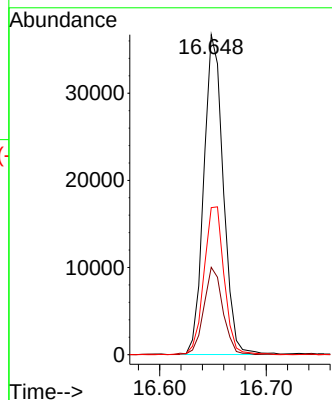
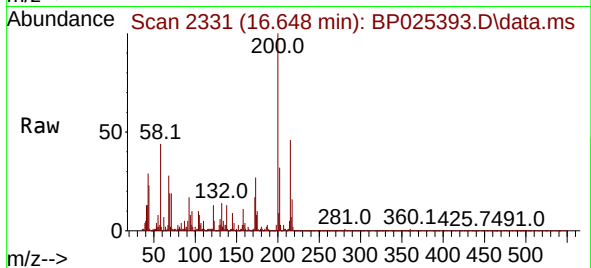
Tgt Ion:200 Resp: 46750

Ion Ratio Lower Upper

200 100

173 27.3 6.7 46.7

215 45.9 29.7 69.7



#70

Pentachlorophenol

Concen: 4.513 ng

RT: 16.854 min Scan# 2366

Delta R.T. 0.012 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

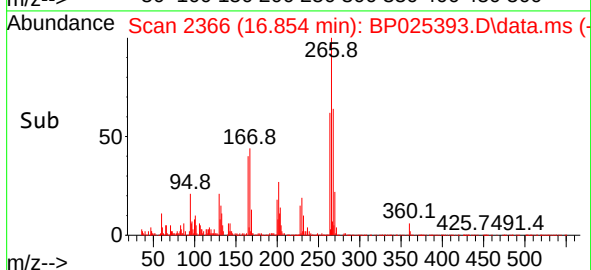
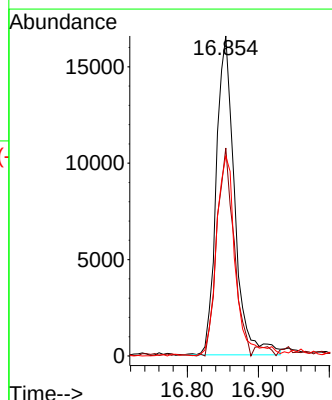
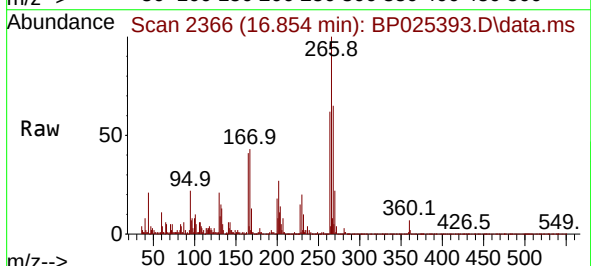
Tgt Ion:266 Resp: 29650

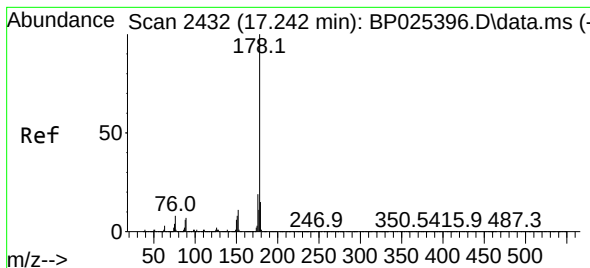
Ion Ratio Lower Upper

266 100

268 70.4 52.6 79.0

264 66.3 52.0 78.0





#71

Phenanthrene

Concen: 5.287 ng

RT: 17.248 min Scan# 2432

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

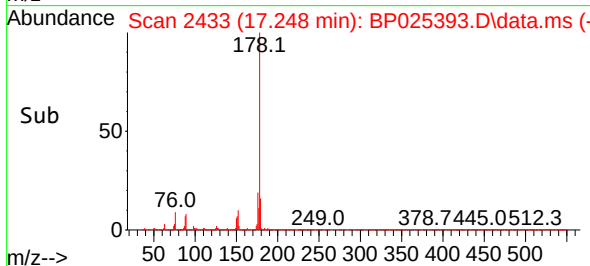
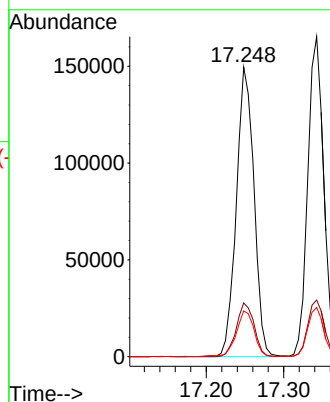
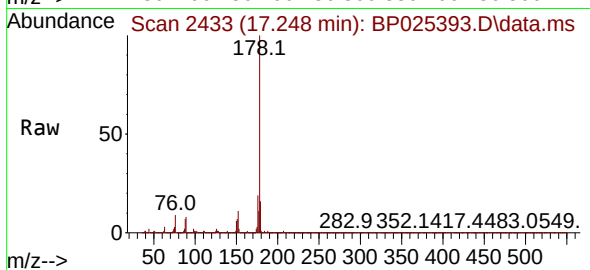
Tgt Ion:178 Resp: 237107

Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

179 15.8 12.2 18.4



#72

Anthracene

Concen: 5.174 ng

RT: 17.342 min Scan# 2449

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

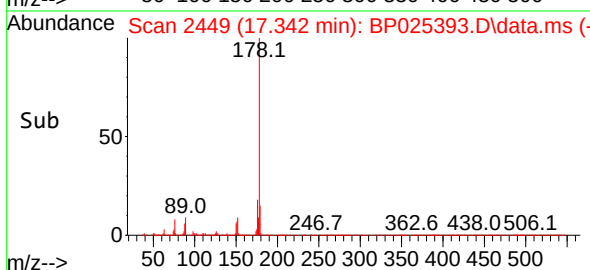
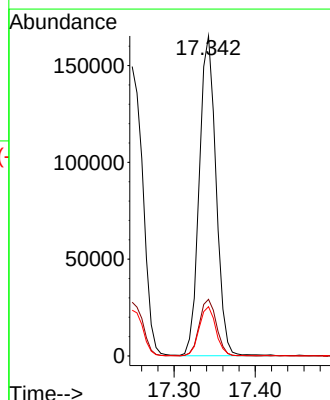
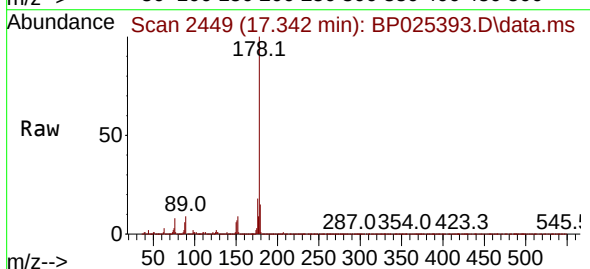
Tgt Ion:178 Resp: 236938

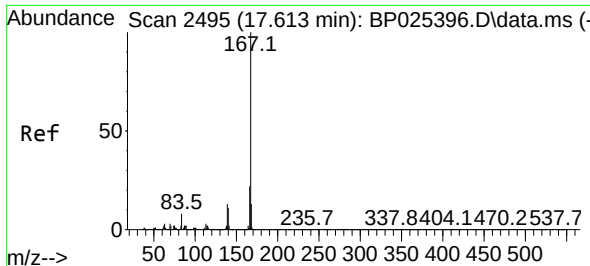
Ion Ratio Lower Upper

178 100

176 17.7 14.7 22.1

179 15.4 12.2 18.2

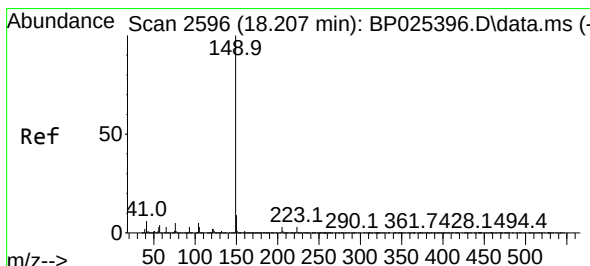
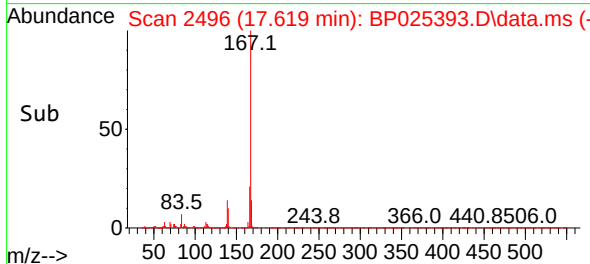
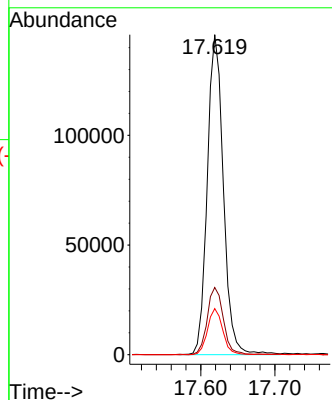
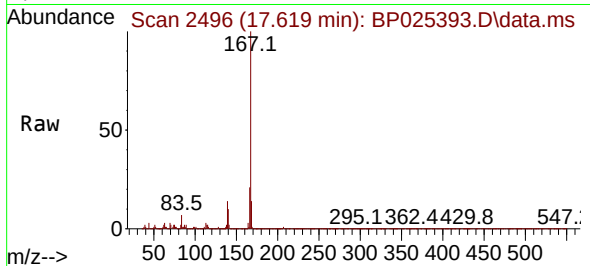




#73
Carbazole
Concen: 5.103 ng
RT: 17.619 min Scan# 2495
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

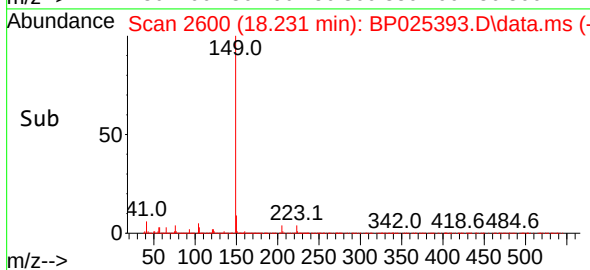
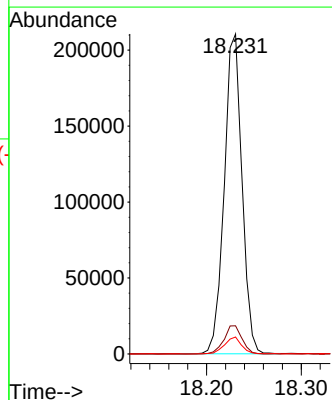
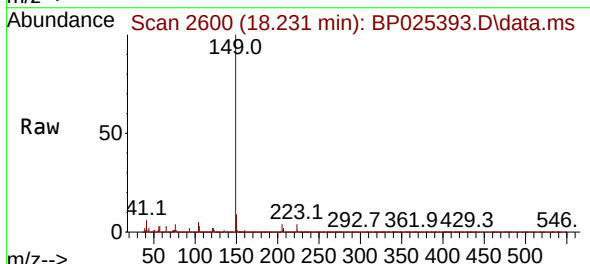
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

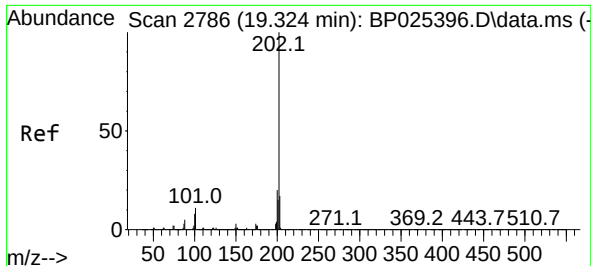
Tgt Ion:167 Resp: 220112
Ion Ratio Lower Upper
167 100
166 21.0 17.5 26.3
139 14.4 10.6 16.0



#74
Di-n-butylphthalate
Concen: 5.172 ng
RT: 18.231 min Scan# 2600
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 274467
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.0
104 5.3 4.2 6.2

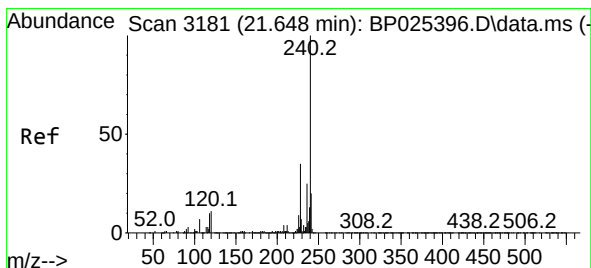
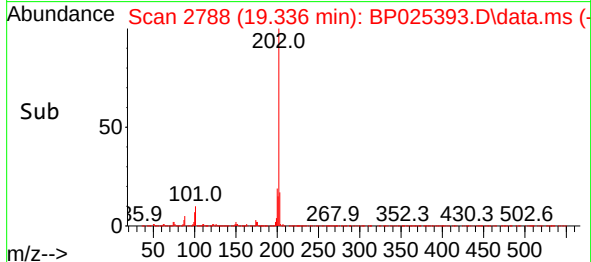
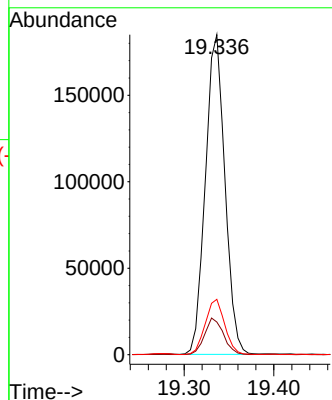
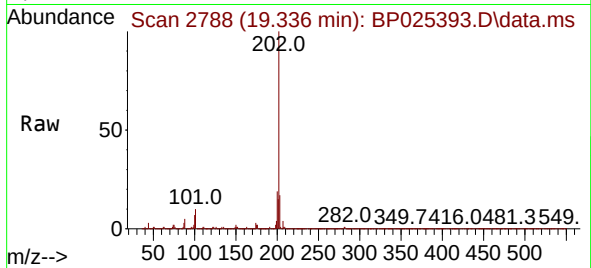




#75
Fluoranthene
Concen: 5.225 ng
RT: 19.336 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

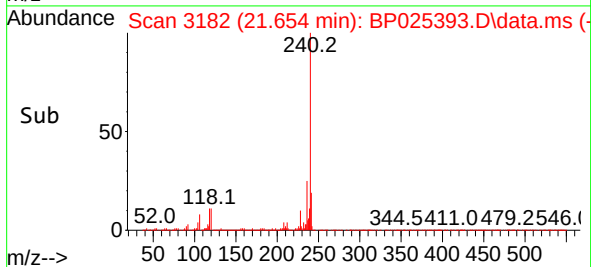
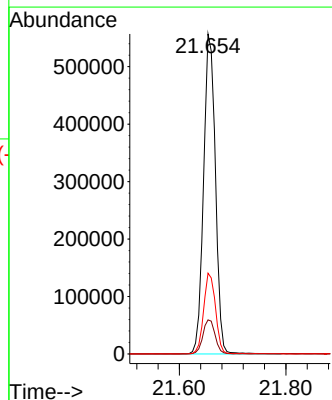
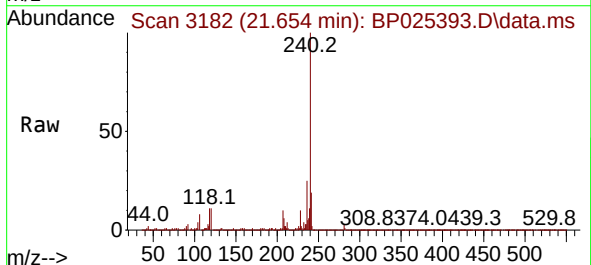
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

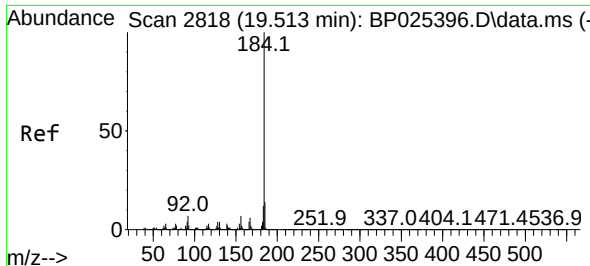
Tgt Ion:202 Resp: 279497
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.1
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:240 Resp: 858165
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 25.2 19.8 29.8

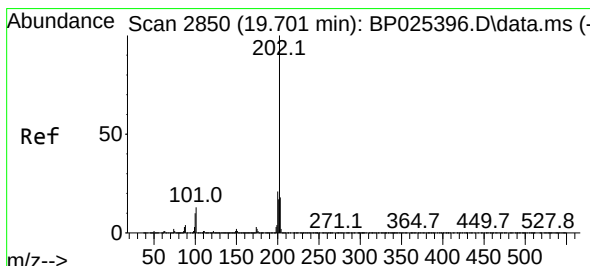
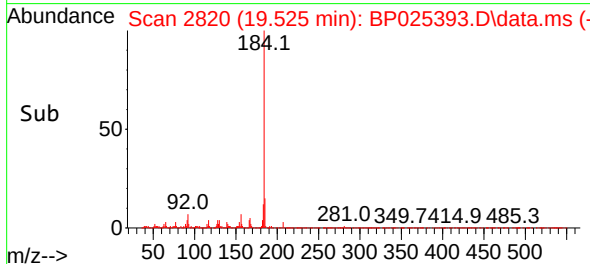
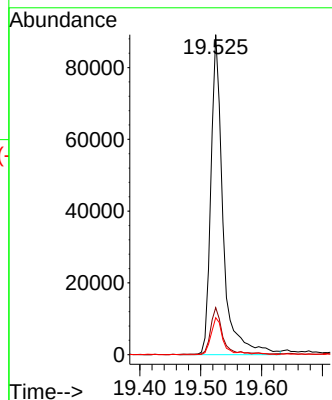
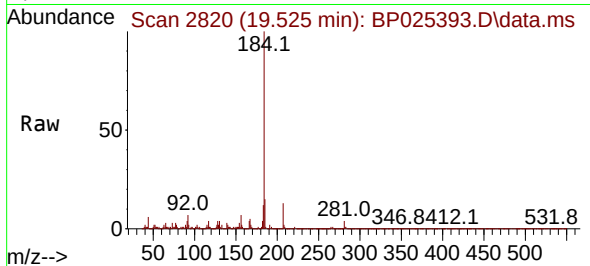




#77
Benzidine
Concen: 4.231 ng
RT: 19.525 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

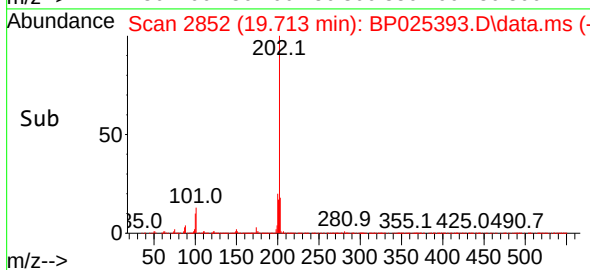
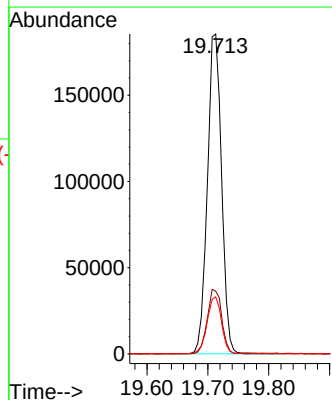
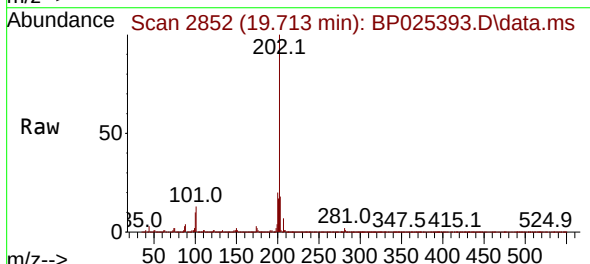
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

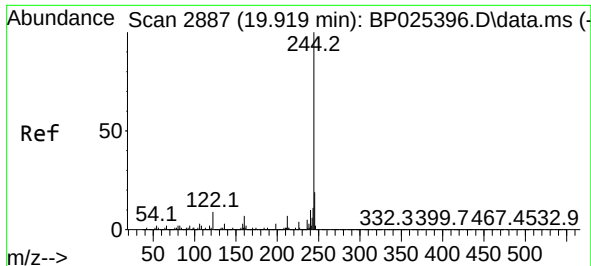
Tgt Ion:	184	Resp:	123915
Ion Ratio	Lower	Upper	
184	100		
185	14.7	11.5	17.3
183	11.6	9.4	14.2



#78
Pyrene
Concen: 5.377 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:	202	Resp:	299922
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.9	25.3
203	17.8	14.2	21.2

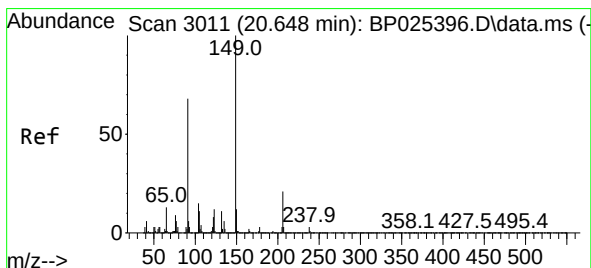
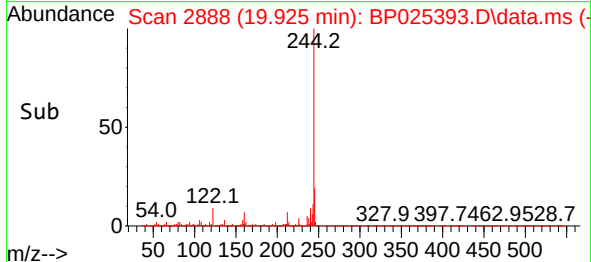
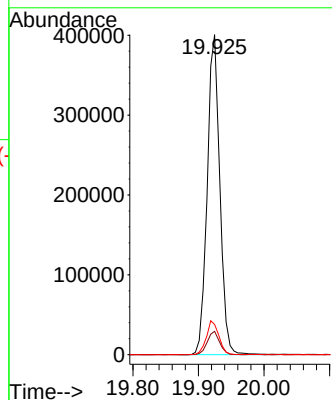
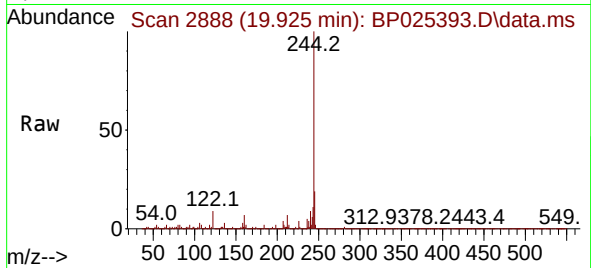




#79
Terphenyl-d14
Concen: 11.428 ng
RT: 19.925 min Scan# 2888
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

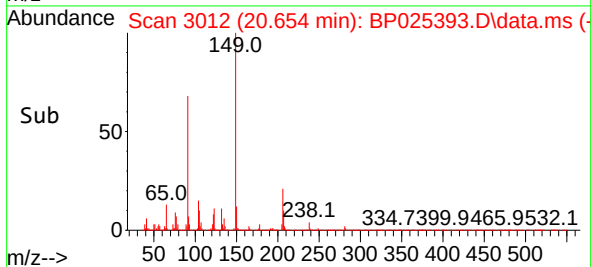
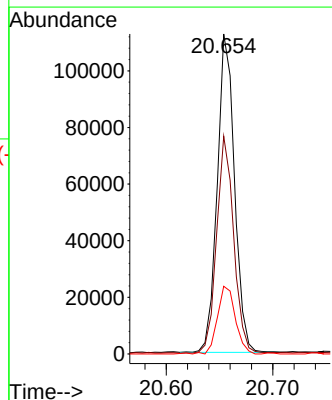
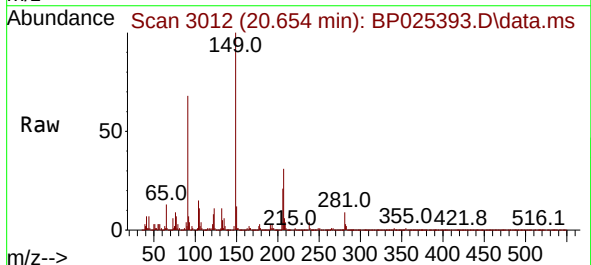
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

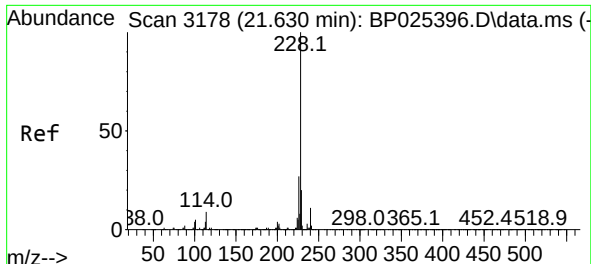
Tgt Ion:244 Resp: 536049
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 9.5 7.4 11.2



#80
Butylbenzylphthalate
Concen: 4.997 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 126321
Ion Ratio Lower Upper
149 100
91 68.0 54.2 81.2
206 21.1 16.6 24.8



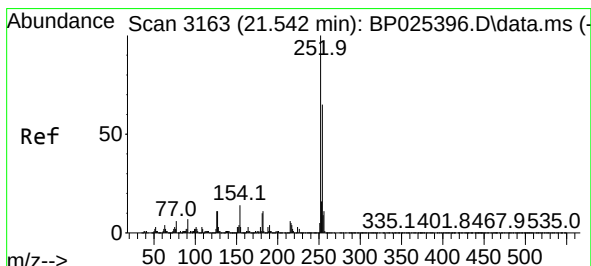
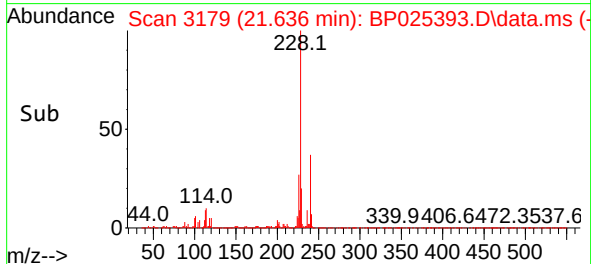
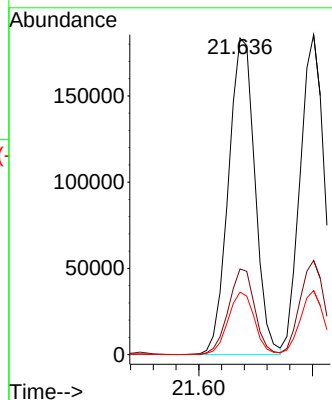
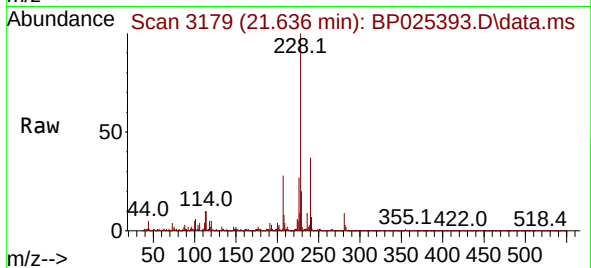


#81
Benzo(a)anthracene
Concen: 5.245 ng
RT: 21.636 min Scan# 3179
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 296847

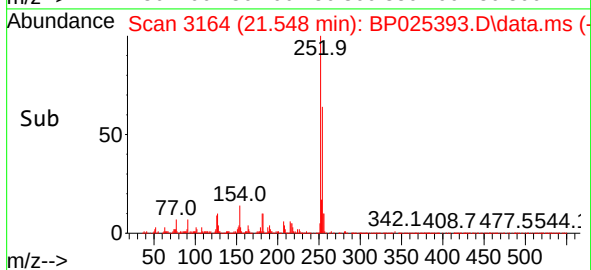
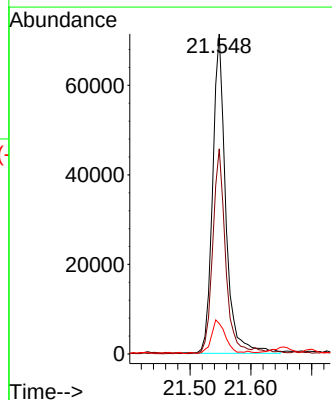
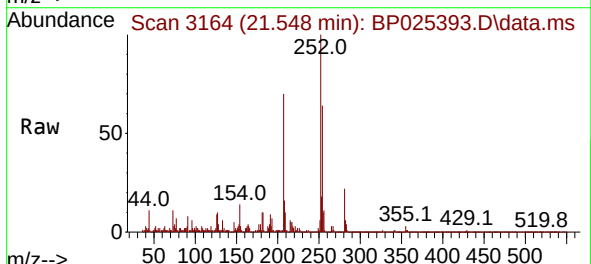
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.8	15.6	23.4

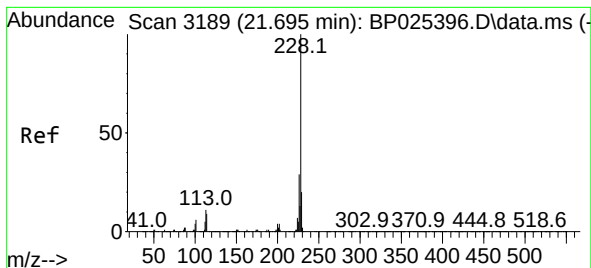


#82
3,3'-Dichlorobenzidine
Concen: 5.009 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 106858

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	9.5	9.1	13.7





#83

Chrysene

Concen: 5.229 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

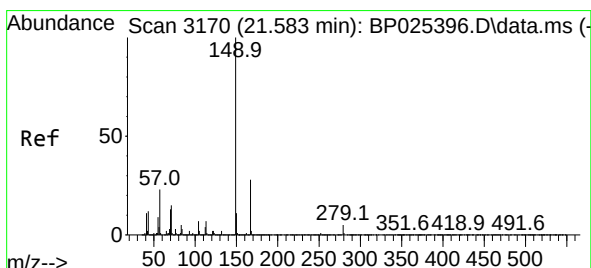
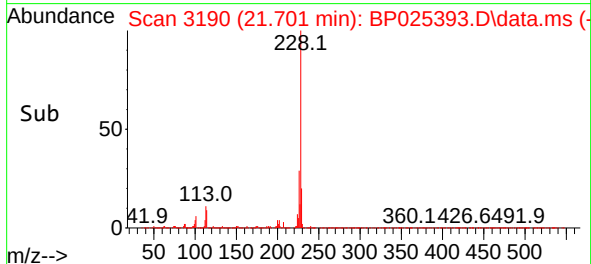
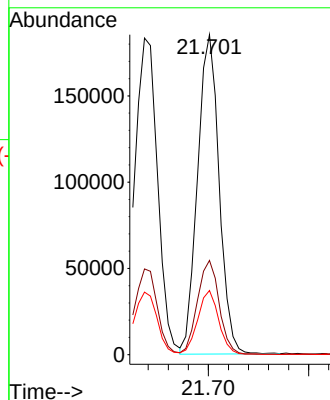
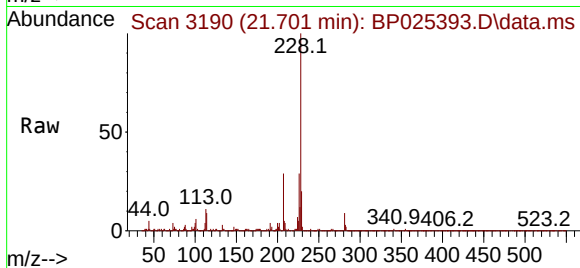
Tgt Ion:228 Resp: 277175

Ion Ratio Lower Upper

228 100

226 29.5 23.2 34.8

229 20.0 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.228 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

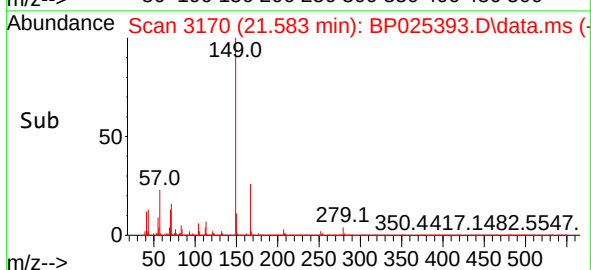
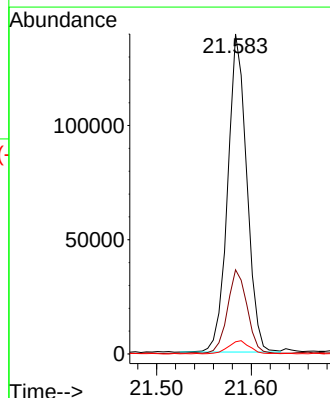
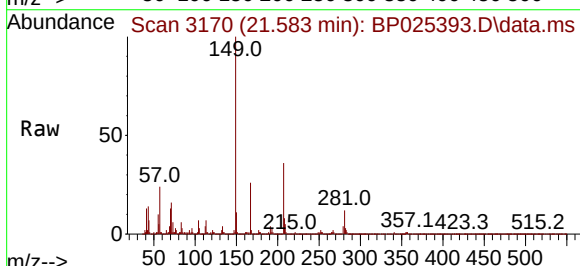
Tgt Ion:149 Resp: 194541

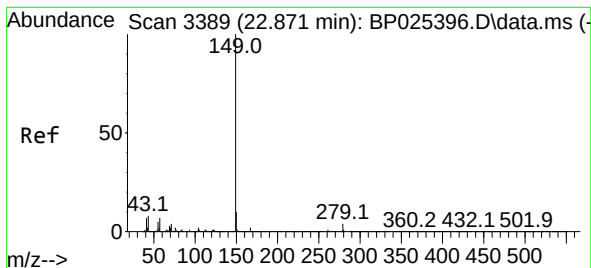
Ion Ratio Lower Upper

149 100

167 26.3 22.1 33.1

279 3.8 3.8 5.6

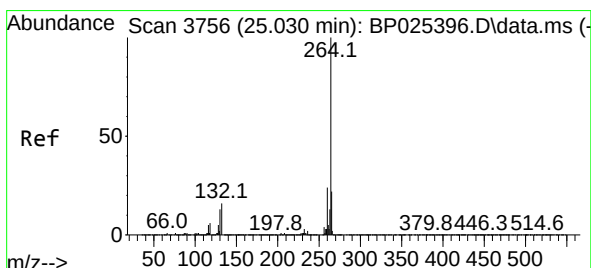
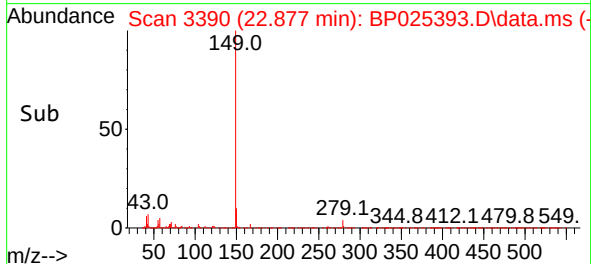
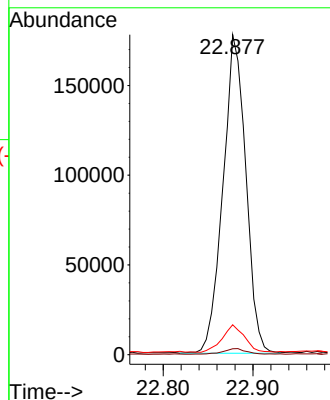
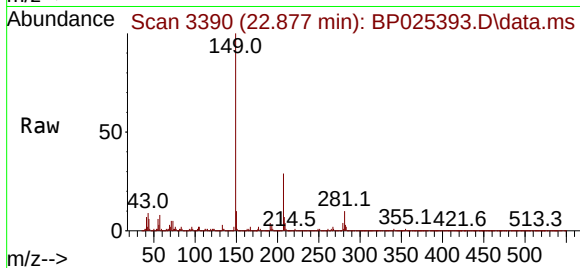




#85
Di-n-octyl phthalate
Concen: 4.898 ng
RT: 22.877 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

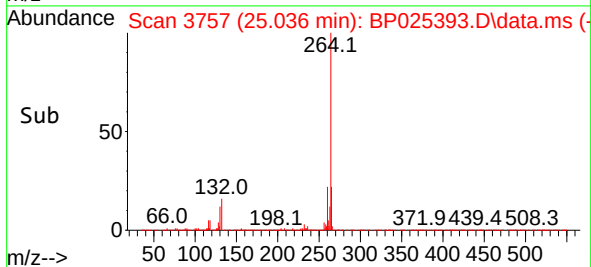
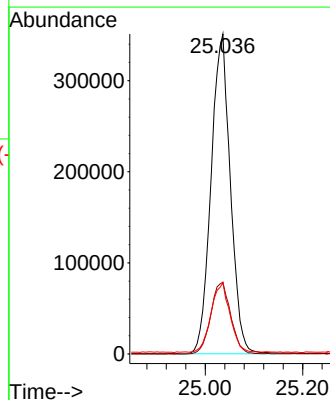
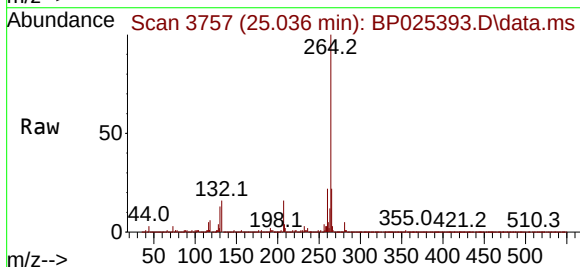
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

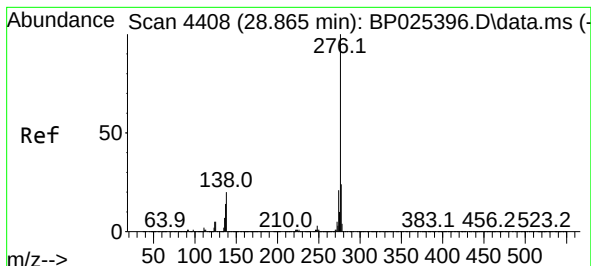
Tgt Ion:149 Resp: 313503
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.4 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:264 Resp: 963881
Ion Ratio Lower Upper
264 100
260 22.5 19.3 28.9
265 22.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.956 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

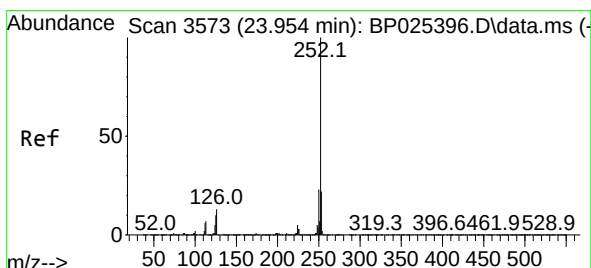
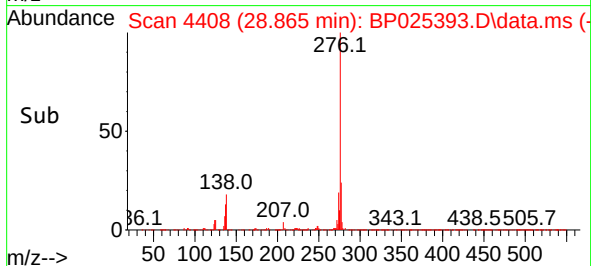
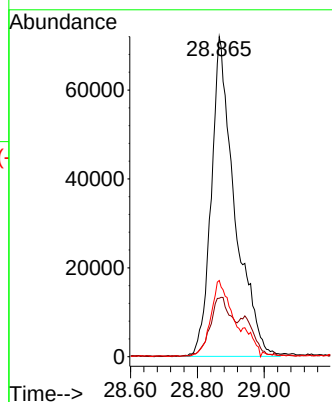
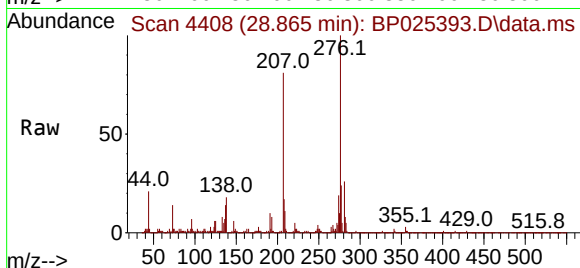
Tgt Ion:276 Resp: 350414

Ion Ratio Lower Upper

276 100

138 17.1 12.9 19.3

277 20.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 5.099 ng

RT: 23.960 min Scan# 3574

Delta R.T. 0.006 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

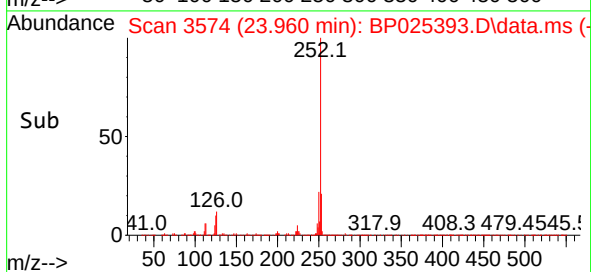
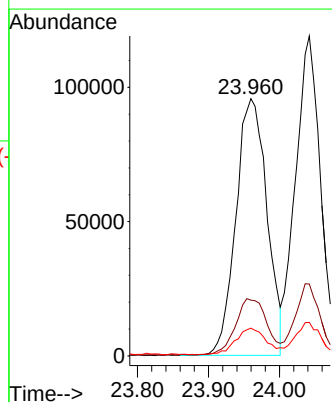
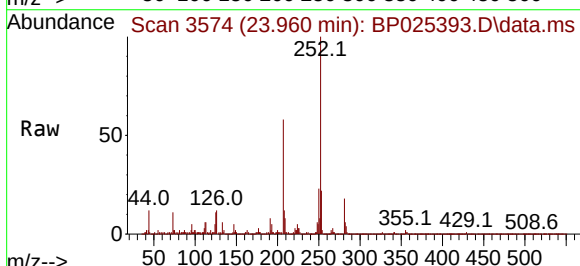
Tgt Ion:252 Resp: 289797

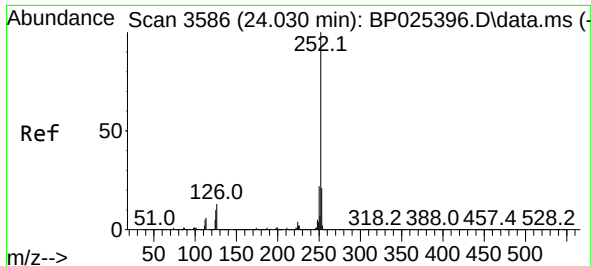
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 10.8 7.9 11.9

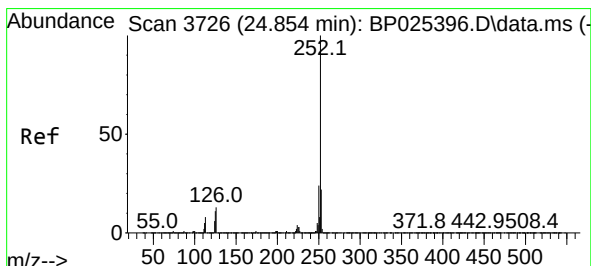
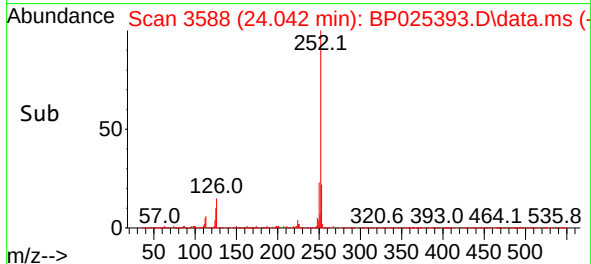
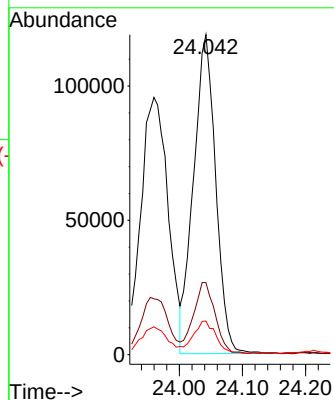
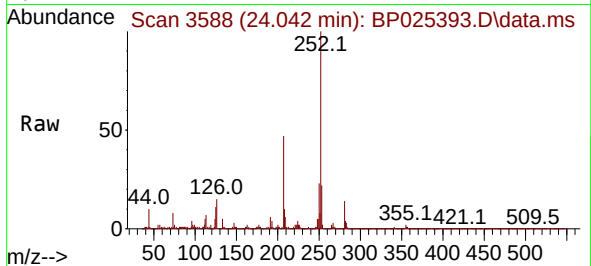




#89
Benzo(k)fluoranthene
Concen: 5.091 ng
RT: 24.042 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

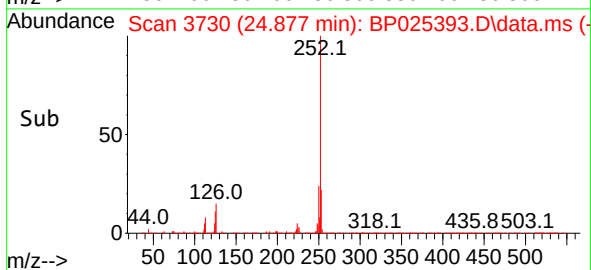
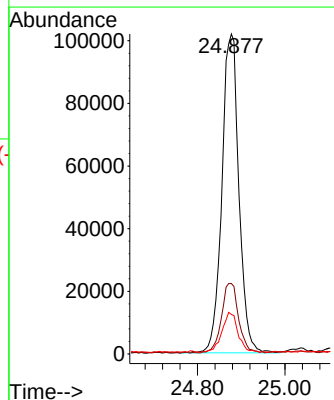
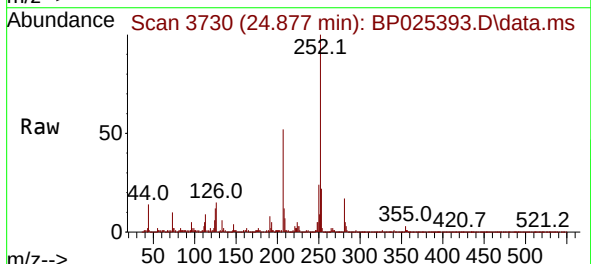
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

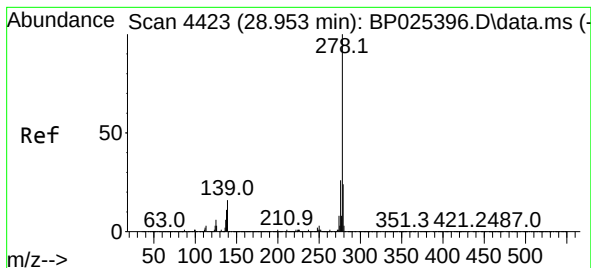
Tgt Ion:252 Resp: 289556
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 10.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 4.960 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 274440
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 12.4 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 4.924 ng

RT: 28.942 min Scan# 4421

Delta R.T. -0.012 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

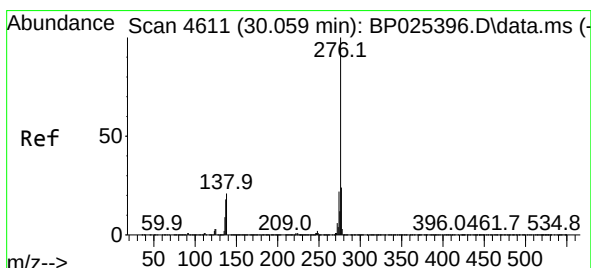
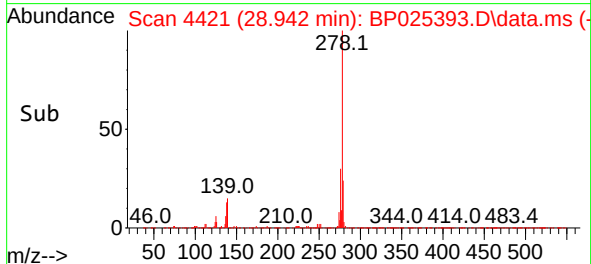
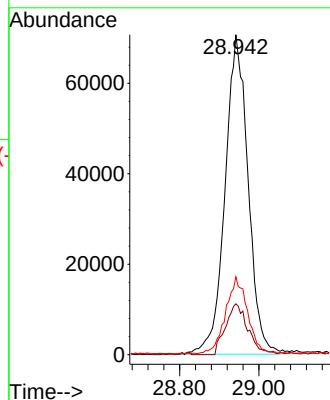
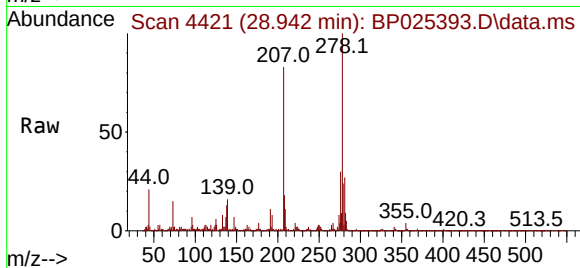
Tgt Ion:278 Resp: 284440

Ion Ratio Lower Upper

278 100

139 15.9 13.0 19.4

279 24.3 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 4.931 ng

RT: 30.036 min Scan# 4607

Delta R.T. -0.023 min

Lab File: BP025393.D

Acq: 14 Aug 2025 13:15

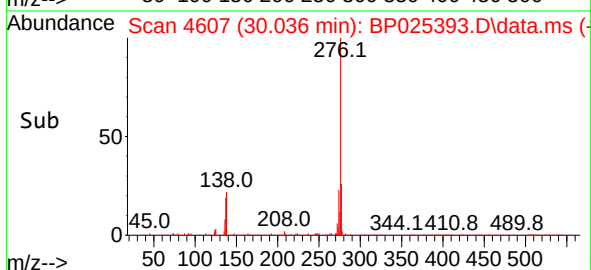
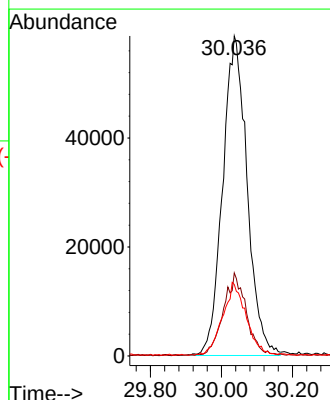
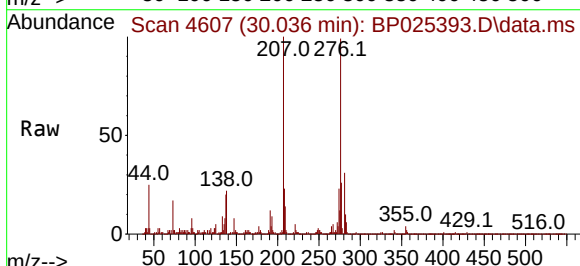
Tgt Ion:276 Resp: 279987

Ion Ratio Lower Upper

276 100

277 26.0 19.4 29.0

138 22.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025394.D
 Acq On : 14 Aug 2025 13:56
 Operator : CG/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 14 17:53:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137852	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	563995	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	383199	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	780940	20.000	ng	0.00
76) Chrysene-d12	21.648	240	860386	20.000	ng	0.00
86) Perylene-d12	25.036	264	980670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	162289	19.551	ng	0.00
7) Phenol-d6	6.966	99	202204	19.000	ng	0.00
23) Nitrobenzene-d5	8.931	82	212236	19.036	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	99083	19.210	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	568359	20.271	ng	0.00
79) Terphenyl-d14	19.924	244	946422	20.125	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.331	88	31948	9.826	ng	98
3) Pyridine	3.731	79	86156	9.681	ng	100
4) n-Nitrosodimethylamine	3.637	42	35519	9.681	ng	# 99
6) Aniline	7.125	93	135217	9.430	ng	99
8) 2-Chlorophenol	7.366	128	88413	9.439	ng	98
9) Benzaldehyde	6.943	77	68523	9.190	ng	96
10) Phenol	6.996	94	105394	9.438	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	81541	9.368	ng	98
12) 1,3-Dichlorobenzene	7.684	146	98782	9.564	ng	98
13) 1,4-Dichlorobenzene	7.825	146	102729	9.731	ng	98
14) 1,2-Dichlorobenzene	8.143	146	98589	9.647	ng	98
15) Benzyl Alcohol	8.025	79	78411	9.273	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	109744	9.412	ng	99
17) 2-Methylphenol	8.231	107	70991	9.153	ng	98
18) Hexachloroethane	8.866	117	37473	9.654	ng	98
19) n-Nitroso-di-n-propyla...	8.584	70	66105	9.366	ng	99
20) 3+4-Methylphenols	8.549	107	99382	9.244	ng	97
22) Acetophenone	8.602	105	137361	9.712	ng	# 98
24) Nitrobenzene	8.972	77	96502	9.685	ng	97
25) Isophorone	9.502	82	189510	9.604	ng	99
26) 2-Nitrophenol	9.678	139	45860	8.968	ng	96
27) 2,4-Dimethylphenol	9.737	122	85465	9.718	ng	98
28) bis(2-Chloroethoxy)met...	9.972	93	114635	9.611	ng	99
29) 2,4-Dichlorophenol	10.213	162	82676	9.464	ng	97
30) 1,2,4-Trichlorobenzene	10.431	180	92664	9.676	ng	94
31) Naphthalene	10.613	128	287754	9.816	ng	99
32) Benzoic acid	9.825	122	44404	6.856	ng	93
33) 4-Chloroaniline	10.713	127	122647	9.472	ng	98
34) Hexachlorobutadiene	10.901	225	57821	9.695	ng	97
35) Caprolactam	11.472	113	32038	10.001	ng	93
36) 4-Chloro-3-methylphenol	11.837	107	94538	9.431	ng	97
37) 2-Methylnaphthalene	12.219	142	184172	9.654	ng	100
38) 1-Methylnaphthalene	12.437	142	199160	9.817	ng	97
40) 1,2,4,5-Tetrachloroben...	12.590	216	107104	9.678	ng	99
41) Hexachlorocyclopentadiene	12.572	237	52588	7.867	ng	97
43) 2,4,6-Trichlorophenol	12.831	196	69780	9.339	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025394.D
 Acq On : 14 Aug 2025 13:56
 Operator : CG/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

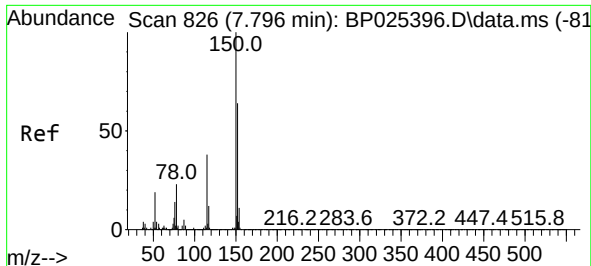
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 BNA_P
 ClientSampleId :
 SSTDICC010

Quant Time: Aug 14 17:53:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	73744	9.006	ng	98
46) 1,1'-Biphenyl	13.237	154	271710	9.763	ng	98
47) 2-Chloronaphthalene	13.272	162	209419	9.666	ng	99
48) 2-Nitroaniline	13.466	65	58630	9.287	ng	97
49) Acenaphthylene	14.119	152	346021	9.652	ng	99
50) Dimethylphthalate	13.860	163	277701	9.896	ng	99
51) 2,6-Dinitrotoluene	13.972	165	54957	9.292	ng	96
52) Acenaphthene	14.472	154	218284	10.373	ng	98
53) 3-Nitroaniline	14.301	138	62991	9.466	ng	93
54) 2,4-Dinitrophenol	14.513	184	21748	6.886	ng	99
55) Dibenzofuran	14.807	168	327734	9.851	ng	100
56) 4-Nitrophenol	14.625	139	48103	8.797	ng	97
57) 2,4-Dinitrotoluene	14.766	165	77950	9.237	ng	100
58) Fluorene	15.472	166	266610	10.156	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.042	232	68931	9.533	ng	99
60) Diethylphthalate	15.242	149	282526	9.909	ng	98
61) 4-Chlorophenyl-phenyle...	15.466	204	131137	10.044	ng	99
62) 4-Nitroaniline	15.478	138	64375	9.437	ng	99
63) Azobenzene	15.766	77	234879	9.620	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	37380	7.679	ng	97
66) n-Nitrosodiphenylamine	15.684	169	235344	9.883	ng	100
67) 4-Bromophenyl-phenylether	16.384	248	80373	9.358	ng	98
68) Hexachlorobenzene	16.501	284	98614	9.905	ng	96
69) Atrazine	16.660	200	88240	9.894	ng	98
70) Pentachlorophenol	16.854	266	52539	8.360	ng	97
71) Phenanthrene	17.248	178	429752	10.018	ng	99
72) Anthracene	17.348	178	438953	10.020	ng	100
73) Carbazole	17.619	167	410726	9.954	ng	99
74) Di-n-butylphthalate	18.219	149	490232	9.656	ng	99
75) Fluoranthene	19.330	202	516523	10.094	ng	99
77) Benzidine	19.525	184	276193	9.406	ng	99
78) Pyrene	19.707	202	542670	9.704	ng	100
80) Butylbenzylphthalate	20.660	149	239416	9.446	ng	98
81) Benzo(a)anthracene	21.624	228	560279	9.874	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	207153	9.686	ng	99
83) Chrysene	21.701	228	522411	9.831	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	355530	9.529	ng	99
85) Di-n-octyl phthalate	22.877	149	594195	9.259	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	582808	8.101	ng	# 93
88) Benzo(b)fluoranthene	23.954	252	552191	9.549	ng	99
89) Benzo(k)fluoranthene	24.018	252	567080	9.800	ng	98
90) Benzo(a)pyrene	24.854	252	535820	9.519	ng	99
91) Dibenzo(a,h)anthracene	28.959	278	551694	9.387	ng	99
92) Benzo(g,h,i)perylene	30.047	276	548117	9.489	ng	99

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

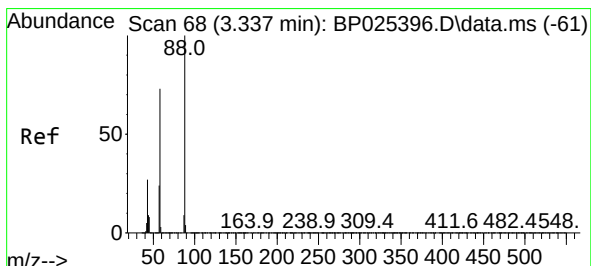
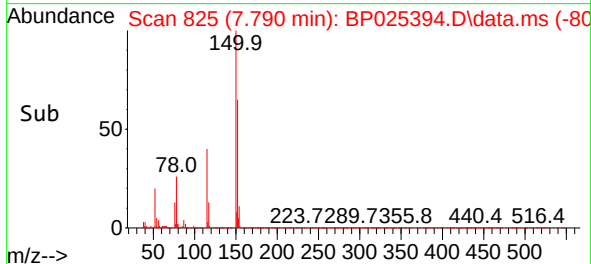
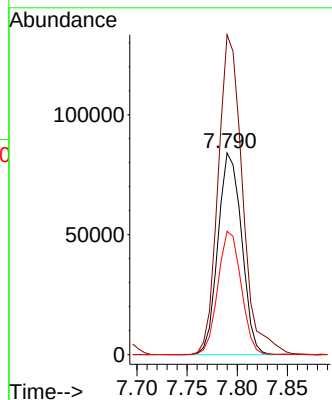
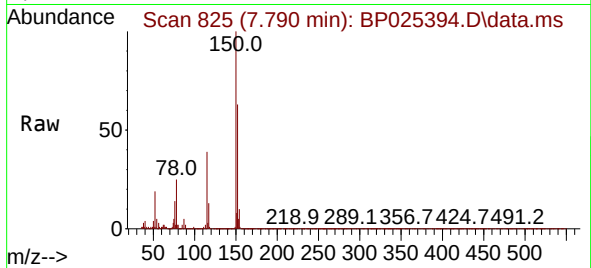
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- 14
- 15
- 16
- 17
- 18



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

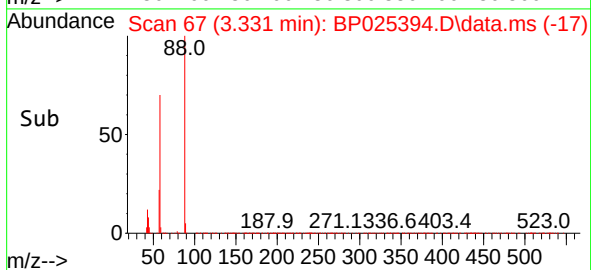
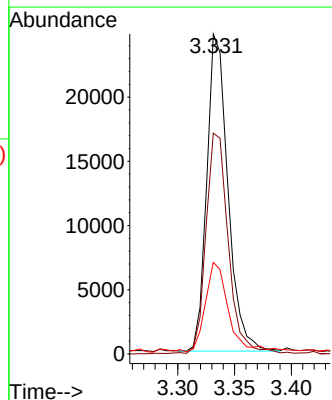
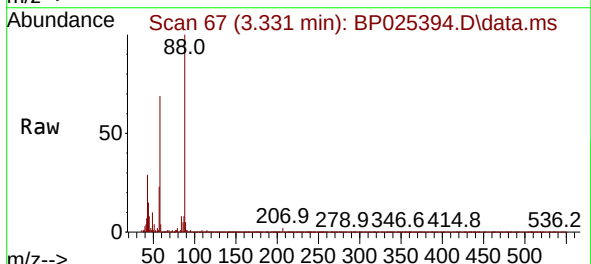
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

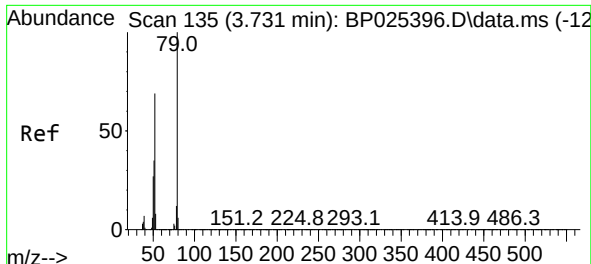
Tgt Ion:152 Resp: 137852
Ion Ratio Lower Upper
152 100
150 158.6 125.9 188.9
115 61.1 48.5 72.7



#2
1,4-Dioxane
Concen: 9.826 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 88 Resp: 31948
Ion Ratio Lower Upper
88 100
58 74.0 59.2 88.8
43 30.8 21.7 32.5

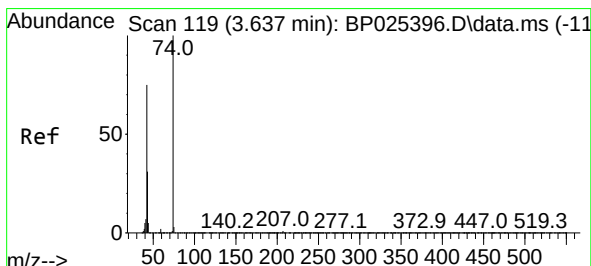
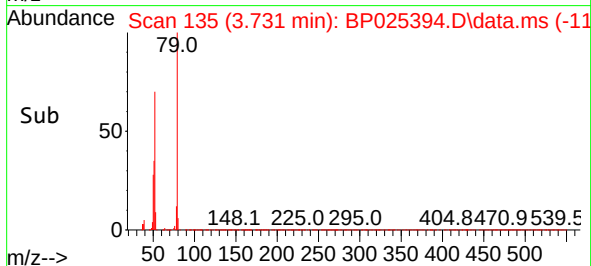
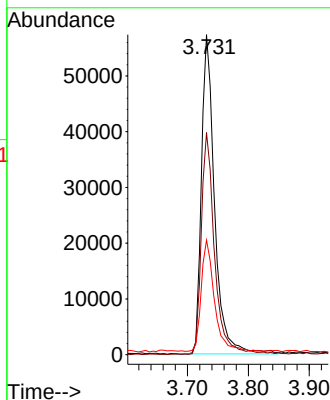
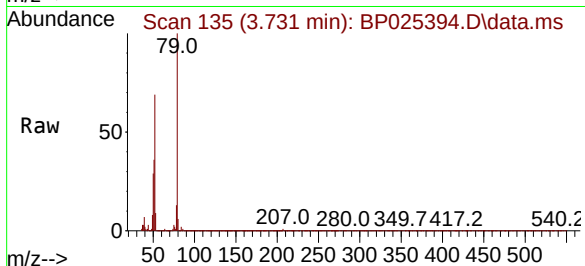




#3
Pyridine
Concen: 9.681 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

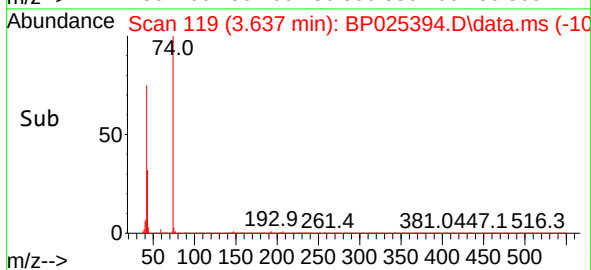
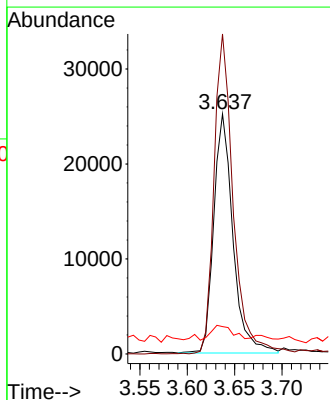
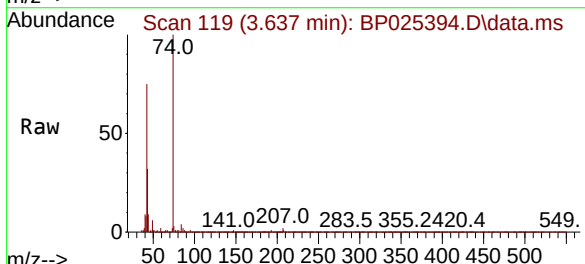
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

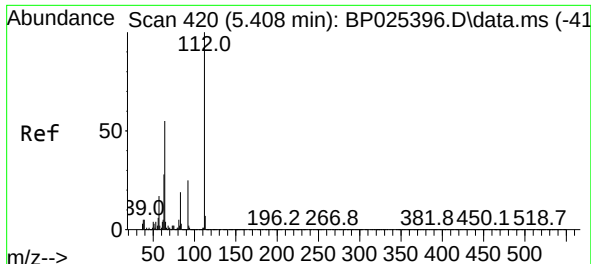
Tgt Ion:	79	Resp:	86156
Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.8	28.3	42.5



#4
n-Nitrosodimethylamine
Concen: 9.681 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	42	Resp:	35519
Ion	Ratio	Lower	Upper
42	100		
74	133.3	107.0	160.4
44	11.4	6.2	9.4

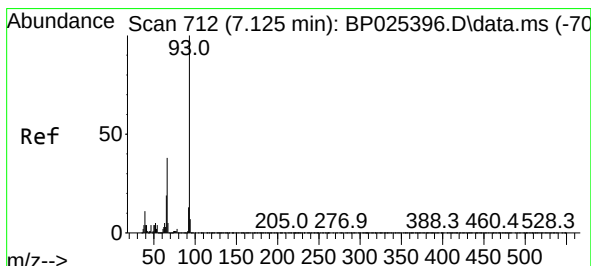
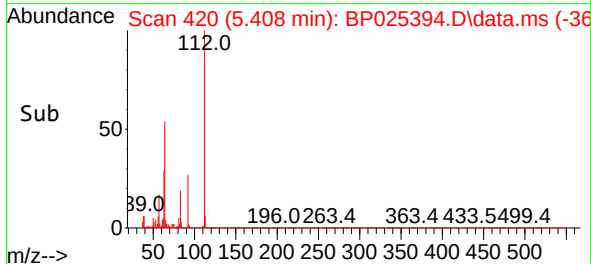
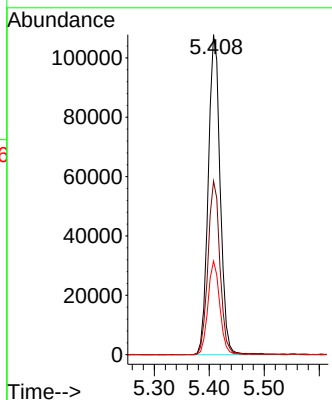
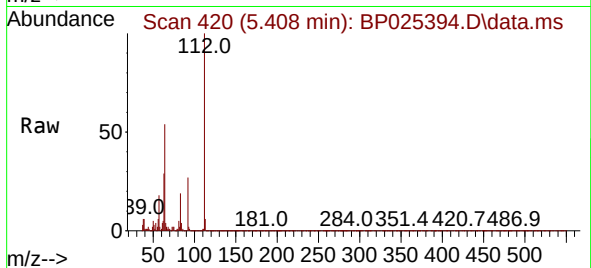




#5
2-Fluorophenol
Concen: 19.551 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

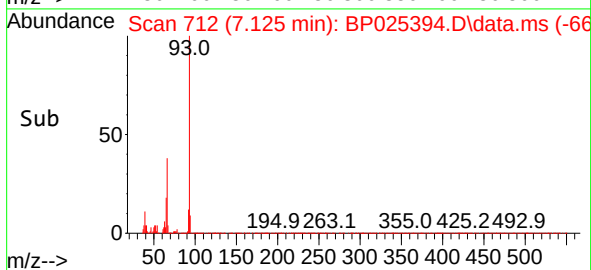
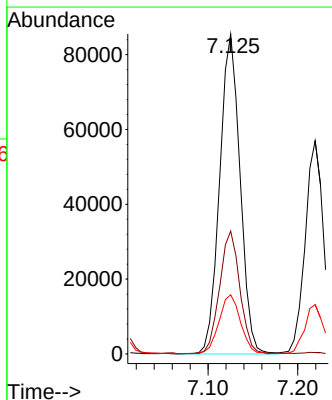
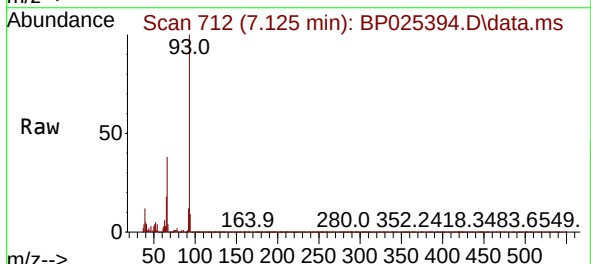
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ClientSampleId :
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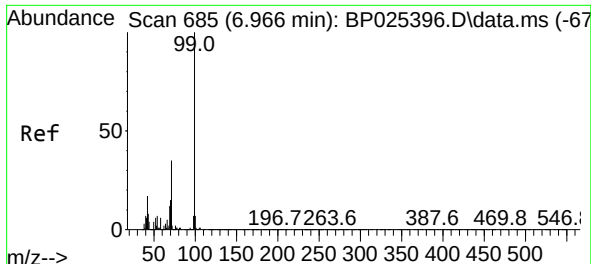
Tgt Ion:	112	Resp:	162289
Ion	Ratio	Lower	Upper
112	100		
64	54.3	43.8	65.8
63	29.3	22.7	34.1



#6
Aniline
Concen: 9.430 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	93	Resp:	135217
Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.4	45.6
65	18.5	15.3	22.9

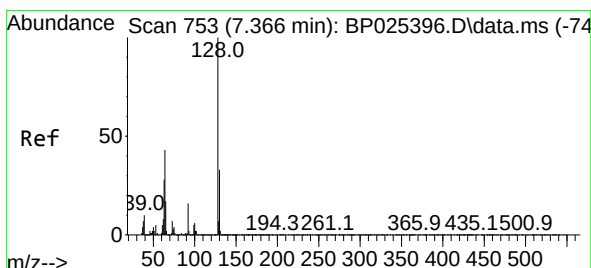
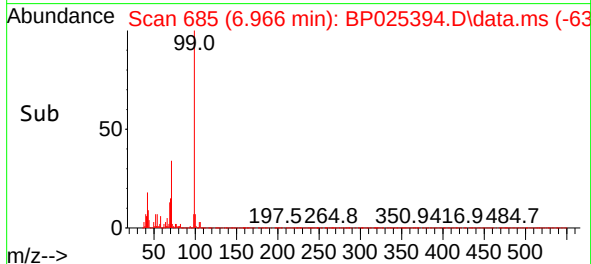
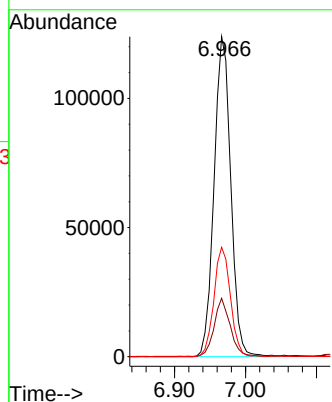
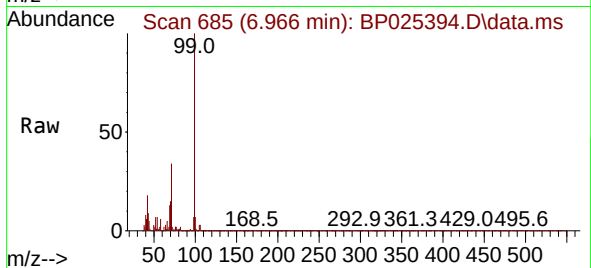




#7
Phenol-d6
Concen: 19.000 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

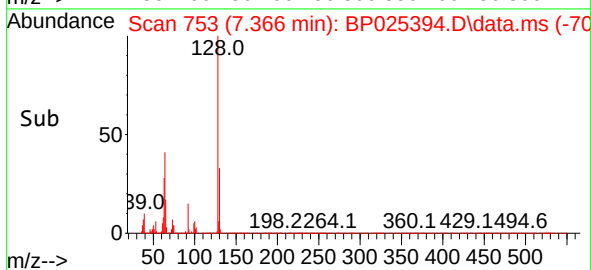
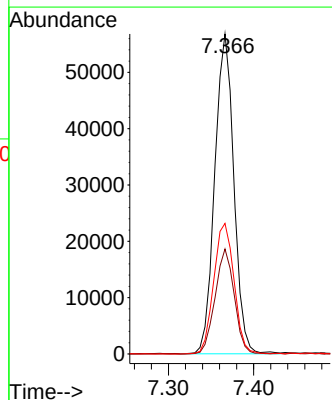
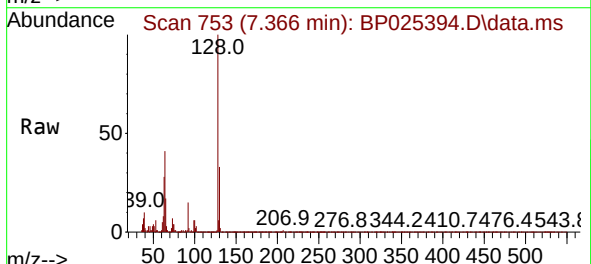
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

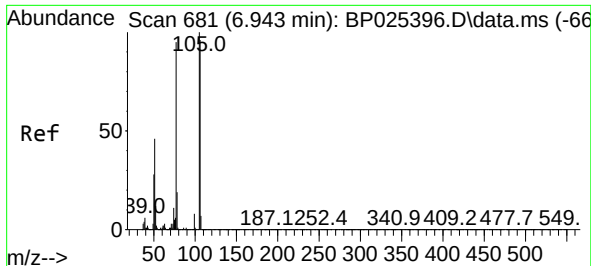
Tgt Ion:	99	Resp:	202204
Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	34.2	28.2	42.4



#8
2-Chlorophenol
Concen: 9.439 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	128	Resp:	88413
Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	40.8	23.4	63.4

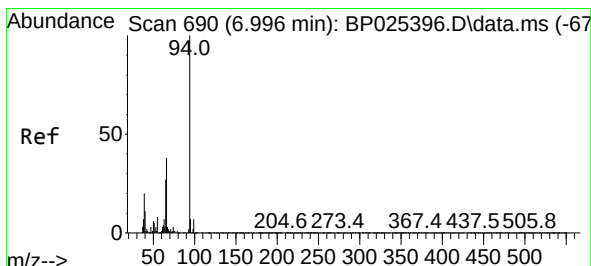
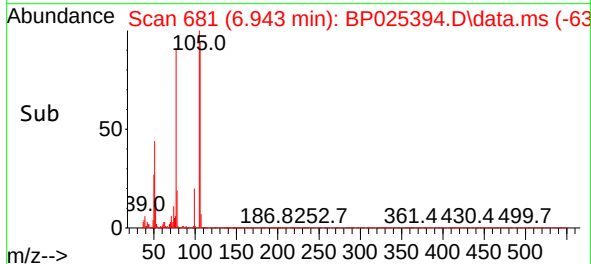
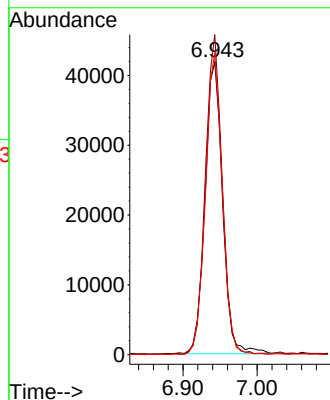
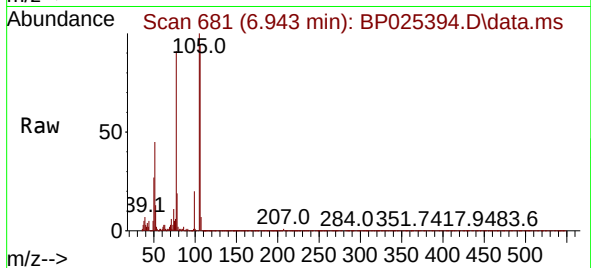




#9
Benzaldehyde
Concen: 9.190 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

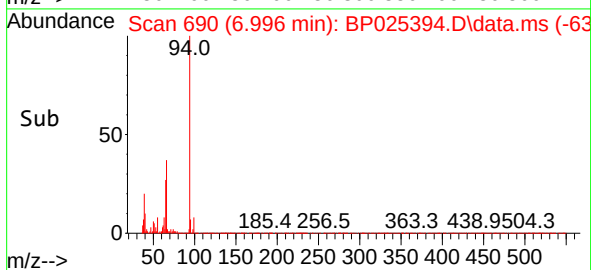
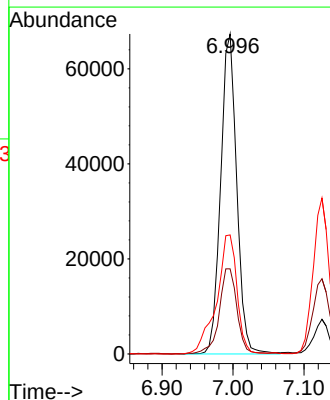
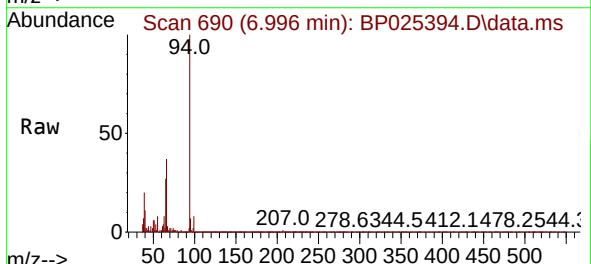
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

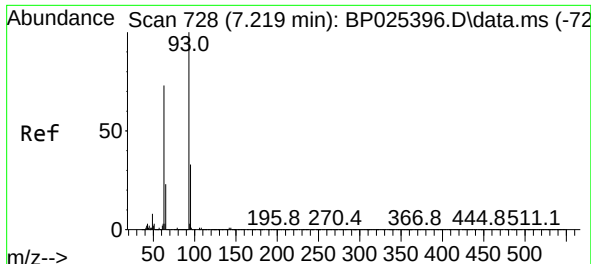
Tgt Ion: 77 Resp: 68523
Ion Ratio Lower Upper
77 100
105 109.4 84.8 124.8
106 103.0 80.5 120.5



#10
Phenol
Concen: 9.438 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 94 Resp: 105394
Ion Ratio Lower Upper
94 100
65 26.6 6.8 46.8
66 37.2 18.2 58.2

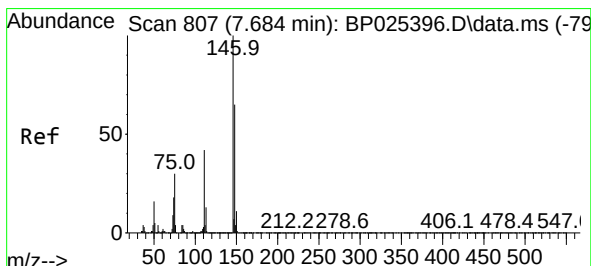
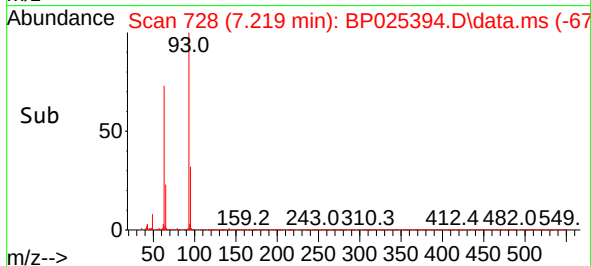
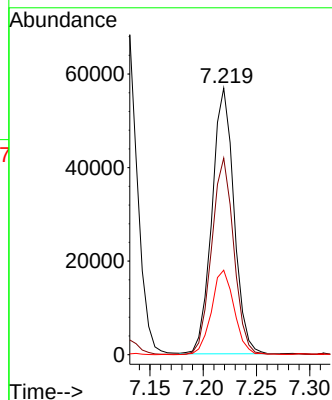
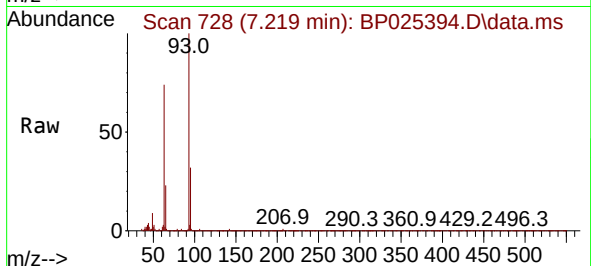




#11
bis(2-Chloroethyl)ether
Concen: 9.368 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

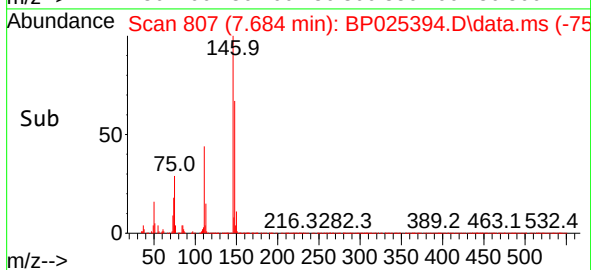
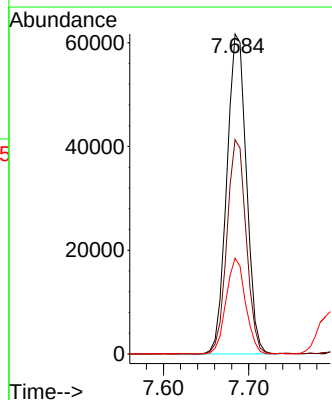
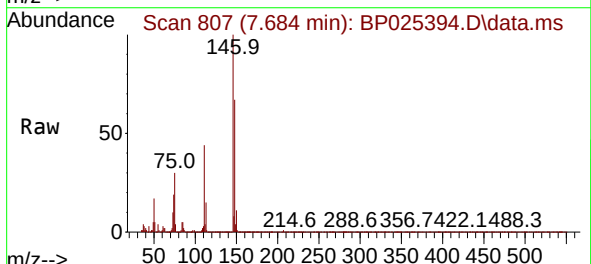
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

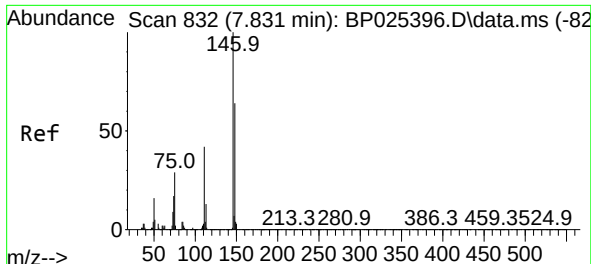
Tgt Ion:	93	Resp:	81541
Ion	Ratio	Lower	Upper
93	100		
63	73.7	52.6	92.6
95	31.7	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 9.564 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	146	Resp:	98782
Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.9	77.9
75	29.9	23.7	35.5

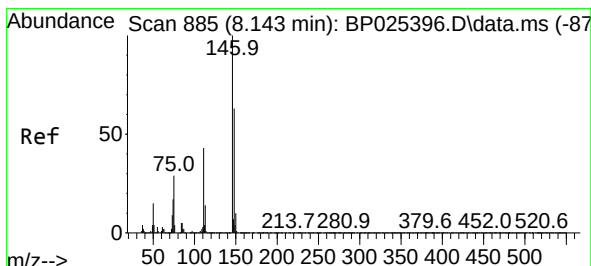
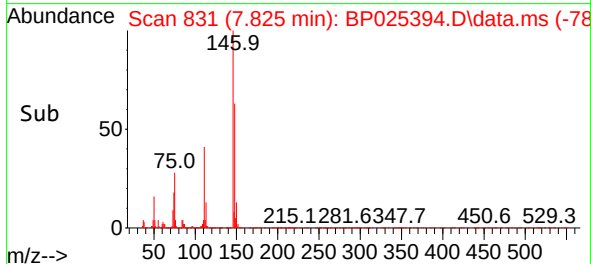
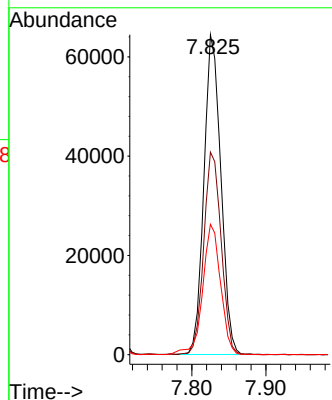
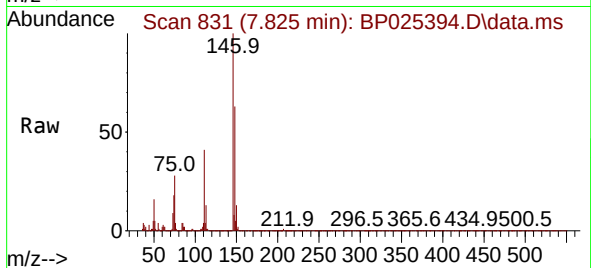




#13
1,4-Dichlorobenzene
Concen: 9.731 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

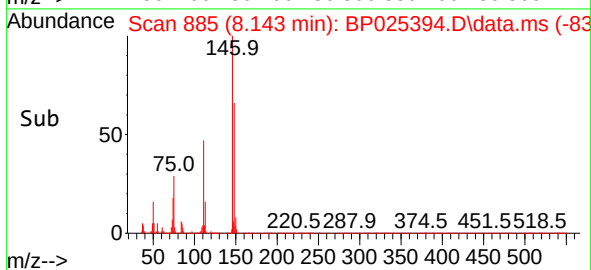
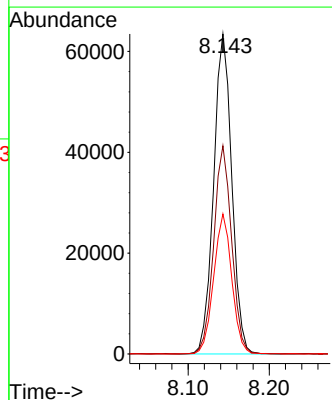
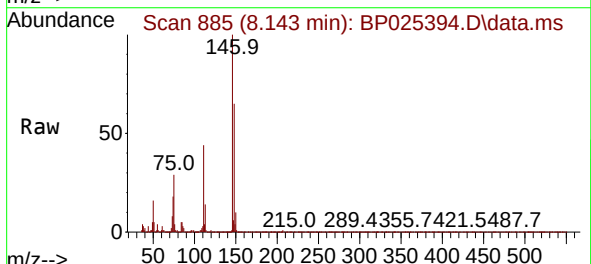
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

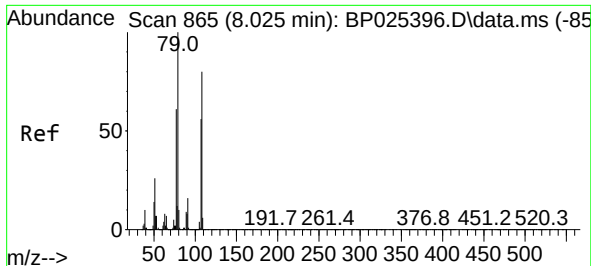
Tgt Ion:146 Resp: 102729
Ion Ratio Lower Upper
146 100
148 63.3 51.6 77.4
111 40.8 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 9.647 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:146 Resp: 98589
Ion Ratio Lower Upper
146 100
148 65.1 50.4 75.6
111 43.7 34.5 51.7

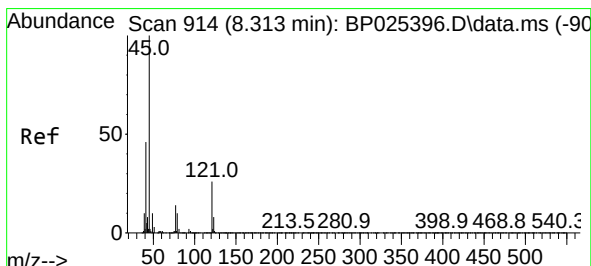
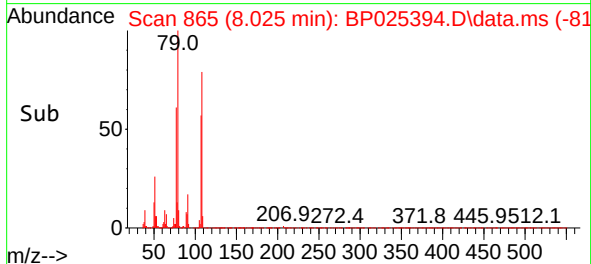
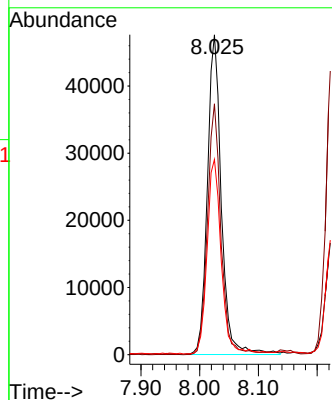
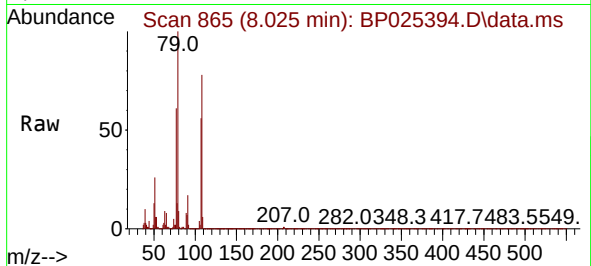




#15
Benzyl Alcohol
Concen: 9.273 ng
RT: 8.025 min Scan# 865
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

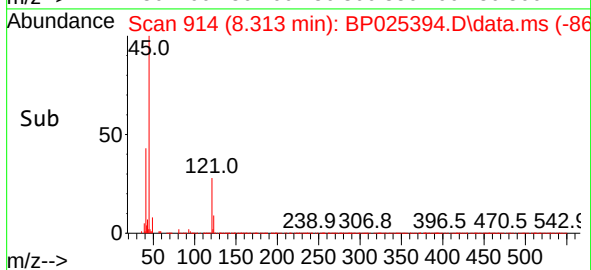
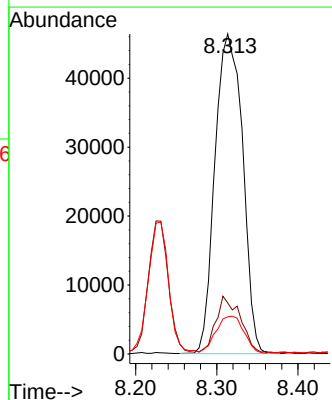
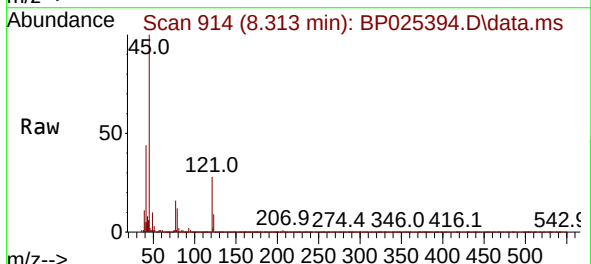
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

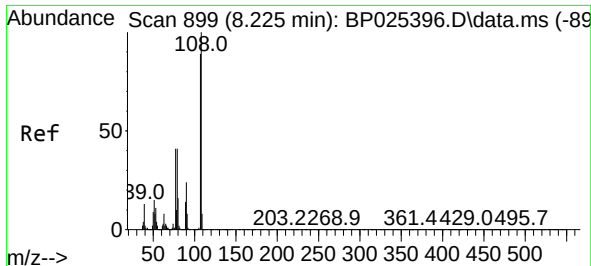
Tgt Ion: 79 Resp: 78411
Ion Ratio Lower Upper
79 100
108 78.4 63.8 95.6
77 61.0 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.412 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

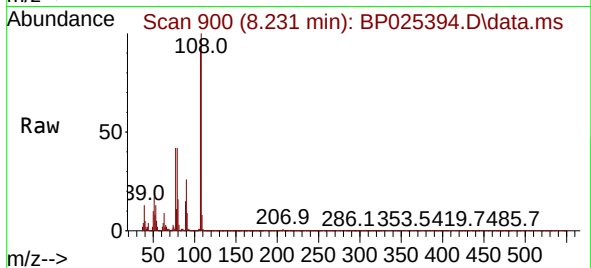
Tgt Ion: 45 Resp: 109744
Ion Ratio Lower Upper
45 100
77 15.9 0.0 35.3
79 11.6 0.0 31.8



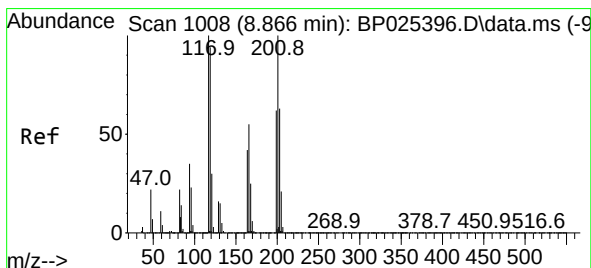
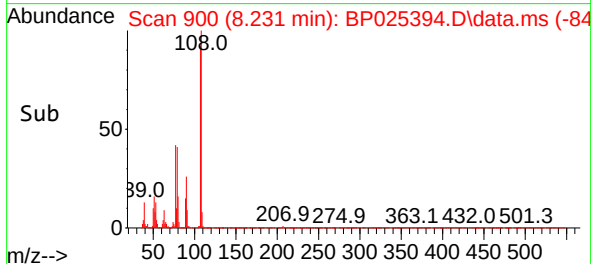
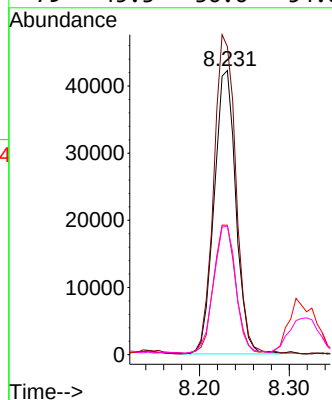


#17
2-Methylphenol
Concen: 9.153 ng
RT: 8.231 min Scan# 900
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

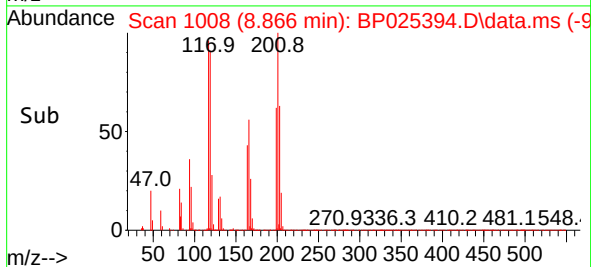
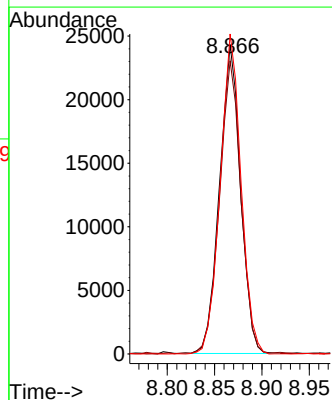
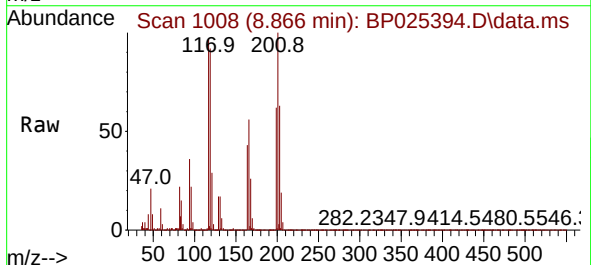


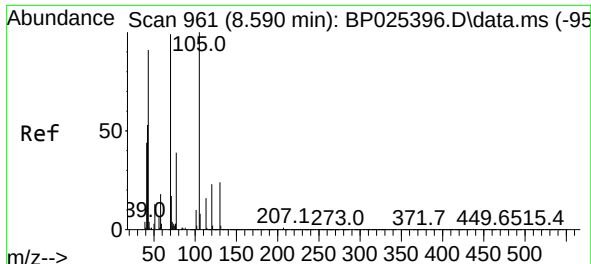
Tgt Ion:	107	Resp:	70991
Ion	Ratio	Lower	Upper
107	100		
108	108.4	89.4	134.0
77	45.5	36.3	54.5
79	45.3	36.6	54.8



#18
Hexachloroethane
Concen: 9.654 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	117	Resp:	37473
Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.1	112.7
201	103.5	80.1	120.1

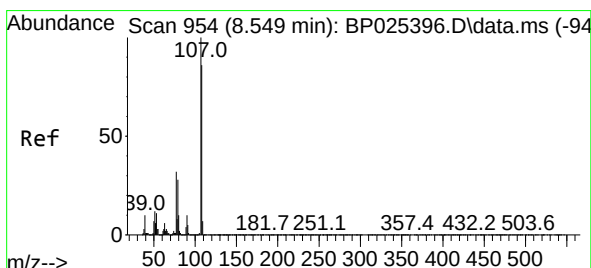
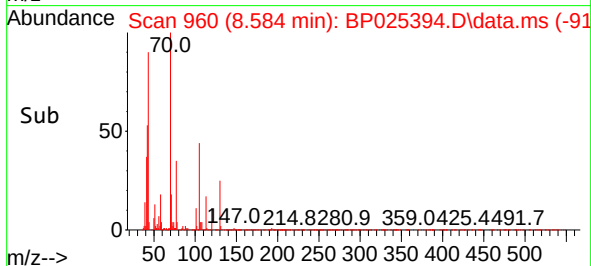
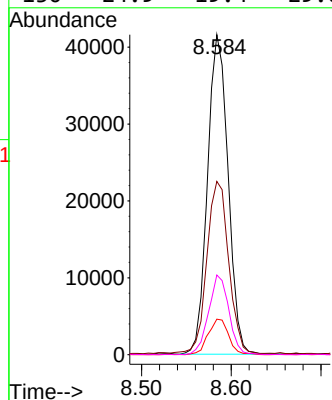
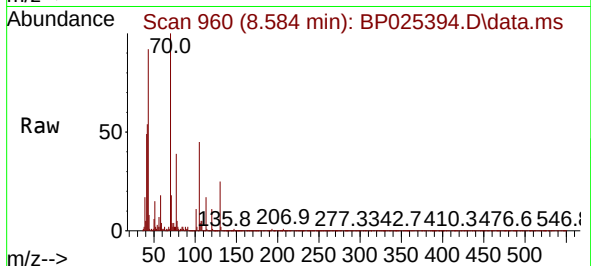




#19
n-Nitroso-di-n-propylamine
Concen: 9.366 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

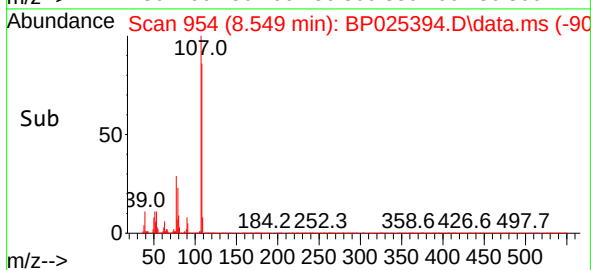
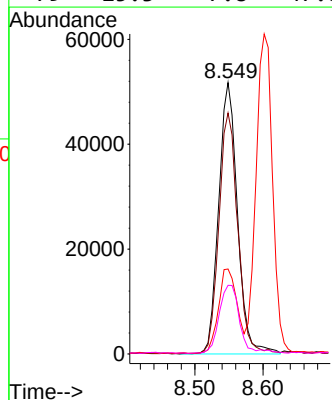
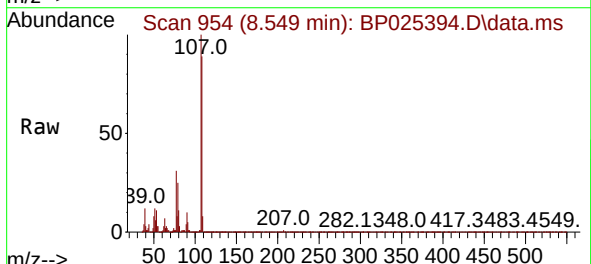
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

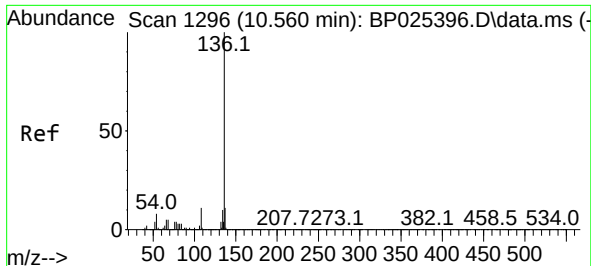
Tgt Ion:	70	Resp:	66105
Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.8	65.6
101	11.1	8.5	12.7
130	24.9	19.4	29.0



#20
3+4-Methylphenols
Concen: 9.244 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	107	Resp:	99382
Ion	Ratio	Lower	Upper
107	100		
108	88.8	66.3	106.3
77	31.3	12.3	52.3
79	25.3	7.8	47.8

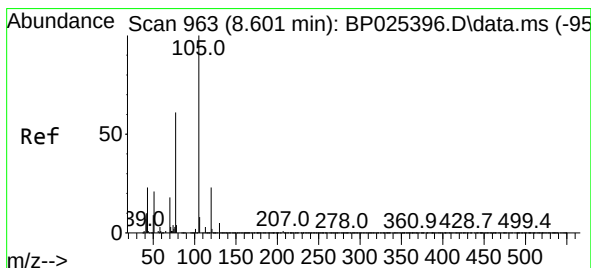
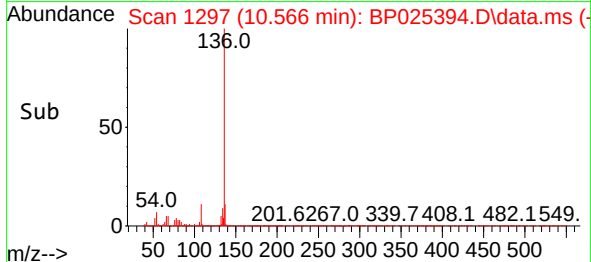
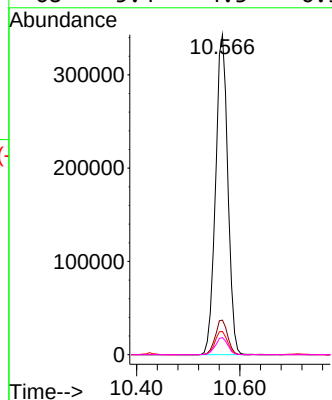
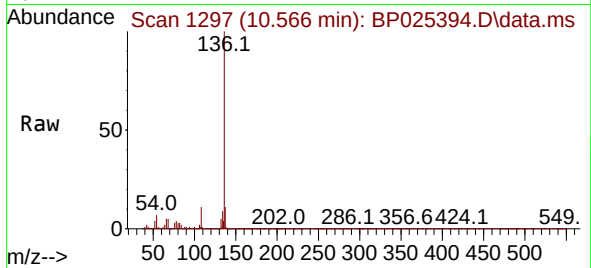




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

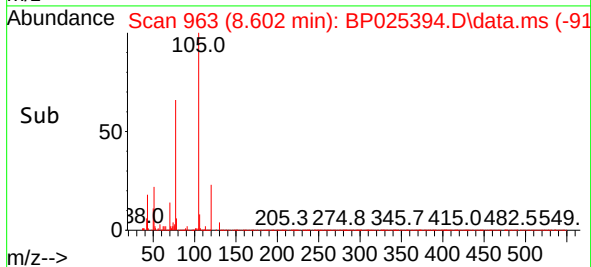
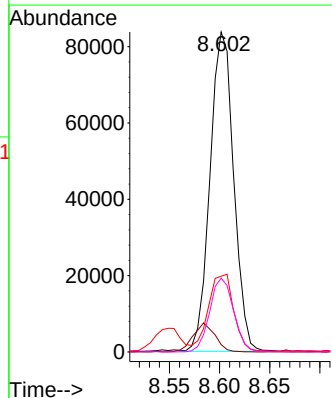
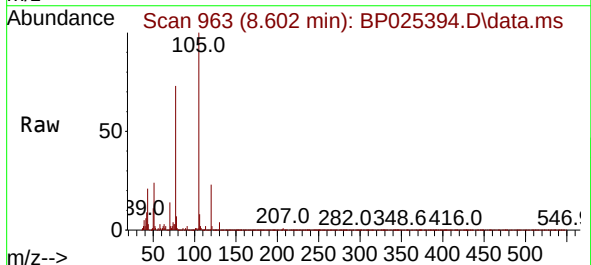
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

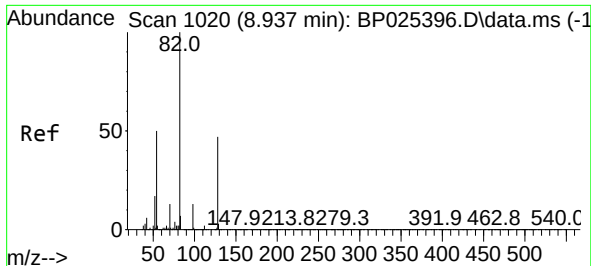
Tgt Ion:	136	Resp:	563995
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.3	6.0	9.0
68	5.4	4.3	6.5



#22
Acetophenone
Concen: 9.712 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	105	Resp:	137361
Ion	Ratio	Lower	Upper
105	100		
71	2.3	2.6	4.0#
51	23.7	20.6	30.8
120	23.1	18.6	27.8

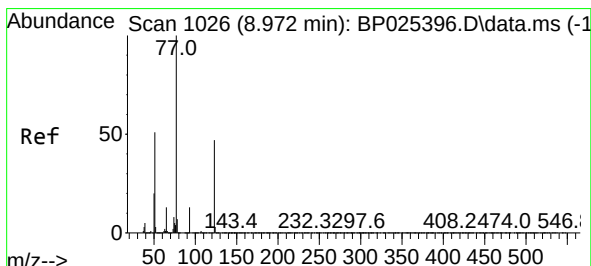
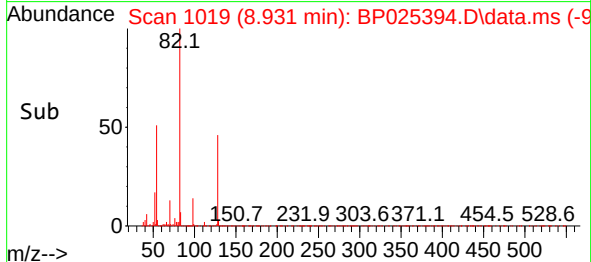
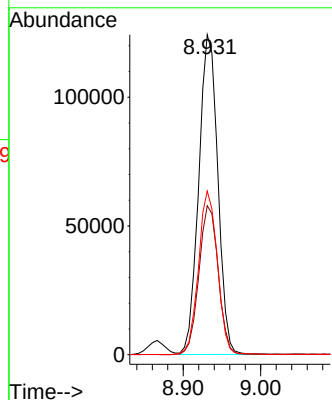
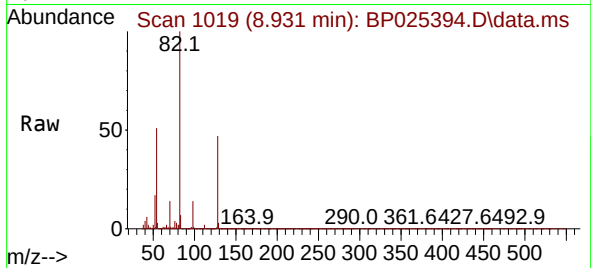




#23
Nitrobenzene-d5
Concen: 19.036 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

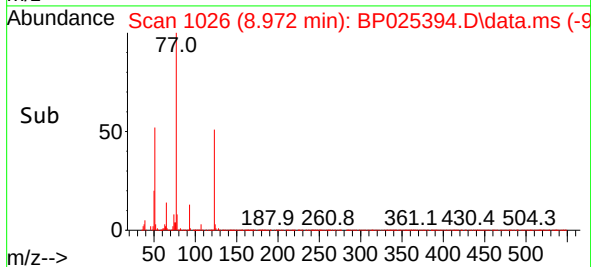
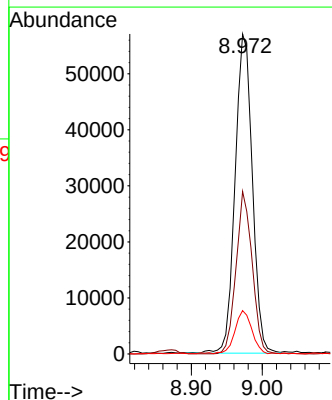
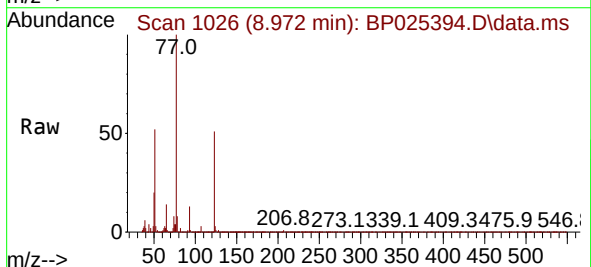
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

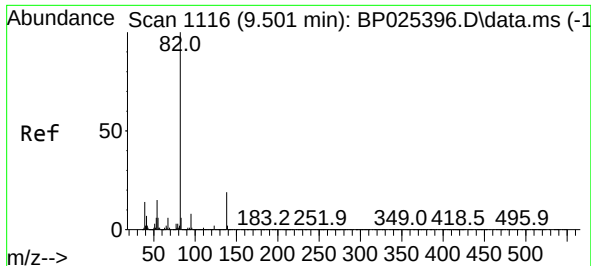
Tgt Ion: 82 Resp: 212236
Ion Ratio Lower Upper
82 100
128 46.6 37.7 56.5
54 51.2 39.8 59.6



#24
Nitrobenzene
Concen: 9.685 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 77 Resp: 96502
Ion Ratio Lower Upper
77 100
123 50.8 38.6 58.0
65 13.6 10.6 15.8

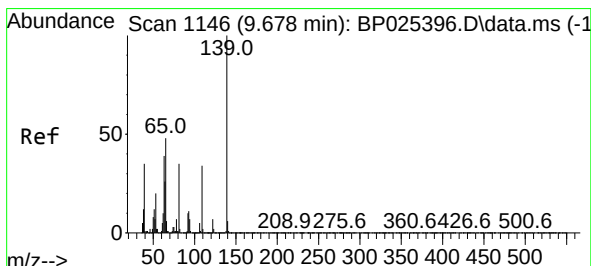
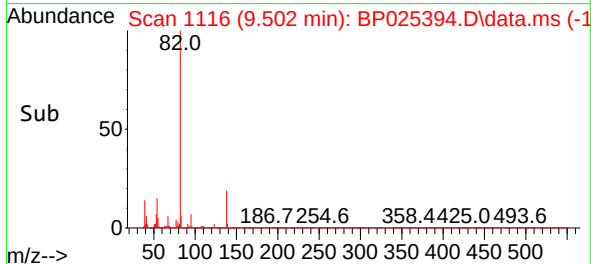
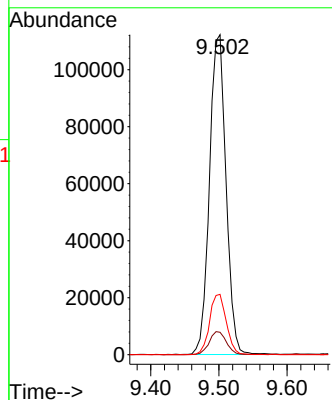
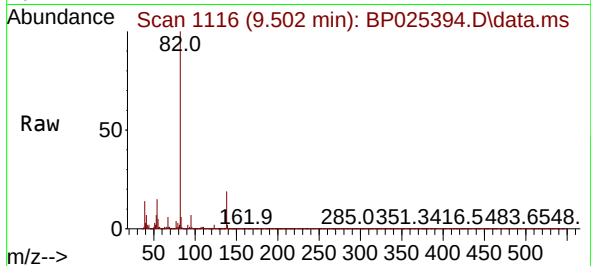




#25
Isophorone
Concen: 9.604 ng
RT: 9.502 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

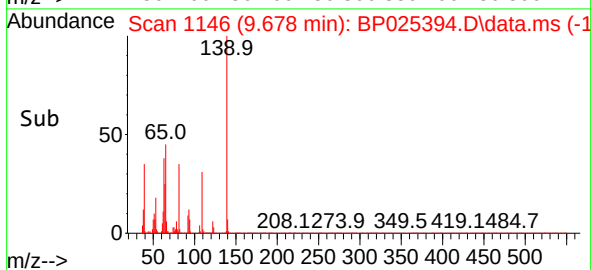
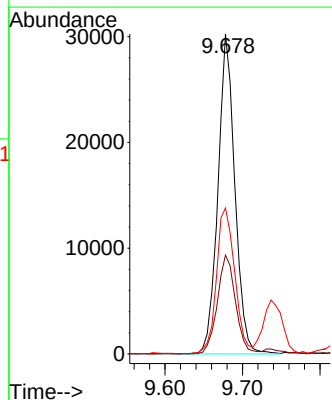
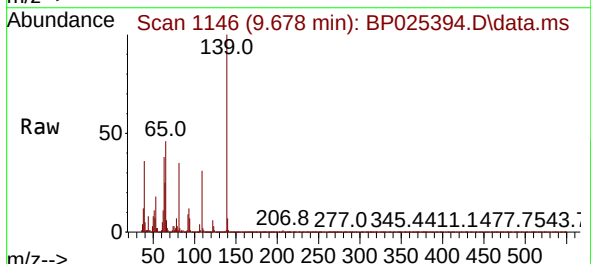
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

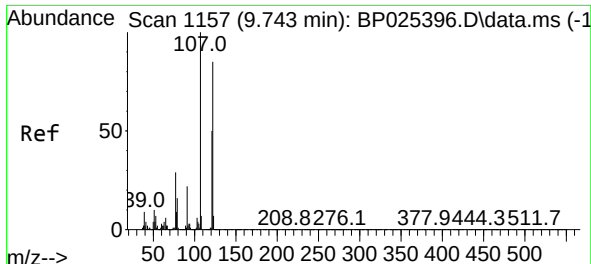
Tgt Ion: 82 Resp: 189510
Ion Ratio Lower Upper
82 100
95 7.0 6.4 9.6
138 18.8 15.4 23.0



#26
2-Nitrophenol
Concen: 8.968 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 139 Resp: 45860
Ion Ratio Lower Upper
139 100
109 30.9 26.9 40.3
65 45.6 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 9.718 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

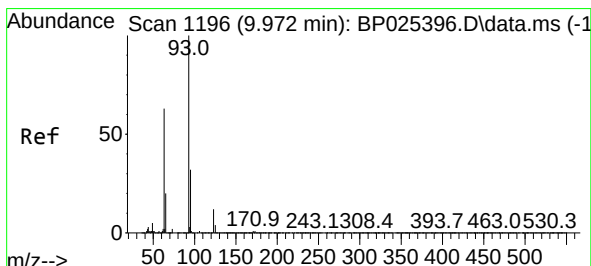
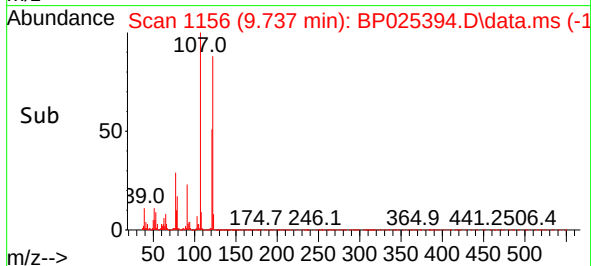
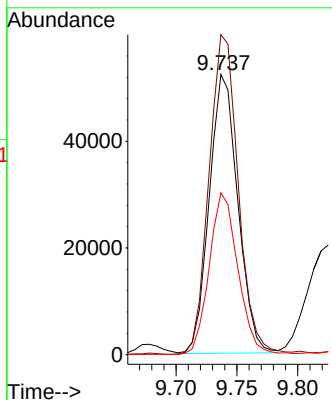
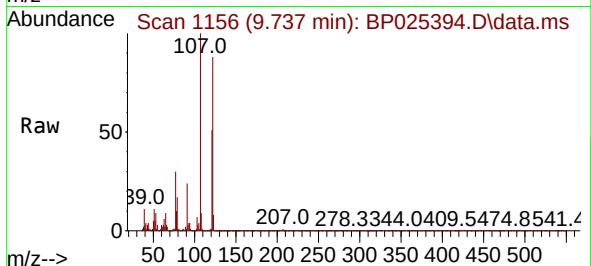
Tgt Ion:122 Resp: 85465

Ion Ratio Lower Upper

122 100

107 114.2 93.7 140.5

121 57.8 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 9.611 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

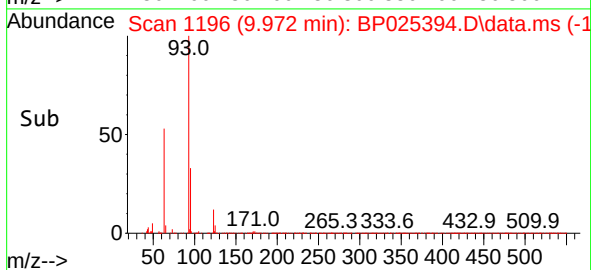
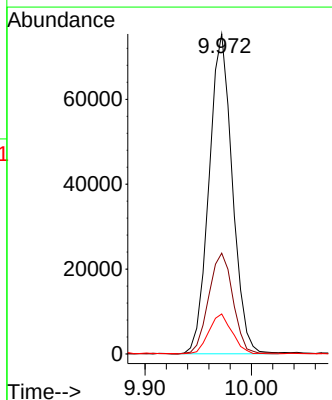
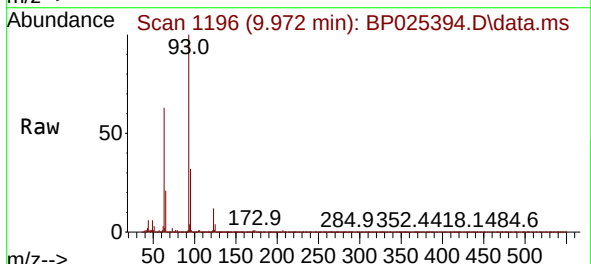
Tgt Ion: 93 Resp: 114635

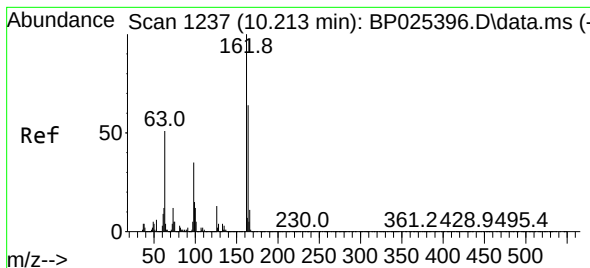
Ion Ratio Lower Upper

93 100

95 31.5 25.4 38.0

123 12.5 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 9.464 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDIC010

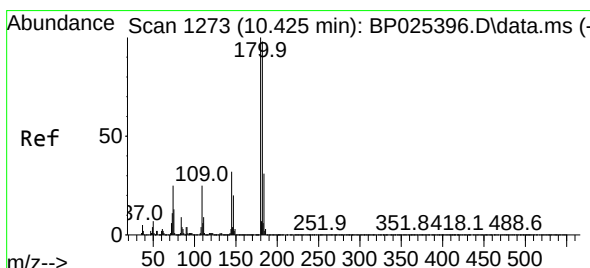
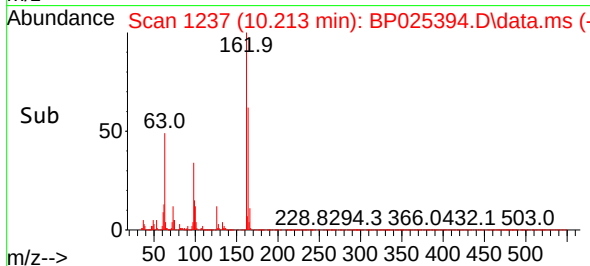
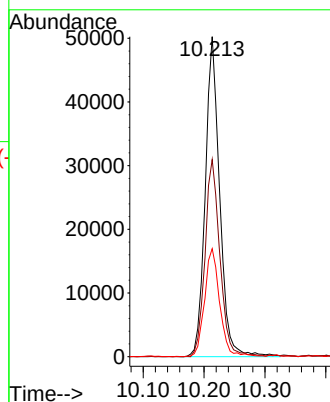
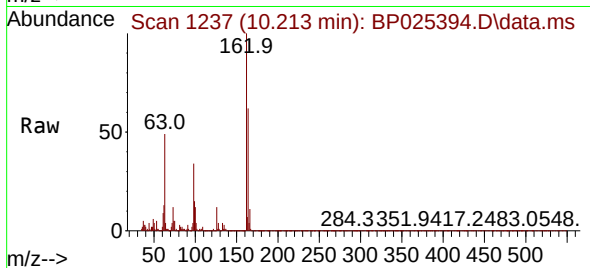
Tgt Ion:162 Resp: 82676

Ion Ratio Lower Upper

162 100

164 61.6 44.4 84.4

98 33.8 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 9.676 ng

RT: 10.431 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

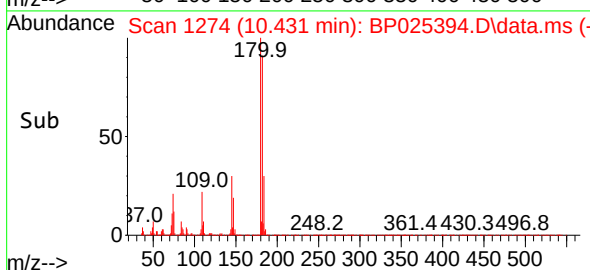
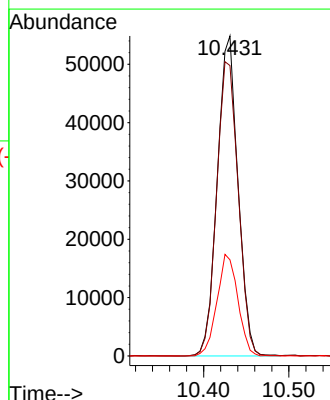
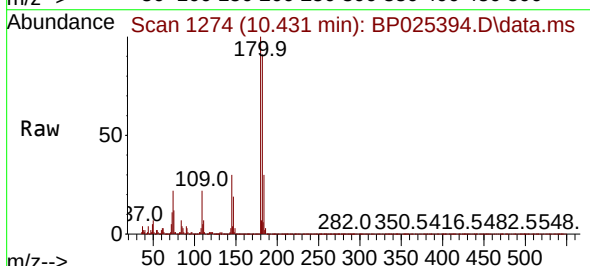
Tgt Ion:180 Resp: 92664

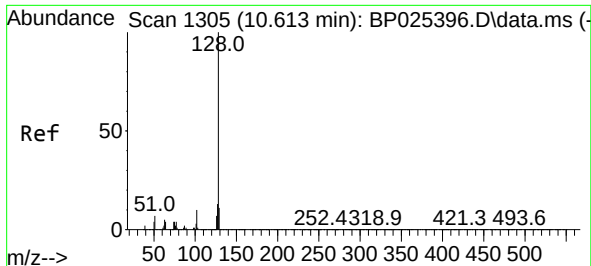
Ion Ratio Lower Upper

180 100

182 90.7 78.0 117.0

145 30.1 25.9 38.9

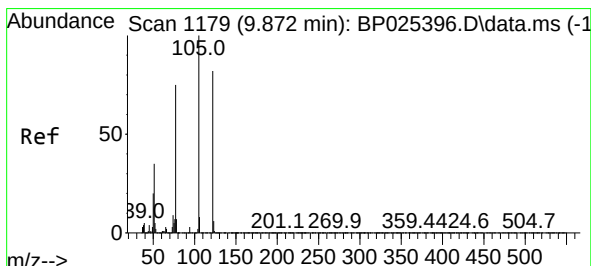
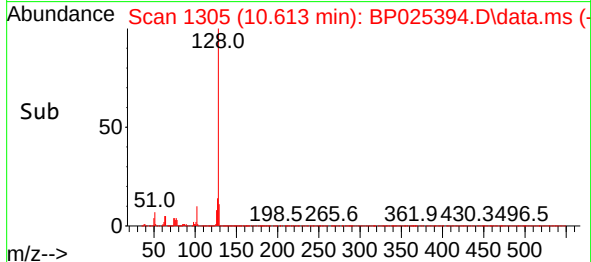
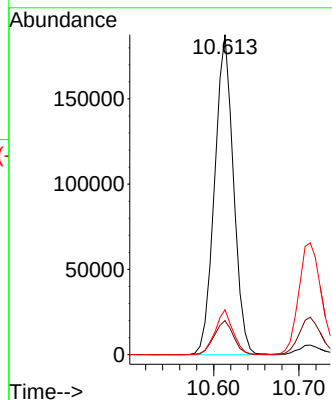
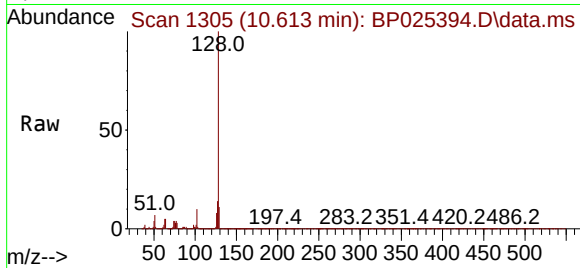




#31
Naphthalene
Concen: 9.816 ng
RT: 10.613 min Scan# 111
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

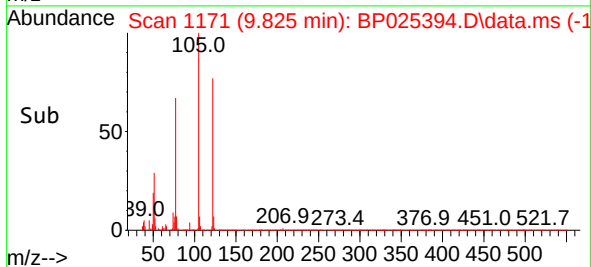
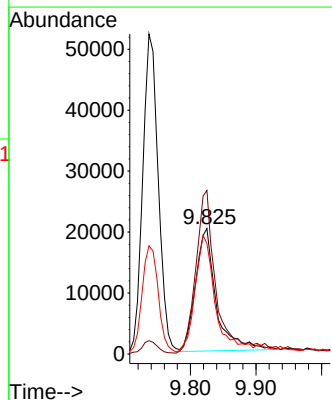
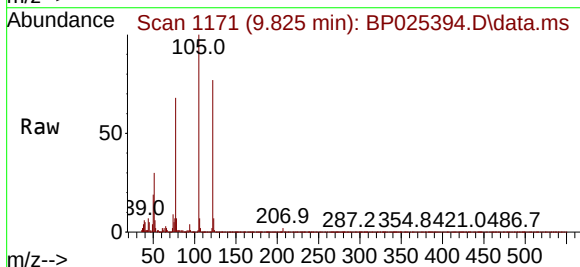
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

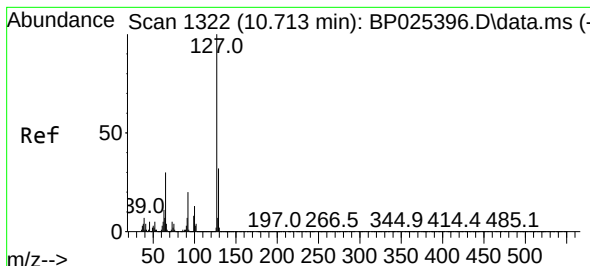
Tgt Ion:128 Resp: 287754
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 14.0 10.7 16.1



#32
Benzoic acid
Concen: 6.856 ng
RT: 9.825 min Scan# 1171
Delta R.T. -0.047 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:122 Resp: 44404
Ion Ratio Lower Upper
122 100
105 130.4 100.6 140.6
77 88.0 71.5 111.5





#33

4-Chloroaniline

Concen: 9.472 ng

RT: 10.713 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 122647

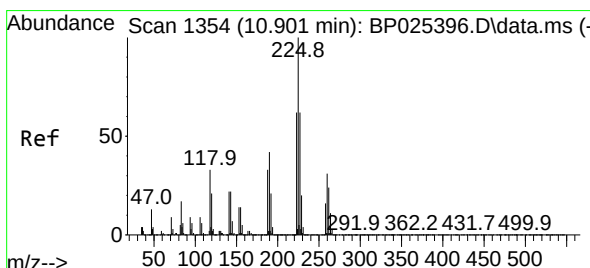
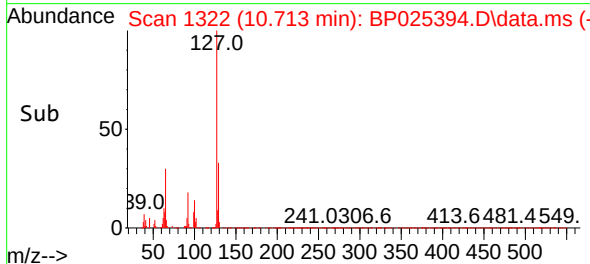
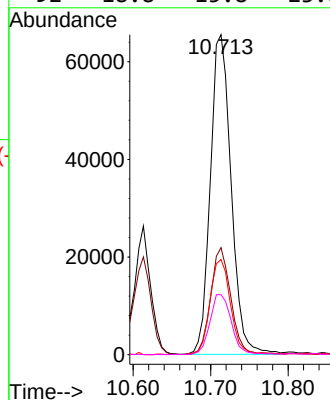
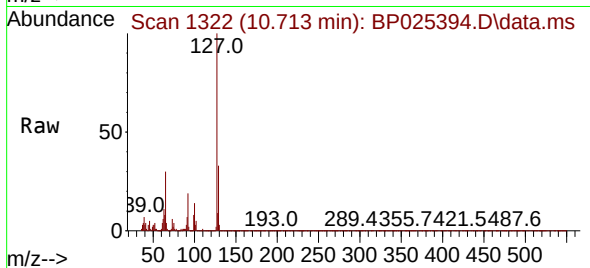
Ion Ratio Lower Upper

127 100

129 33.5 25.4 38.2

65 29.7 23.8 35.6

92 18.8 15.8 23.8



#34

Hexachlorobutadiene

Concen: 9.695 ng

RT: 10.901 min Scan# 1354

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

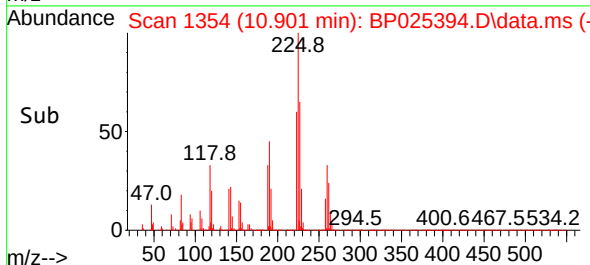
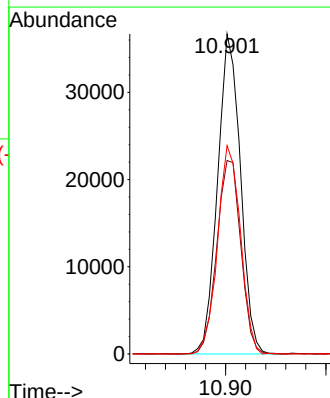
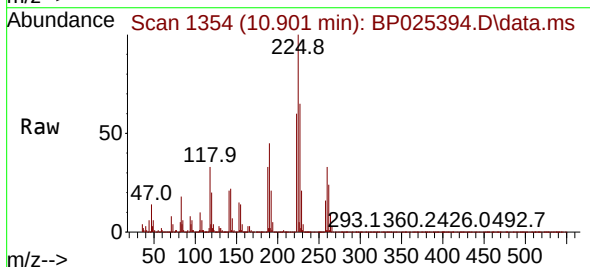
Tgt Ion:225 Resp: 57821

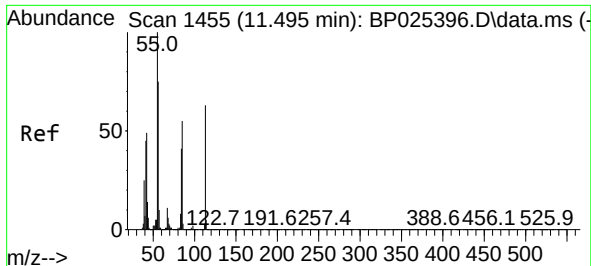
Ion Ratio Lower Upper

225 100

223 60.5 50.0 75.0

227 65.1 49.7 74.5

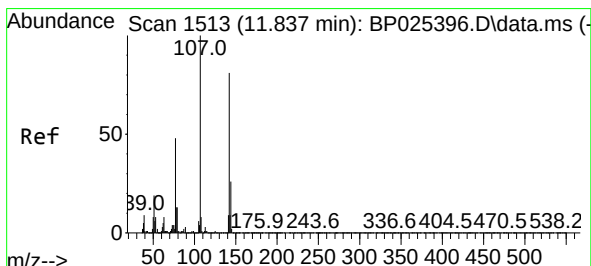
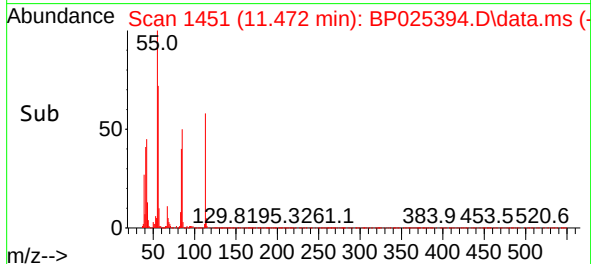
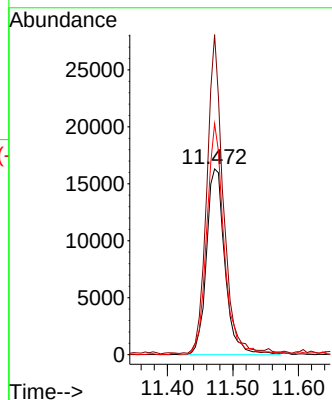
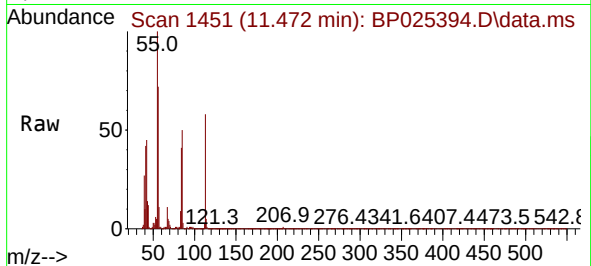




#35
Caprolactam
Concen: 10.001 ng
RT: 11.472 min Scan# 1455
Delta R.T. -0.023 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

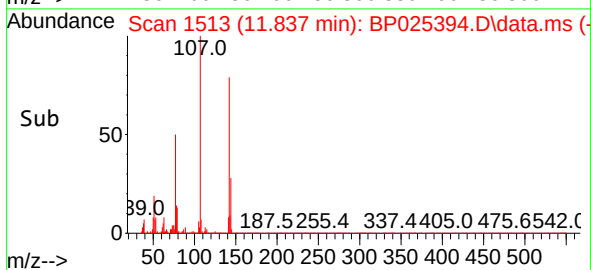
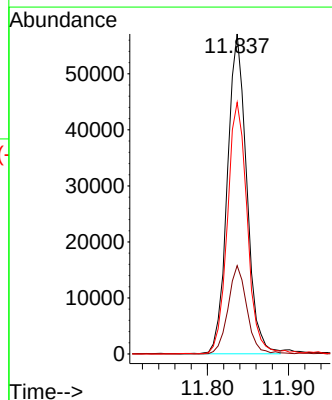
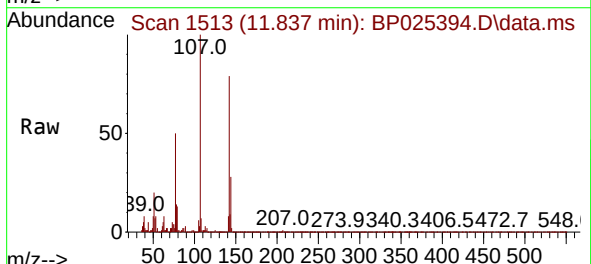
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

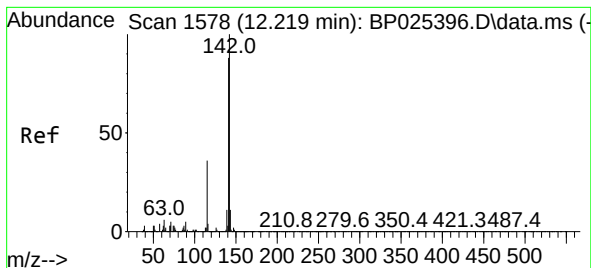
Tgt Ion:	113	Resp:	32038
Ion	Ratio	Lower	Upper
113	100		
55	172.3	140.0	180.0
56	124.4	100.0	140.0



#36
4-Chloro-3-methylphenol
Concen: 9.431 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	107	Resp:	94538
Ion	Ratio	Lower	Upper
107	100		
144	27.6	21.0	31.4
142	78.6	64.6	97.0

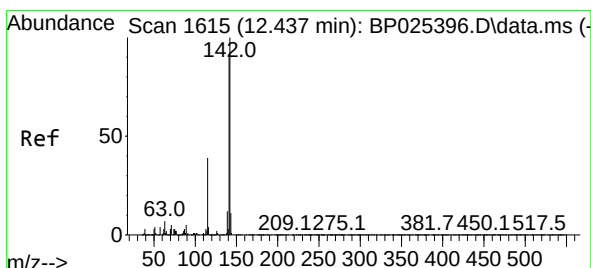
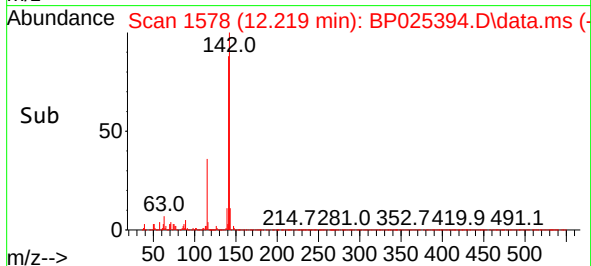
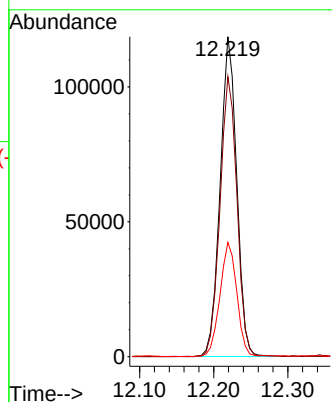
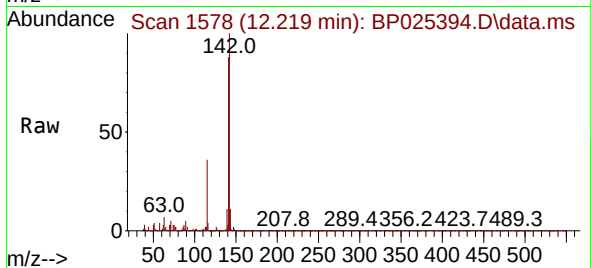




#37
2-Methylnaphthalene
Concen: 9.654 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

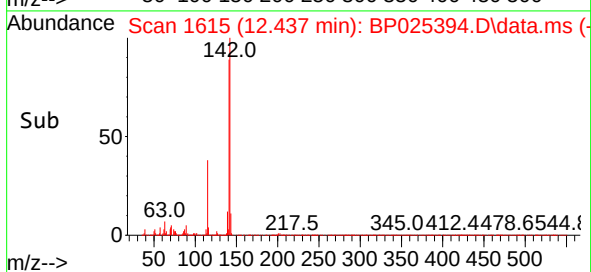
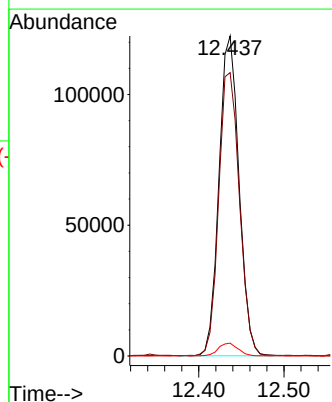
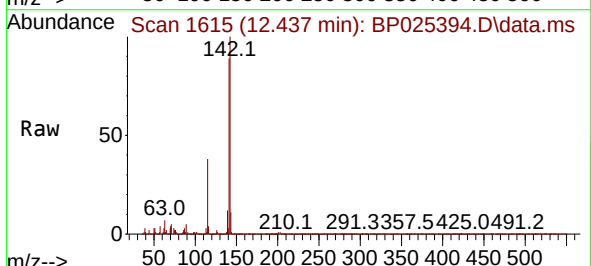
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

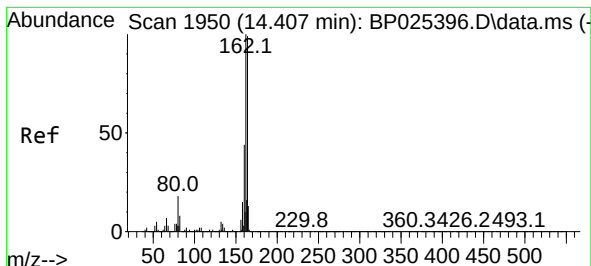
Tgt Ion:142 Resp: 184172
Ion Ratio Lower Upper
142 100
141 87.5 70.3 105.5
115 35.7 28.9 43.3



#38
1-Methylnaphthalene
Concen: 9.817 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:142 Resp: 199160
Ion Ratio Lower Upper
142 100
141 88.6 73.1 109.7
116 4.0 3.2 4.8

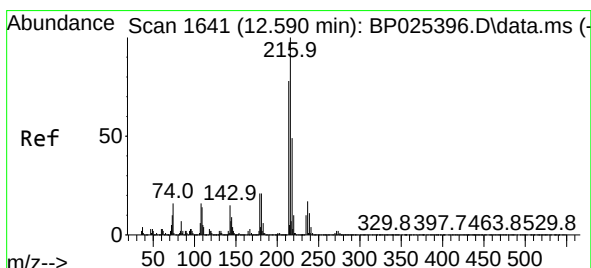
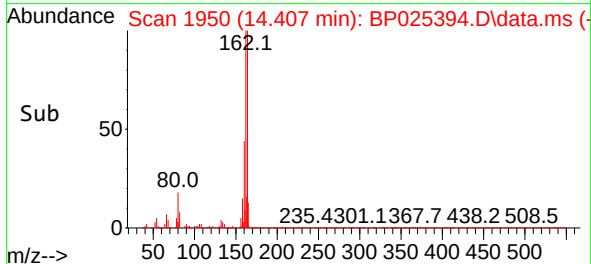
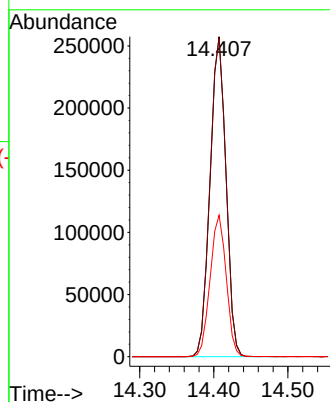
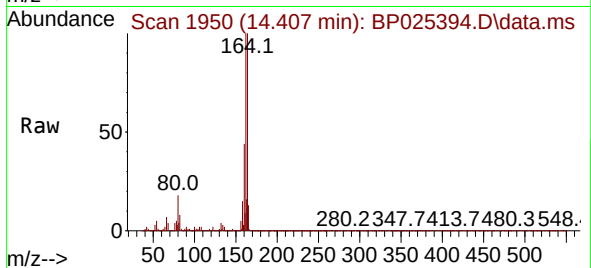




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

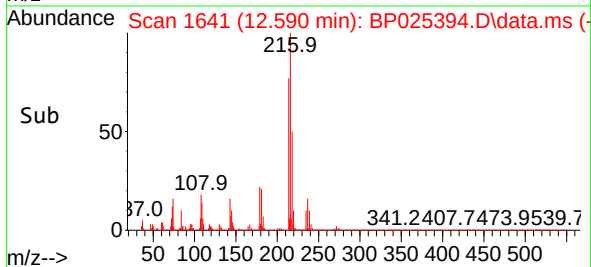
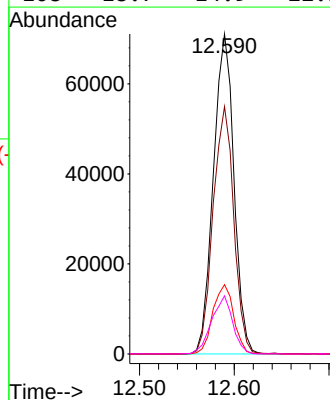
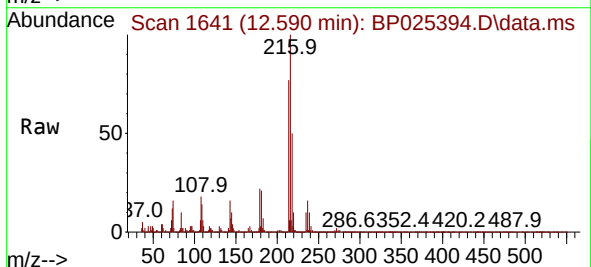
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

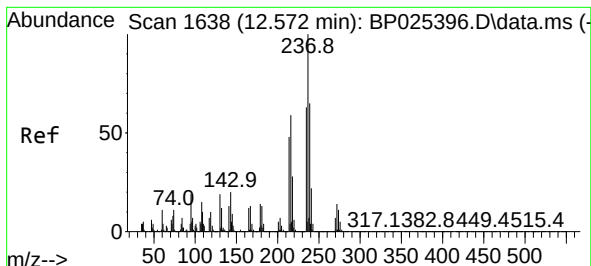
Tgt Ion:164 Resp: 383199
Ion Ratio Lower Upper
164 100
162 99.7 81.0 121.6
160 44.2 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.678 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:216 Resp: 107104
Ion Ratio Lower Upper
216 100
214 77.8 63.0 94.4
179 22.0 17.1 25.7
108 18.7 14.9 22.3

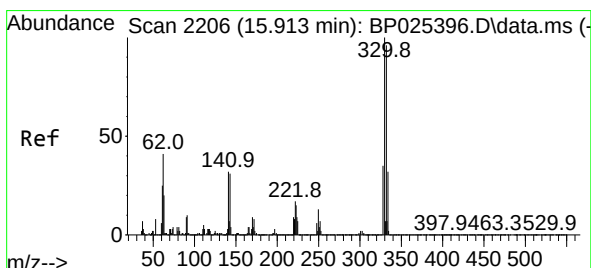
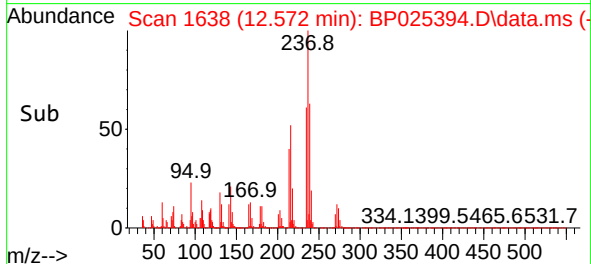
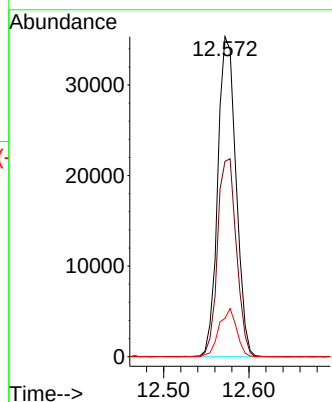
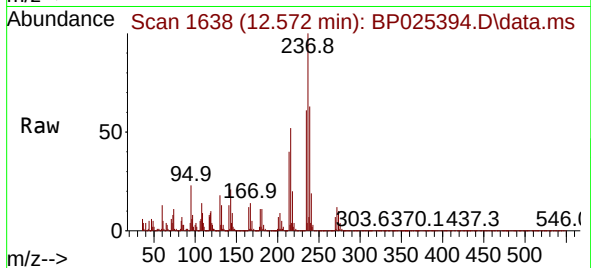




#41
Hexachlorocyclopentadiene
Concen: 7.867 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

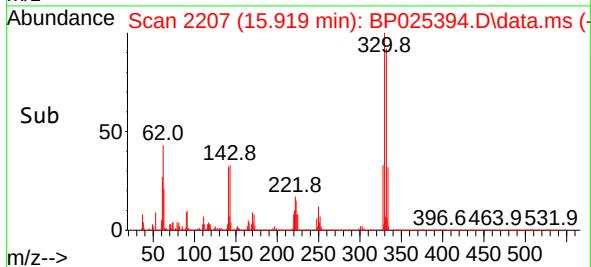
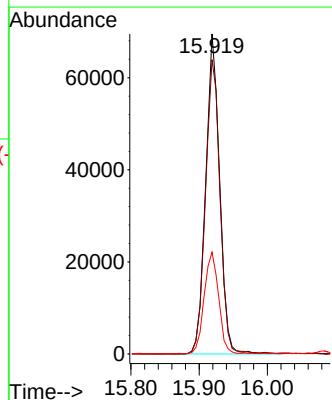
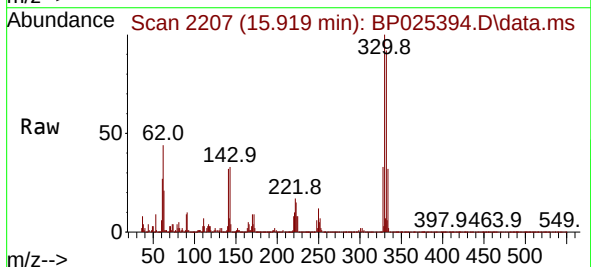
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

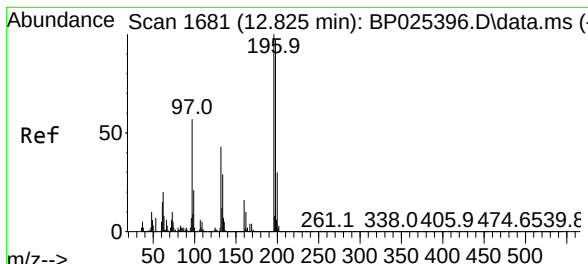
Tgt Ion:237 Resp: 52588
Ion Ratio Lower Upper
237 100
235 61.1 42.7 82.7
272 12.0 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 19.210 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:330 Resp: 99083
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 33.1 26.6 39.8



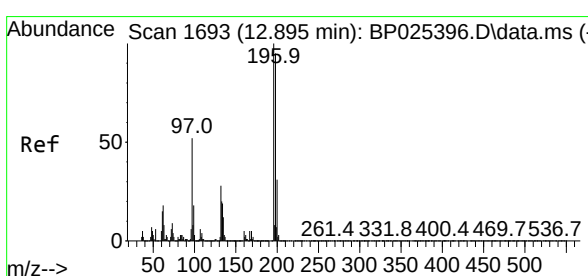
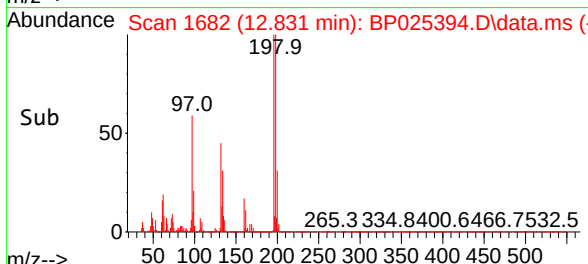
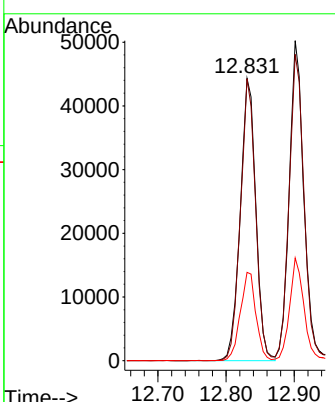
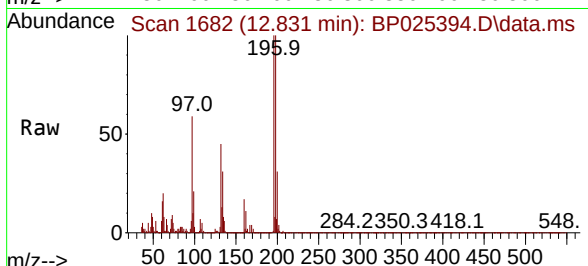


#43
2,4,6-Trichlorophenol
Concen: 9.339 ng
RT: 12.831 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 69780

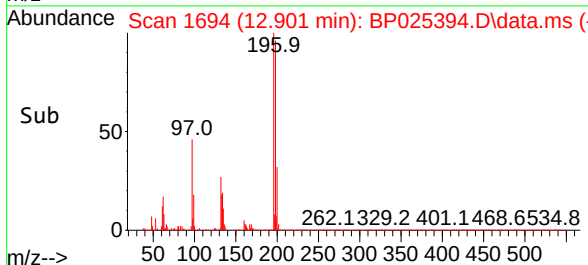
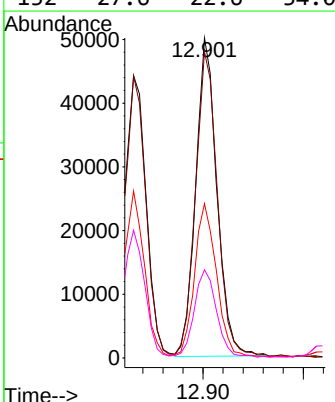
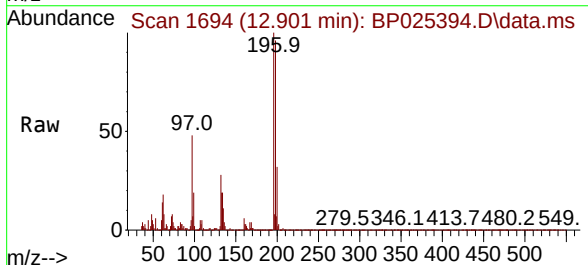
Ion	Ratio	Lower	Upper
196	100		
198	99.9	77.2	115.8
200	31.3	23.9	35.9

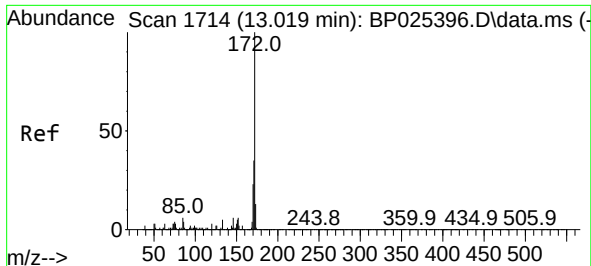


#44
2,4,5-Trichlorophenol
Concen: 9.006 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:196 Resp: 73744

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.2
97	48.2	41.2	61.8
132	27.6	22.6	34.0

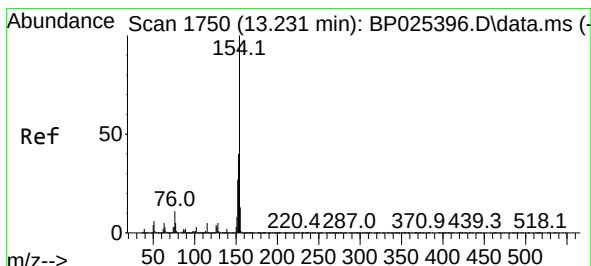
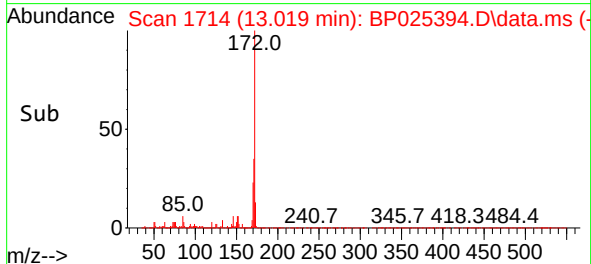
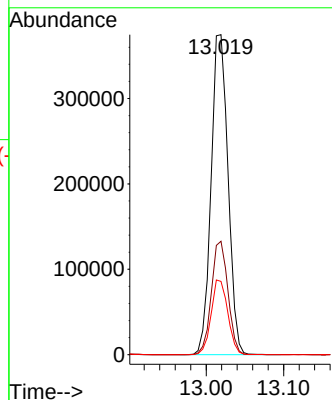
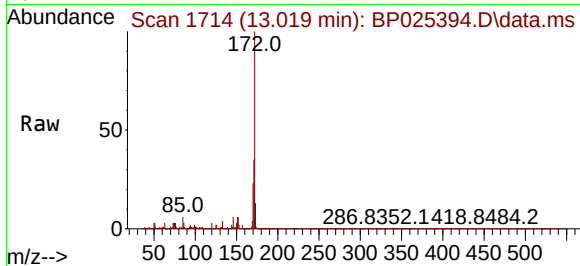




#45
2-Fluorobiphenyl
Concen: 20.271 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

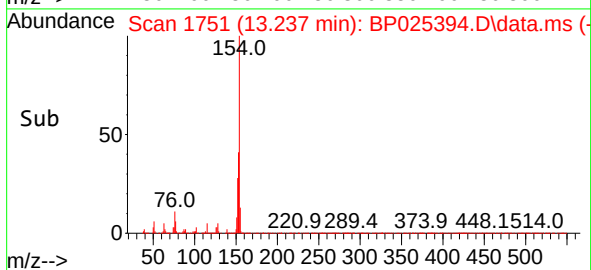
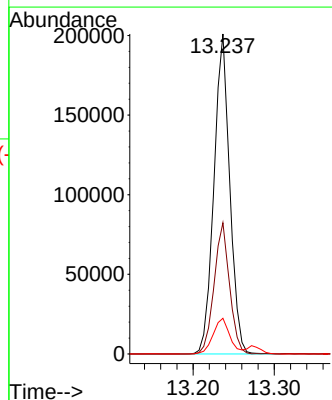
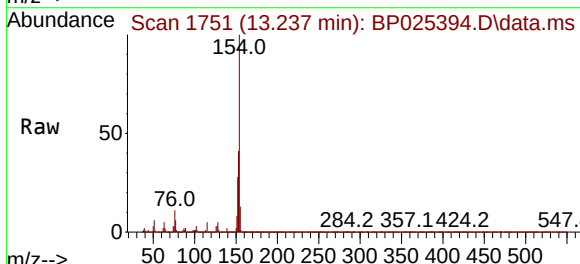
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

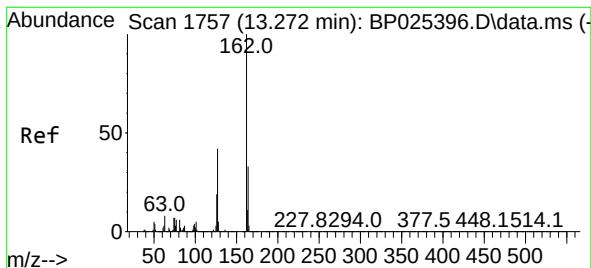
Tgt Ion:172 Resp: 568359
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 22.9 18.6 28.0



#46
1,1'-Biphenyl
Concen: 9.763 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:154 Resp: 271710
Ion Ratio Lower Upper
154 100
153 41.0 19.5 59.5
76 11.2 0.0 31.1

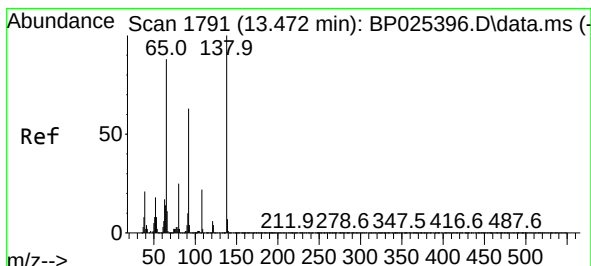
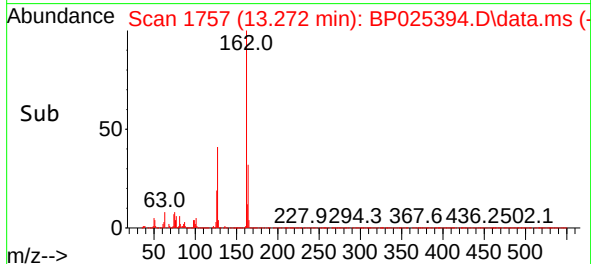
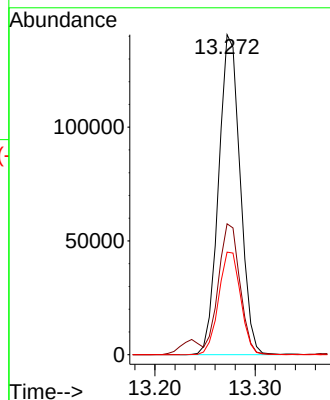
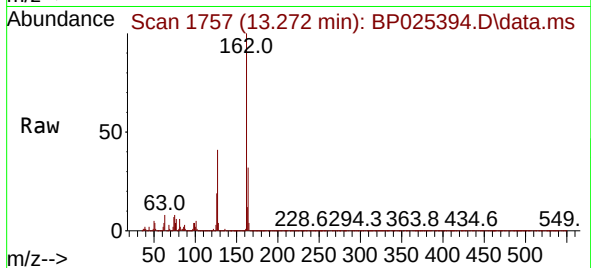




#47
2-Chloronaphthalene
Concen: 9.666 ng
RT: 13.272 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

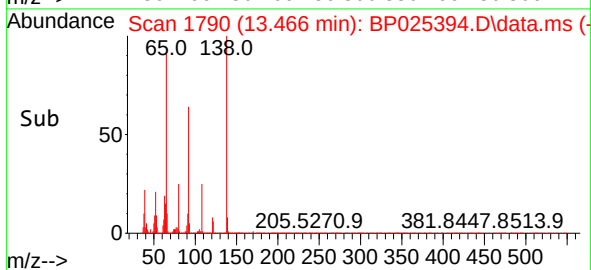
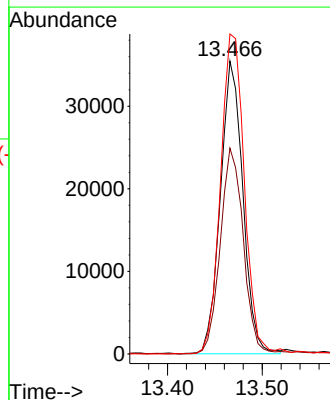
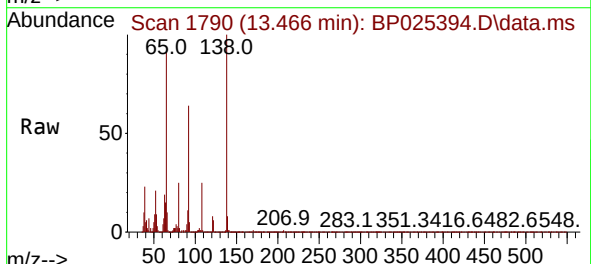
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

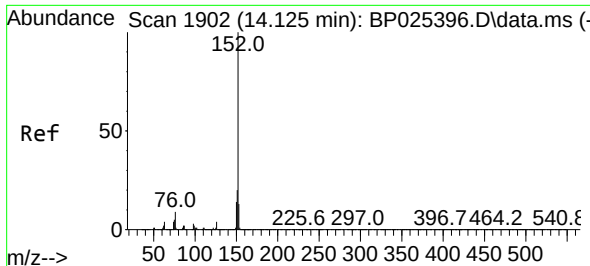
Tgt Ion:162 Resp: 209419
Ion Ratio Lower Upper
162 100
127 40.9 33.4 50.2
164 32.0 26.2 39.2



#48
2-Nitroaniline
Concen: 9.287 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 65 Resp: 58630
Ion Ratio Lower Upper
65 100
92 70.3 57.6 86.4
138 109.3 91.0 136.6

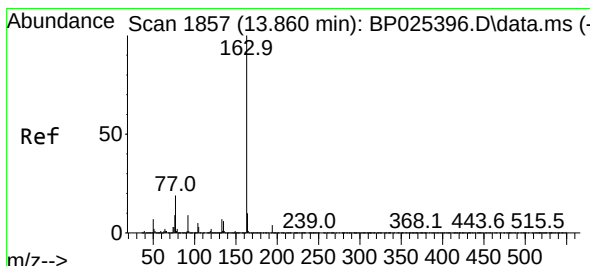
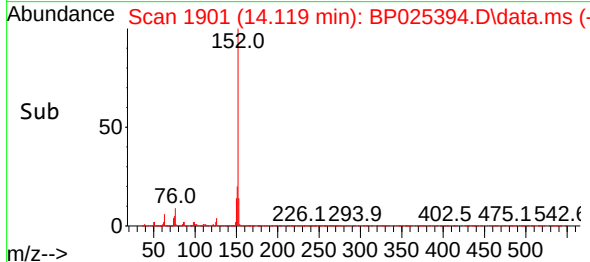
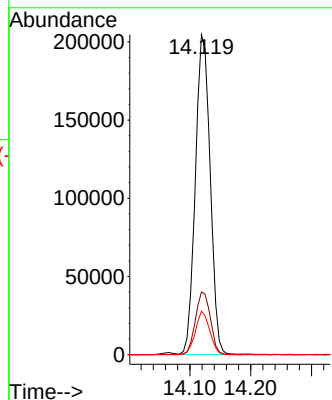
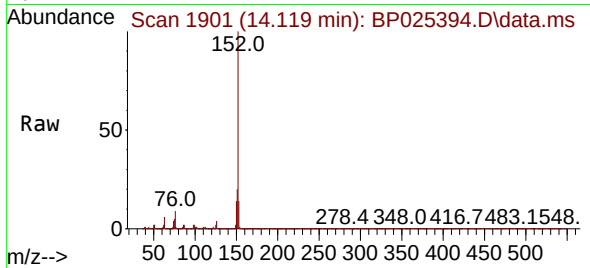




#49
Acenaphthylene
Concen: 9.652 ng
RT: 14.119 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

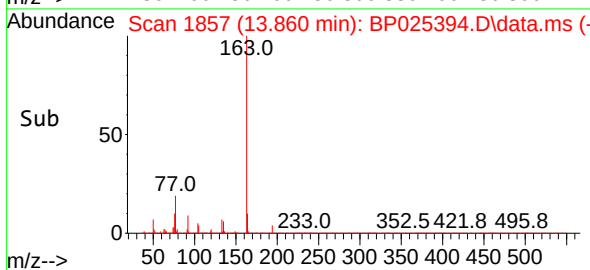
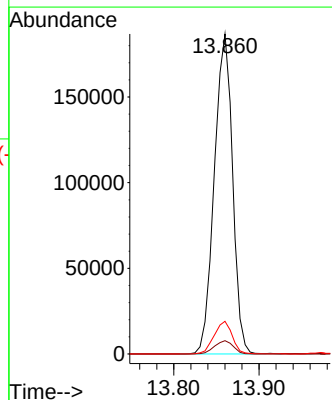
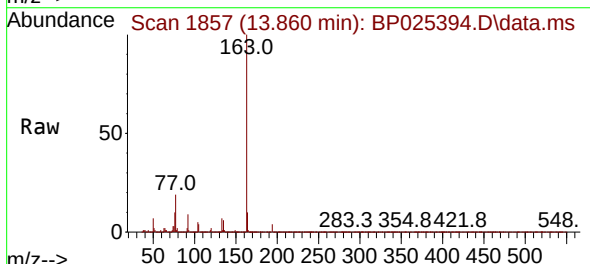
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

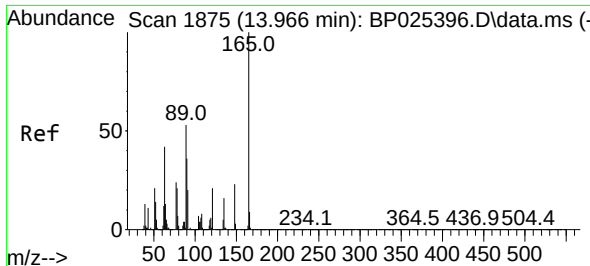
Tgt Ion:	152	Resp:	346021
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.0	24.0
153	13.6	10.6	15.8



#50
Dimethylphthalate
Concen: 9.896 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	163	Resp:	277701
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9

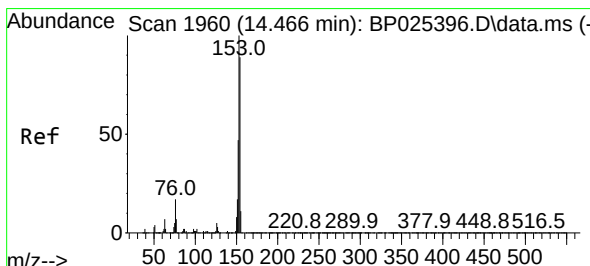
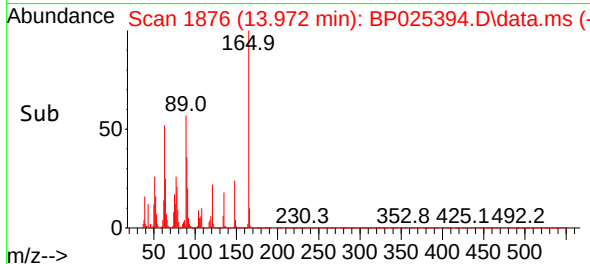
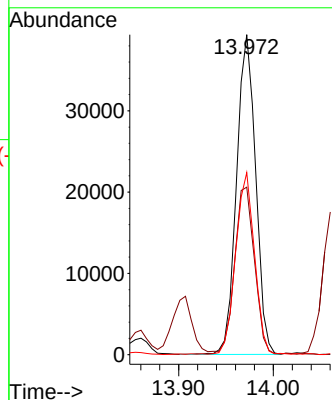
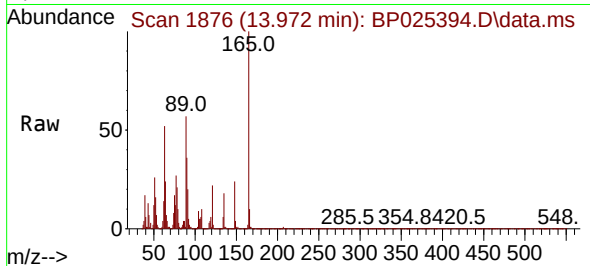




#51
2,6-Dinitrotoluene
Concen: 9.292 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

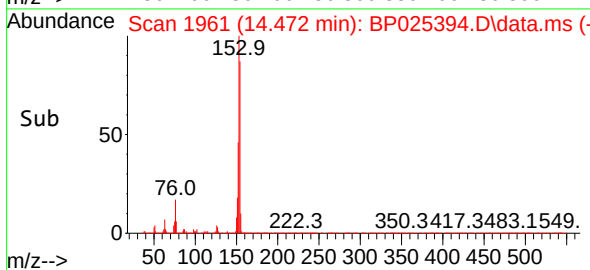
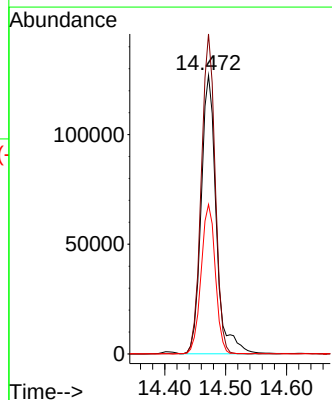
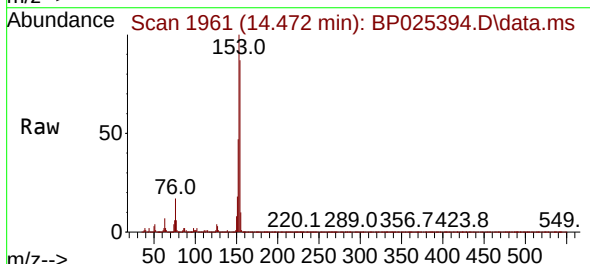
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

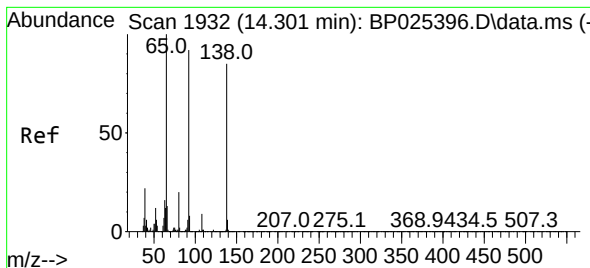
Tgt Ion:165 Resp: 54957
Ion Ratio Lower Upper
165 100
63 52.3 40.9 61.3
89 56.9 42.1 63.1



#52
Acenaphthene
Concen: 10.373 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:154 Resp: 218284
Ion Ratio Lower Upper
154 100
153 114.8 90.2 135.2
152 53.6 42.1 63.1

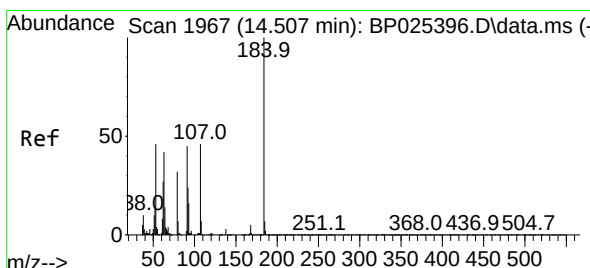
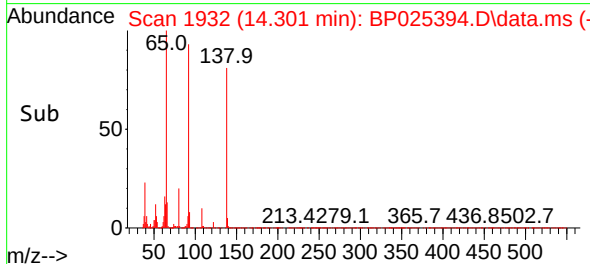
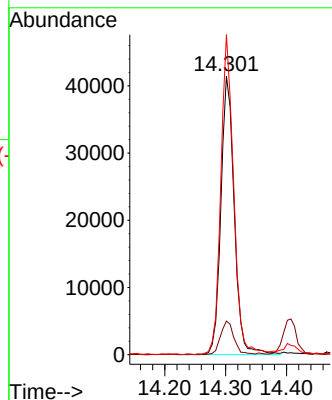
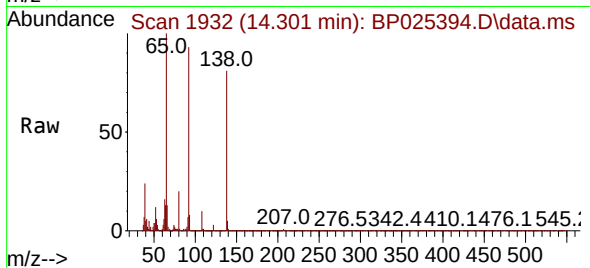




#53
3-Nitroaniline
Concen: 9.466 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

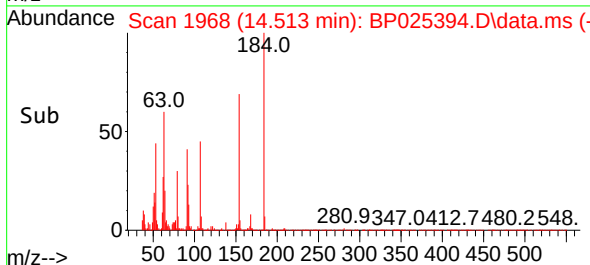
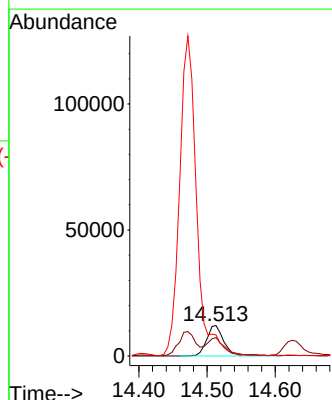
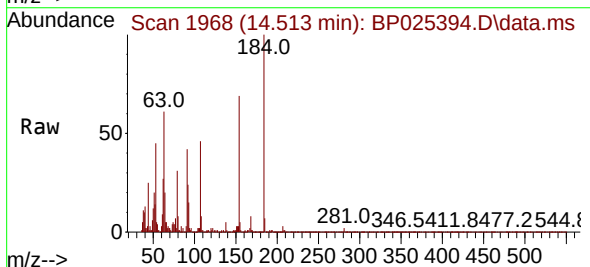
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

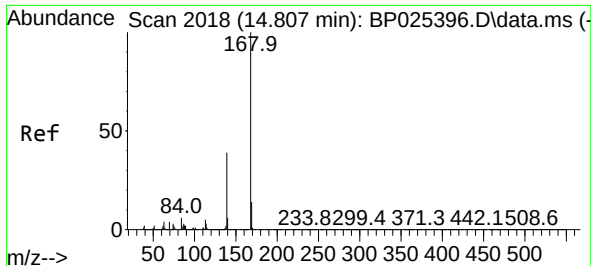
Tgt Ion:138 Resp: 62991
Ion Ratio Lower Upper
138 100
108 12.1 8.3 12.5
92 114.9 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 6.886 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:184 Resp: 21748
Ion Ratio Lower Upper
184 100
63 60.8 49.4 74.2
154 69.1 54.6 82.0

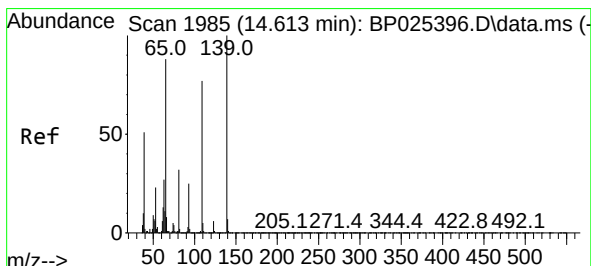
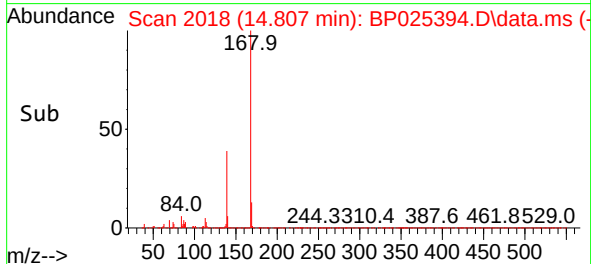
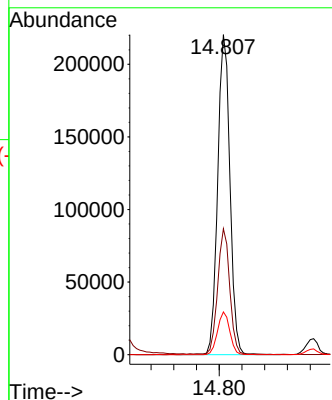
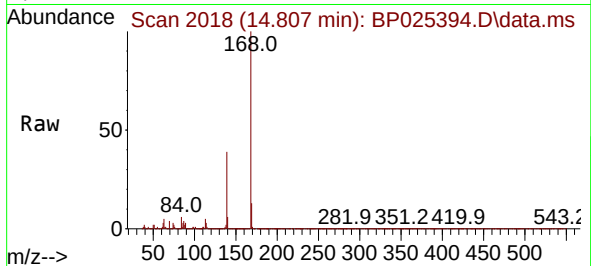




#55
Dibenzofuran
Concen: 9.851 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

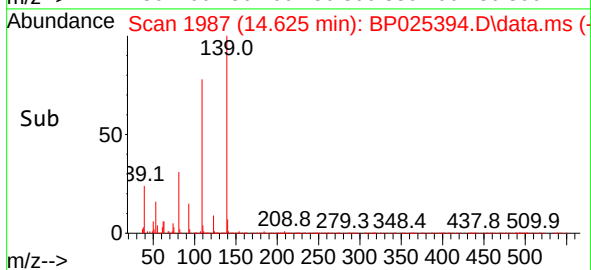
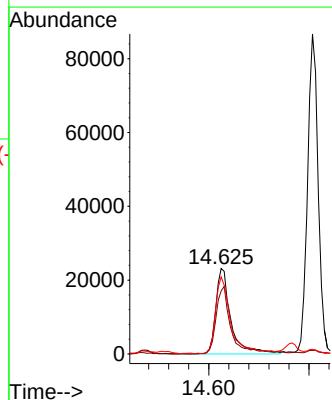
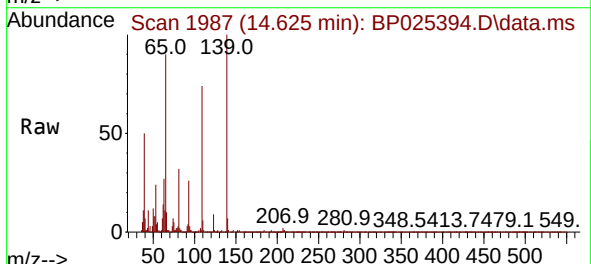
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

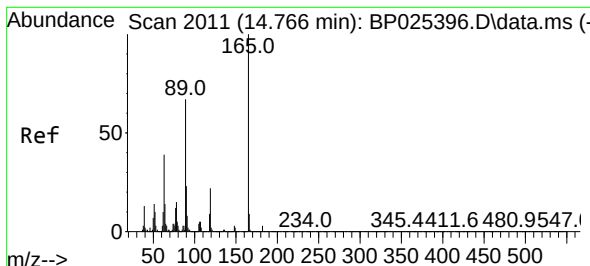
Tgt Ion:168 Resp: 327734
Ion Ratio Lower Upper
168 100
139 39.3 31.5 47.3
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 8.797 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:139 Resp: 48103
Ion Ratio Lower Upper
139 100
109 73.8 56.6 96.6
65 90.2 68.2 108.2

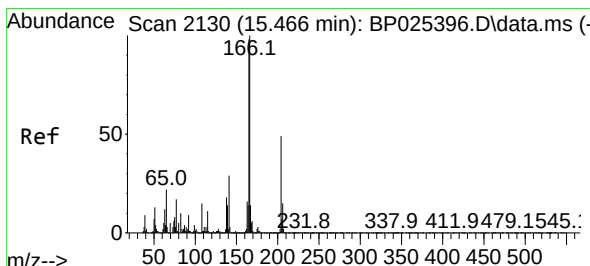
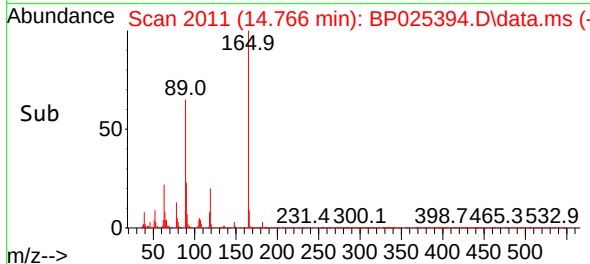
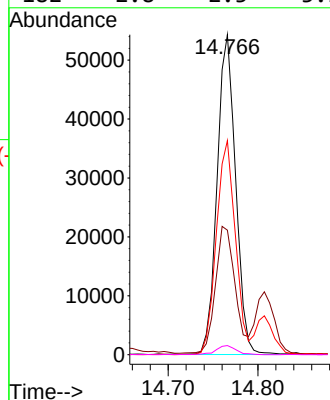
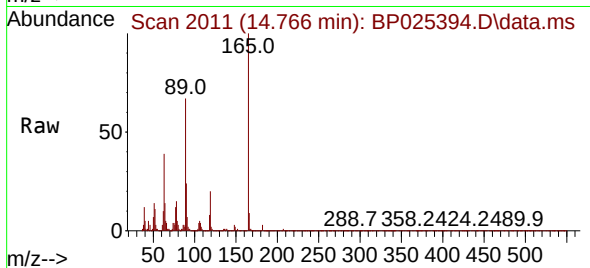




#57
2,4-Dinitrotoluene
Concen: 9.237 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

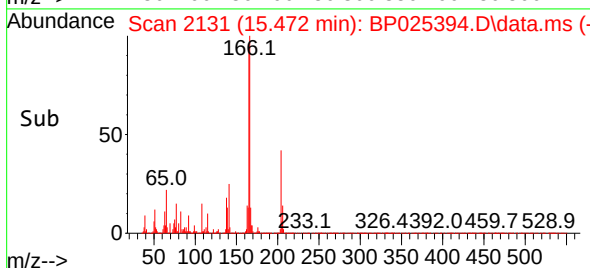
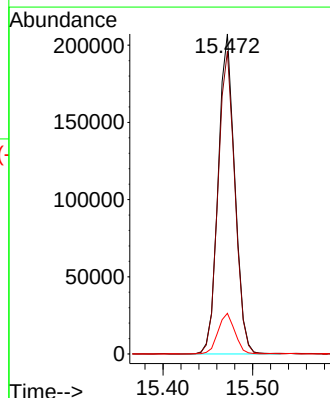
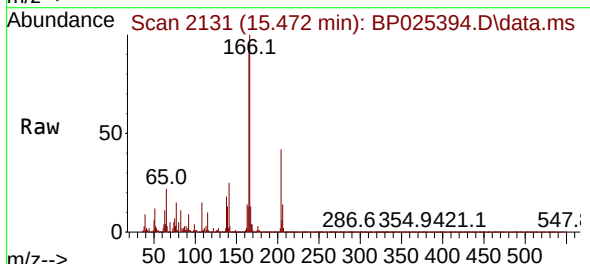
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

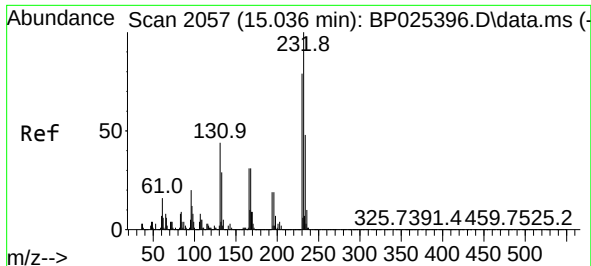
Tgt Ion:	165	Resp:	77950
Ion Ratio	Lower	Upper	
165	100		
63	38.9	31.4	47.2
89	66.9	53.3	79.9
182	2.8	2.3	3.5



#58
Fluorene
Concen: 10.156 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	166	Resp:	266610
Ion Ratio	Lower	Upper	
166	100		
165	94.6	78.8	118.2
167	12.7	11.0	16.4

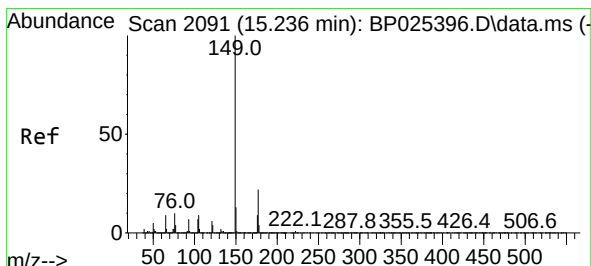
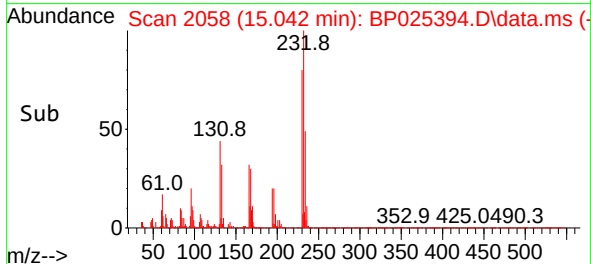
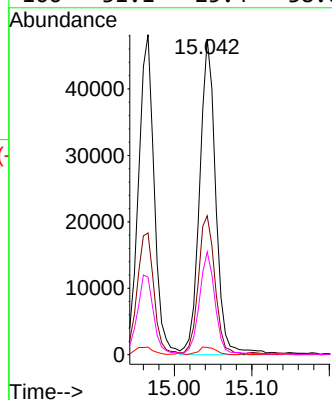
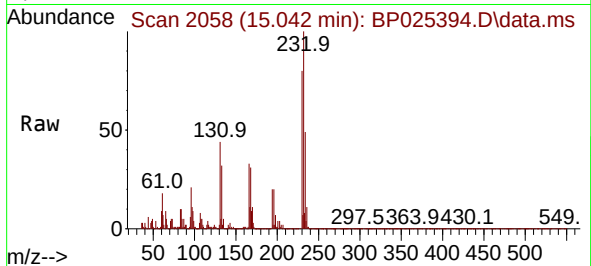




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.533 ng
RT: 15.042 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

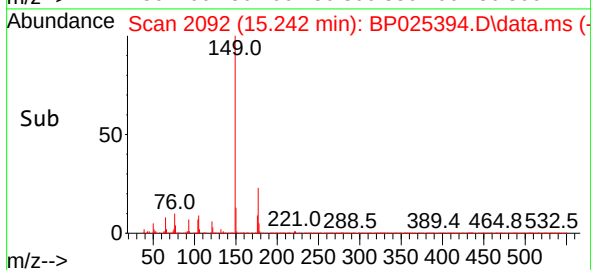
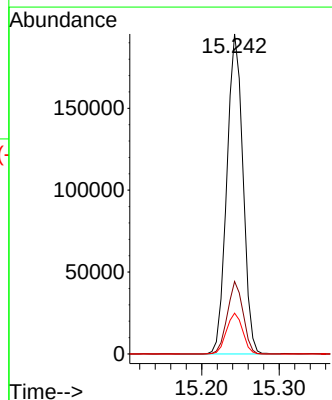
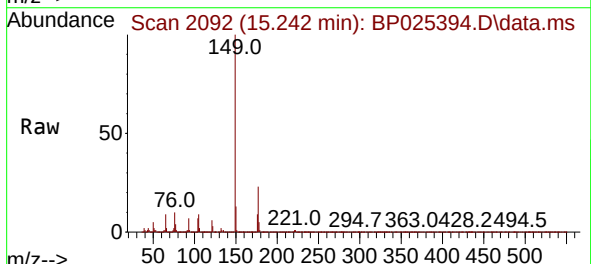
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

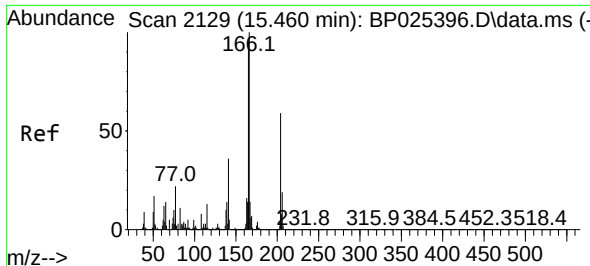
Tgt Ion:232	Resp:	68931
Ion Ratio	Lower	Upper
232	100	
131	45.2	37.0 55.6
130	2.5	1.9 2.9
166	31.1	25.4 38.0



#60
Diethylphthalate
Concen: 9.909 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149	Resp:	282526
Ion Ratio	Lower	Upper
149	100	
177	22.7	17.3 25.9
150	12.8	10.3 15.5

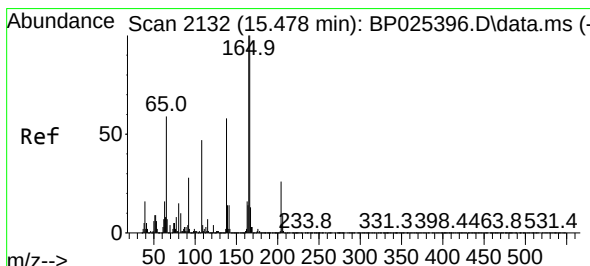
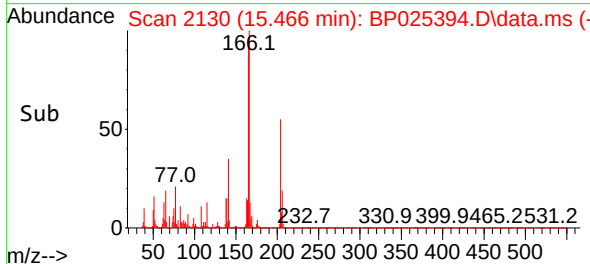
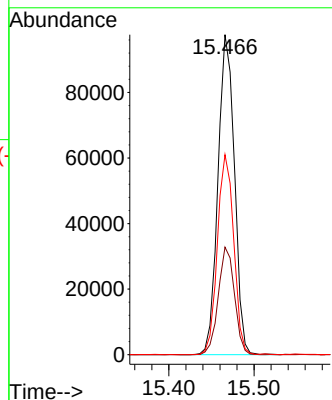
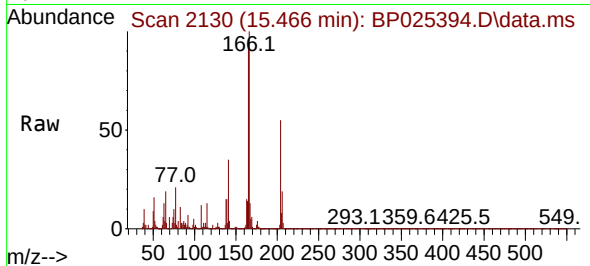




#61
4-Chlorophenyl-phenylether
Concen: 10.044 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

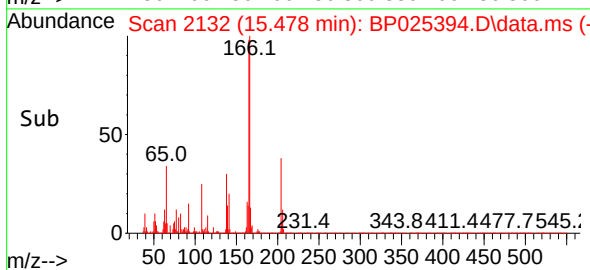
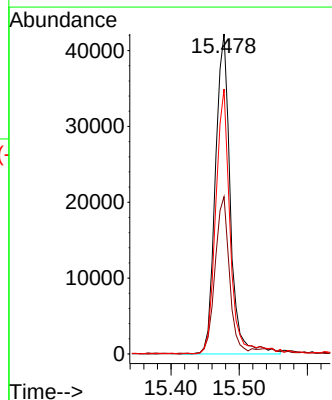
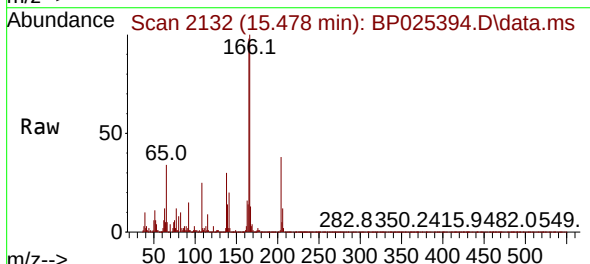
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

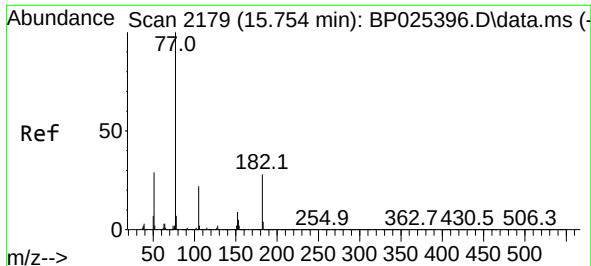
Tgt Ion:204 Resp: 131137
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 62.5 49.4 74.2



#62
4-Nitroaniline
Concen: 9.437 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:138 Resp: 64375
Ion Ratio Lower Upper
138 100
92 49.1 29.1 69.1
108 82.8 61.5 101.5

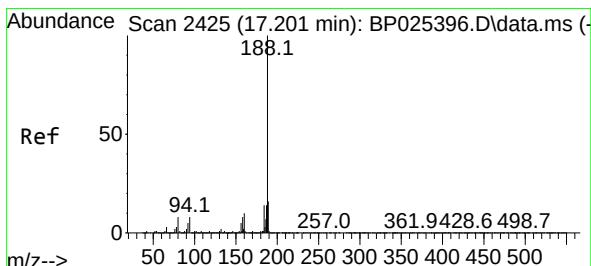
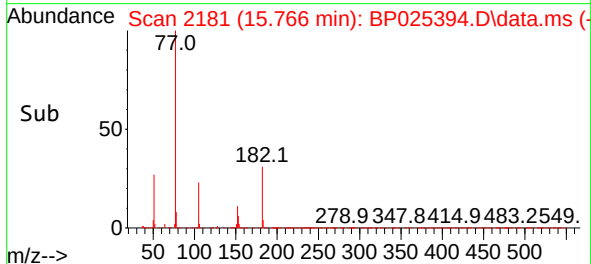
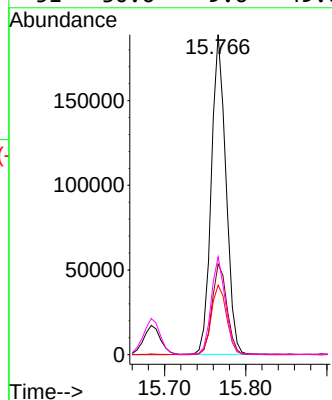
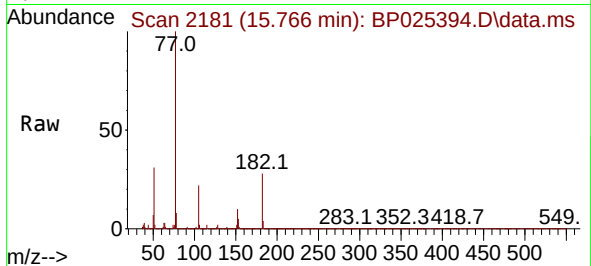




#63
Azobenzene
Concen: 9.620 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

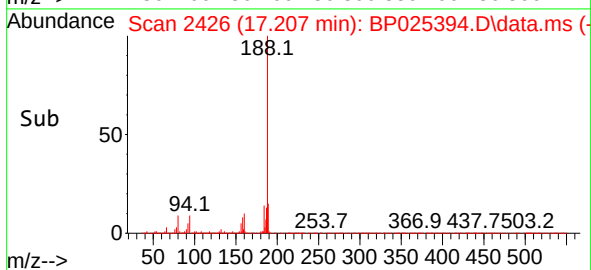
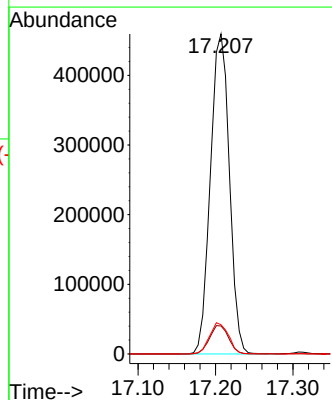
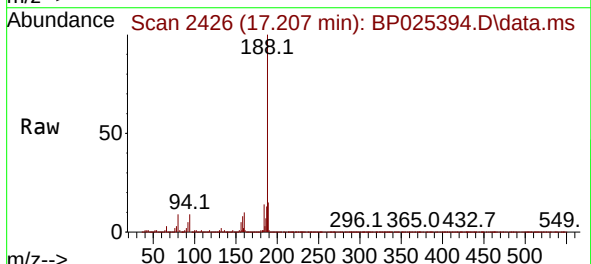
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

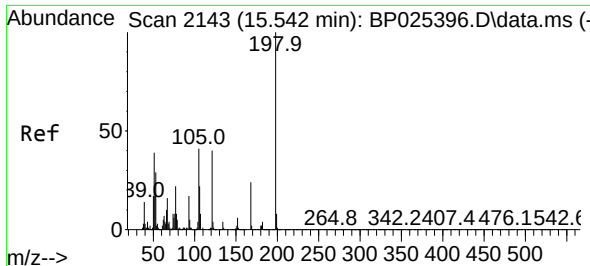
Tgt Ion: 77	Resp: 234879
Ion Ratio	Lower Upper
77 100	
182 28.3	7.5 47.5
105 21.7	2.1 42.1
51 30.6	9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:188	Resp: 780940
Ion Ratio	Lower Upper
188 100	
94 8.7	6.6 10.0
80 9.1	6.7 10.1

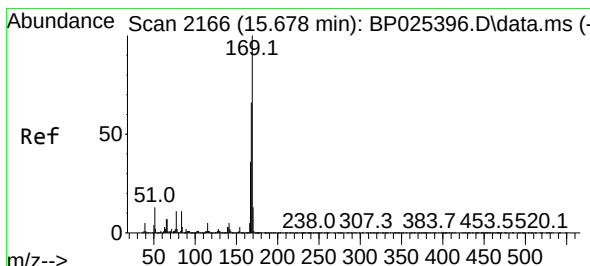
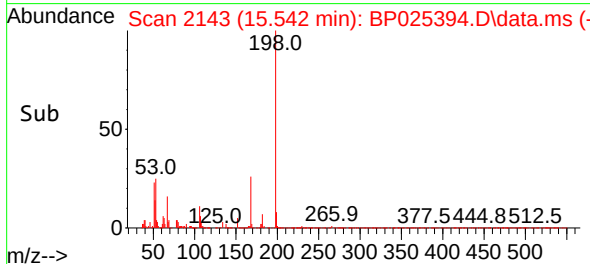
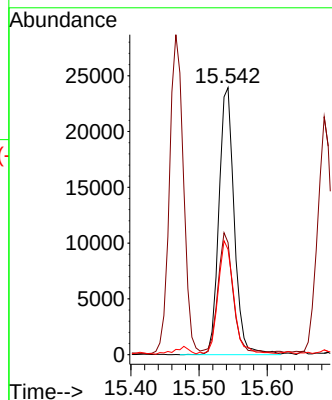
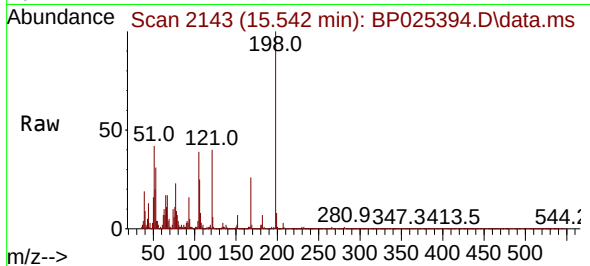




#65
4,6-Dinitro-2-methylphenol
Concen: 7.679 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

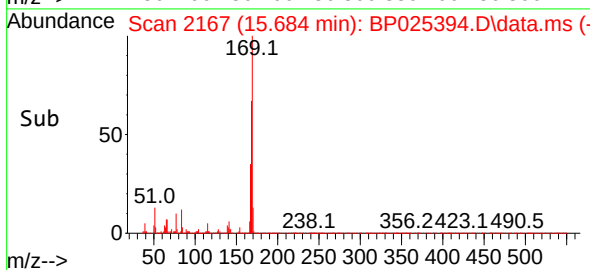
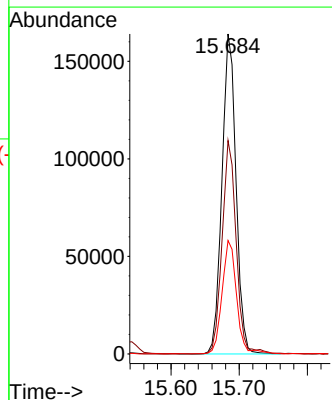
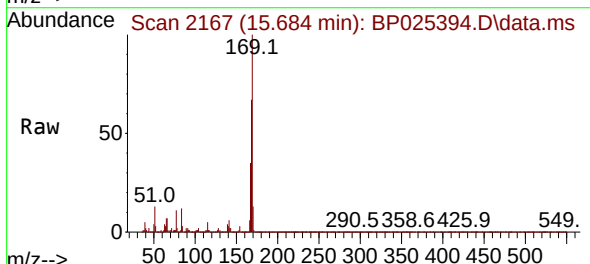
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

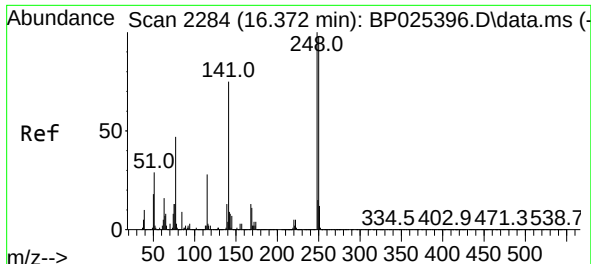
Tgt Ion:	198	Resp:	37380
Ion Ratio	Lower	Upper	
198	100		
51	42.0	19.6	59.6
105	39.4	20.9	60.9



#66
n-Nitrosodiphenylamine
Concen: 9.883 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:	169	Resp:	235344
Ion Ratio	Lower	Upper	
169	100		
168	66.7	53.2	79.8
167	35.5	28.7	43.1

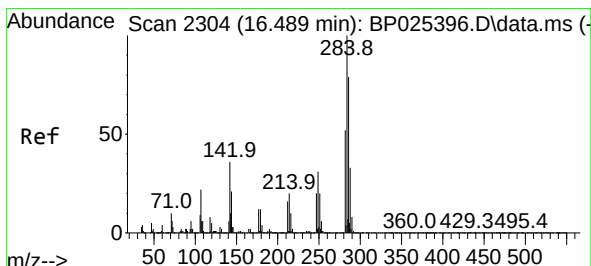
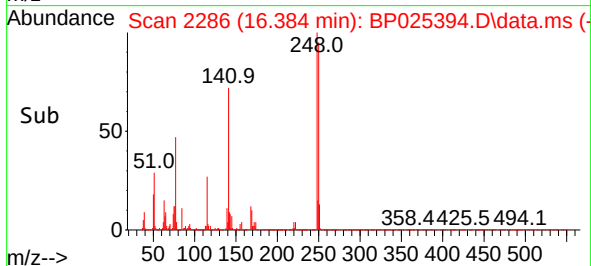
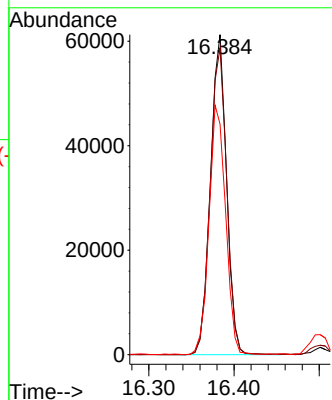
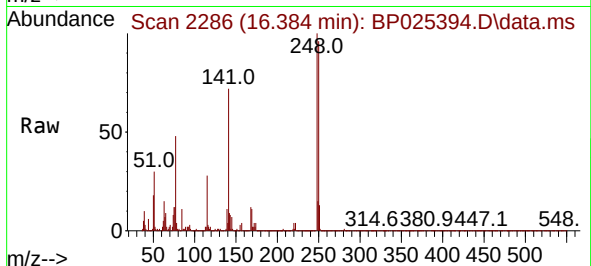




#67
4-Bromophenyl-phenylether
Concen: 9.358 ng
RT: 16.384 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

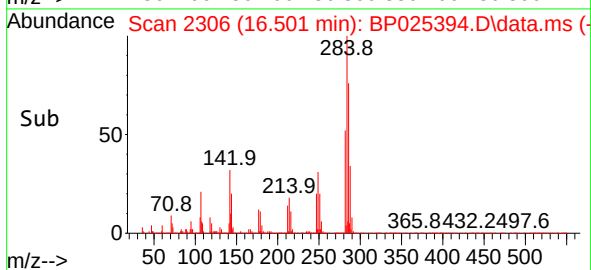
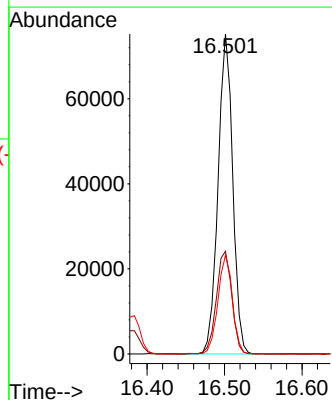
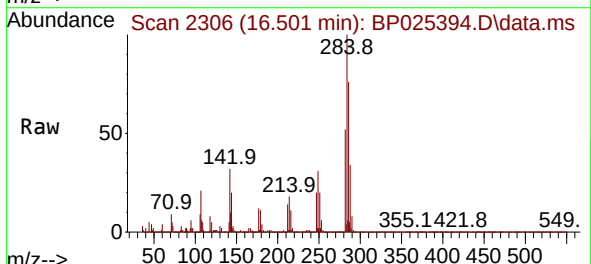
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

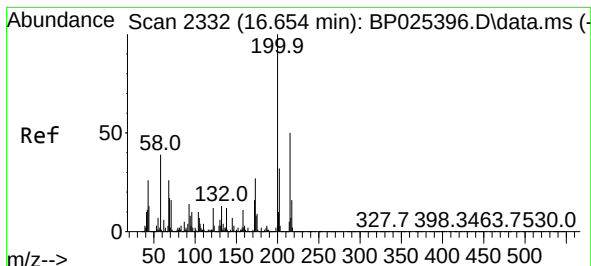
Tgt Ion:248 Resp: 80373
Ion Ratio Lower Upper
248 100
250 95.9 78.2 117.2
141 72.1 59.6 89.4



#68
Hexachlorobenzene
Concen: 9.905 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:284 Resp: 98614
Ion Ratio Lower Upper
284 100
142 32.1 29.1 43.7
249 30.8 25.0 37.4





#69

Atrazine

Concen: 9.894 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

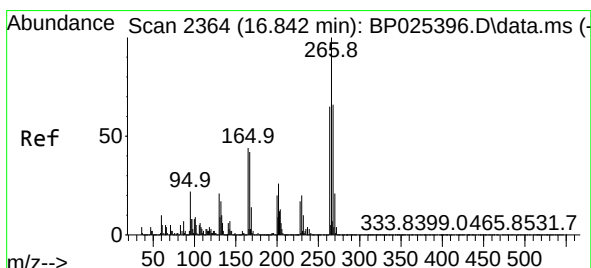
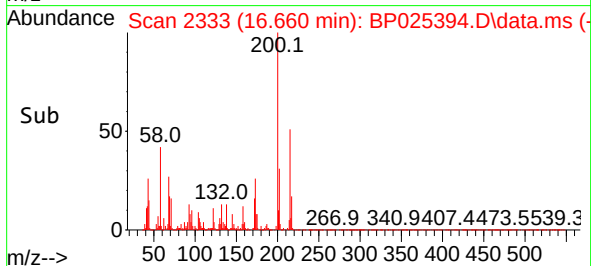
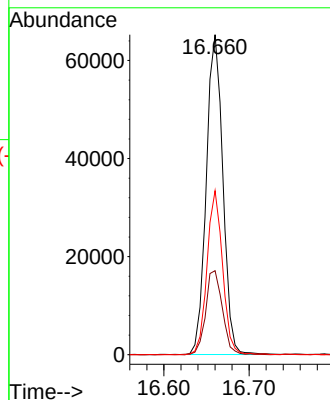
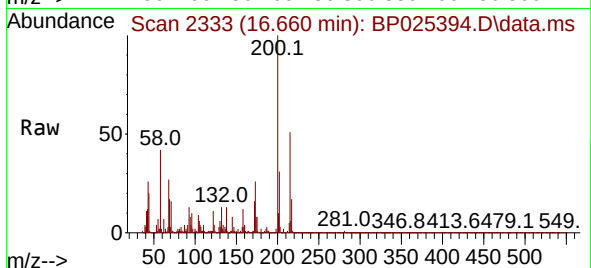
Tgt Ion:200 Resp: 88240

Ion Ratio Lower Upper

200 100

173 26.2 6.7 46.7

215 51.3 29.7 69.7



#70

Pentachlorophenol

Concen: 8.360 ng

RT: 16.854 min Scan# 2366

Delta R.T. 0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

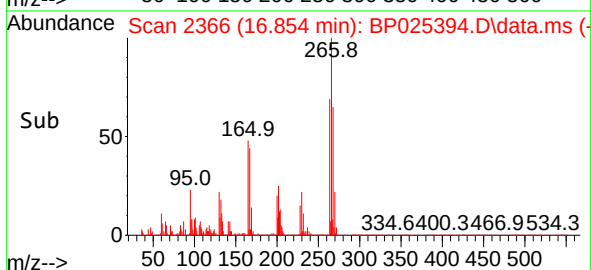
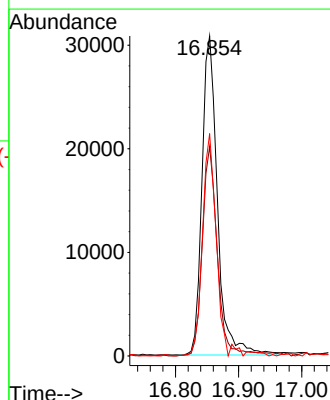
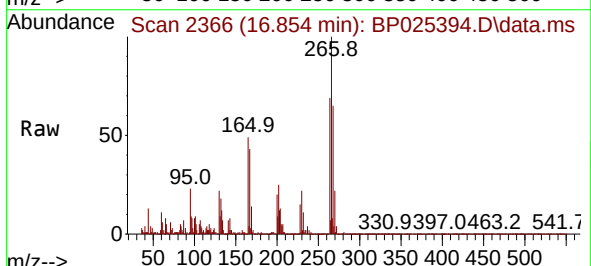
Tgt Ion:266 Resp: 52539

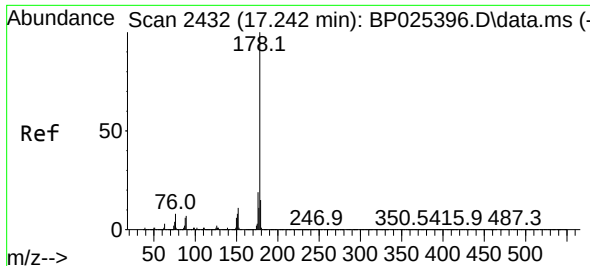
Ion Ratio Lower Upper

266 100

268 65.4 52.6 79.0

264 69.5 52.0 78.0

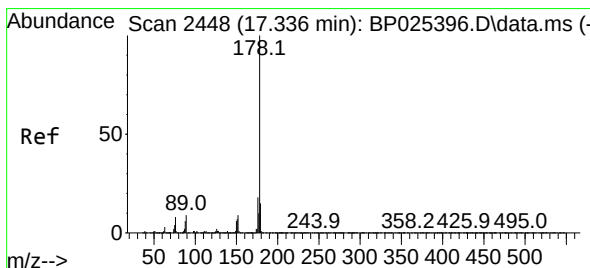
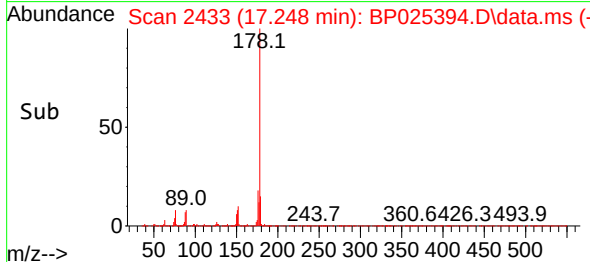
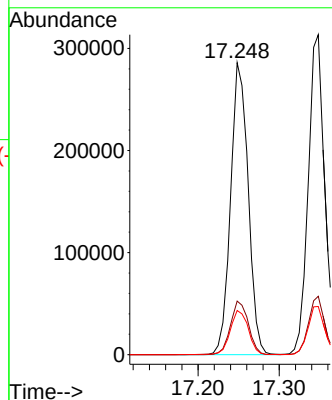
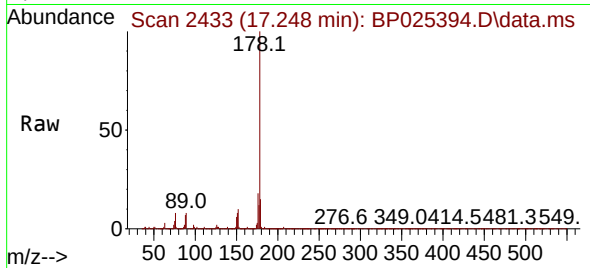




#71
Phenanthrene
Concen: 10.018 ng
RT: 17.248 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

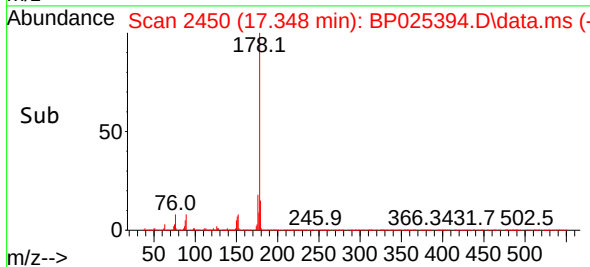
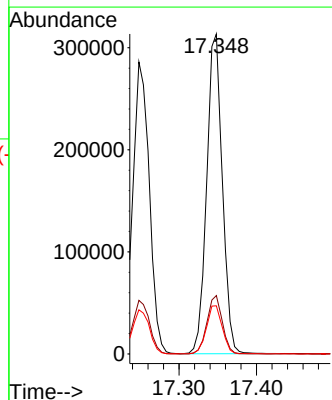
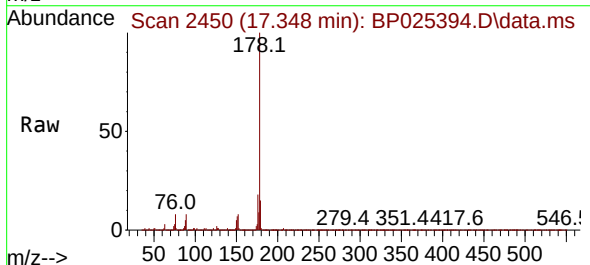
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

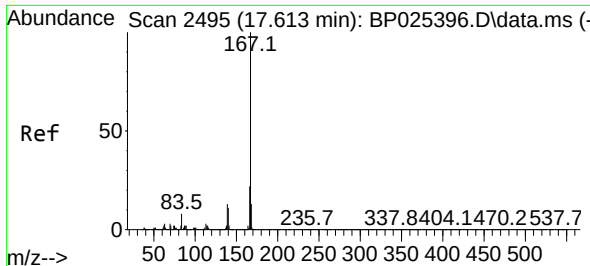
Tgt Ion:178 Resp: 429752
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.1 12.2 18.4



#72
Anthracene
Concen: 10.020 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:178 Resp: 438953
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.1 12.2 18.2

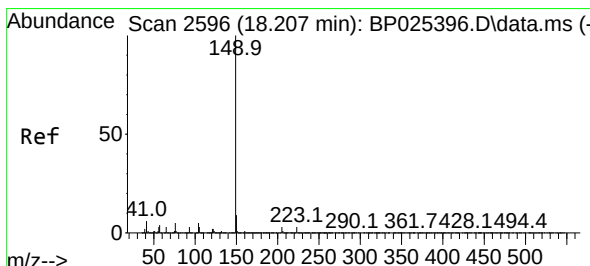
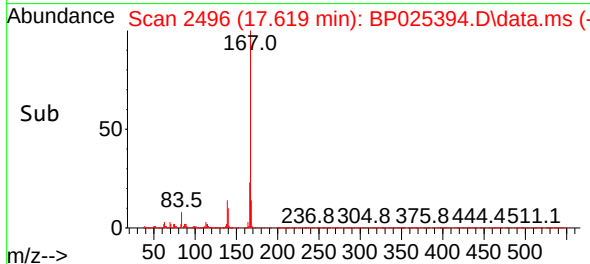
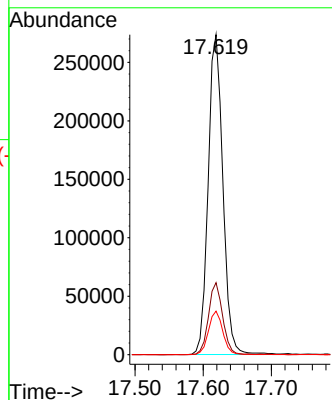
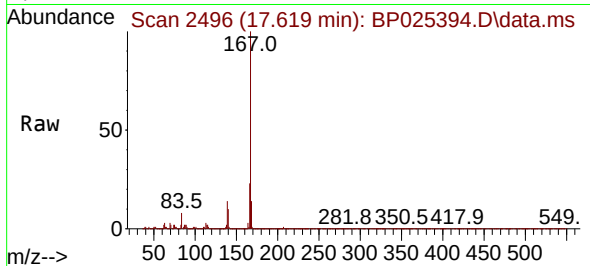




#73
 Carbazole
 Concen: 9.954 ng
 RT: 17.619 min Scan# 2495
 Delta R.T. 0.006 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

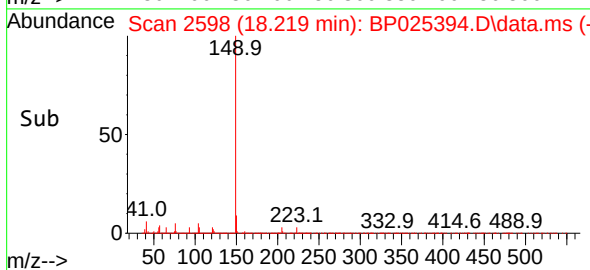
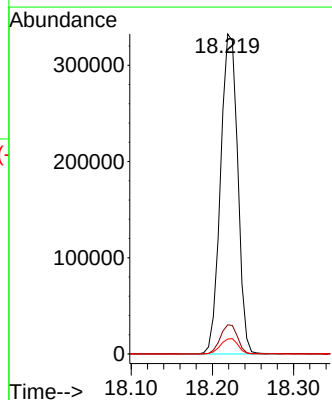
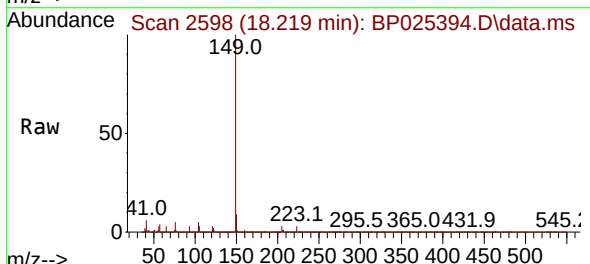
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

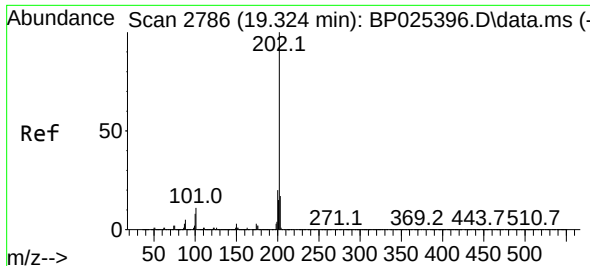
Tgt Ion:	167	Resp:	410726
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.5	26.3
139	13.6	10.6	16.0



#74
 Di-n-butylphthalate
 Concen: 9.656 ng
 RT: 18.219 min Scan# 2598
 Delta R.T. 0.012 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

Tgt Ion:	149	Resp:	490232
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.4	11.0
104	4.7	4.2	6.2

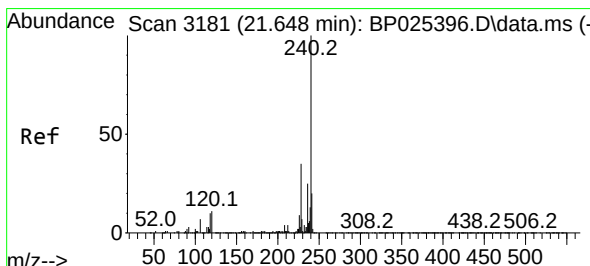
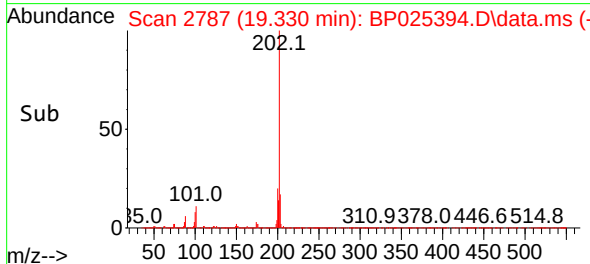
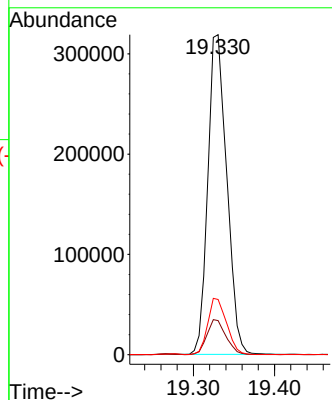
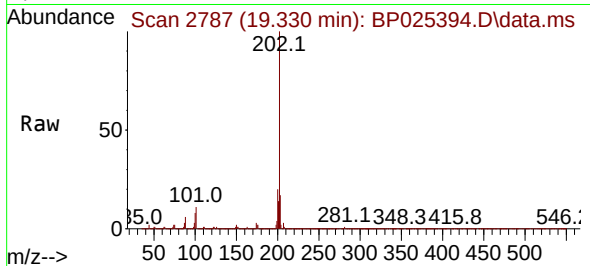




#75
Fluoranthene
Concen: 10.094 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

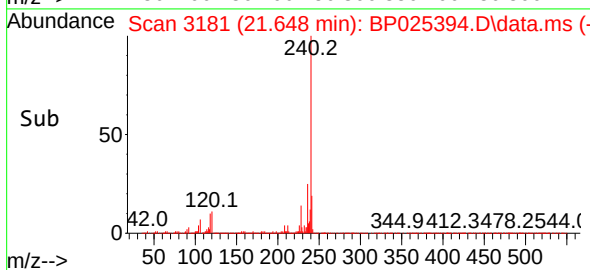
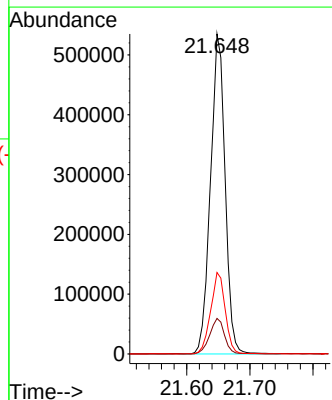
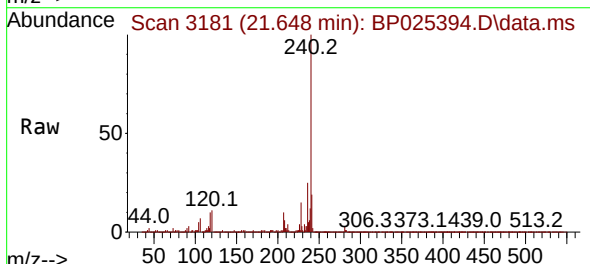
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

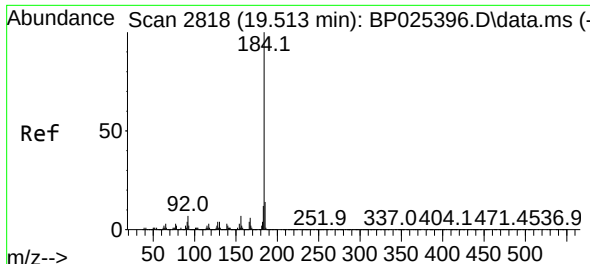
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.1
203	17.2	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	25.5	19.8	29.8

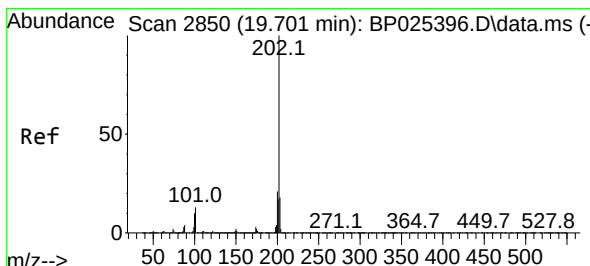
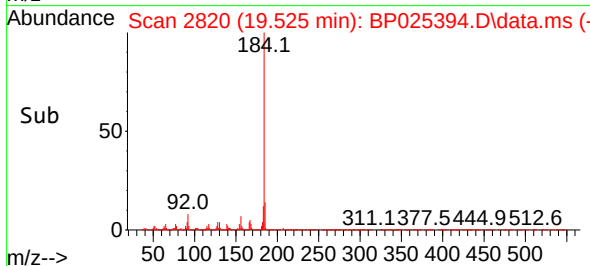
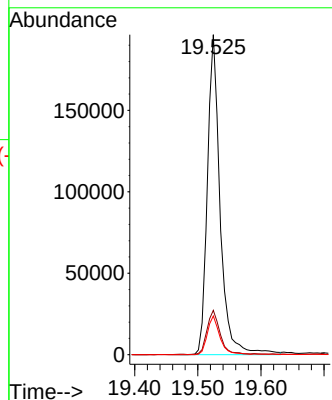
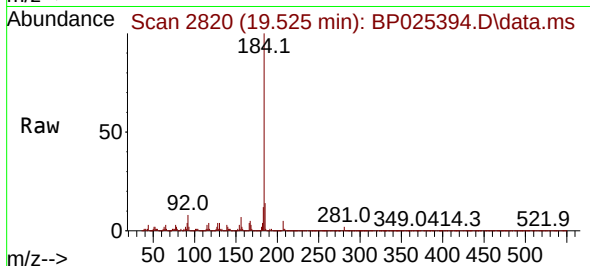




#77
Benzidine
Concen: 9.406 ng
RT: 19.525 min Scan# 2820
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

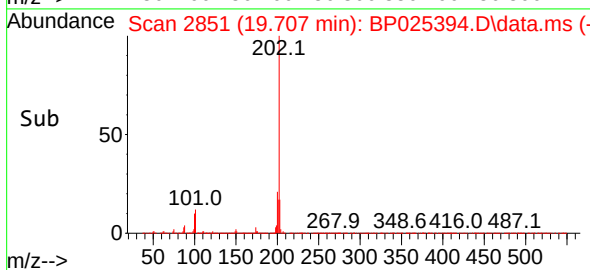
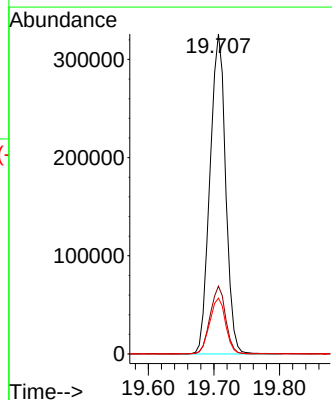
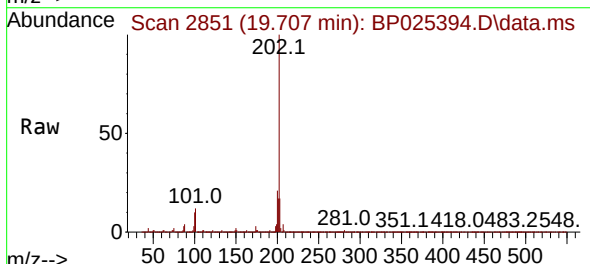
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

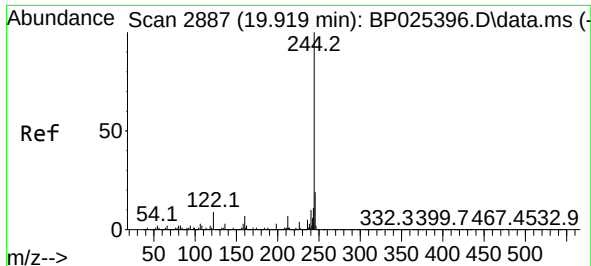
Tgt Ion:184 Resp: 276193
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 12.1 9.4 14.2



#78
Pyrene
Concen: 9.704 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:202 Resp: 542670
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.5 14.2 21.2

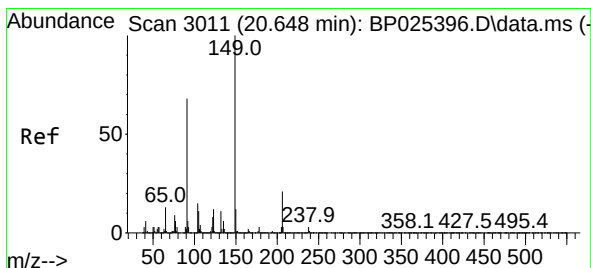
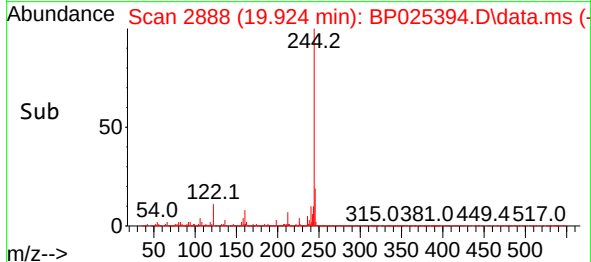
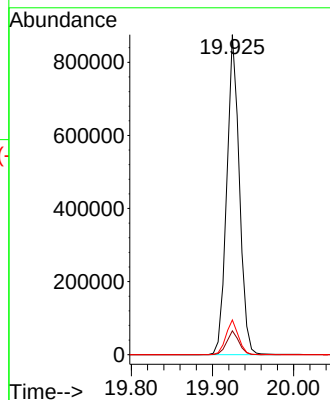
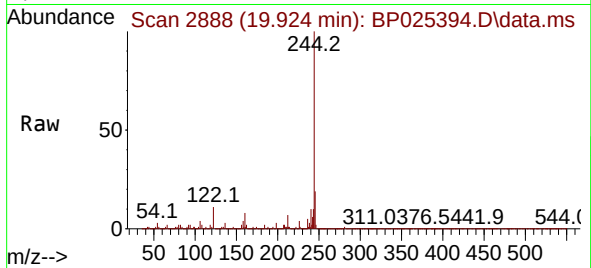




#79
 Terphenyl-d14
 Concen: 20.125 ng
 RT: 19.924 min Scan# 2888
 Delta R.T. 0.006 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

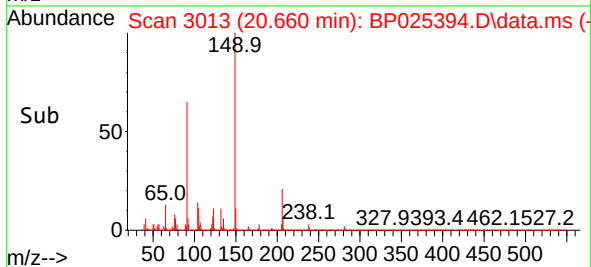
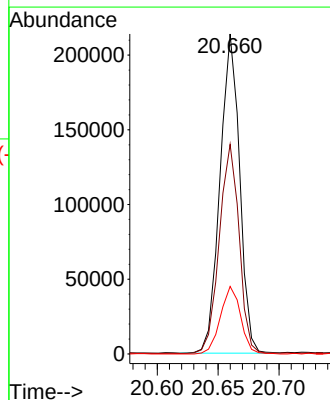
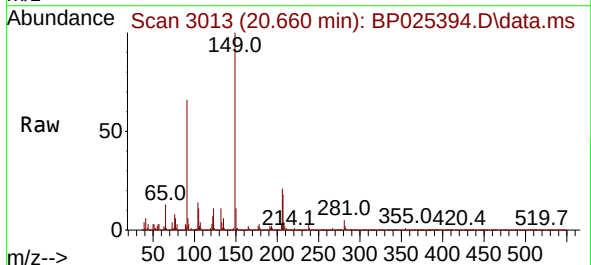
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

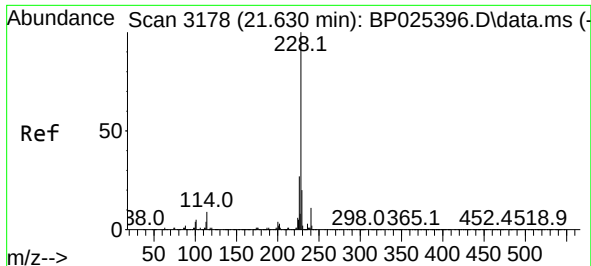
Tgt Ion:244 Resp: 946422
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 10.9 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 9.446 ng
 RT: 20.660 min Scan# 3013
 Delta R.T. 0.012 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 239416
 Ion Ratio Lower Upper
 149 100
 91 65.5 54.2 81.2
 206 21.1 16.6 24.8

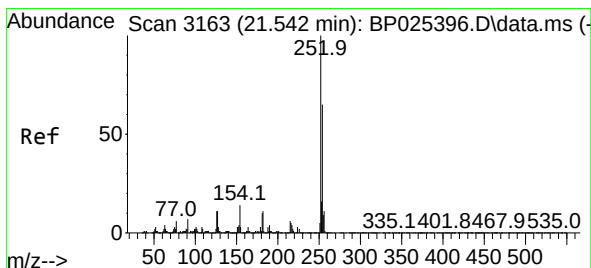
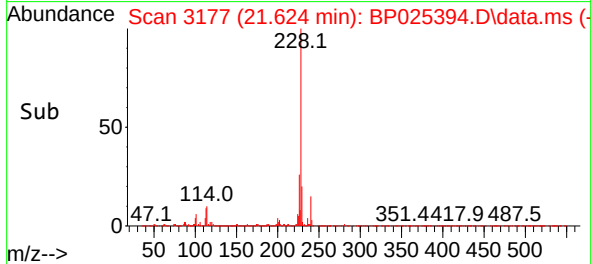
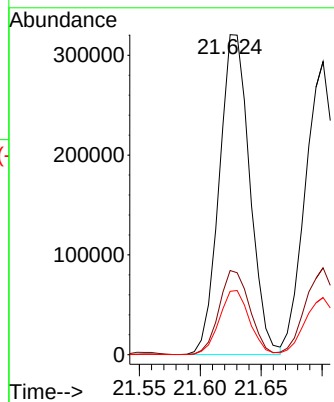
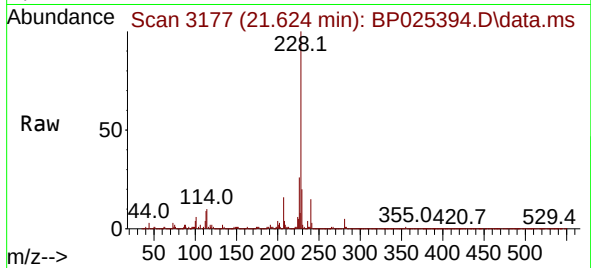




#81
Benzo(a)anthracene
Concen: 9.874 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

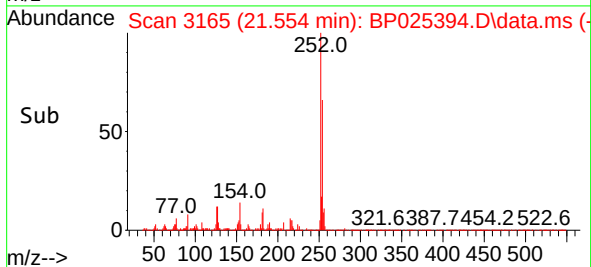
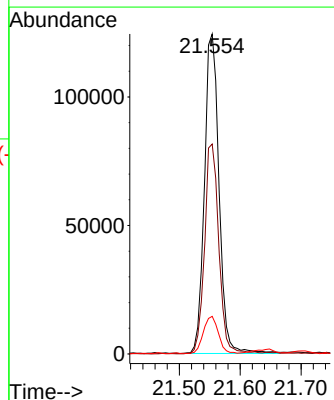
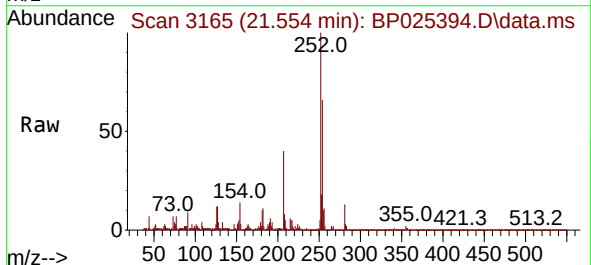
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

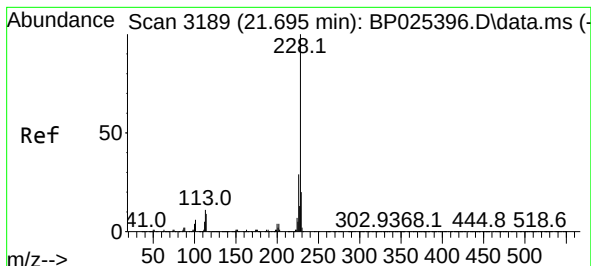
Tgt Ion:228 Resp: 560279
Ion Ratio Lower Upper
228 100
226 26.3 21.7 32.5
229 19.8 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 9.686 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 207153
Ion Ratio Lower Upper
252 100
254 65.6 51.8 77.6
126 11.7 9.1 13.7





#83

Chrysene

Concen: 9.831 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

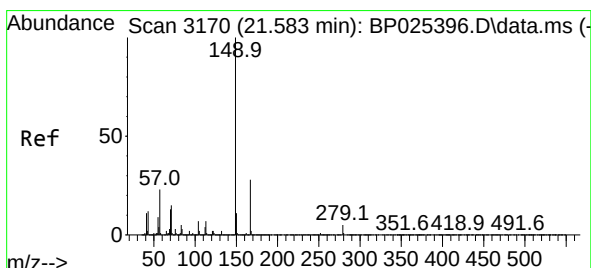
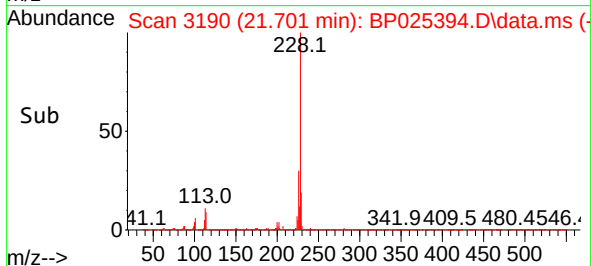
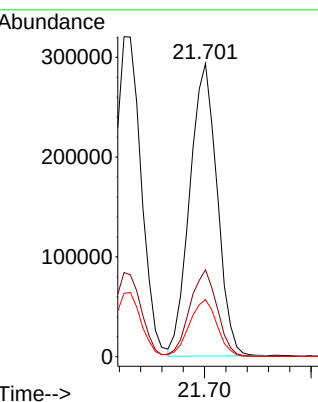
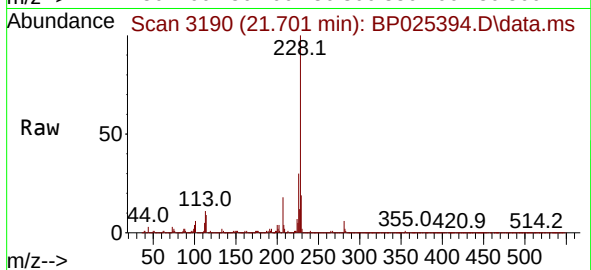
Tgt Ion:228 Resp: 522411

Ion Ratio Lower Upper

228 100

226 29.6 23.2 34.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.529 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

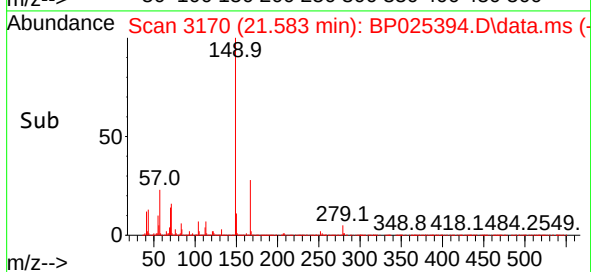
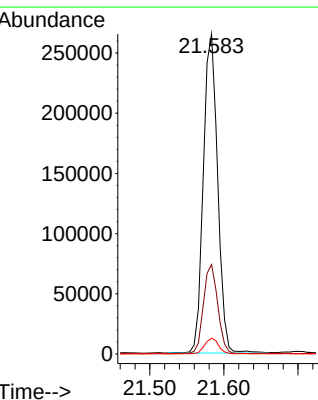
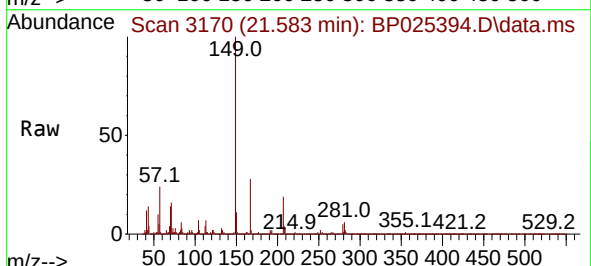
Tgt Ion:149 Resp: 355530

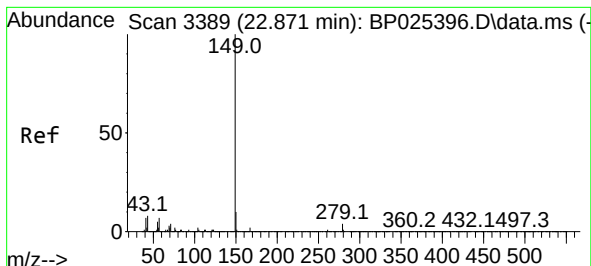
Ion Ratio Lower Upper

149 100

167 27.9 22.1 33.1

279 4.9 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 9.259 ng

RT: 22.877 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

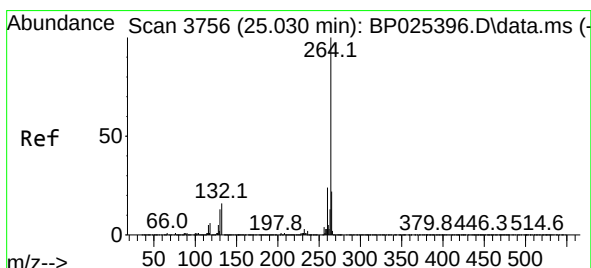
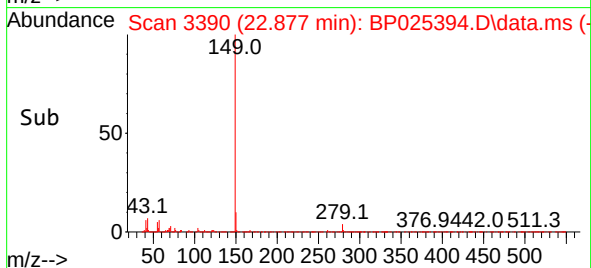
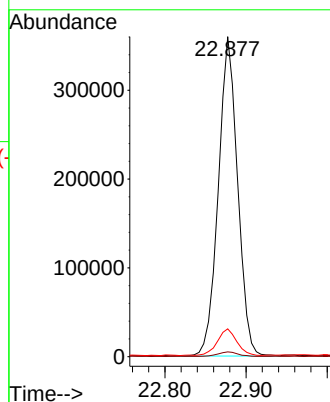
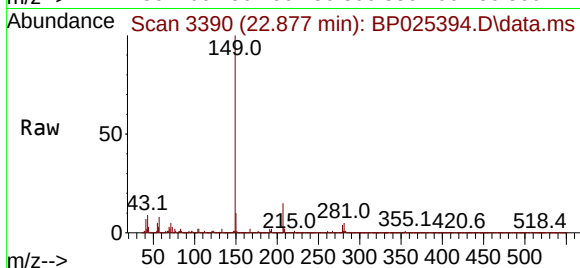
Tgt Ion:149 Resp: 594195

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.4 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.036 min Scan# 3757

Delta R.T. 0.006 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

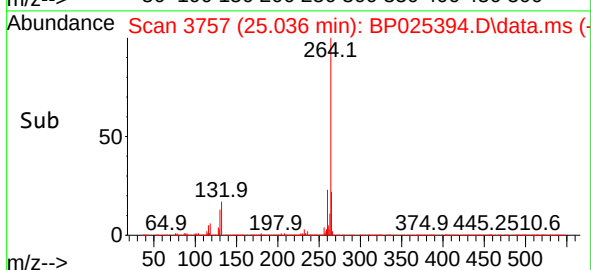
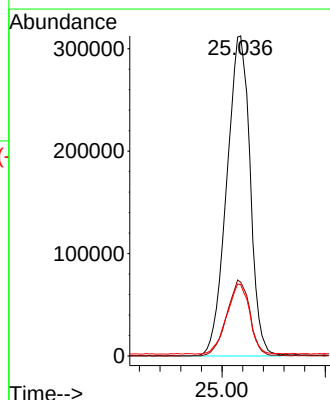
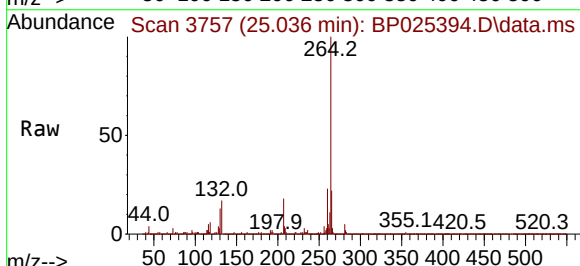
Tgt Ion:264 Resp: 980670

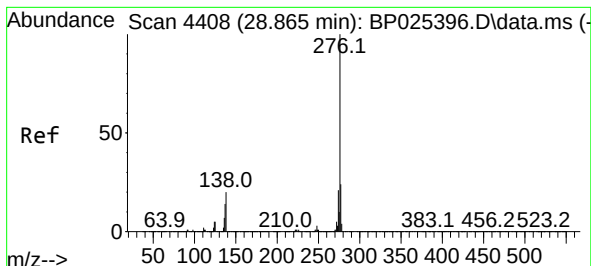
Ion Ratio Lower Upper

264 100

260 23.0 19.3 28.9

265 22.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.101 ng

RT: 28.853 min Scan# 4408

Delta R.T. -0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

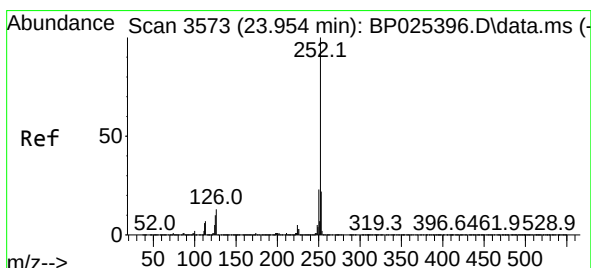
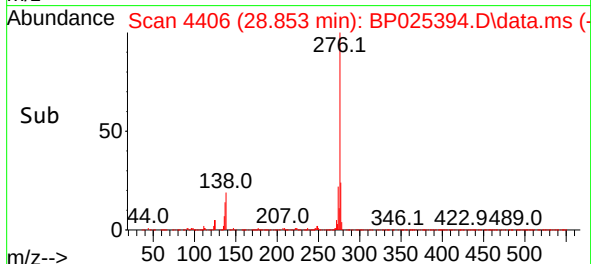
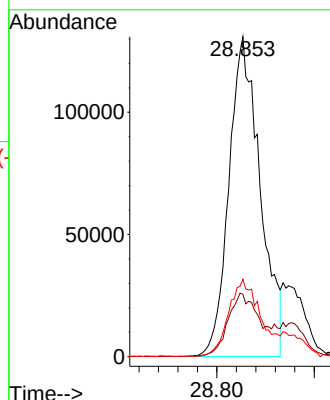
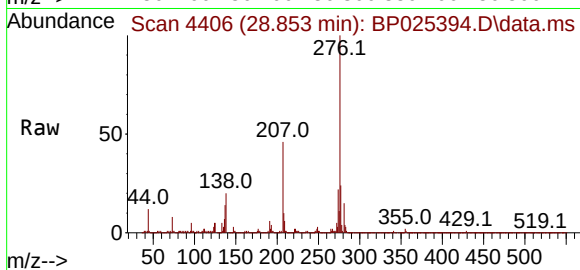
Tgt Ion:276 Resp: 582808

Ion Ratio Lower Upper

276 100

138 19.4 12.9 19.3#

277 24.6 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 9.549 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

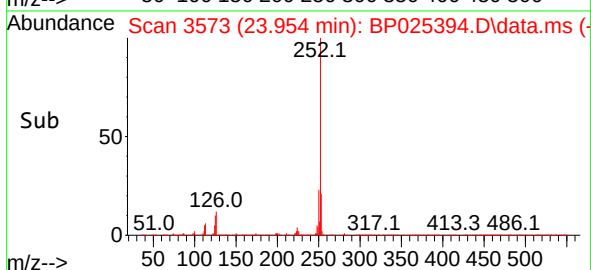
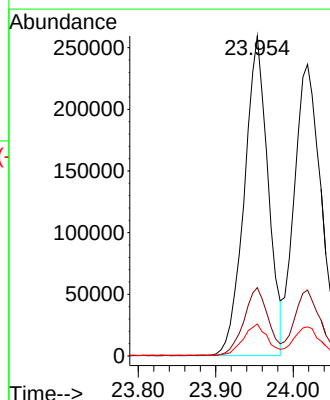
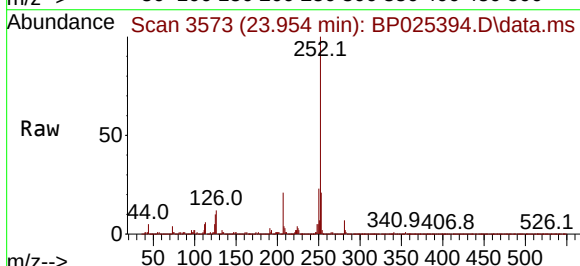
Tgt Ion:252 Resp: 552191

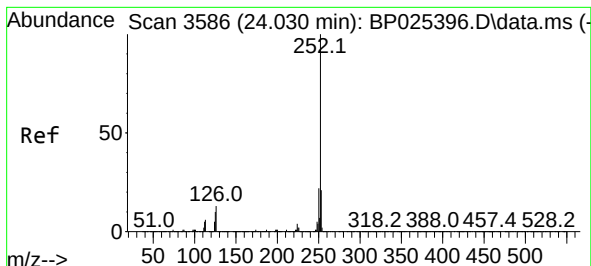
Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

125 10.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 9.800 ng

RT: 24.018 min Scan# 3584

Delta R.T. -0.012 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

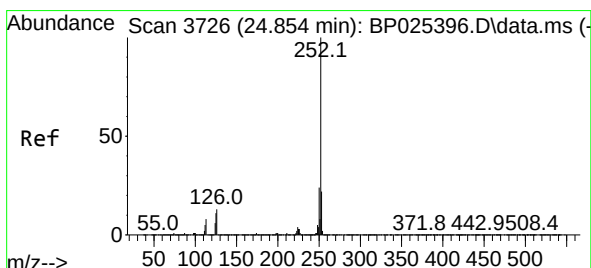
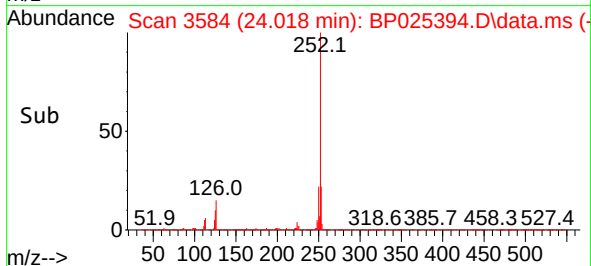
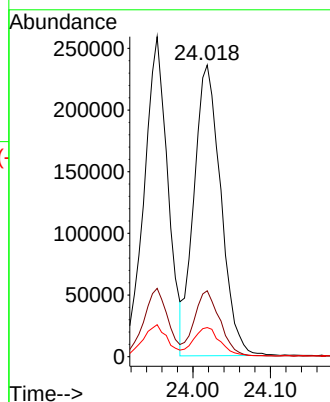
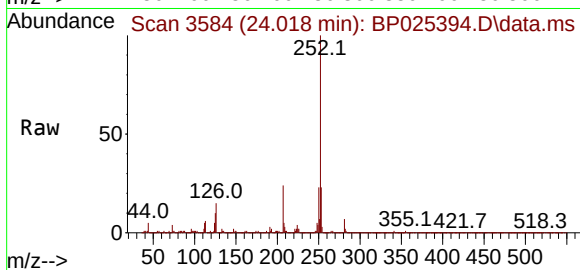
Tgt Ion:252 Resp: 567080

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 10.0 7.8 11.6



#90

Benzo(a)pyrene

Concen: 9.519 ng

RT: 24.854 min Scan# 3726

Delta R.T. 0.000 min

Lab File: BP025394.D

Acq: 14 Aug 2025 13:56

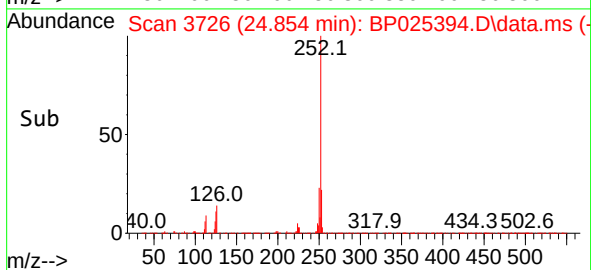
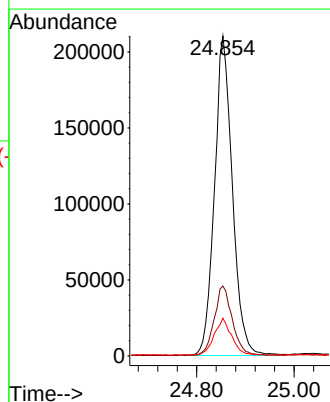
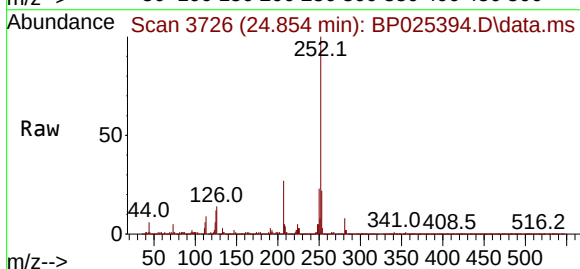
Tgt Ion:252 Resp: 535820

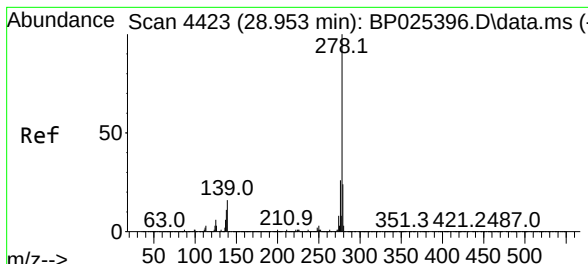
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.8 8.7 13.1

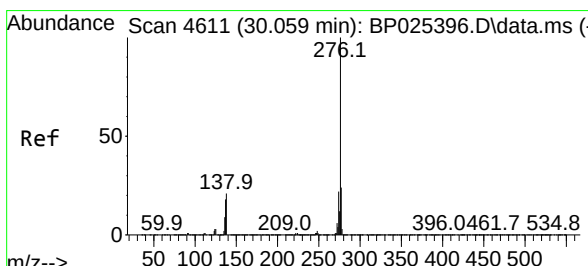
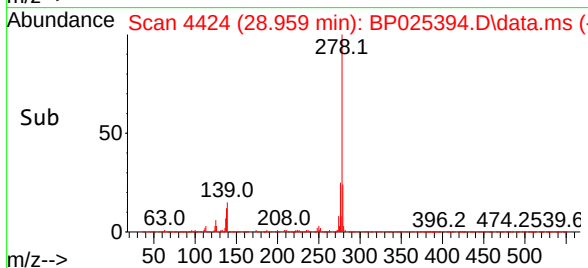
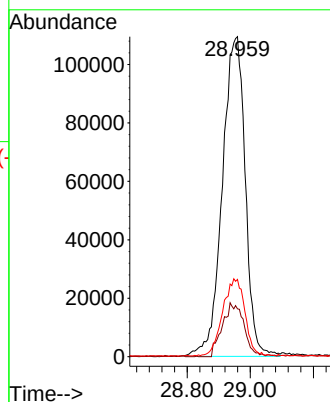
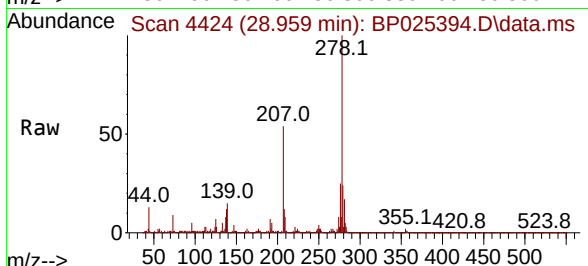




#91
 Dibenzo(a,h)anthracene
 Concen: 9.387 ng
 RT: 28.959 min Scan# 4423
 Delta R.T. 0.006 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

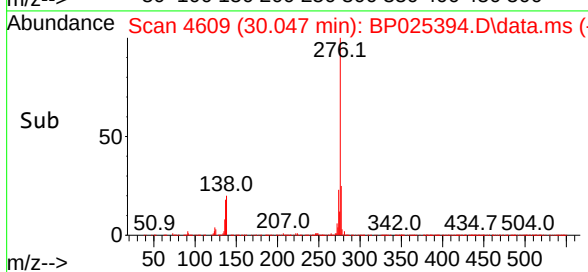
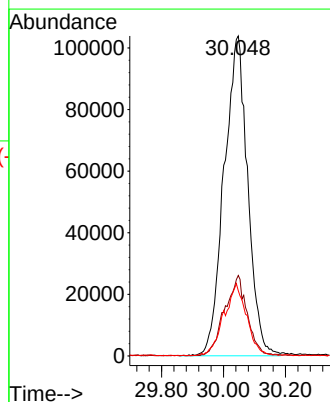
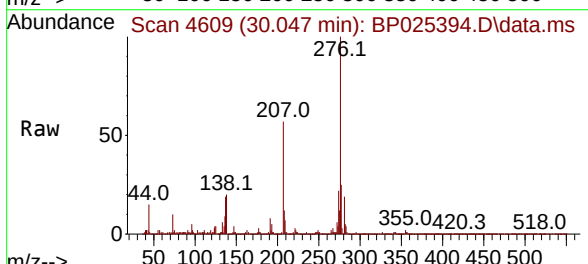
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

Tgt Ion:	278	Resp:	551694
Ion Ratio	Lower	Upper	
278	100		
139	15.0	13.0	19.4
279	24.2	19.4	29.2



#92
 Benzo(g,h,i)perylene
 Concen: 9.489 ng
 RT: 30.047 min Scan# 4609
 Delta R.T. -0.012 min
 Lab File: BP025394.D
 Acq: 14 Aug 2025 13:56

Tgt Ion:	276	Resp:	548117
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.4	29.0
138	20.4	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025395.D
 Acq On : 14 Aug 2025 14:38
 Operator : CG/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

Quant Time: Aug 14 17:54:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	141721	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	603797	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	399034	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	785736	20.000	ng	0.01
76) Chrysene-d12	21.654	240	852065	20.000	ng	0.00
86) Perylene-d12	25.036	264	958651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	338568	39.674	ng	0.00
7) Phenol-d6	6.966	99	434388	39.702	ng	0.00
23) Nitrobenzene-d5	8.931	82	473937	39.706	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	212968	39.651	ng	0.01
45) 2-Fluorobiphenyl	13.025	172	1203064	41.205	ng	0.00
79) Terphenyl-d14	19.930	244	1869951	40.152	ng	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.331	88	67276	20.126	ng	99
3) Pyridine	3.731	79	177948	19.450	ng	98
4) n-Nitrosodimethylamine	3.637	42	72627	19.255	ng	# 96
6) Aniline	7.125	93	287645	19.513	ng	99
8) 2-Chlorophenol	7.366	128	190858	19.819	ng	99
9) Benzaldehyde	6.937	77	135464	17.672	ng	99
10) Phenol	6.990	94	228580	19.910	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	180390	20.159	ng	98
12) 1,3-Dichlorobenzene	7.684	146	213023	20.061	ng	99
13) 1,4-Dichlorobenzene	7.825	146	216400	19.938	ng	99
14) 1,2-Dichlorobenzene	8.143	146	211243	20.106	ng	99
15) Benzyl Alcohol	8.019	79	170736	19.640	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	242616	20.240	ng	99
17) 2-Methylphenol	8.225	107	159119	19.956	ng	98
18) Hexachloroethane	8.866	117	78205	19.597	ng	94
19) n-Nitroso-di-n-propyla...	8.584	70	149715	20.633	ng	97
20) 3+4-Methylphenols	8.543	107	217240	19.655	ng	98
22) Acetophenone	8.596	105	305812	20.196	ng	99
24) Nitrobenzene	8.972	77	210234	19.708	ng	100
25) Isophorone	9.496	82	422370	19.995	ng	99
26) 2-Nitrophenol	9.678	139	106805	19.509	ng	98
27) 2,4-Dimethylphenol	9.743	122	178534	18.963	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	256656	20.100	ng	99
29) 2,4-Dichlorophenol	10.207	162	186076	19.896	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	201995	19.702	ng	98
31) Naphthalene	10.613	128	625899	19.944	ng	99
32) Benzoic acid	9.843	122	112932	16.287	ng	97
33) 4-Chloroaniline	10.713	127	270158	19.489	ng	99
34) Hexachlorobutadiene	10.901	225	127593	19.983	ng	99
35) Caprolactam	11.484	113	66168	19.294	ng	95
36) 4-Chloro-3-methylphenol	11.837	107	209817	19.551	ng	97
37) 2-Methylnaphthalene	12.219	142	409613	20.057	ng	99
38) 1-Methylnaphthalene	12.443	142	430666	19.829	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	233523	20.263	ng	99
41) Hexachlorocyclopentadiene	12.572	237	124759	17.922	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	152031	19.540	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025395.D
 Acq On : 14 Aug 2025 14:38
 Operator : CG/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

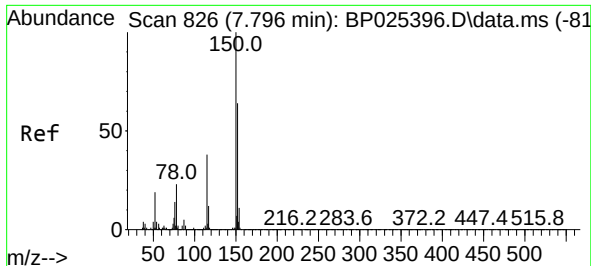
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	169197	19.842	ng	98
46) 1,1'-Biphenyl	13.237	154	581464	20.064	ng	100
47) 2-Chloronaphthalene	13.272	162	456552	20.237	ng	98
48) 2-Nitroaniline	13.478	65	126433	19.233	ng	99
49) Acenaphthylene	14.137	152	737527	19.756	ng	99
50) Dimethylphthalate	13.866	163	573661	19.632	ng	100
51) 2,6-Dinitrotoluene	13.966	165	120693	19.597	ng	96
52) Acenaphthene	14.484	154	469441	21.423	ng	99
53) 3-Nitroaniline	14.301	138	134502	19.410	ng	97
54) 2,4-Dinitrophenol	14.519	184	55713	16.939	ng	98
55) Dibenzofuran	14.819	168	692966	20.002	ng	99
56) 4-Nitrophenol	14.619	139	105787	18.578	ng	98
57) 2,4-Dinitrotoluene	14.772	165	172020	19.576	ng	96
58) Fluorene	15.478	166	554647	20.289	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.048	232	145926	19.381	ng	99
60) Diethylphthalate	15.248	149	584590	19.689	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	270949	19.929	ng	98
62) 4-Nitroaniline	15.478	138	139202	19.595	ng	100
63) Azobenzene	15.766	77	508563	20.004	ng	100
65) 4,6-Dinitro-2-methylph...	15.548	198	88992	18.169	ng	97
66) n-Nitrosodiphenylamine	15.684	169	477080	19.911	ng	99
67) 4-Bromophenyl-phenylether	16.389	248	170738	19.758	ng	97
68) Hexachlorobenzene	16.495	284	199410	19.906	ng	99
69) Atrazine	16.666	200	179513	20.006	ng	99
70) Pentachlorophenol	16.848	266	120958	19.128	ng	99
71) Phenanthrene	17.254	178	872890	20.223	ng	99
72) Anthracene	17.342	178	890292	20.198	ng	100
73) Carbazole	17.625	167	843970	20.328	ng	99
74) Di-n-butylphthalate	18.219	149	1046709	20.491	ng	100
75) Fluoranthene	19.342	202	1058912	20.567	ng	99
77) Benzidine	19.525	184	546647	18.799	ng	99
78) Pyrene	19.713	202	1096965	19.807	ng	99
80) Butylbenzylphthalate	20.666	149	504019	20.081	ng	97
81) Benzo(a)anthracene	21.630	228	1118590	19.906	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	432075	20.399	ng	100
83) Chrysene	21.707	228	1063898	20.216	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	744704	20.155	ng	99
85) Di-n-octyl phthalate	22.871	149	1276798	20.091	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	1166289	16.584	ng	94
88) Benzo(b)fluoranthene	23.948	252	1122408	19.855	ng	100
89) Benzo(k)fluoranthene	24.018	252	1150366	20.336	ng	100
90) Benzo(a)pyrene	24.854	252	1102804	20.041	ng	100
91) Dibenzo(a,h)anthracene	28.965	278	1130209	19.672	ng	98
92) Benzo(g,h,i)perylene	30.053	276	1120307	19.840	ng	99

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

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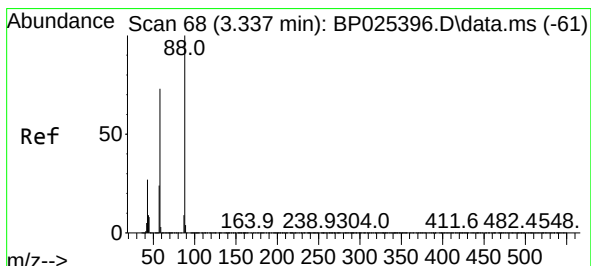
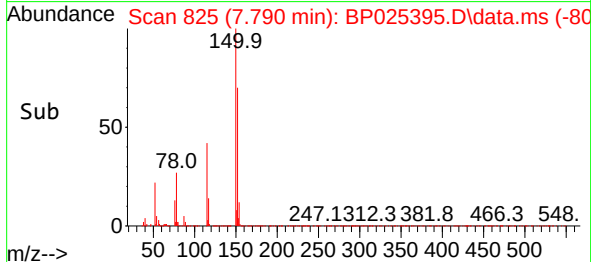
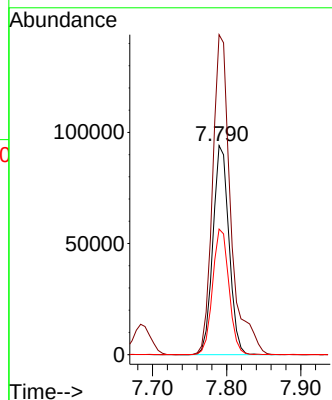
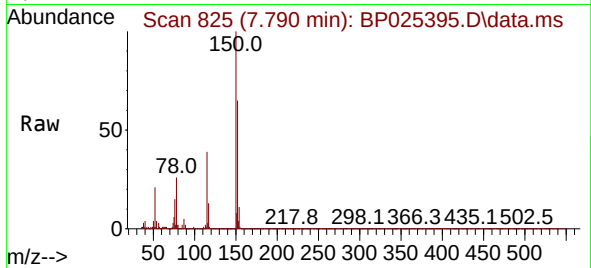
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

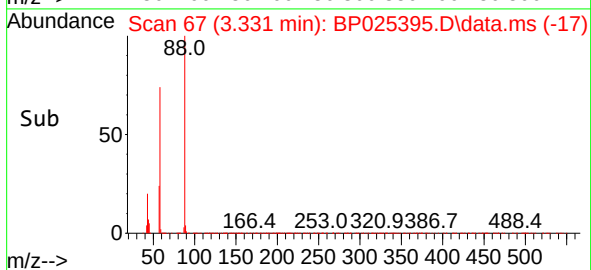
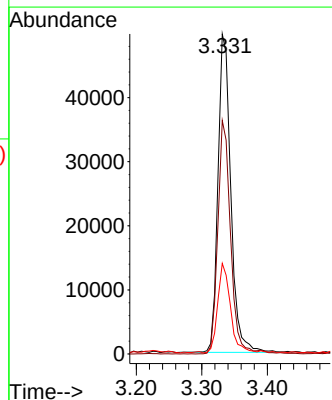
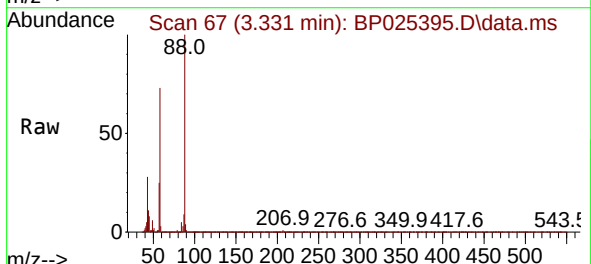
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ClientSampleId :
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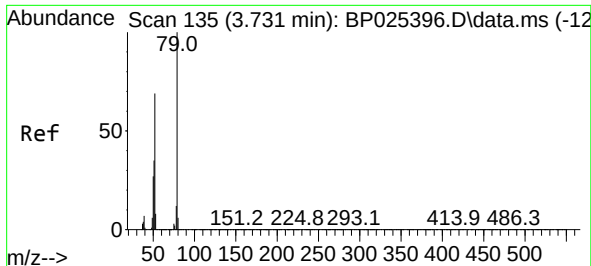
Tgt Ion:152 Resp: 141721
Ion Ratio Lower Upper
152 100
150 153.0 125.9 188.9
115 60.0 48.5 72.7



#2
1,4-Dioxane
Concen: 20.126 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 88 Resp: 67276
Ion Ratio Lower Upper
88 100
58 73.2 59.2 88.8
43 27.9 21.7 32.5

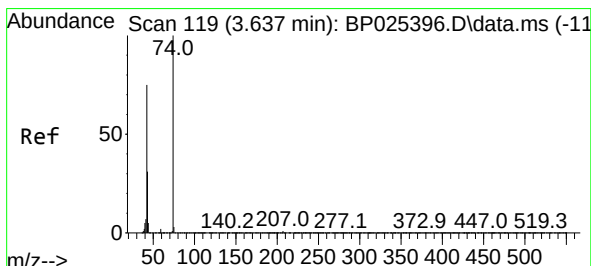
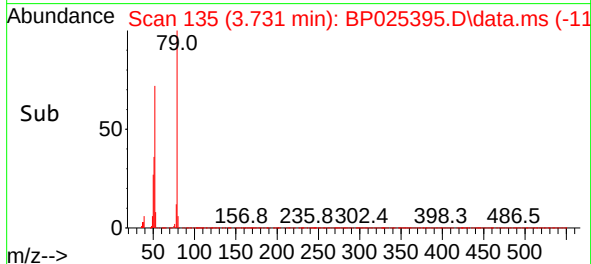
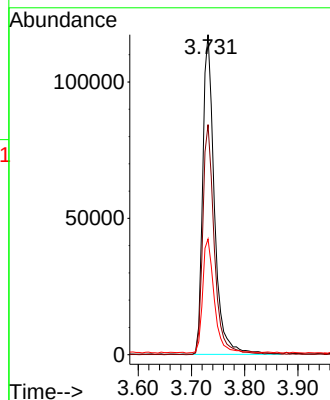
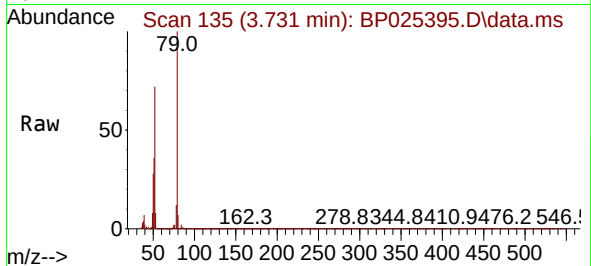




#3
Pyridine
Concen: 19.450 ng
RT: 3.731 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

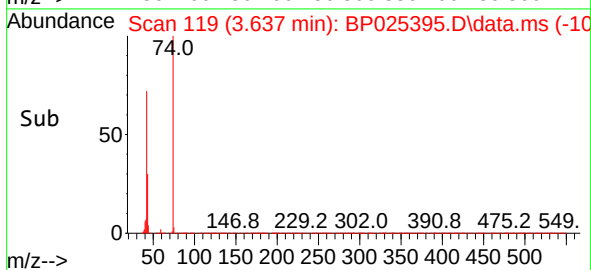
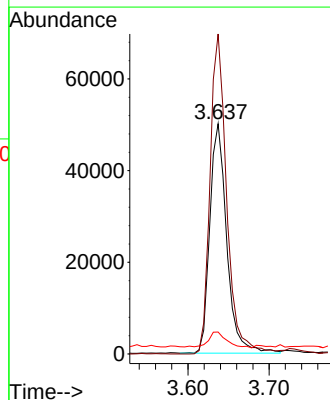
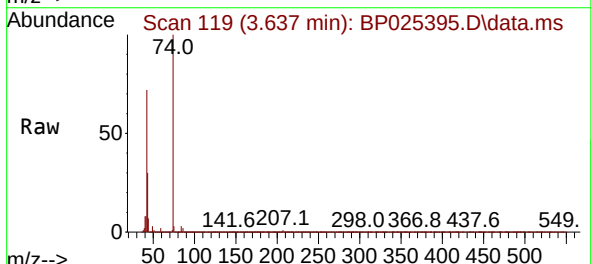
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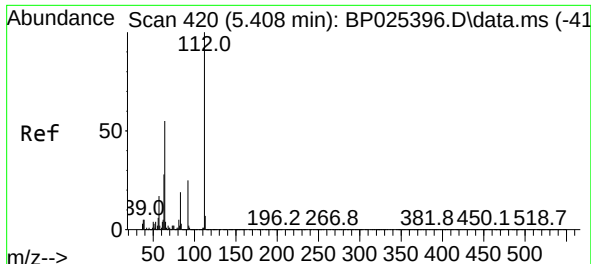
Tgt Ion: 79 Resp: 177948
Ion Ratio Lower Upper
79 100
52 71.9 55.5 83.3
51 36.1 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 19.255 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 42 Resp: 72627
Ion Ratio Lower Upper
42 100
74 138.9 107.0 160.4
44 9.5 6.2 9.4#

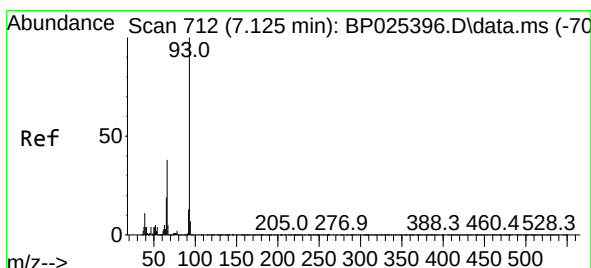
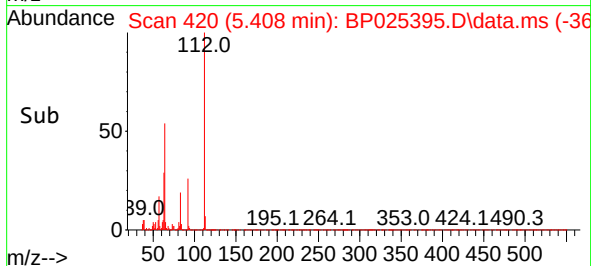
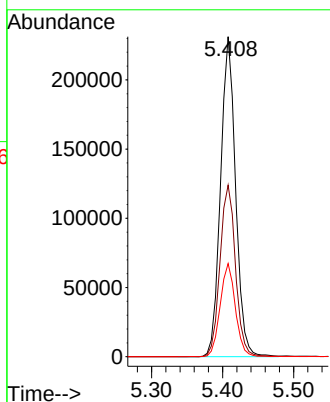
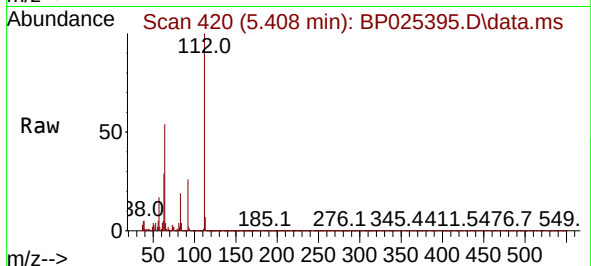




#5
2-Fluorophenol
Concen: 39.674 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

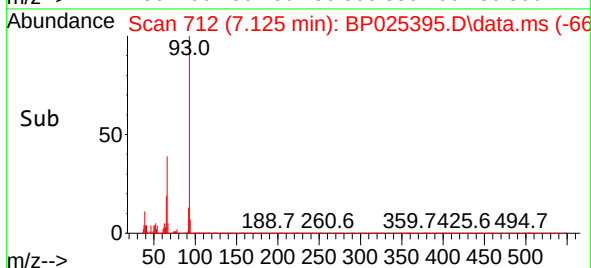
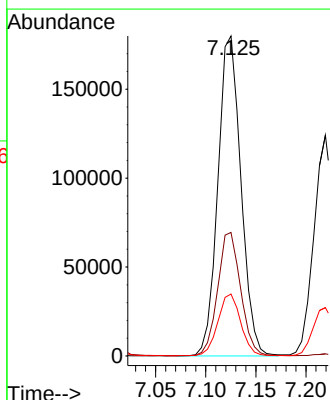
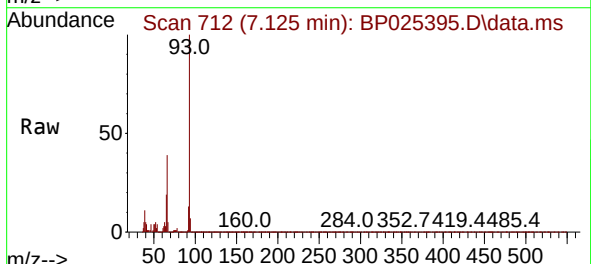
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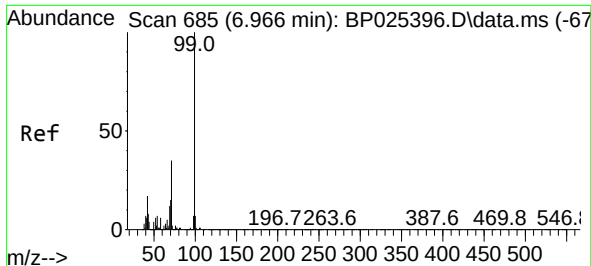
Tgt Ion:112 Resp: 338568
Ion Ratio Lower Upper
112 100
64 53.6 43.8 65.8
63 29.1 22.7 34.1



#6
Aniline
Concen: 19.513 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 287645
Ion Ratio Lower Upper
93 100
66 38.6 30.4 45.6
65 19.4 15.3 22.9

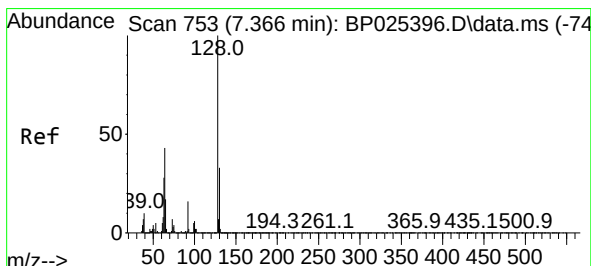
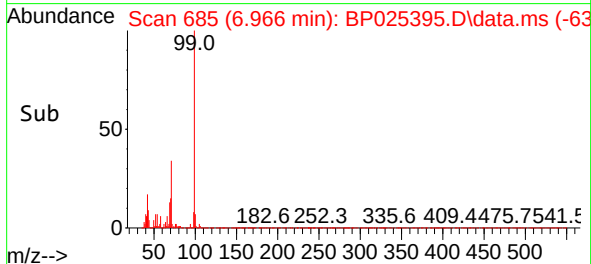
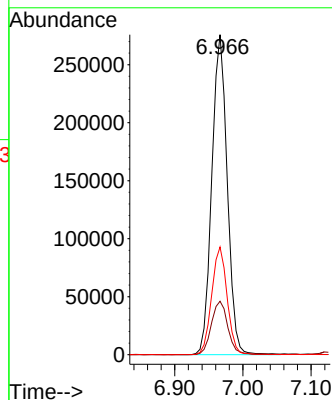
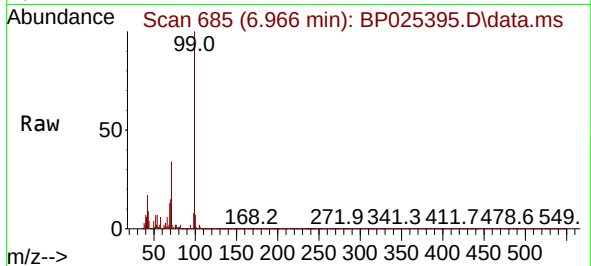




#7
Phenol-d6
Concen: 39.702 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

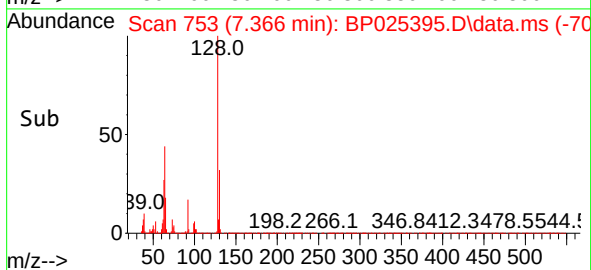
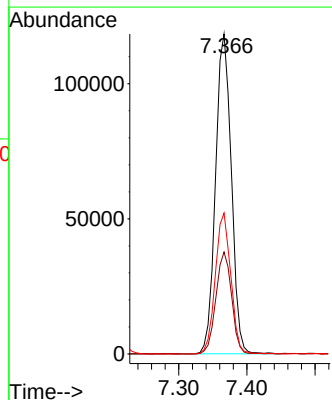
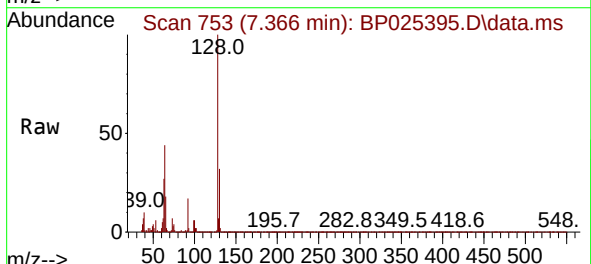
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

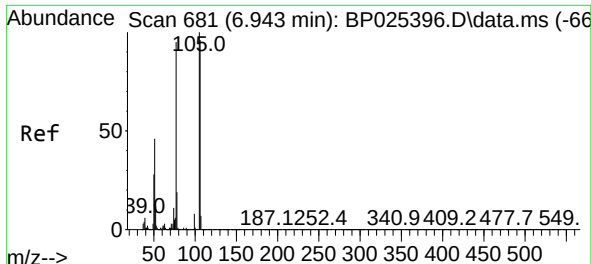
Tgt Ion: 99 Resp: 434388
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 33.7 28.2 42.4



#8
2-Chlorophenol
Concen: 19.819 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 128 Resp: 190858
Ion Ratio Lower Upper
128 100
130 31.9 12.6 52.6
64 44.0 23.4 63.4

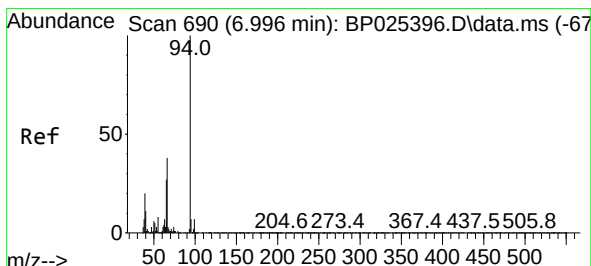
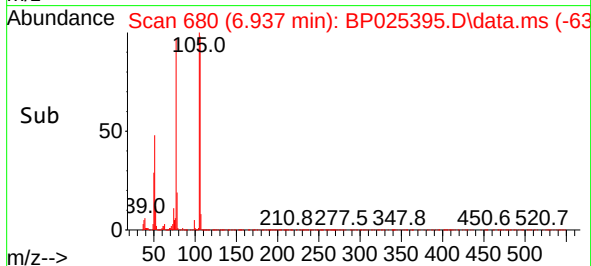
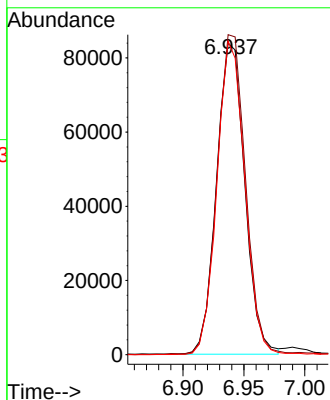
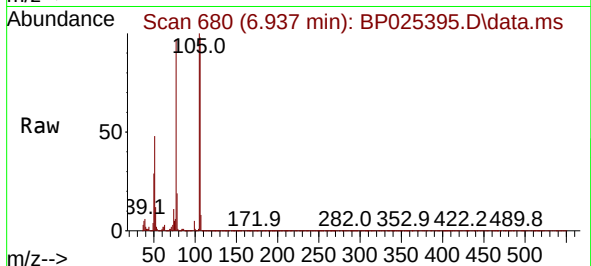




#9
Benzaldehyde
Concen: 17.672 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

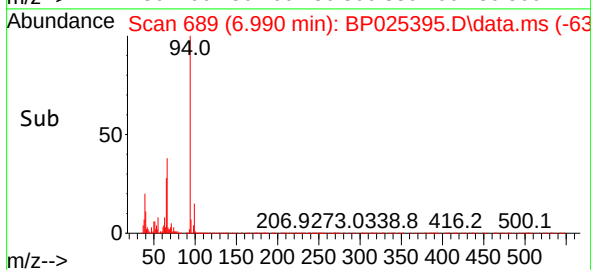
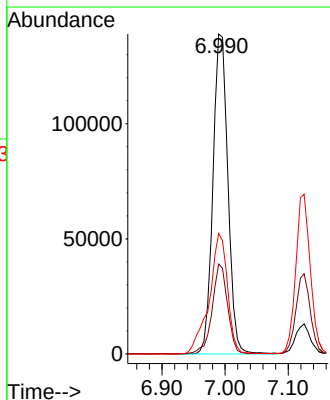
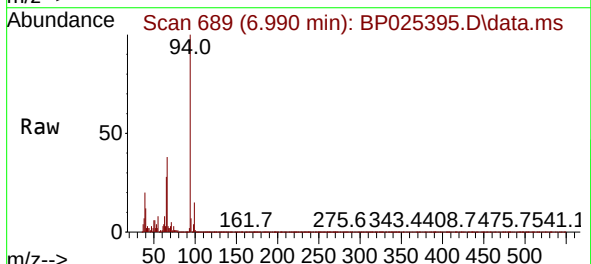
Instrument :
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ClientSampleId :
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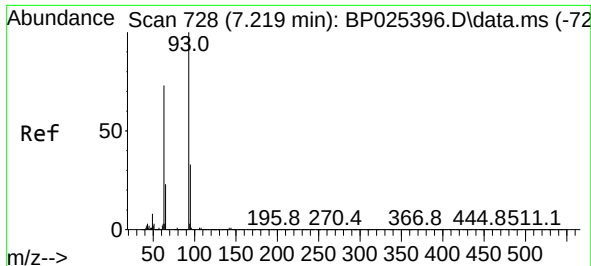
Tgt Ion: 77 Resp: 135464
Ion Ratio Lower Upper
77 100
105 102.7 84.8 124.8
106 100.6 80.5 120.5



#10
Phenol
Concen: 19.910 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 94 Resp: 228580
Ion Ratio Lower Upper
94 100
65 28.1 6.8 46.8
66 37.7 18.2 58.2

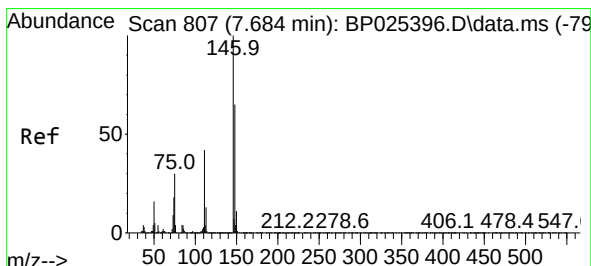
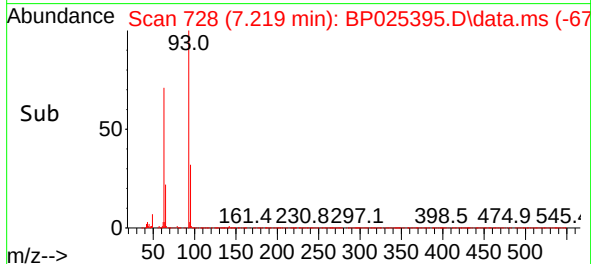
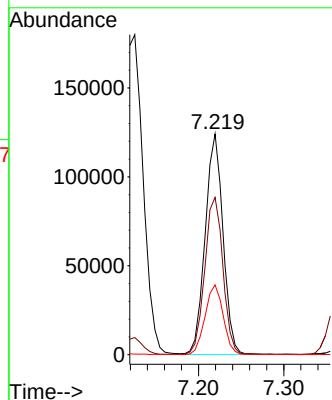
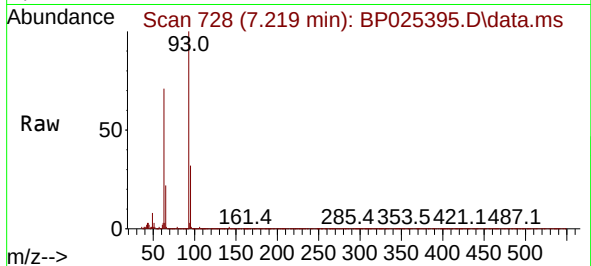




#11
bis(2-Chloroethyl)ether
Concen: 20.159 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

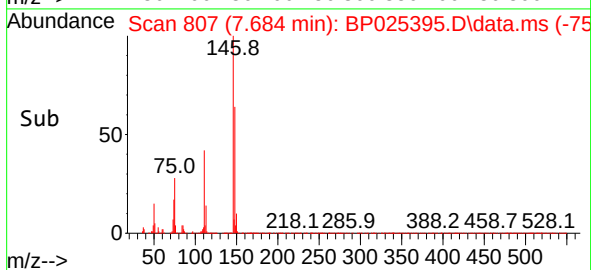
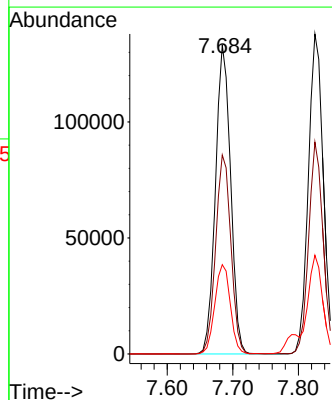
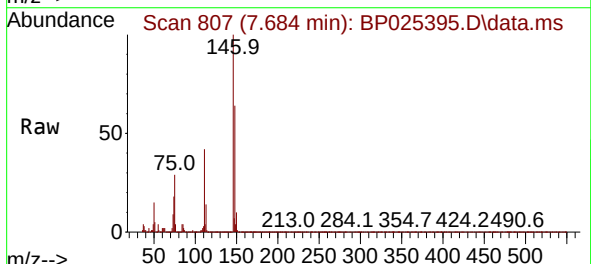
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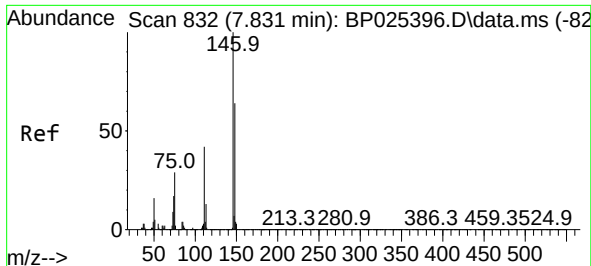
Tgt Ion: 93 Resp: 180390
Ion Ratio Lower Upper
93 100
63 71.2 52.6 92.6
95 31.6 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 20.061 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 146 Resp: 213023
Ion Ratio Lower Upper
146 100
148 64.4 51.9 77.9
75 28.9 23.7 35.5

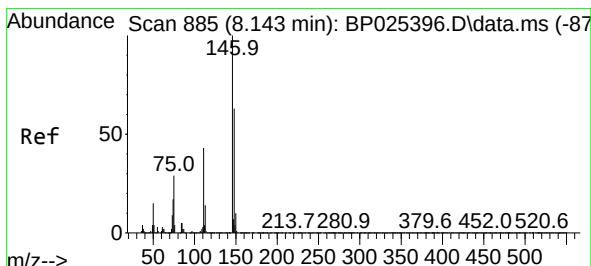
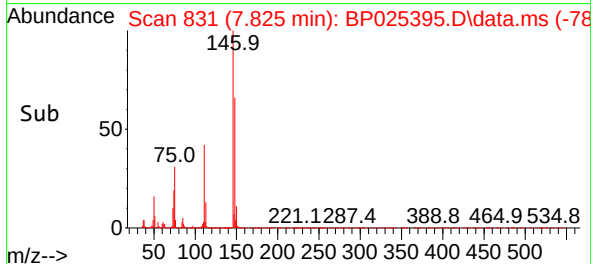
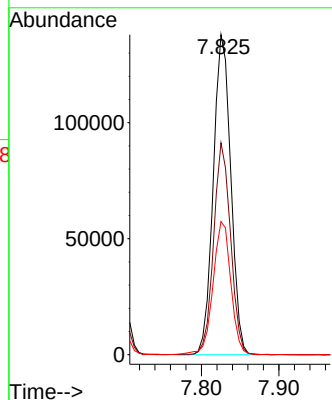
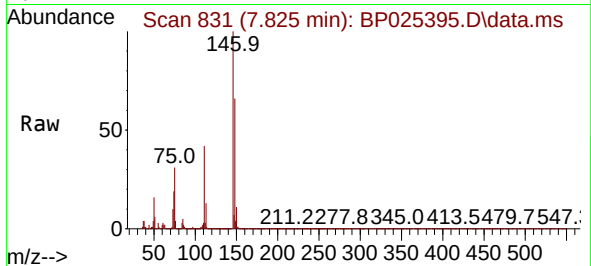




#13
1,4-Dichlorobenzene
Concen: 19.938 ng
RT: 7.825 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

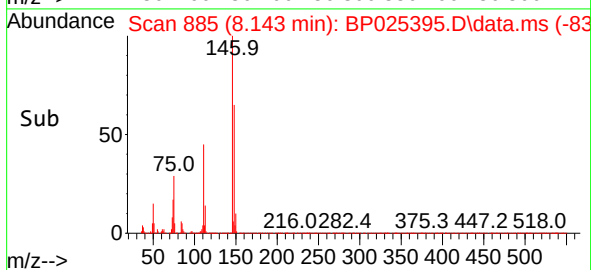
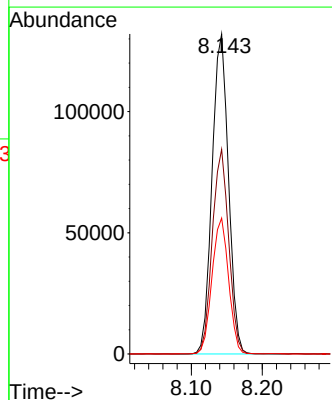
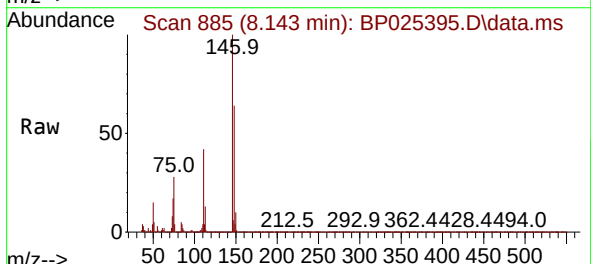
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ClientSampleId :
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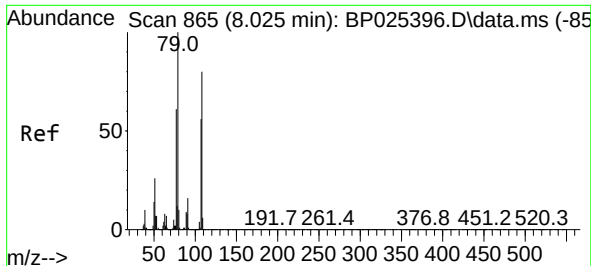
Tgt Ion:146 Resp: 216400
Ion Ratio Lower Upper
146 100
148 66.2 51.6 77.4
111 41.6 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 20.106 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:146 Resp: 211243
Ion Ratio Lower Upper
146 100
148 64.0 50.4 75.6
111 42.4 34.5 51.7

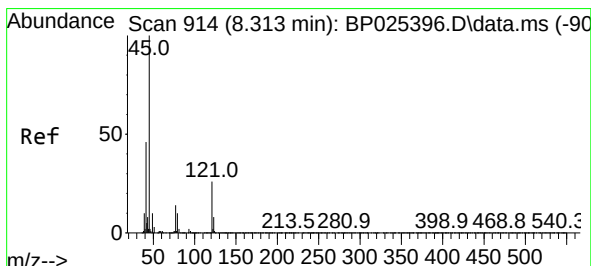
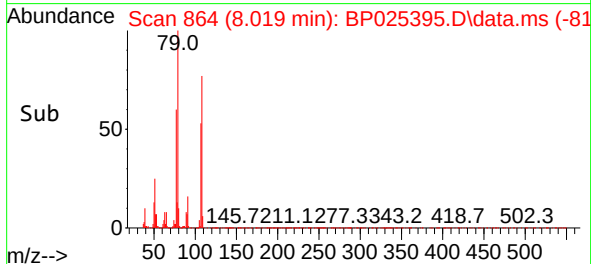
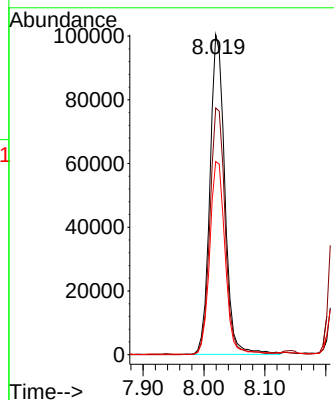
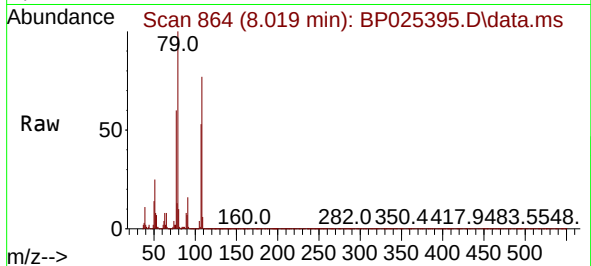




#15
Benzyl Alcohol
Concen: 19.640 ng
RT: 8.019 min Scan# 864
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

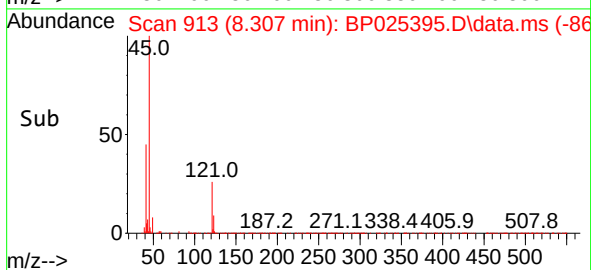
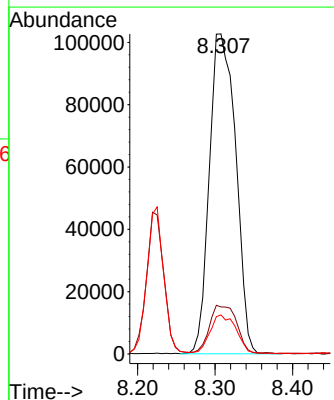
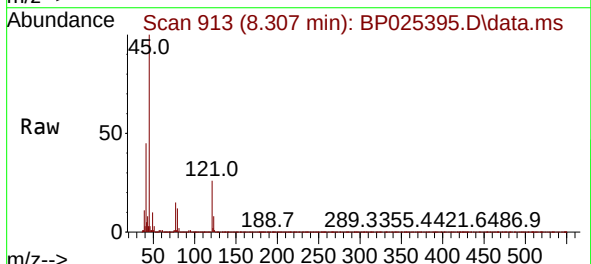
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

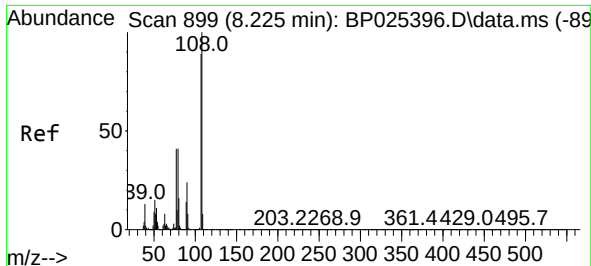
Tgt Ion: 79 Resp: 170736
Ion Ratio Lower Upper
79 100
108 77.1 63.8 95.6
77 60.3 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.240 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 45 Resp: 242616
Ion Ratio Lower Upper
45 100
77 14.7 0.0 35.3
79 12.2 0.0 31.8

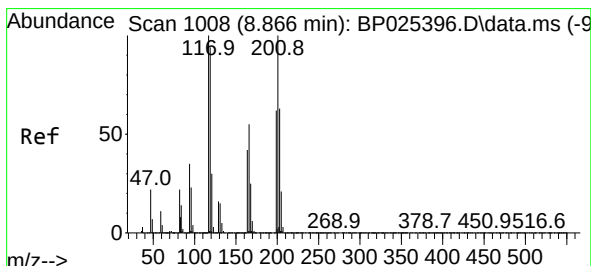
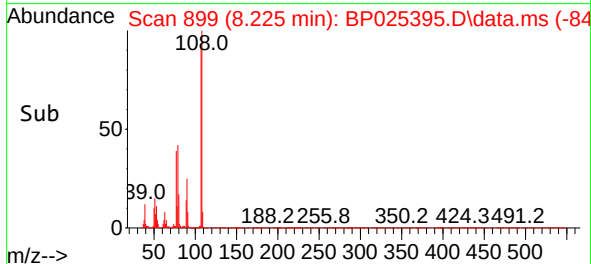
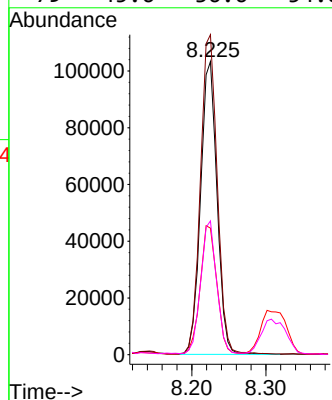
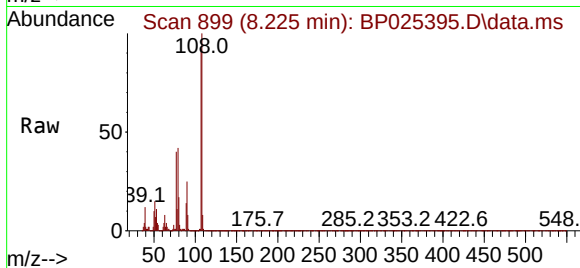




#17
2-Methylphenol
Concen: 19.956 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

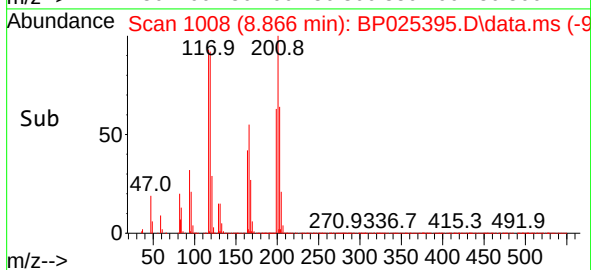
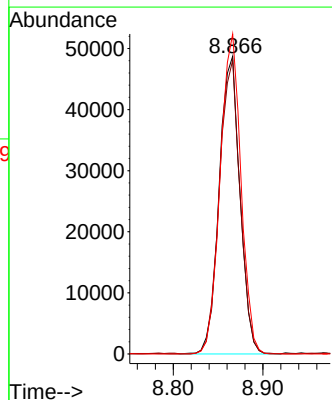
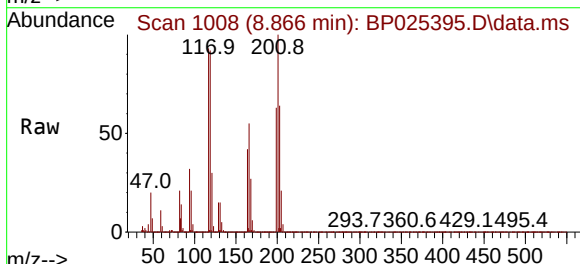
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

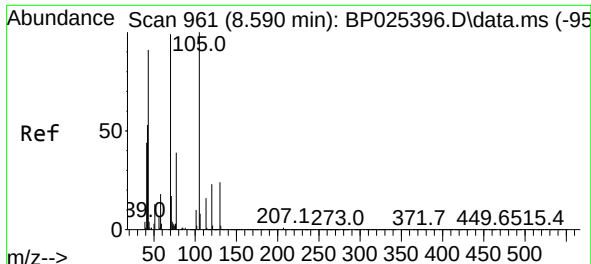
Tgt Ion:	107	Resp:	159119
Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.4	134.0
77	43.2	36.3	54.5
79	45.6	36.6	54.8



#18
Hexachloroethane
Concen: 19.597 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:	117	Resp:	78205
Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.1	112.7
201	107.5	80.1	120.1



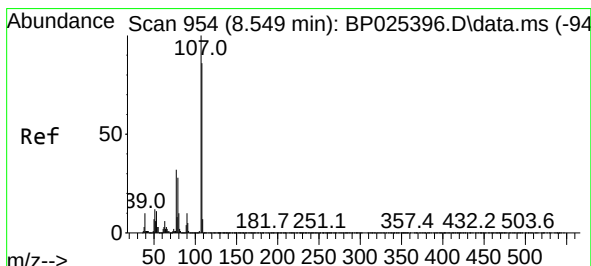
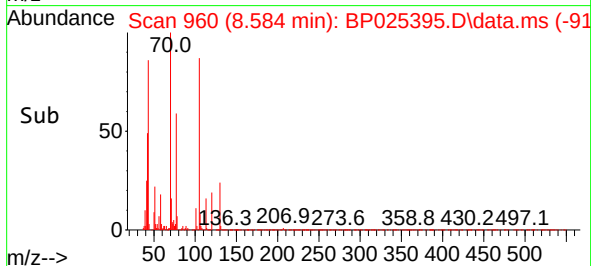
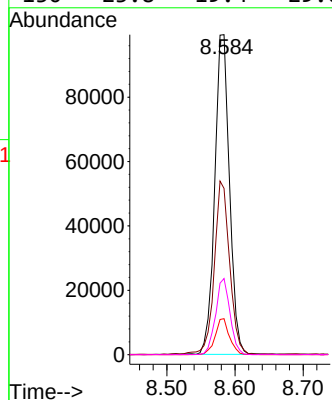
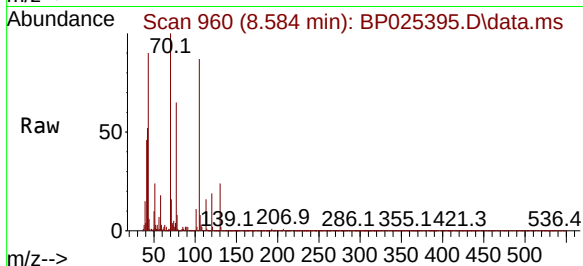


#19
n-Nitroso-di-n-propylamine
Concen: 20.633 ng
RT: 8.584 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 149715

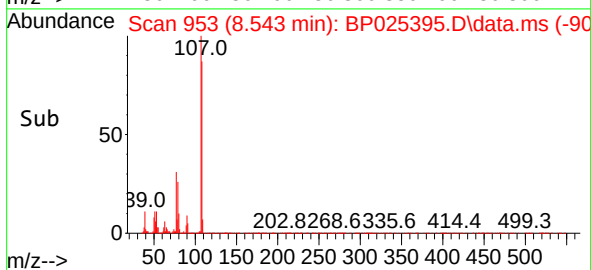
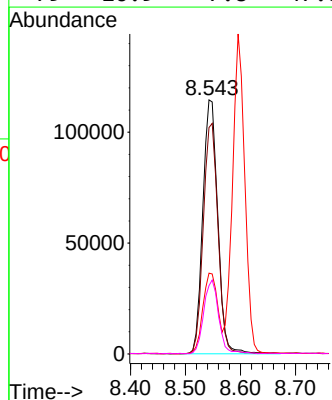
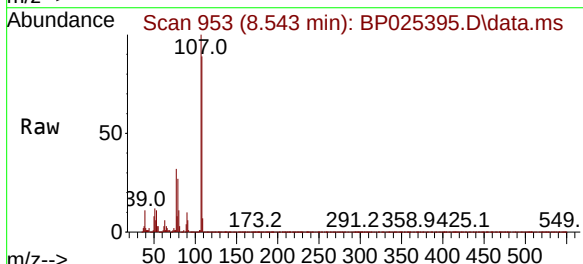
Ion	Ratio	Lower	Upper
70	100		
42	52.0	43.8	65.6
101	11.3	8.5	12.7
130	23.8	19.4	29.0

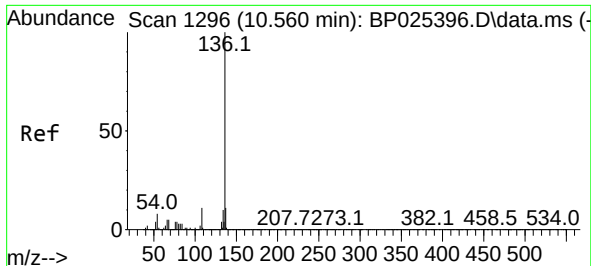


#20
3+4-Methylphenols
Concen: 19.655 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 107 Resp: 217240

Ion	Ratio	Lower	Upper
107	100		
108	89.1	66.3	106.3
77	31.8	12.3	52.3
79	26.9	7.8	47.8

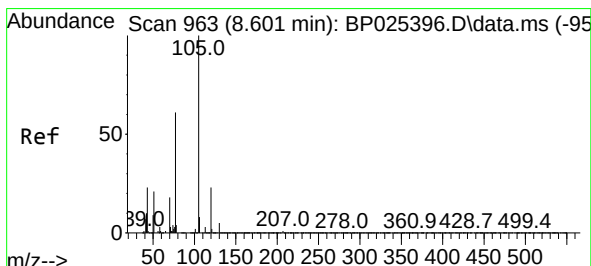
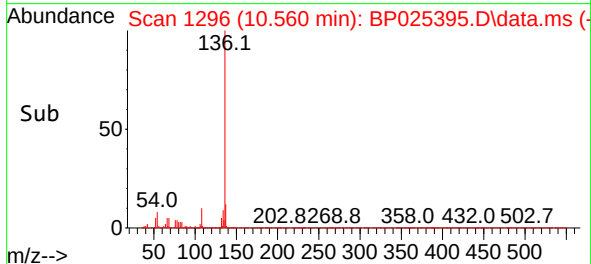
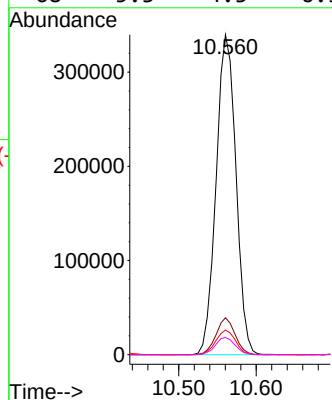
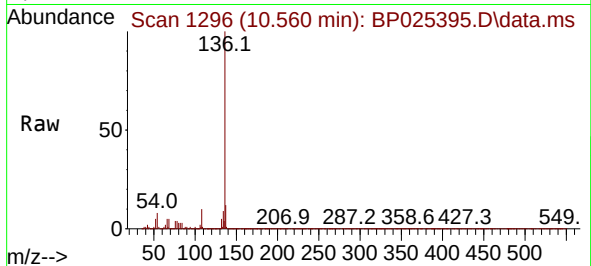




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

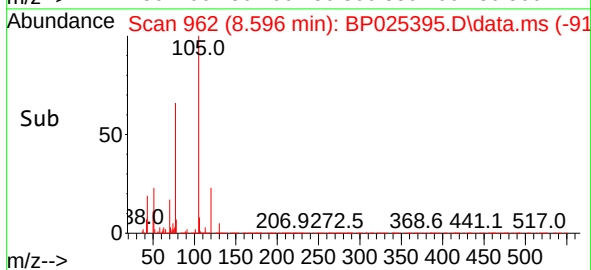
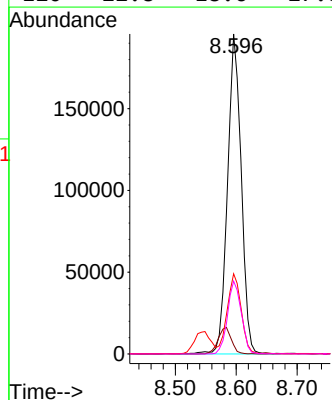
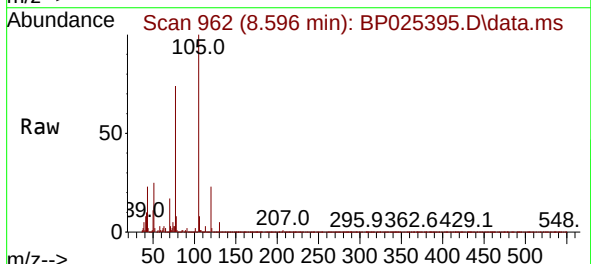
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

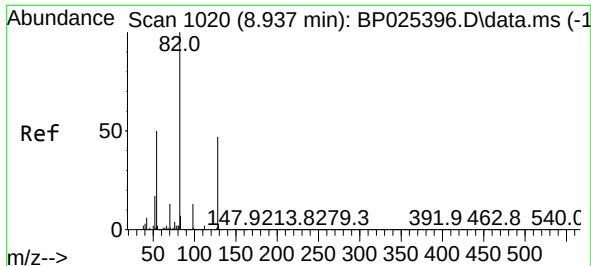
Tgt Ion:	136	Resp:	603797
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.7	6.0	9.0
68	5.3	4.3	6.5



#22
Acetophenone
Concen: 20.196 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:	105	Resp:	305812
Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.6	4.0
51	25.0	20.6	30.8
120	22.8	18.6	27.8

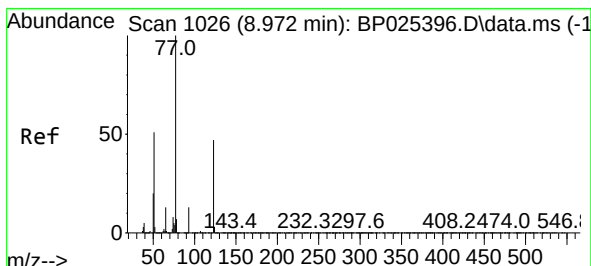
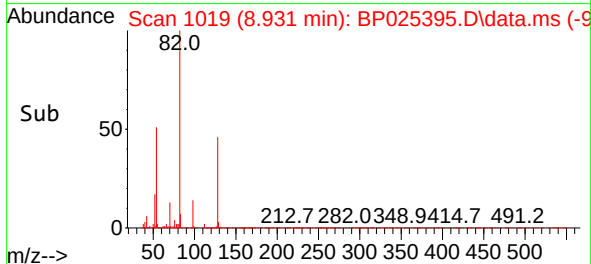
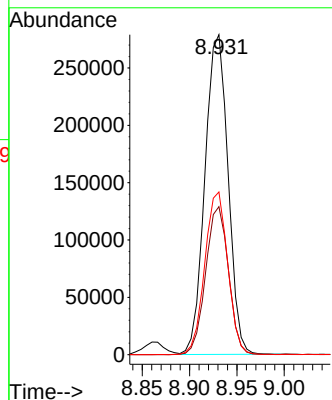
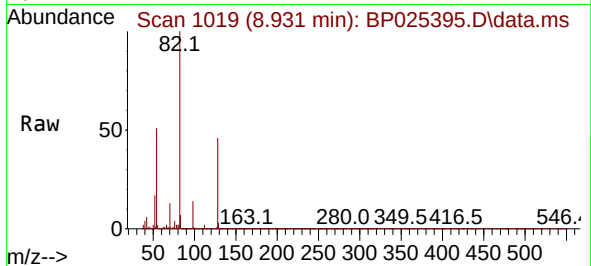




#23
Nitrobenzene-d5
Concen: 39.706 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

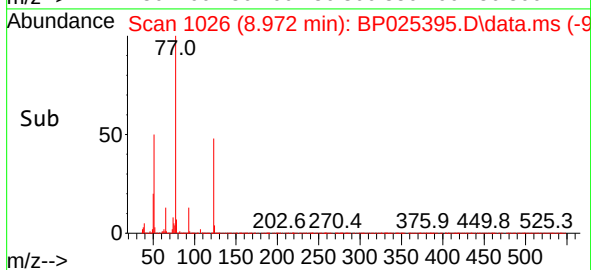
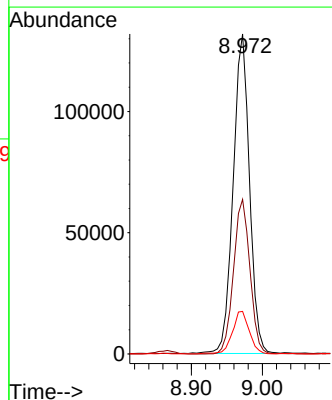
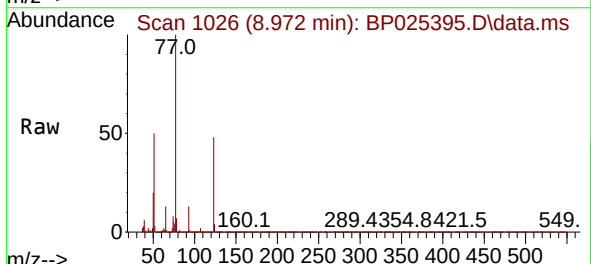
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

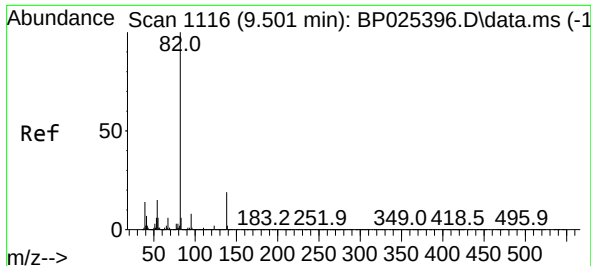
Tgt Ion: 82 Resp: 473937
Ion Ratio Lower Upper
82 100
128 46.3 37.7 56.5
54 50.8 39.8 59.6



#24
Nitrobenzene
Concen: 19.708 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 77 Resp: 210234
Ion Ratio Lower Upper
77 100
123 48.3 38.6 58.0
65 13.3 10.6 15.8

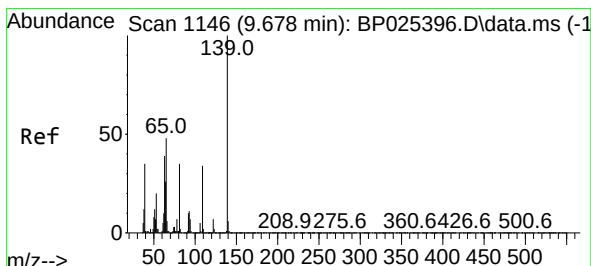
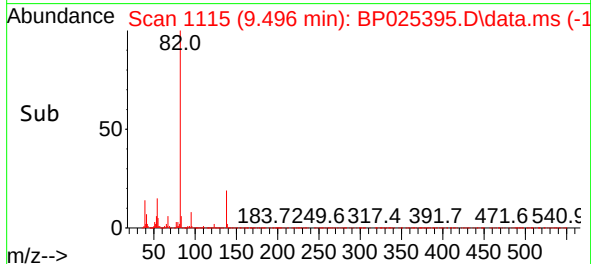
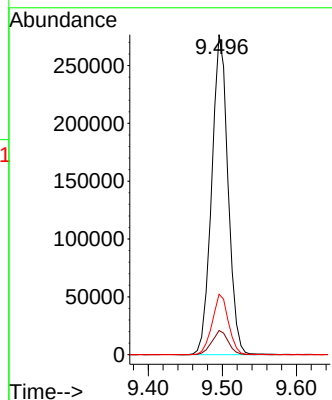
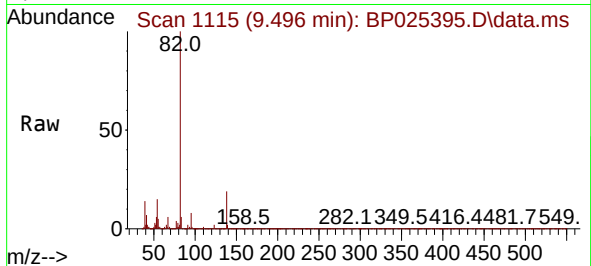




#25
Isophorone
Concen: 19.995 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

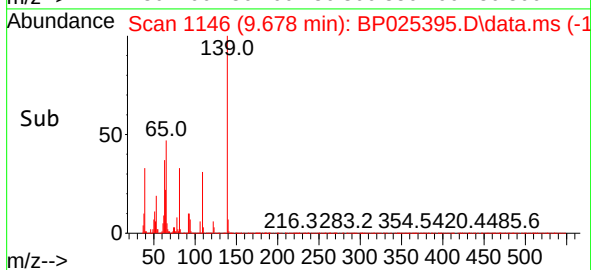
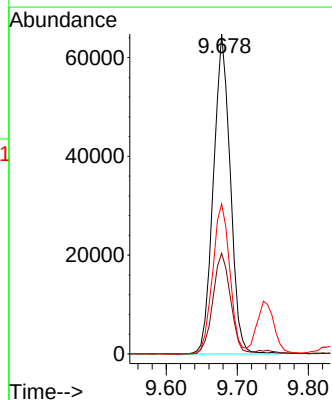
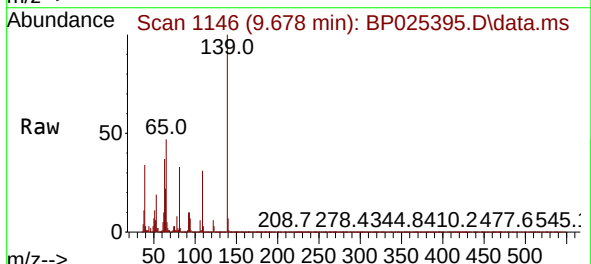
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

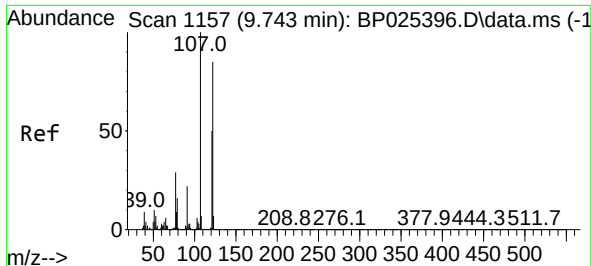
Tgt Ion: 82	Resp: 422370		
Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	18.9	15.4	23.0



#26
2-Nitrophenol
Concen: 19.509 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 139	Resp: 106805		
Ion	Ratio	Lower	Upper
139	100		
109	31.5	26.9	40.3
65	46.9	38.3	57.5

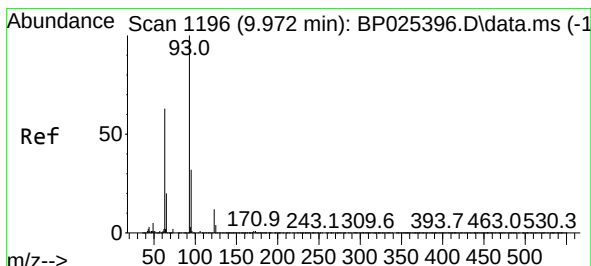
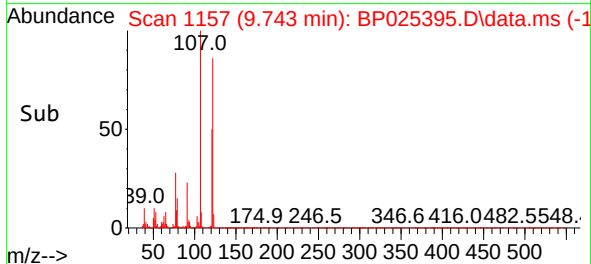
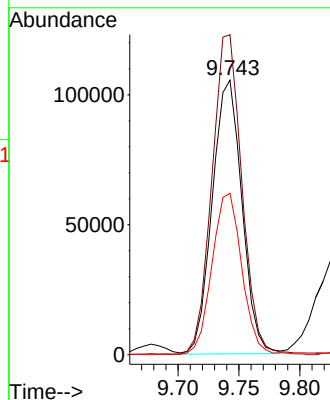
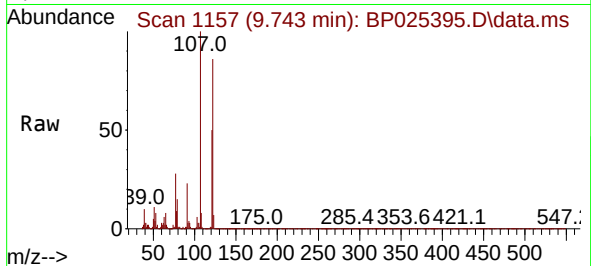




#27
2,4-Dimethylphenol
Concen: 18.963 ng
RT: 9.743 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

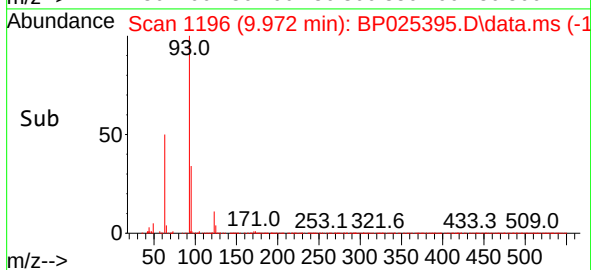
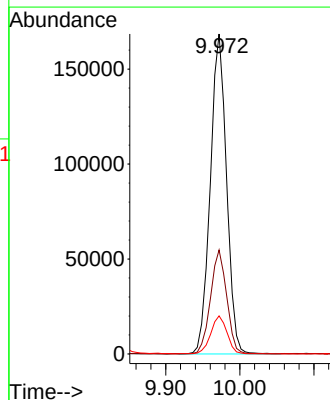
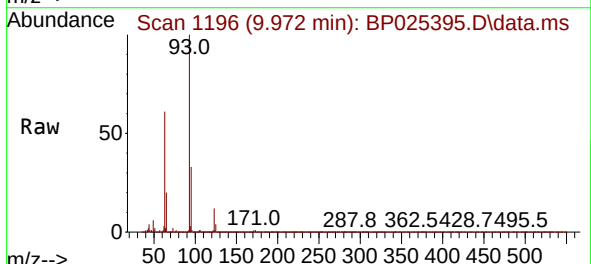
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

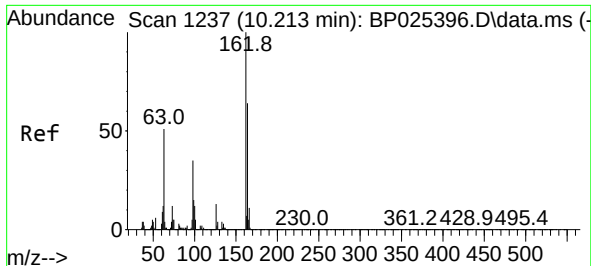
Tgt Ion:122 Resp: 178534
Ion Ratio Lower Upper
122 100
107 116.5 93.7 140.5
121 58.8 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 20.100 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 256656
Ion Ratio Lower Upper
93 100
95 32.5 25.4 38.0
123 11.9 9.4 14.0

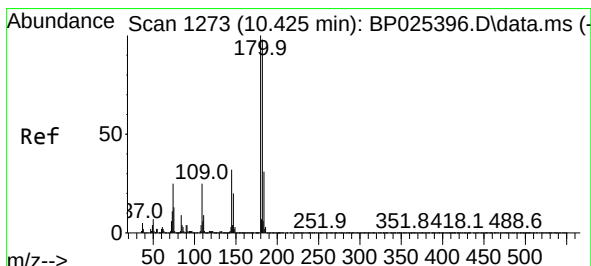
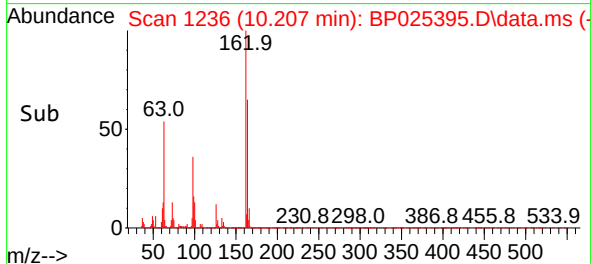
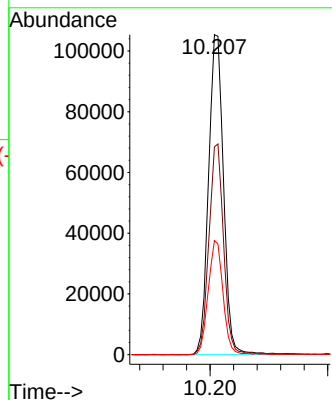
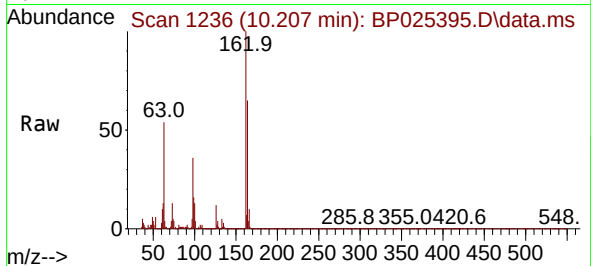




#29
2,4-Dichlorophenol
Concen: 19.896 ng
RT: 10.207 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

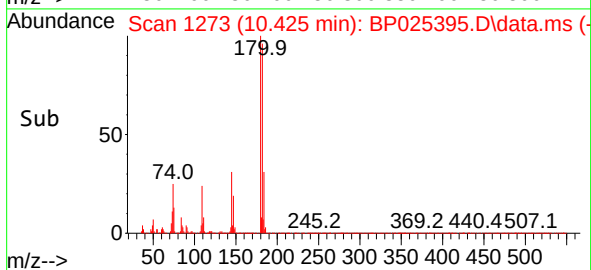
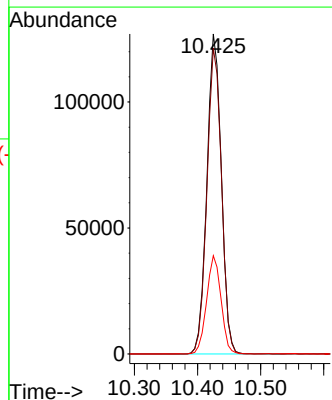
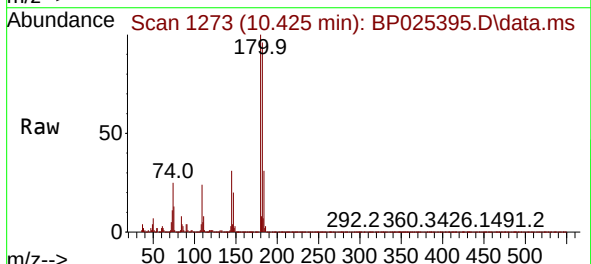
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

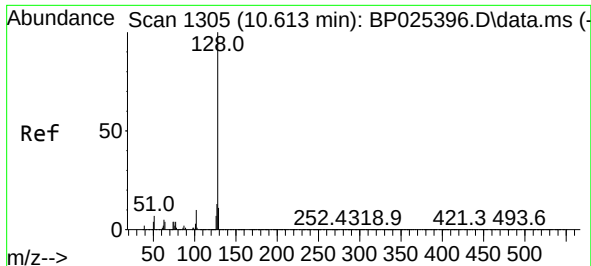
Tgt Ion:162 Resp: 186076
Ion Ratio Lower Upper
162 100
164 64.9 44.4 84.4
98 35.7 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 19.702 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:180 Resp: 201995
Ion Ratio Lower Upper
180 100
182 95.6 78.0 117.0
145 30.7 25.9 38.9

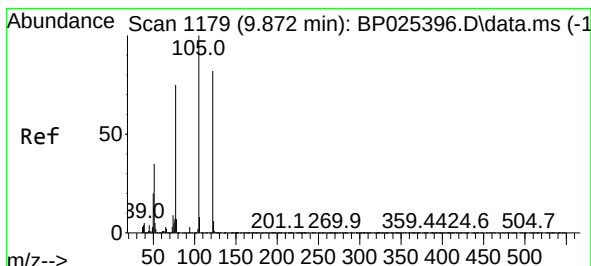
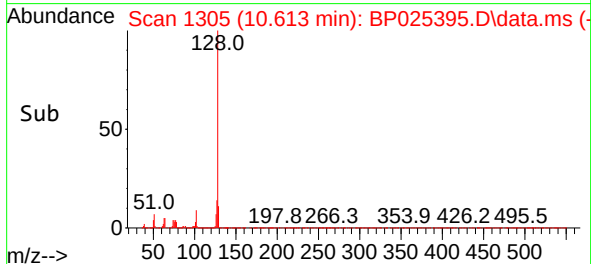
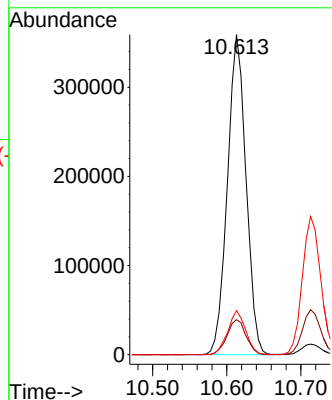
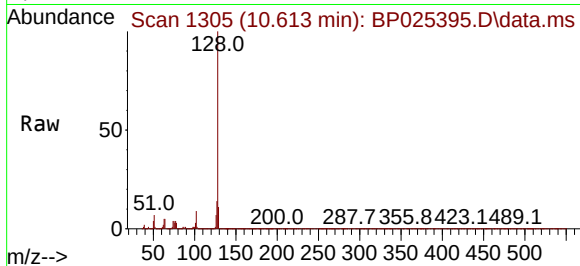




#31
Naphthalene
Concen: 19.944 ng
RT: 10.613 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

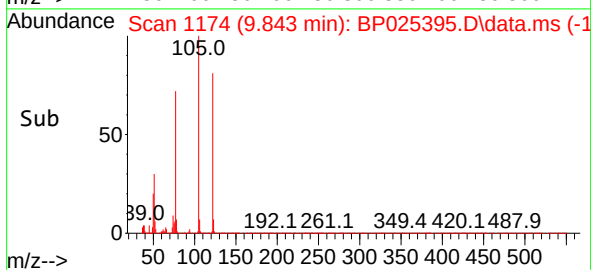
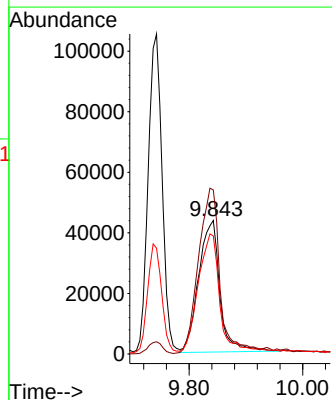
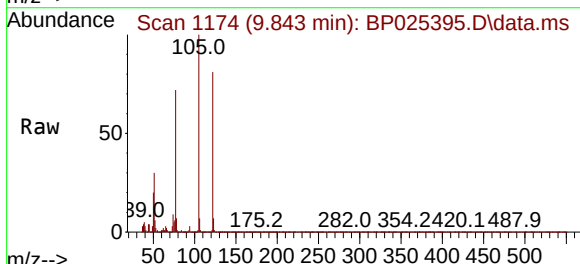
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

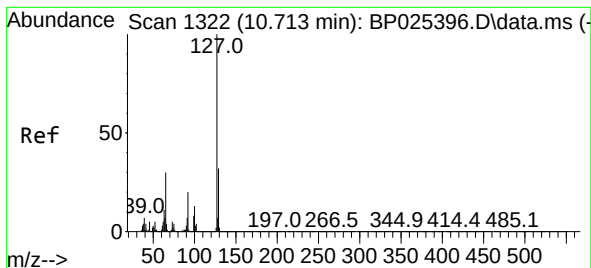
Tgt Ion:128 Resp: 625899
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.7 10.7 16.1



#32
Benzoic acid
Concen: 16.287 ng
RT: 9.843 min Scan# 1174
Delta R.T. -0.029 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:122 Resp: 112932
Ion Ratio Lower Upper
122 100
105 122.9 100.6 140.6
77 88.5 71.5 111.5

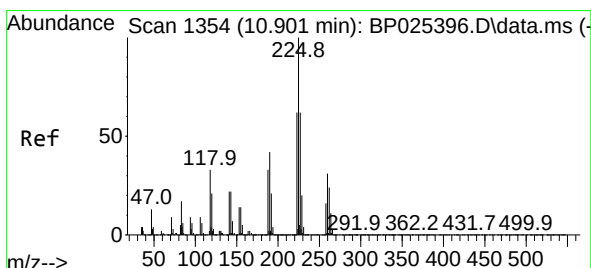
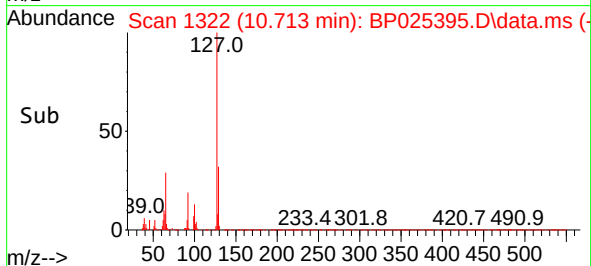
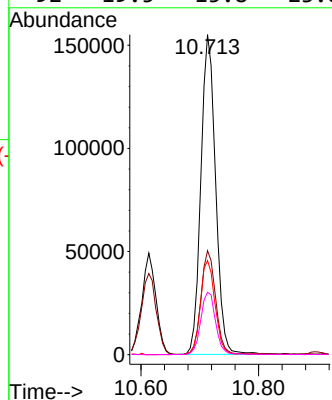
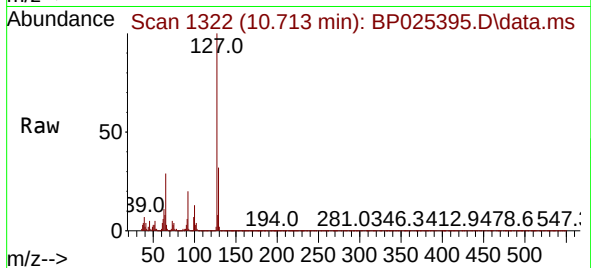




#33
4-Chloroaniline
Concen: 19.489 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

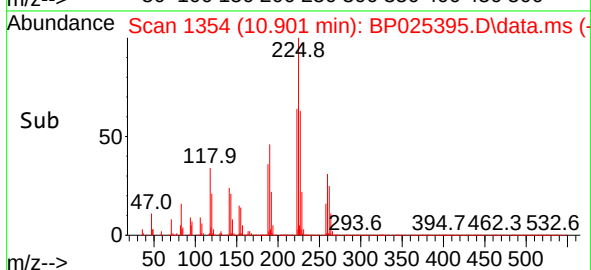
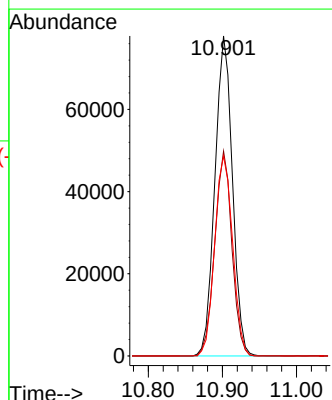
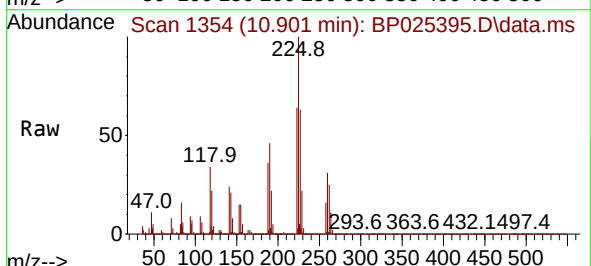
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

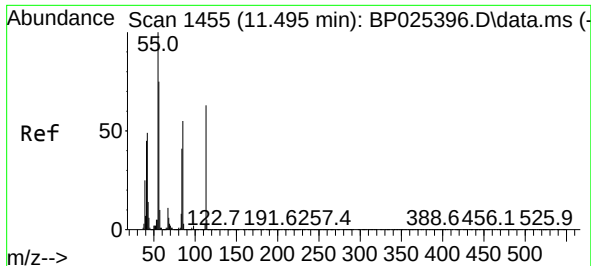
Tgt Ion:	127	Resp:	270158
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	29.4	23.8	35.6
92	19.5	15.8	23.8



#34
Hexachlorobutadiene
Concen: 19.983 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:	225	Resp:	127593
Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	62.5	49.7	74.5

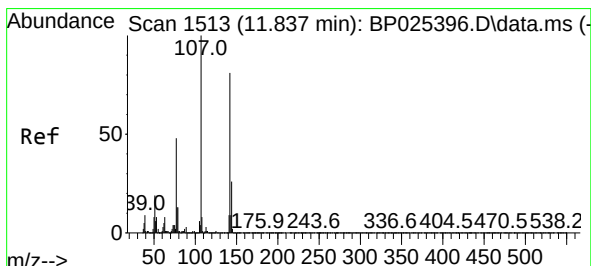
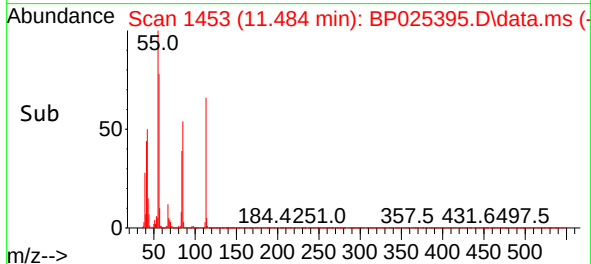
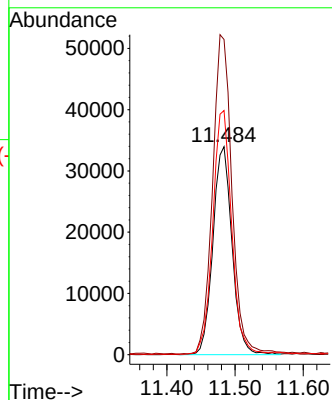
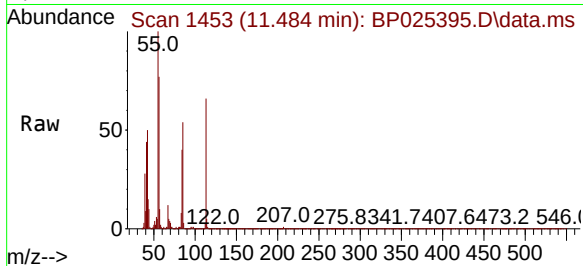




#35
Caprolactam
Concen: 19.294 ng
RT: 11.484 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

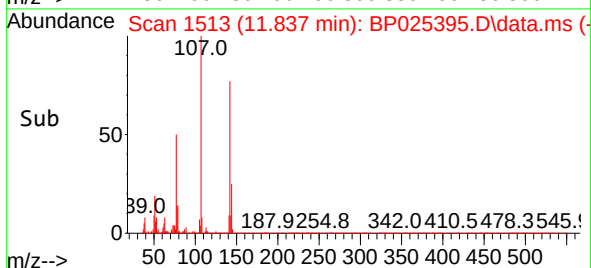
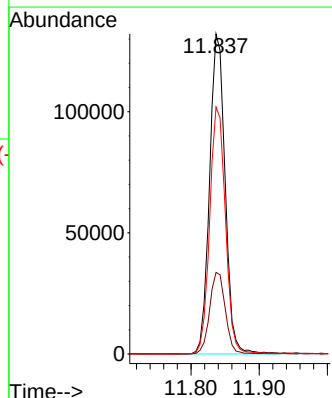
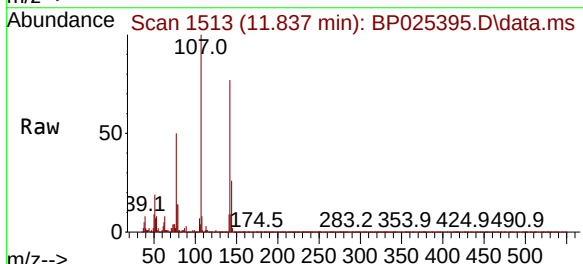
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

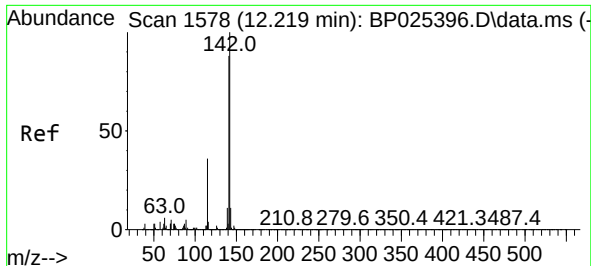
Tgt Ion:113 Resp: 66168
Ion Ratio Lower Upper
113 100
55 151.5 140.0 180.0
56 117.4 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 19.551 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 209817
Ion Ratio Lower Upper
107 100
144 25.5 21.0 31.4
142 77.1 64.6 97.0

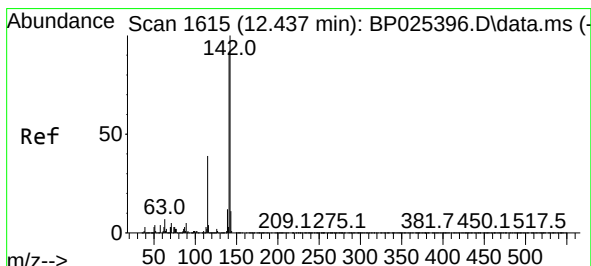
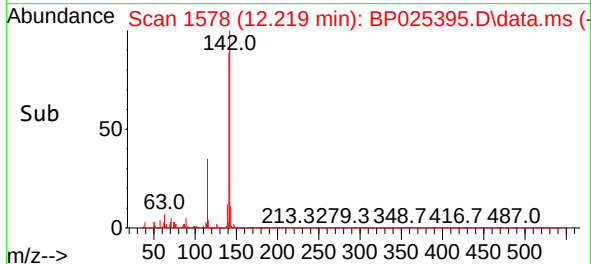
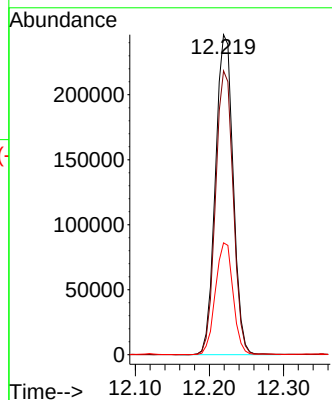
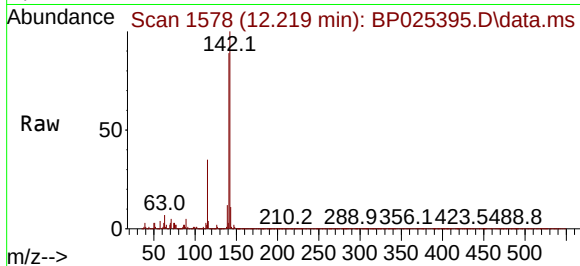




#37
2-Methylnaphthalene
Concen: 20.057 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

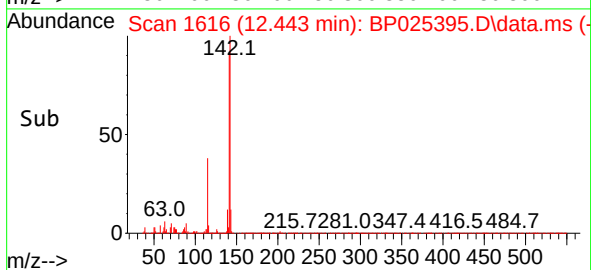
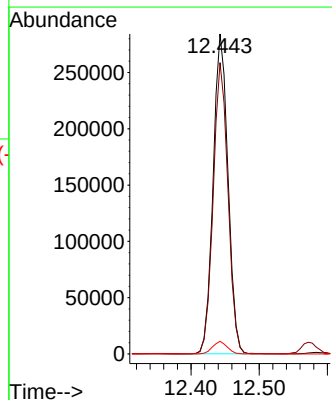
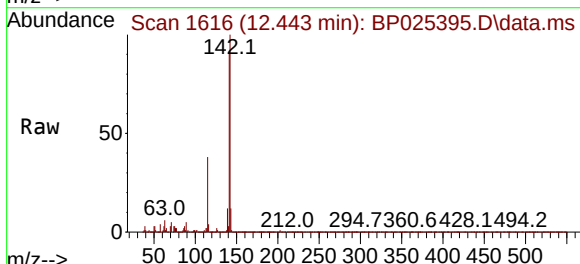
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

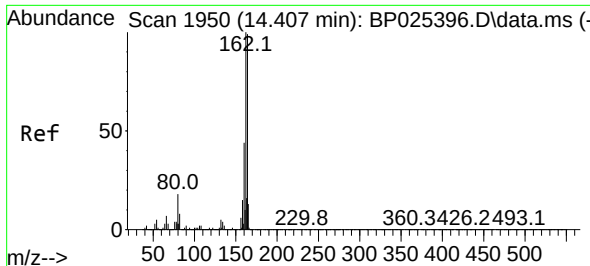
Tgt Ion:142 Resp: 409613
Ion Ratio Lower Upper
142 100
141 88.7 70.3 105.5
115 35.0 28.9 43.3



#38
1-Methylnaphthalene
Concen: 19.829 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:142 Resp: 430666
Ion Ratio Lower Upper
142 100
141 91.1 73.1 109.7
116 3.9 3.2 4.8

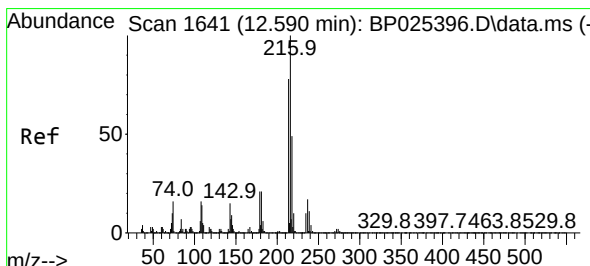
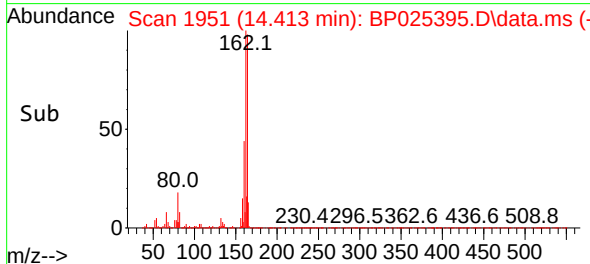
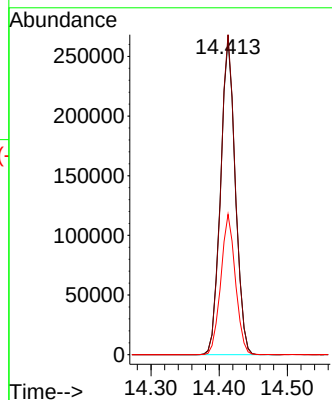
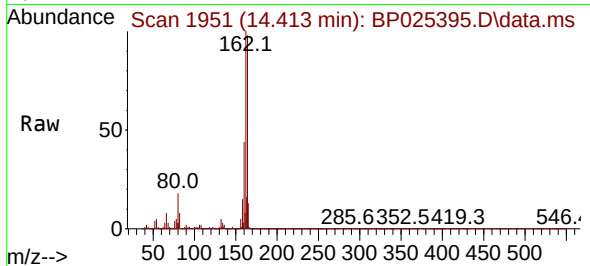




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

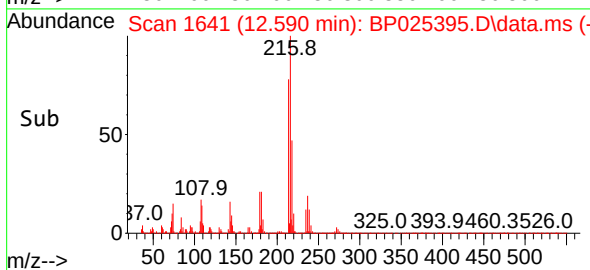
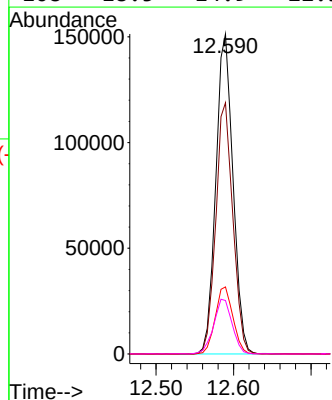
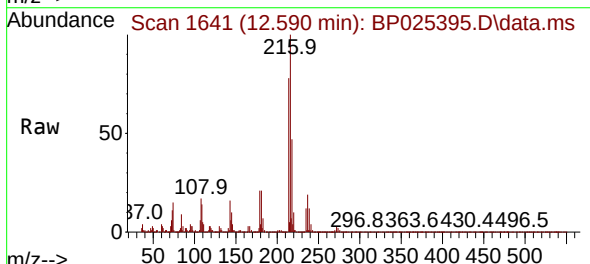
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

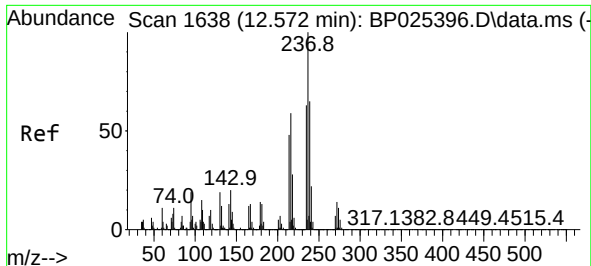
Tgt Ion:164 Resp: 399034
Ion Ratio Lower Upper
164 100
162 101.6 81.0 121.6
160 44.6 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.263 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:216 Resp: 233523
Ion Ratio Lower Upper
216 100
214 78.0 63.0 94.4
179 21.6 17.1 25.7
108 18.5 14.9 22.3

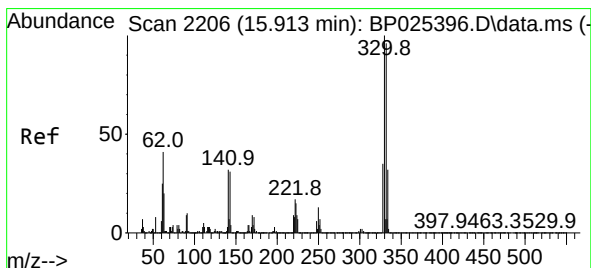
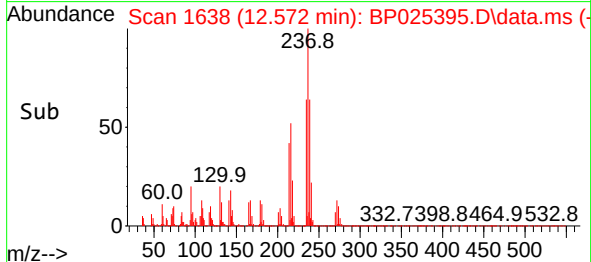
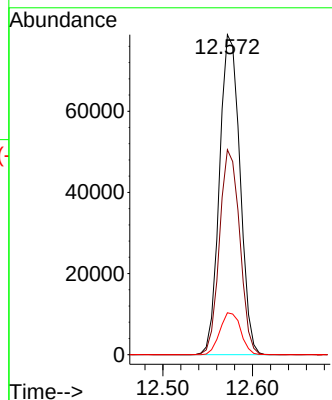
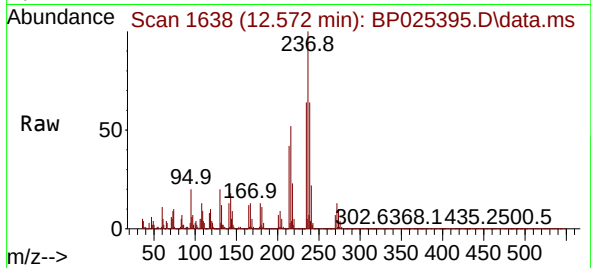




#41
Hexachlorocyclopentadiene
Concen: 17.922 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

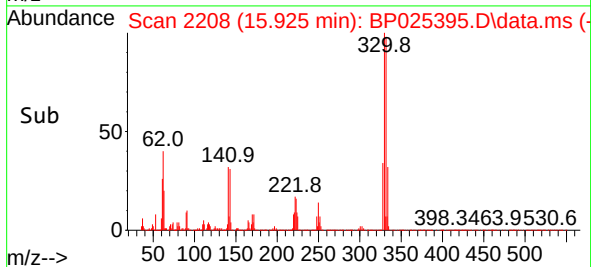
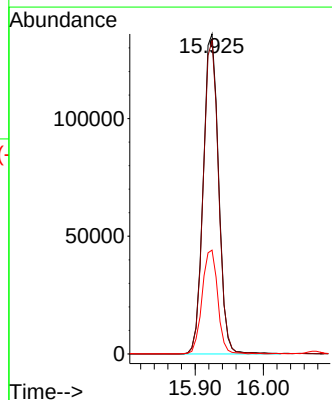
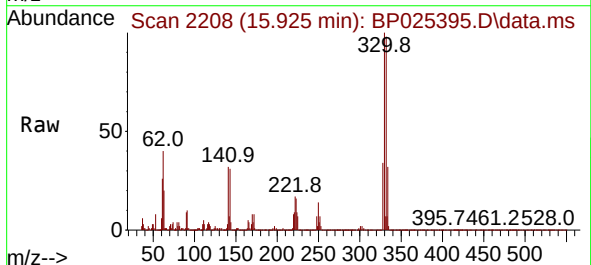
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

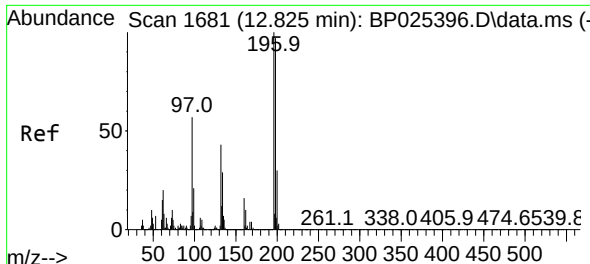
Tgt Ion:237 Resp: 124759
Ion Ratio Lower Upper
237 100
235 64.0 42.7 82.7
272 13.1 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 39.651 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:330 Resp: 212968
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 32.8 26.6 39.8

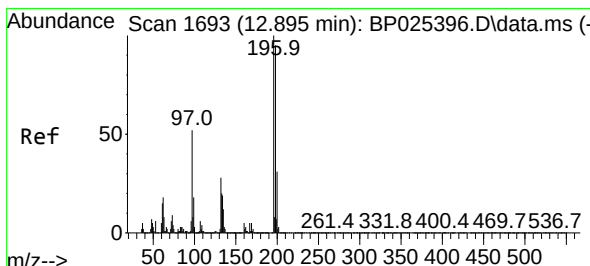
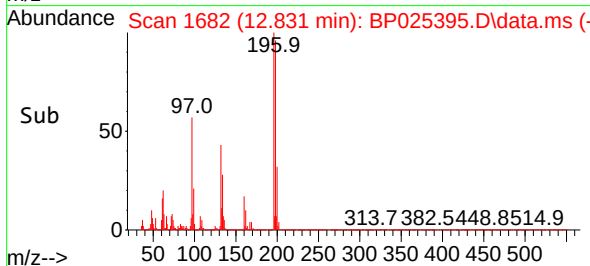
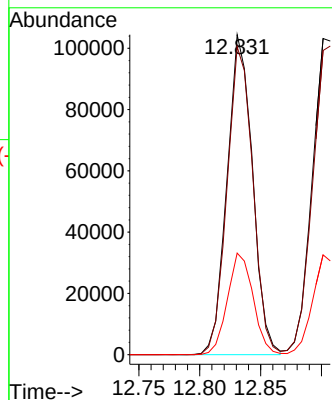
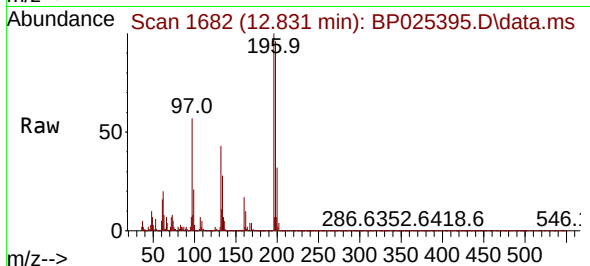




#43
2,4,6-Trichlorophenol
Concen: 19.540 ng
RT: 12.831 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

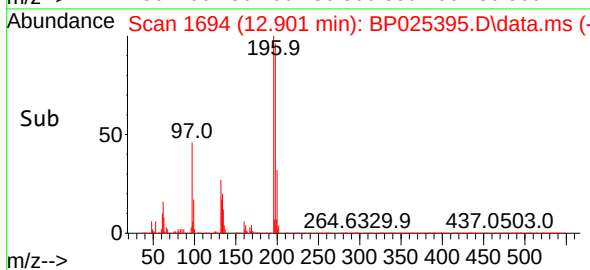
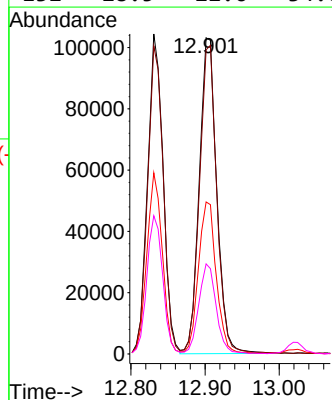
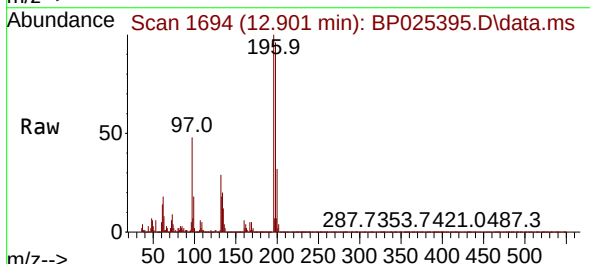
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

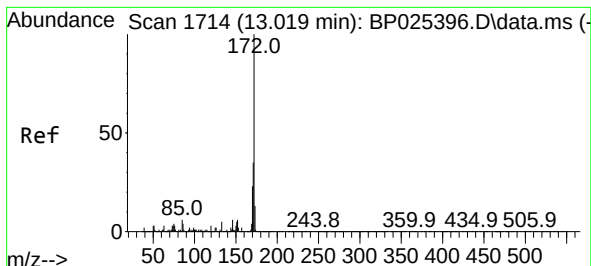
Tgt Ion:196 Resp: 152031
Ion Ratio Lower Upper
196 100
198 96.3 77.2 115.8
200 31.8 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 19.842 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:196 Resp: 169197
Ion Ratio Lower Upper
196 100
198 96.2 76.2 114.2
97 48.1 41.2 61.8
132 28.5 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 41.205 ng

RT: 13.025 min Scan# 1715

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

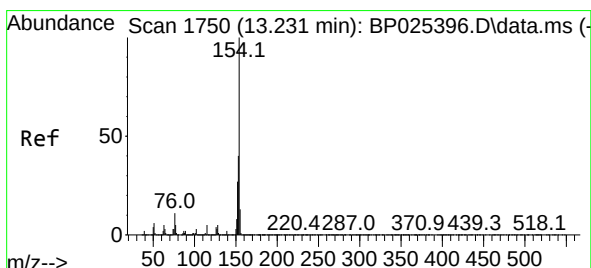
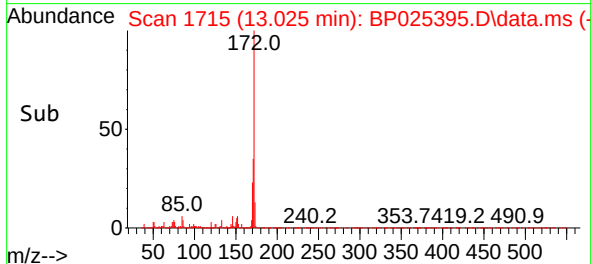
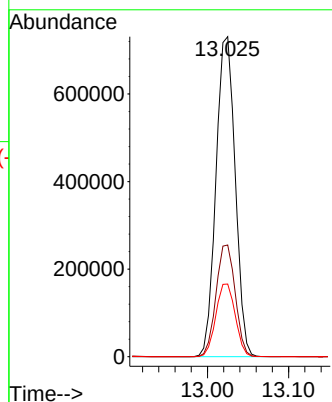
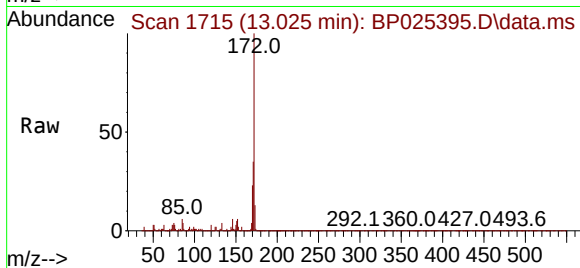
Tgt Ion:172 Resp: 1203064

Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 22.7 18.6 28.0



#46

1,1'-Biphenyl

Concen: 20.064 ng

RT: 13.237 min Scan# 1751

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

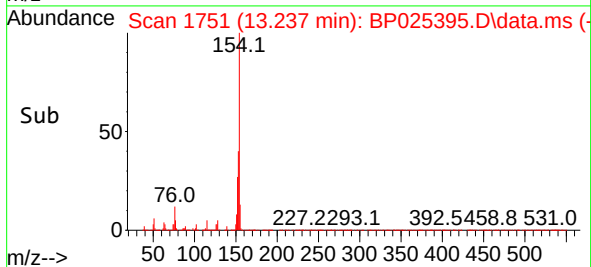
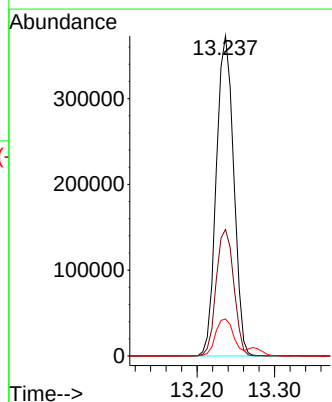
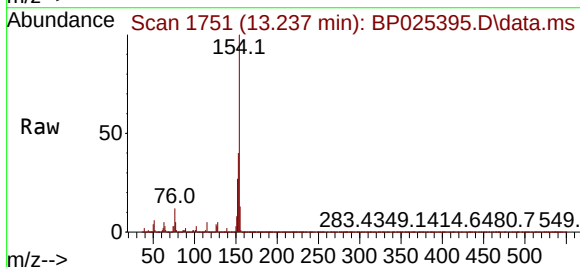
Tgt Ion:154 Resp: 581464

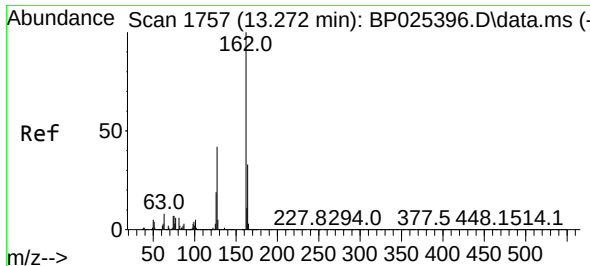
Ion Ratio Lower Upper

154 100

153 39.5 19.5 59.5

76 11.5 0.0 31.1

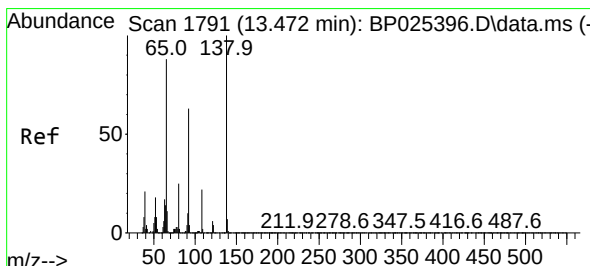
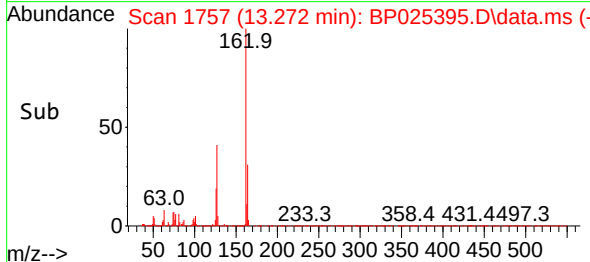
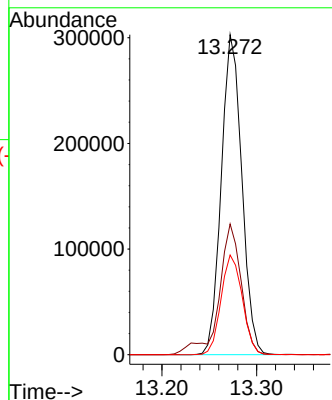
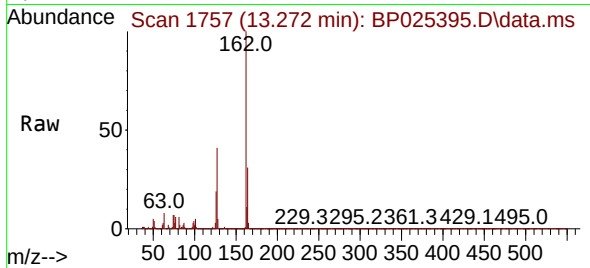




#47
2-Chloronaphthalene
Concen: 20.237 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

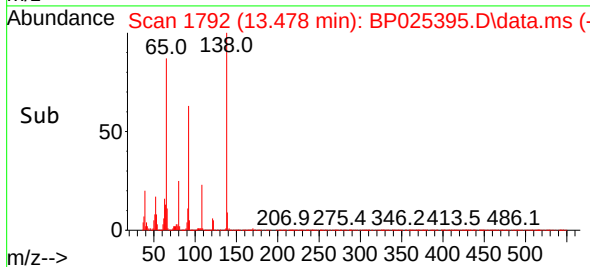
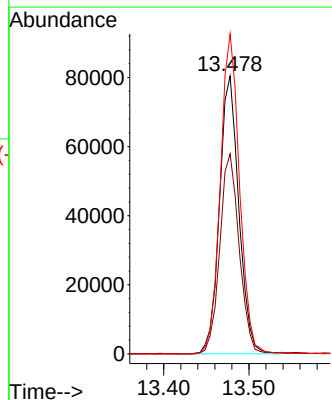
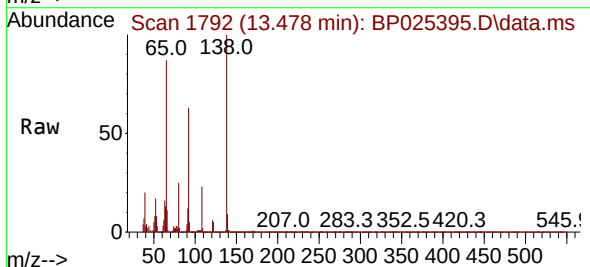
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

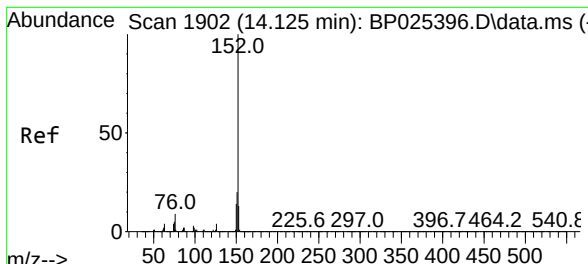
Tgt Ion:162 Resp: 456552
Ion Ratio Lower Upper
162 100
127 40.9 33.4 50.2
164 31.2 26.2 39.2



#48
2-Nitroaniline
Concen: 19.233 ng
RT: 13.478 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 65 Resp: 126433
Ion Ratio Lower Upper
65 100
92 72.0 57.6 86.4
138 115.1 91.0 136.6

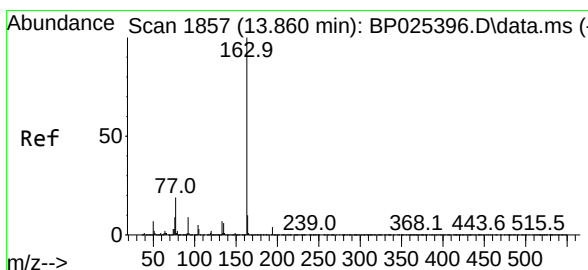
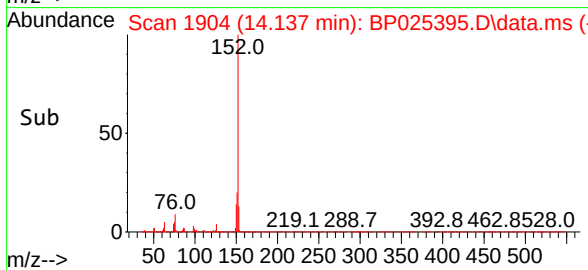
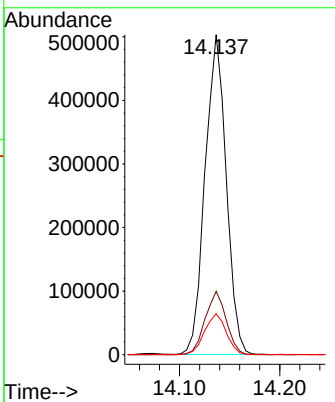
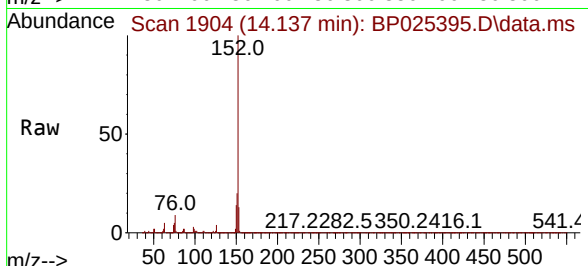




#49
Acenaphthylene
Concen: 19.756 ng
RT: 14.137 min Scan# 1904
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

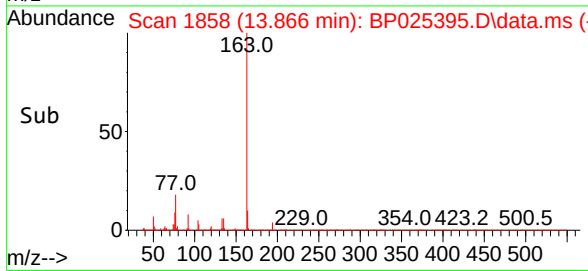
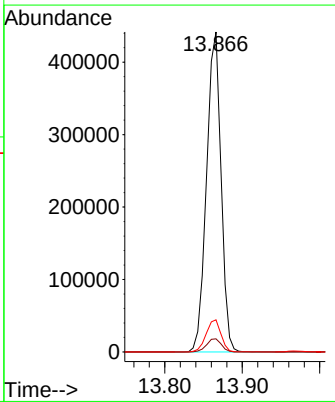
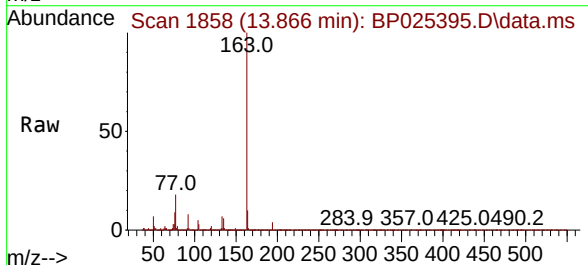
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

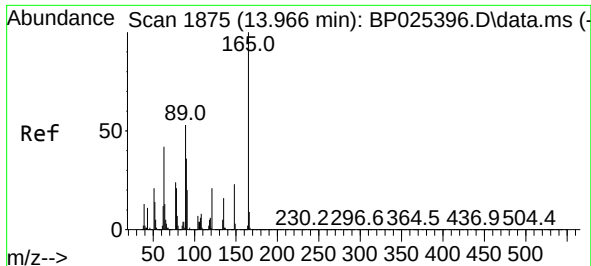
Tgt Ion:	152	Resp:	737527
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.0	24.0
153	12.8	10.6	15.8



#50
Dimethylphthalate
Concen: 19.632 ng
RT: 13.866 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:	163	Resp:	573661
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9

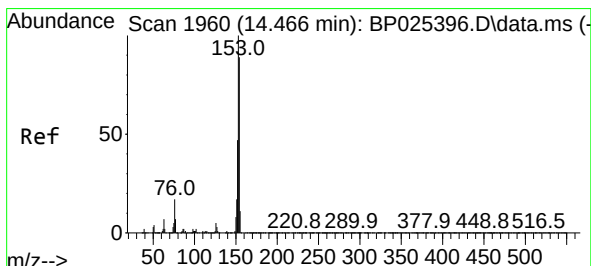
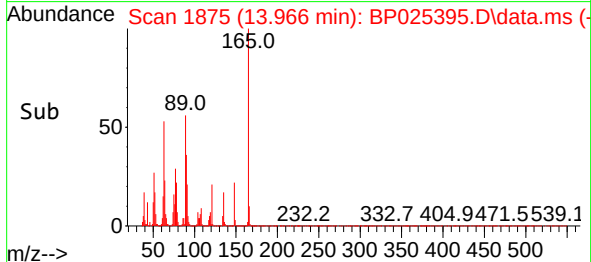
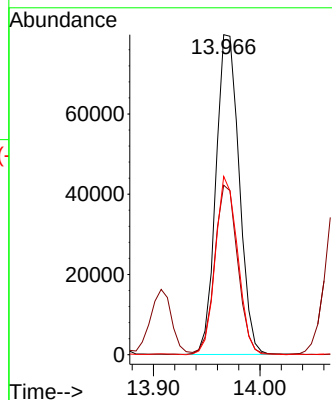
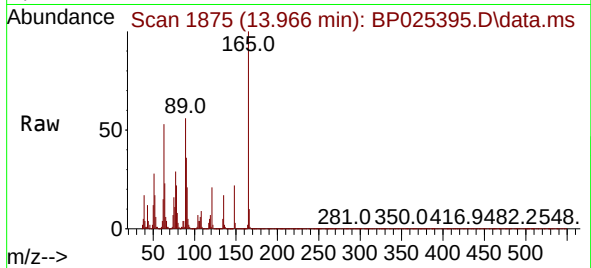




#51
2,6-Dinitrotoluene
Concen: 19.597 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

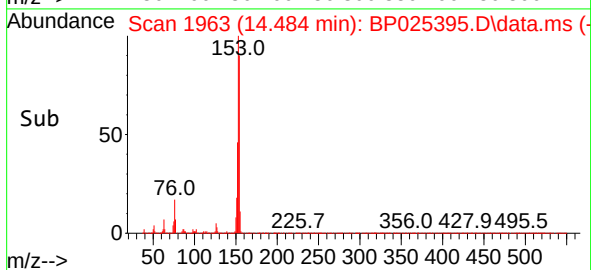
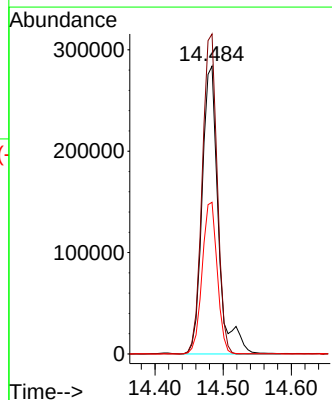
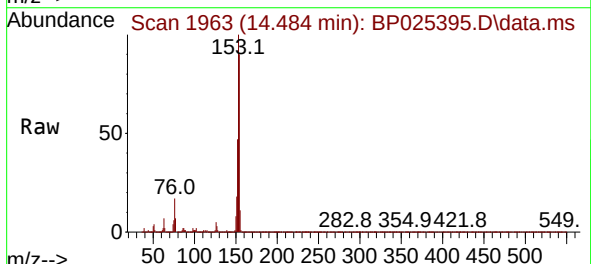
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

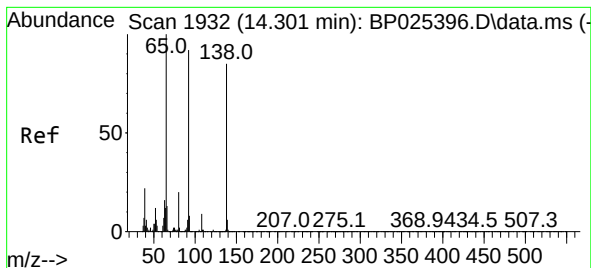
Tgt Ion:165 Resp: 120693
Ion Ratio Lower Upper
165 100
63 52.9 40.9 61.3
89 55.7 42.1 63.1



#52
Acenaphthene
Concen: 21.423 ng
RT: 14.484 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:154 Resp: 469441
Ion Ratio Lower Upper
154 100
153 111.2 90.2 135.2
152 52.7 42.1 63.1

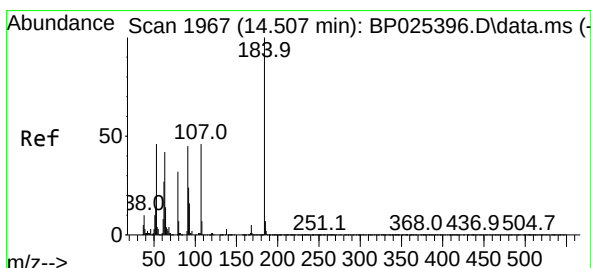
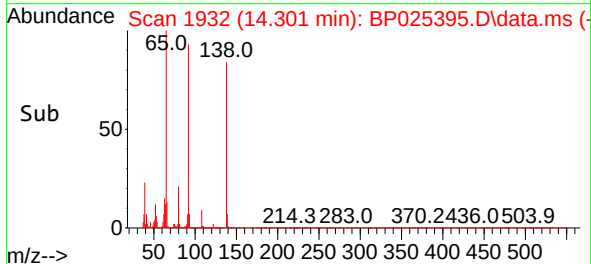
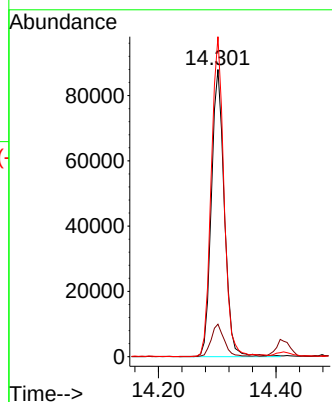
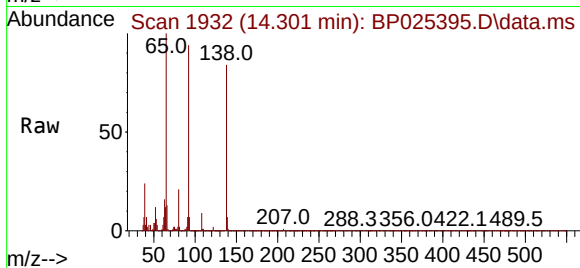




#53
3-Nitroaniline
Concen: 19.410 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

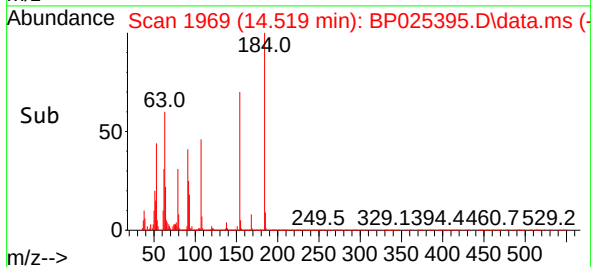
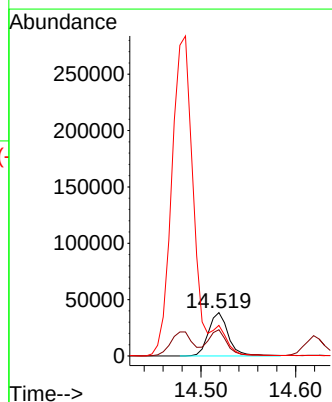
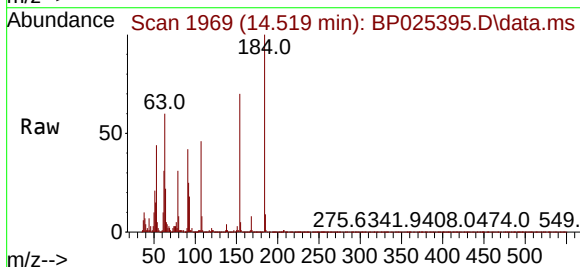
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

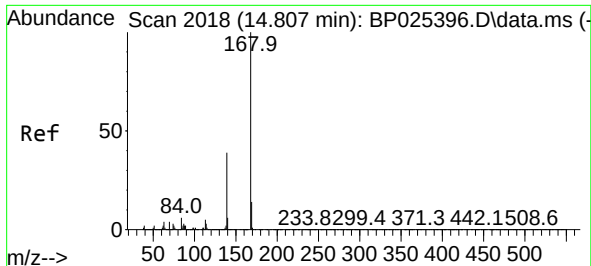
Tgt Ion:138 Resp: 134502
Ion Ratio Lower Upper
138 100
108 11.3 8.3 12.5
92 111.4 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 16.939 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:184 Resp: 55713
Ion Ratio Lower Upper
184 100
63 60.4 49.4 74.2
154 70.4 54.6 82.0

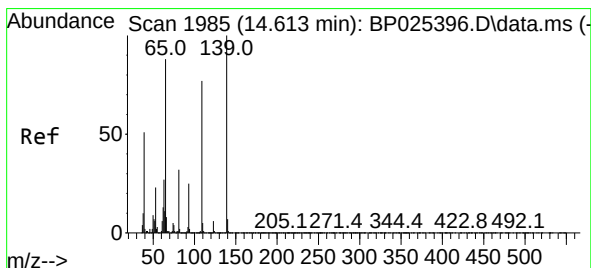
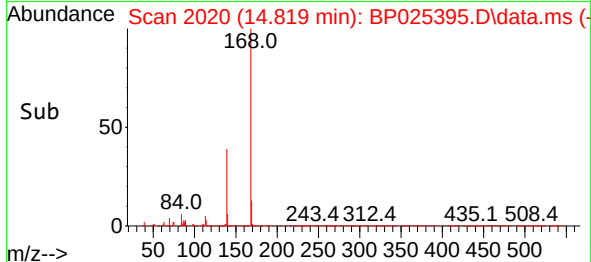
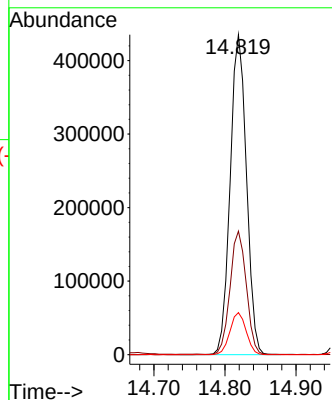
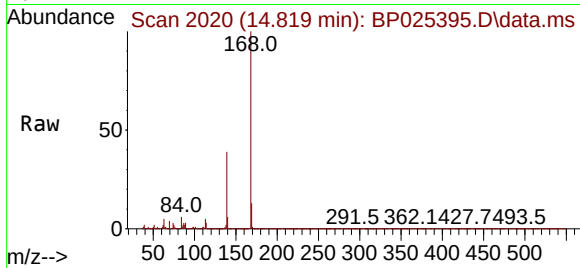




#55
Dibenzofuran
Concen: 20.002 ng
RT: 14.819 min Scan# 20
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

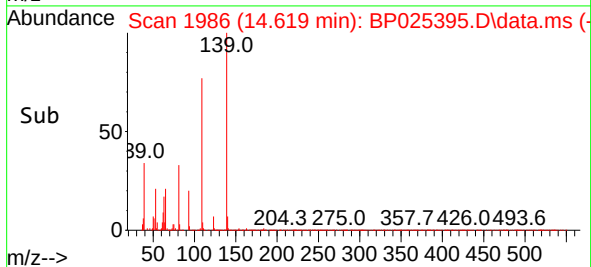
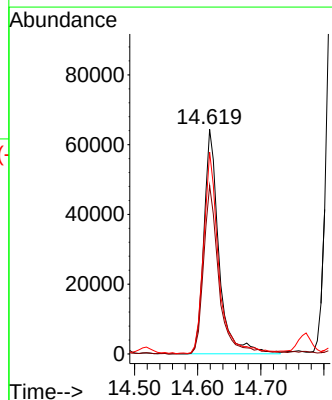
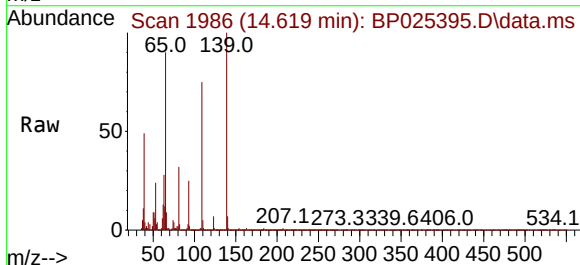
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

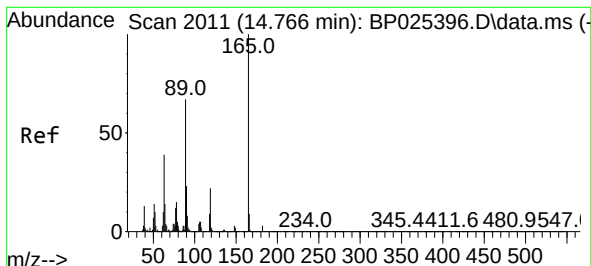
Tgt Ion:168 Resp: 692966
Ion Ratio Lower Upper
168 100
139 38.6 31.5 47.3
169 13.1 10.9 16.3



#56
4-Nitrophenol
Concen: 18.578 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:139 Resp: 105787
Ion Ratio Lower Upper
139 100
109 75.0 56.6 96.6
65 89.8 68.2 108.2



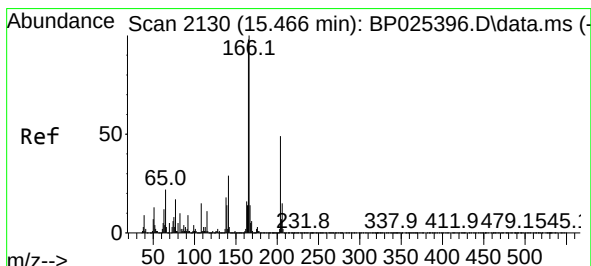
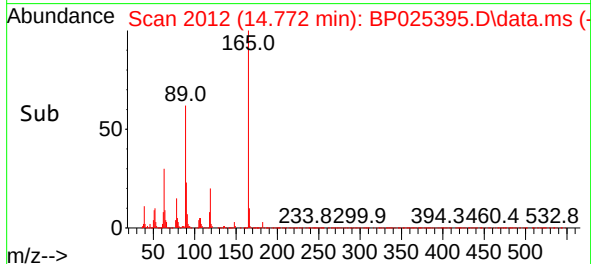
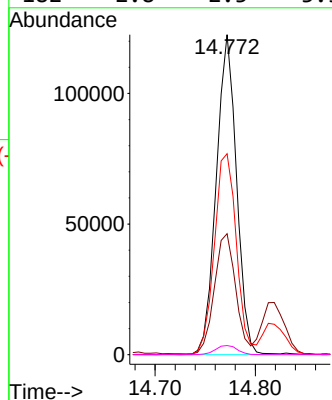
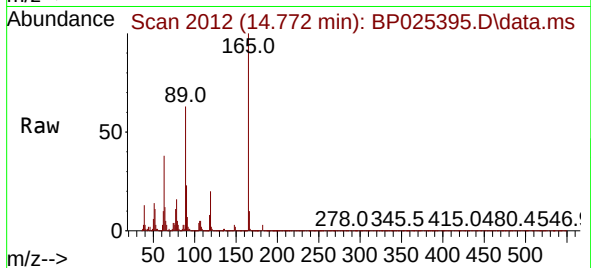


#57
2,4-Dinitrotoluene
Concen: 19.576 ng
RT: 14.772 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 172020

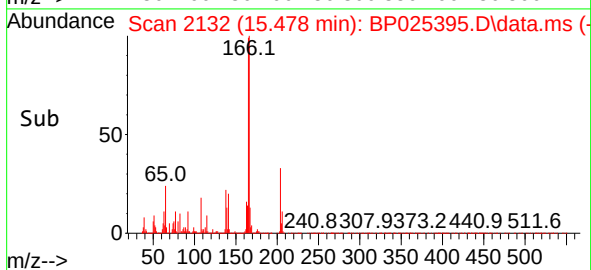
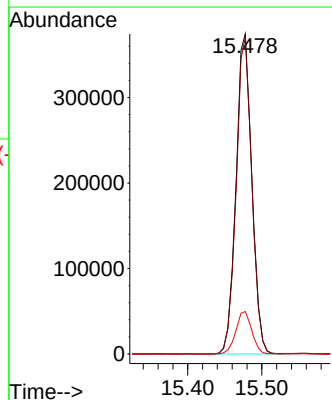
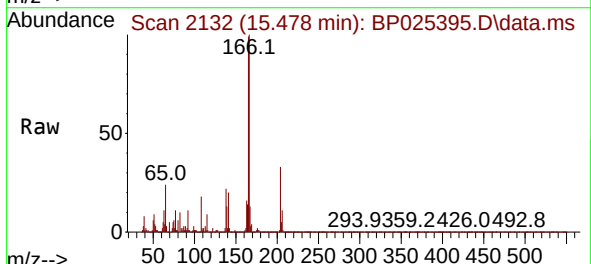
Ion	Ratio	Lower	Upper
165	100		
63	37.8	31.4	47.2
89	62.8	53.3	79.9
182	2.8	2.3	3.5

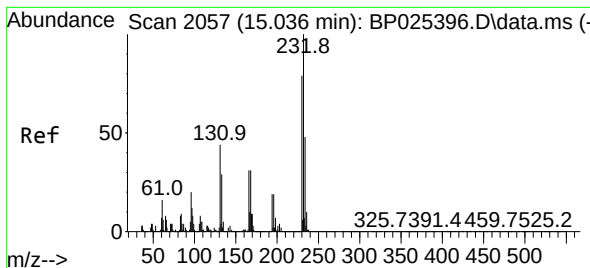


#58
Fluorene
Concen: 20.289 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:166 Resp: 554647

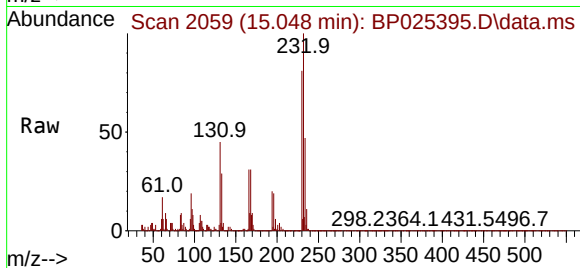
Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.8	118.2
167	13.3	11.0	16.4



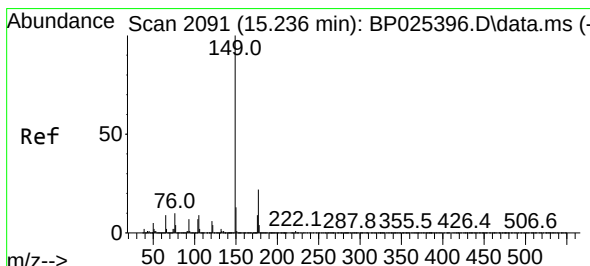
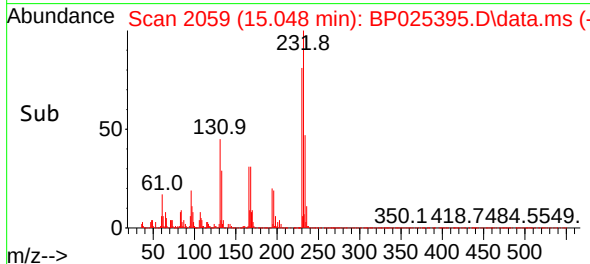
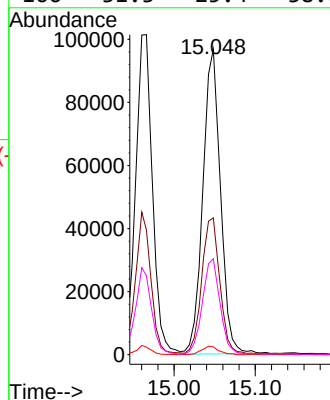


#59
2,3,4,6-Tetrachlorophenol
Concen: 19.381 ng
RT: 15.048 min Scan# 2059
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

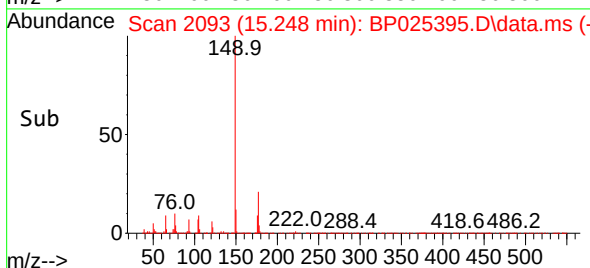
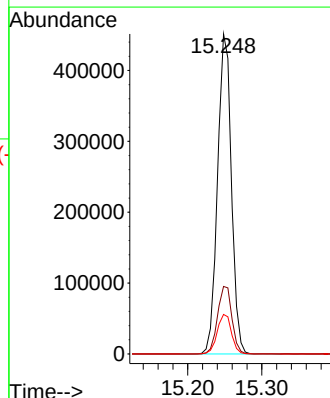
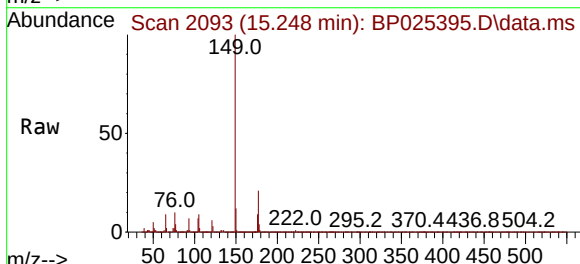


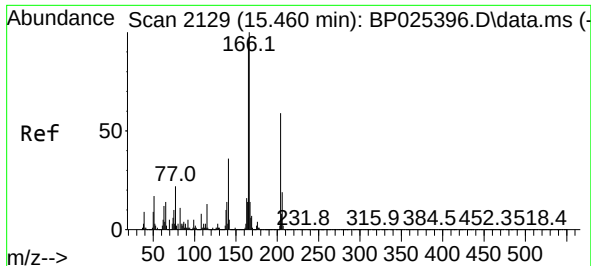
Tgt Ion:232 Resp: 145926
Ion Ratio Lower Upper
232 100
131 45.5 37.0 55.6
130 2.7 1.9 2.9
166 31.3 25.4 38.0



#60
Diethylphthalate
Concen: 19.689 ng
RT: 15.248 min Scan# 2093
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 584590
Ion Ratio Lower Upper
149 100
177 21.1 17.3 25.9
150 12.4 10.3 15.5

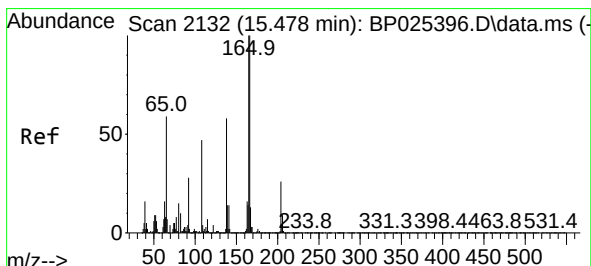
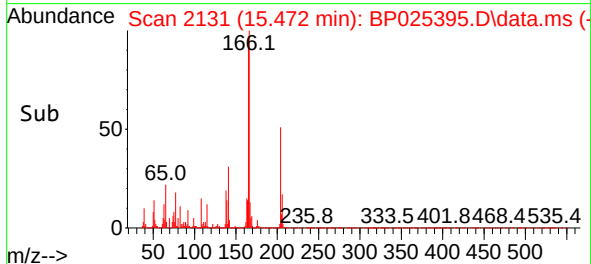
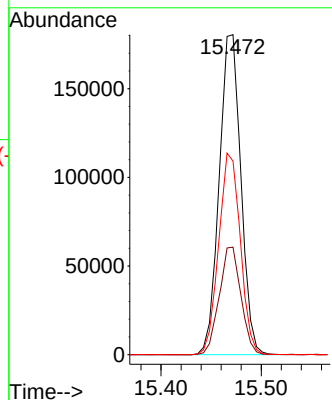
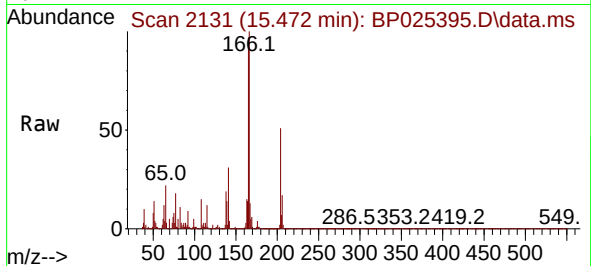




#61
4-Chlorophenyl-phenylether
Concen: 19.929 ng
RT: 15.472 min Scan# 2113
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

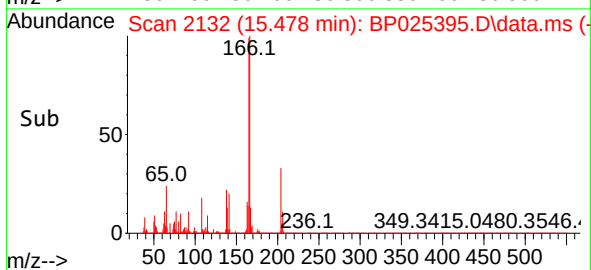
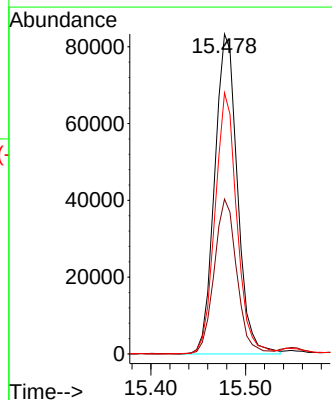
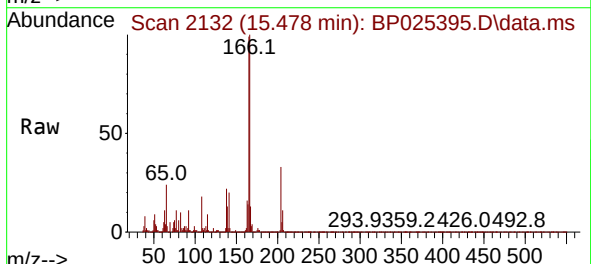
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

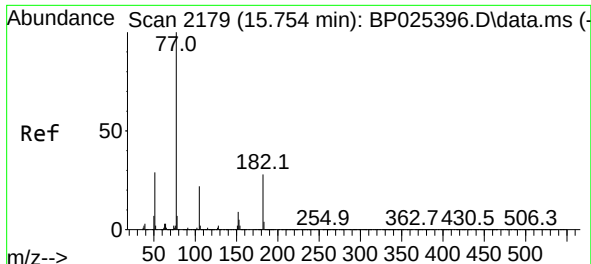
Tgt Ion:204 Resp: 270949
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 60.5 49.4 74.2



#62
4-Nitroaniline
Concen: 19.595 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:138 Resp: 139202
Ion Ratio Lower Upper
138 100
92 48.4 29.1 69.1
108 81.6 61.5 101.5

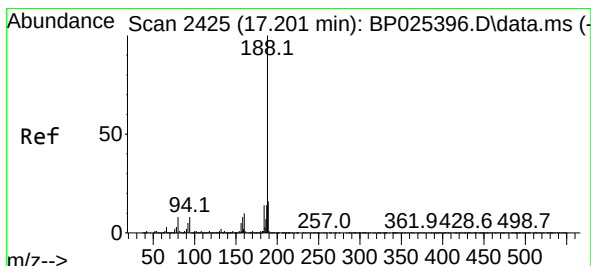
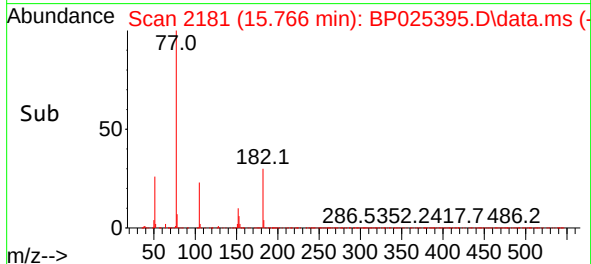
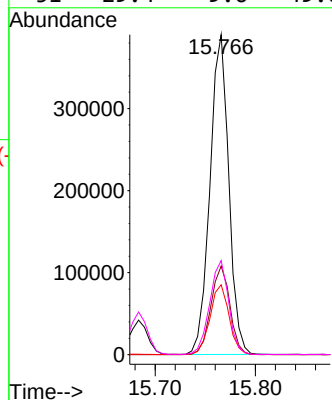
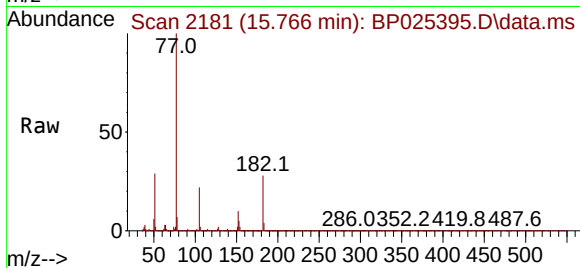




#63
Azobenzene
Concen: 20.004 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

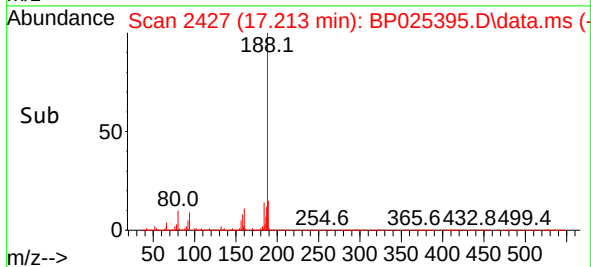
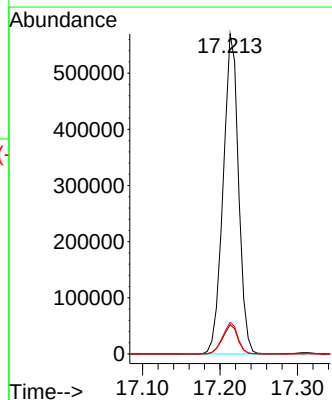
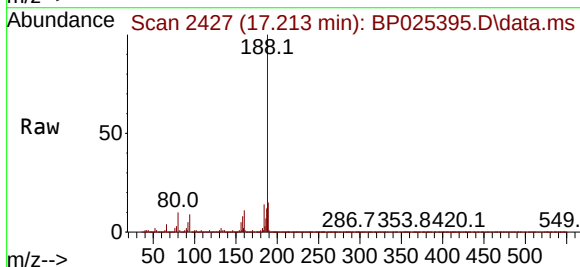
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

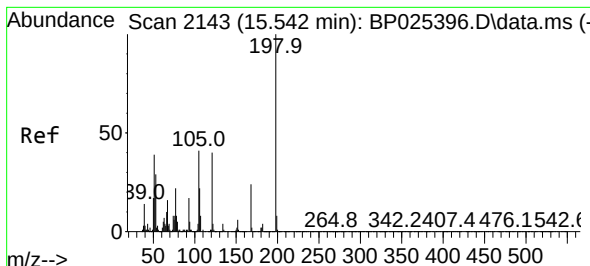
Tgt Ion: 77	Resp: 508563
Ion Ratio	Lower Upper
77 100	
182 27.7	7.5 47.5
105 21.9	2.1 42.1
51 29.4	9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt	Ion:188	Resp:	785736
Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.9	6.7	10.1

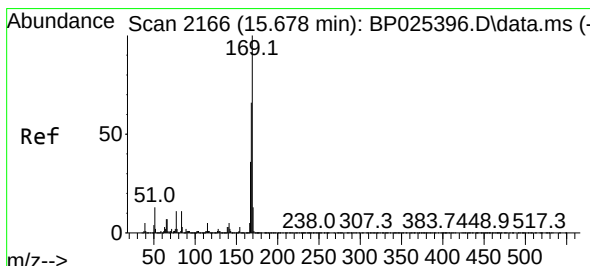
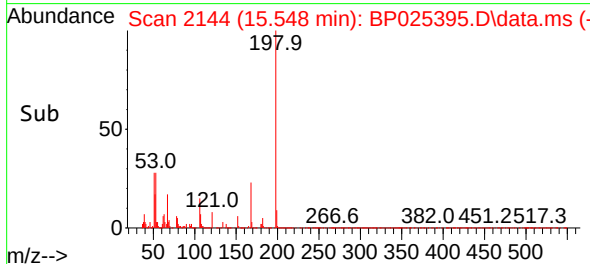
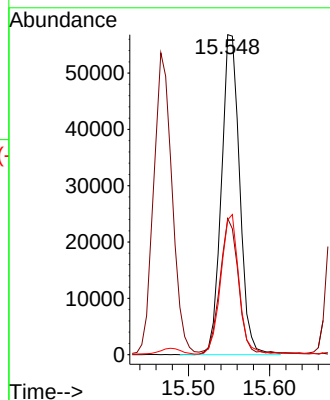
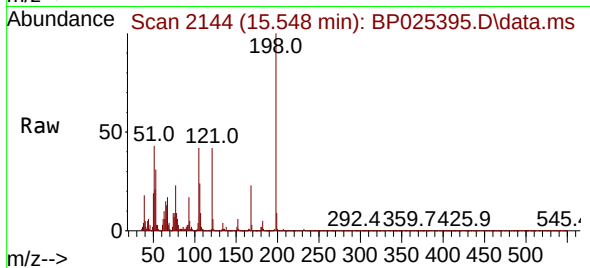




#65
4,6-Dinitro-2-methylphenol
Concen: 18.169 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

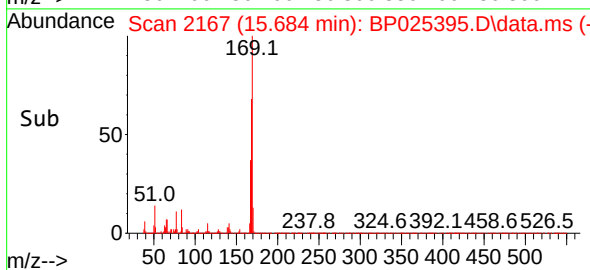
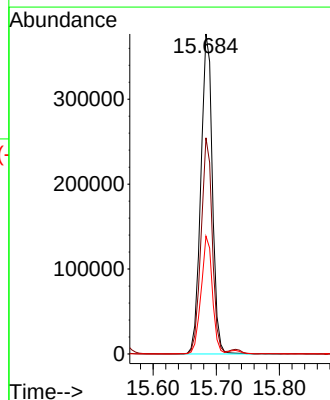
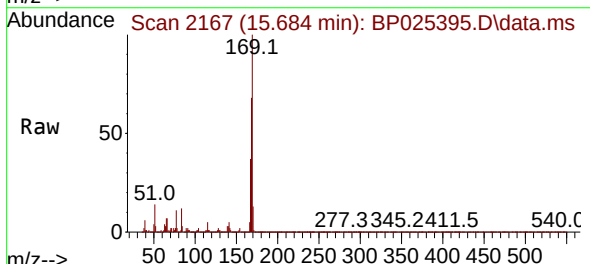
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

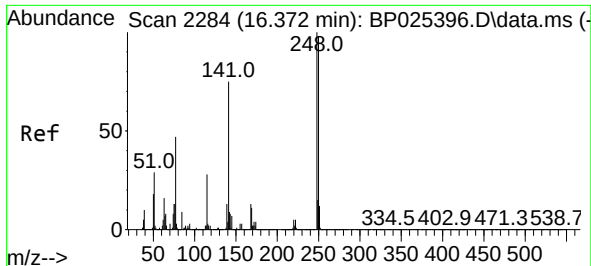
Tgt Ion:	198	Resp:	88992
Ion Ratio	Lower	Upper	
198	100		
51	42.6	19.6	59.6
105	42.2	20.9	60.9



#66
n-Nitrosodiphenylamine
Concen: 19.911 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:	169	Resp:	477080
Ion Ratio	Lower	Upper	
169	100		
168	67.5	53.2	79.8
167	36.8	28.7	43.1

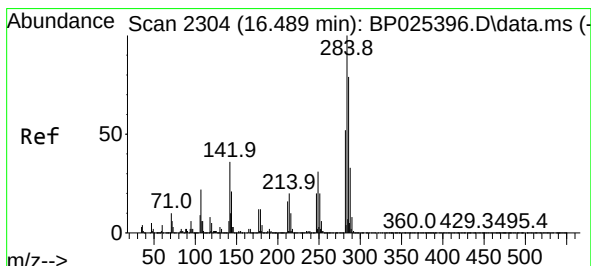
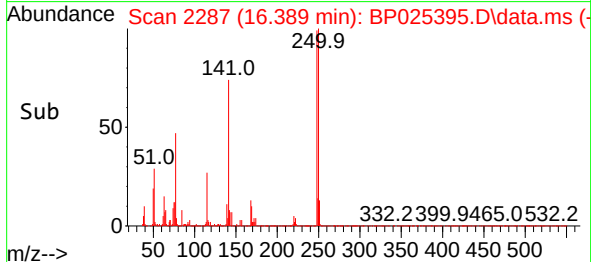
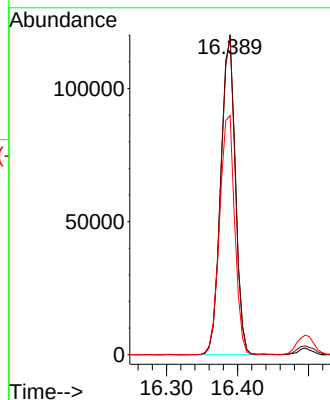
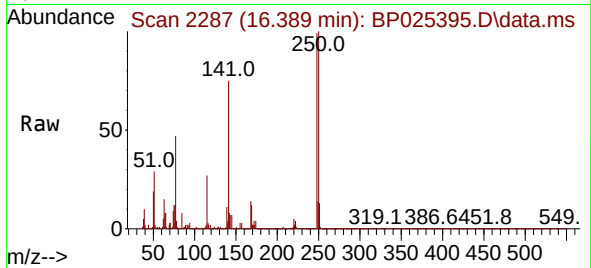




#67
4-Bromophenyl-phenylether
Concen: 19.758 ng
RT: 16.389 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

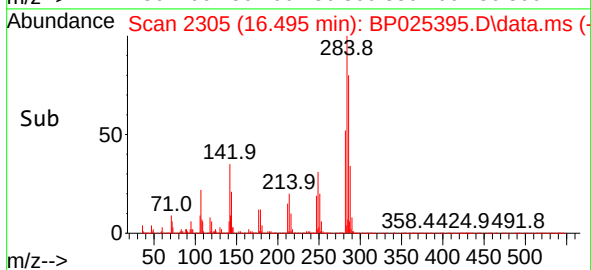
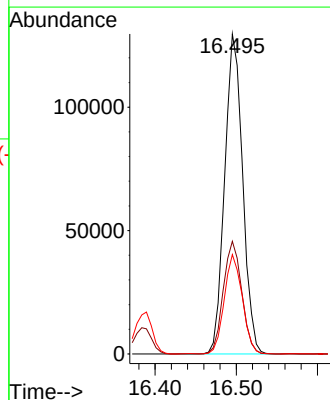
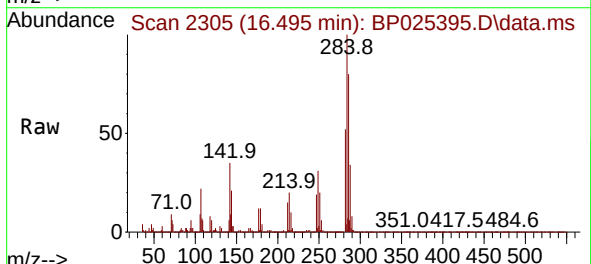
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

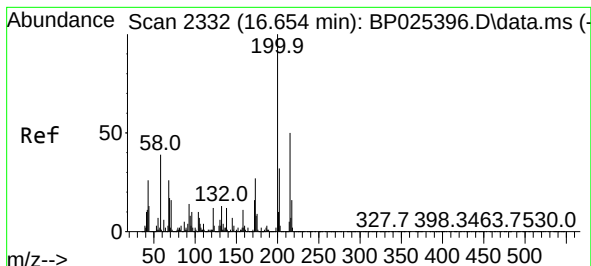
Tgt Ion:248 Resp: 170738
Ion Ratio Lower Upper
248 100
250 101.4 78.2 117.2
141 75.7 59.6 89.4



#68
Hexachlorobenzene
Concen: 19.906 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:284 Resp: 199410
Ion Ratio Lower Upper
284 100
142 35.2 29.1 43.7
249 31.0 25.0 37.4





#69

Atrazine

Concen: 20.006 ng

RT: 16.666 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

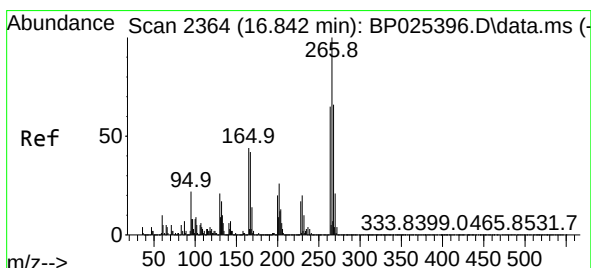
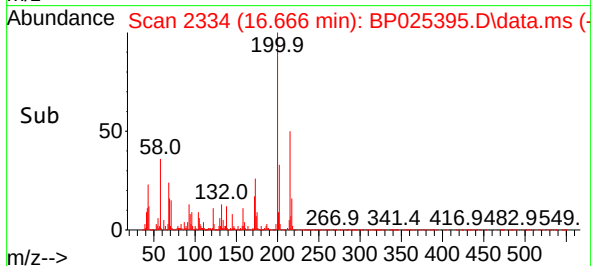
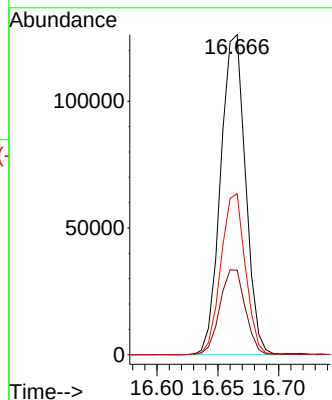
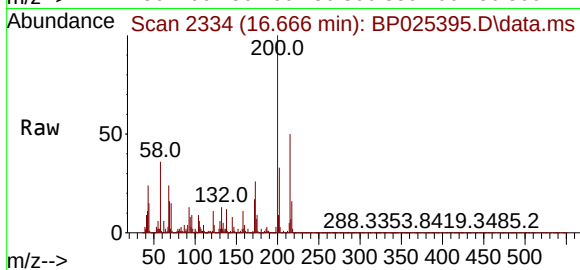
Tgt Ion:200 Resp: 179513

Ion Ratio Lower Upper

200 100

173 26.4 6.7 46.7

215 50.3 29.7 69.7



#70

Pentachlorophenol

Concen: 19.128 ng

RT: 16.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

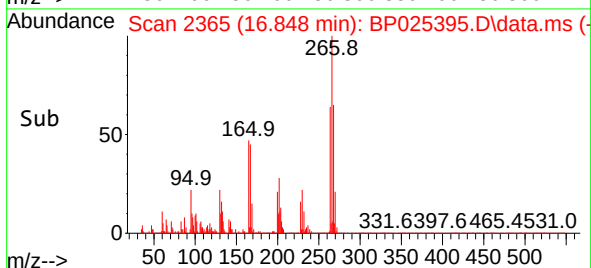
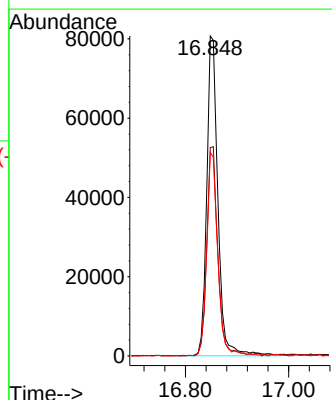
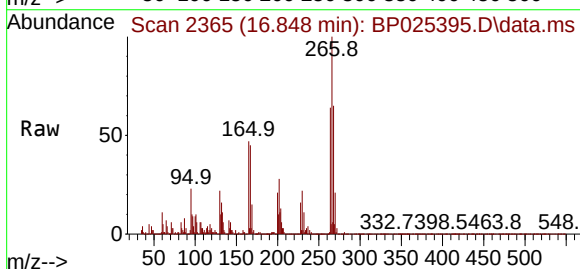
Tgt Ion:266 Resp: 120958

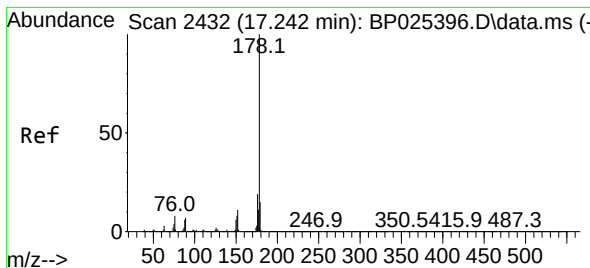
Ion Ratio Lower Upper

266 100

268 65.1 52.6 79.0

264 63.6 52.0 78.0





#71

Phenanthrene

Concen: 20.223 ng

RT: 17.254 min Scan# 2432

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

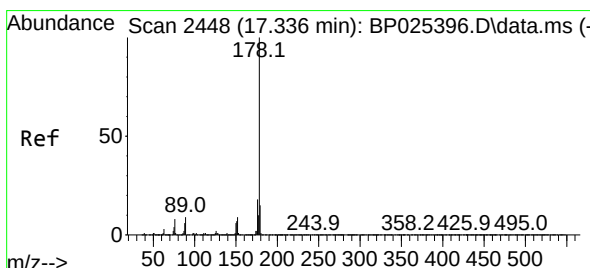
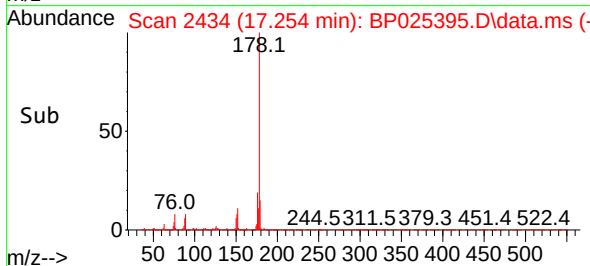
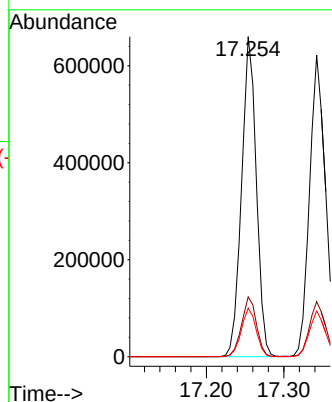
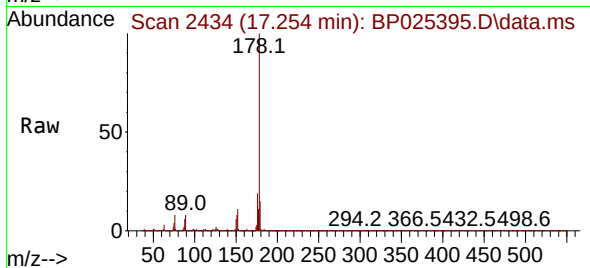
Tgt Ion:178 Resp: 872890

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 15.2 12.2 18.4



#72

Anthracene

Concen: 20.198 ng

RT: 17.342 min Scan# 2449

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

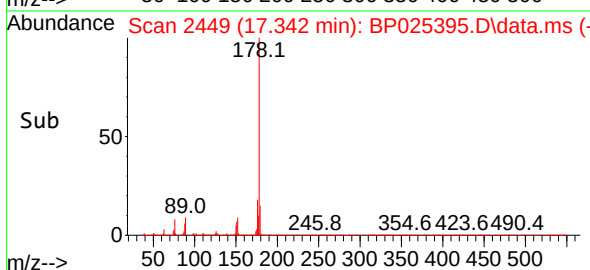
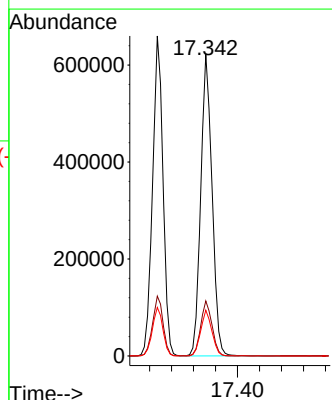
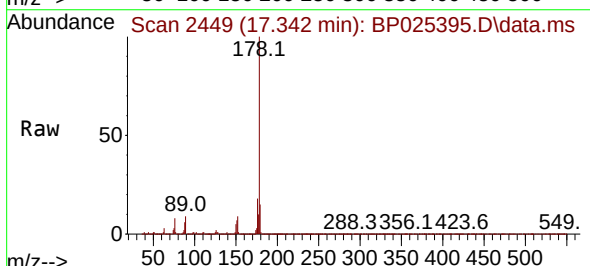
Tgt Ion:178 Resp: 890292

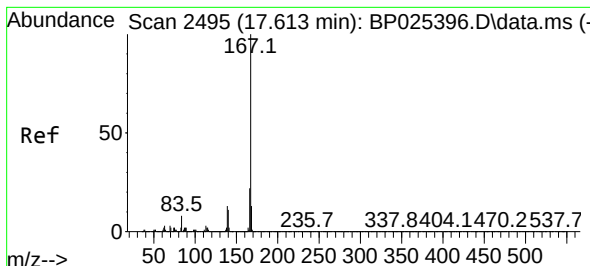
Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 15.2 12.2 18.2





#73

Carbazole

Concen: 20.328 ng

RT: 17.625 min Scan# 2495

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

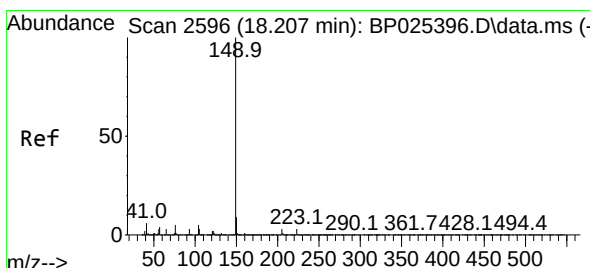
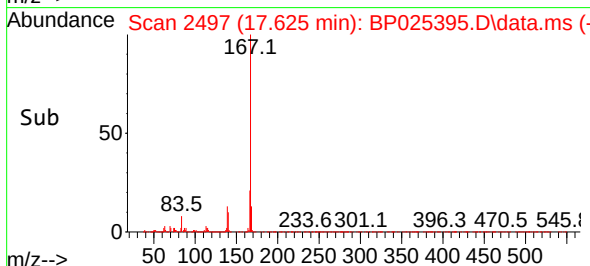
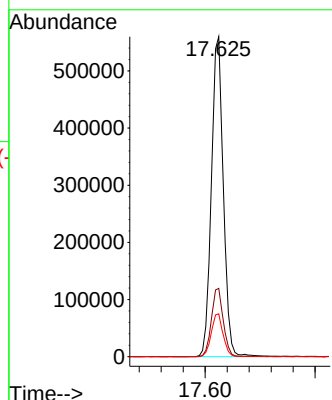
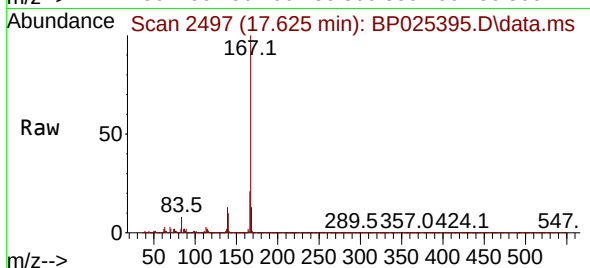
Tgt Ion:167 Resp: 843970

Ion Ratio Lower Upper

167 100

166 21.4 17.5 26.3

139 13.4 10.6 16.0



#74

Di-n-butylphthalate

Concen: 20.491 ng

RT: 18.219 min Scan# 2598

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

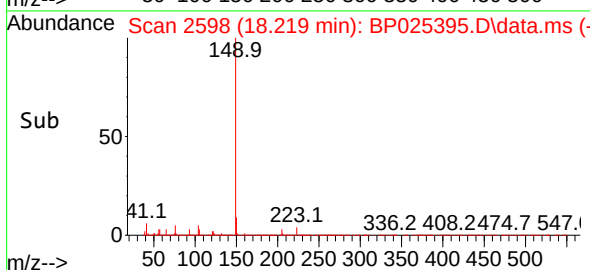
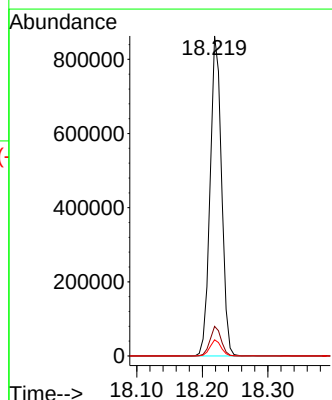
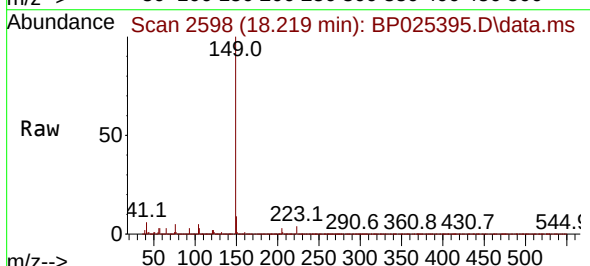
Tgt Ion:149 Resp: 1046709

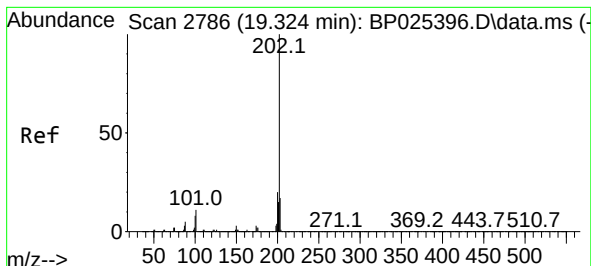
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 5.1 4.2 6.2





#75

Fluoranthene

Concen: 20.567 ng

RT: 19.342 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

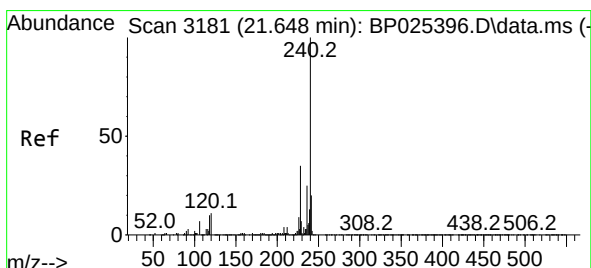
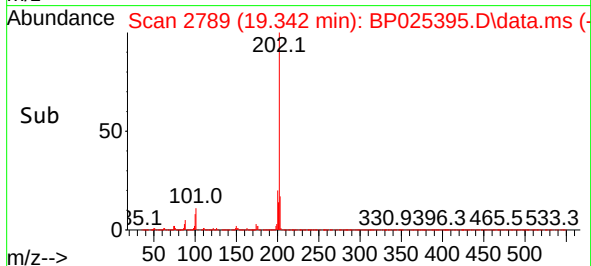
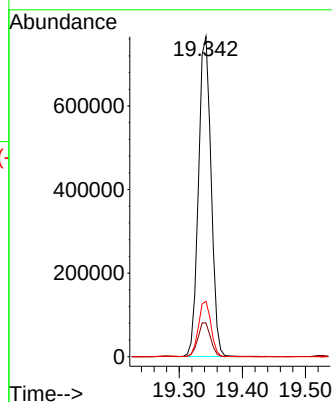
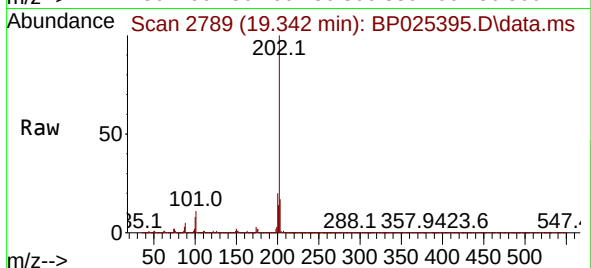
Tgt Ion:202 Resp: 1058912

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.1

203 17.3 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.654 min Scan# 3182

Delta R.T. 0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

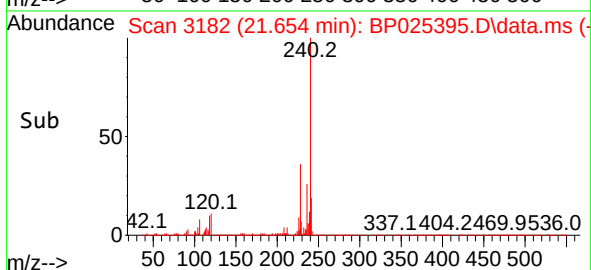
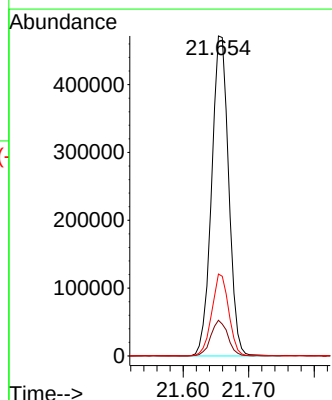
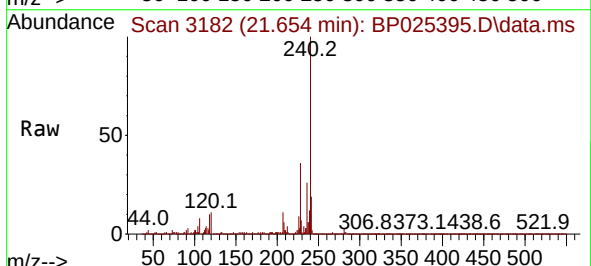
Tgt Ion:240 Resp: 852065

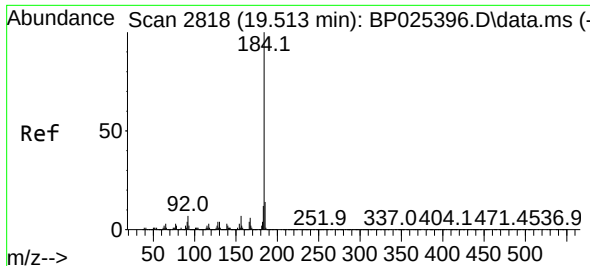
Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

236 25.6 19.8 29.8

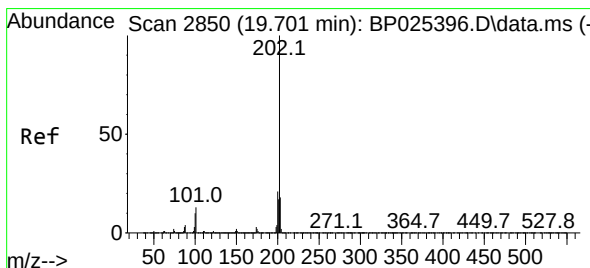
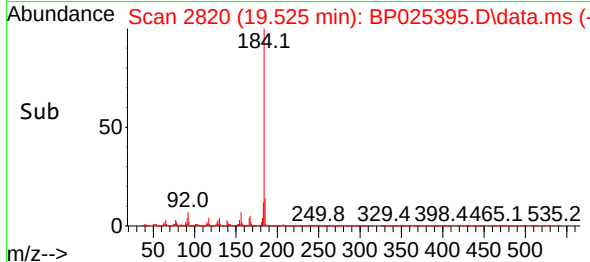
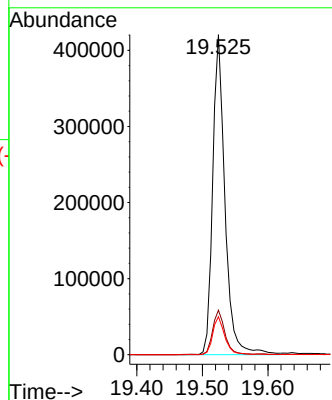
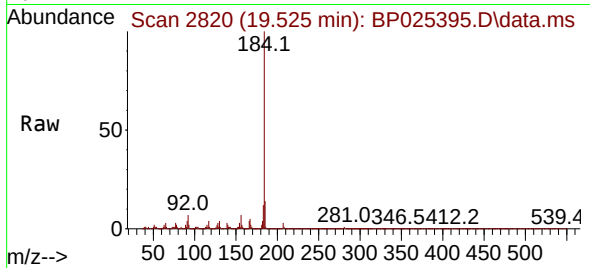




#77
Benzidine
Concen: 18.799 ng
RT: 19.525 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

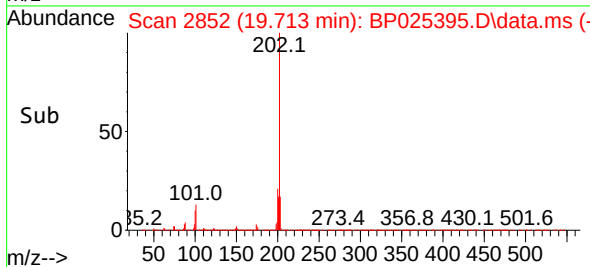
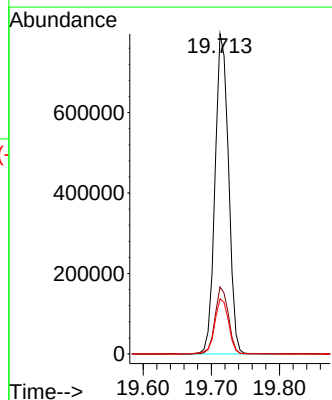
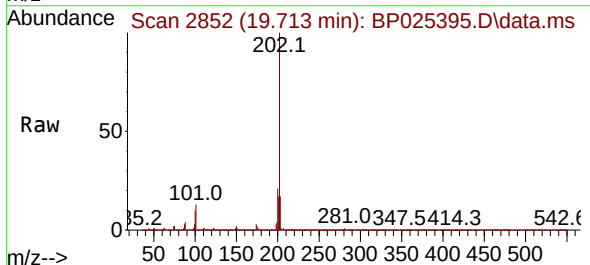
Instrument :
BNA_P
ClientSampleId :
SSTDIC020

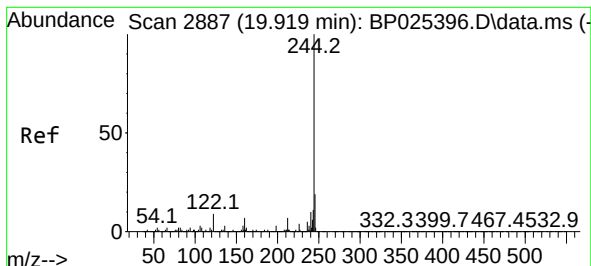
Tgt Ion:184 Resp: 546647
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 11.9 9.4 14.2



#78
Pyrene
Concen: 19.807 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:202 Resp: 1096965
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 40.152 ng

RT: 19.930 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

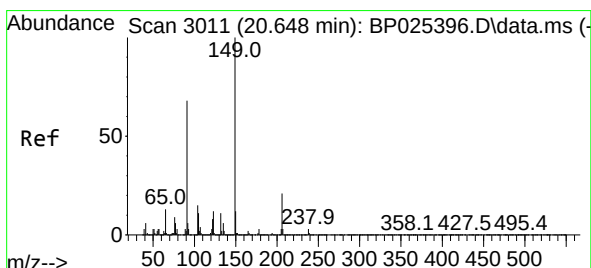
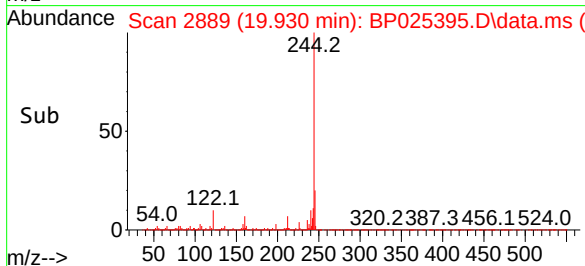
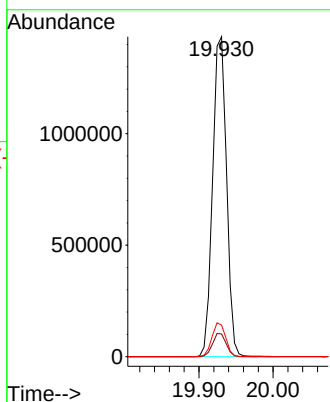
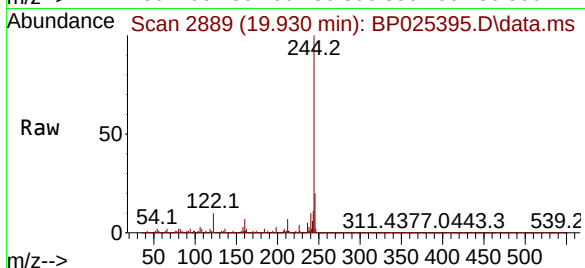
Tgt Ion:244 Resp: 1869951

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.9 7.4 11.2



#80

Butylbenzylphthalate

Concen: 20.081 ng

RT: 20.666 min Scan# 3014

Delta R.T. 0.018 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

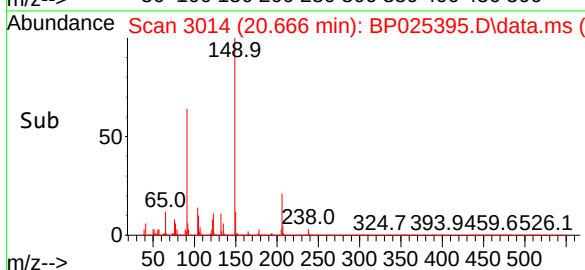
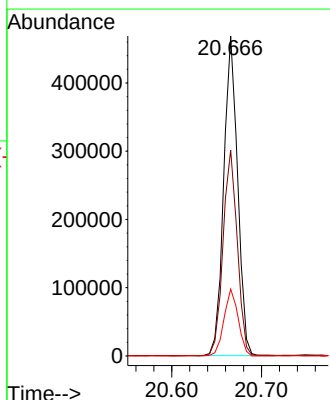
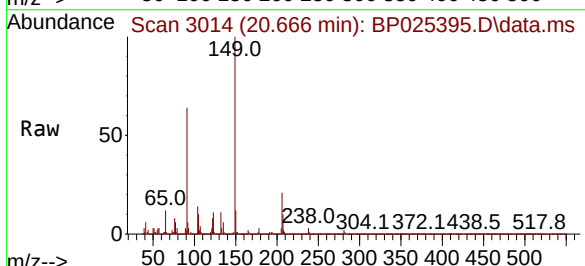
Tgt Ion:149 Resp: 504019

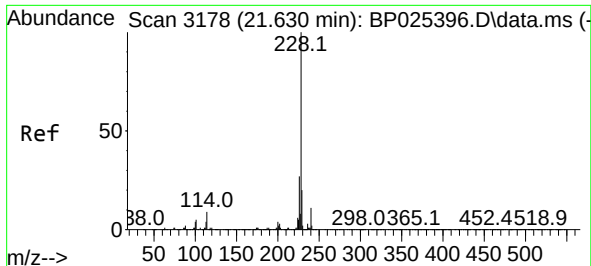
Ion Ratio Lower Upper

149 100

91 64.4 54.2 81.2

206 20.9 16.6 24.8

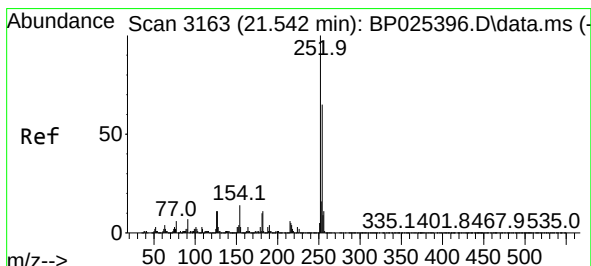
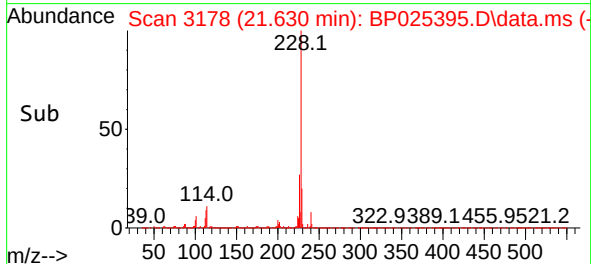
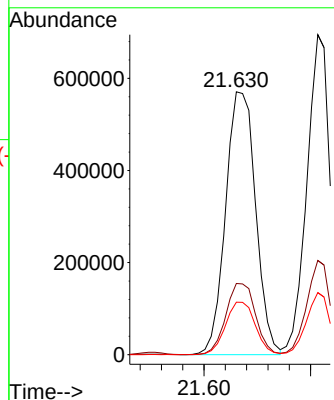
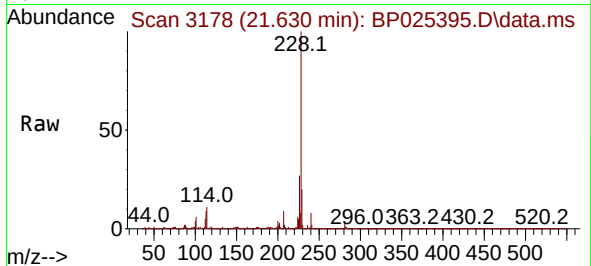




#81
Benzo(a)anthracene
Concen: 19.906 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

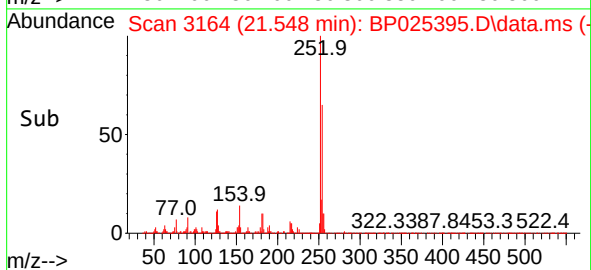
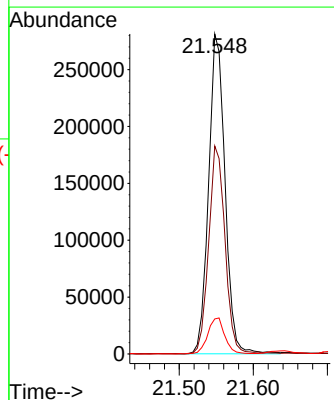
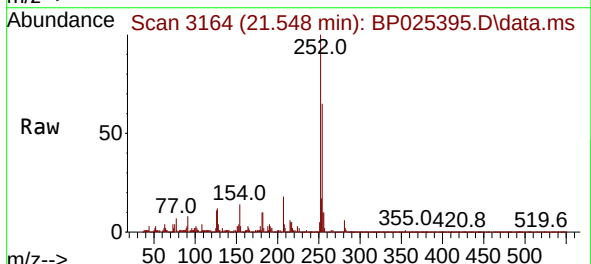
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

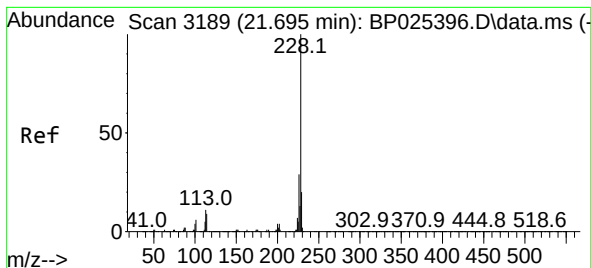
Tgt Ion:228 Resp: 1118590
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.9 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 20.399 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 432075
Ion Ratio Lower Upper
252 100
254 65.0 51.8 77.6
126 10.9 9.1 13.7





#83

Chrysene

Concen: 20.216 ng

RT: 21.707 min Scan# 3189

Delta R.T. 0.012 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

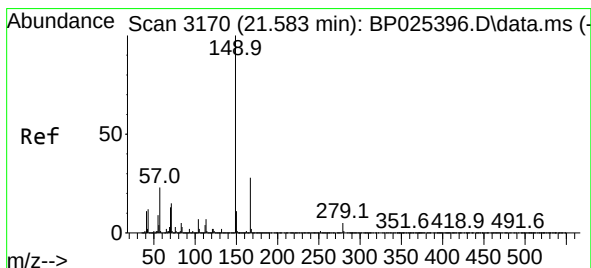
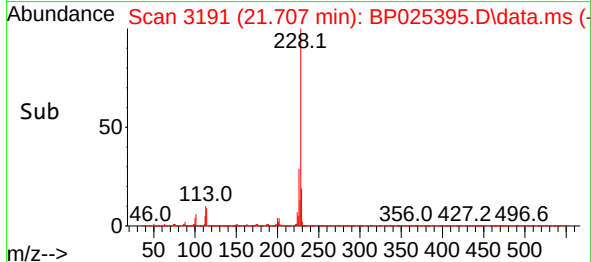
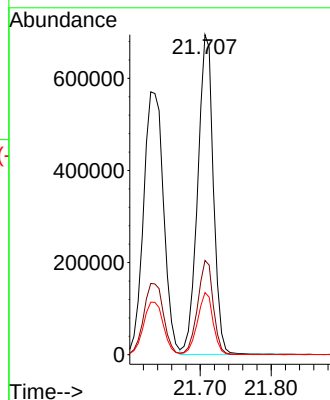
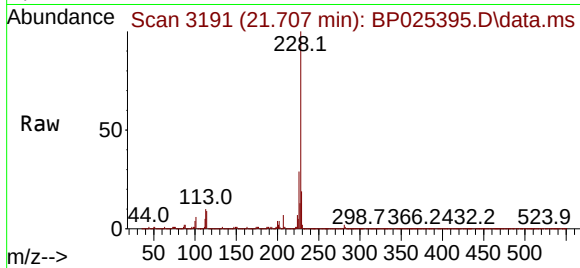
Tgt Ion:228 Resp: 1063898

Ion Ratio Lower Upper

228 100

226 29.4 23.2 34.8

229 19.4 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.155 ng

RT: 21.577 min Scan# 3169

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

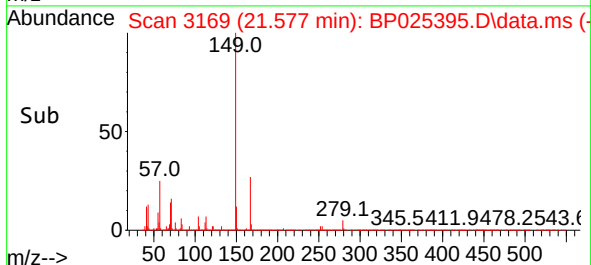
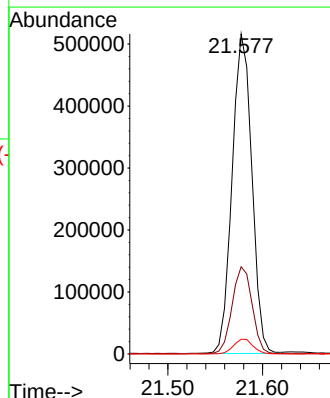
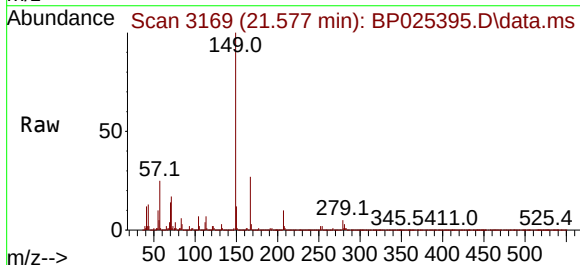
Tgt Ion:149 Resp: 744704

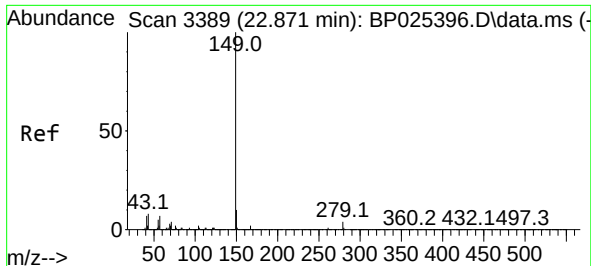
Ion Ratio Lower Upper

149 100

167 27.3 22.1 33.1

279 4.6 3.8 5.6

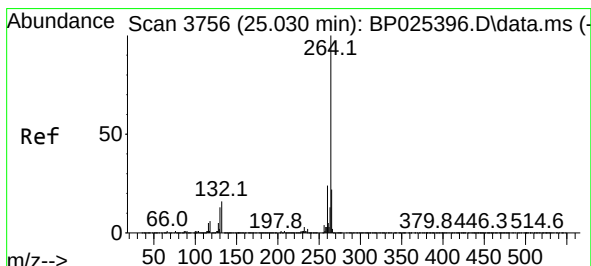
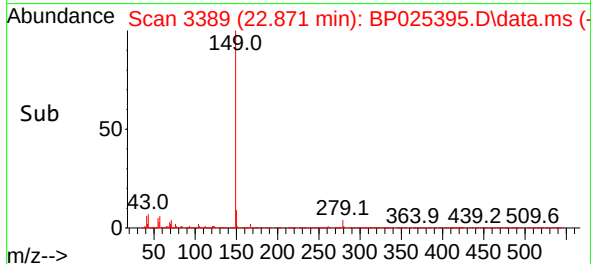
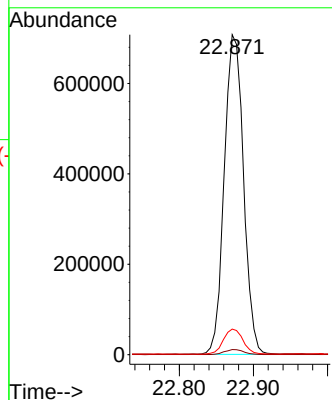
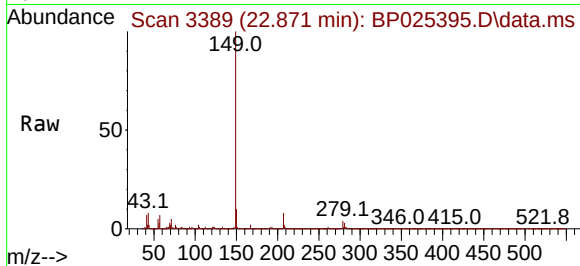




#85
Di-n-octyl phthalate
Concen: 20.091 ng
RT: 22.871 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

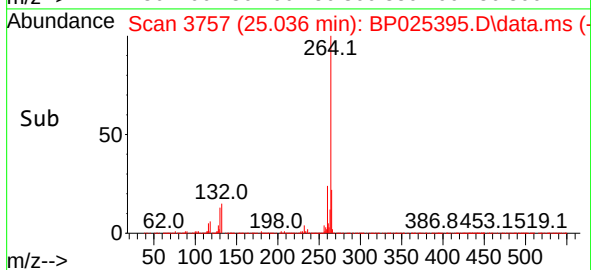
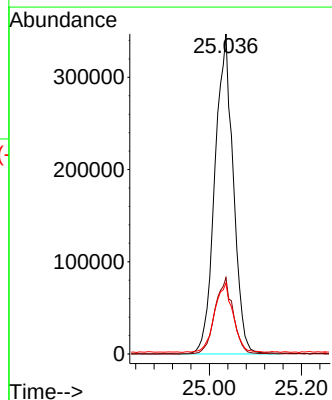
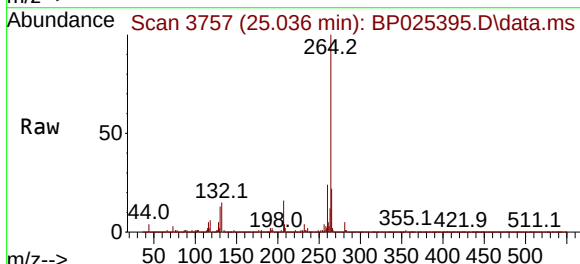
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

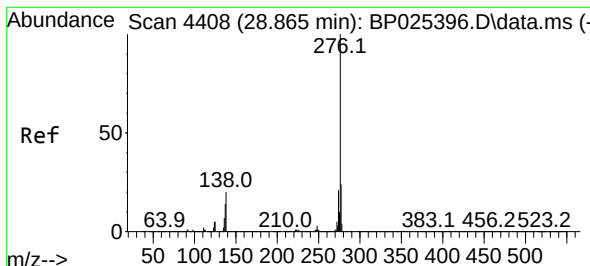
Tgt Ion:149 Resp: 1276798
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:264 Resp: 958651
Ion Ratio Lower Upper
264 100
260 23.8 19.3 28.9
265 22.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.584 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

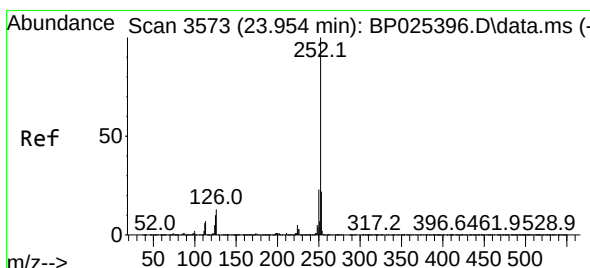
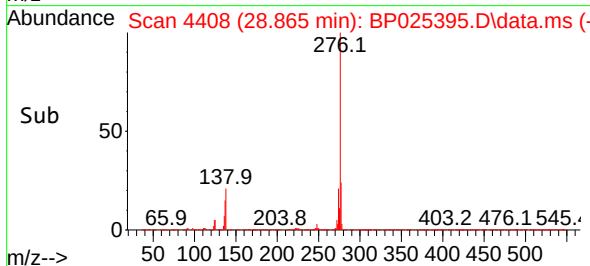
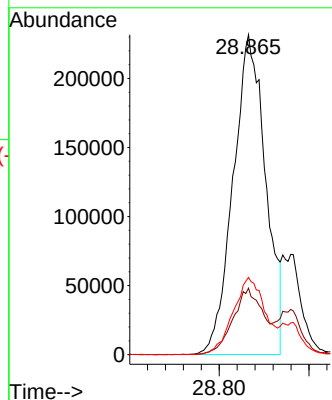
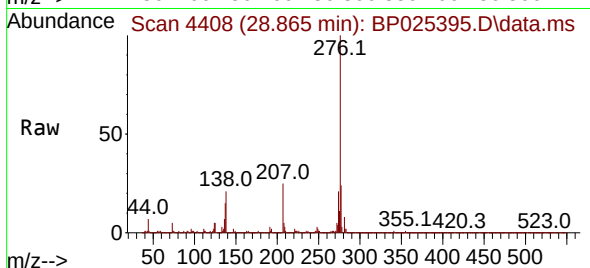
Tgt Ion:276 Resp: 1166289

Ion Ratio Lower Upper

276 100

138 19.2 12.9 19.3

277 23.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 19.855 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025395.D

Acq: 14 Aug 2025 14:38

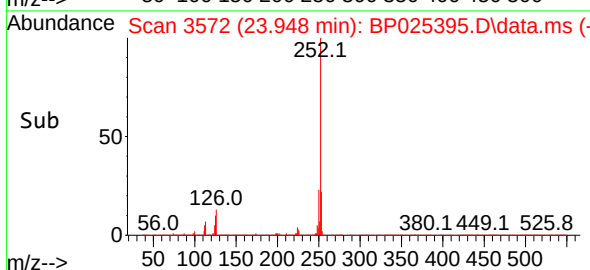
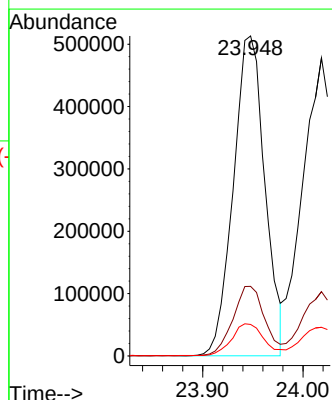
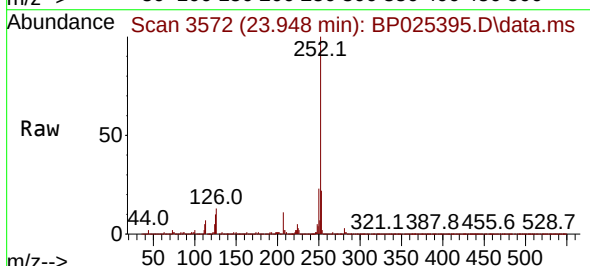
Tgt Ion:252 Resp: 1122408

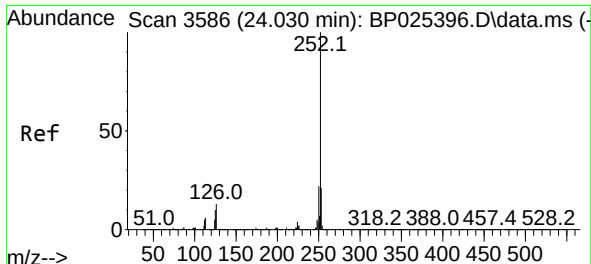
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 9.9 7.9 11.9

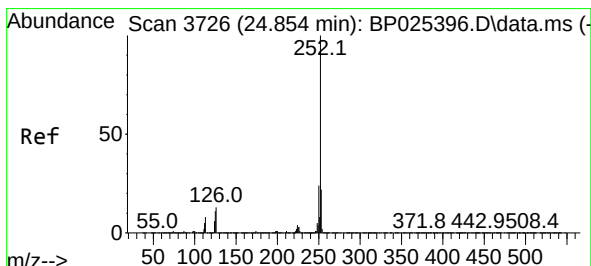
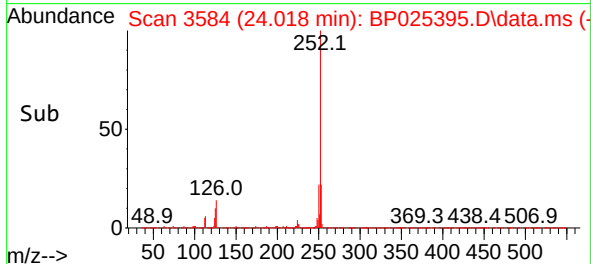
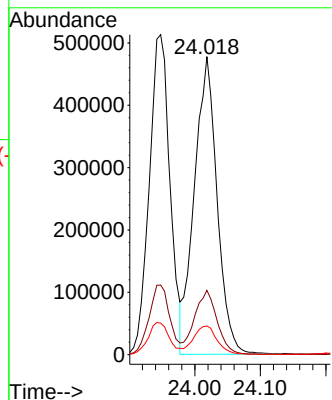
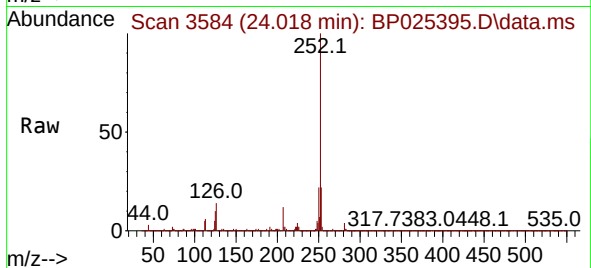




#89
Benzo(k)fluoranthene
Concen: 20.336 ng
RT: 24.018 min Scan# 3584
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

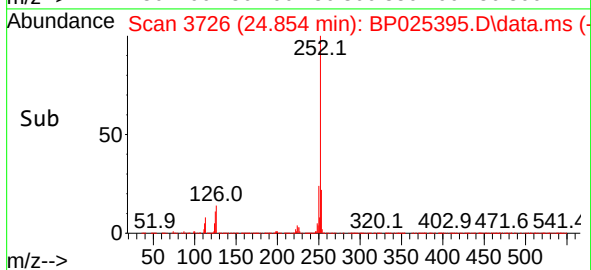
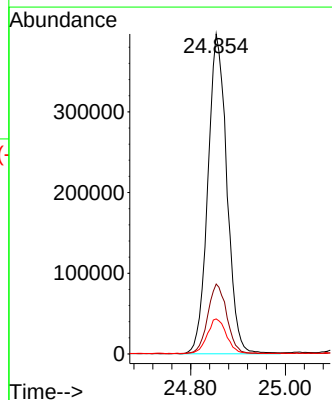
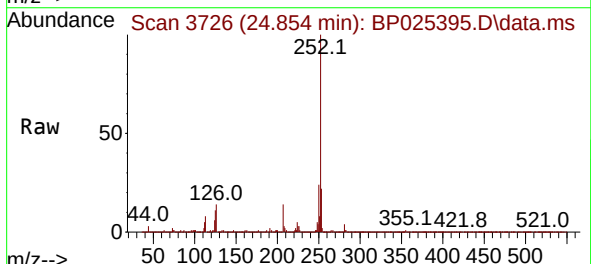
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

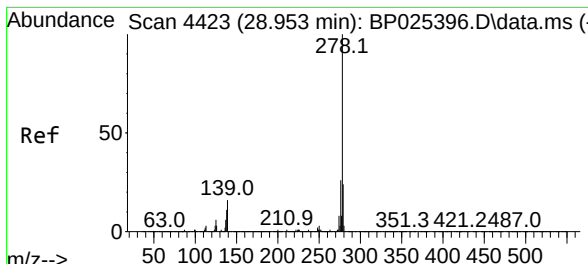
Tgt Ion:252 Resp: 1150366
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 9.6 7.8 11.6



#90
Benzo(a)pyrene
Concen: 20.041 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 1102804
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.9 8.7 13.1



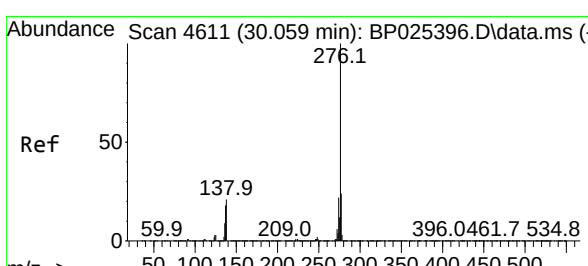
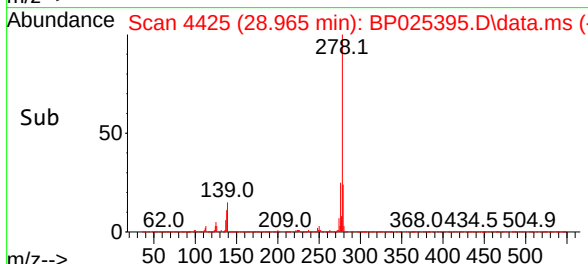
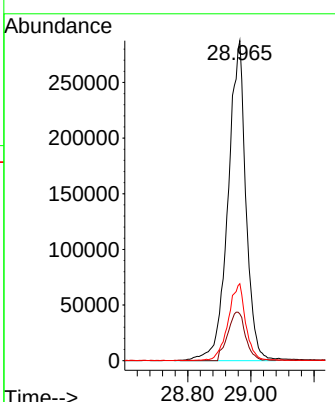
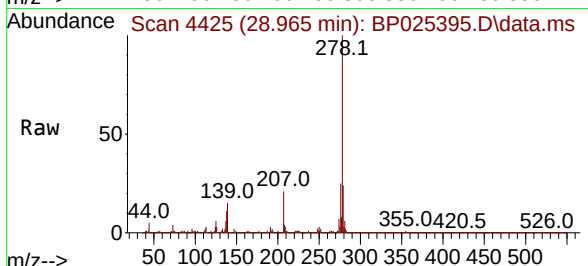


#91
 Dibenzo(a,h)anthracene
 Concen: 19.672 ng
 RT: 28.965 min Scan# 4425
 Delta R.T. 0.012 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

Tgt Ion: 278 Resp: 1130209

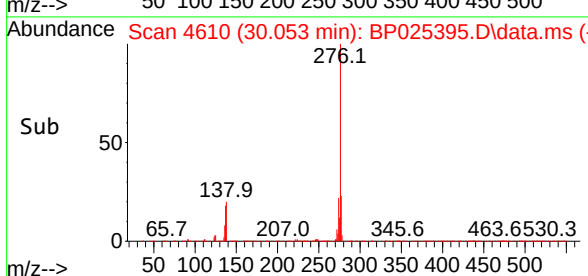
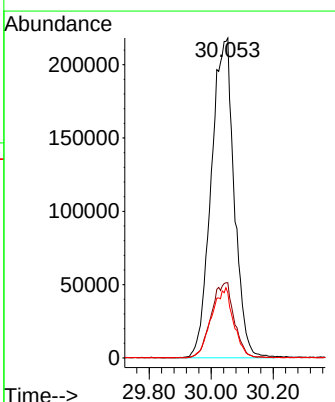
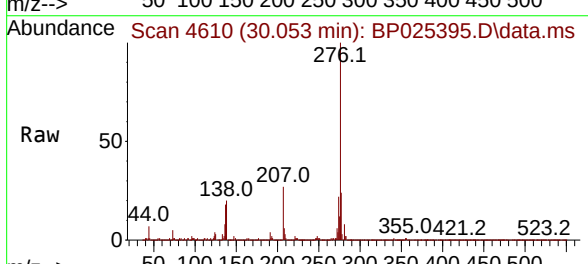
Ion	Ratio	Lower	Upper
278	100		
139	14.6	13.0	19.4
279	24.1	19.4	29.2



#92
 Benzo(g,h,i)perylene
 Concen: 19.840 ng
 RT: 30.053 min Scan# 4610
 Delta R.T. -0.006 min
 Lab File: BP025395.D
 Acq: 14 Aug 2025 14:38

Tgt Ion: 276 Resp: 1120307

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	20.4	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025396.D
 Acq On : 14 Aug 2025 15:19
 Operator : CG/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 14 17:55:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	157704	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	663553	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	441110	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	884529	20.000	ng	0.00
76) Chrysene-d12	21.648	240	899207	20.000	ng	0.00
86) Perylene-d12	25.030	264	1022138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	733191	77.209	ng	0.00
7) Phenol-d6	6.966	99	954285	78.381	ng	0.00
23) Nitrobenzene-d5	8.937	82	1015557	77.420	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	463783	78.112	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2456787	76.118	ng	0.00
79) Terphenyl-d14	19.919	244	3760236	76.508	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.337	88	140326	37.726	ng	100
3) Pyridine	3.731	79	384936	37.809	ng	100
4) n-Nitrosodimethylamine	3.637	42	161267	38.421	ng	100
6) Aniline	7.125	93	637156	38.842	ng	100
8) 2-Chlorophenol	7.366	128	414233	38.655	ng	100
9) Benzaldehyde	6.943	77	430704	50.493	ng	100
10) Phenol	6.996	94	496755	38.884	ng	100
11) bis(2-Chloroethyl)ether	7.219	93	385335	38.698	ng	100
12) 1,3-Dichlorobenzene	7.684	146	455200	38.523	ng	100
13) 1,4-Dichlorobenzene	7.831	146	462800	38.319	ng	100
14) 1,2-Dichlorobenzene	8.143	146	451306	38.602	ng	100
15) Benzyl Alcohol	8.025	79	376323	38.901	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.313	45	510991	38.308	ng	100
17) 2-Methylphenol	8.225	107	349313	39.369	ng	100
18) Hexachloroethane	8.866	117	171906	38.712	ng	100
19) n-Nitroso-di-n-propyla...	8.590	70	312773	38.737	ng	100
20) 3+4-Methylphenols	8.549	107	481148	39.121	ng	100
22) Acetophenone	8.601	105	644124	38.708	ng	100
24) Nitrobenzene	8.972	77	457175	38.997	ng	100
25) Isophorone	9.501	82	893987	38.510	ng	100
26) 2-Nitrophenol	9.678	139	239675	39.837	ng	100
27) 2,4-Dimethylphenol	9.743	122	408572	39.489	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	540282	38.502	ng	100
29) 2,4-Dichlorophenol	10.213	162	405233	39.427	ng	100
30) 1,2,4-Trichlorobenzene	10.425	180	434105	38.529	ng	100
31) Naphthalene	10.613	128	1326839	38.472	ng	100
32) Benzoic acid	9.872	122	301281	39.537	ng	100
33) 4-Chloroaniline	10.713	127	599466	39.350	ng	100
34) Hexachlorobutadiene	10.901	225	271549	38.700	ng	100
35) Caprolactam	11.495	113	145175	38.520	ng	100
36) 4-Chloro-3-methylphenol	11.837	107	459473	38.959	ng	100
37) 2-Methylnaphthalene	12.219	142	865427	38.559	ng	100
38) 1-Methylnaphthalene	12.437	142	909865	38.120	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	494141	38.787	ng	100
41) Hexachlorocyclopentadiene	12.572	237	307015	39.896	ng	100
43) 2,4,6-Trichlorophenol	12.825	196	337157	39.201	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025396.D
 Acq On : 14 Aug 2025 15:19
 Operator : CG/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Quant Time: Aug 14 17:55:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

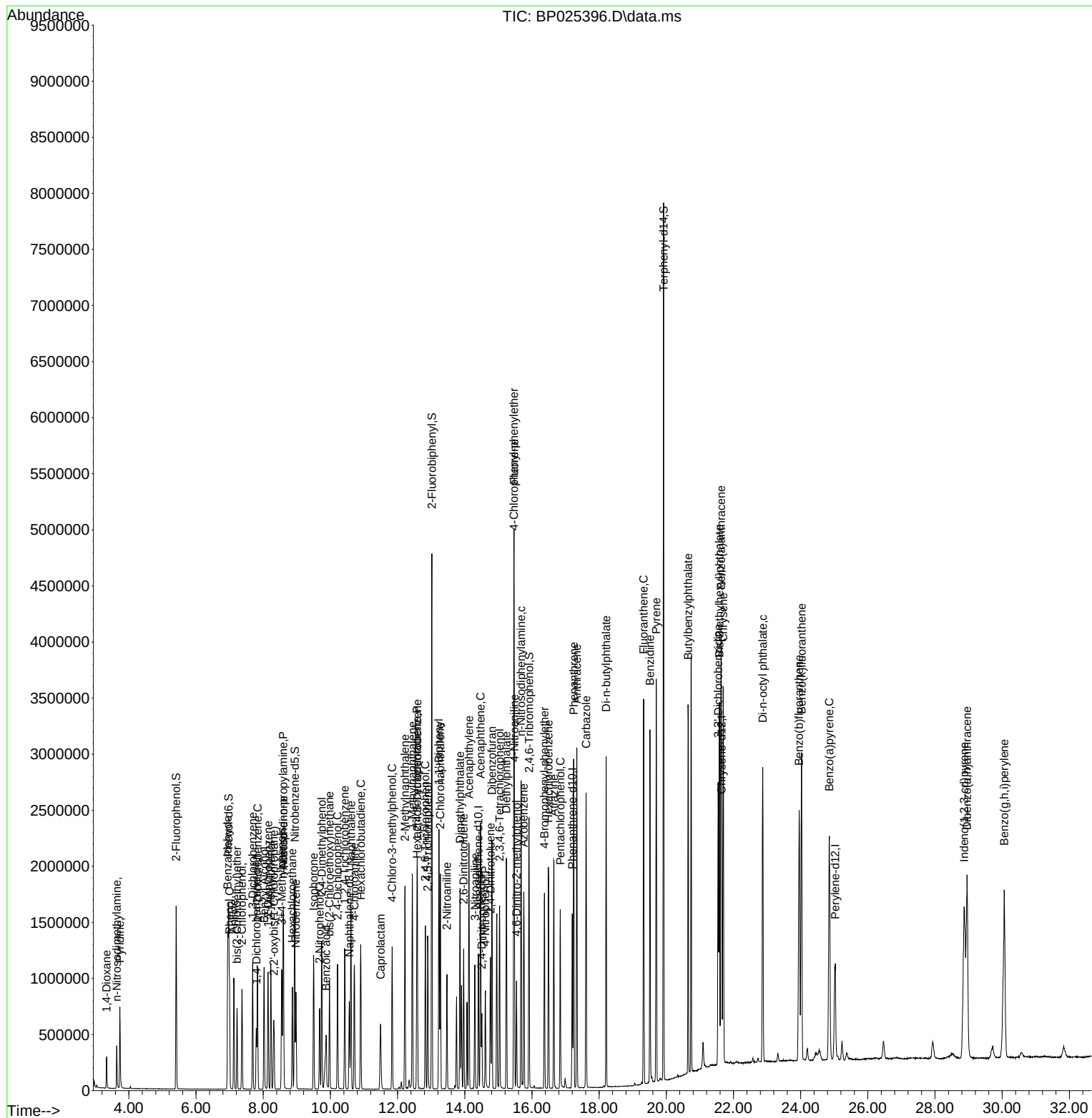
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	373880	39.664	ng	100
46) 1,1'-Biphenyl	13.231	154	1242247	38.777	ng	100
47) 2-Chloronaphthalene	13.272	162	970903	38.930	ng	100
48) 2-Nitroaniline	13.472	65	291341	40.092	ng	100
49) Acenaphthylene	14.125	152	1593636	38.617	ng	100
50) Dimethylphthalate	13.860	163	1237666	38.316	ng	100
51) 2,6-Dinitrotoluene	13.966	165	272750	40.061	ng	100
52) Acenaphthene	14.466	154	918569	37.921	ng	100
53) 3-Nitroaniline	14.301	138	301417	39.349	ng	100
54) 2,4-Dinitrophenol	14.507	184	144100	39.633	ng	100
55) Dibenzofuran	14.807	168	1479220	38.624	ng	100
56) 4-Nitrophenol	14.613	139	246542	39.168	ng	100
57) 2,4-Dinitrotoluene	14.766	165	386189	39.757	ng	100
58) Fluorene	15.466	166	1151825	38.115	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	324396	38.975	ng	100
60) Diethylphthalate	15.236	149	1264740	38.533	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	574546	38.228	ng	100
62) 4-Nitroaniline	15.478	138	309740	39.443	ng	100
63) Azobenzene	15.754	77	1091004	38.820	ng	100
65) 4,6-Dinitro-2-methylph...	15.542	198	217153	39.384	ng	100
66) n-Nitrosodiphenylamine	15.678	169	1045170	38.749	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	376864	38.739	ng	100
68) Hexachlorobenzene	16.489	284	428361	37.986	ng	100
69) Atrazine	16.654	200	386256	38.238	ng	100
70) Pentachlorophenol	16.842	266	278412	39.110	ng	100
71) Phenanthrene	17.242	178	1839191	37.851	ng	100
72) Anthracene	17.336	178	1908189	38.456	ng	100
73) Carbazole	17.613	167	1781890	38.125	ng	100
74) Di-n-butylphthalate	18.207	149	2201043	38.277	ng	100
75) Fluoranthene	19.324	202	2172758	37.488	ng	100
77) Benzidine	19.513	184	1738926	56.665	ng	100
78) Pyrene	19.701	202	2290461	39.189	ng	100
80) Butylbenzylphthalate	20.648	149	1041998	39.338	ng	100
81) Benzo(a)anthracene	21.630	228	2280774	38.460	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	877708	39.266	ng	100
83) Chrysene	21.695	228	2125866	38.278	ng	100
84) Bis(2-ethylhexyl)phtha...	21.583	149	1493804	38.310	ng	100
85) Di-n-octyl phthalate	22.871	149	2597558	38.730	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	2490737	33.216	ng	93
88) Benzo(b)fluoranthene	23.954	252	2318198	38.462	ng	100
89) Benzo(k)fluoranthene	24.030	252	2309091	38.285	ng	100
90) Benzo(a)pyrene	24.854	252	2265862	38.620	ng	100
91) Dibenzo(a,h)anthracene	28.953	278	2363840	38.589	ng	100
92) Benzo(g,h,i)perylene	30.059	276	2327292	38.654	ng	100

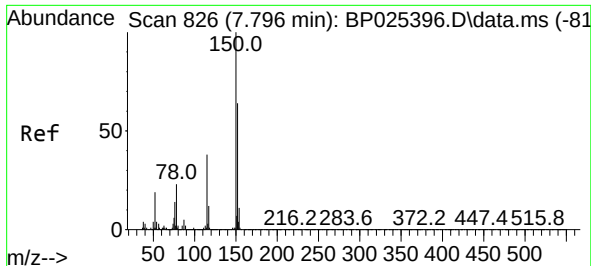
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Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTIDICC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

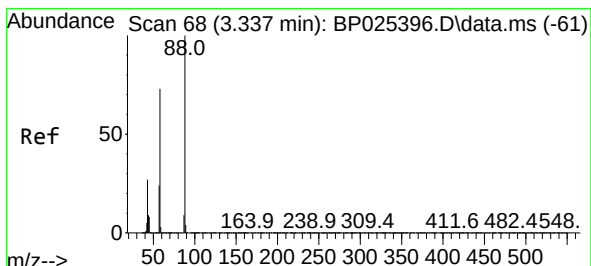
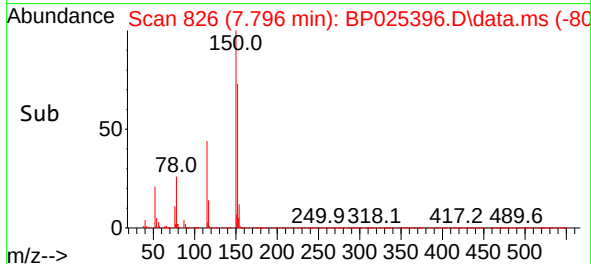
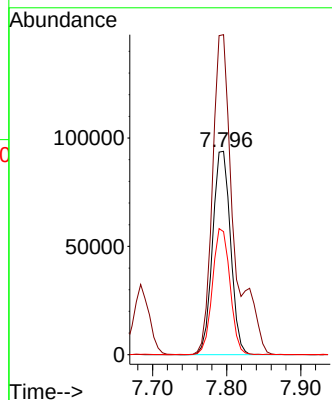
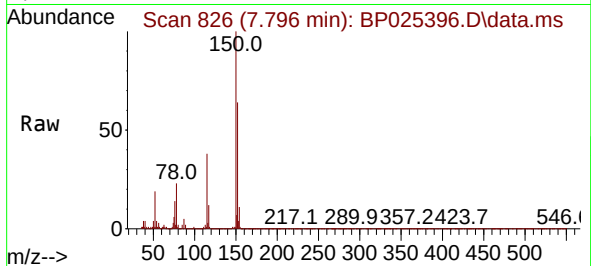




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.796 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

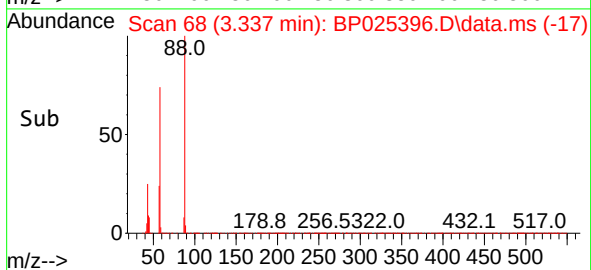
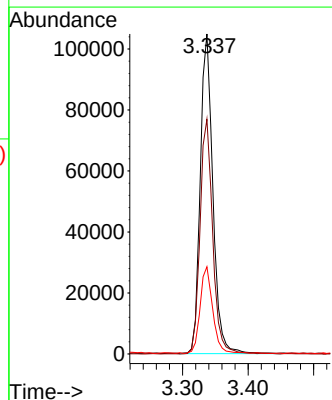
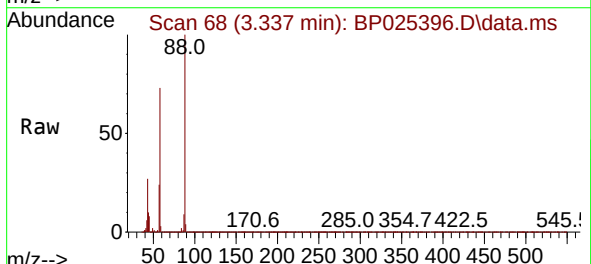
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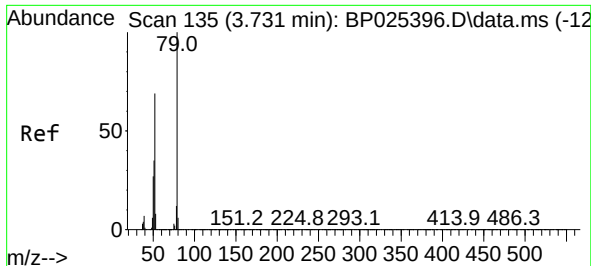
Tgt Ion:152 Resp: 157704
 Ion Ratio Lower Upper
 152 100
 150 157.4 125.9 188.9
 115 60.6 48.5 72.7



#2
 1,4-Dioxane
 Concen: 37.726 ng
 RT: 3.337 min Scan# 68
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion: 88 Resp: 140326
 Ion Ratio Lower Upper
 88 100
 58 74.0 59.2 88.8
 43 27.1 21.7 32.5

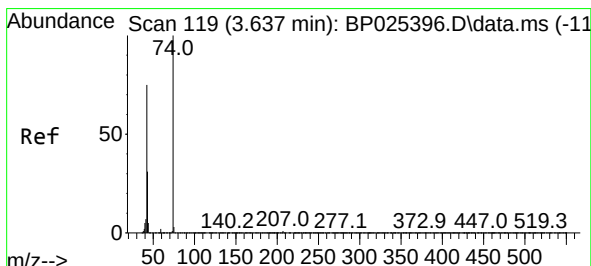
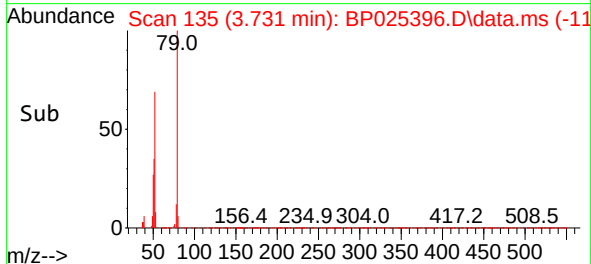
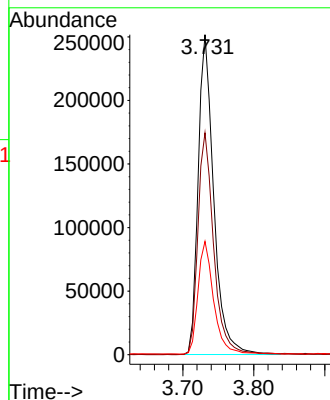
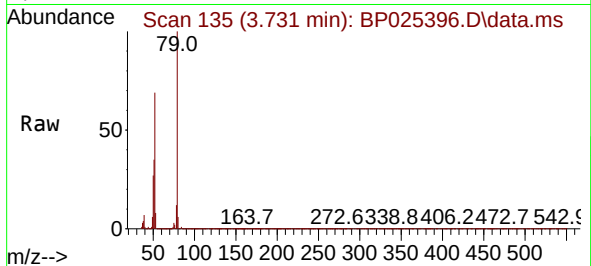




#3
Pyridine
Concen: 37.809 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

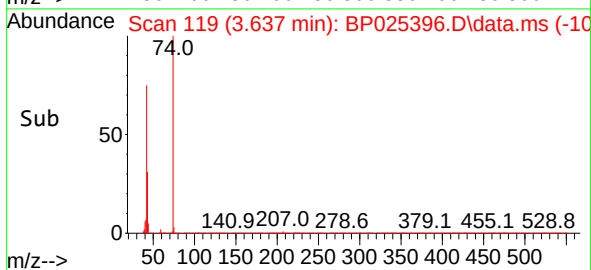
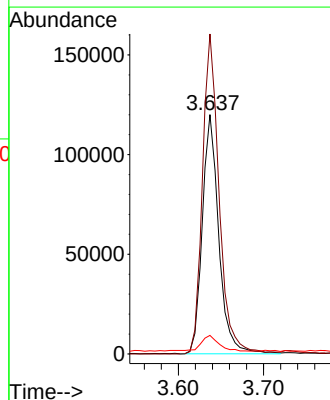
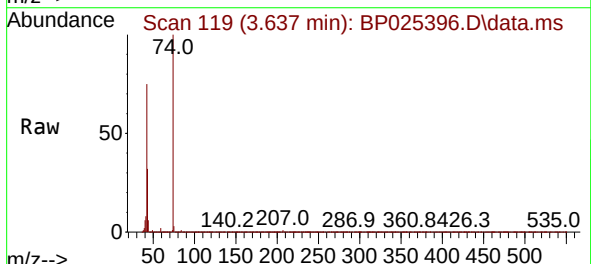
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

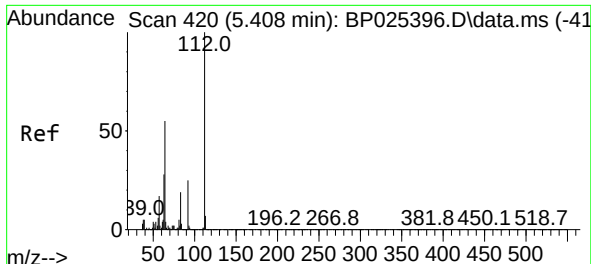
Tgt Ion:	79	Resp:	384936
Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.4	28.3	42.5



#4
n-Nitrosodimethylamine
Concen: 38.421 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	42	Resp:	161267
Ion	Ratio	Lower	Upper
42	100		
74	133.7	107.0	160.4
44	7.8	6.2	9.4

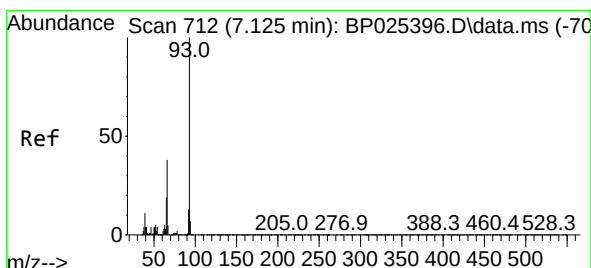
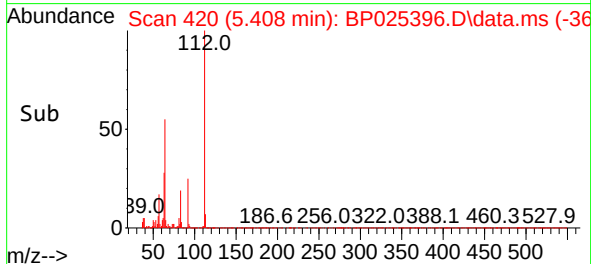
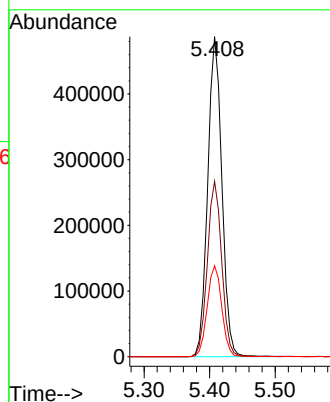
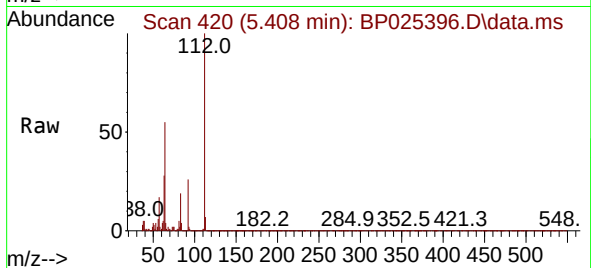




#5
2-Fluorophenol
Concen: 77.209 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

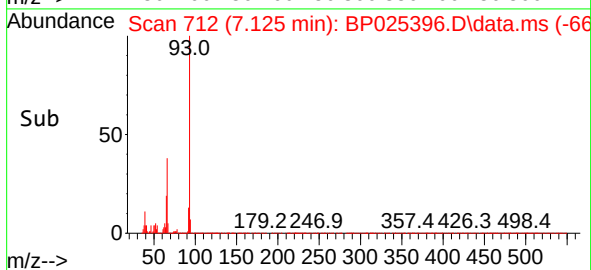
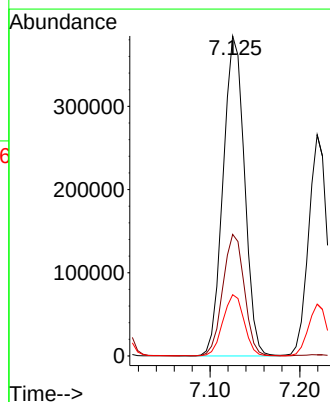
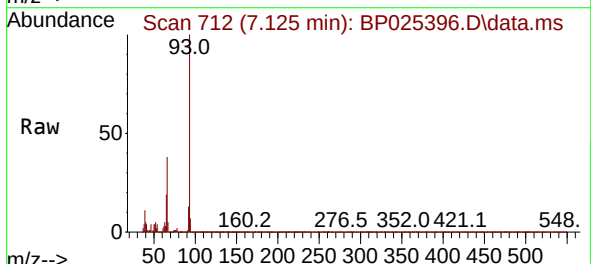
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

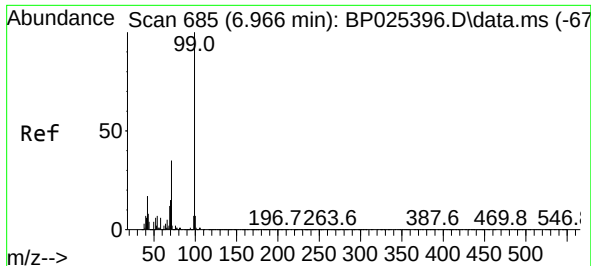
Tgt Ion:112 Resp: 733191
Ion Ratio Lower Upper
112 100
64 54.8 43.8 65.8
63 28.4 22.7 34.1



#6
Aniline
Concen: 38.842 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 637156
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 19.1 15.3 22.9

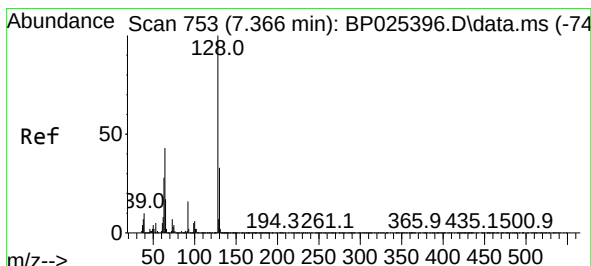
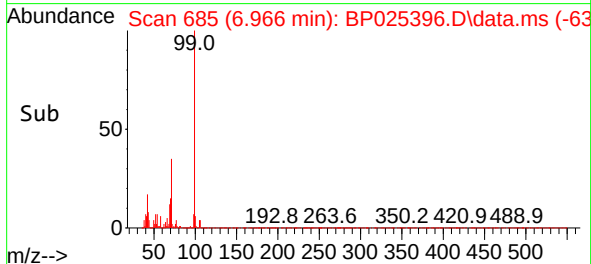
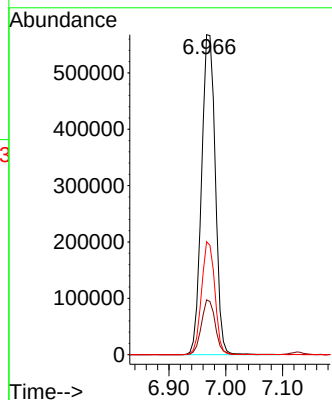
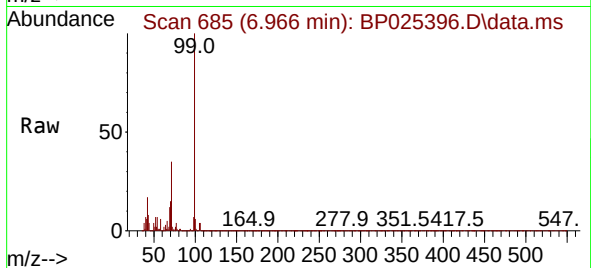




#7
Phenol-d6
Concen: 78.381 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

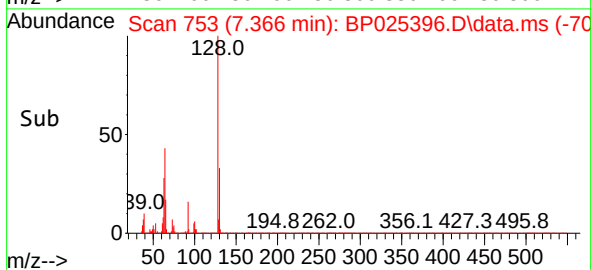
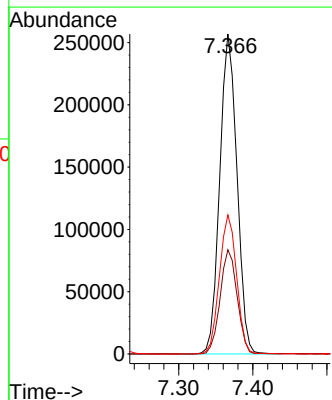
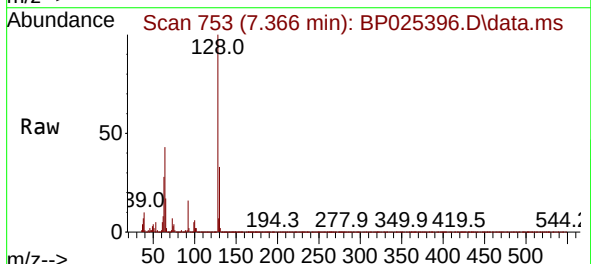
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

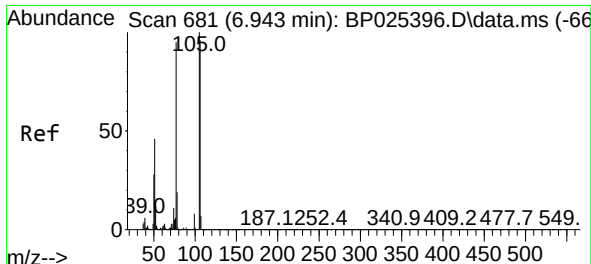
Tgt Ion: 99 Resp: 954285
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 35.3 28.2 42.4



#8
2-Chlorophenol
Concen: 38.655 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 128 Resp: 414233
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 43.4 23.4 63.4

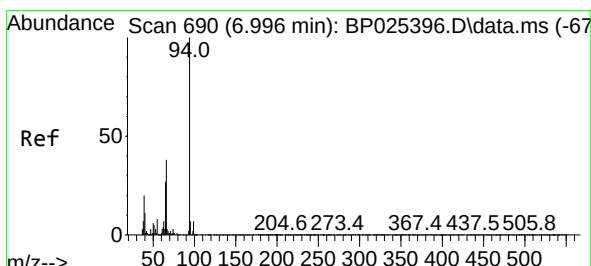
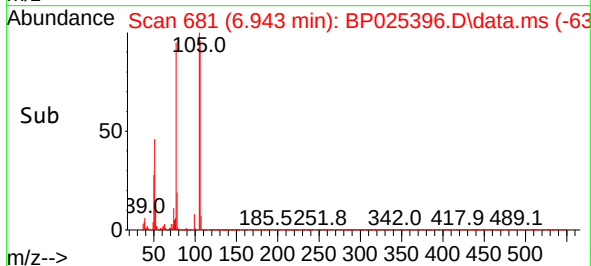
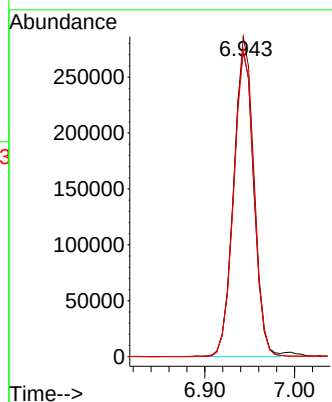
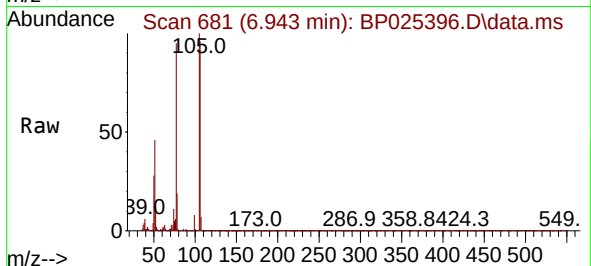




#9
Benzaldehyde
Concen: 50.493 ng
RT: 6.943 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

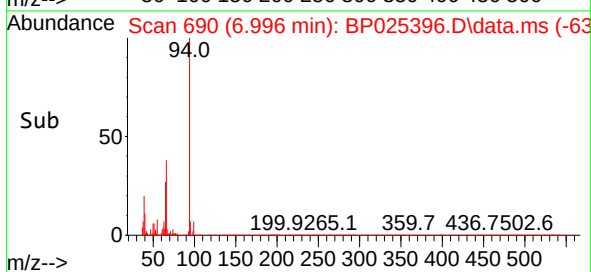
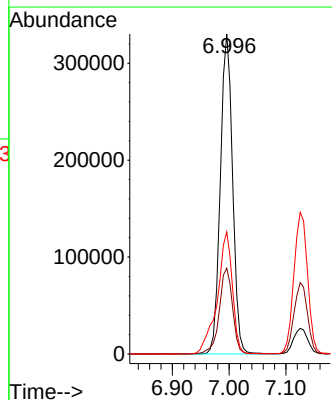
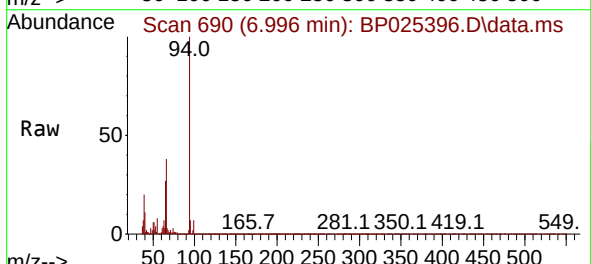
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

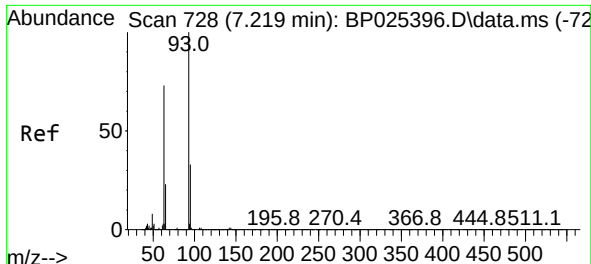
Tgt Ion: 77 Resp: 430704
Ion Ratio Lower Upper
77 100
105 104.8 84.8 124.8
106 100.5 80.5 120.5



#10
Phenol
Concen: 38.884 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 94 Resp: 496755
Ion Ratio Lower Upper
94 100
65 26.8 6.8 46.8
66 38.2 18.2 58.2



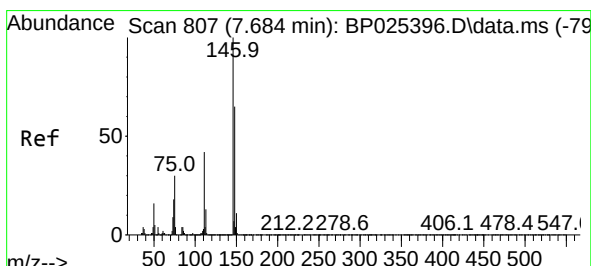
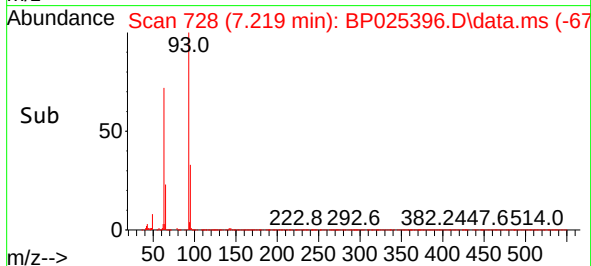
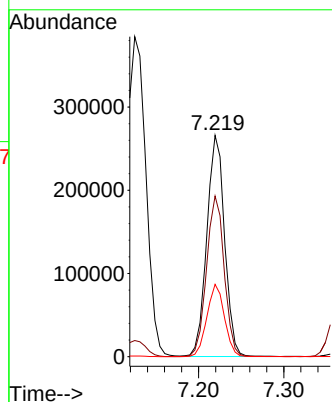
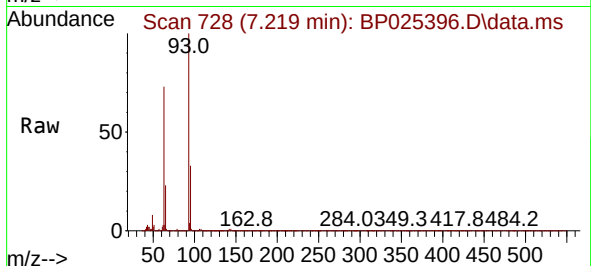


#11
 bis(2-Chloroethyl)ether
 Concen: 38.698 ng
 RT: 7.219 min Scan# 728
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC040

Tgt Ion: 93 Resp: 385335

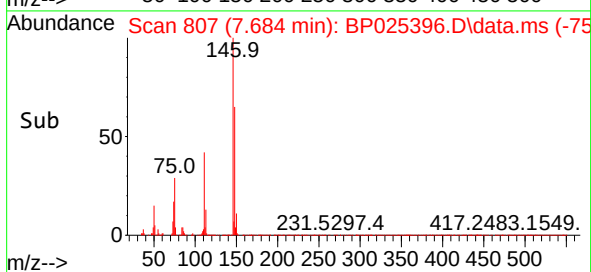
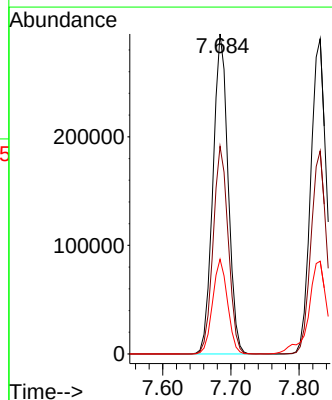
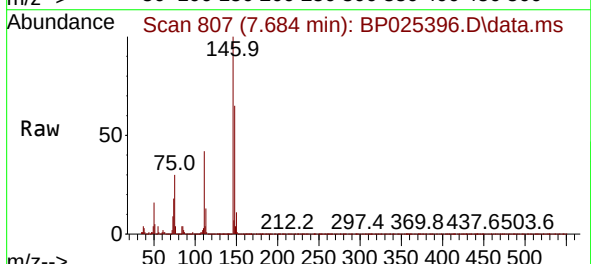
Ion	Ratio	Lower	Upper
93	100		
63	72.6	52.6	92.6
95	32.7	12.7	52.7

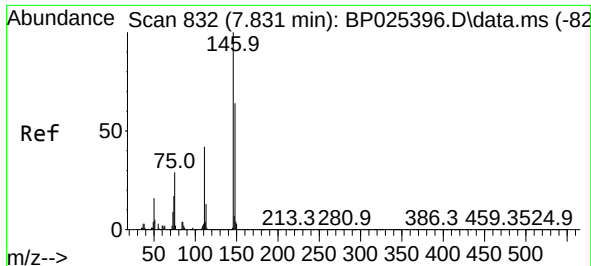


#12
 1,3-Dichlorobenzene
 Concen: 38.523 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion: 146 Resp: 455200

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
75	29.6	23.7	35.5

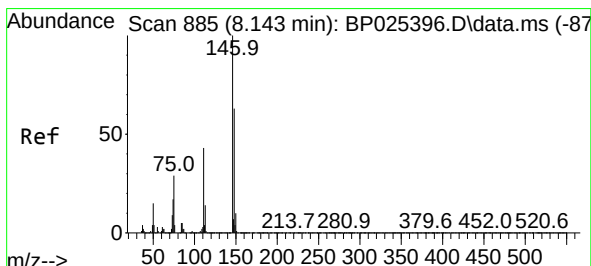
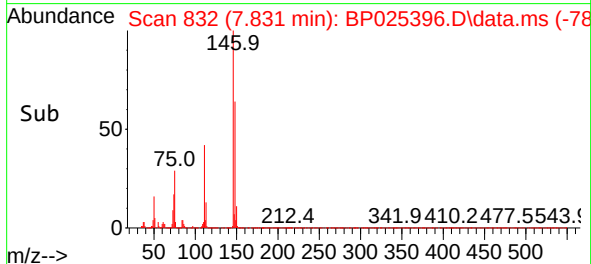
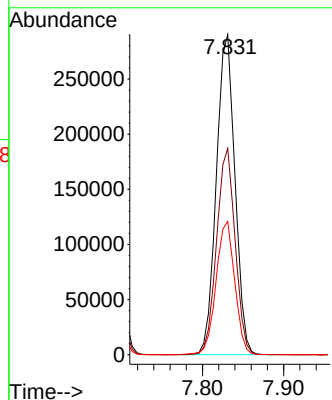
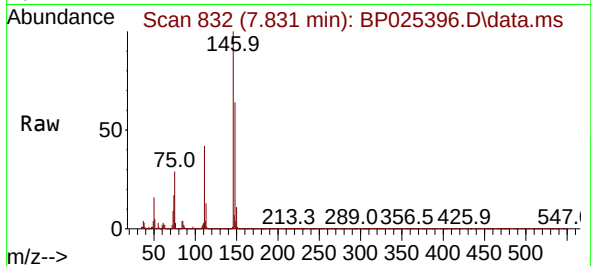




#13
1,4-Dichlorobenzene
Concen: 38.319 ng
RT: 7.831 min Scan# 832
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

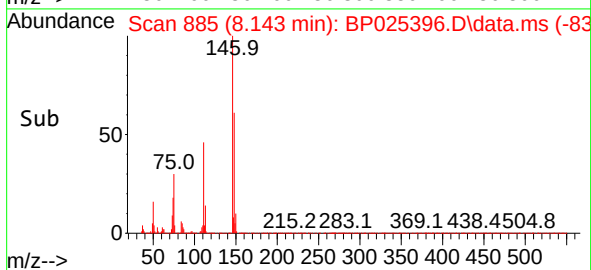
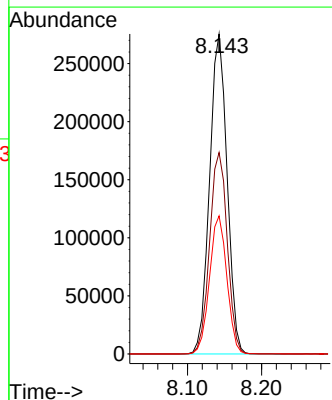
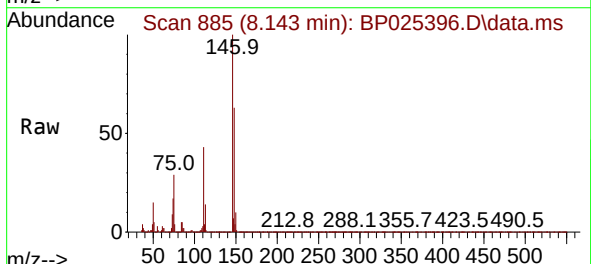
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

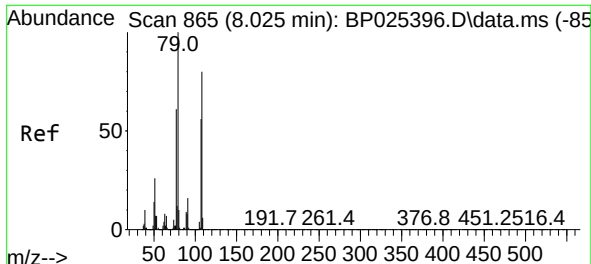
Tgt Ion:146 Resp: 462800
Ion Ratio Lower Upper
146 100
148 64.5 51.6 77.4
111 41.7 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 38.602 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 451306
Ion Ratio Lower Upper
146 100
148 63.0 50.4 75.6
111 43.1 34.5 51.7

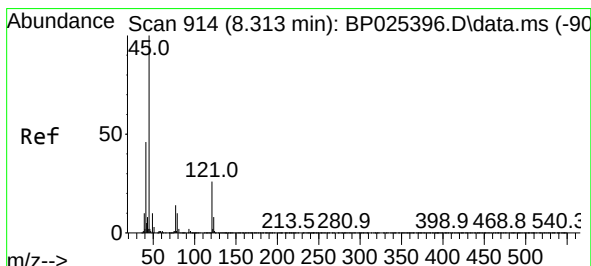
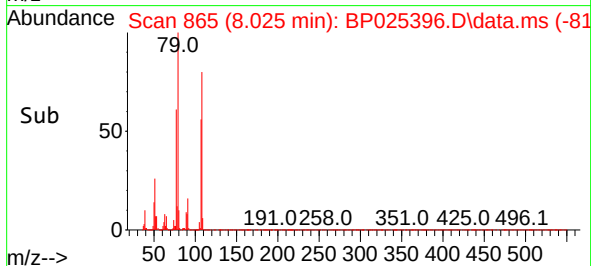
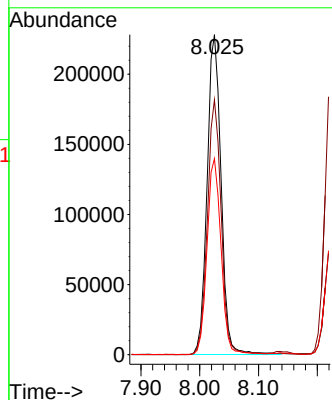
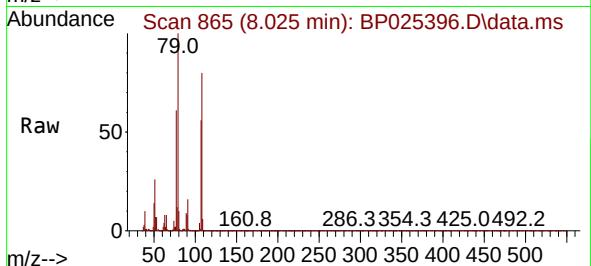




#15
Benzyl Alcohol
Concen: 38.901 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

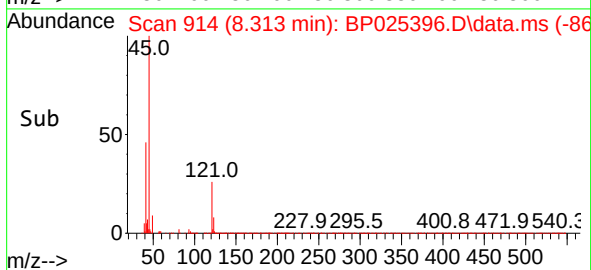
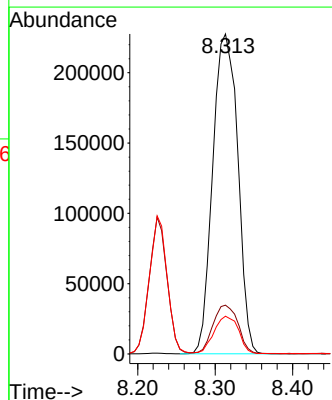
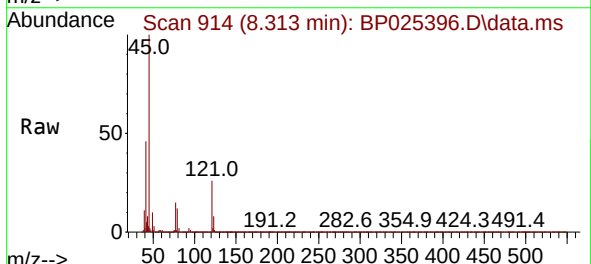
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

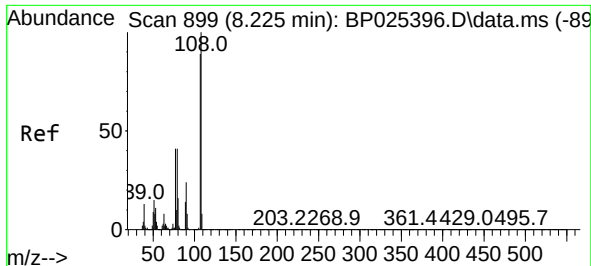
Tgt Ion: 79 Resp: 376323
Ion Ratio Lower Upper
79 100
108 79.7 63.8 95.6
77 61.2 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.308 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 45 Resp: 510991
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.3
79 11.8 0.0 31.8

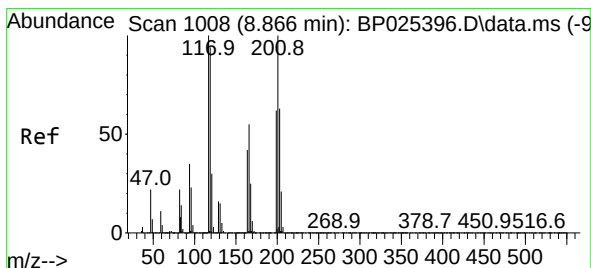
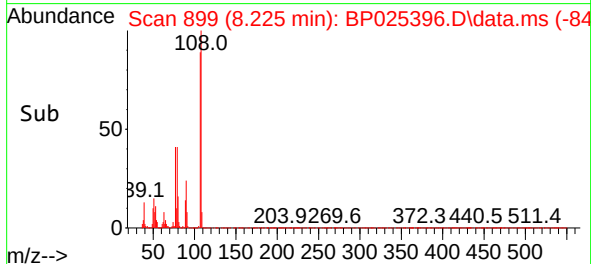
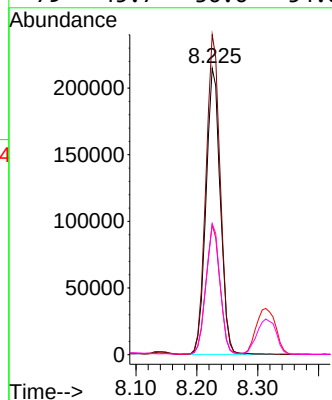
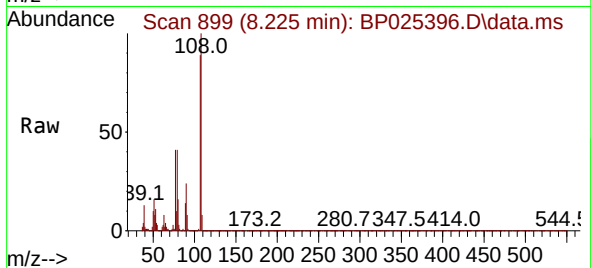




#17
2-Methylphenol
Concen: 39.369 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

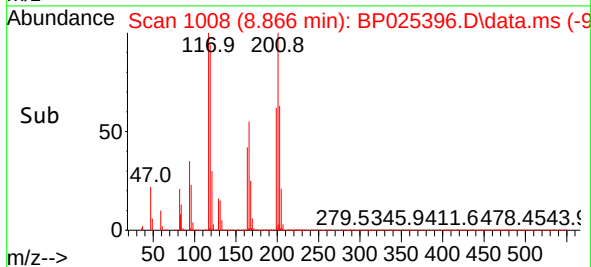
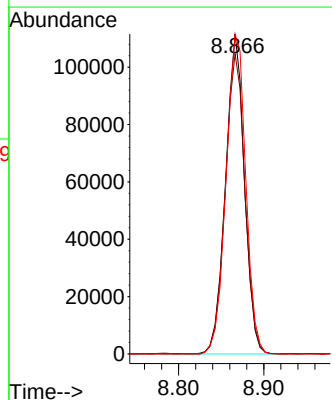
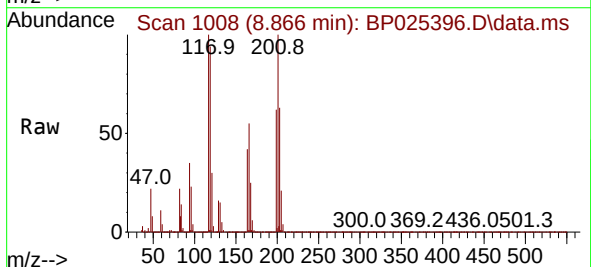
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

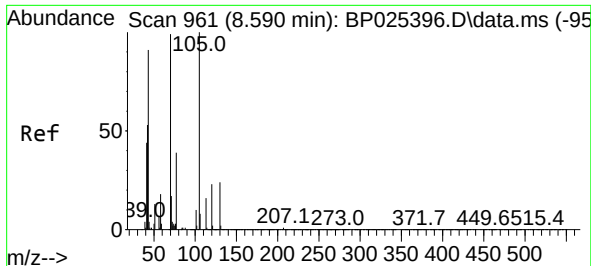
Tgt Ion:	107	Resp:	349313
Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.4	134.0
77	45.4	36.3	54.5
79	45.7	36.6	54.8



#18
Hexachloroethane
Concen: 38.712 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	117	Resp:	171906
Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.1	112.7
201	100.1	80.1	120.1



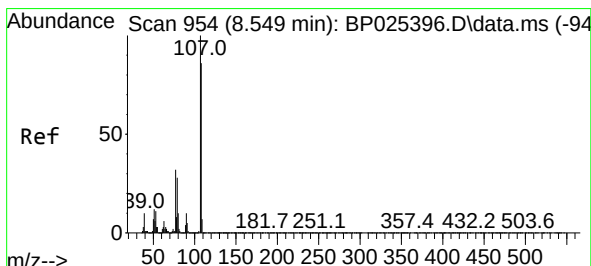
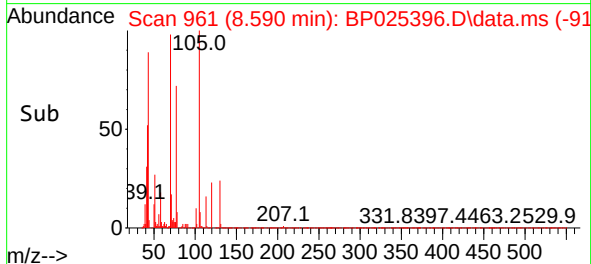
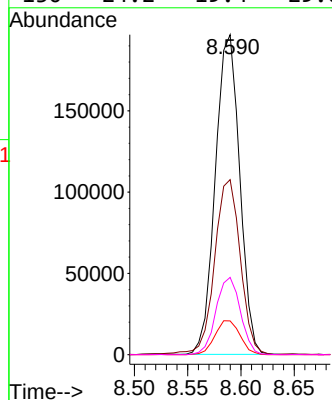
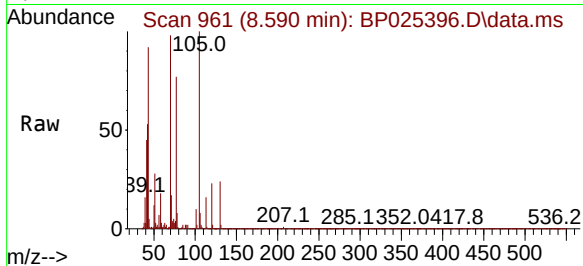


#19
n-Nitroso-di-n-propylamine
Concen: 38.737 ng
RT: 8.590 min Scan# 961
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 312773

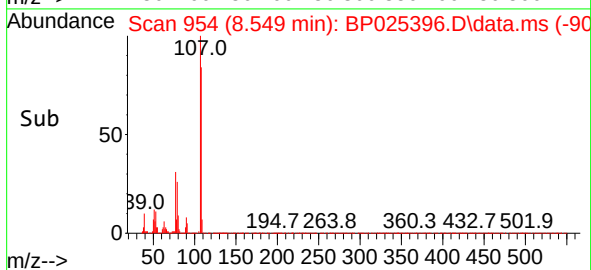
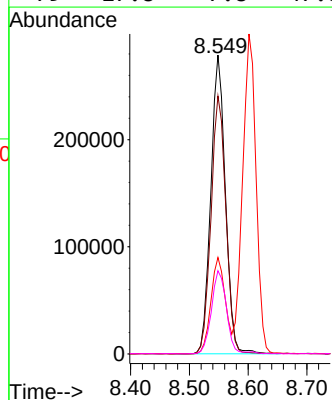
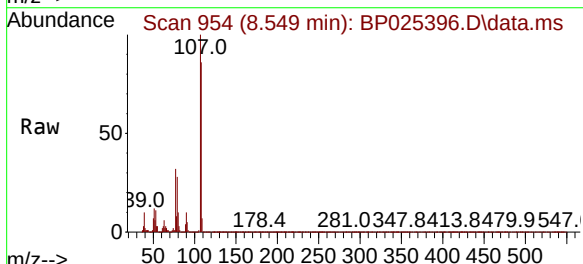
Ion	Ratio	Lower	Upper
70	100		
42	54.7	43.8	65.6
101	10.6	8.5	12.7
130	24.2	19.4	29.0

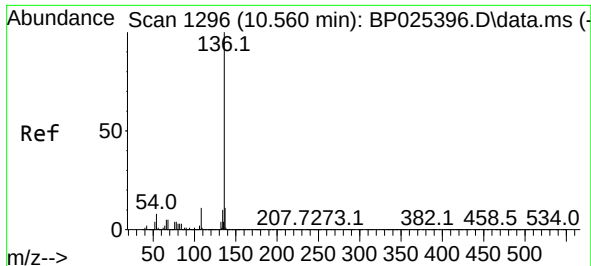


#20
3+4-Methylphenols
Concen: 39.121 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 107 Resp: 481148

Ion	Ratio	Lower	Upper
107	100		
108	86.3	66.3	106.3
77	32.3	12.3	52.3
79	27.8	7.8	47.8

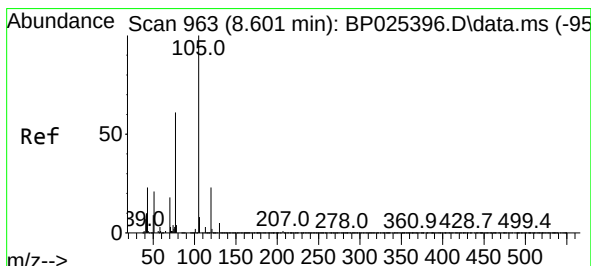
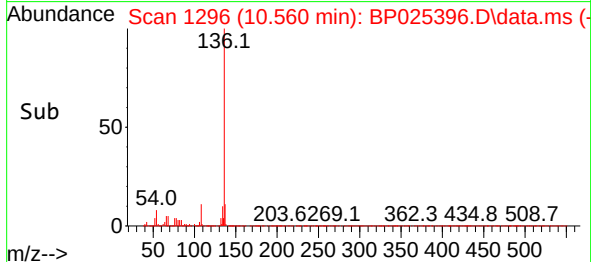
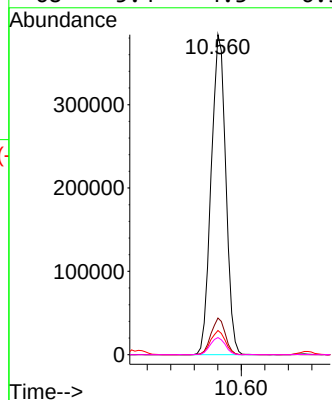
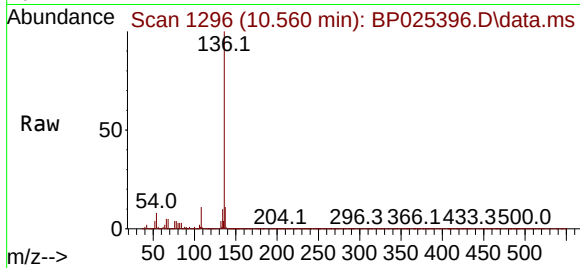




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

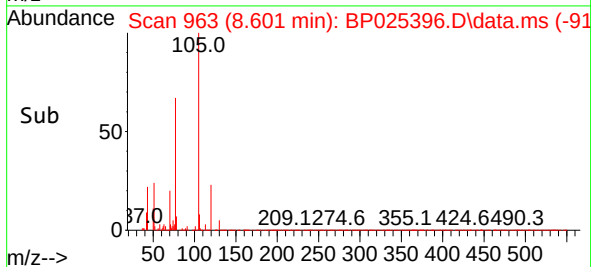
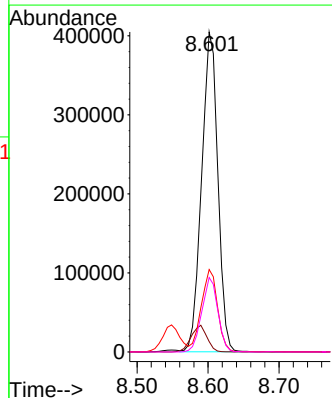
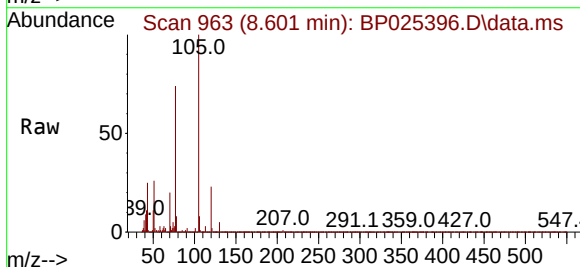
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

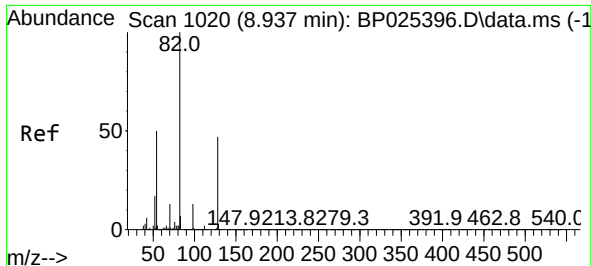
Tgt Ion:	136	Resp:	663553
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	5.4	4.3	6.5



#22
Acetophenone
Concen: 38.708 ng
RT: 8.601 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	105	Resp:	644124
Ion Ratio	Lower	Upper	
105	100		
71	3.3	2.6	4.0
51	25.7	20.6	30.8
120	23.2	18.6	27.8

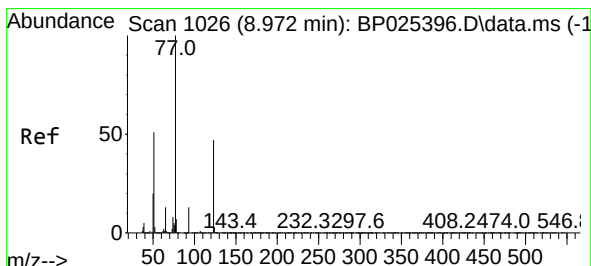
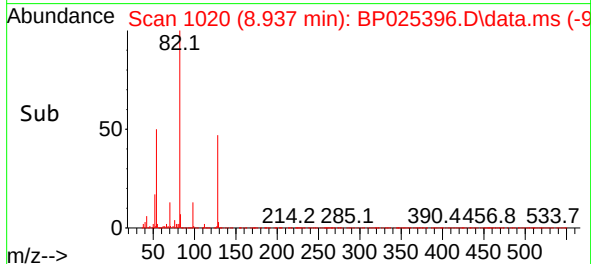
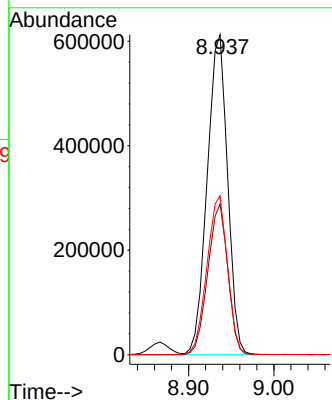
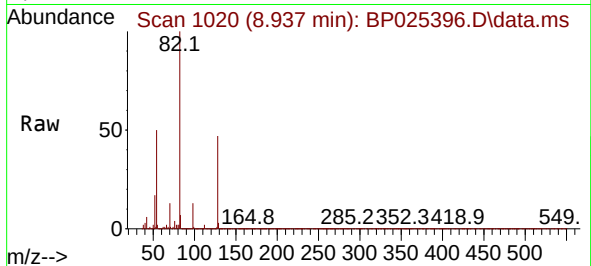




#23
Nitrobenzene-d5
Concen: 77.420 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

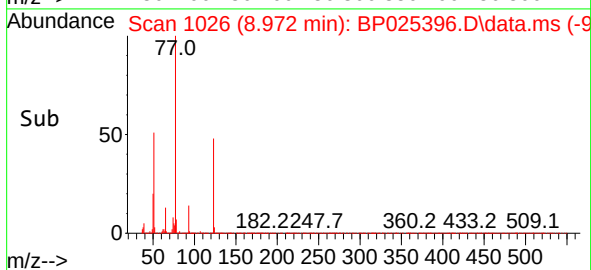
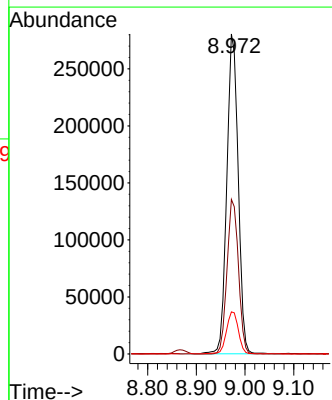
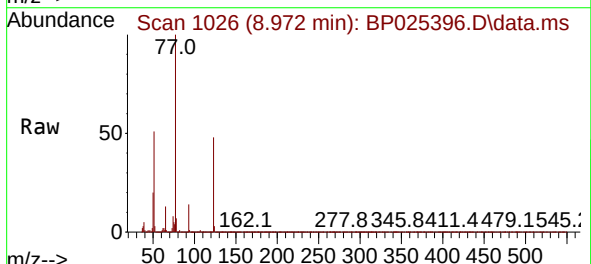
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

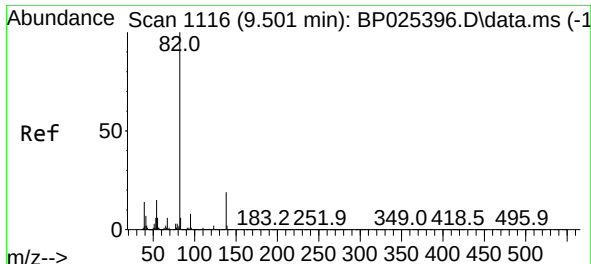
Tgt Ion: 82 Resp: 1015557
Ion Ratio Lower Upper
82 100
128 47.1 37.7 56.5
54 49.7 39.8 59.6



#24
Nitrobenzene
Concen: 38.997 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 77 Resp: 457175
Ion Ratio Lower Upper
77 100
123 48.3 38.6 58.0
65 13.2 10.6 15.8

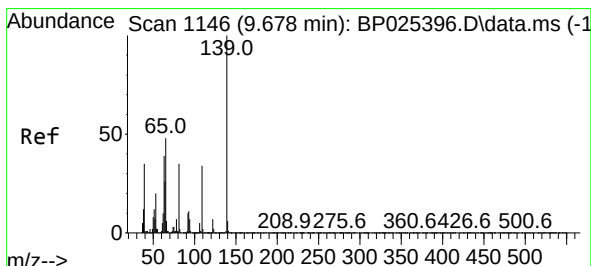
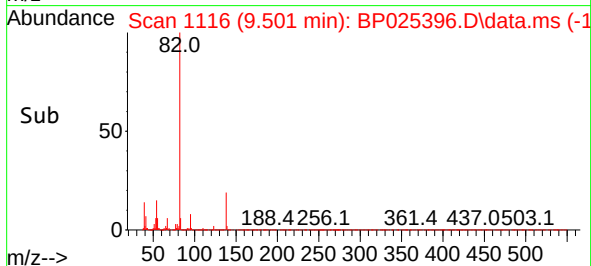
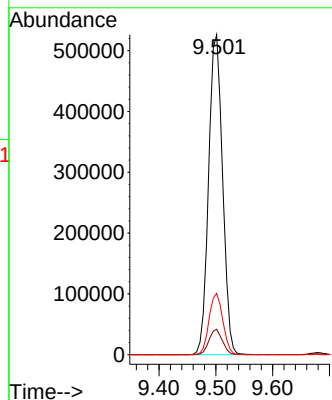
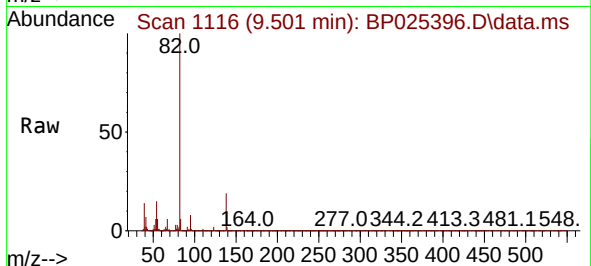




#25
Isophorone
Concen: 38.510 ng
RT: 9.501 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

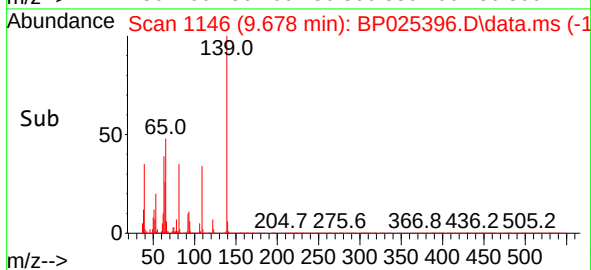
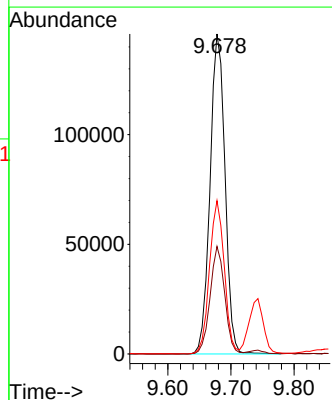
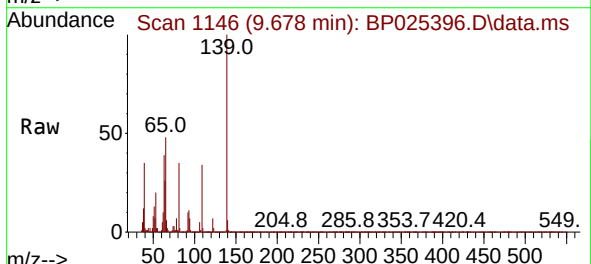
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

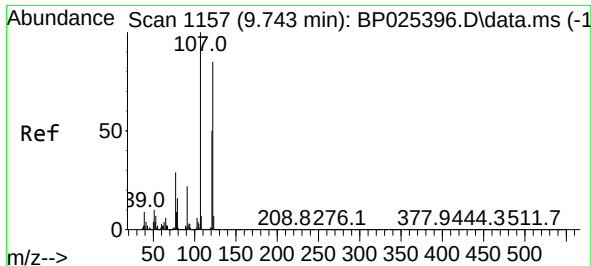
Tgt Ion: 82 Resp: 893987
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 19.2 15.4 23.0



#26
2-Nitrophenol
Concen: 39.837 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 139 Resp: 239675
Ion Ratio Lower Upper
139 100
109 33.6 26.9 40.3
65 47.9 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 39.489 ng

RT: 9.743 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

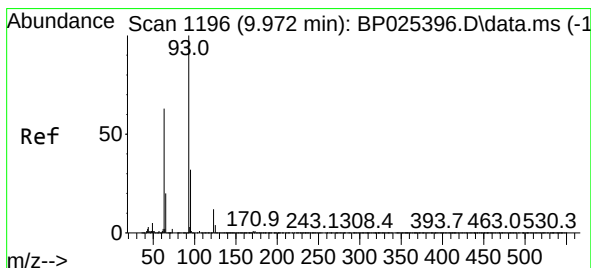
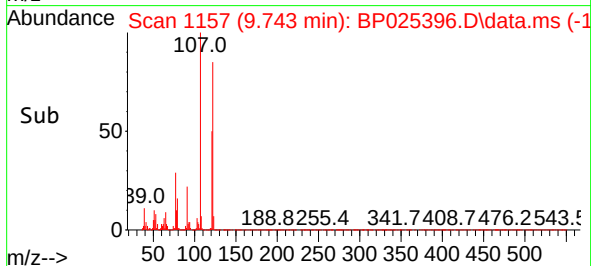
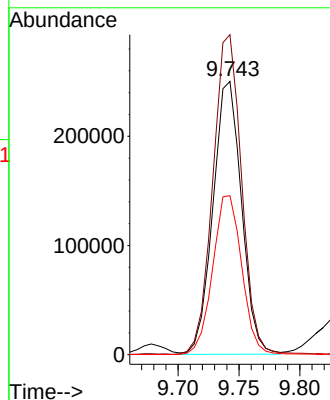
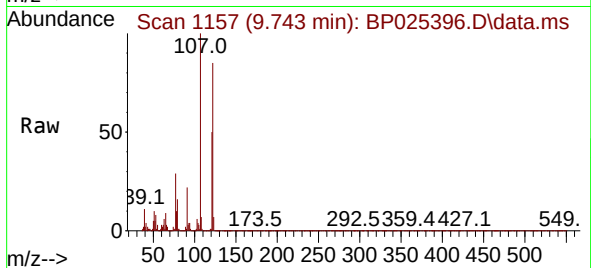
Tgt Ion:122 Resp: 408572

Ion Ratio Lower Upper

122 100

107 117.1 93.7 140.5

121 58.2 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 38.502 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

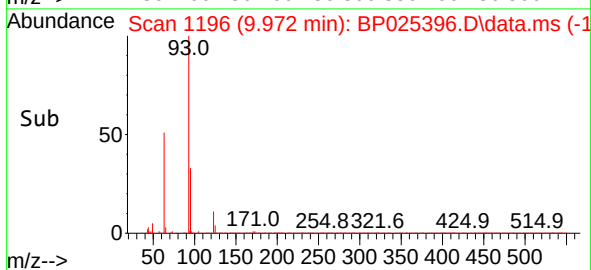
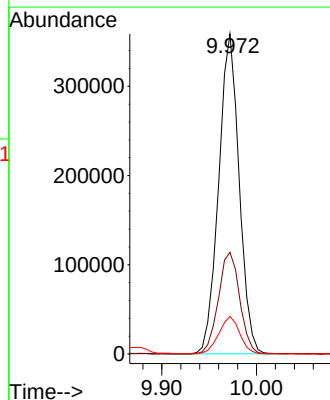
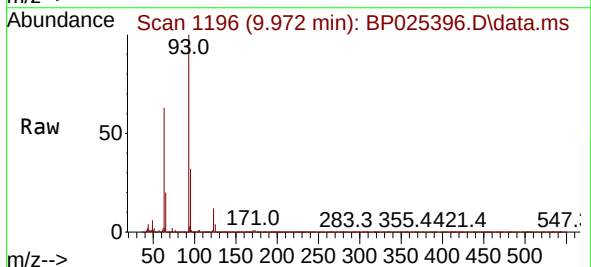
Tgt Ion: 93 Resp: 540282

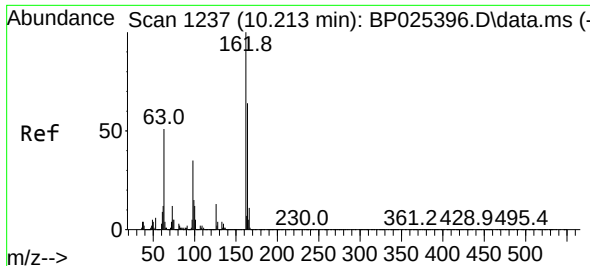
Ion Ratio Lower Upper

93 100

95 31.7 25.4 38.0

123 11.7 9.4 14.0

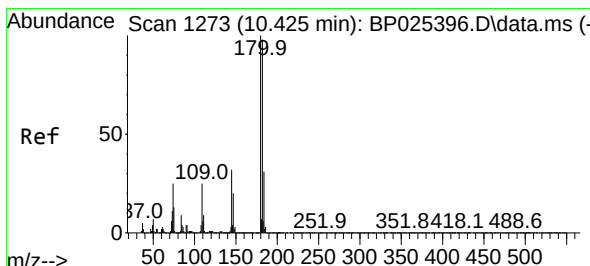
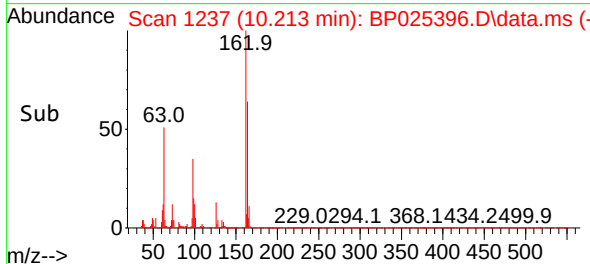
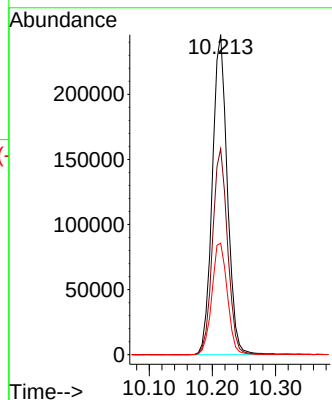
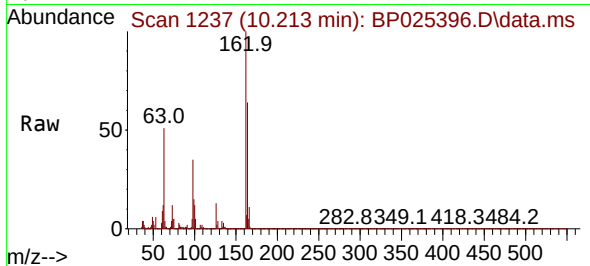




#29
2,4-Dichlorophenol
Concen: 39.427 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

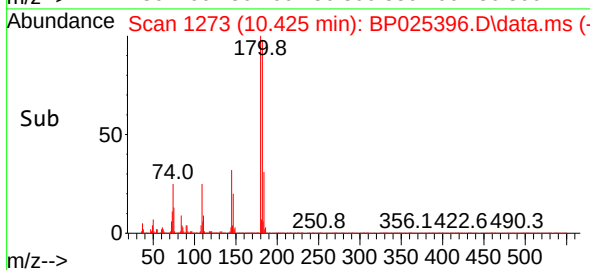
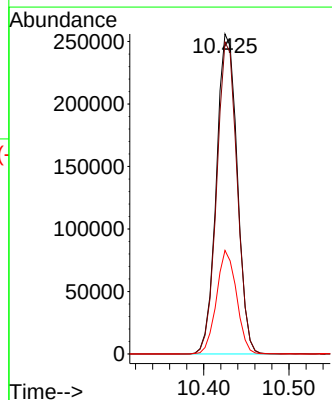
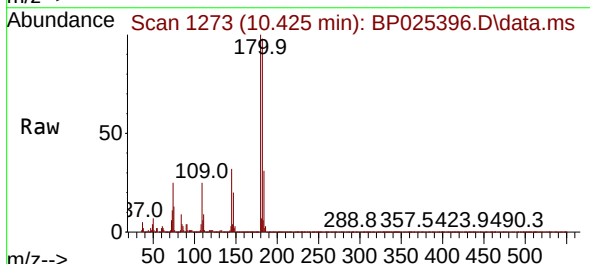
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

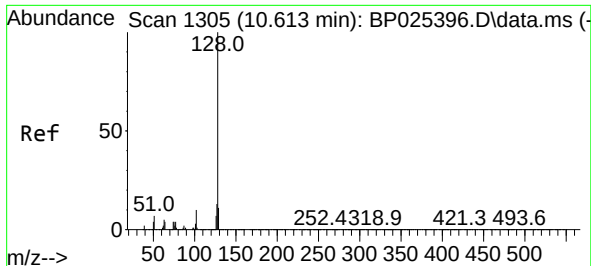
Tgt Ion:162 Resp: 405233
Ion Ratio Lower Upper
162 100
164 64.4 44.4 84.4
98 34.9 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 38.529 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:180 Resp: 434105
Ion Ratio Lower Upper
180 100
182 97.5 78.0 117.0
145 32.4 25.9 38.9

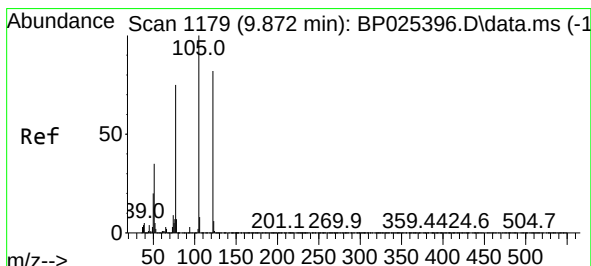
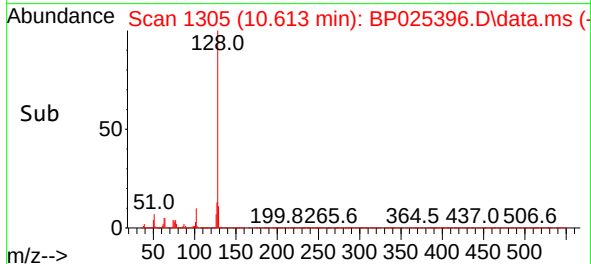
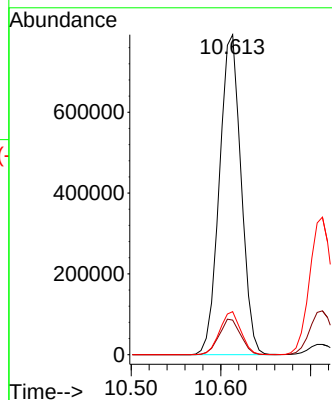
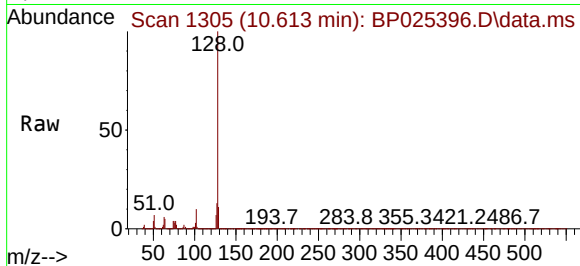




#31
Naphthalene
Concen: 38.472 ng
RT: 10.613 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

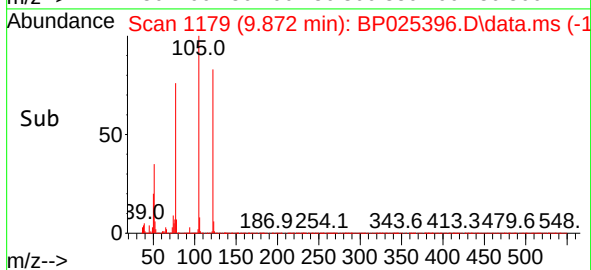
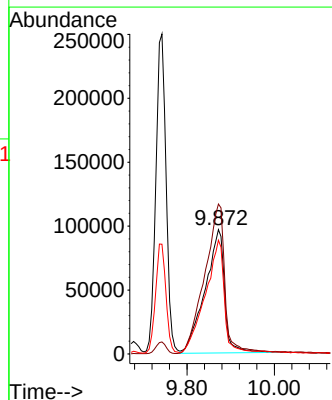
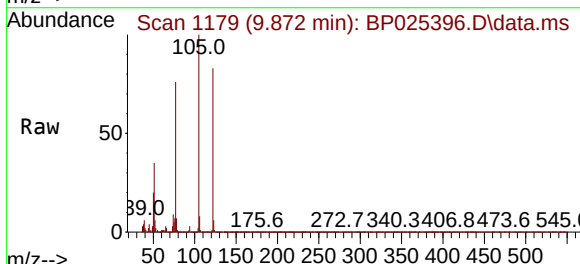
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

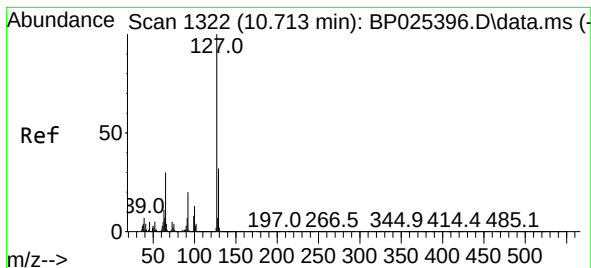
Tgt Ion:128 Resp: 1326839
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 39.537 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:122 Resp: 301281
Ion Ratio Lower Upper
122 100
105 120.6 100.6 140.6
77 91.5 71.5 111.5

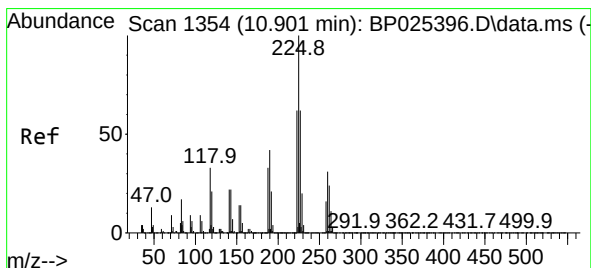
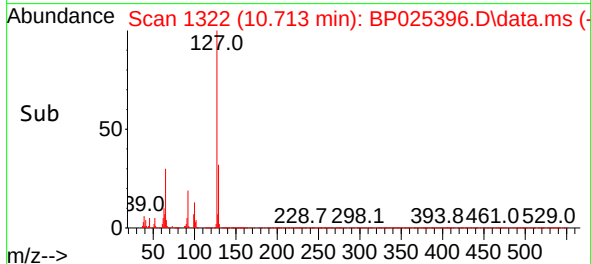
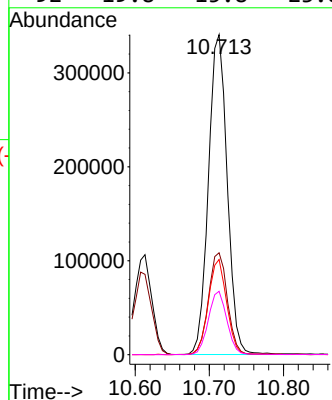
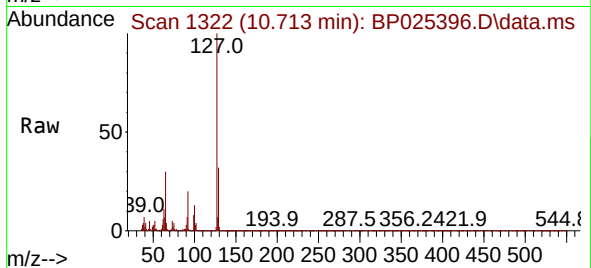




#33
4-Chloroaniline
Concen: 39.350 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

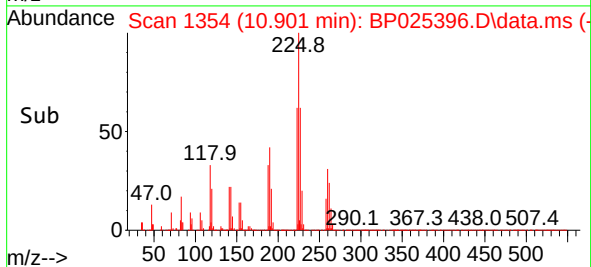
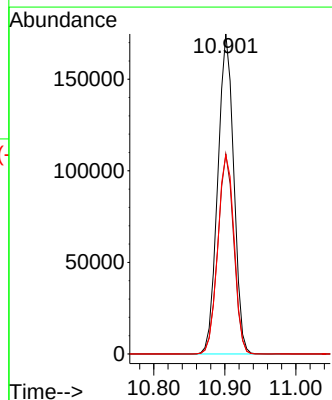
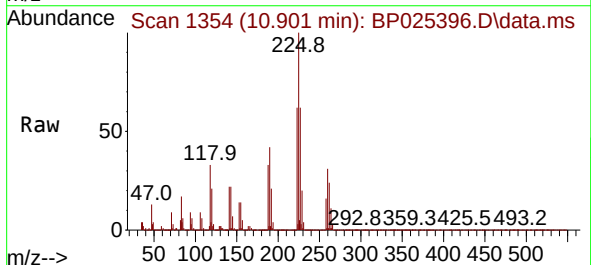
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

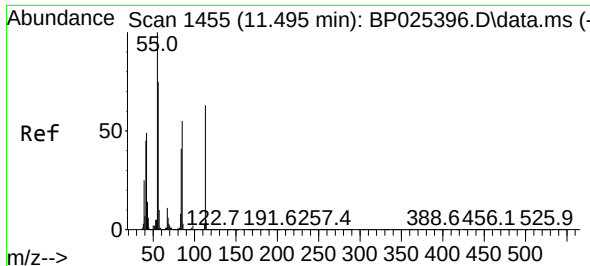
Tgt Ion:	127	Resp:	599466
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	29.7	23.8	35.6
92	19.8	15.8	23.8



#34
Hexachlorobutadiene
Concen: 38.700 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	225	Resp:	271549
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	62.1	49.7	74.5

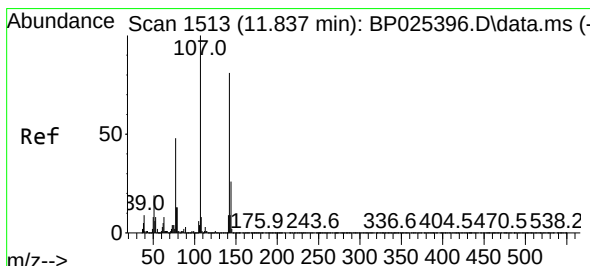
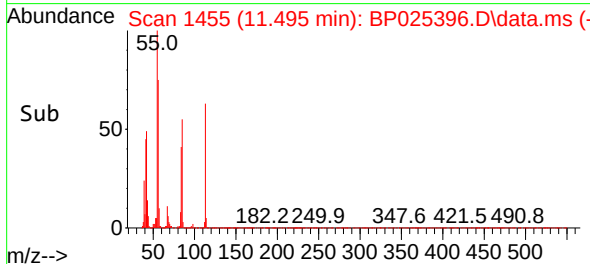
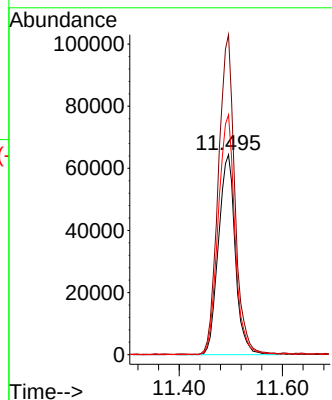
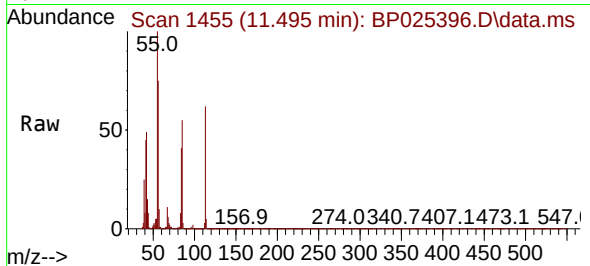




#35
Caprolactam
Concen: 38.520 ng
RT: 11.495 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

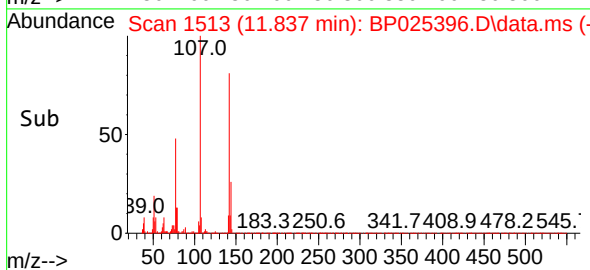
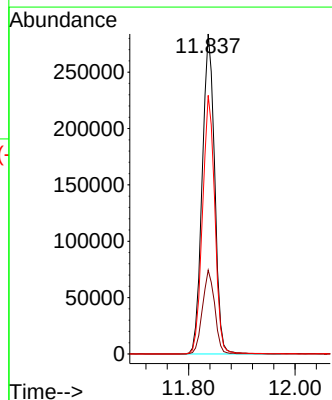
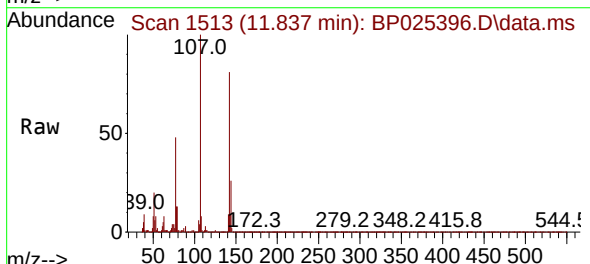
Instrument :
BNA_P
ClientSampleId :
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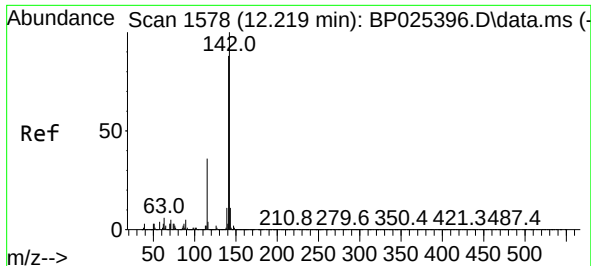
Tgt Ion:113 Resp: 145175
Ion Ratio Lower Upper
113 100
55 160.0 140.0 180.0
56 120.0 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 38.959 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 459473
Ion Ratio Lower Upper
107 100
144 26.2 21.0 31.4
142 80.8 64.6 97.0

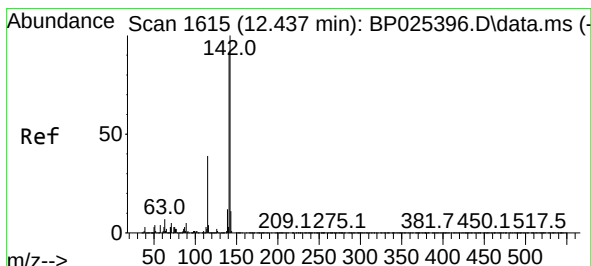
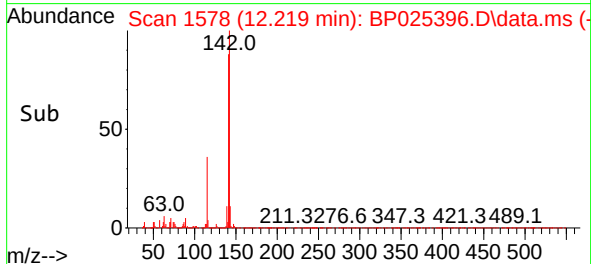
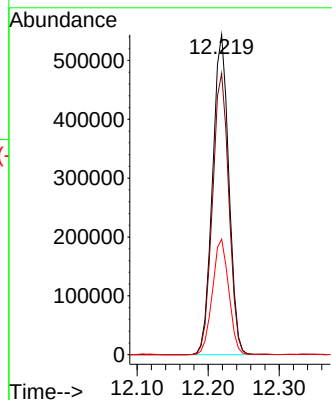
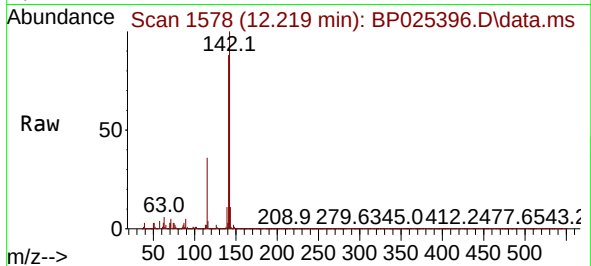




#37
2-Methylnaphthalene
Concen: 38.559 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

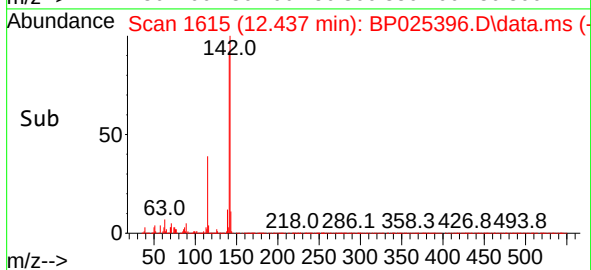
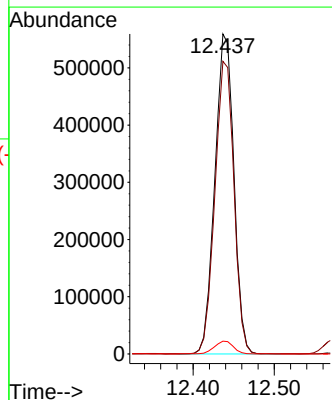
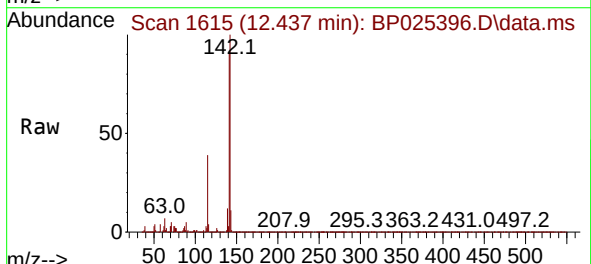
Instrument :
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ClientSampleId :
SSTDICCC040

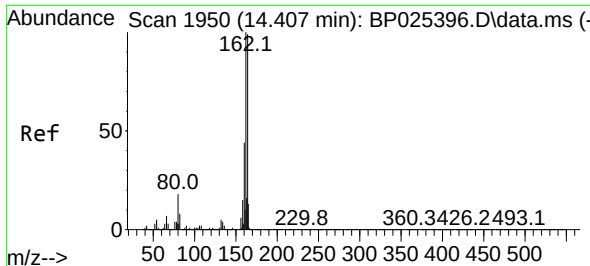
Tgt Ion:142 Resp: 865427
Ion Ratio Lower Upper
142 100
141 87.9 70.3 105.5
115 36.1 28.9 43.3



#38
1-Methylnaphthalene
Concen: 38.120 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:142 Resp: 909865
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7
116 4.0 3.2 4.8

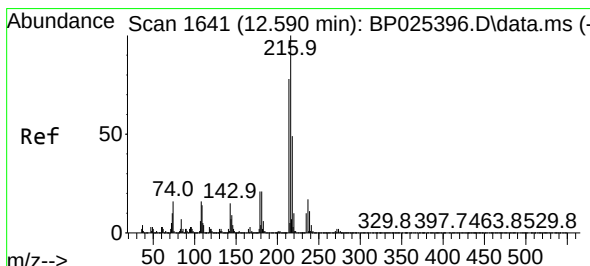
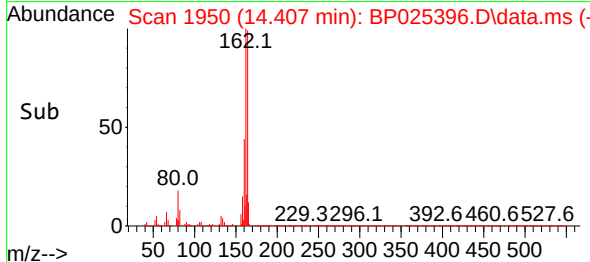
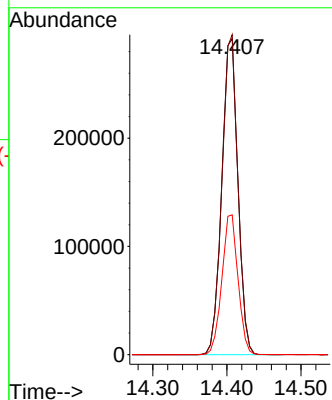
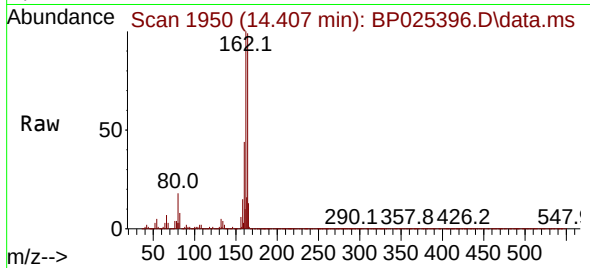




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

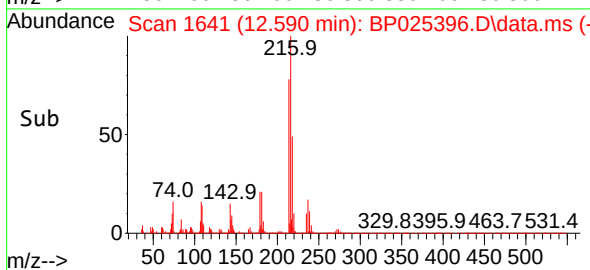
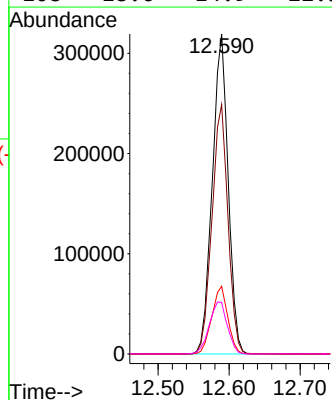
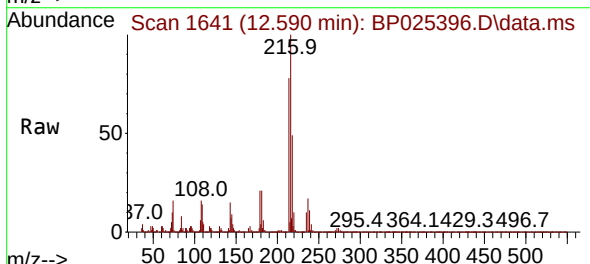
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ClientSampleId :
SSTDICCC040

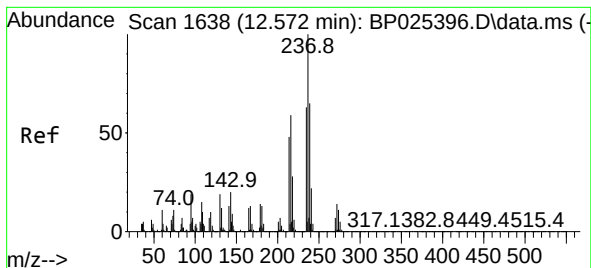
Tgt Ion:164 Resp: 441110
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.6
160 44.3 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.787 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:216 Resp: 494141
Ion Ratio Lower Upper
216 100
214 78.7 63.0 94.4
179 21.4 17.1 25.7
108 18.6 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 39.896 ng

RT: 12.572 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

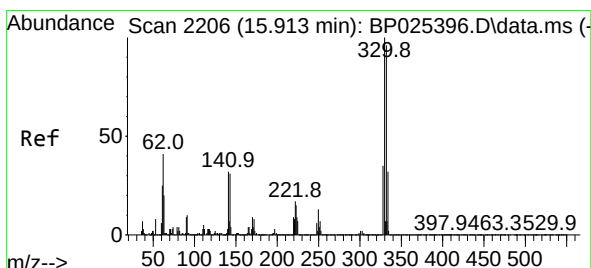
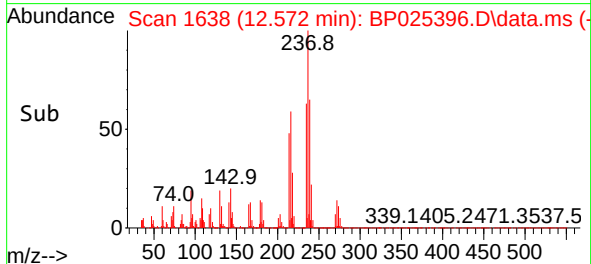
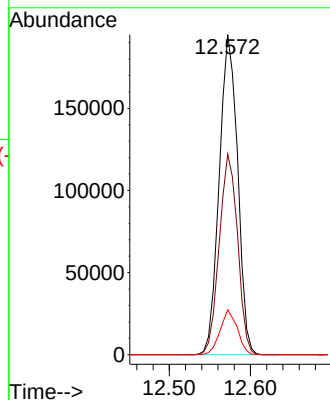
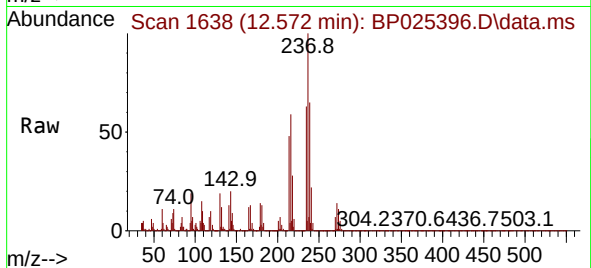
Tgt Ion:237 Resp: 307015

Ion Ratio Lower Upper

237 100

235 62.7 42.7 82.7

272 14.0 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 78.112 ng

RT: 15.913 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

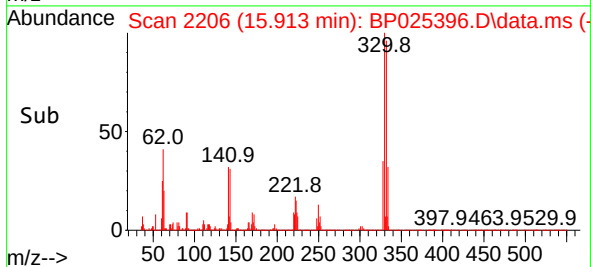
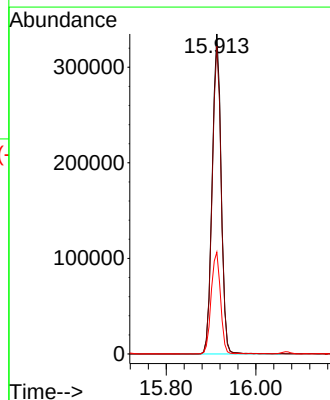
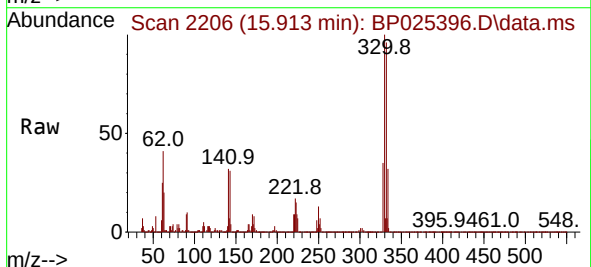
Tgt Ion:330 Resp: 463783

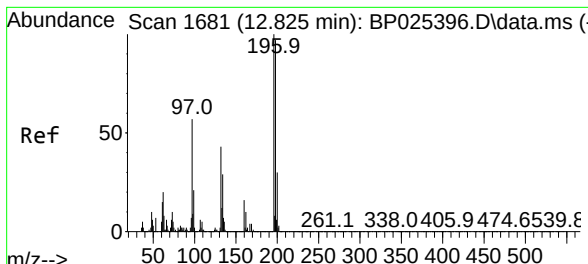
Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 33.2 26.6 39.8

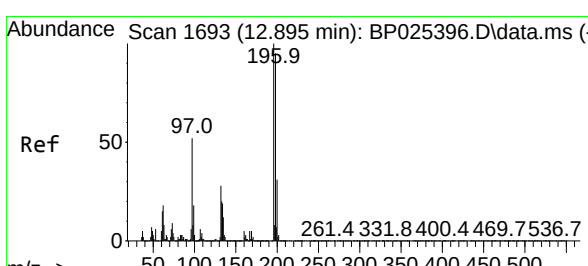
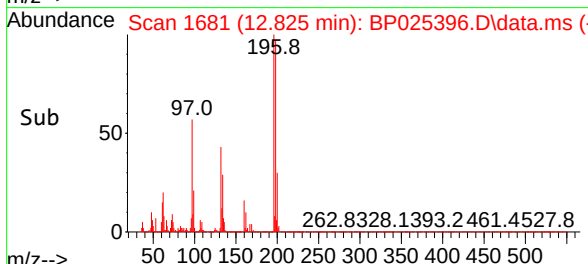
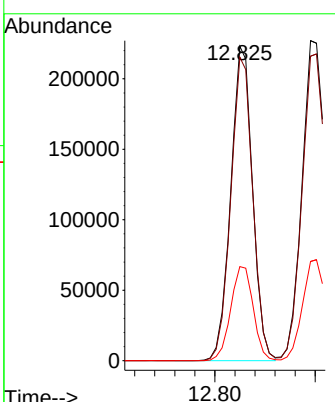
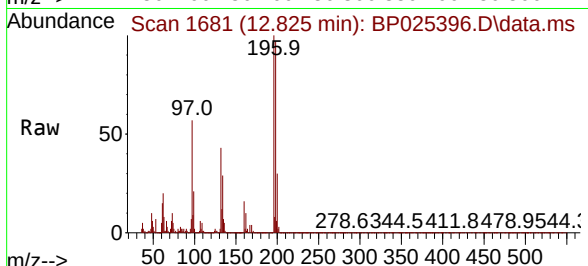




#43
 2,4,6-Trichlorophenol
 Concen: 39.201 ng
 RT: 12.825 min Scan# 1681
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

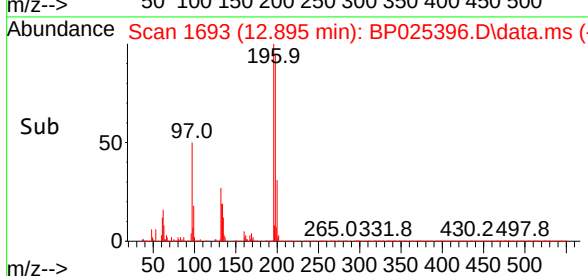
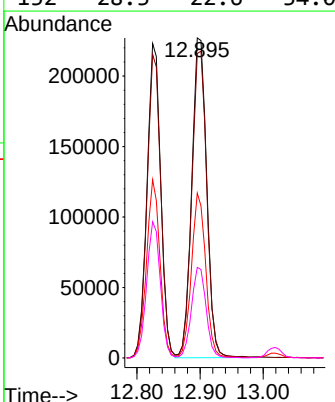
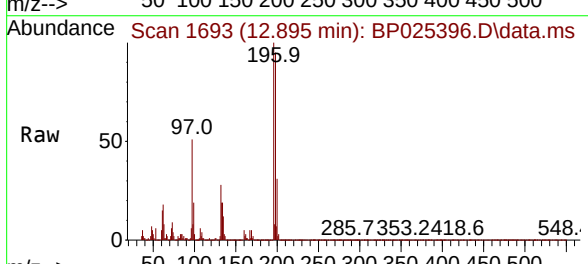
Instrument : BNA_P
 ClientSampleId : SSTDICC040

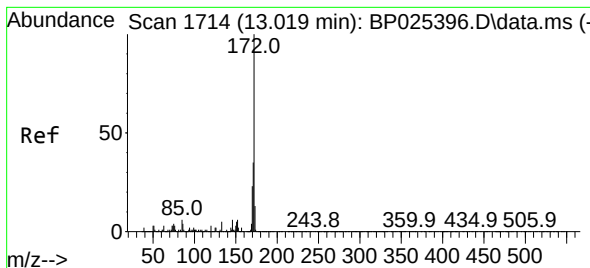
Tgt Ion:	196	Resp:	337157
Ion Ratio	Lower	Upper	
196	100		
198	96.5	77.2	115.8
200	29.9	23.9	35.9



#44
 2,4,5-Trichlorophenol
 Concen: 39.664 ng
 RT: 12.895 min Scan# 1693
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion:	196	Resp:	373880
Ion Ratio	Lower	Upper	
196	100		
198	95.2	76.2	114.2
97	51.5	41.2	61.8
132	28.3	22.6	34.0

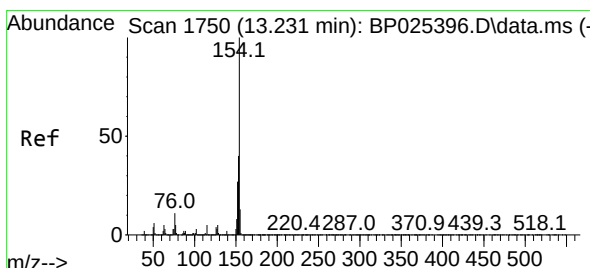
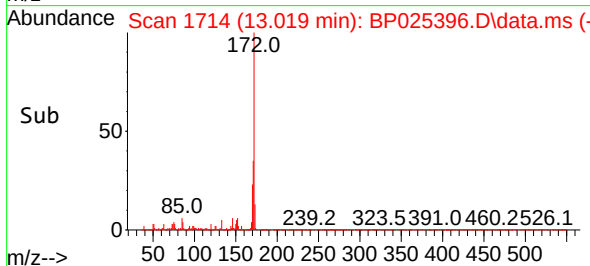
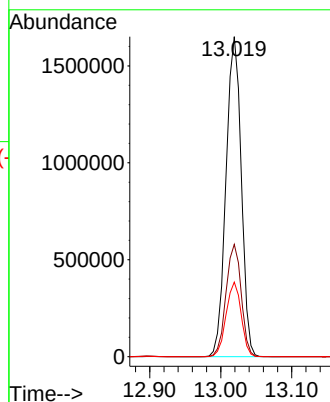
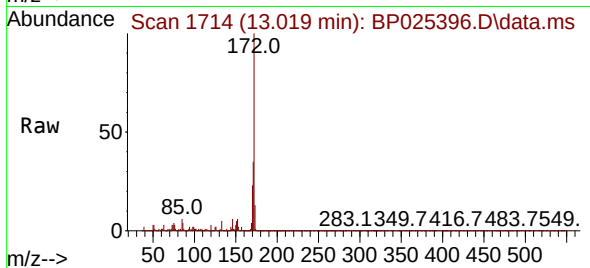




#45
2-Fluorobiphenyl
Concen: 76.118 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

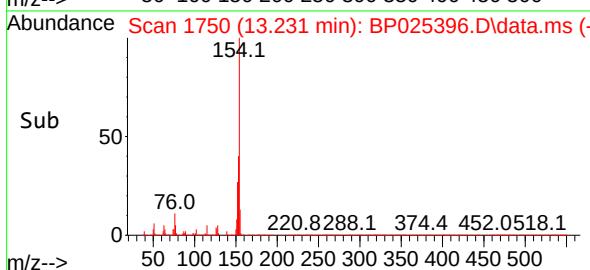
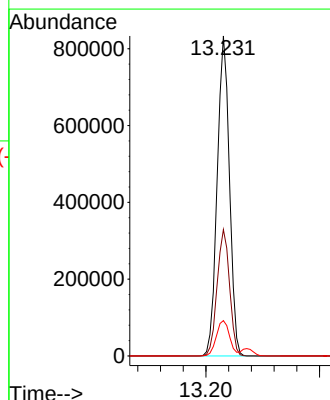
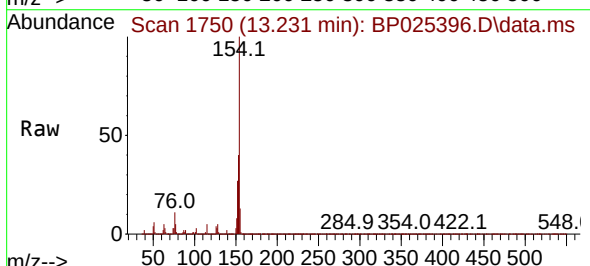
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

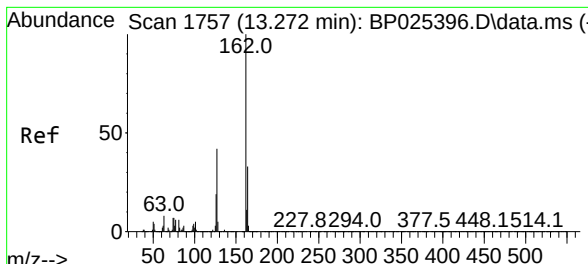
Tgt Ion:172 Resp: 2456787
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 38.777 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:154 Resp: 1242247
Ion Ratio Lower Upper
154 100
153 39.5 19.5 59.5
76 11.1 0.0 31.1



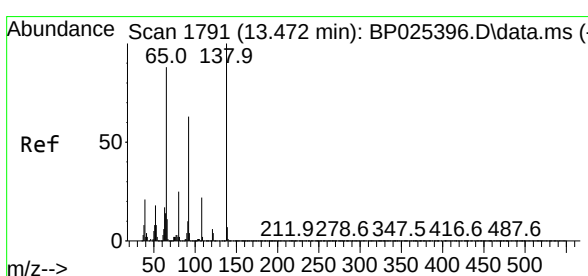
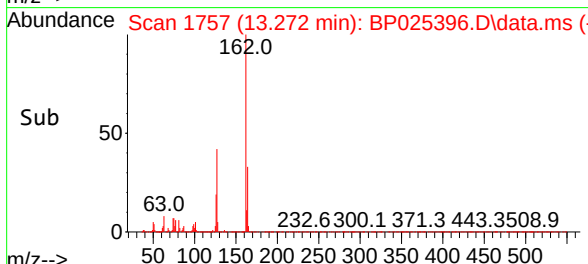
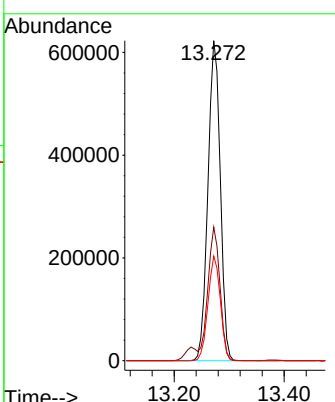
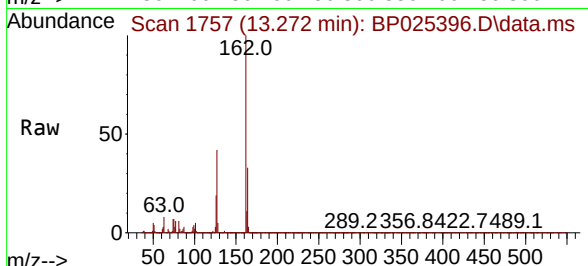


#47
 2-Chloronaphthalene
 Concen: 38.930 ng
 RT: 13.272 min Scan# 1757
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC040

Tgt Ion: 162 Resp: 970903

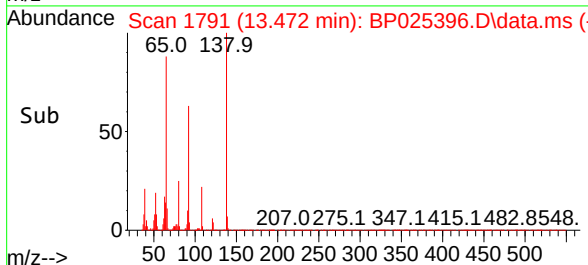
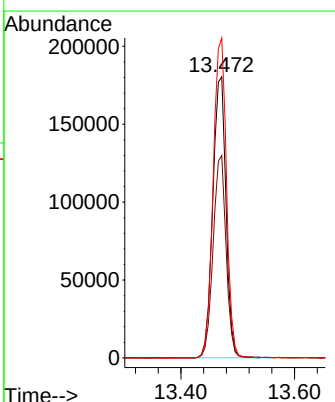
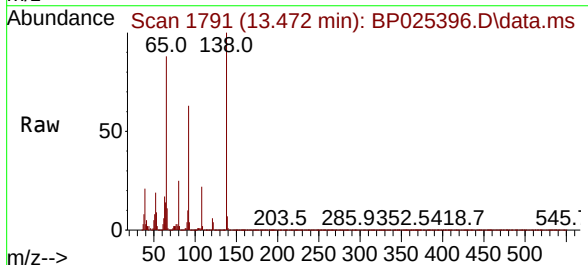
Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.4	50.2
164	32.7	26.2	39.2

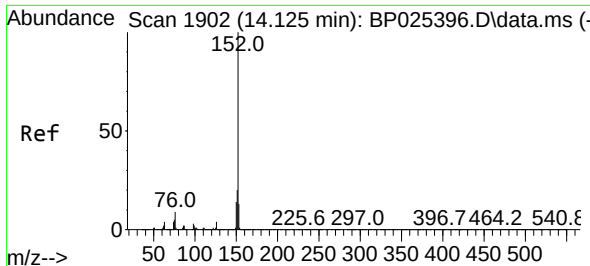


#48
 2-Nitroaniline
 Concen: 40.092 ng
 RT: 13.472 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion: 65 Resp: 291341

Ion	Ratio	Lower	Upper
65	100		
92	72.0	57.6	86.4
138	113.8	91.0	136.6

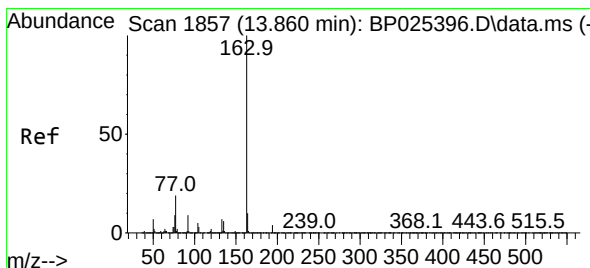
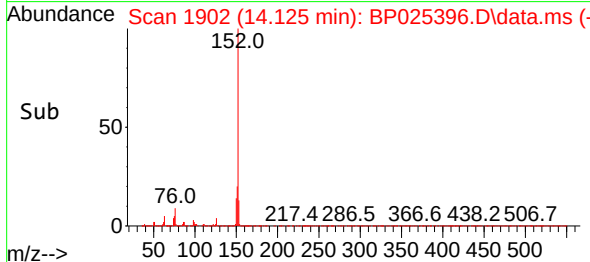
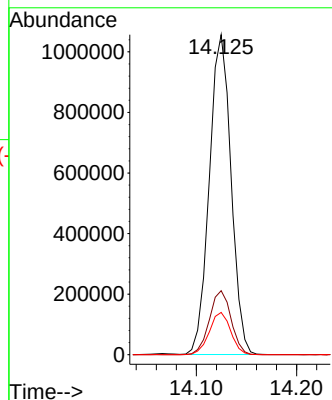
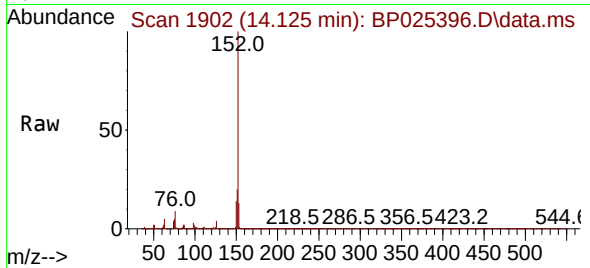




#49
Acenaphthylene
Concen: 38.617 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

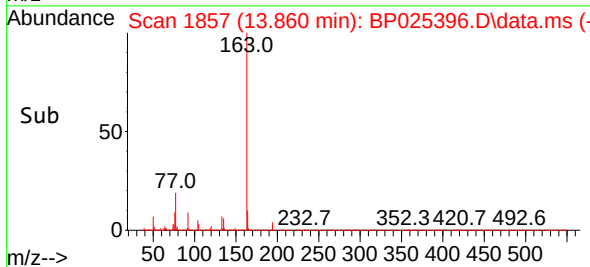
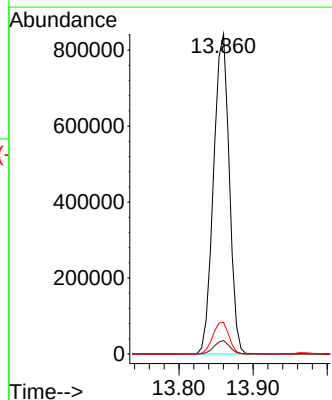
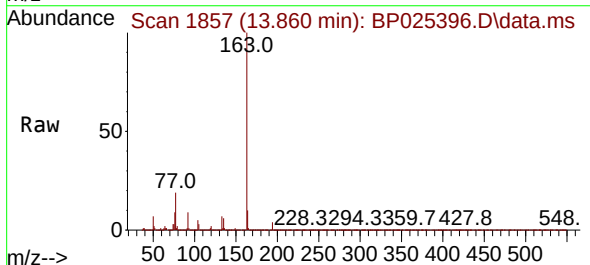
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

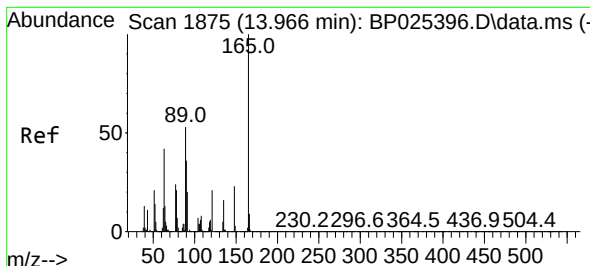
Tgt Ion:152 Resp: 1593636
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 38.316 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:163 Resp: 1237666
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.9 7.9 11.9

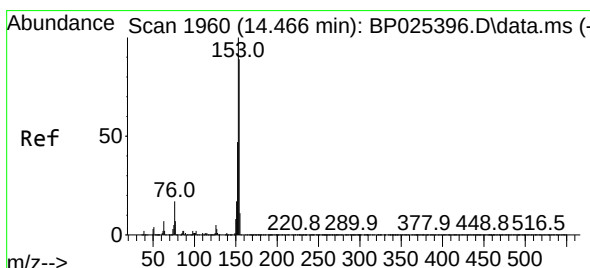
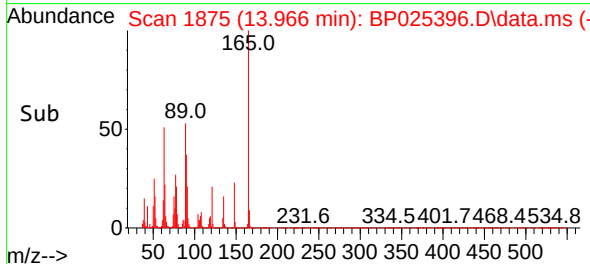
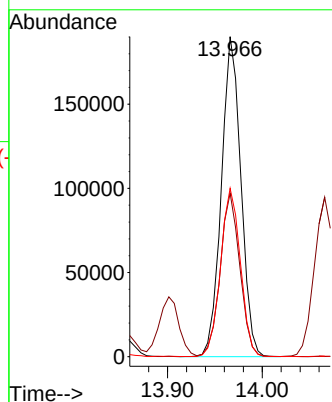
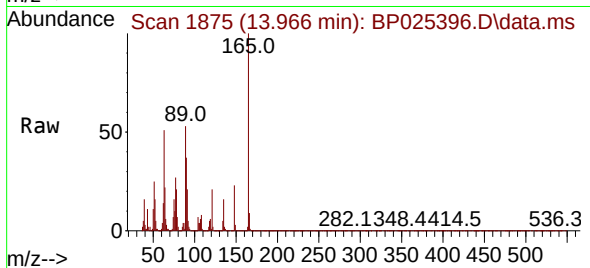




#51
2,6-Dinitrotoluene
Concen: 40.061 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

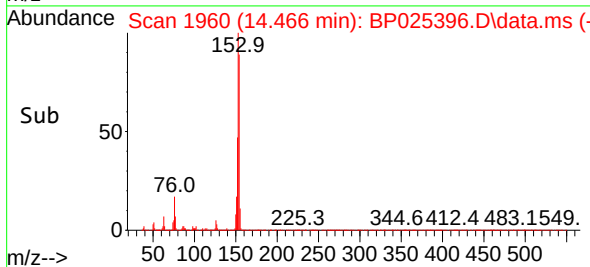
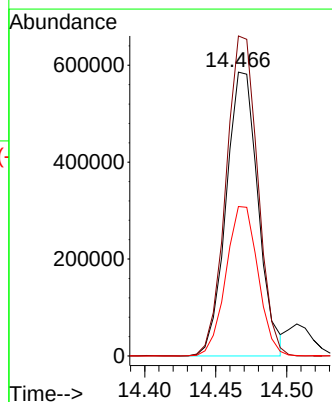
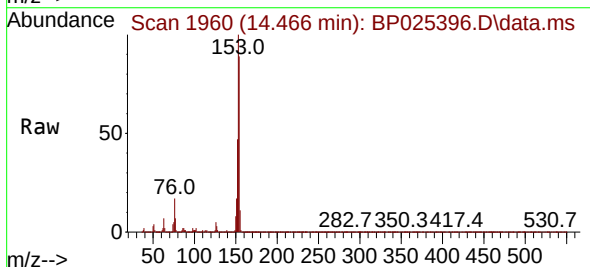
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

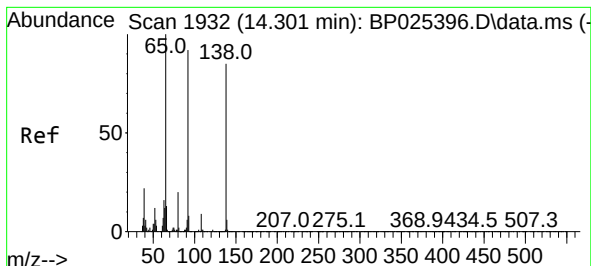
Tgt Ion:165 Resp: 272750
Ion Ratio Lower Upper
165 100
63 51.1 40.9 61.3
89 52.6 42.1 63.1



#52
Acenaphthene
Concen: 37.921 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:154 Resp: 918569
Ion Ratio Lower Upper
154 100
153 112.7 90.2 135.2
152 52.6 42.1 63.1

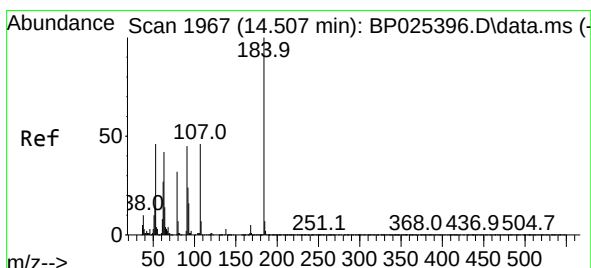
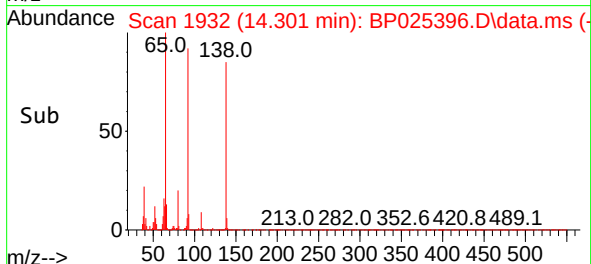
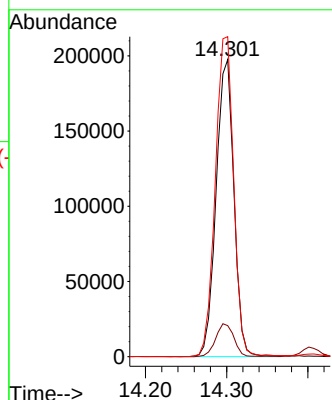
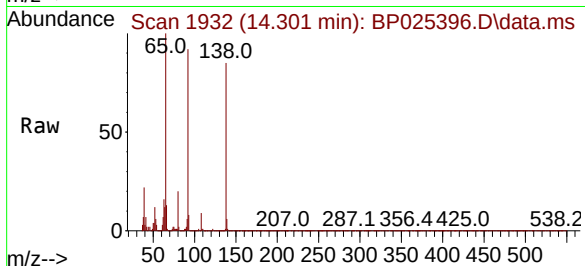




#53
3-Nitroaniline
Concen: 39.349 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

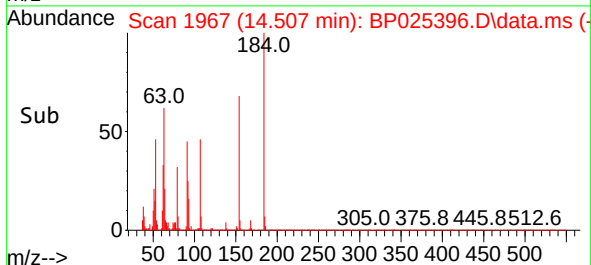
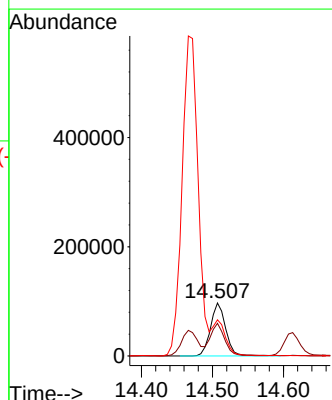
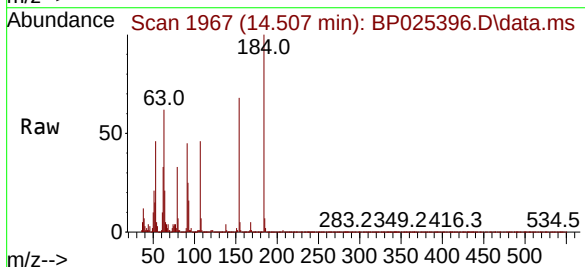
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

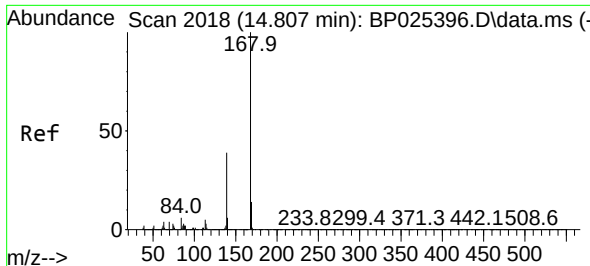
Tgt Ion:138 Resp: 301417
Ion Ratio Lower Upper
138 100
108 10.4 8.3 12.5
92 107.7 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 39.633 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:184 Resp: 144100
Ion Ratio Lower Upper
184 100
63 61.8 49.4 74.2
154 68.3 54.6 82.0

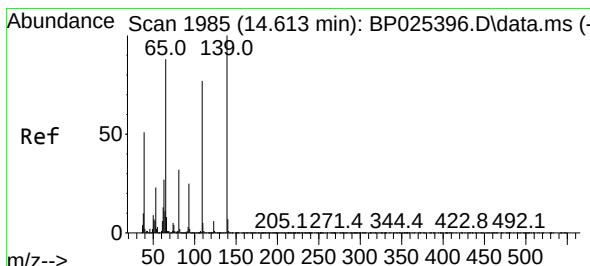
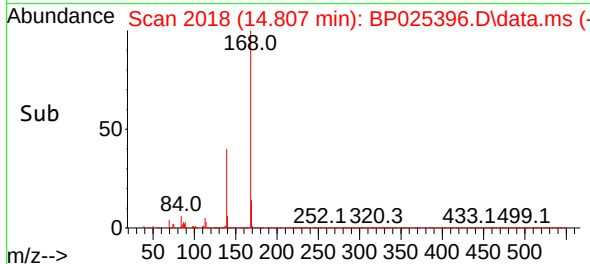
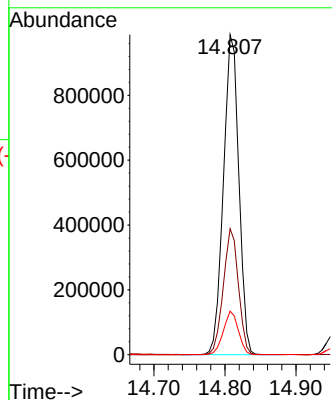
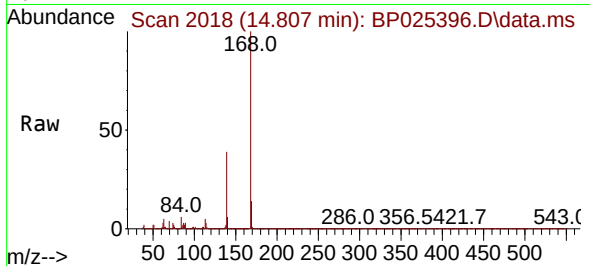




#55
Dibenzofuran
Concen: 38.624 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

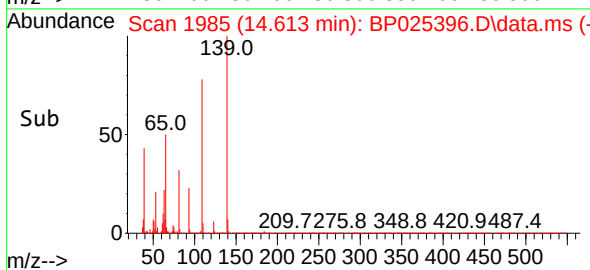
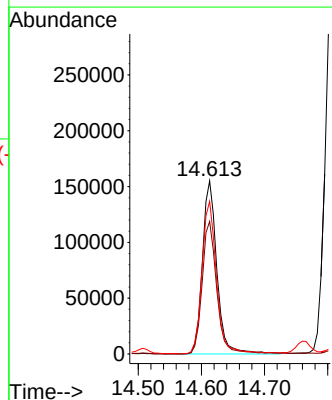
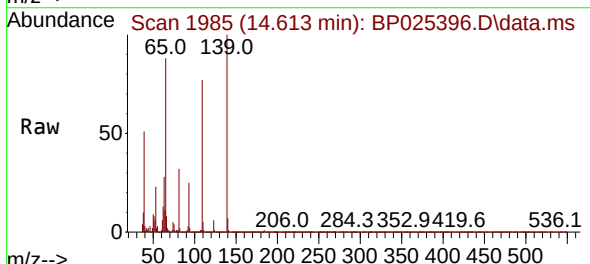
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

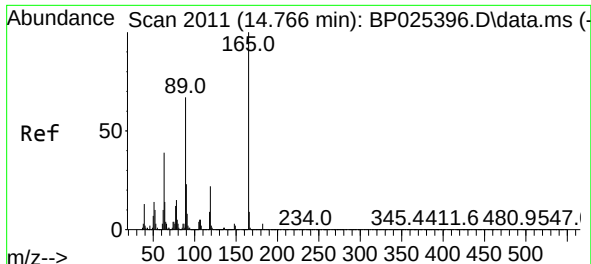
Tgt Ion:168 Resp: 1479220
Ion Ratio Lower Upper
168 100
139 39.4 31.5 47.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 39.168 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:139 Resp: 246542
Ion Ratio Lower Upper
139 100
109 76.6 56.6 96.6
65 88.2 68.2 108.2

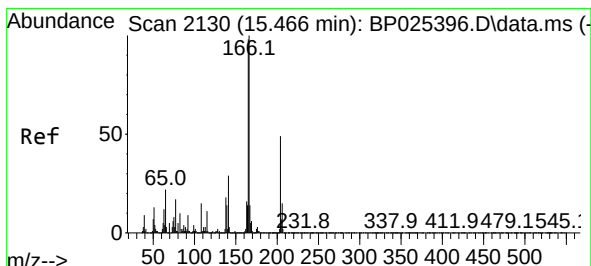
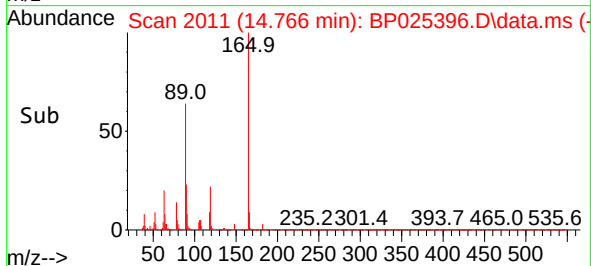
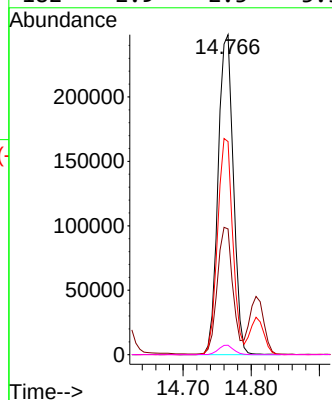
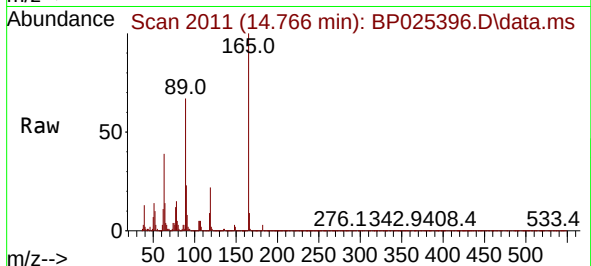




#57
2,4-Dinitrotoluene
Concen: 39.757 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

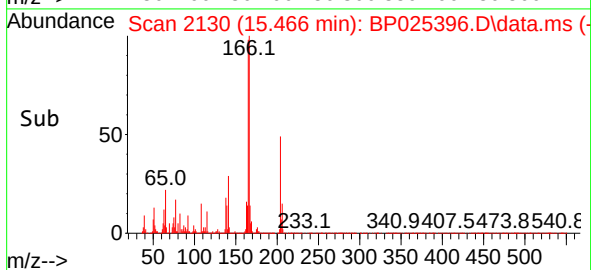
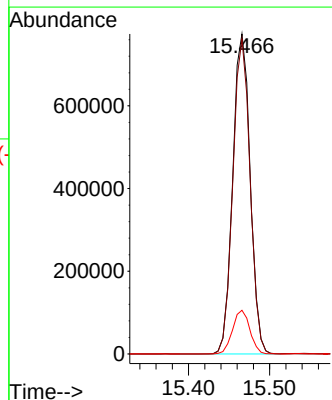
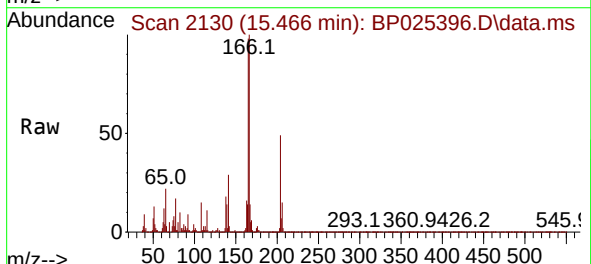
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

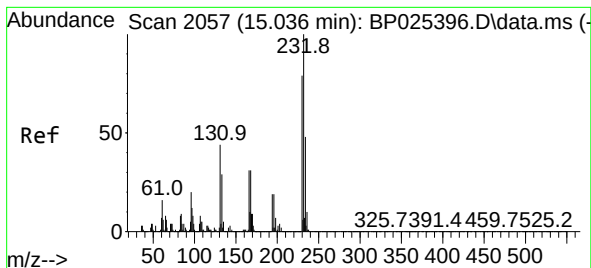
Tgt Ion:	165	Resp:	386189
Ion	Ratio	Lower	Upper
165	100		
63	39.3	31.4	47.2
89	66.6	53.3	79.9
182	2.9	2.3	3.5



#58
Fluorene
Concen: 38.115 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	166	Resp:	1151825
Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.8	118.2
167	13.7	11.0	16.4

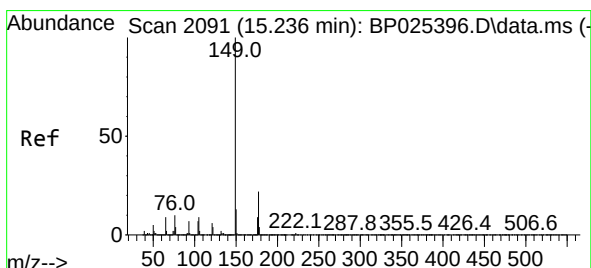
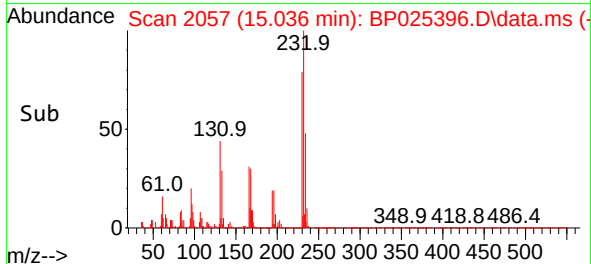
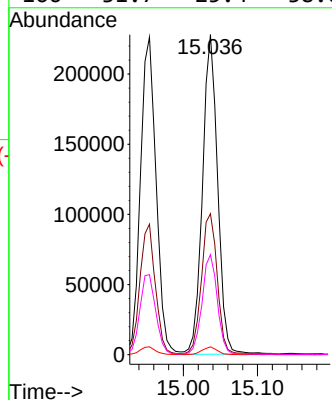
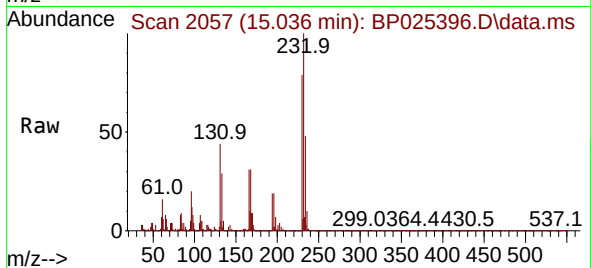




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.975 ng
RT: 15.036 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

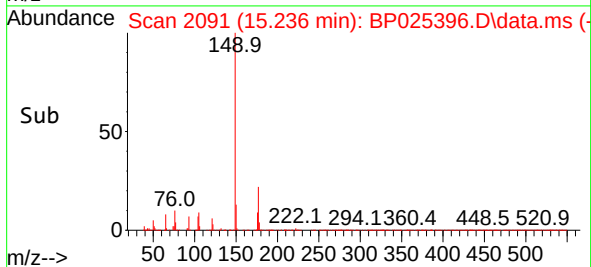
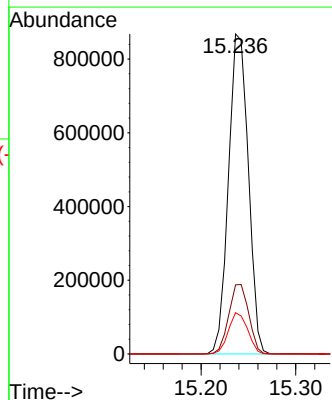
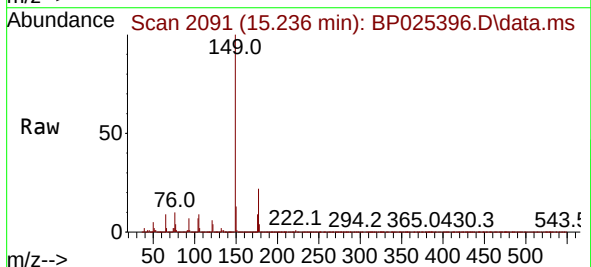
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

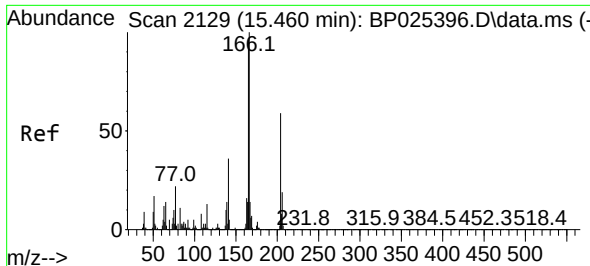
Tgt Ion:232	Resp:	324396
Ion Ratio	Lower	Upper
232	100	
131	46.3	37.0 55.6
130	2.4	1.9 2.9
166	31.7	25.4 38.0



#60
Diethylphthalate
Concen: 38.533 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149	Resp:	1264740
Ion Ratio	Lower	Upper
149	100	
177	21.6	17.3 25.9
150	12.9	10.3 15.5

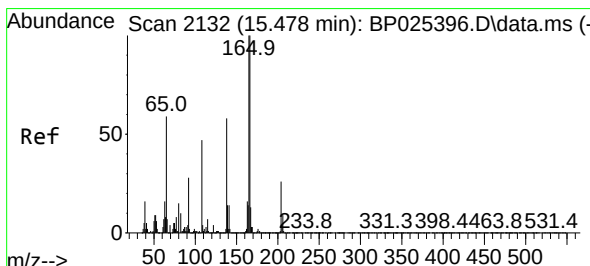
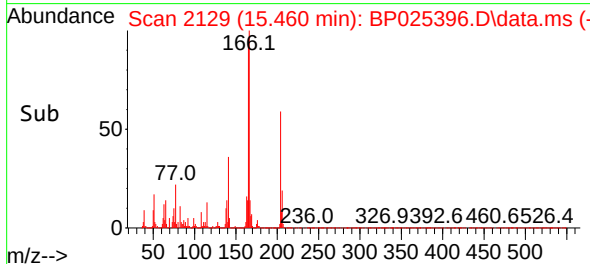
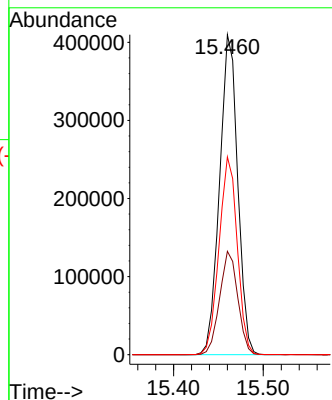
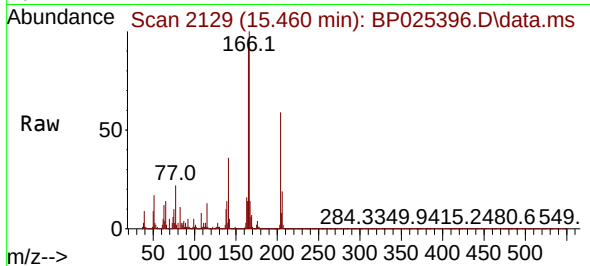




#61
4-Chlorophenyl-phenylether
Concen: 38.228 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

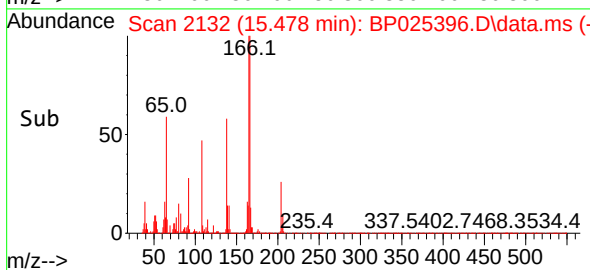
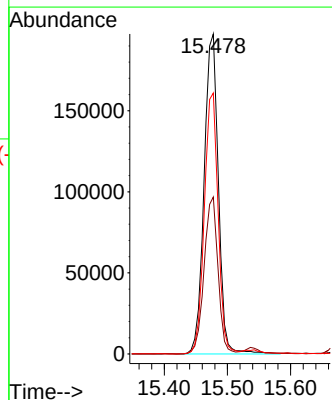
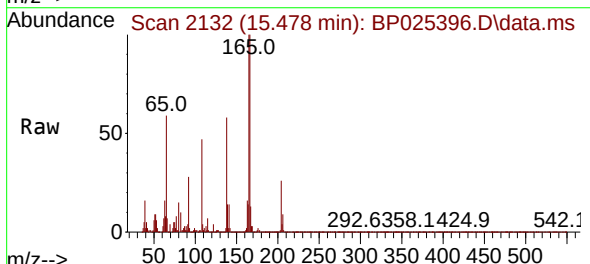
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

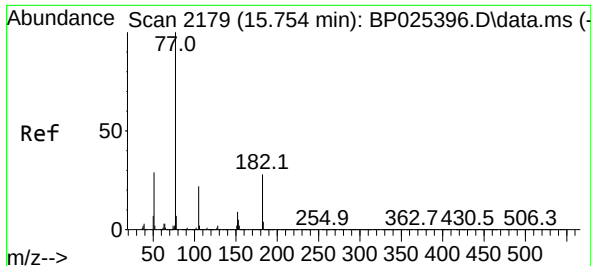
Tgt Ion:204 Resp: 574546
Ion Ratio Lower Upper
204 100
206 32.3 25.8 38.8
141 61.8 49.4 74.2



#62
4-Nitroaniline
Concen: 39.443 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:138 Resp: 309740
Ion Ratio Lower Upper
138 100
92 49.1 29.1 69.1
108 81.5 61.5 101.5



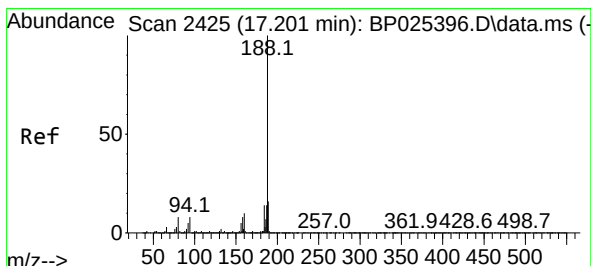
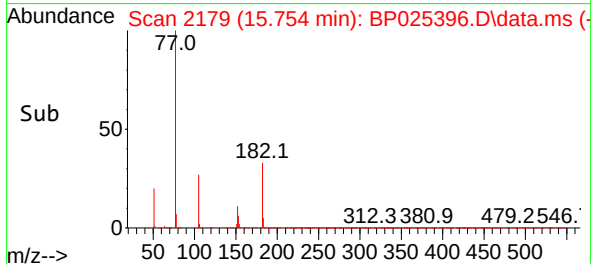
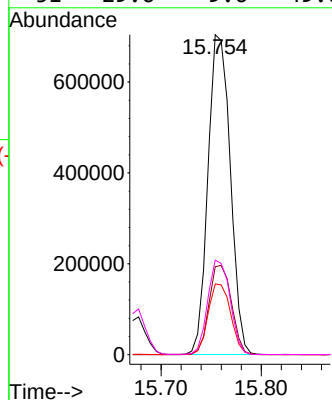
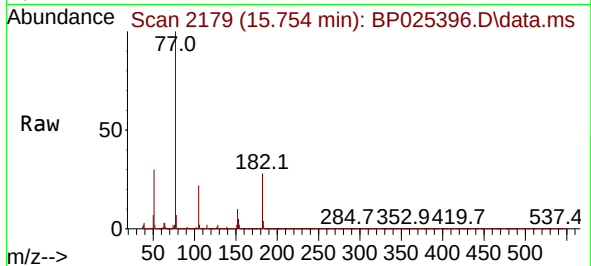


#63
Azobenzene
Concen: 38.820 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1091004

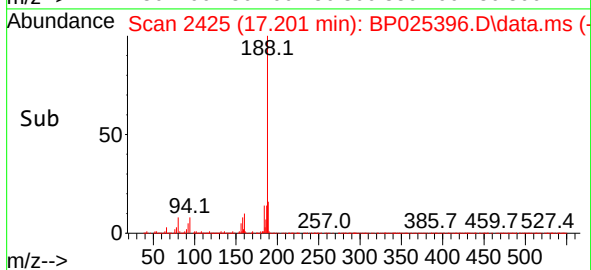
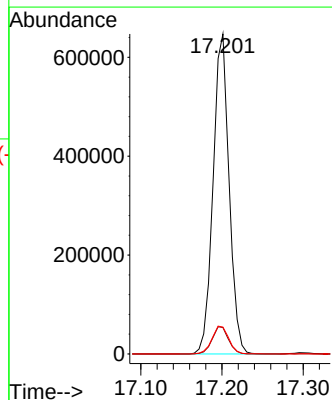
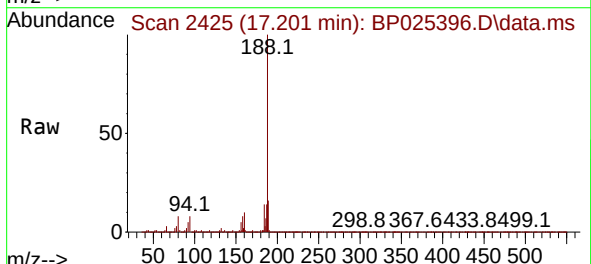
Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.5	47.5
105	22.1	2.1	42.1
51	29.6	9.6	49.6

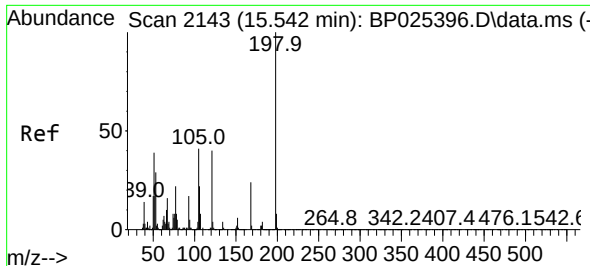


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 188 Resp: 884529

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	8.4	6.7	10.1

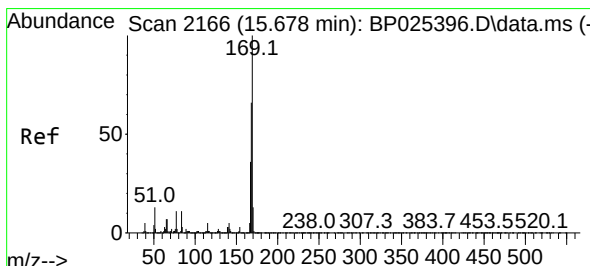
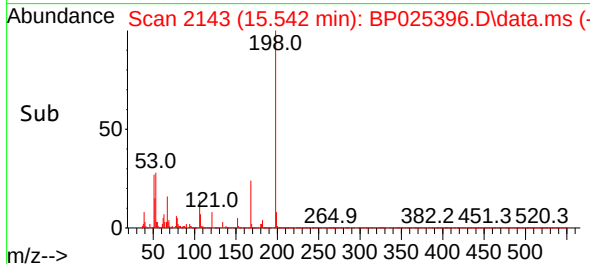
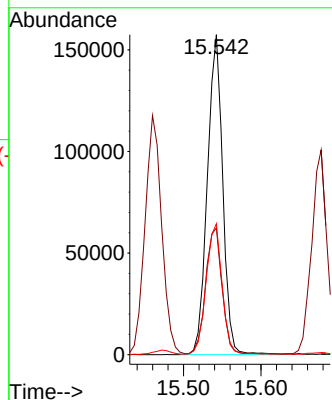
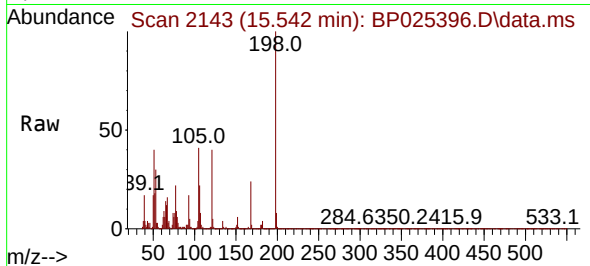




#65
4,6-Dinitro-2-methylphenol
Concen: 39.384 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

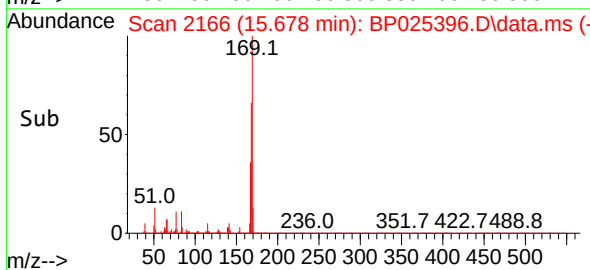
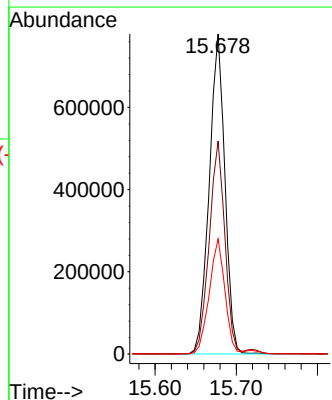
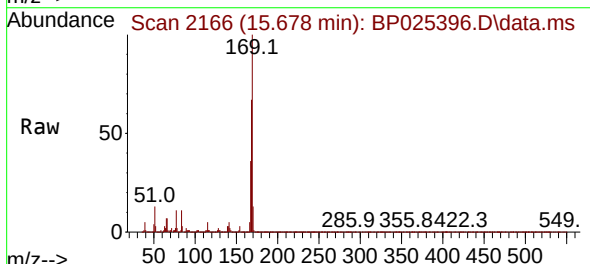
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

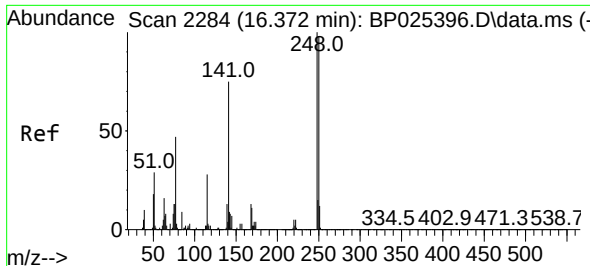
Tgt Ion:198 Resp: 217153
Ion Ratio Lower Upper
198 100
51 39.6 19.6 59.6
105 40.9 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 38.749 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:169 Resp: 1045170
Ion Ratio Lower Upper
169 100
168 66.5 53.2 79.8
167 35.9 28.7 43.1

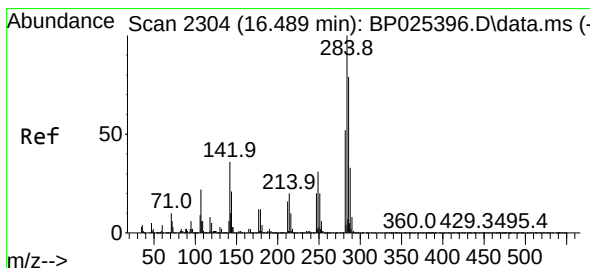
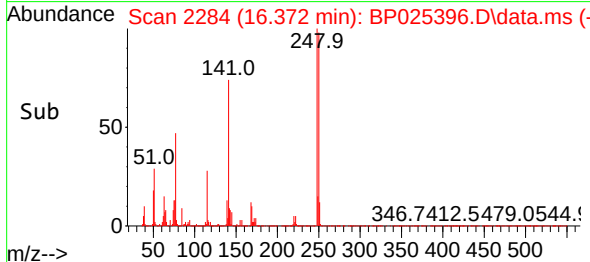
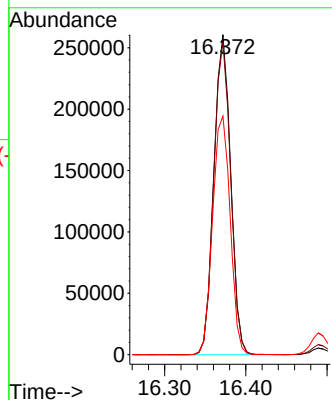
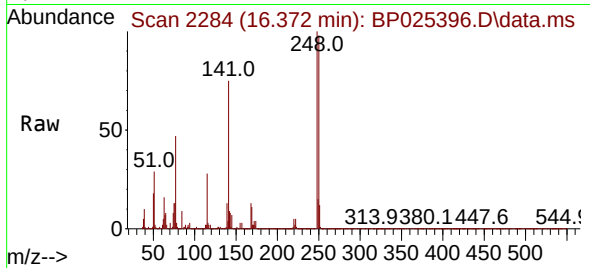




#67
4-Bromophenyl-phenylether
Concen: 38.739 ng
RT: 16.372 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

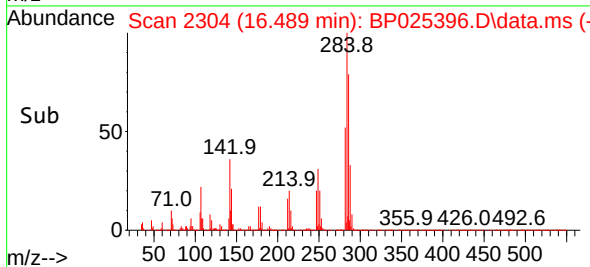
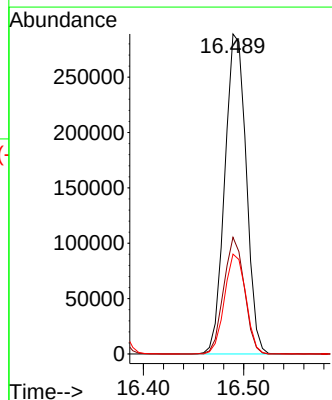
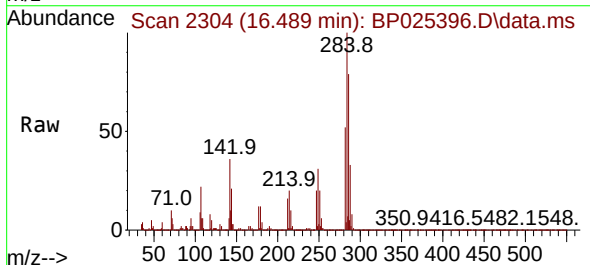
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

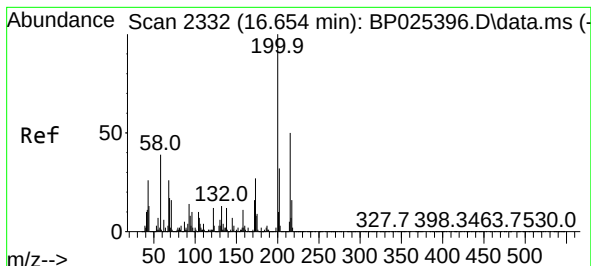
Tgt Ion:	248	Resp:	376864
Ion Ratio	Lower	Upper	
248	100		
250	97.7	78.2	117.2
141	74.5	59.6	89.4



#68
Hexachlorobenzene
Concen: 37.986 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:	284	Resp:	428361
Ion Ratio	Lower	Upper	
284	100		
142	36.4	29.1	43.7
249	31.2	25.0	37.4





#69

Atrazine

Concen: 38.238 ng

RT: 16.654 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

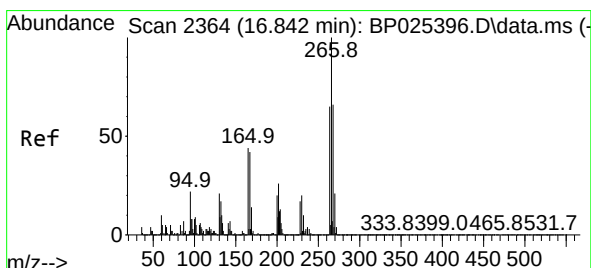
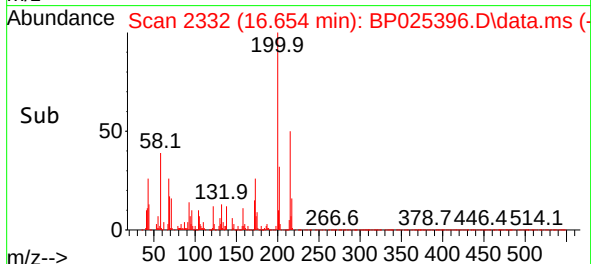
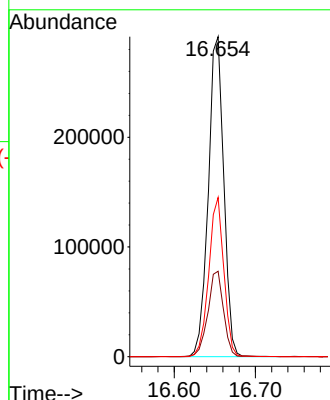
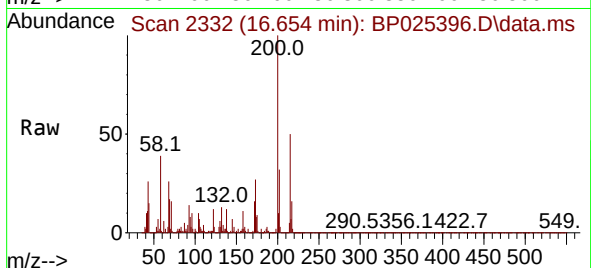
Tgt Ion:200 Resp: 386256

Ion Ratio Lower Upper

200 100

173 26.7 6.7 46.7

215 49.7 29.7 69.7



#70

Pentachlorophenol

Concen: 39.110 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

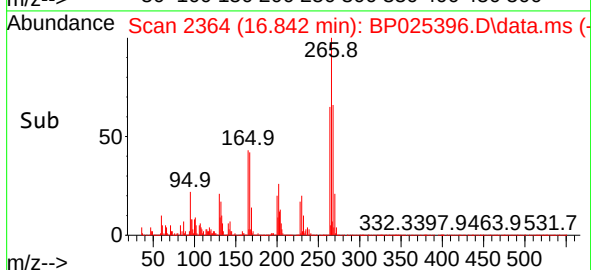
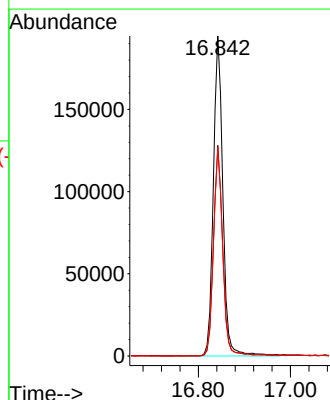
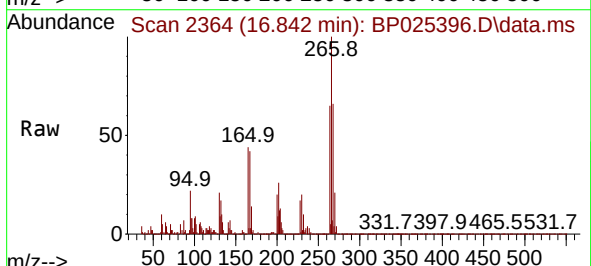
Tgt Ion:266 Resp: 278412

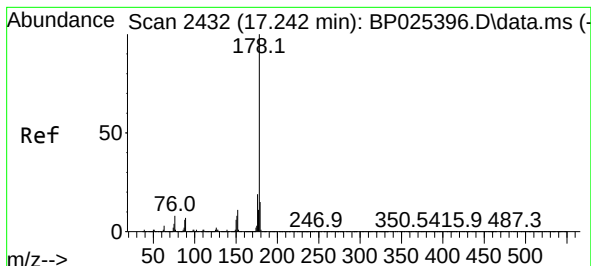
Ion Ratio Lower Upper

266 100

268 65.8 52.6 79.0

264 65.0 52.0 78.0





#71

Phenanthrene

Concen: 37.851 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

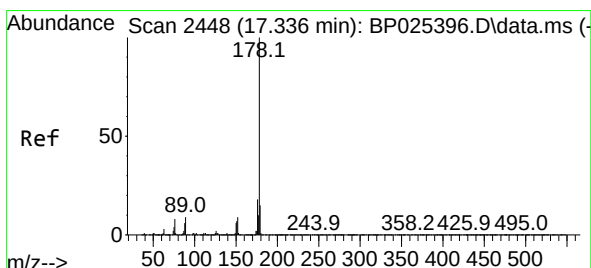
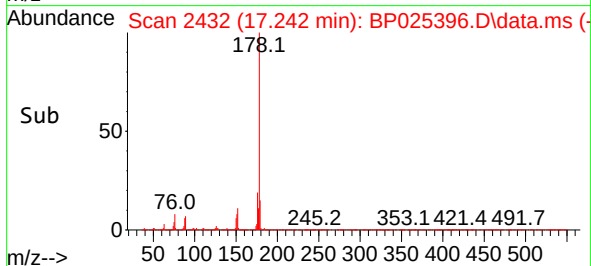
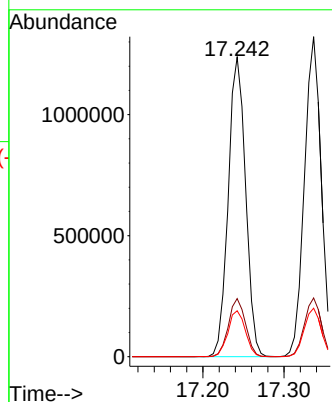
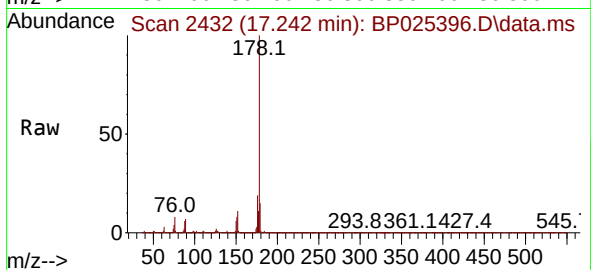
Tgt Ion:178 Resp: 1839191

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.3 12.2 18.4



#72

Anthracene

Concen: 38.456 ng

RT: 17.336 min Scan# 2448

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

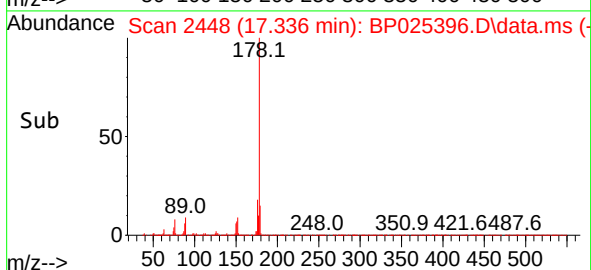
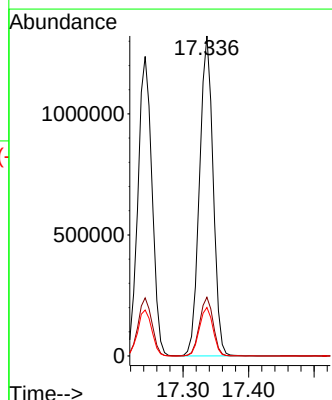
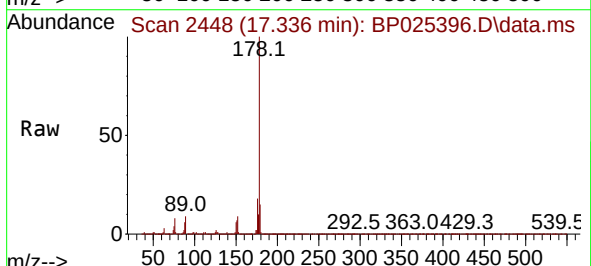
Tgt Ion:178 Resp: 1908189

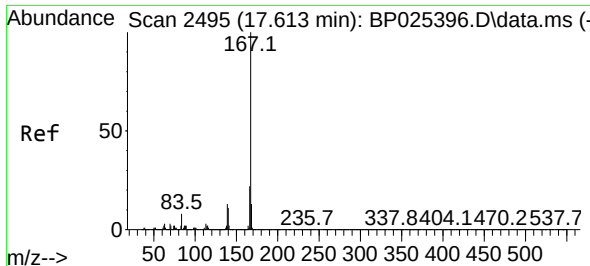
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.2 12.2 18.2

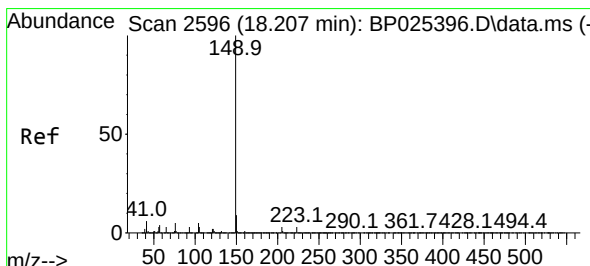
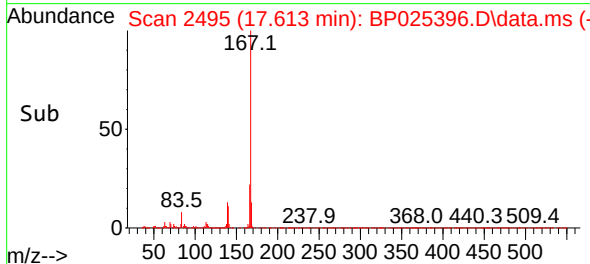
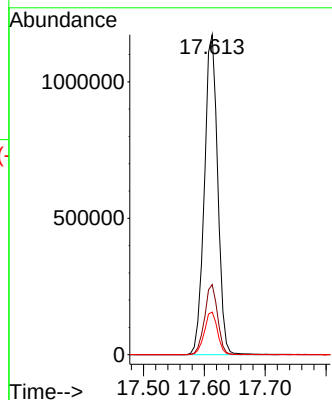
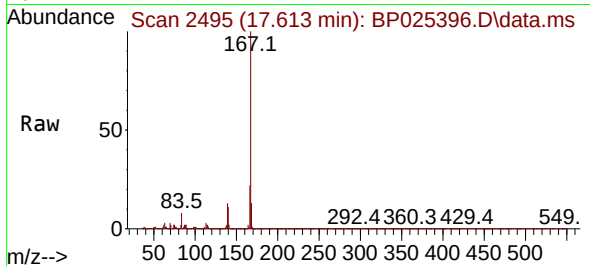




#73
 Carbazole
 Concen: 38.125 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

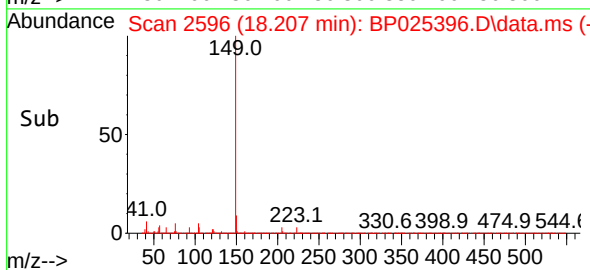
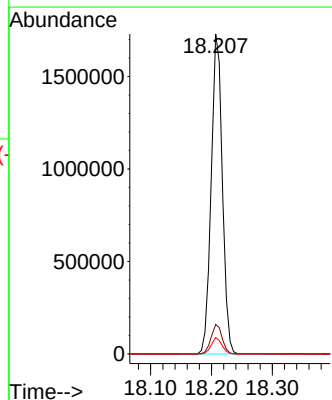
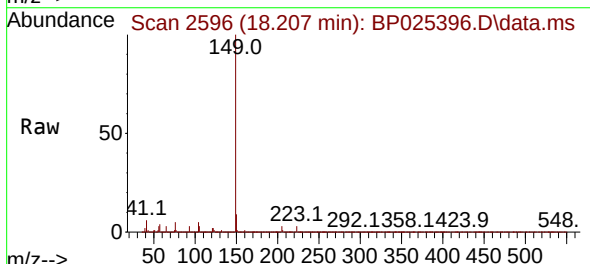
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

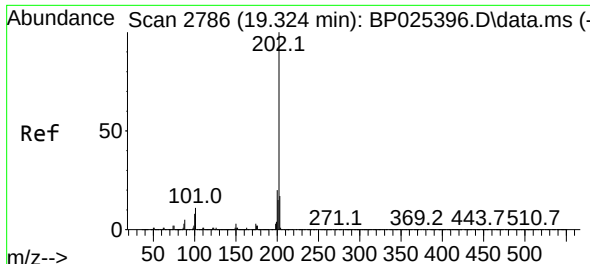
Tgt Ion:167 Resp: 1781890
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 13.3 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 38.277 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. 0.000 min
 Lab File: BP025396.D
 Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 2201043
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.2 4.2 6.2

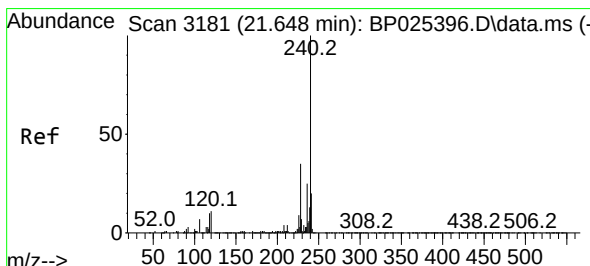
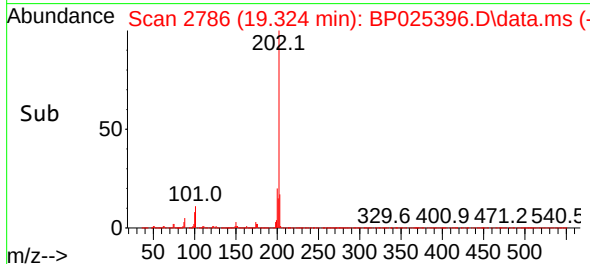
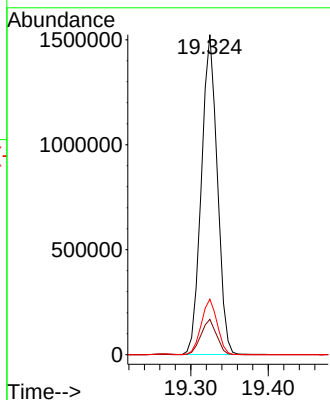
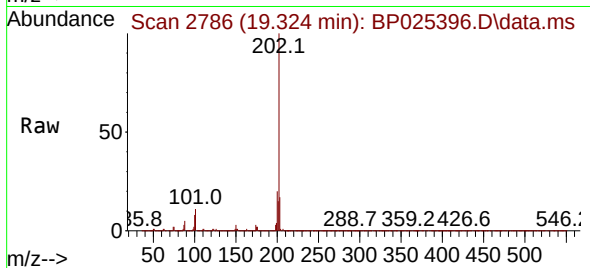




#75
Fluoranthene
Concen: 37.488 ng
RT: 19.324 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

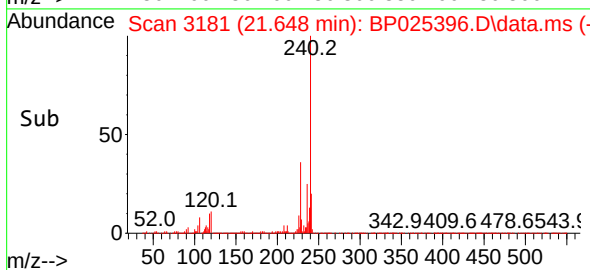
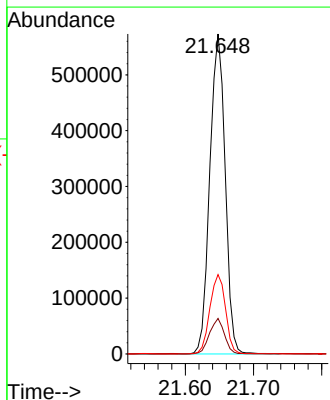
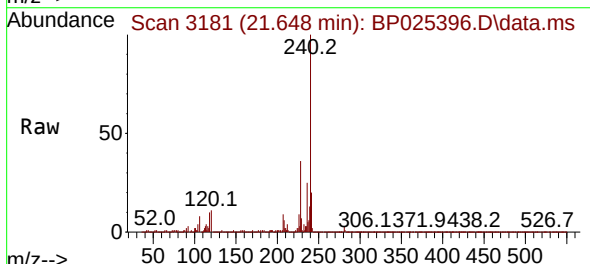
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

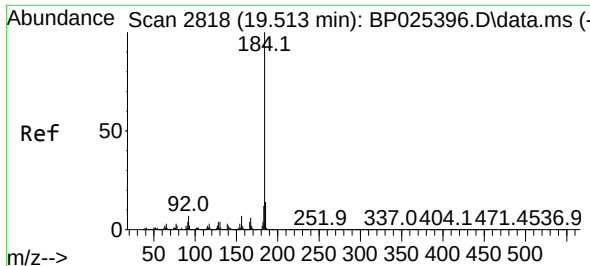
Tgt Ion:202 Resp: 2172758
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.1
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:240 Resp: 899207
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 24.8 19.8 29.8

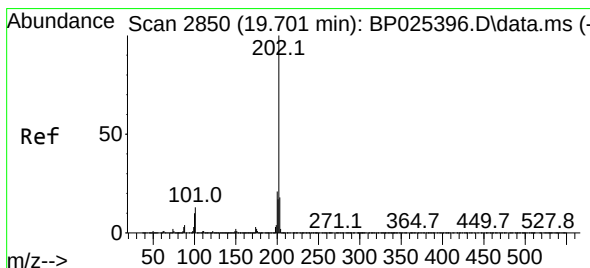
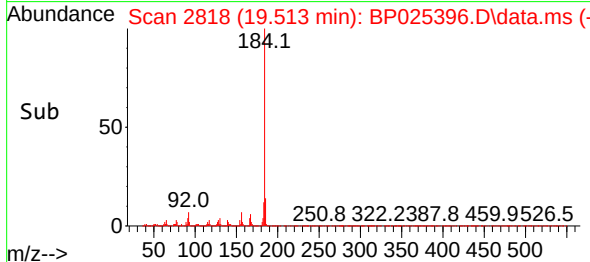
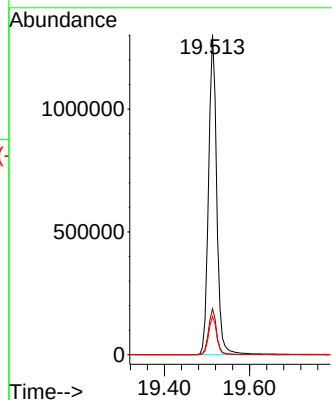
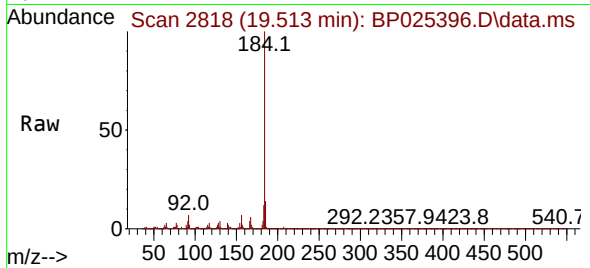




#77
Benzidine
Concen: 56.665 ng
RT: 19.513 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

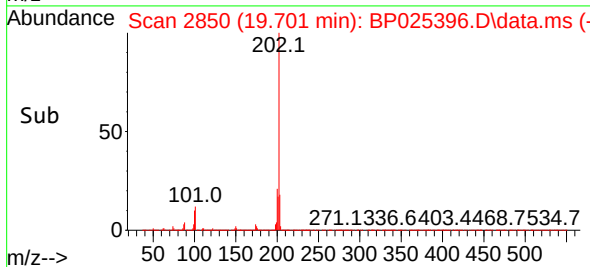
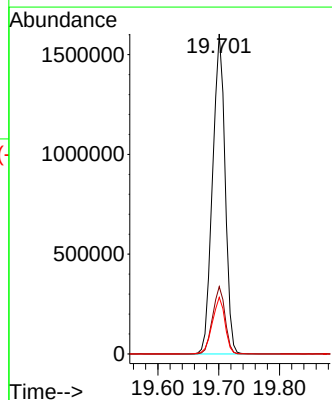
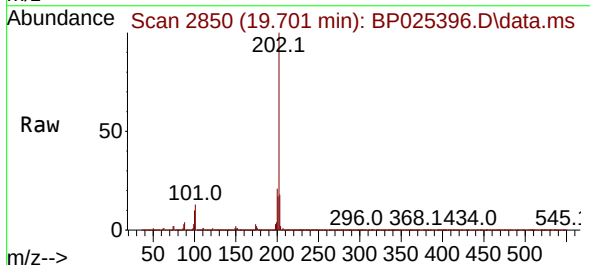
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

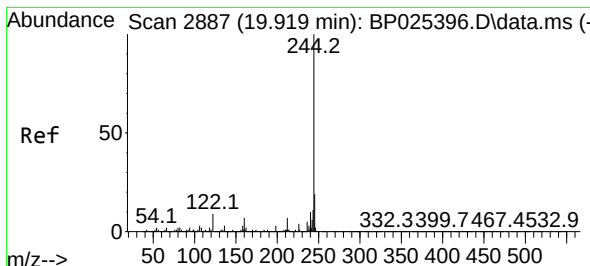
Tgt Ion:184 Resp: 1738926
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.8 9.4 14.2



#78
Pyrene
Concen: 39.189 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:202 Resp: 2290461
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 76.508 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

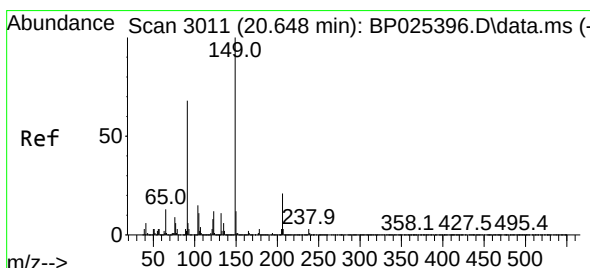
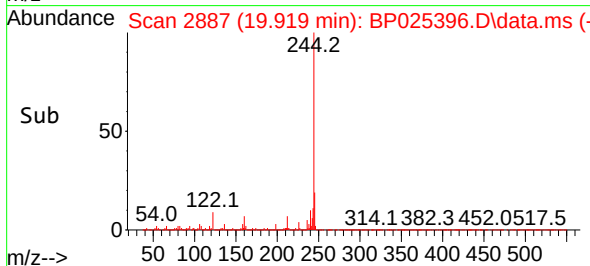
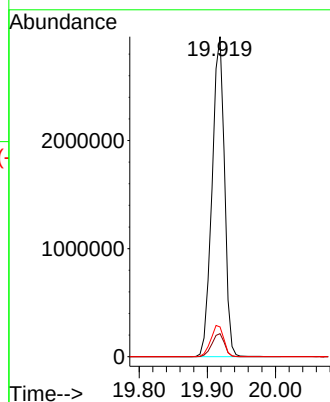
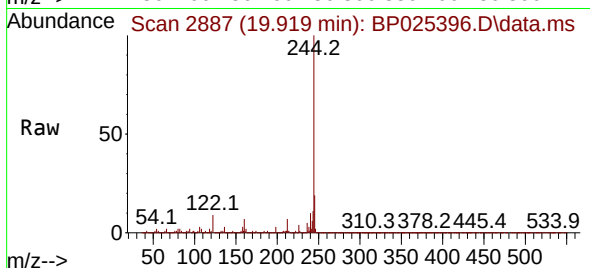
Tgt Ion:244 Resp: 3760236

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.3 7.4 11.2



#80

Butylbenzylphthalate

Concen: 39.338 ng

RT: 20.648 min Scan# 3011

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

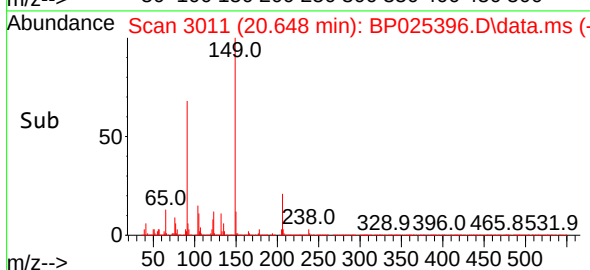
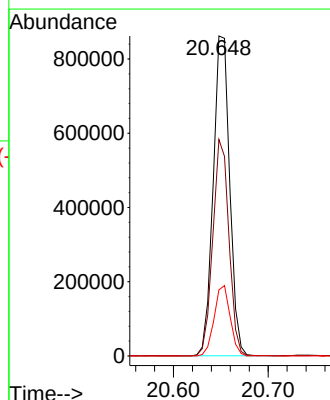
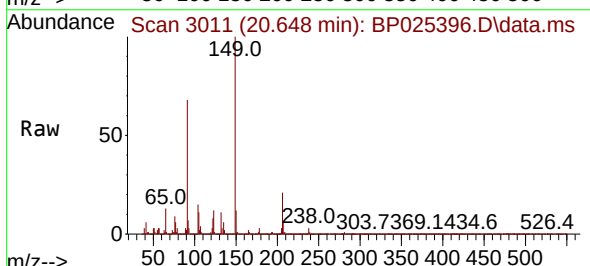
Tgt Ion:149 Resp: 1041998

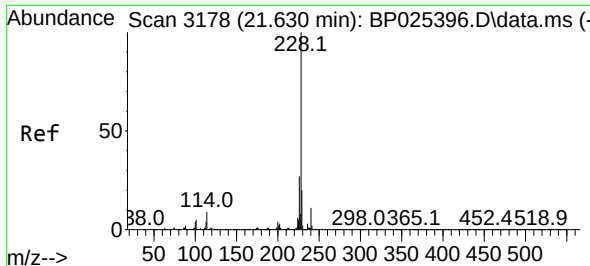
Ion Ratio Lower Upper

149 100

91 67.7 54.2 81.2

206 20.7 16.6 24.8

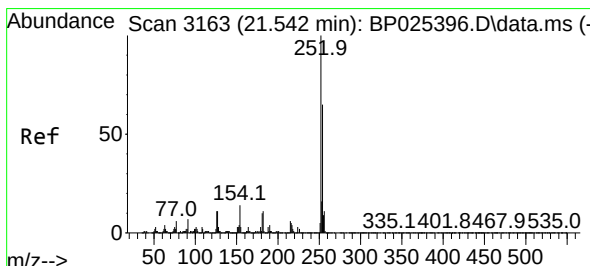
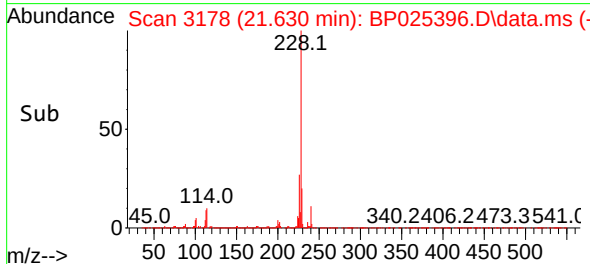
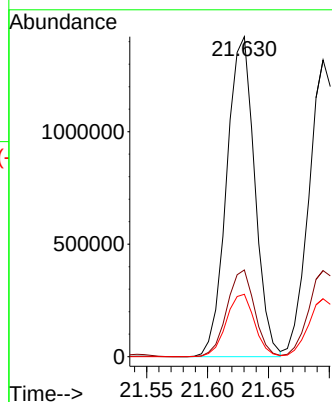
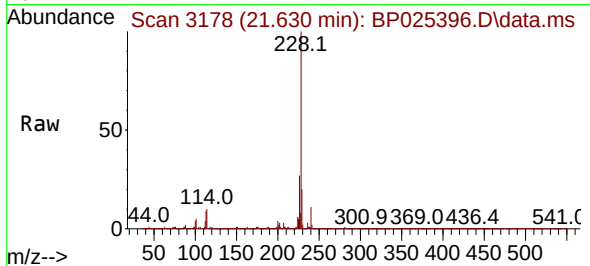




#81
Benzo(a)anthracene
Concen: 38.460 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

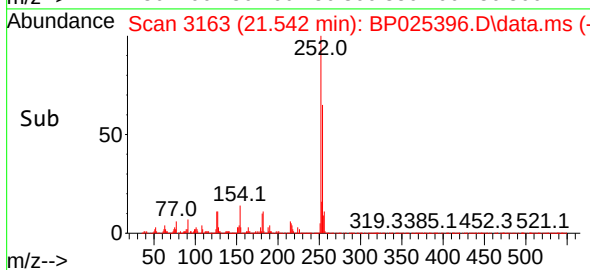
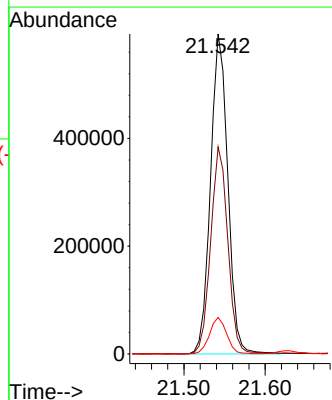
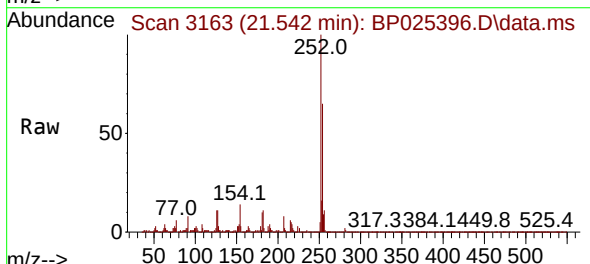
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

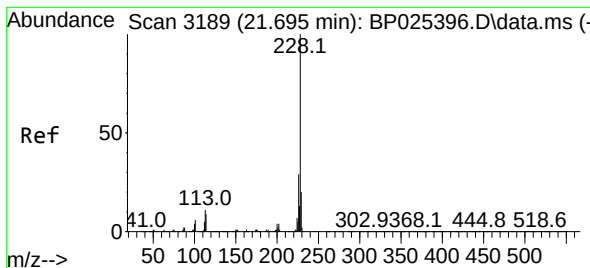
Tgt Ion:228 Resp: 2280774
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.5 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 39.266 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 877708
Ion Ratio Lower Upper
252 100
254 64.7 51.8 77.6
126 11.4 9.1 13.7





#83

Chrysene

Concen: 38.278 ng

RT: 21.695 min Scan# 3189

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

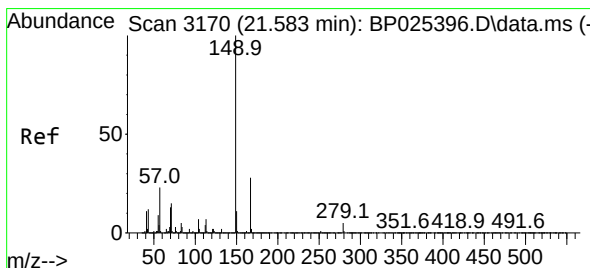
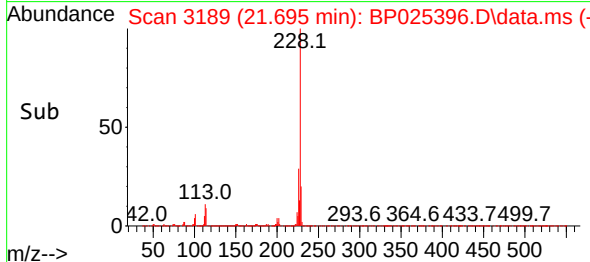
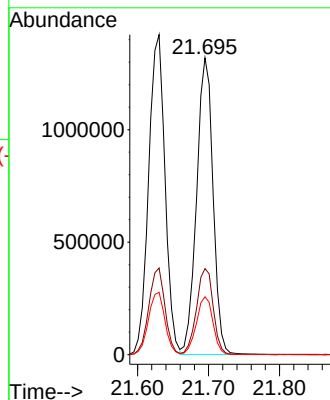
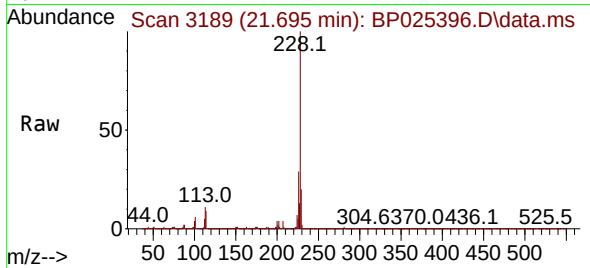
Tgt Ion:228 Resp: 2125866

Ion Ratio Lower Upper

228 100

226 29.0 23.2 34.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.310 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

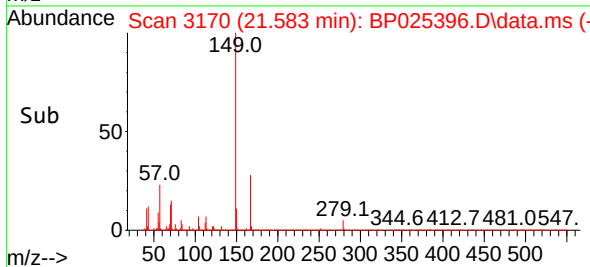
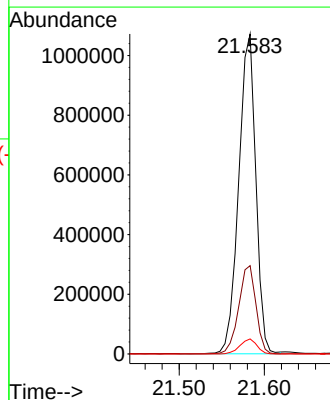
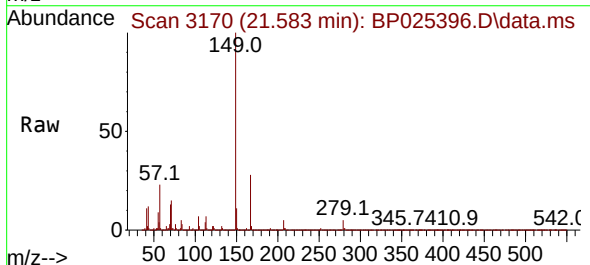
Tgt Ion:149 Resp: 1493804

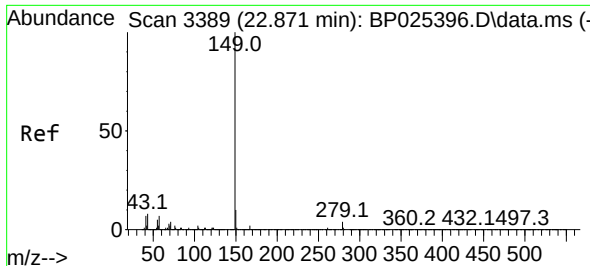
Ion Ratio Lower Upper

149 100

167 27.6 22.1 33.1

279 4.7 3.8 5.6

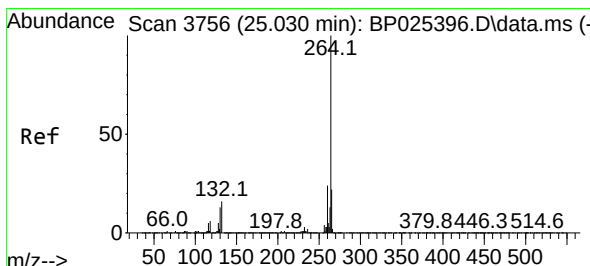
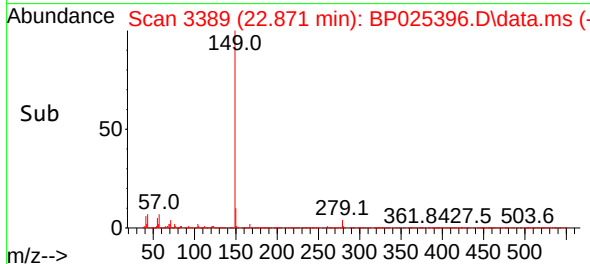
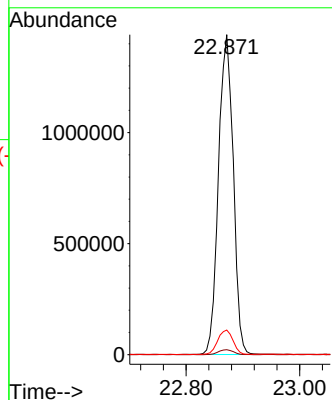
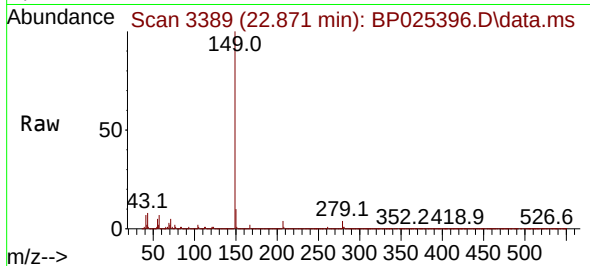




#85
Di-n-octyl phthalate
Concen: 38.730 ng
RT: 22.871 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

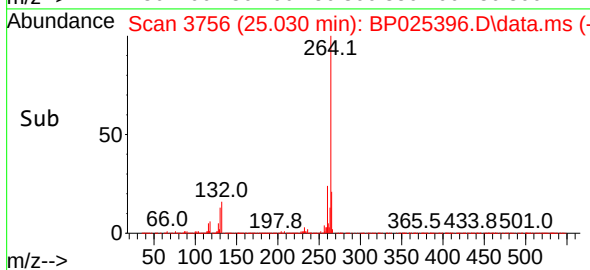
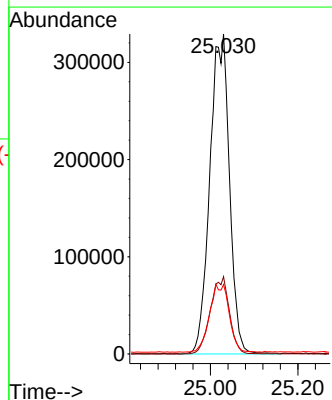
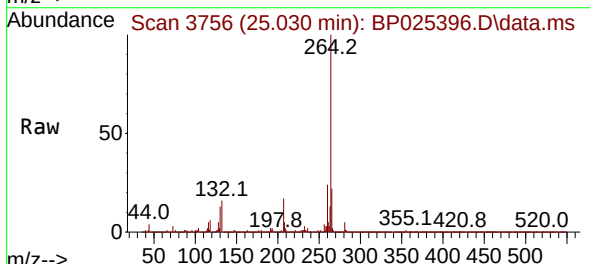
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BNA_P
ClientSampleId :
SSTDICCC040

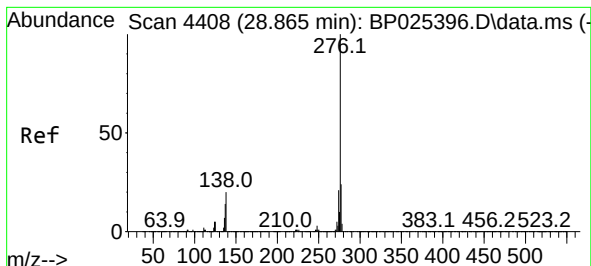
Tgt Ion:149 Resp: 2597558
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:264 Resp: 1022138
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 33.216 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

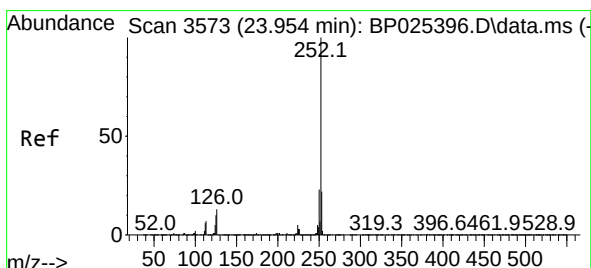
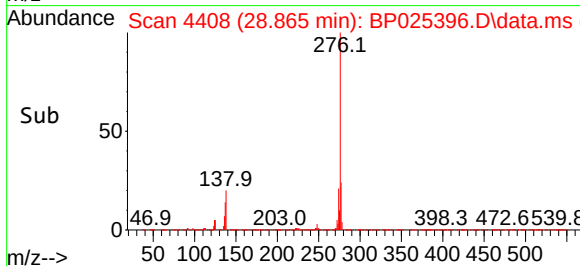
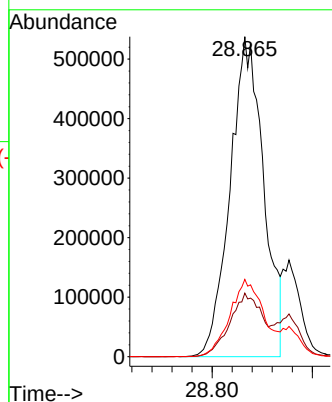
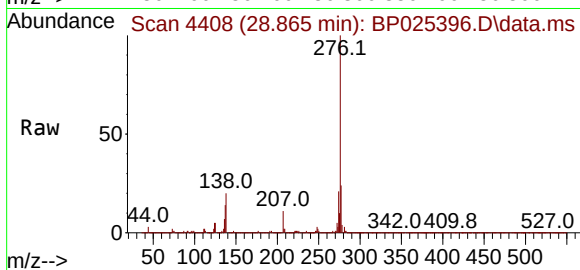
Tgt Ion:276 Resp: 2490737

Ion Ratio Lower Upper

276 100

138 18.7 12.9 19.3

277 24.7 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 38.462 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025396.D

Acq: 14 Aug 2025 15:19

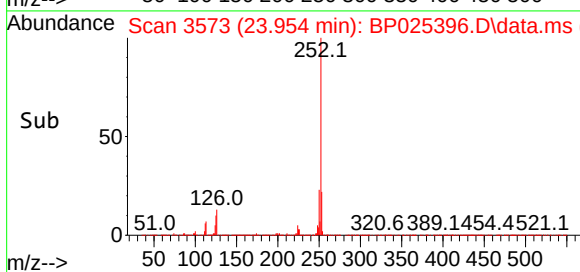
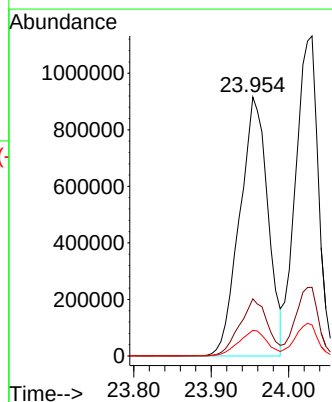
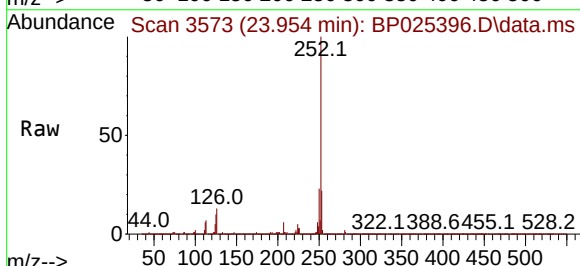
Tgt Ion:252 Resp: 2318198

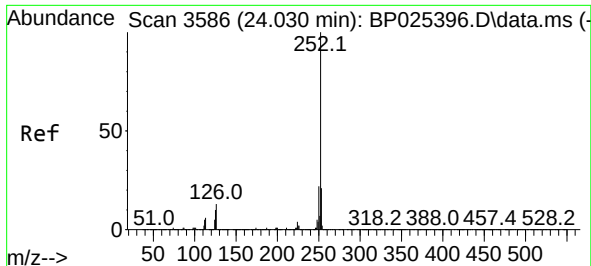
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.9 7.9 11.9

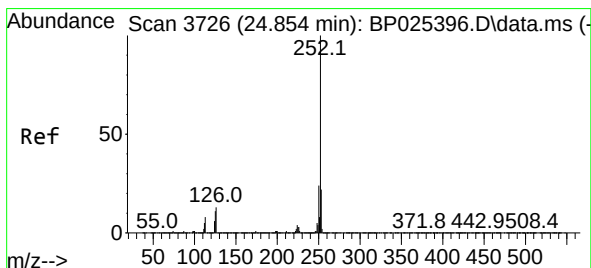
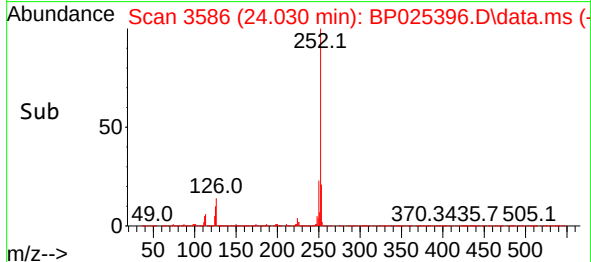
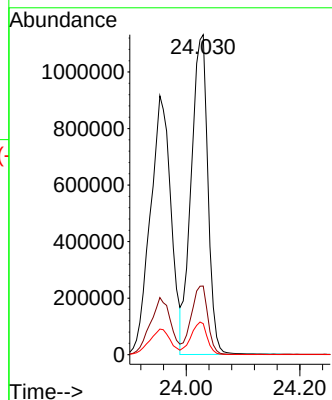
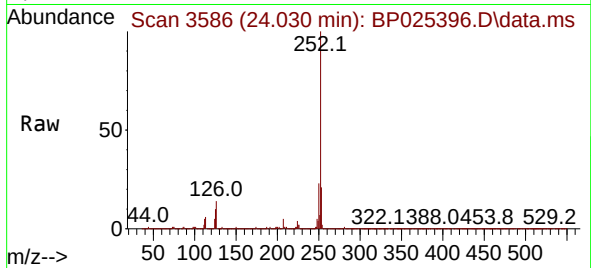




#89
Benzo(k)fluoranthene
Concen: 38.285 ng
RT: 24.030 min Scan# 3586
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

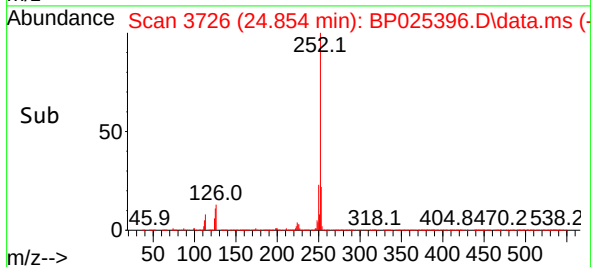
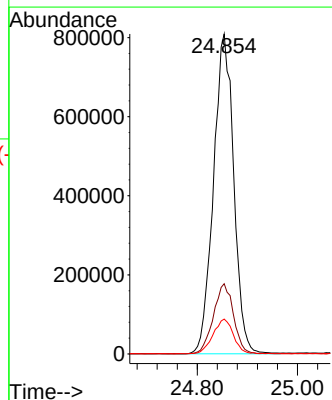
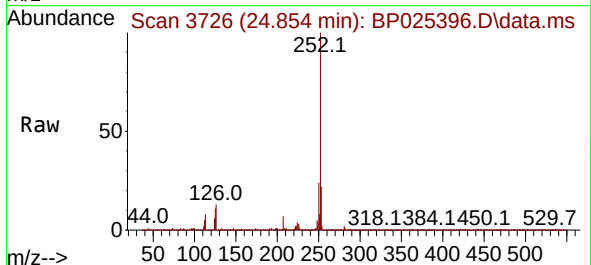
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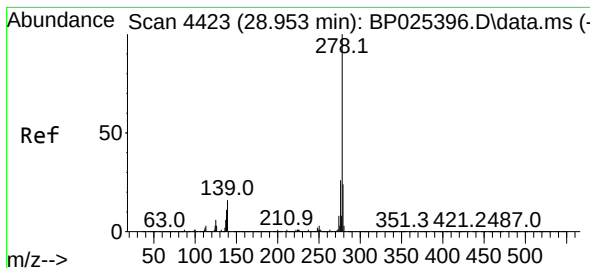
Tgt Ion:252 Resp: 2309091
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 9.7 7.8 11.6



#90
Benzo(a)pyrene
Concen: 38.620 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 2265862
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.9 8.7 13.1

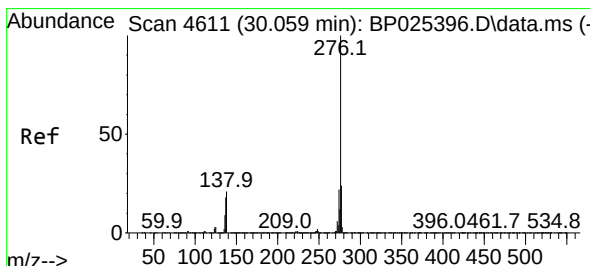
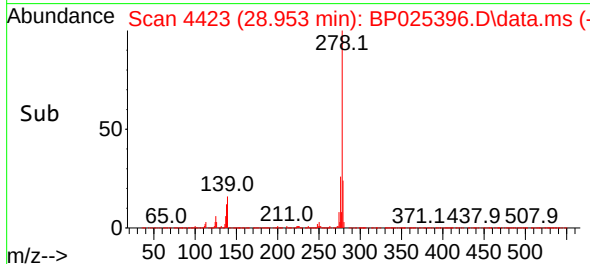
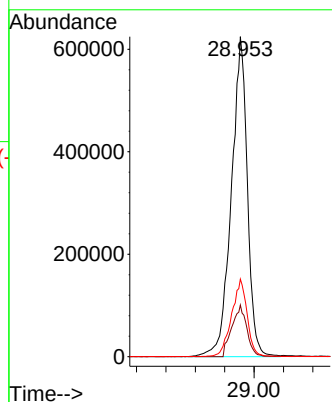
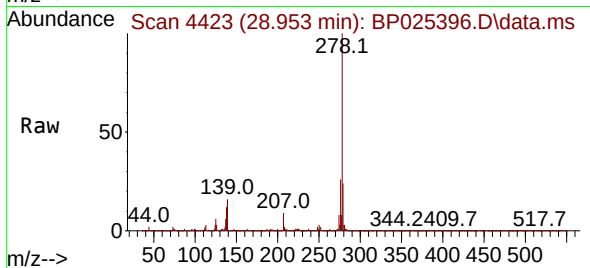




#91
Dibenzo(a,h)anthracene
Concen: 38.589 ng
RT: 28.953 min Scan# 4423
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

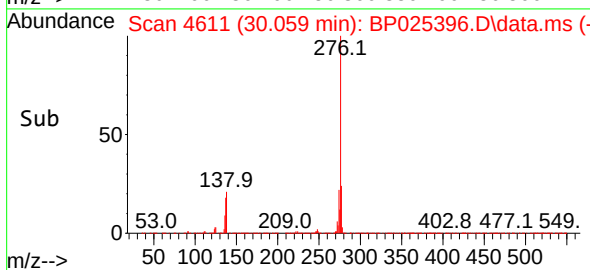
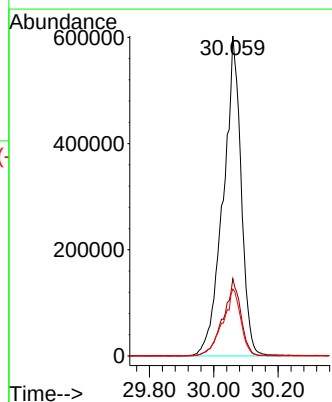
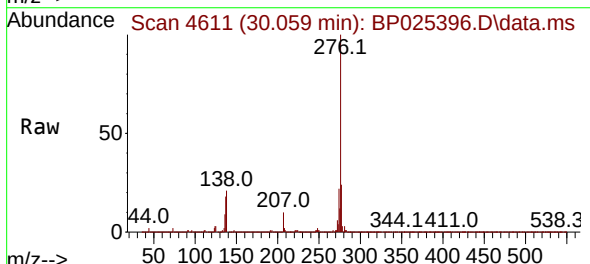
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 2363840
Ion Ratio Lower Upper
278 100
139 16.2 13.0 19.4
279 24.3 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 38.654 ng
RT: 30.059 min Scan# 4611
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:276 Resp: 2327292
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 20.9 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
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 Sample : SSTDICC050
 Misc :
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Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Quant Time: Aug 14 17:57:10 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137945	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	573916	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	376731	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	753705	20.000	ng	0.00
76) Chrysene-d12	21.648	240	801742	20.000	ng	0.00
86) Perylene-d12	25.036	264	918939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	855256	102.963	ng	0.00
7) Phenol-d6	6.966	99	1131869	106.283	ng	0.00
23) Nitrobenzene-d5	8.937	82	1201601	105.910	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	539295	106.352	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2856639	103.632	ng	0.00
79) Terphenyl-d14	19.925	244	4409094	100.615	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	165184	50.769	ng	98
3) Pyridine	3.725	79	454022	50.983	ng	97
4) n-Nitrosodimethylamine	3.631	42	192837	52.524	ng	99
6) Aniline	7.125	93	756782	52.743	ng	100
8) 2-Chlorophenol	7.366	128	492570	52.550	ng	99
9) Benzaldehyde	6.943	77	435174	58.325	ng	97
10) Phenol	6.996	94	588764	52.687	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	455697	52.320	ng	99
12) 1,3-Dichlorobenzene	7.684	146	536261	51.884	ng	99
13) 1,4-Dichlorobenzene	7.825	146	550541	52.113	ng	99
14) 1,2-Dichlorobenzene	8.143	146	528750	51.705	ng	99
15) Benzyl Alcohol	8.025	79	443889	52.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	603716	51.742	ng	99
17) 2-Methylphenol	8.225	107	412974	53.211	ng	98
18) Hexachloroethane	8.866	117	202672	52.178	ng	96
19) n-Nitroso-di-n-propyla...	8.590	70	363151	51.419	ng	98
20) 3+4-Methylphenols	8.549	107	565208	52.538	ng	99
22) Acetophenone	8.602	105	750308	52.131	ng	100
24) Nitrobenzene	8.978	77	537647	53.024	ng	98
25) Isophorone	9.502	82	1047736	52.182	ng	99
26) 2-Nitrophenol	9.678	139	282682	54.323	ng	98
27) 2,4-Dimethylphenol	9.737	122	481502	53.806	ng	97
28) bis(2-Chloroethoxy)met...	9.972	93	630027	51.909	ng	99
29) 2,4-Dichlorophenol	10.213	162	475406	53.478	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	507724	52.101	ng	99
31) Naphthalene	10.607	128	1560240	52.305	ng	100
32) Benzoic acid	9.884	122	357706	54.274	ng	96
33) 4-Chloroaniline	10.713	127	705562	53.548	ng	99
34) Hexachlorobutadiene	10.902	225	312163	51.436	ng	98
35) Caprolactam	11.502	113	172663	52.969	ng	94
36) 4-Chloro-3-methylphenol	11.843	107	534583	52.407	ng	100
37) 2-Methylnaphthalene	12.219	142	1003813	51.710	ng	99
38) 1-Methylnaphthalene	12.443	142	1076949	52.167	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	574152	52.769	ng	99
41) Hexachlorocyclopentadiene	12.572	237	364047	55.392	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	396440	53.971	ng	99

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 Acq On : 14 Aug 2025 16:01
 Operator : CG/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

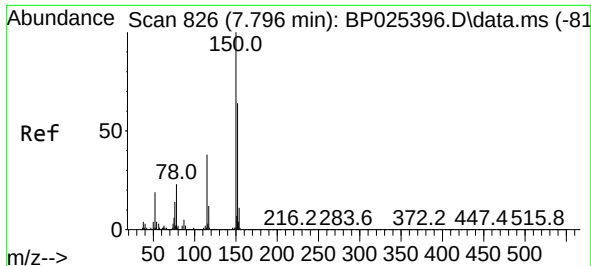
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Quant Time: Aug 14 17:57:10 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	430061	53.421	ng	99
46) 1,1'-Biphenyl	13.231	154	1447968	52.922	ng	99
47) 2-Chloronaphthalene	13.272	162	1114922	52.344	ng	99
48) 2-Nitroaniline	13.472	65	338939	54.613	ng	98
49) Acenaphthylene	14.125	152	1875998	53.227	ng	100
50) Dimethylphthalate	13.860	163	1424127	51.622	ng	100
51) 2,6-Dinitrotoluene	13.966	165	312149	53.683	ng	97
52) Acenaphthene	14.472	154	1087721	52.577	ng	98
53) 3-Nitroaniline	14.301	138	362030	55.339	ng	99
54) 2,4-Dinitrophenol	14.507	184	175453	56.503	ng	98
55) Dibenzofuran	14.813	168	1705630	52.147	ng	99
56) 4-Nitrophenol	14.619	139	296227	55.103	ng	98
57) 2,4-Dinitrotoluene	14.766	165	450923	54.354	ng	97
58) Fluorene	15.466	166	1332448	51.627	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.043	232	378743	53.281	ng	99
60) Diethylphthalate	15.243	149	1450033	51.728	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	650101	50.647	ng	99
62) 4-Nitroaniline	15.478	138	364030	54.278	ng	99
63) Azobenzene	15.760	77	1262576	52.602	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	262126	55.792	ng	98
66) n-Nitrosodiphenylamine	15.678	169	1195077	51.997	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	433740	52.325	ng	99
68) Hexachlorobenzene	16.495	284	497906	51.816	ng	97
69) Atrazine	16.654	200	451704	52.479	ng	98
70) Pentachlorophenol	16.842	266	332839	54.872	ng	97
71) Phenanthrene	17.248	178	2139431	51.673	ng	100
72) Anthracene	17.337	178	2214911	52.385	ng	100
73) Carbazole	17.613	167	2093175	52.559	ng	99
74) Di-n-butylphthalate	18.213	149	2589522	52.849	ng	99
75) Fluoranthene	19.325	202	2563702	51.910	ng	99
77) Benzidine	19.513	184	1330198	48.615	ng	99
78) Pyrene	19.701	202	2644850	50.754	ng	100
80) Butylbenzylphthalate	20.660	149	1231376	52.139	ng	98
81) Benzo(a)anthracene	21.630	228	2723006	51.499	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	1043476	52.357	ng	99
83) Chrysene	21.701	228	2565856	51.817	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	1805478	51.933	ng	100
85) Di-n-octyl phthalate	22.877	149	3150824	52.690	ng	100
87) Indeno(1,2,3-cd)pyrene	28.859	276	1446981	21.464	ng #	92
88) Benzo(b)fluoranthene	23.960	252	2870971	52.982	ng	100
89) Benzo(k)fluoranthene	24.042	252	2817276	51.956	ng	99
90) Benzo(a)pyrene	24.877	252	2800880	53.100	ng	99
91) Dibenzo(a,h)anthracene	28.965	278	2962622	53.795	ng	98
92) Benzo(g,h,i)perylene	30.053	276	1840881	34.009	ng	99

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

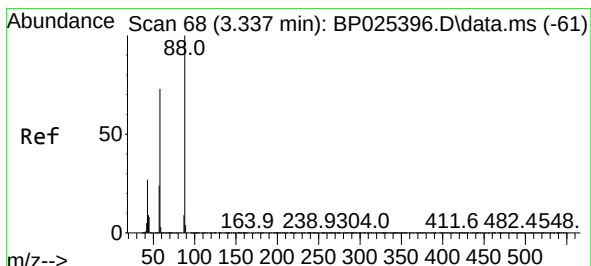
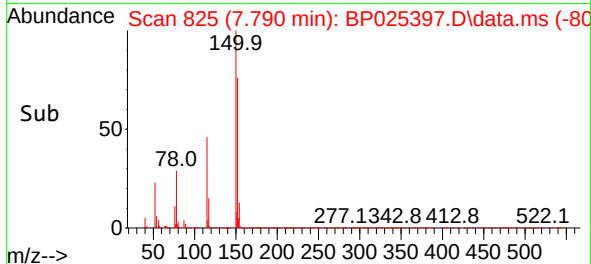
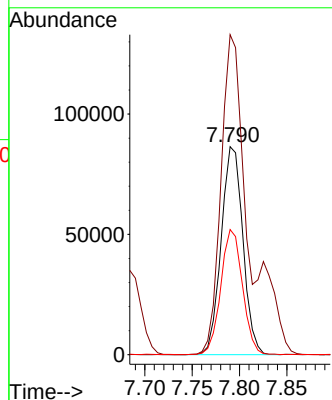
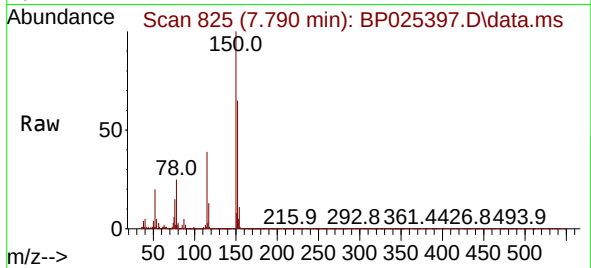
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

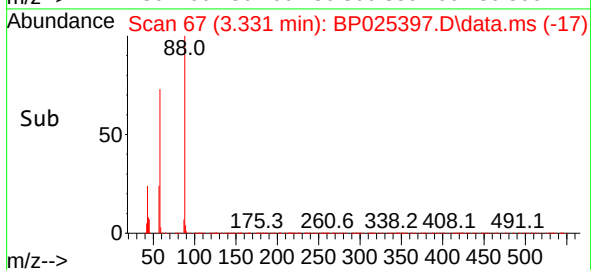
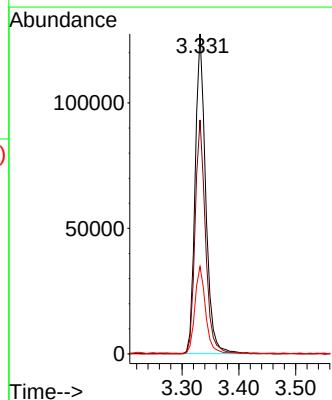
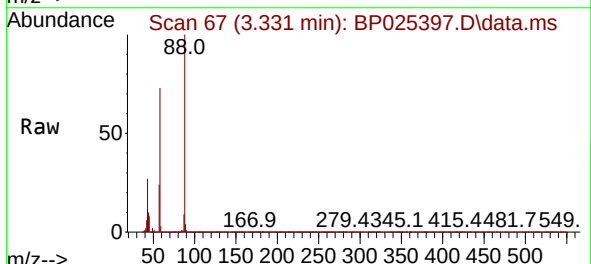
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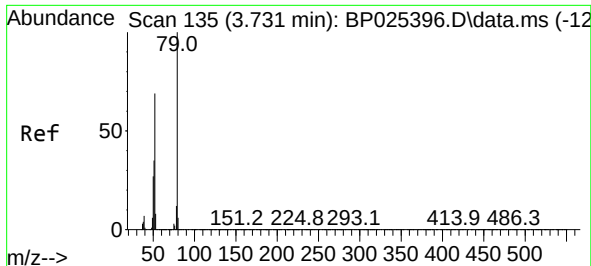
Tgt Ion:152 Resp: 137945
Ion Ratio Lower Upper
152 100
150 153.9 125.9 188.9
115 60.2 48.5 72.7



#2
1,4-Dioxane
Concen: 50.769 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 88 Resp: 165184
Ion Ratio Lower Upper
88 100
58 72.6 59.2 88.8
43 27.8 21.7 32.5

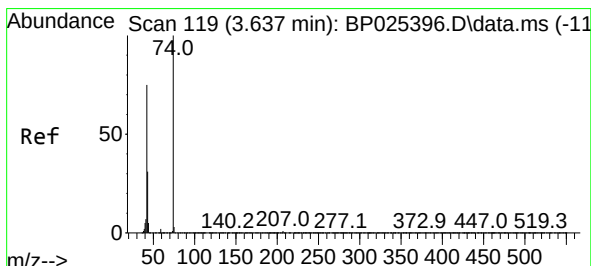
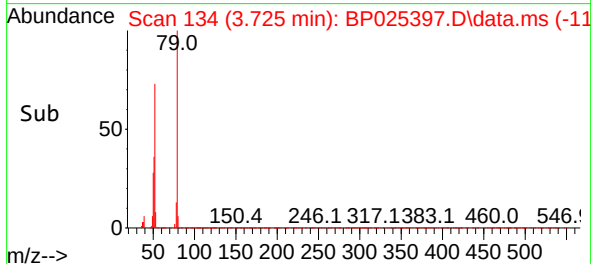
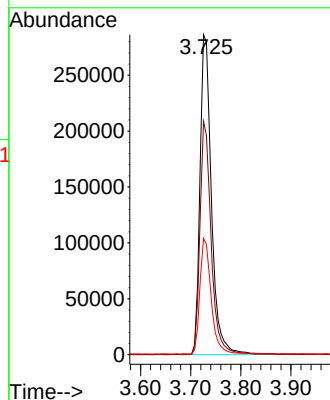
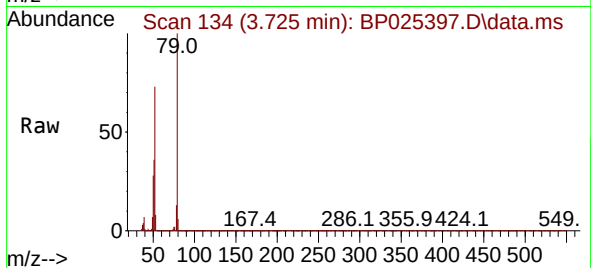




#3
Pyridine
Concen: 50.983 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

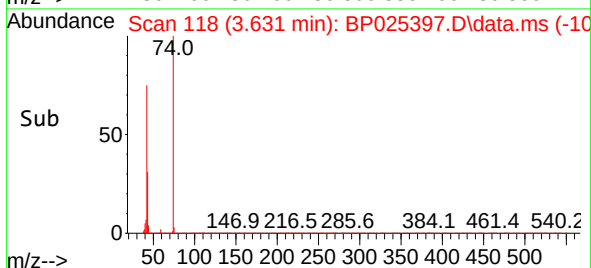
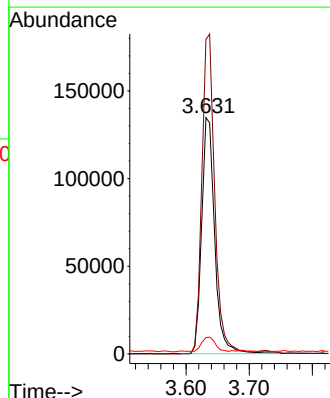
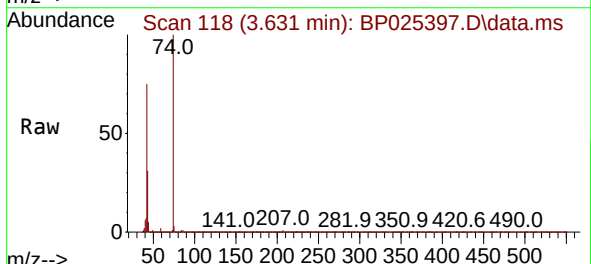
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ClientSampleId :
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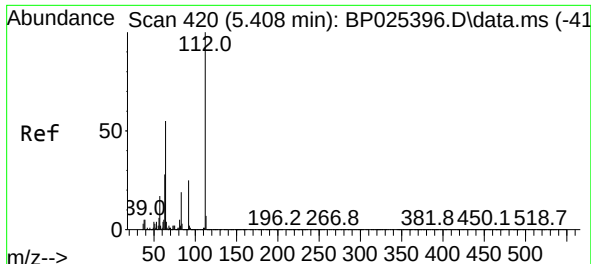
Tgt Ion: 79 Resp: 454022
Ion Ratio Lower Upper
79 100
52 72.9 55.5 83.3
51 36.3 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 52.524 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 42 Resp: 192837
Ion Ratio Lower Upper
42 100
74 133.0 107.0 160.4
44 6.9 6.2 9.4

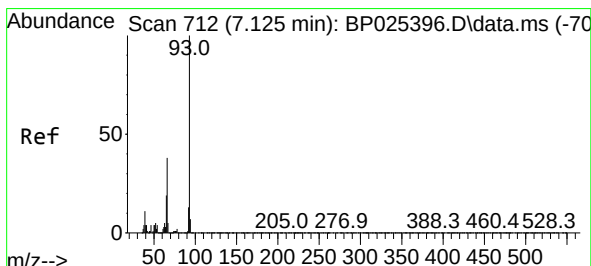
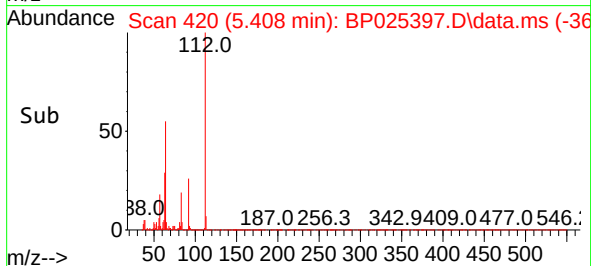
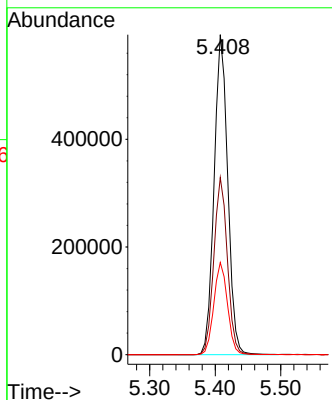
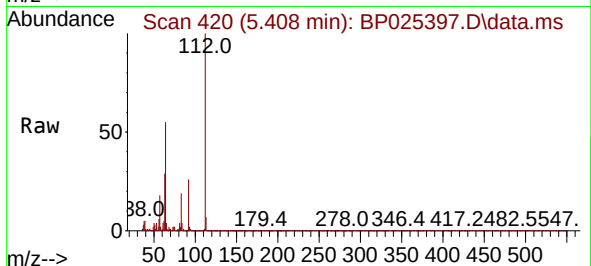




#5
2-Fluorophenol
Concen: 102.963 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

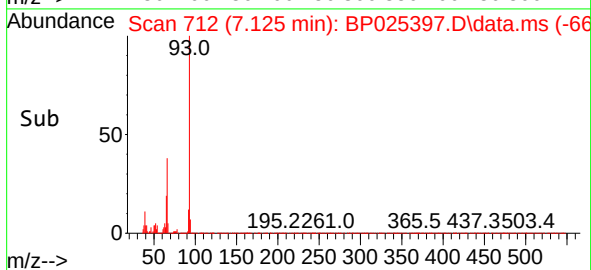
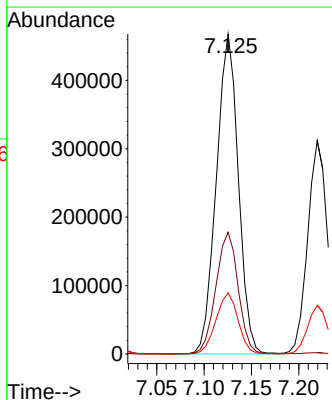
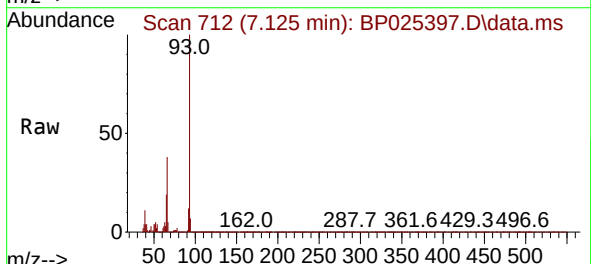
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ClientSampleId :
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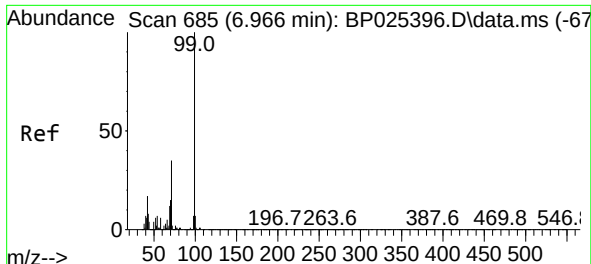
Tgt Ion:112 Resp: 855256
Ion Ratio Lower Upper
112 100
64 55.4 43.8 65.8
63 28.8 22.7 34.1



#6
Aniline
Concen: 52.743 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 756782
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 19.1 15.3 22.9

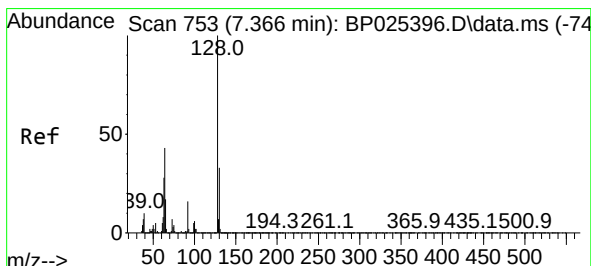
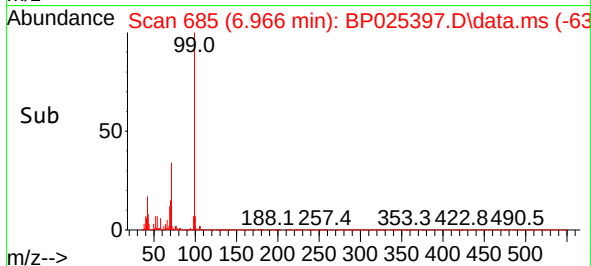
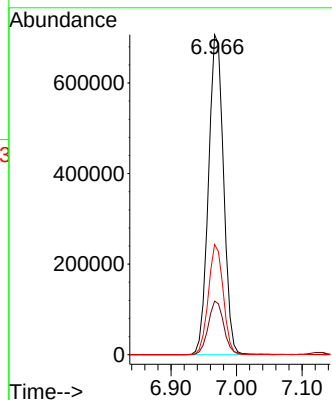
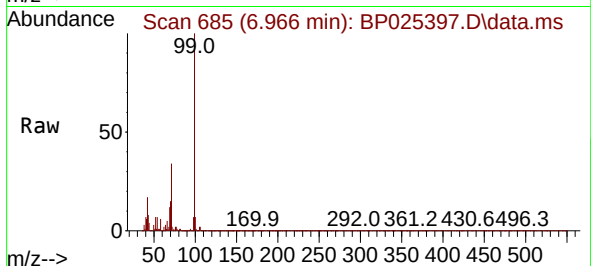




#7
Phenol-d6
Concen: 106.283 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

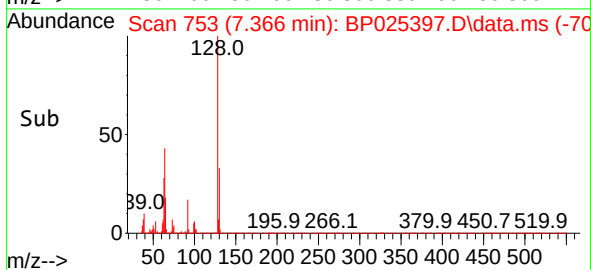
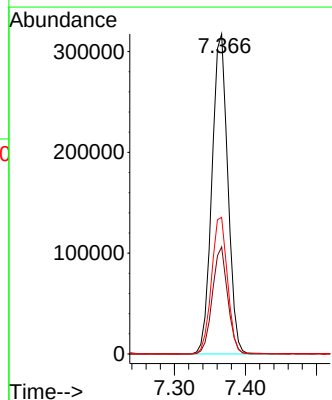
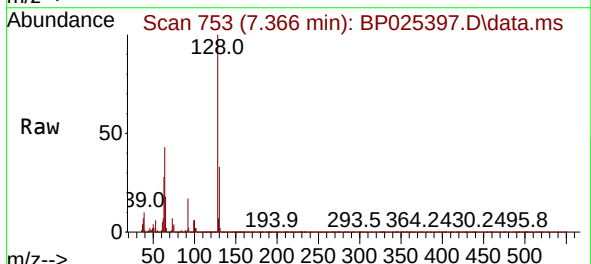
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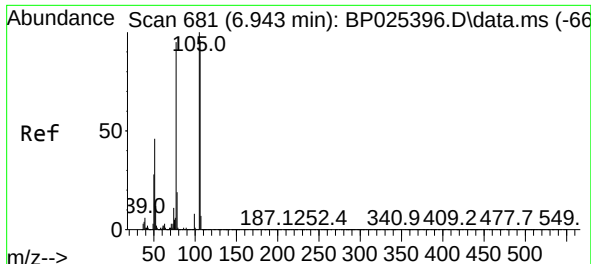
Tgt Ion: 99 Resp: 1131869
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 34.4 28.2 42.4



#8
2-Chlorophenol
Concen: 52.550 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:128 Resp: 492570
Ion Ratio Lower Upper
128 100
130 33.4 12.6 52.6
64 42.7 23.4 63.4

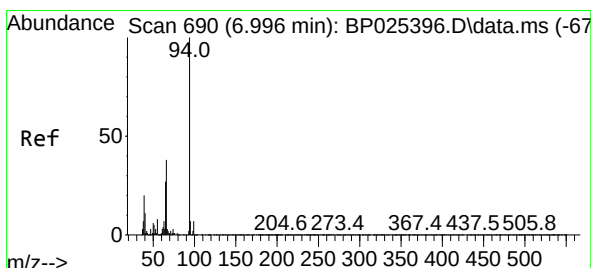
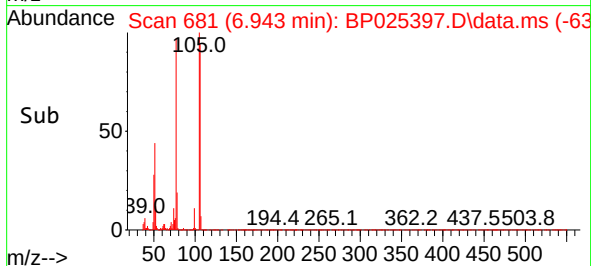
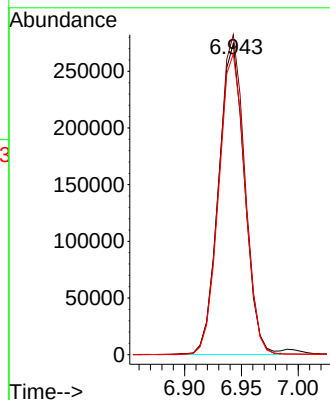
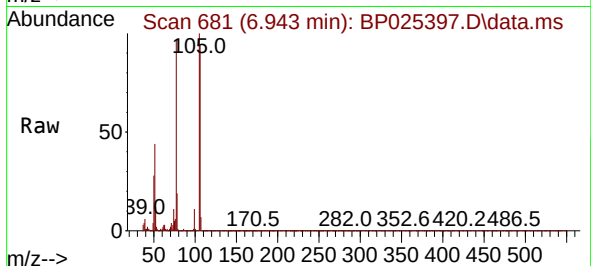




#9
Benzaldehyde
Concen: 58.325 ng
RT: 6.943 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

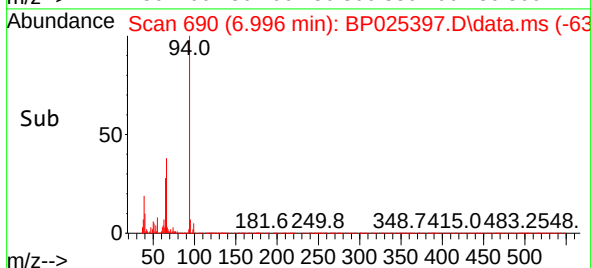
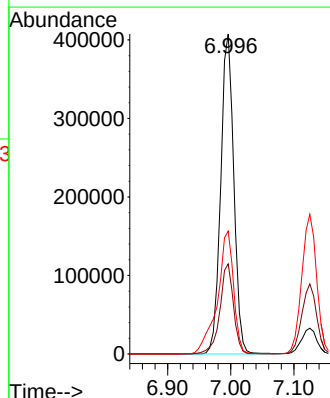
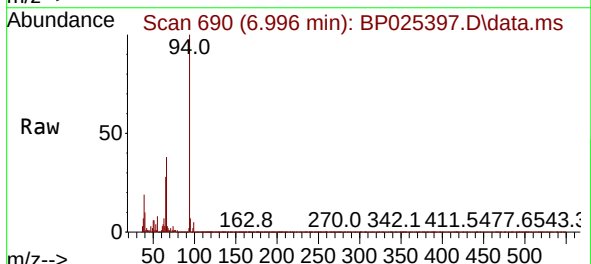
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BNA_P
ClientSampleId :
SSTDICC050

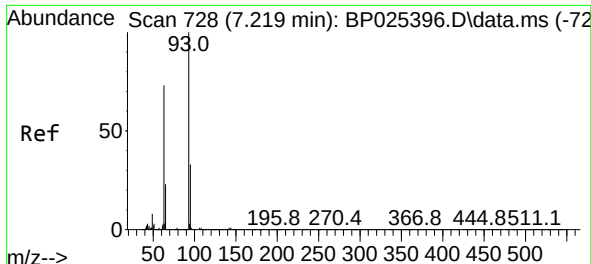
Tgt Ion: 77 Resp: 435174
Ion Ratio Lower Upper
77 100
105 102.9 84.8 124.8
106 96.7 80.5 120.5



#10
Phenol
Concen: 52.687 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 94 Resp: 588764
Ion Ratio Lower Upper
94 100
65 28.1 6.8 46.8
66 38.4 18.2 58.2

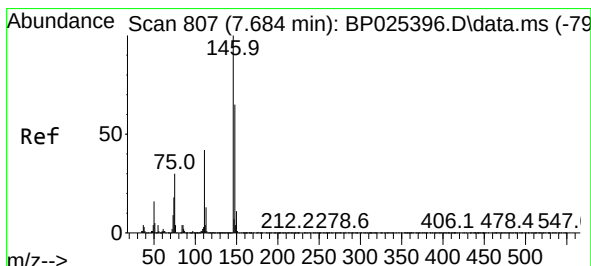
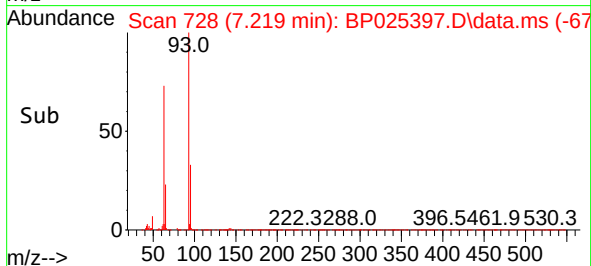
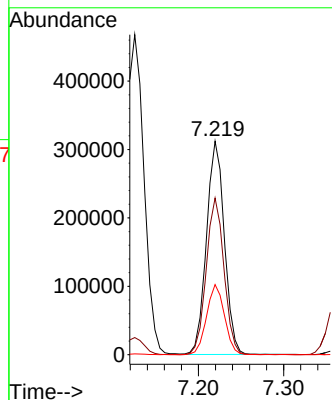
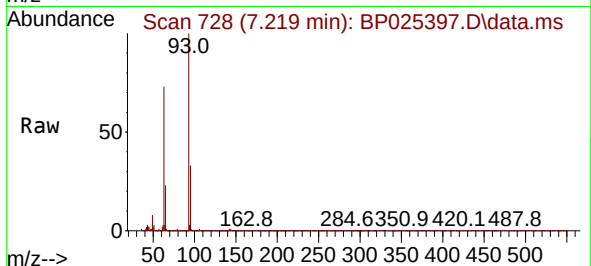




#11
 bis(2-Chloroethyl)ether
 Concen: 52.320 ng
 RT: 7.219 min Scan# 728
 Delta R.T. 0.000 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

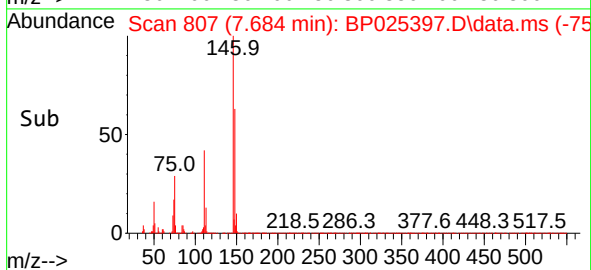
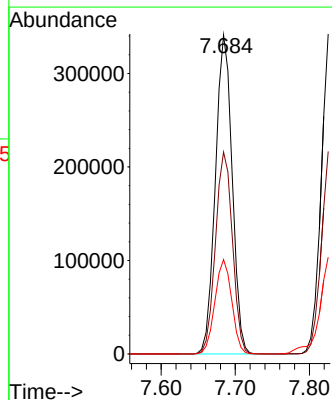
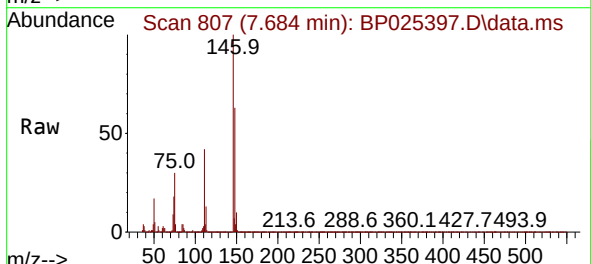
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

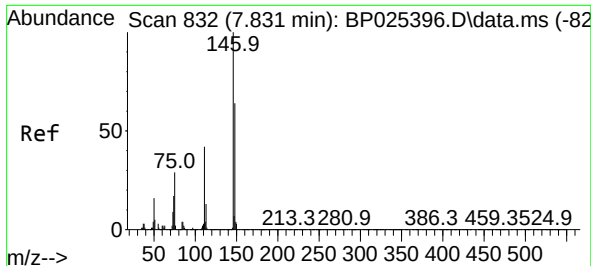
Tgt Ion: 93 Resp: 455697
 Ion Ratio Lower Upper
 93 100
 63 73.4 52.6 92.6
 95 32.9 12.7 52.7



#12
 1,3-Dichlorobenzene
 Concen: 51.884 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

Tgt Ion: 146 Resp: 536261
 Ion Ratio Lower Upper
 146 100
 148 63.3 51.9 77.9
 75 29.6 23.7 35.5

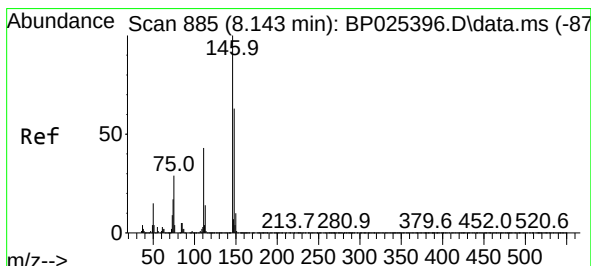
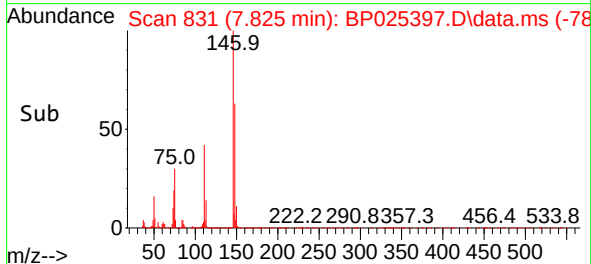
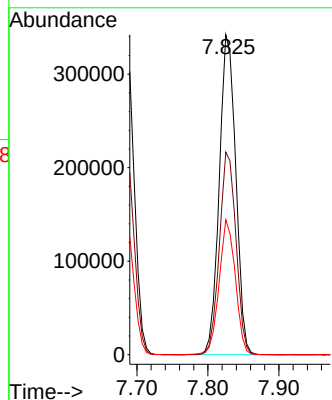
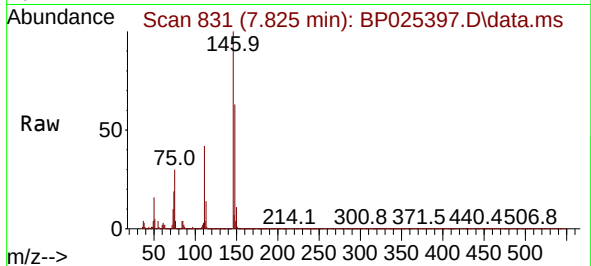




#13
1,4-Dichlorobenzene
Concen: 52.113 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

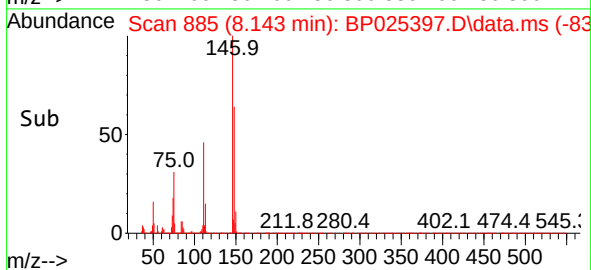
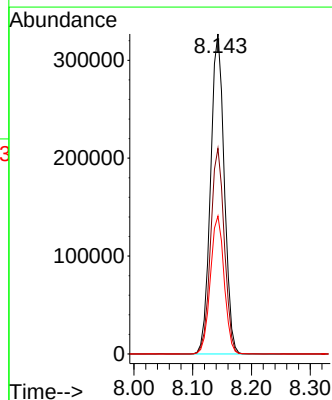
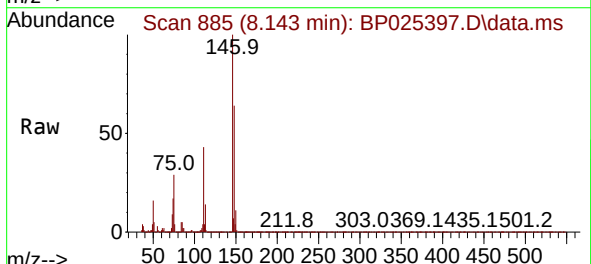
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

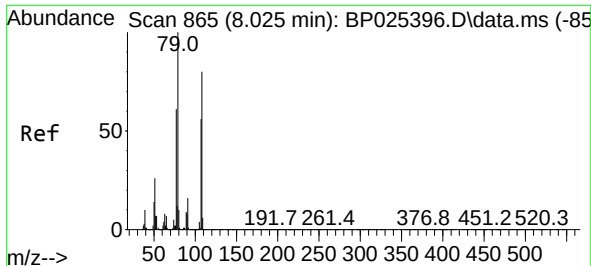
Tgt Ion:146 Resp: 550541
Ion Ratio Lower Upper
146 100
148 63.3 51.6 77.4
111 42.2 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 51.705 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:146 Resp: 528750
Ion Ratio Lower Upper
146 100
148 64.3 50.4 75.6
111 43.1 34.5 51.7

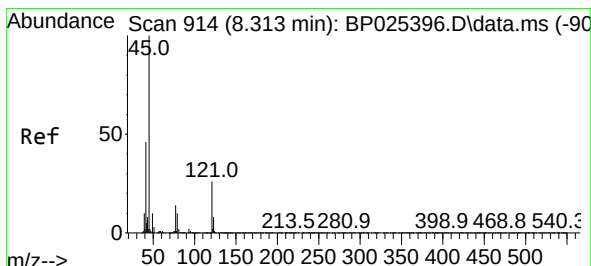
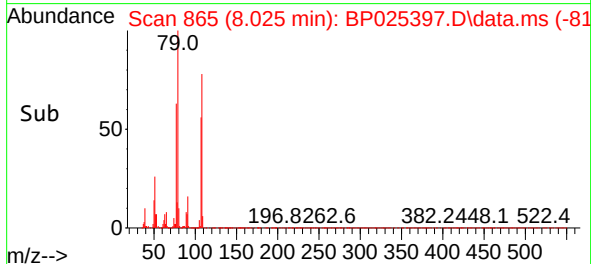
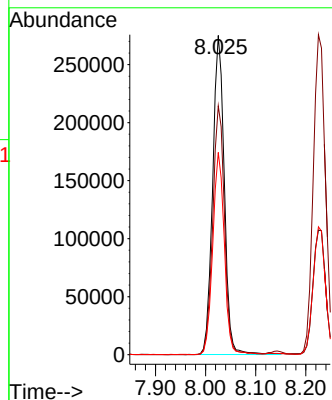
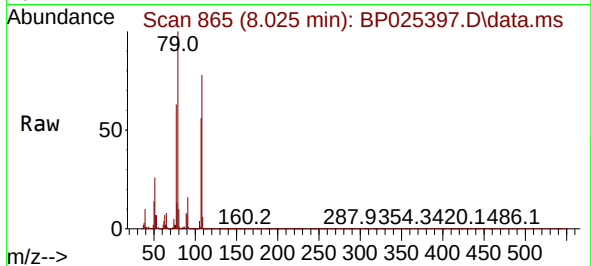




#15
Benzyl Alcohol
Concen: 52.458 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

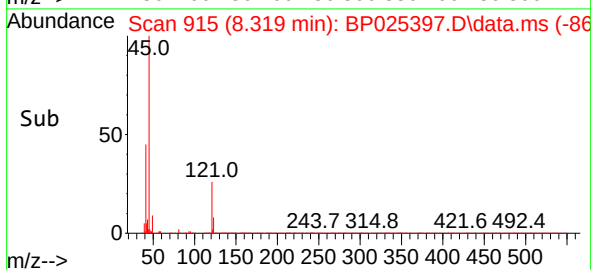
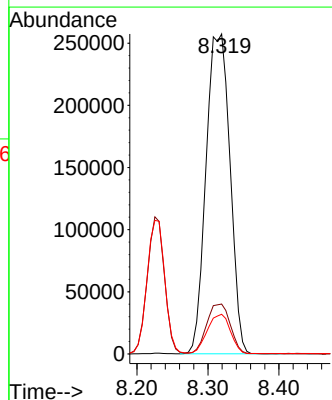
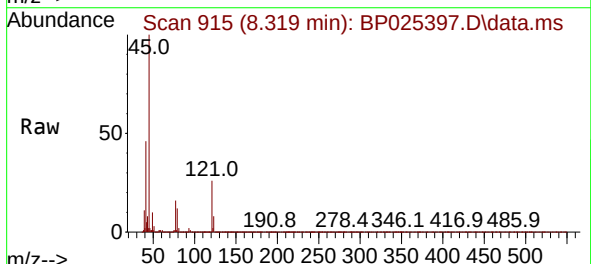
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

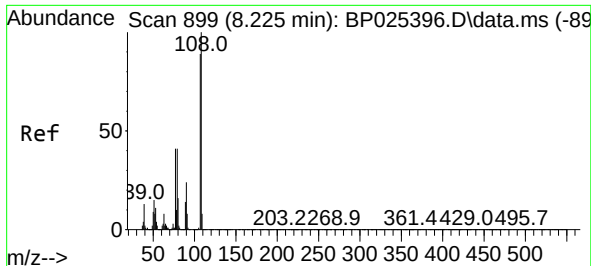
Tgt Ion: 79 Resp: 443889
Ion Ratio Lower Upper
79 100
108 77.9 63.8 95.6
77 63.4 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.742 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 45 Resp: 603716
Ion Ratio Lower Upper
45 100
77 15.6 0.0 35.3
79 12.4 0.0 31.8

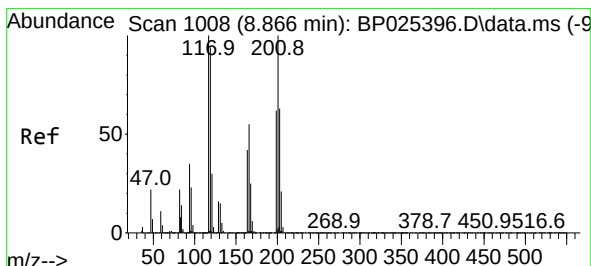
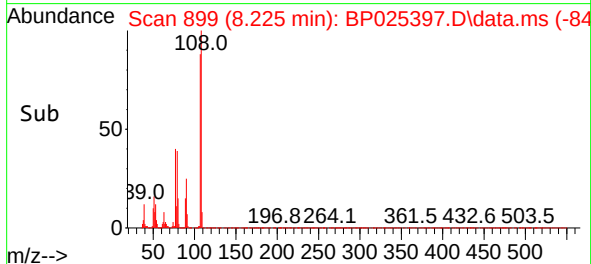
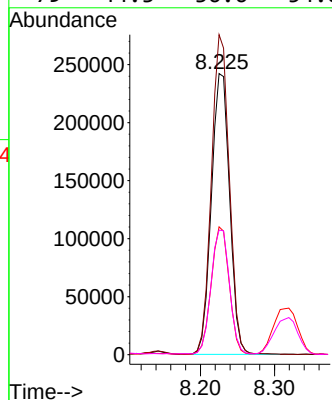
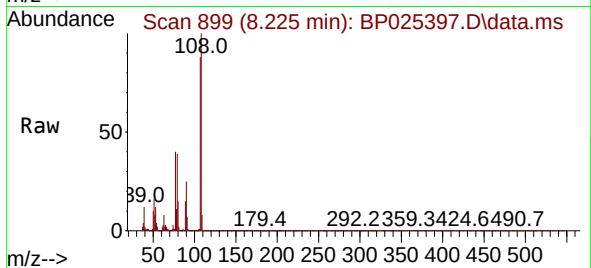




#17
2-Methylphenol
Concen: 53.211 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

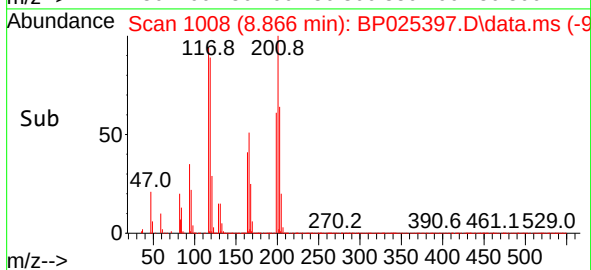
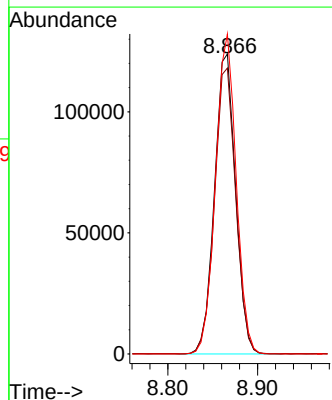
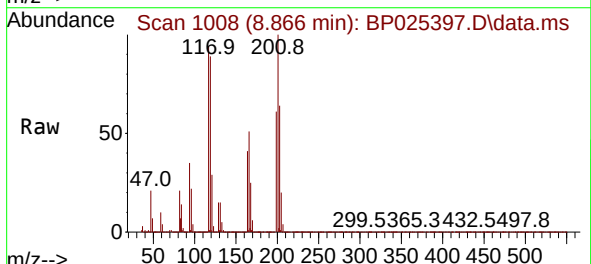
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

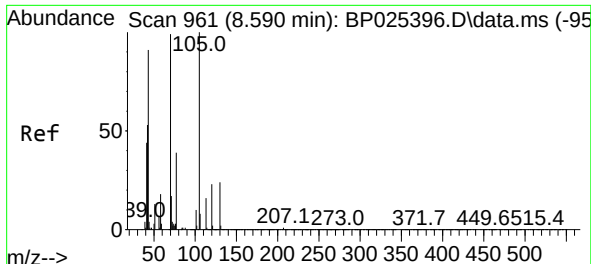
Tgt Ion:	107	Resp:	412974
Ion	Ratio	Lower	Upper
107	100		
108	113.8	89.4	134.0
77	45.5	36.3	54.5
79	44.3	36.6	54.8



#18
Hexachloroethane
Concen: 52.178 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:	117	Resp:	202672
Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
201	106.7	80.1	120.1



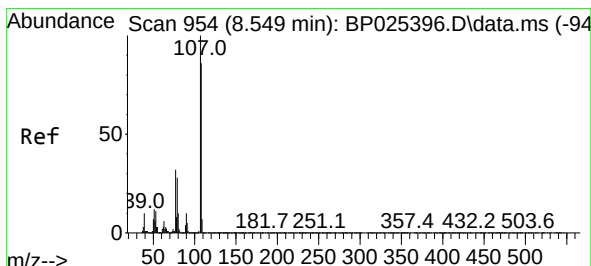
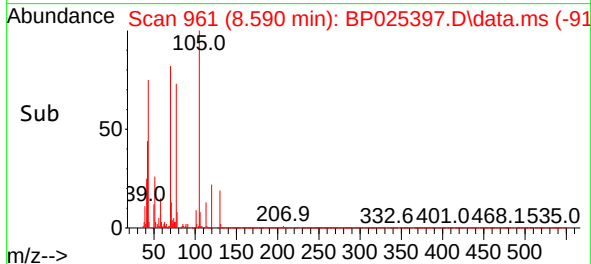
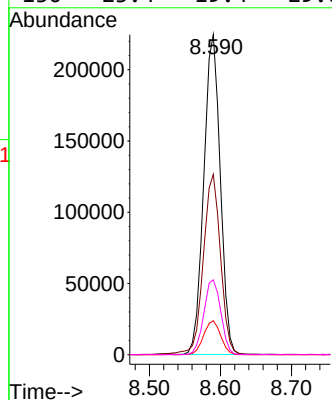
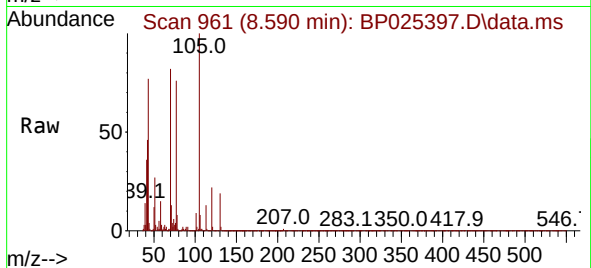


#19
n-Nitroso-di-n-propylamine
Concen: 51.419 ng
RT: 8.590 min Scan# 961
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 363151

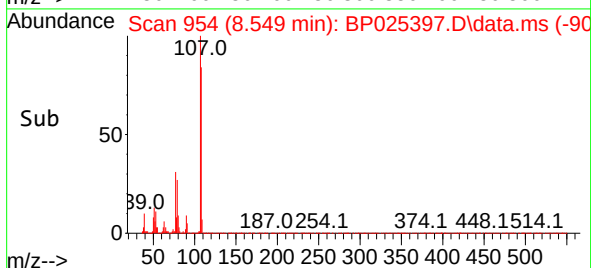
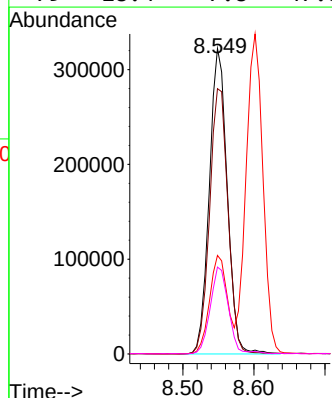
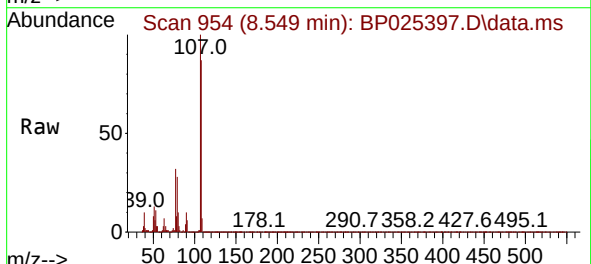
Ion	Ratio	Lower	Upper
70	100		
42	56.4	43.8	65.6
101	10.6	8.5	12.7
130	23.4	19.4	29.0

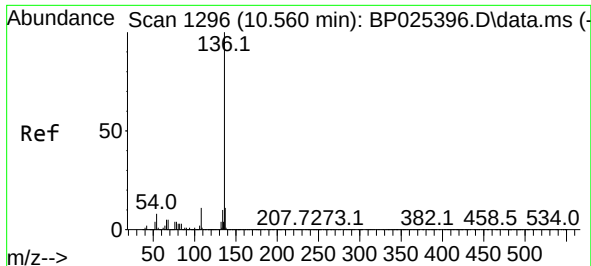


#20
3+4-Methylphenols
Concen: 52.538 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 107 Resp: 565208

Ion	Ratio	Lower	Upper
107	100		
108	86.8	66.3	106.3
77	32.2	12.3	52.3
79	28.4	7.8	47.8

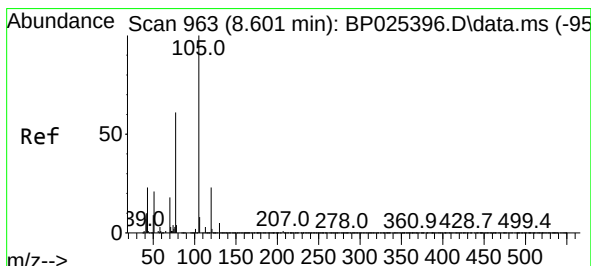
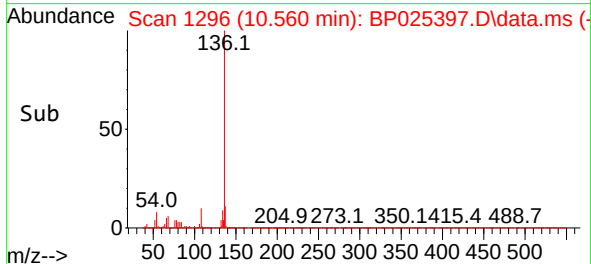
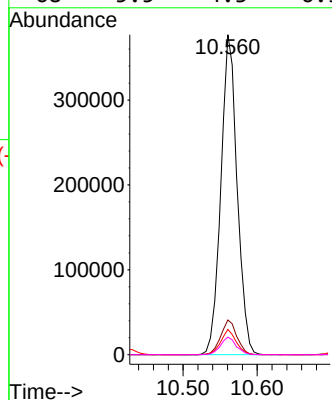
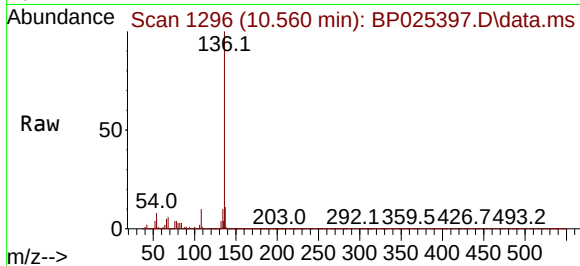




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

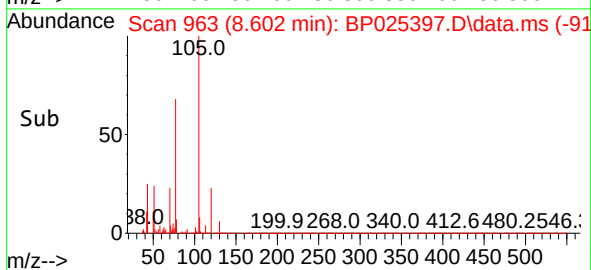
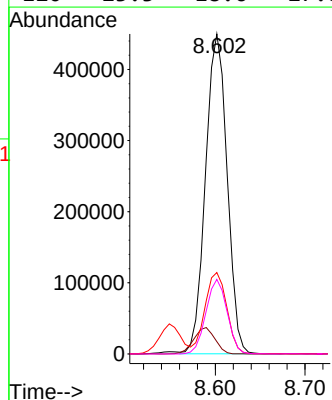
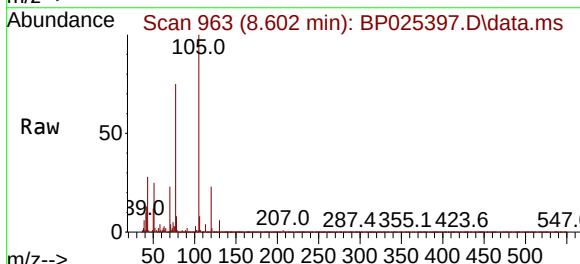
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

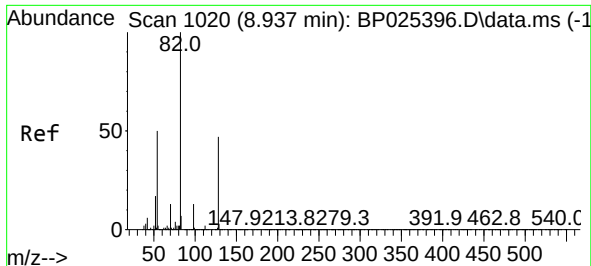
Tgt Ion:	136	Resp:	573916
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.9	6.0	9.0
68	5.5	4.3	6.5



#22
Acetophenone
Concen: 52.131 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:	105	Resp:	750308
Ion	Ratio	Lower	Upper
105	100		
71	3.9	2.6	4.0
51	25.5	20.6	30.8
120	23.3	18.6	27.8

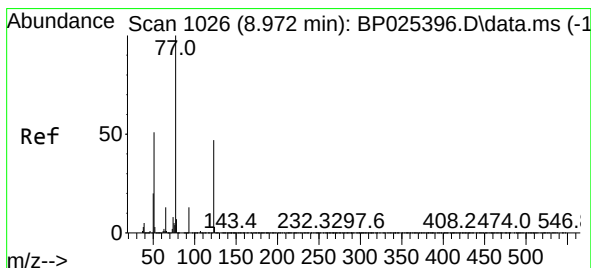
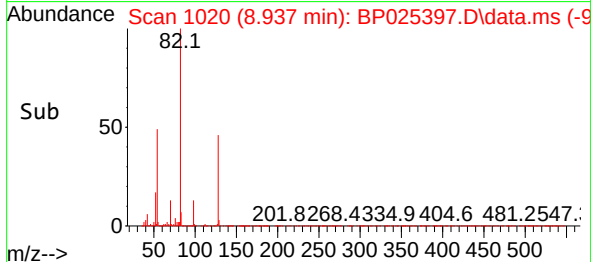
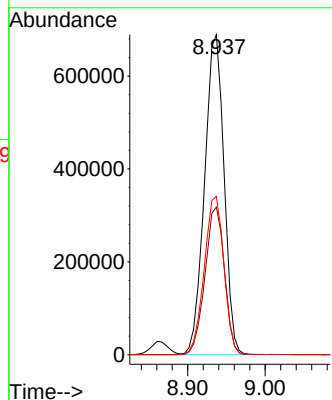
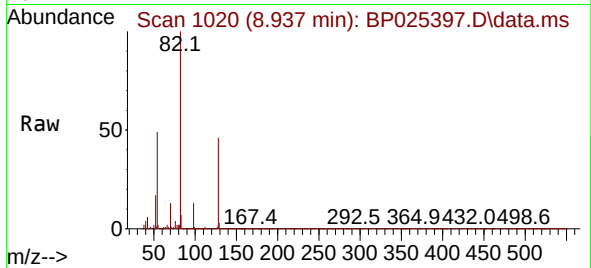




#23
Nitrobenzene-d5
Concen: 105.910 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

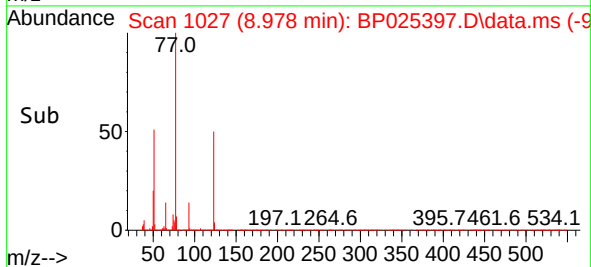
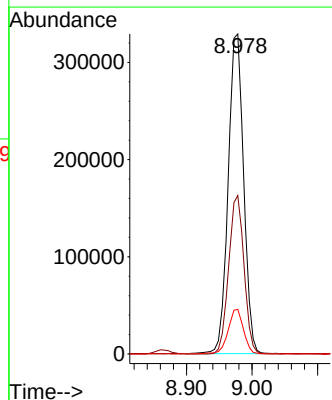
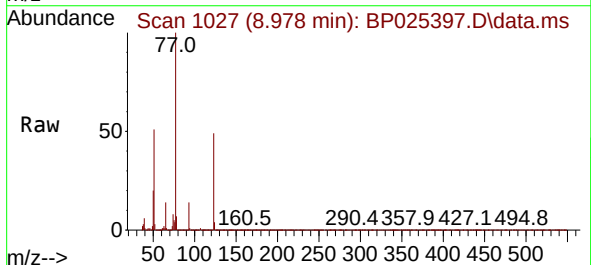
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

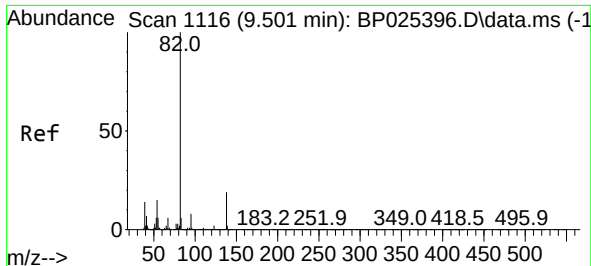
Tgt Ion: 82 Resp: 1201601
Ion Ratio Lower Upper
82 100
128 46.2 37.7 56.5
54 49.4 39.8 59.6



#24
Nitrobenzene
Concen: 53.024 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 77 Resp: 537647
Ion Ratio Lower Upper
77 100
123 49.5 38.6 58.0
65 13.9 10.6 15.8

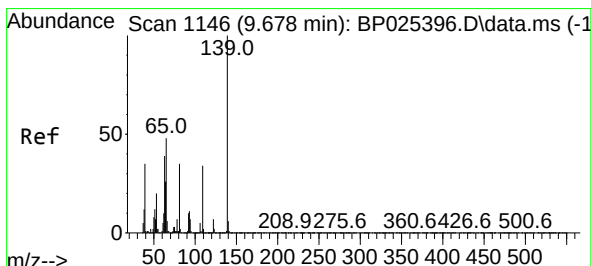
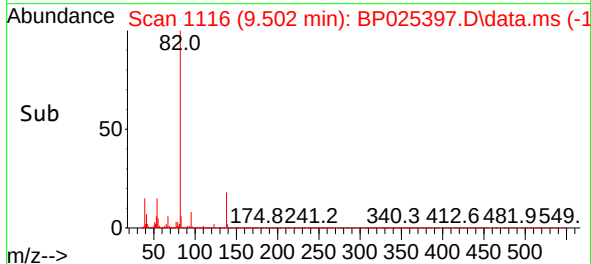
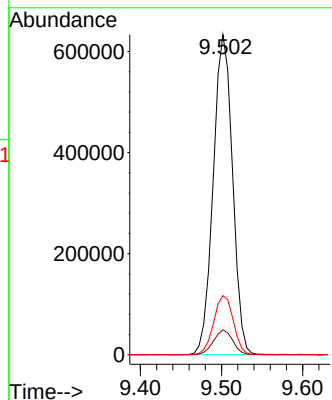
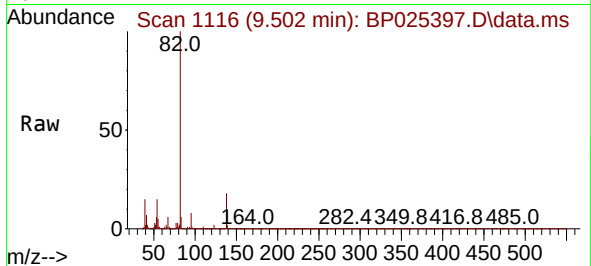




#25
Isophorone
Concen: 52.182 ng
RT: 9.502 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

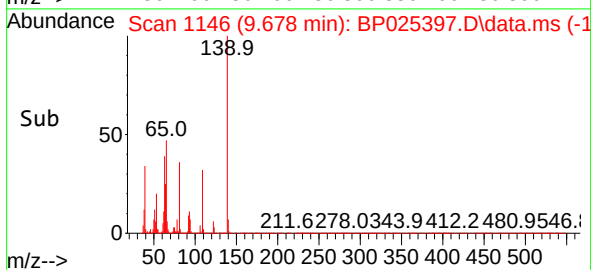
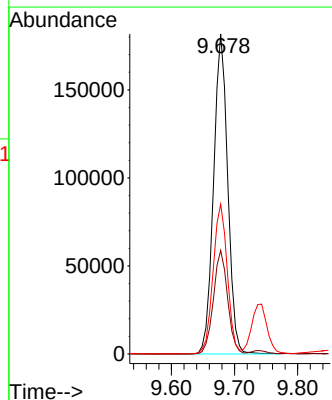
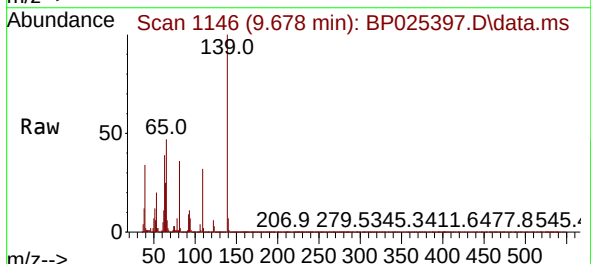
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

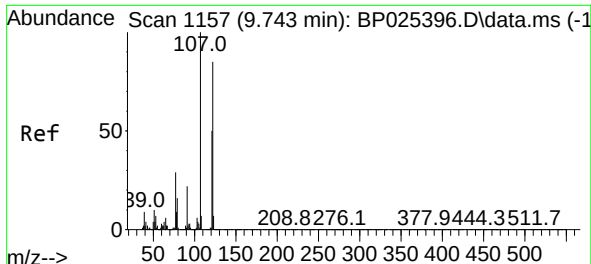
Tgt Ion: 82 Resp: 1047736
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 18.5 15.4 23.0



#26
2-Nitrophenol
Concen: 54.323 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 139 Resp: 282682
Ion Ratio Lower Upper
139 100
109 32.3 26.9 40.3
65 46.8 38.3 57.5

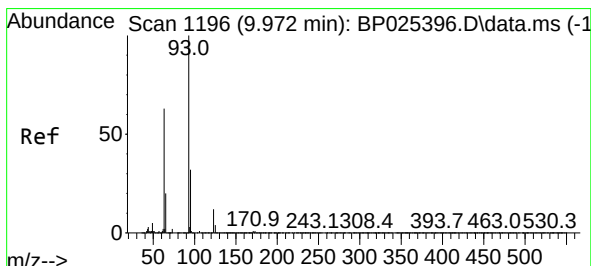
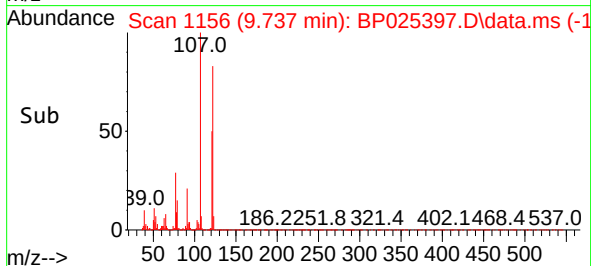
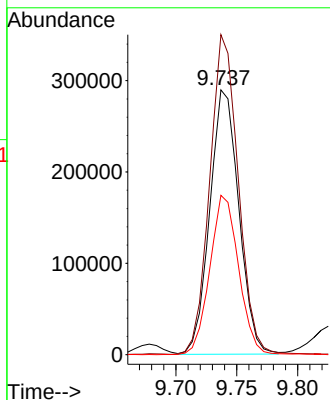
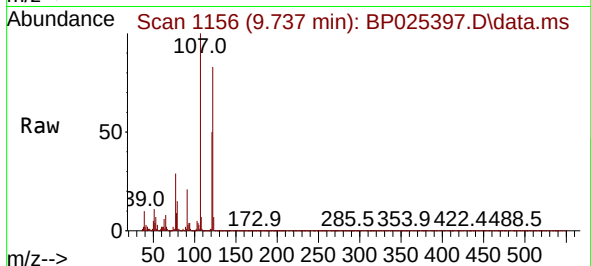




#27
2,4-Dimethylphenol
Concen: 53.806 ng
RT: 9.737 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

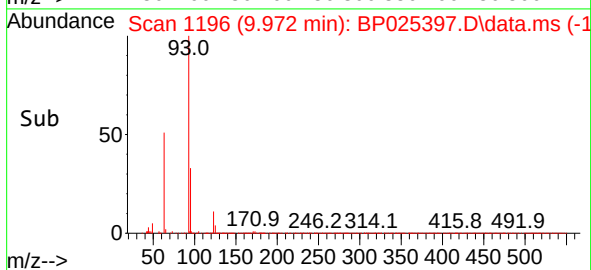
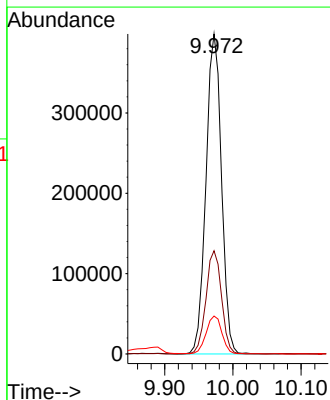
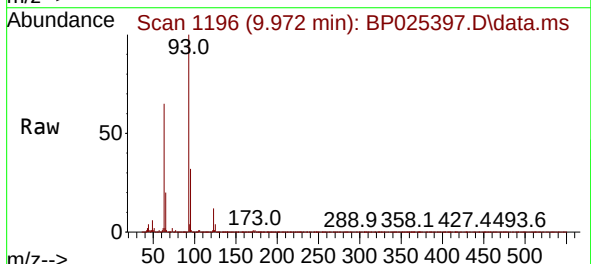
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

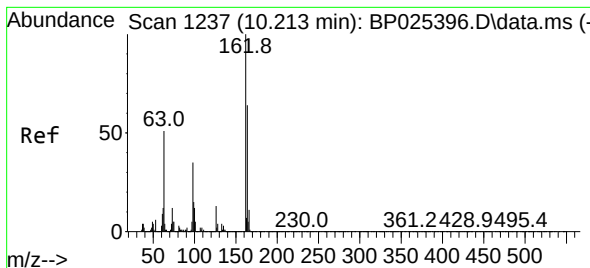
Tgt Ion:122 Resp: 481502
Ion Ratio Lower Upper
122 100
107 120.8 93.7 140.5
121 60.2 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 51.909 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 630027
Ion Ratio Lower Upper
93 100
95 32.2 25.4 38.0
123 11.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 53.478 ng

RT: 10.213 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

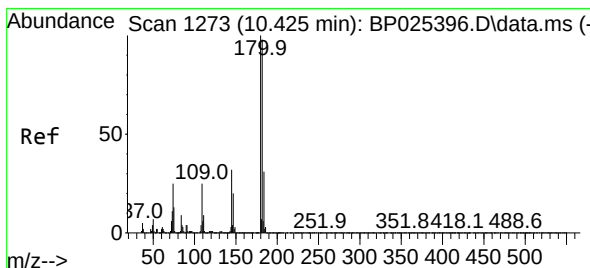
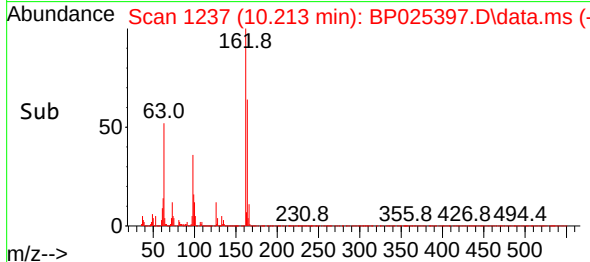
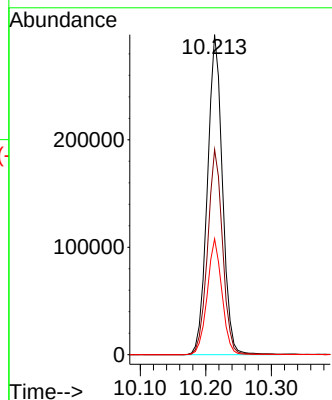
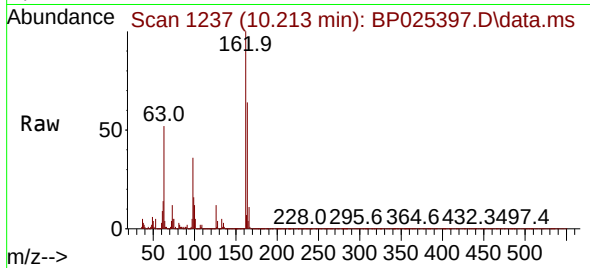
Tgt Ion:162 Resp: 475406

Ion Ratio Lower Upper

162 100

164 64.1 44.4 84.4

98 36.2 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 52.101 ng

RT: 10.431 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

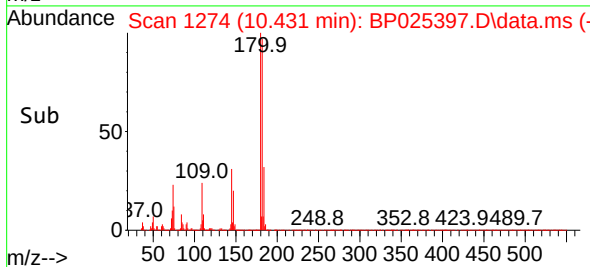
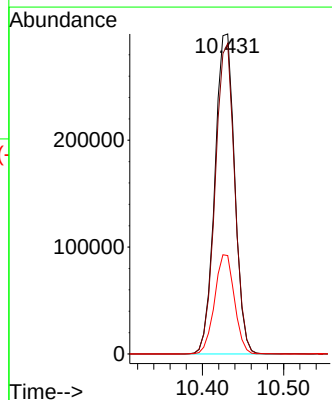
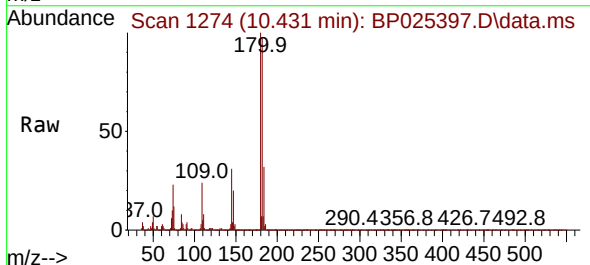
Tgt Ion:180 Resp: 507724

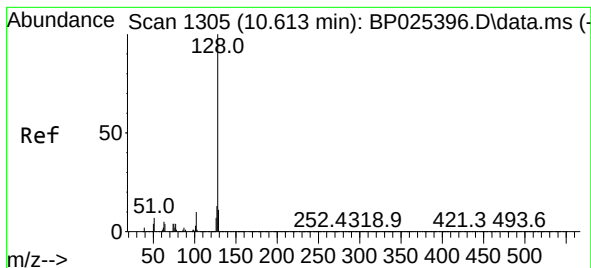
Ion Ratio Lower Upper

180 100

182 97.0 78.0 117.0

145 30.8 25.9 38.9

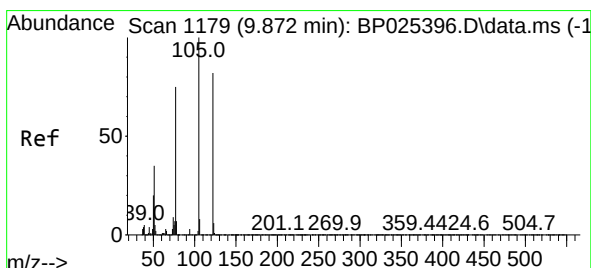
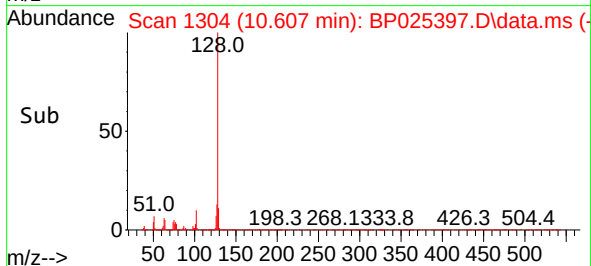
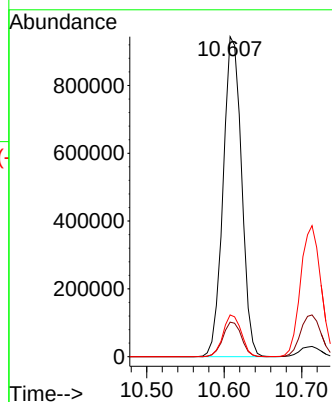
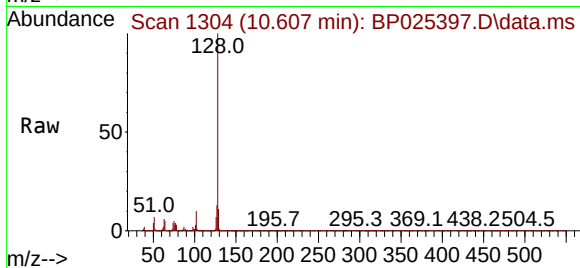




#31
Naphthalene
Concen: 52.305 ng
RT: 10.607 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

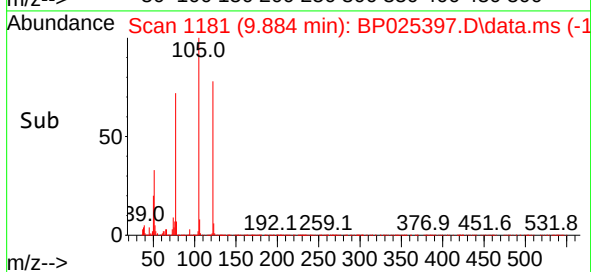
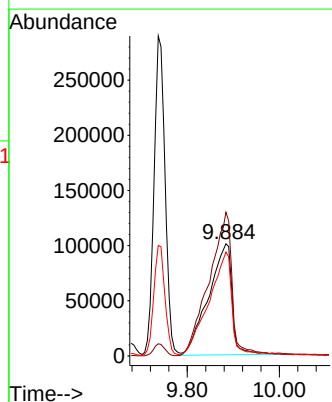
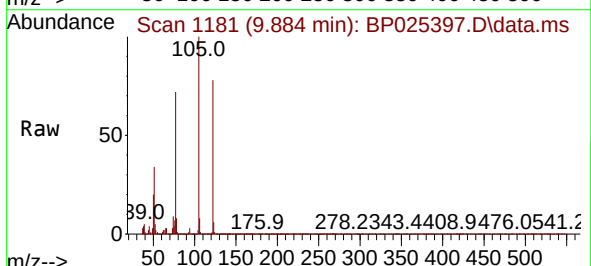
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

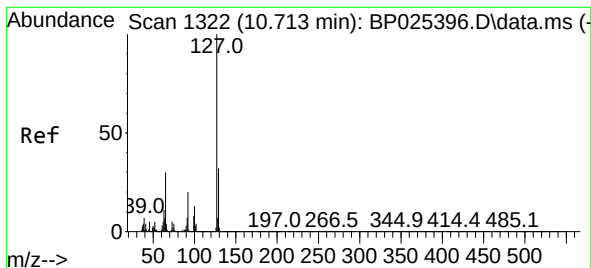
Tgt Ion:128 Resp: 1560240
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.1 10.7 16.1



#32
Benzoic acid
Concen: 54.274 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:122 Resp: 357706
Ion Ratio Lower Upper
122 100
105 128.1 100.6 140.6
77 92.6 71.5 111.5

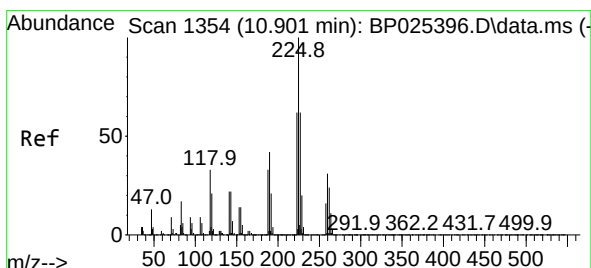
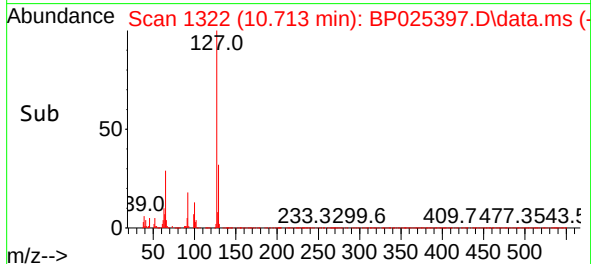
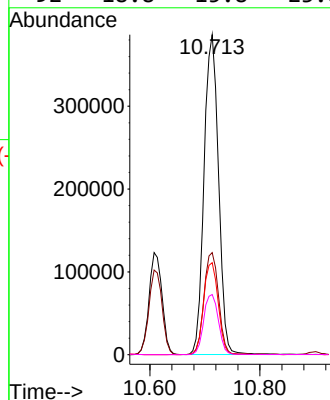
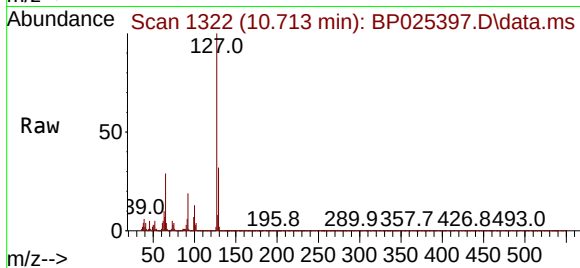




#33
4-Chloroaniline
Concen: 53.548 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

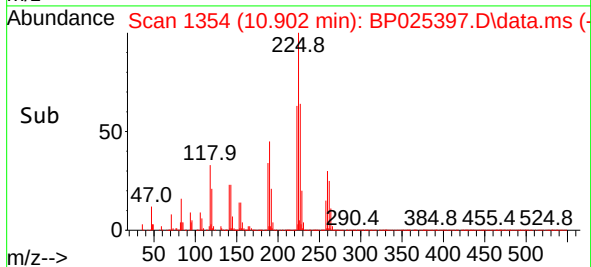
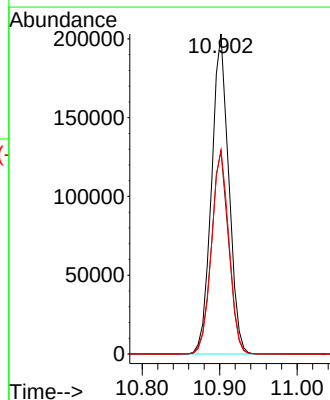
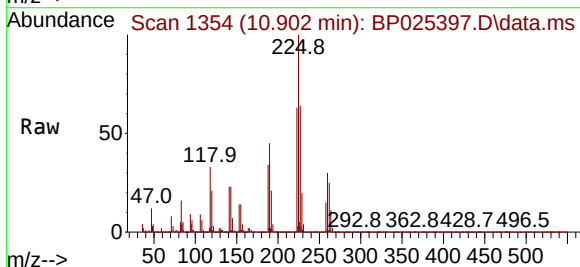
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

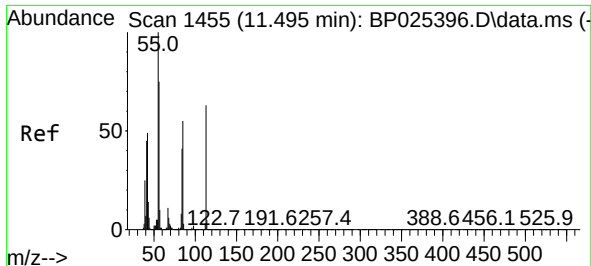
Tgt Ion:	127	Resp:	705562
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	28.7	23.8	35.6
92	18.8	15.8	23.8



#34
Hexachlorobutadiene
Concen: 51.436 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:	225	Resp:	312163
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.0	75.0
227	63.7	49.7	74.5

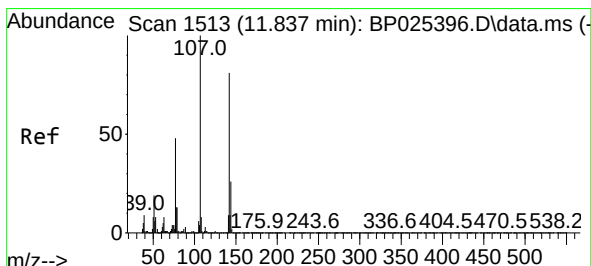
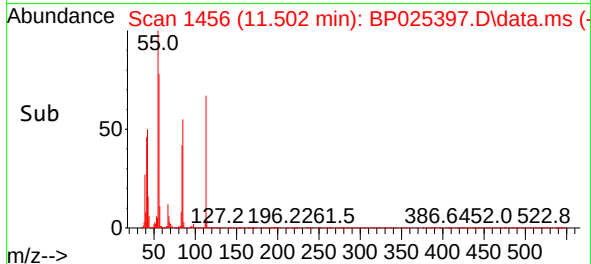
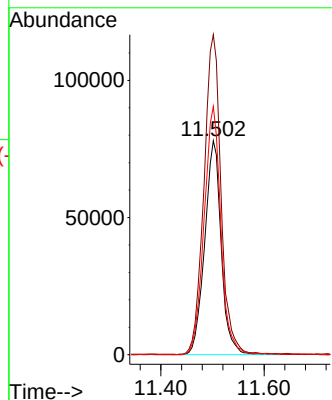
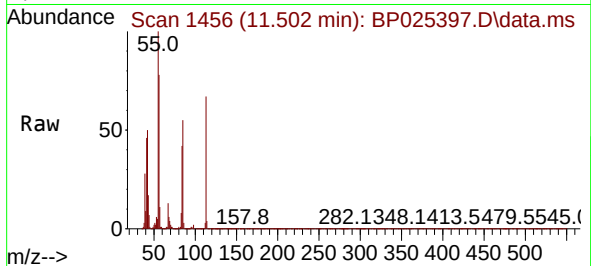




#35
Caprolactam
Concen: 52.969 ng
RT: 11.502 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

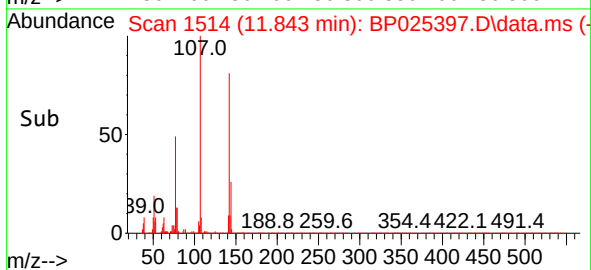
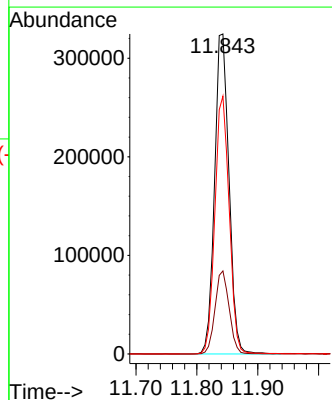
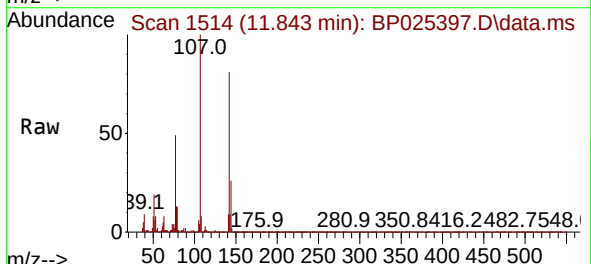
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

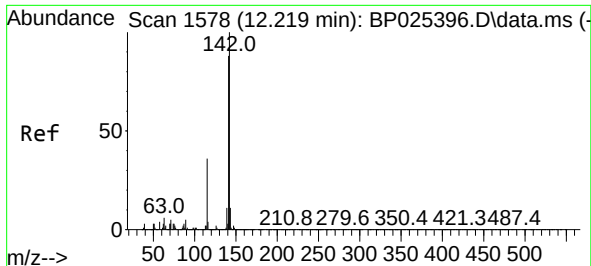
Tgt Ion:113 Resp: 172663
Ion Ratio Lower Upper
113 100
55 149.6 140.0 180.0
56 116.0 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 52.407 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 534583
Ion Ratio Lower Upper
107 100
144 26.0 21.0 31.4
142 80.6 64.6 97.0

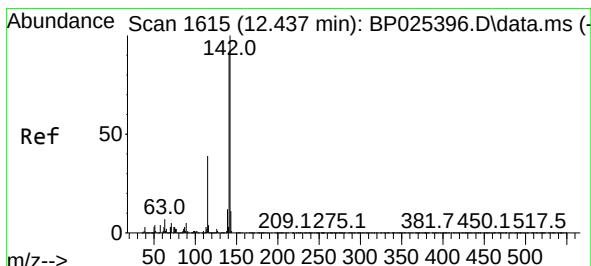
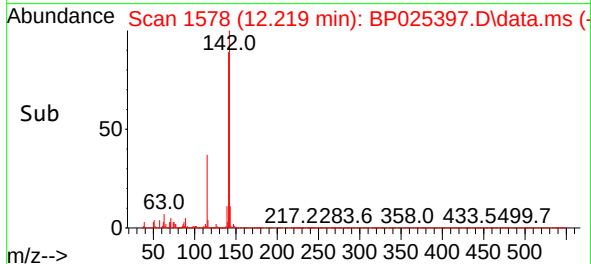
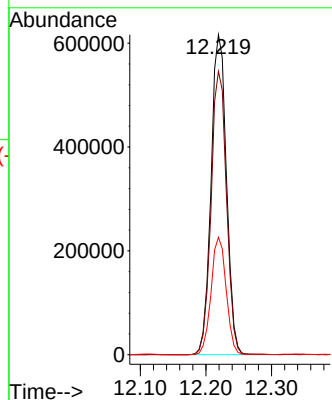
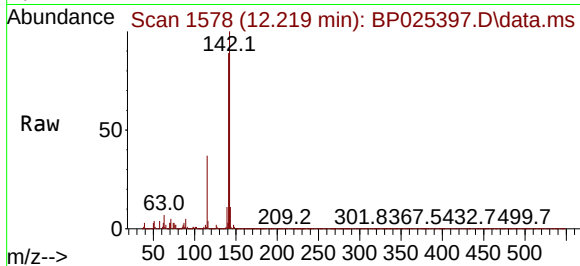




#37
2-Methylnaphthalene
Concen: 51.710 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

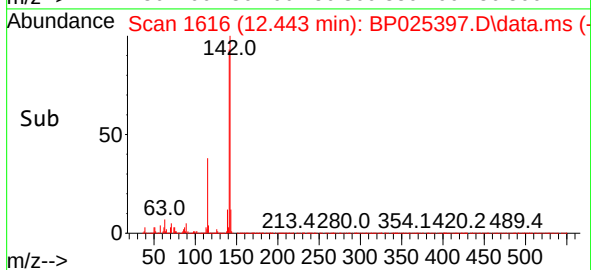
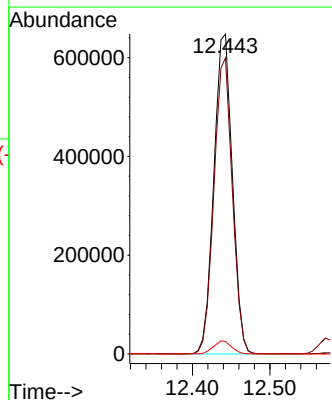
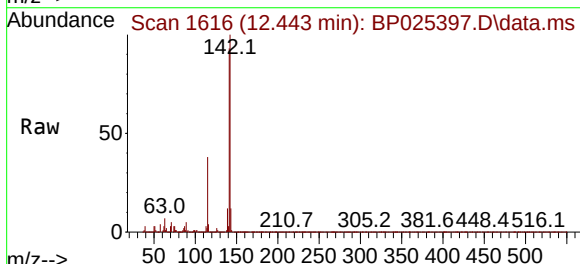
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

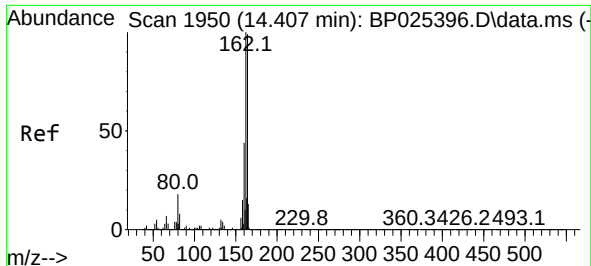
Tgt Ion:142 Resp: 1003813
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5
115 36.7 28.9 43.3



#38
1-Methylnaphthalene
Concen: 52.167 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:142 Resp: 1076949
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7
116 3.9 3.2 4.8

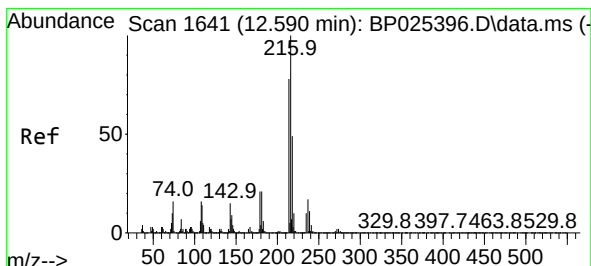
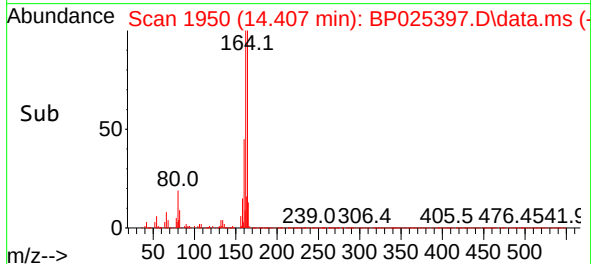
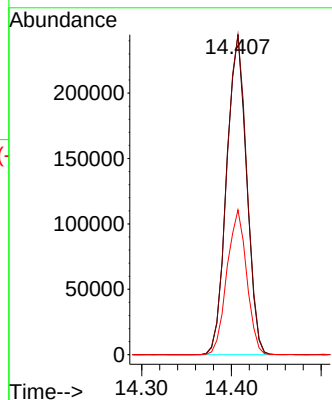
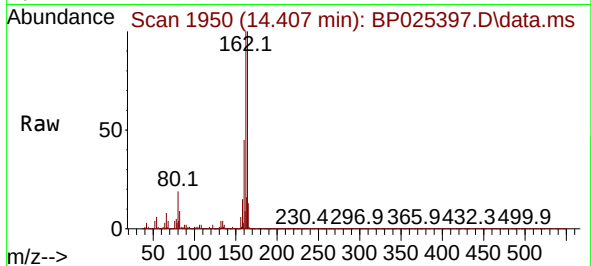




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

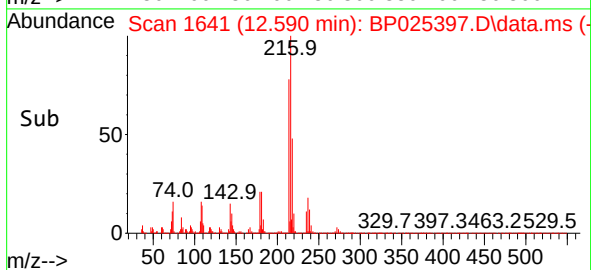
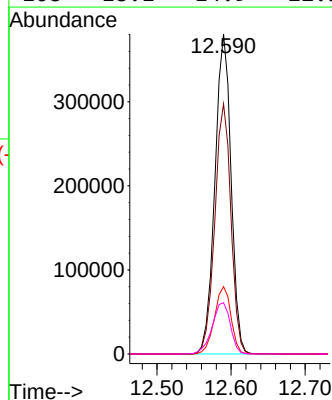
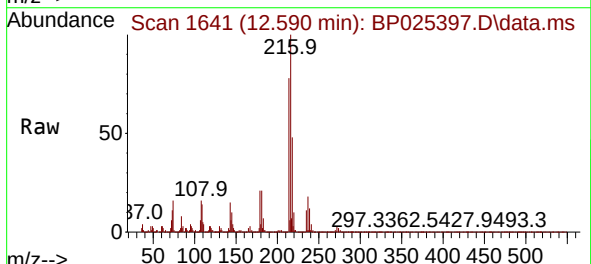
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

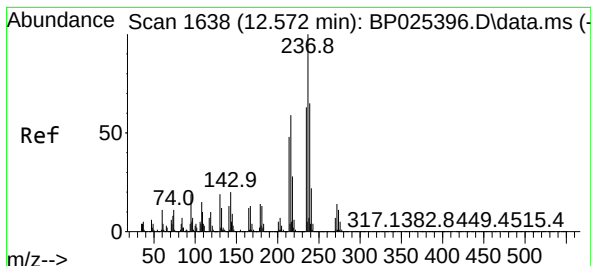
Tgt Ion:164 Resp: 376731
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.6
160 45.2 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.769 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:216 Resp: 574152
Ion Ratio Lower Upper
216 100
214 78.2 63.0 94.4
179 21.5 17.1 25.7
108 18.1 14.9 22.3

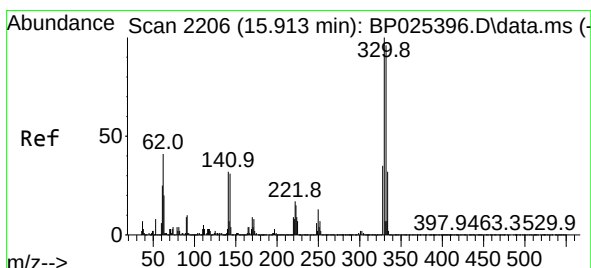
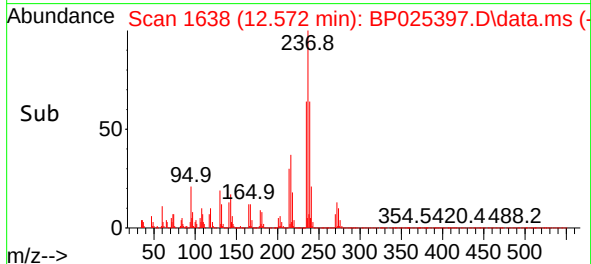
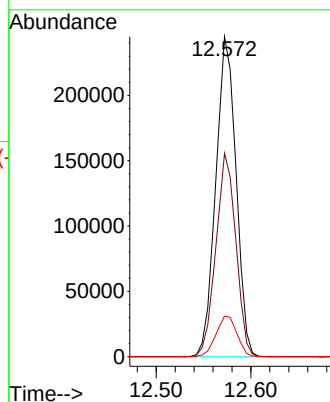
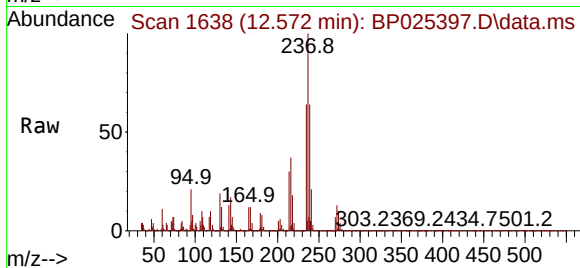




#41
Hexachlorocyclopentadiene
Concen: 55.392 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

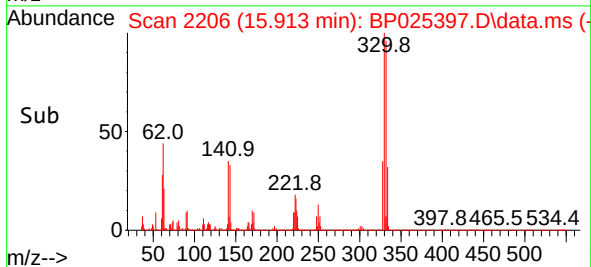
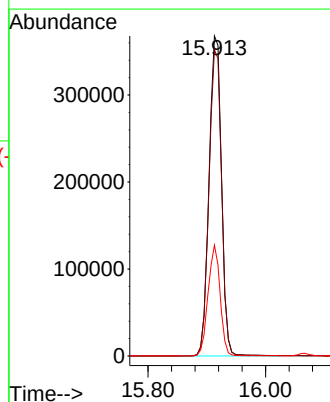
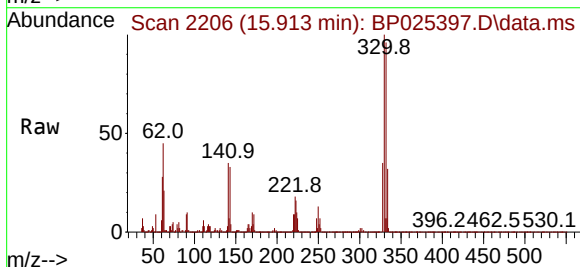
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

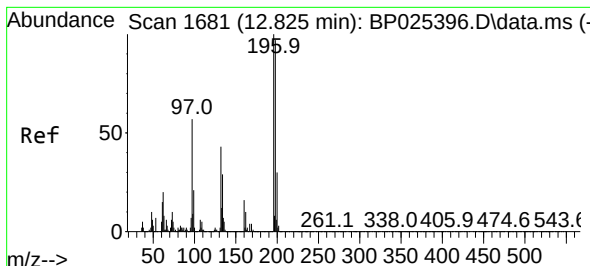
Tgt Ion:237 Resp: 364047
Ion Ratio Lower Upper
237 100
235 63.6 42.7 82.7
272 12.7 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 106.352 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:330 Resp: 539295
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 33.5 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 53.971 ng

RT: 12.831 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

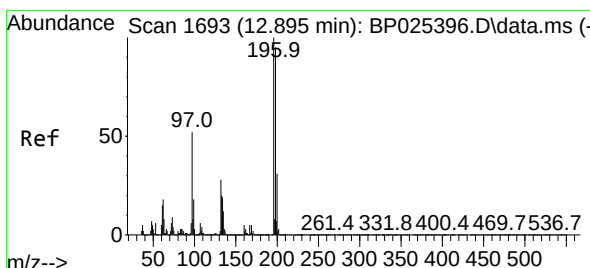
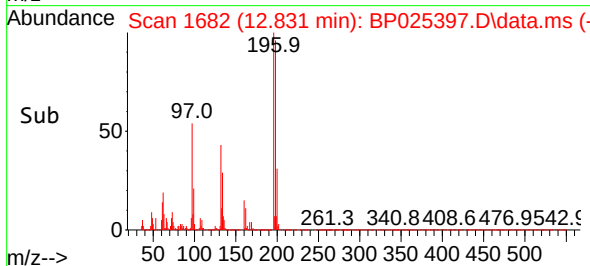
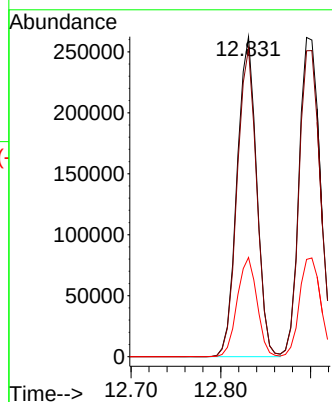
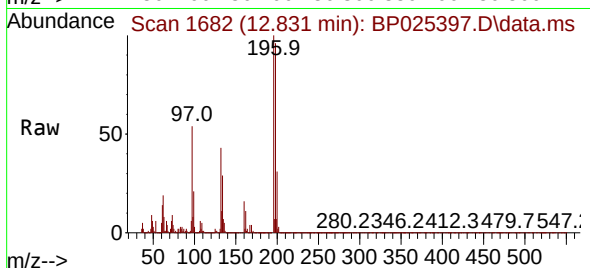
Tgt Ion:196 Resp: 396440

Ion Ratio Lower Upper

196 100

198 96.3 77.2 115.8

200 31.0 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 53.421 ng

RT: 12.896 min Scan# 1693

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Tgt Ion:196 Resp: 430061

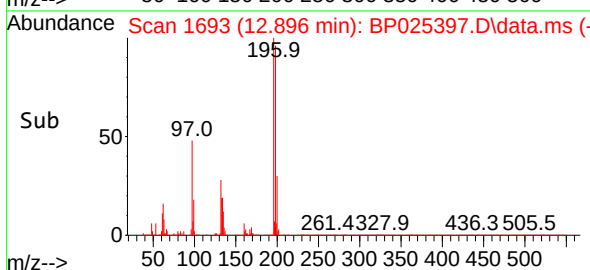
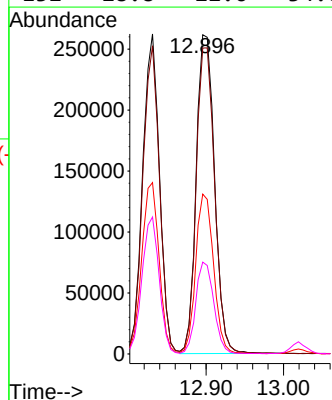
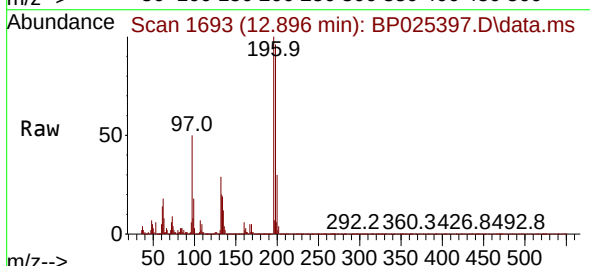
Ion Ratio Lower Upper

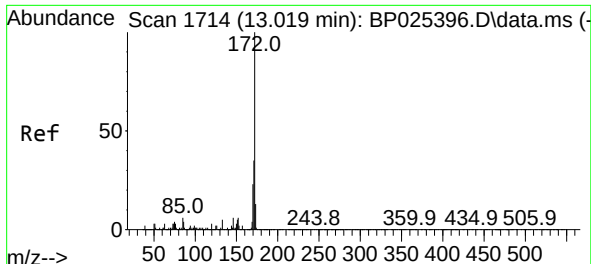
196 100

198 95.8 76.2 114.2

97 50.1 41.2 61.8

132 28.8 22.6 34.0

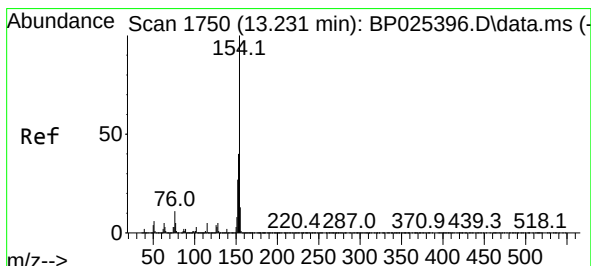
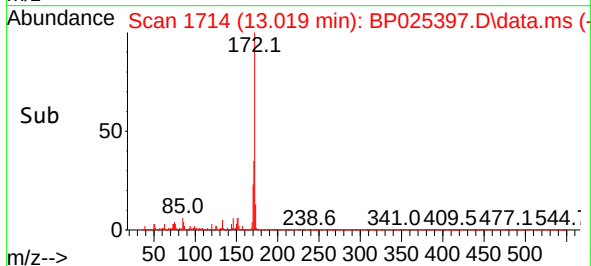
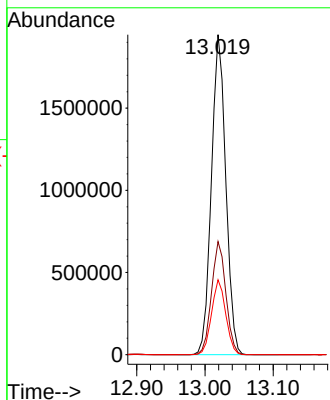
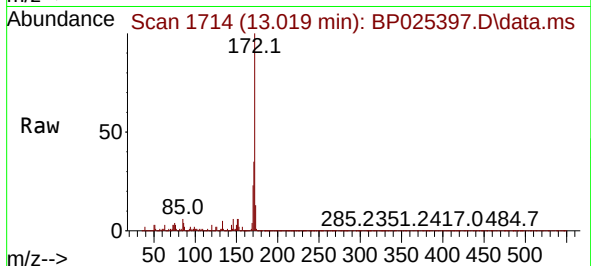




#45
2-Fluorobiphenyl
Concen: 103.632 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

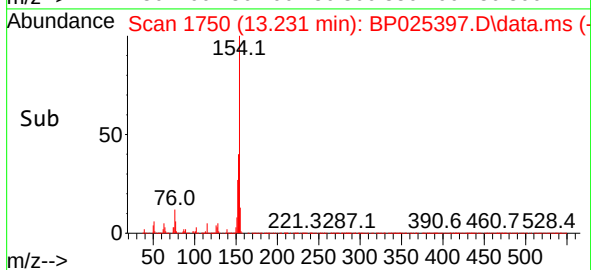
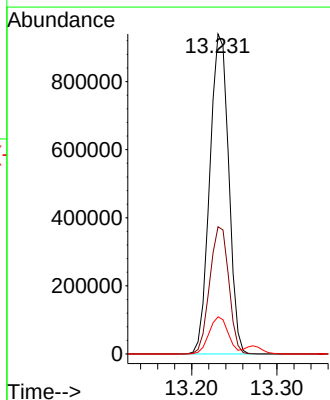
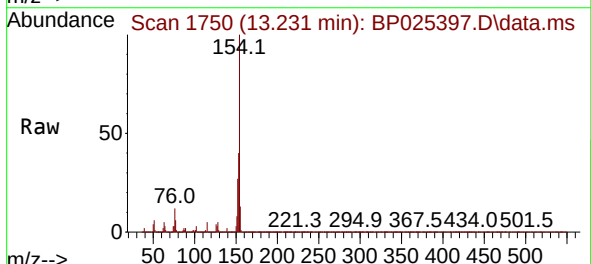
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

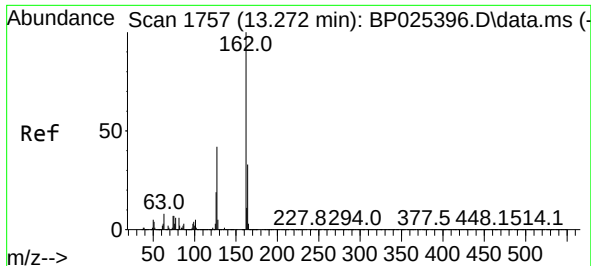
Tgt Ion:172 Resp: 2856639
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.4 18.6 28.0



#46
1,1'-Biphenyl
Concen: 52.922 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:154 Resp: 1447968
Ion Ratio Lower Upper
154 100
153 39.8 19.5 59.5
76 11.6 0.0 31.1

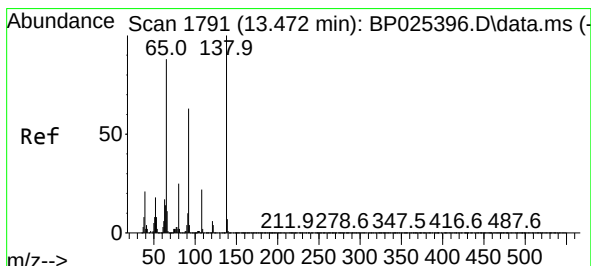
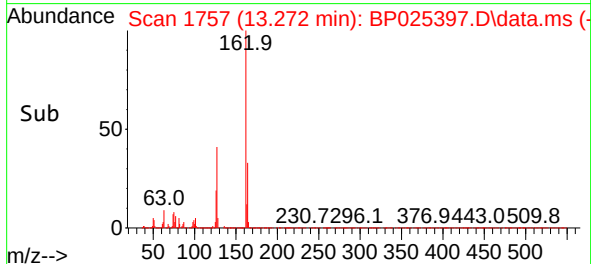
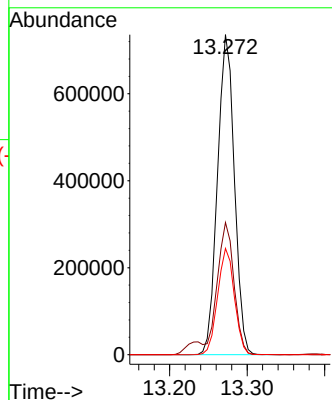
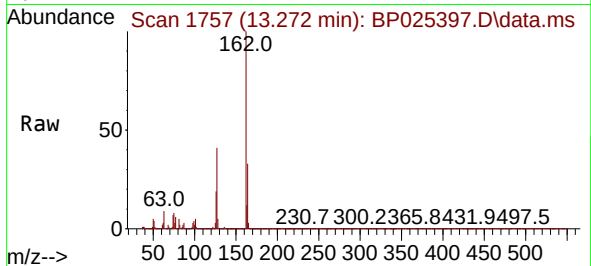




#47
2-Chloronaphthalene
Concen: 52.344 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

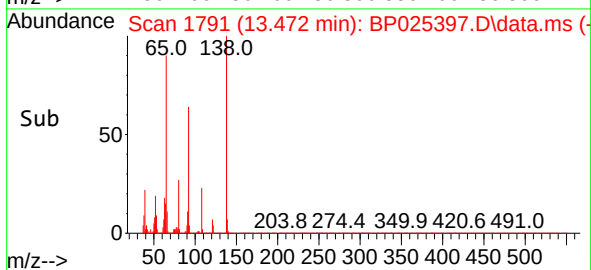
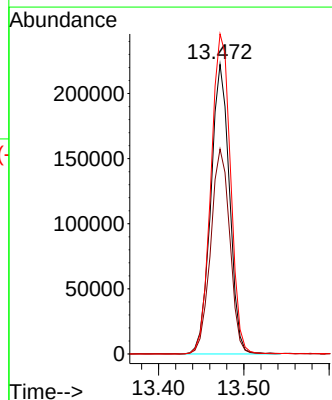
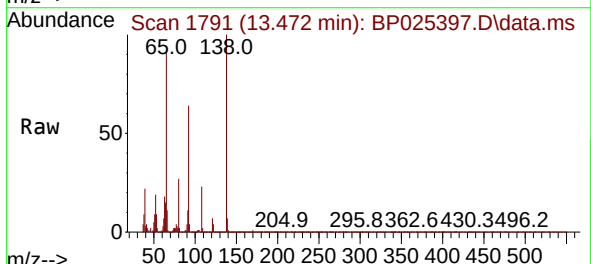
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

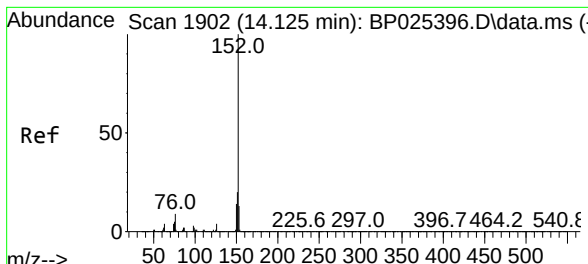
Tgt Ion:162 Resp: 1114922
Ion Ratio Lower Upper
162 100
127 41.3 33.4 50.2
164 33.2 26.2 39.2



#48
2-Nitroaniline
Concen: 54.613 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 65 Resp: 338939
Ion Ratio Lower Upper
65 100
92 70.7 57.6 86.4
138 110.5 91.0 136.6



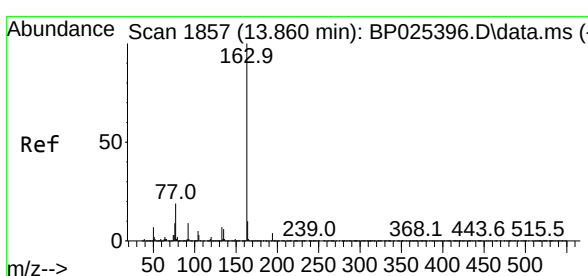
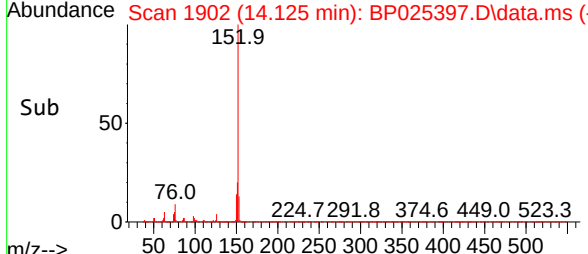
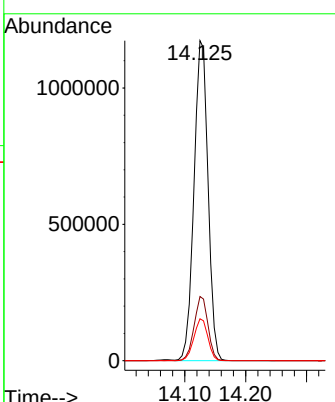
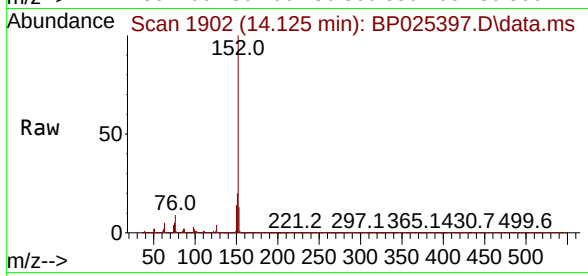


#49
 Acenaphthylene
 Concen: 53.227 ng
 RT: 14.125 min Scan# 1902
 Delta R.T. 0.000 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Tgt Ion:152 Resp: 1875998

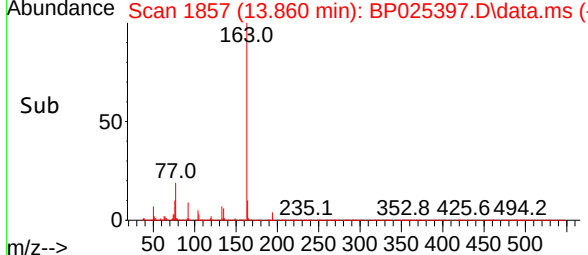
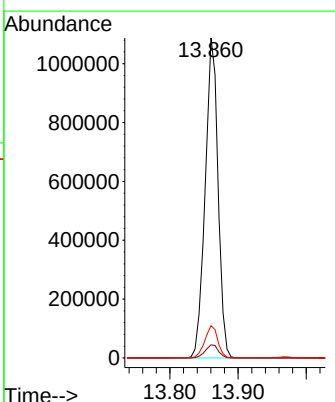
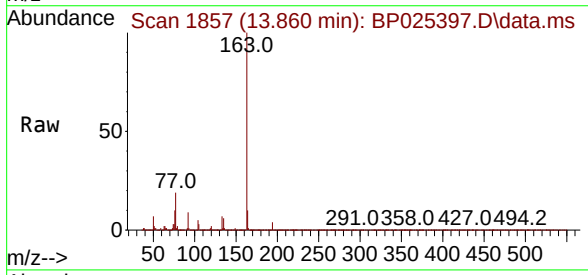
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.1	10.6	15.8

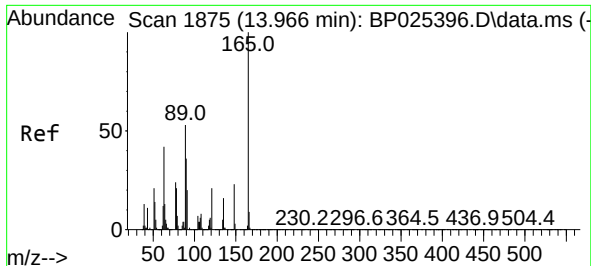


#50
 Dimethylphthalate
 Concen: 51.622 ng
 RT: 13.860 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

Tgt Ion:163 Resp: 1424127

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9

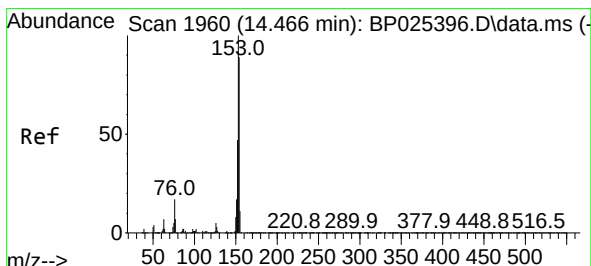
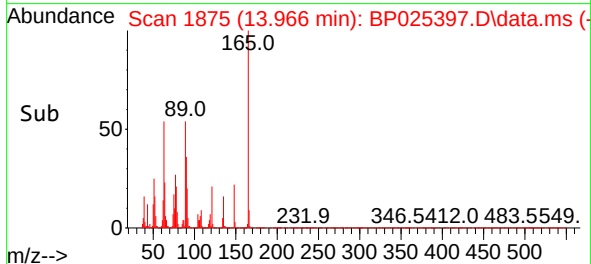
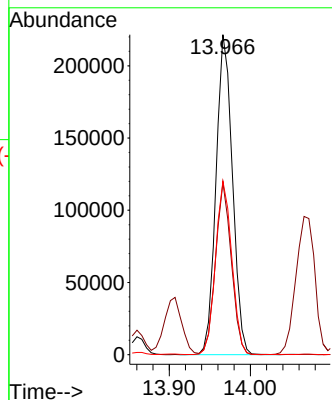
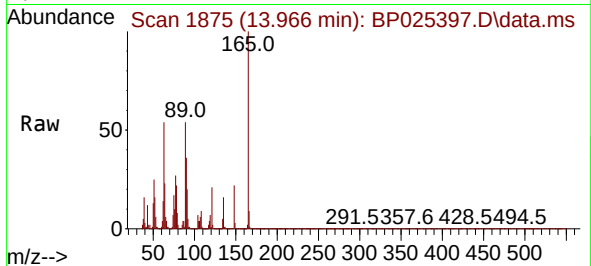




#51
2,6-Dinitrotoluene
Concen: 53.683 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

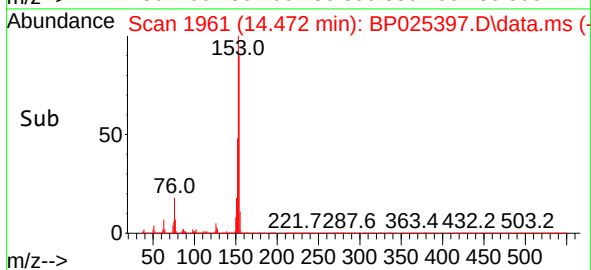
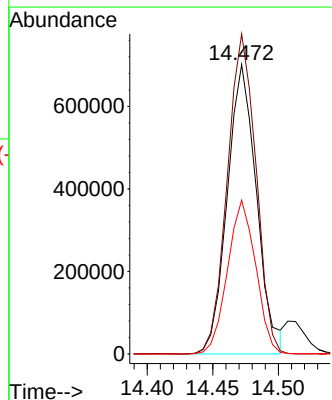
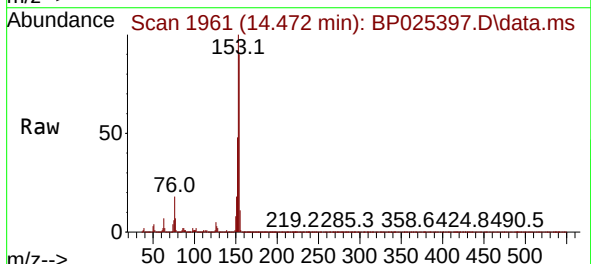
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

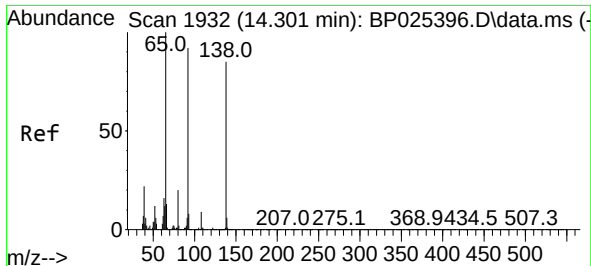
Tgt Ion:165 Resp: 312149
Ion Ratio Lower Upper
165 100
63 53.8 40.9 61.3
89 54.2 42.1 63.1



#52
Acenaphthene
Concen: 52.577 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:154 Resp: 1087721
Ion Ratio Lower Upper
154 100
153 110.6 90.2 135.2
152 53.1 42.1 63.1

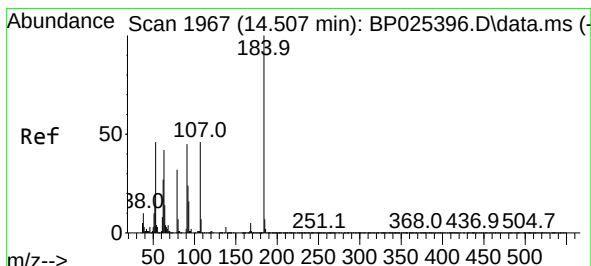
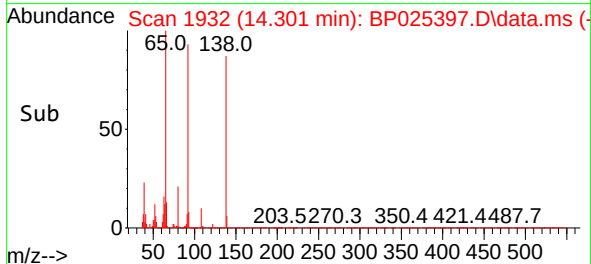
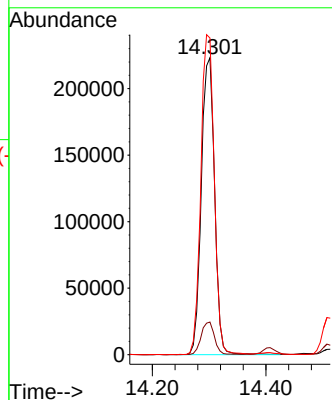
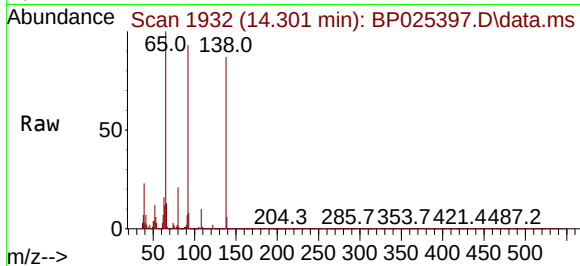




#53
3-Nitroaniline
Concen: 55.339 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

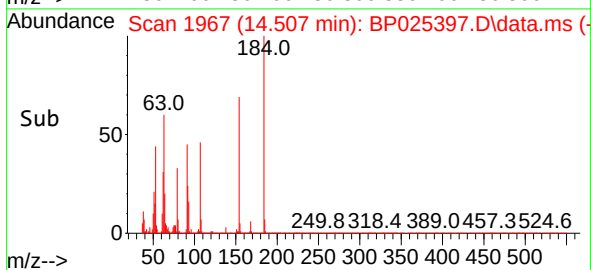
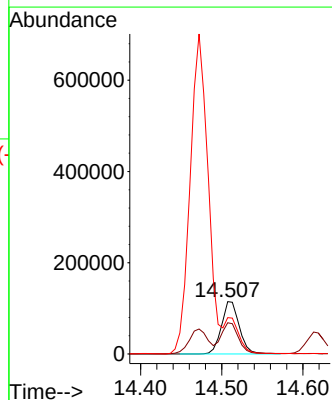
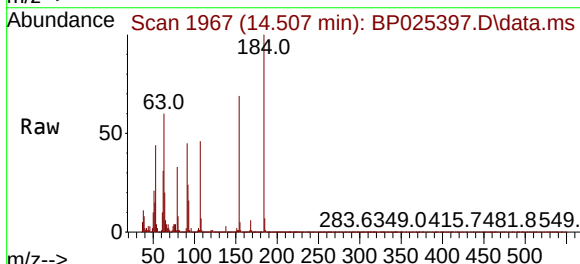
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

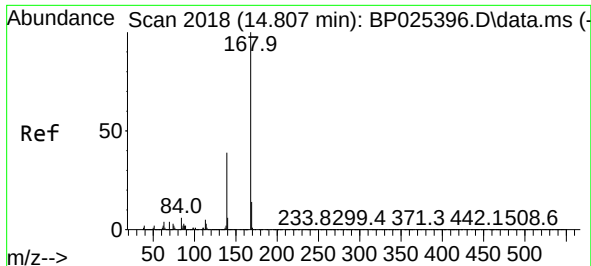
Tgt Ion:138 Resp: 362030
Ion Ratio Lower Upper
138 100
108 11.0 8.3 12.5
92 106.6 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 56.503 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:184 Resp: 175453
Ion Ratio Lower Upper
184 100
63 59.7 49.4 74.2
154 69.4 54.6 82.0

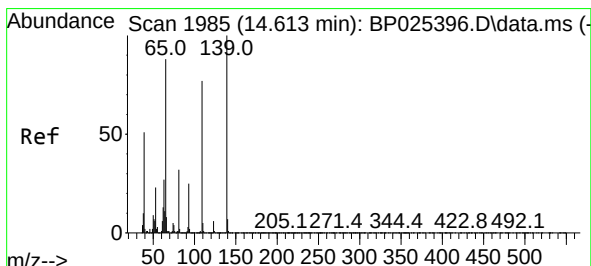
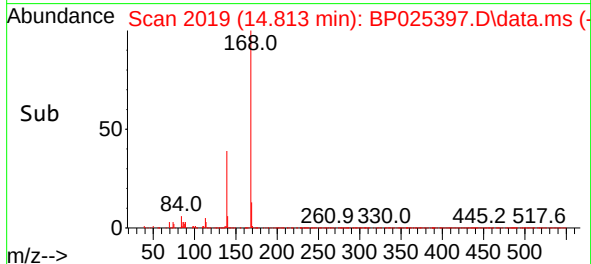
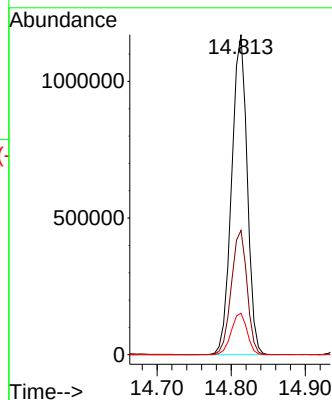
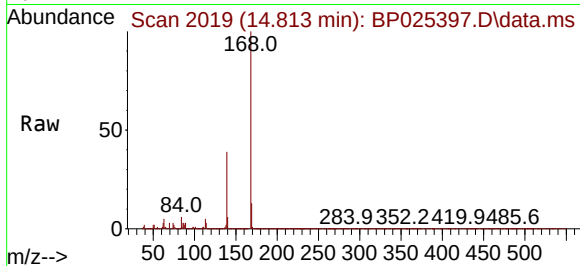




#55
Dibenzofuran
Concen: 52.147 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

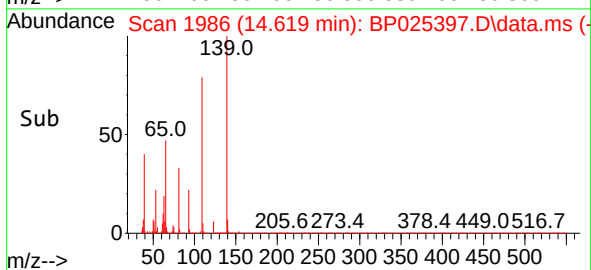
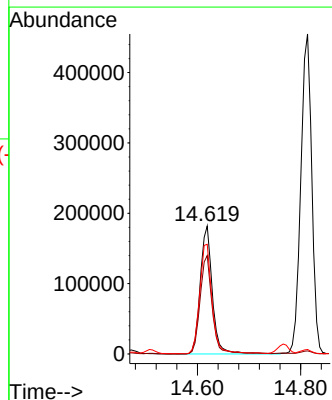
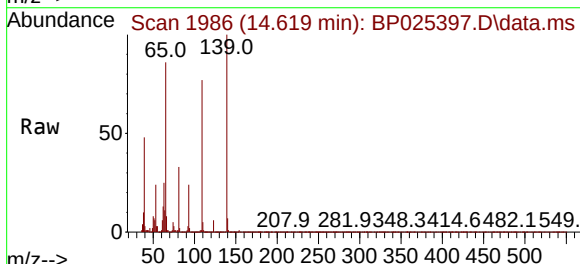
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

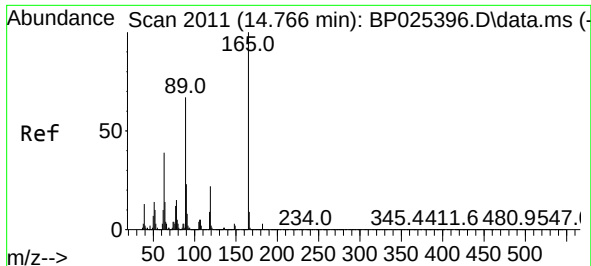
Tgt Ion:168 Resp: 1705630
Ion Ratio Lower Upper
168 100
139 38.9 31.5 47.3
169 13.0 10.9 16.3



#56
4-Nitrophenol
Concen: 55.103 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:139 Resp: 296227
Ion Ratio Lower Upper
139 100
109 76.8 56.6 96.6
65 85.5 68.2 108.2

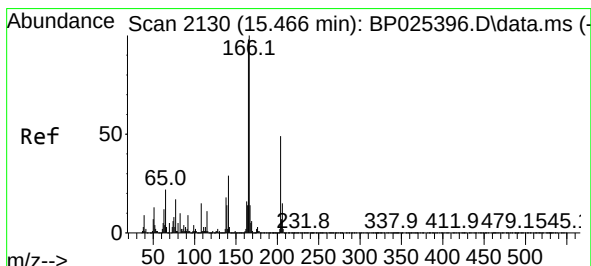
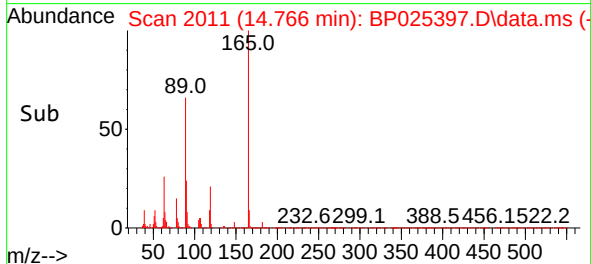
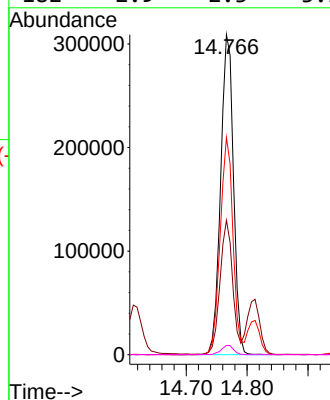
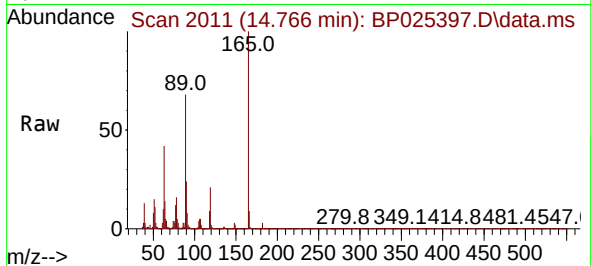




#57
2,4-Dinitrotoluene
Concen: 54.354 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

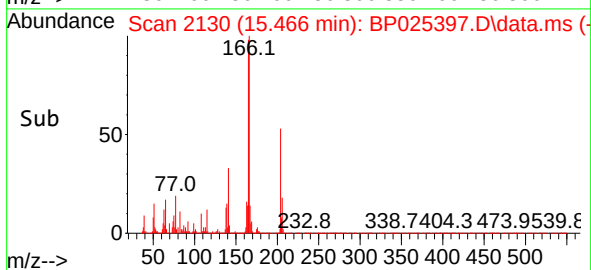
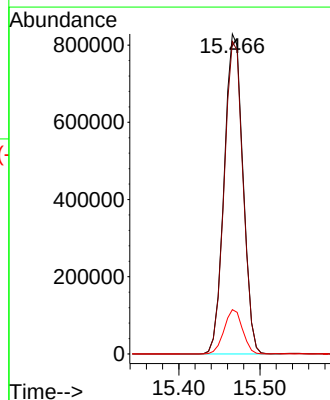
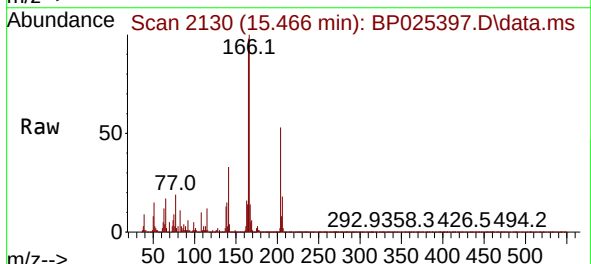
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

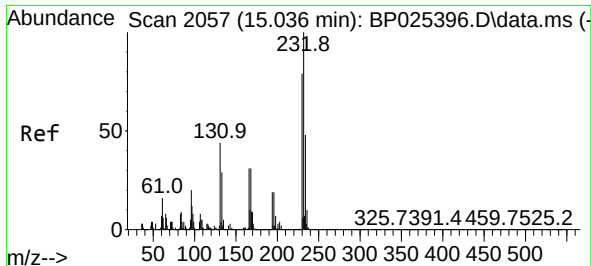
Tgt	Ion:165	Resp:	450923
Ion	Ratio	Lower	Upper
165	100		
63	42.0	31.4	47.2
89	67.9	53.3	79.9
182	2.9	2.3	3.5



#58
Fluorene
Concen: 51.627 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt	Ion:166	Resp:	1332448
Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	13.9	11.0	16.4

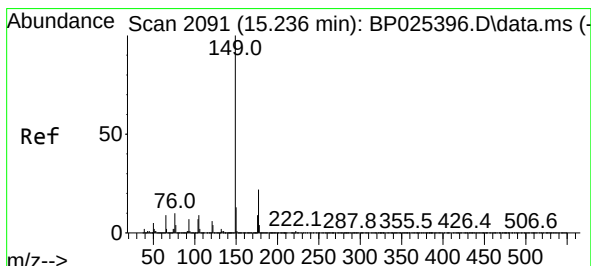
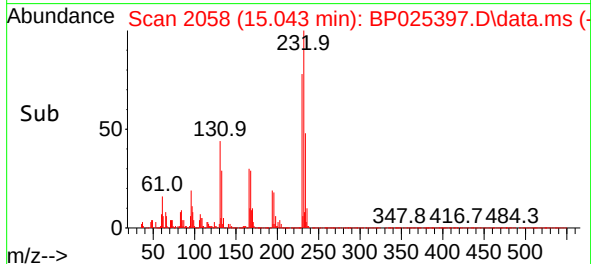
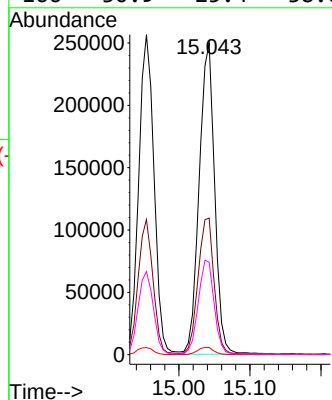
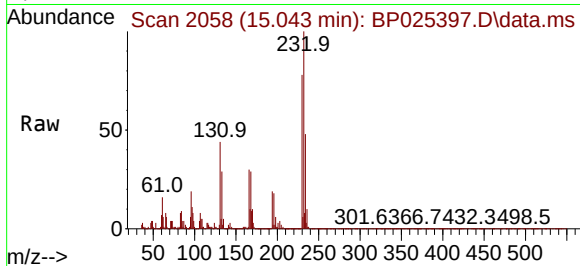




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.281 ng
RT: 15.043 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

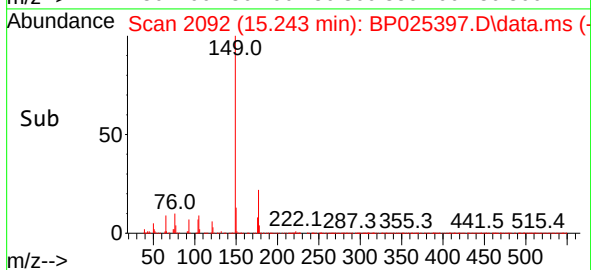
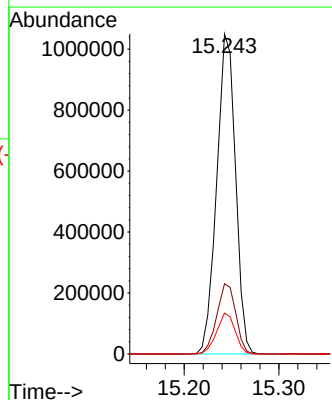
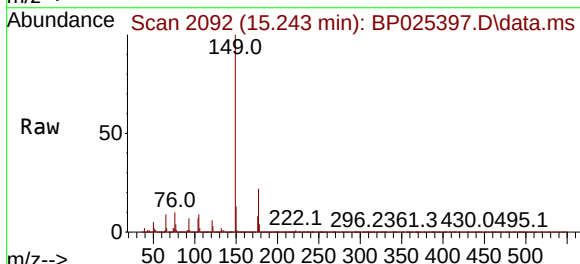
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

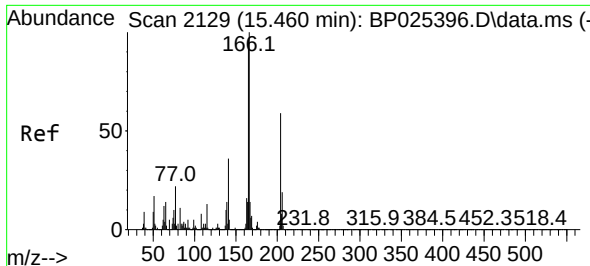
Tgt Ion:232 Resp: 378743
Ion Ratio Lower Upper
232 100
131 46.0 37.0 55.6
130 2.5 1.9 2.9
166 30.9 25.4 38.0



#60
Diethylphthalate
Concen: 51.728 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1450033
Ion Ratio Lower Upper
149 100
177 21.9 17.3 25.9
150 12.8 10.3 15.5

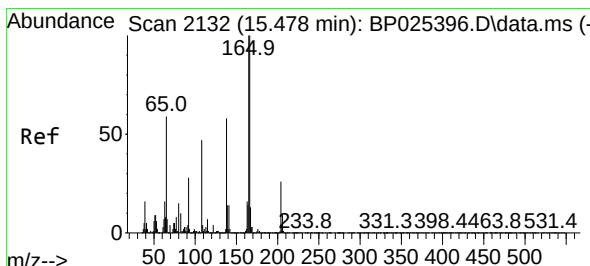
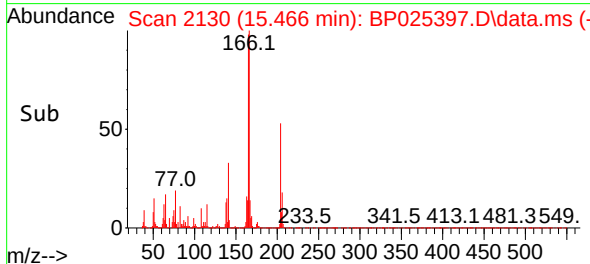
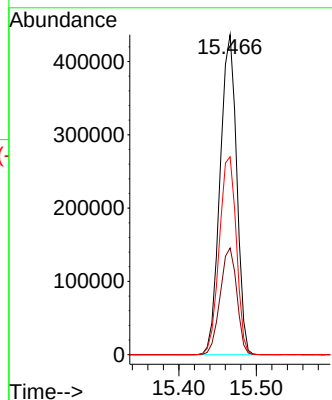
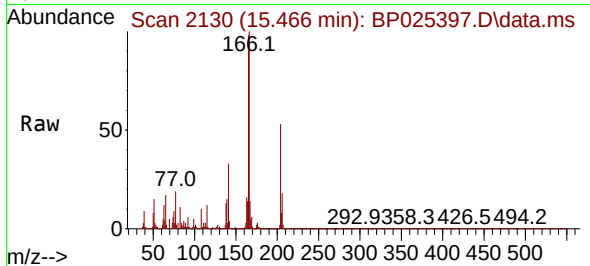




#61
4-Chlorophenyl-phenylether
Concen: 50.647 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

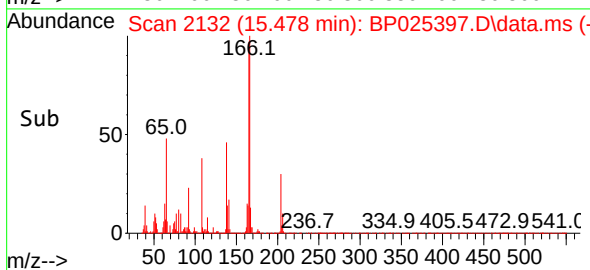
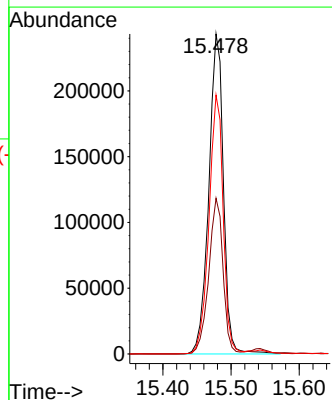
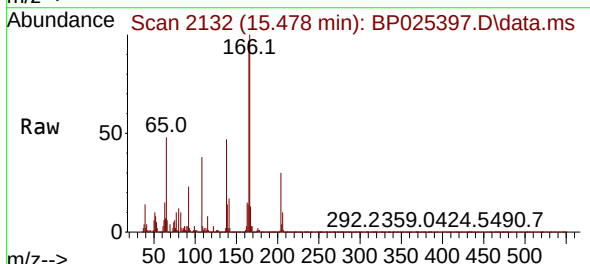
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

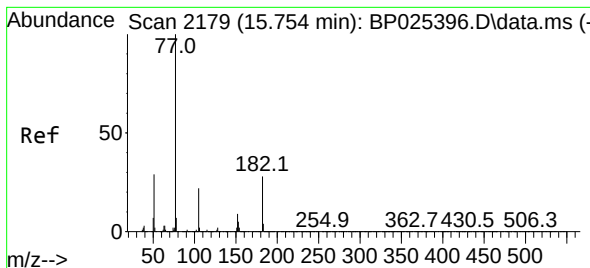
Tgt Ion:204 Resp: 650101
Ion Ratio Lower Upper
204 100
206 33.4 25.8 38.8
141 61.8 49.4 74.2



#62
4-Nitroaniline
Concen: 54.278 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:138 Resp: 364030
Ion Ratio Lower Upper
138 100
92 48.6 29.1 69.1
108 80.9 61.5 101.5



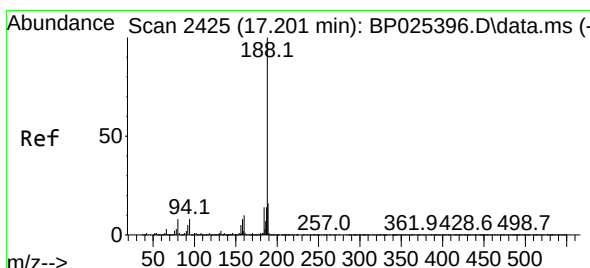
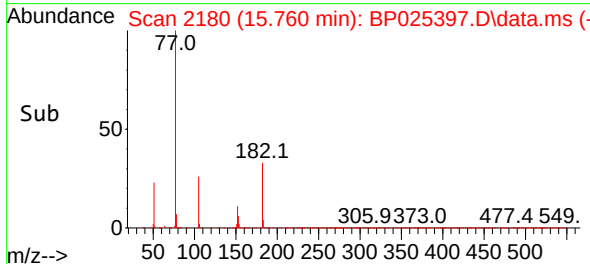
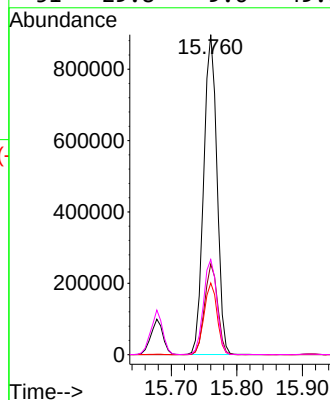
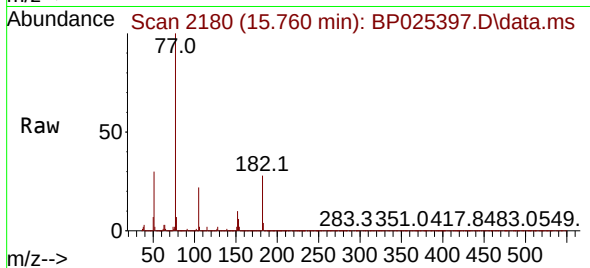


#63
Azobenzene
Concen: 52.602 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1262576

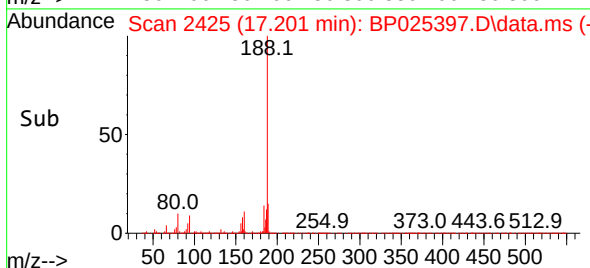
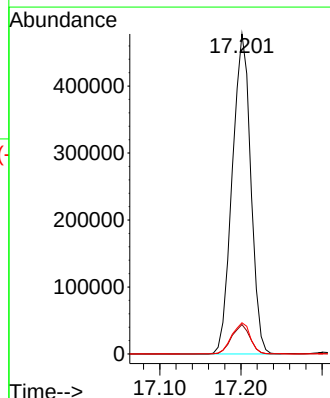
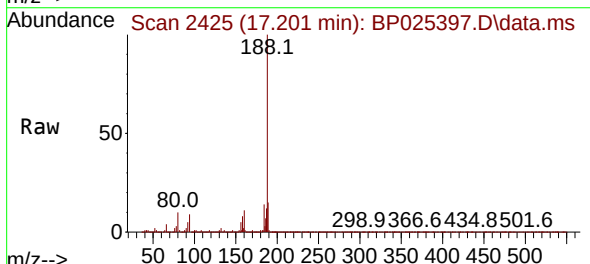
Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	22.4	2.1	42.1
51	29.8	9.6	49.6

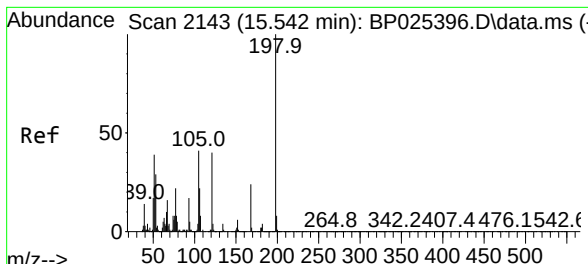


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:188 Resp: 753705

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.8	6.7	10.1

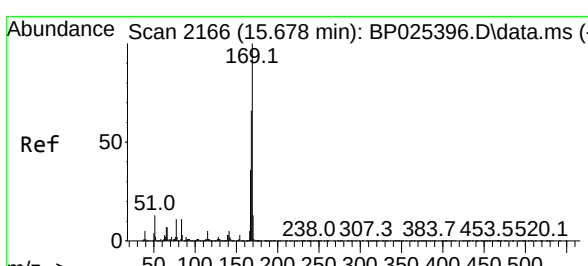
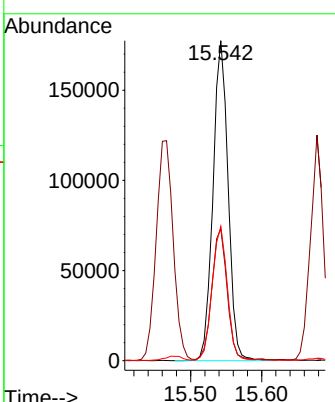
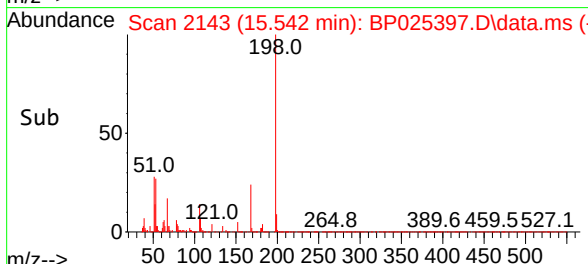
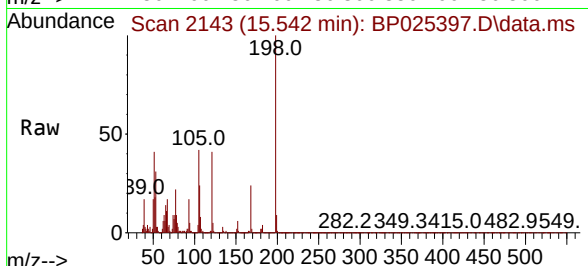




#65
 4,6-Dinitro-2-methylphenol
 Concen: 55.792 ng
 RT: 15.542 min Scan# 2143
 Delta R.T. 0.000 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

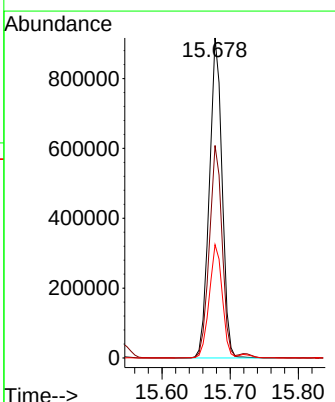
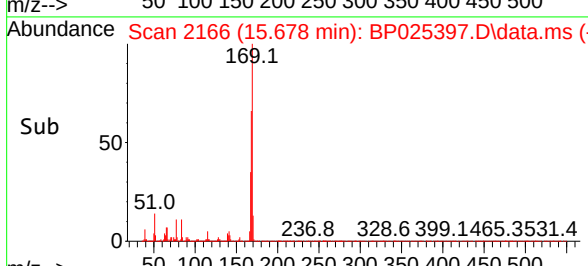
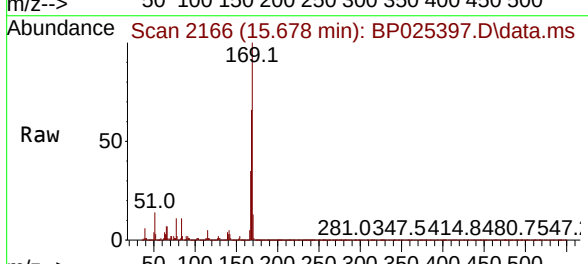
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

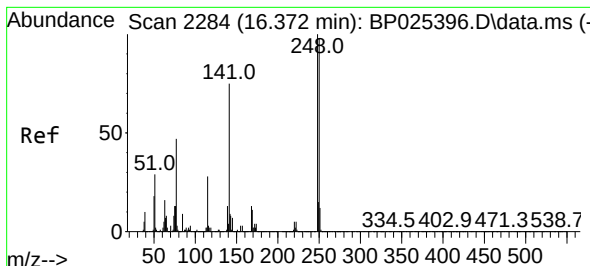
Tgt Ion:	198	Resp:	262126
Ion	Ratio	Lower	Upper
198	100		
51	41.2	19.6	59.6
105	42.0	20.9	60.9



#66
 n-Nitrosodiphenylamine
 Concen: 51.997 ng
 RT: 15.678 min Scan# 2166
 Delta R.T. 0.000 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

Tgt Ion:	169	Resp:	1195077
Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.2	79.8
167	35.4	28.7	43.1

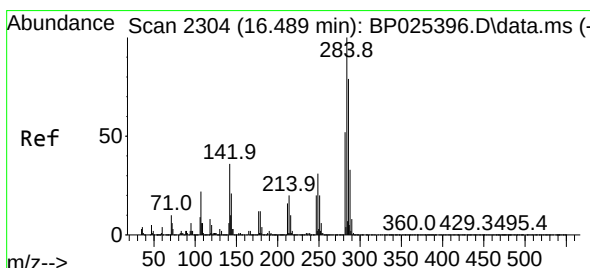
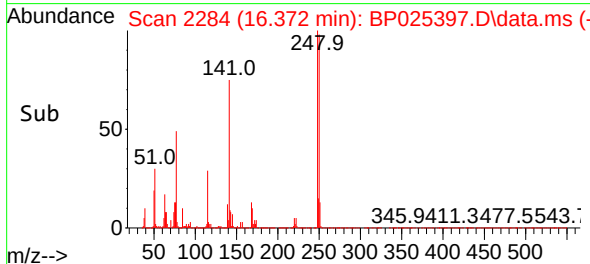
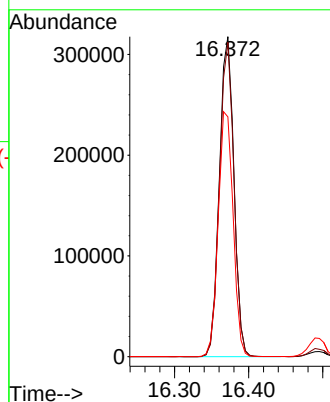
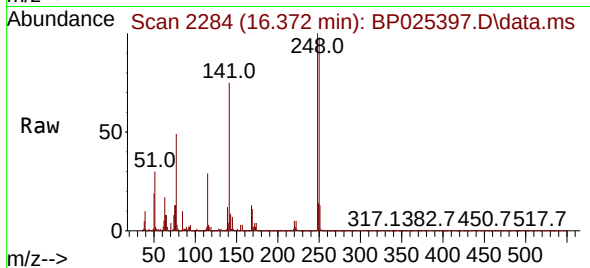




#67
4-Bromophenyl-phenylether
Concen: 52.325 ng
RT: 16.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

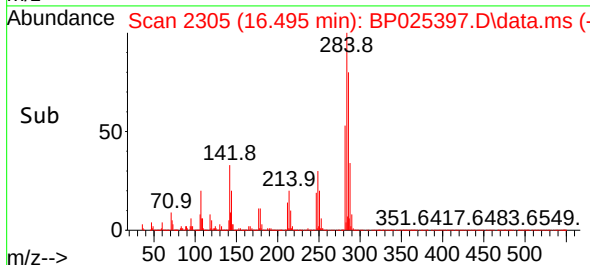
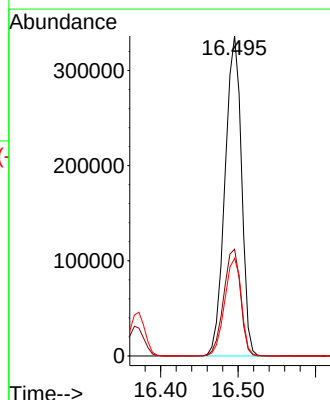
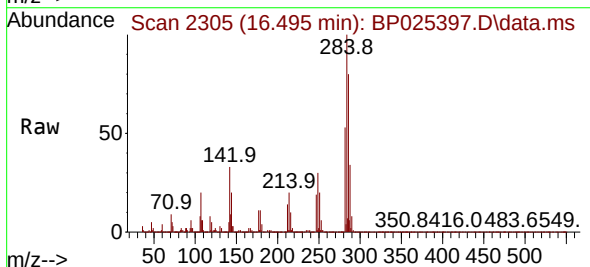
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

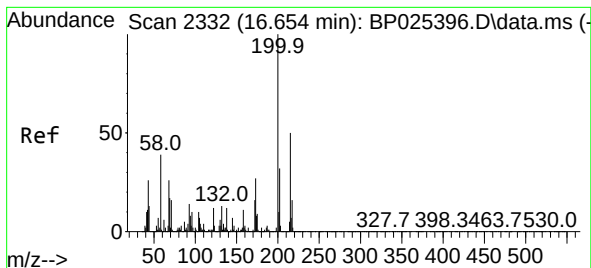
Tgt Ion:248 Resp: 433740
Ion Ratio Lower Upper
248 100
250 98.3 78.2 117.2
141 75.0 59.6 89.4



#68
Hexachlorobenzene
Concen: 51.816 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:284 Resp: 497906
Ion Ratio Lower Upper
284 100
142 33.3 29.1 43.7
249 30.5 25.0 37.4





#69

Atrazine

Concen: 52.479 ng

RT: 16.654 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

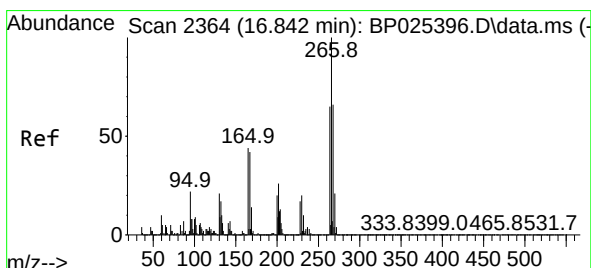
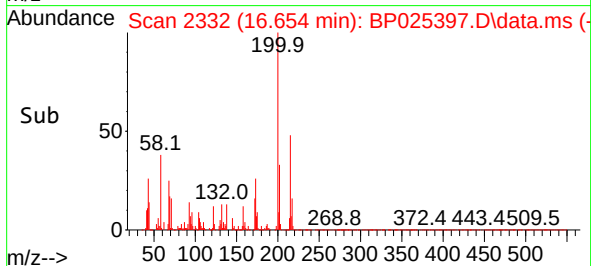
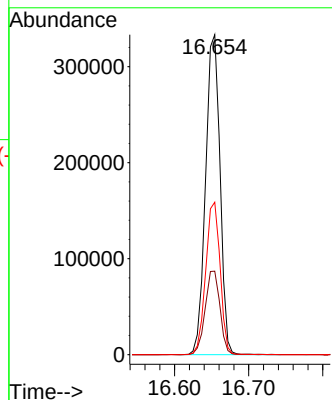
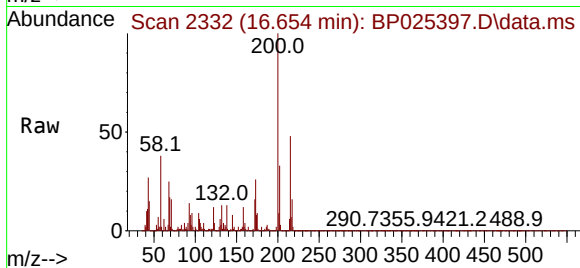
Tgt Ion:200 Resp: 451704

Ion Ratio Lower Upper

200 100

173 26.1 6.7 46.7

215 47.7 29.7 69.7



#70

Pentachlorophenol

Concen: 54.872 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

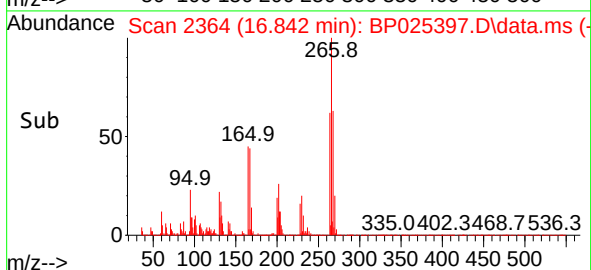
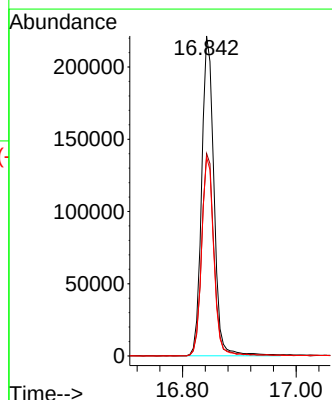
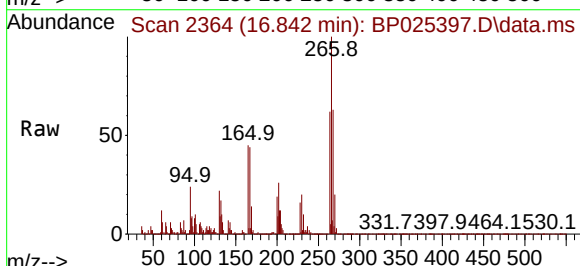
Tgt Ion:266 Resp: 332839

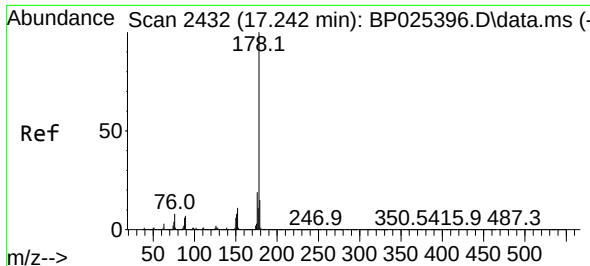
Ion Ratio Lower Upper

266 100

268 63.2 52.6 79.0

264 62.1 52.0 78.0

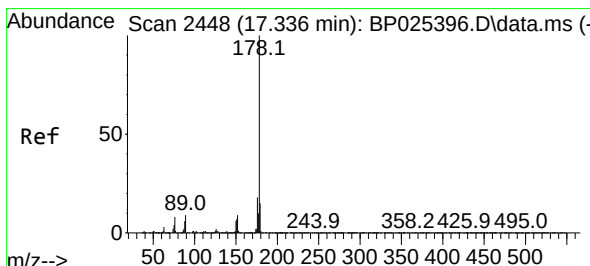
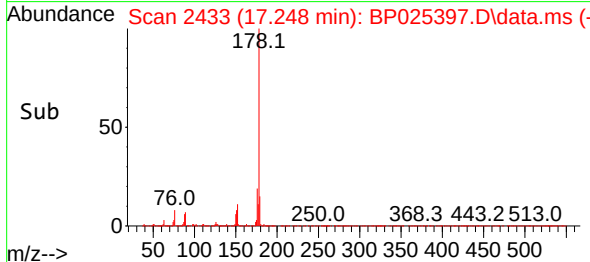
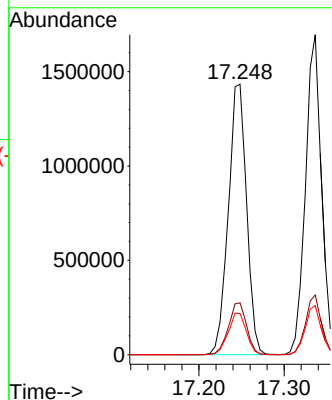
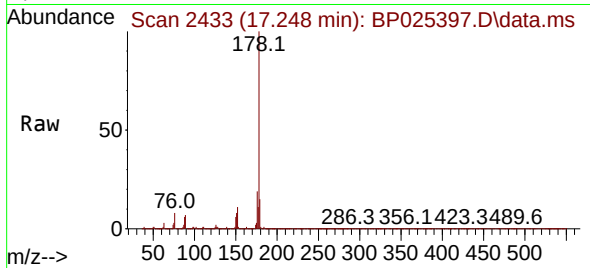




#71
Phenanthrene
Concen: 51.673 ng
RT: 17.248 min Scan# 2432
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

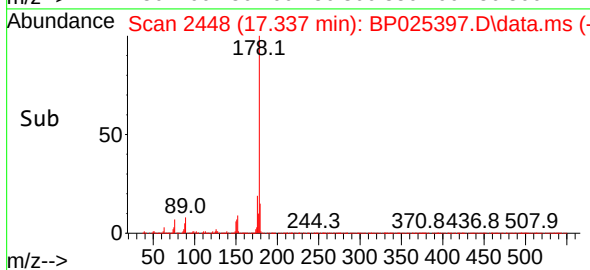
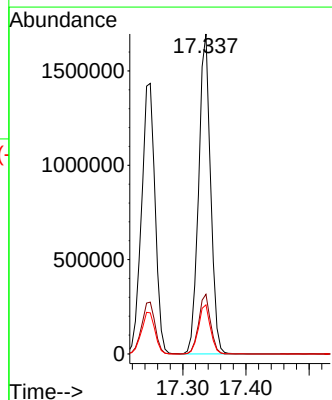
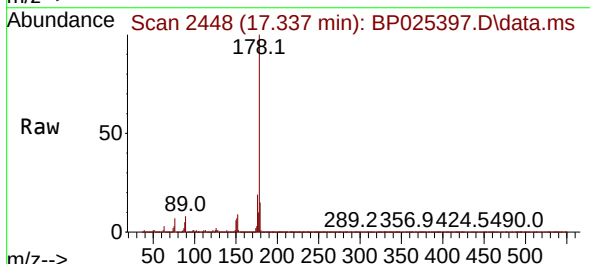
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

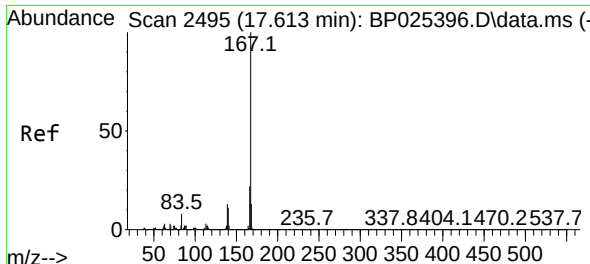
Tgt Ion:178 Resp: 2139431
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.2 18.4



#72
Anthracene
Concen: 52.385 ng
RT: 17.337 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:178 Resp: 2214911
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.4 12.2 18.2

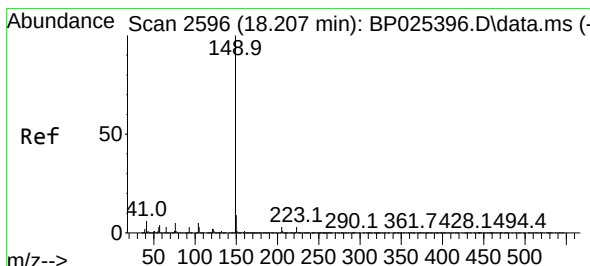
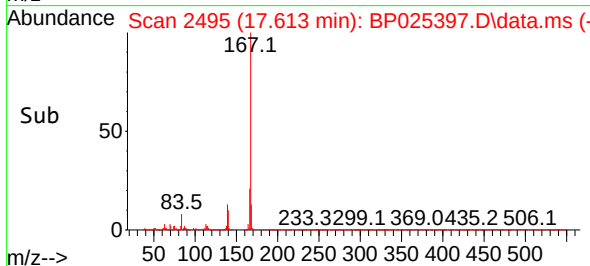
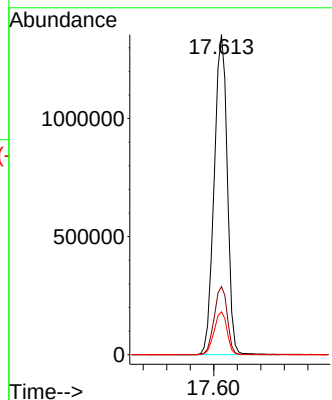
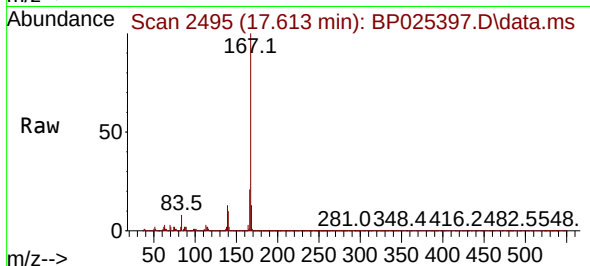




#73
Carbazole
Concen: 52.559 ng
RT: 17.613 min Scan# 2495
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

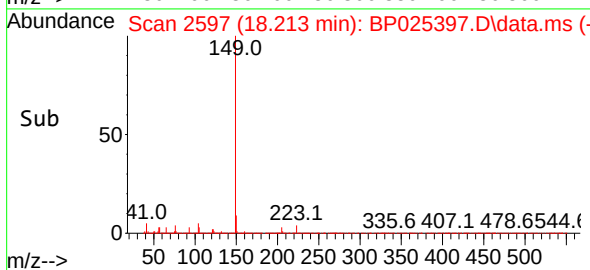
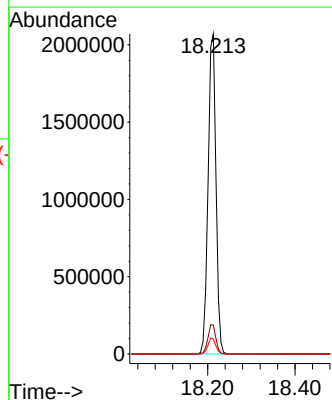
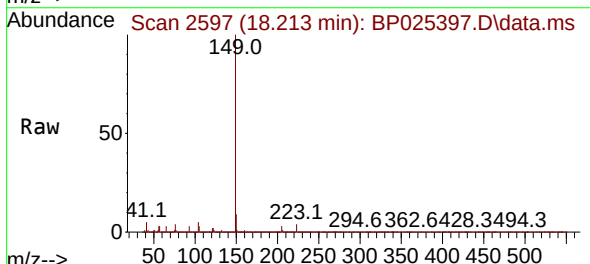
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

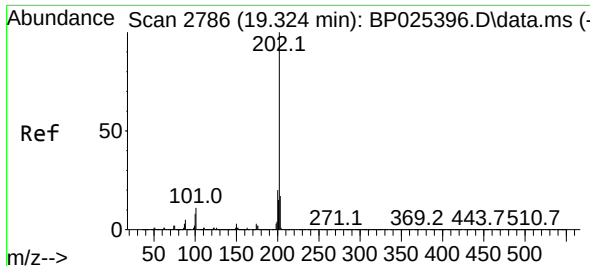
Tgt Ion:167 Resp: 2093175
Ion Ratio Lower Upper
167 100
166 21.2 17.5 26.3
139 13.4 10.6 16.0



#74
Di-n-butylphthalate
Concen: 52.849 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 2589522
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.7 4.2 6.2

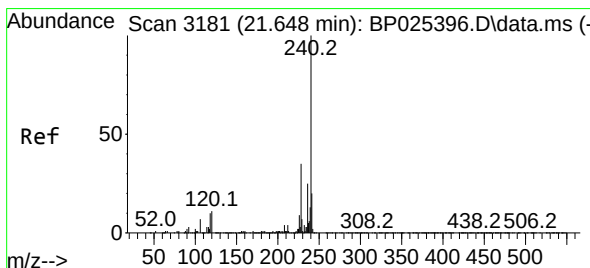
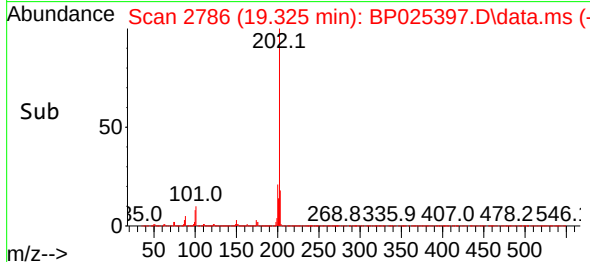
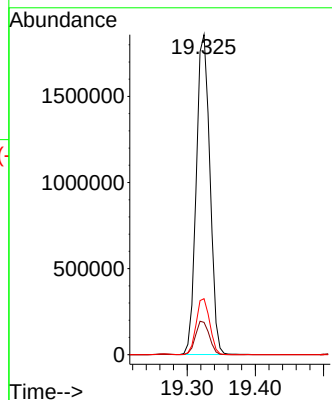
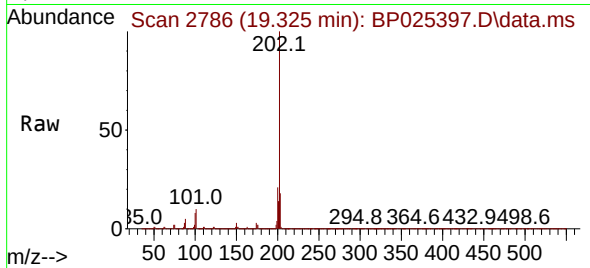




#75
Fluoranthene
Concen: 51.910 ng
RT: 19.325 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

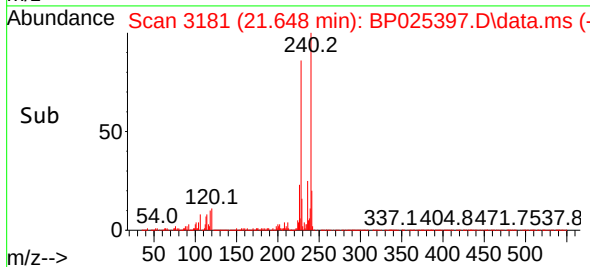
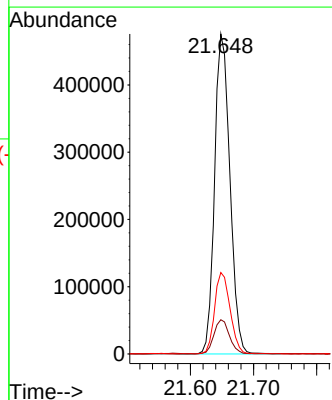
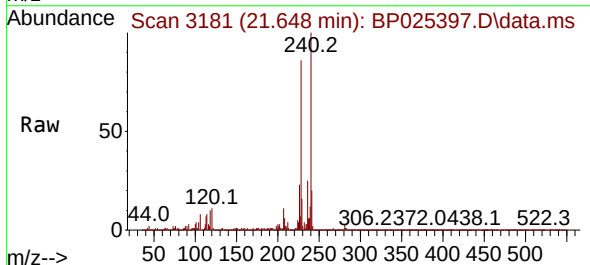
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

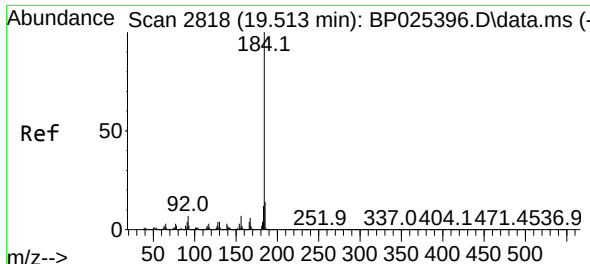
Tgt Ion:202 Resp: 2563702
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.1
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:240 Resp: 801742
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.5 19.8 29.8

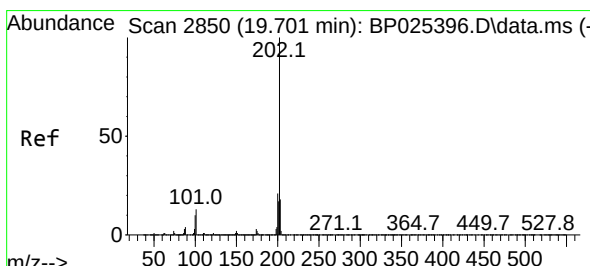
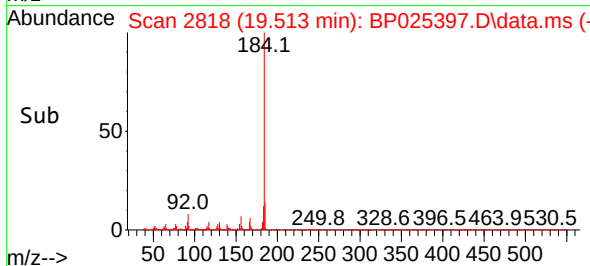
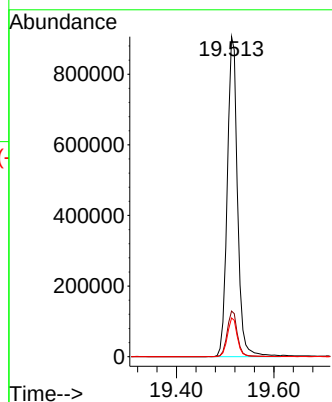
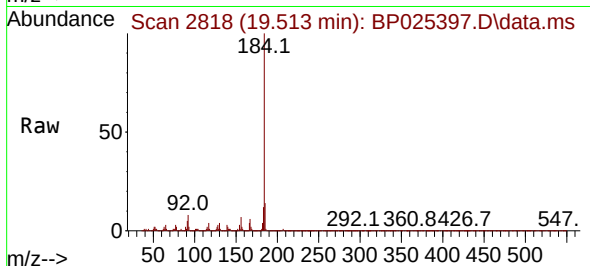




#77
Benzidine
Concen: 48.615 ng
RT: 19.513 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

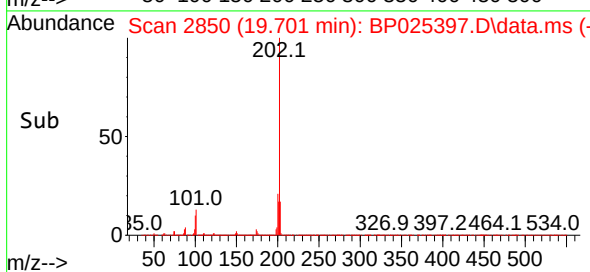
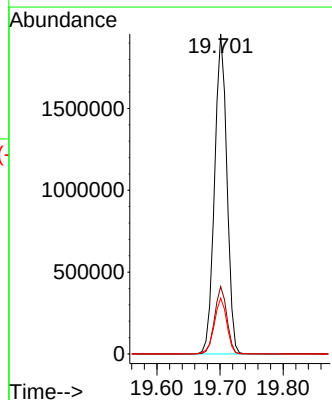
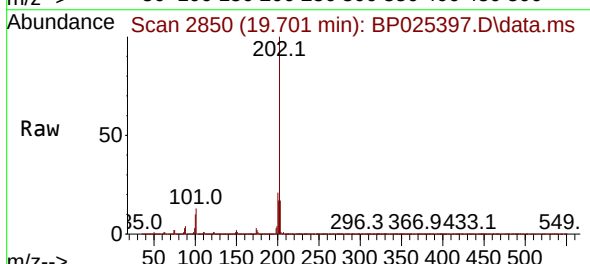
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

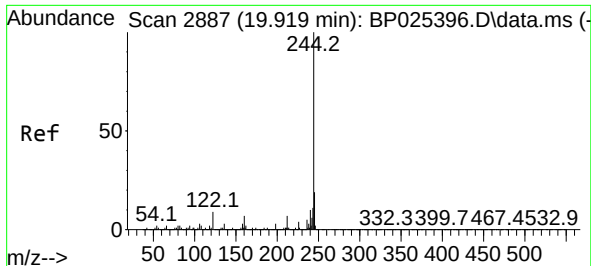
Tgt Ion:184 Resp: 1330198
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 12.1 9.4 14.2



#78
Pyrene
Concen: 50.754 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:202 Resp: 2644850
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.4 14.2 21.2

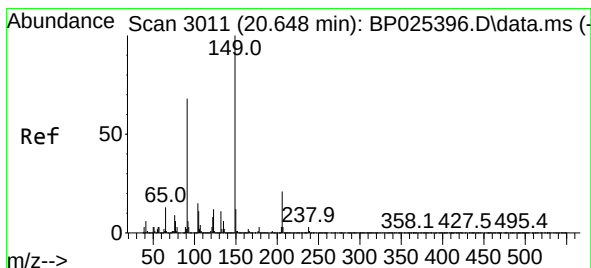
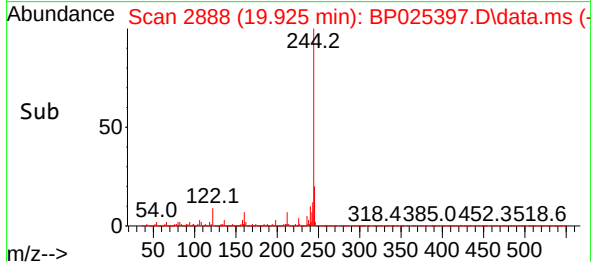
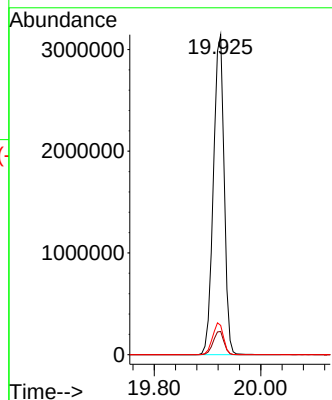
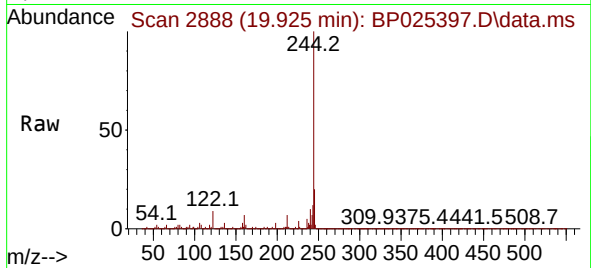




#79
 Terphenyl-d14
 Concen: 100.615 ng
 RT: 19.925 min Scan# 2888
 Delta R.T. 0.006 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

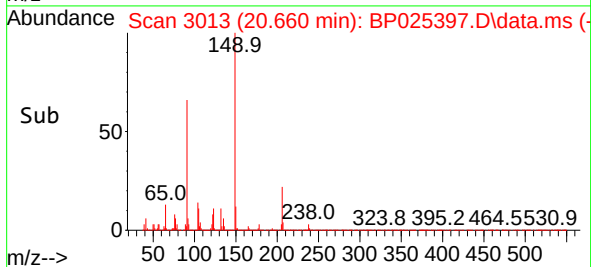
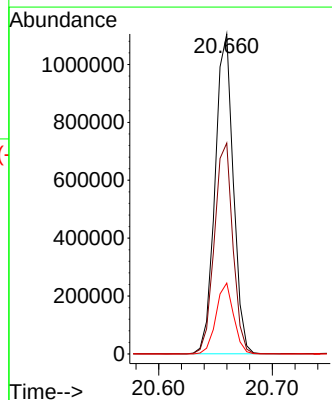
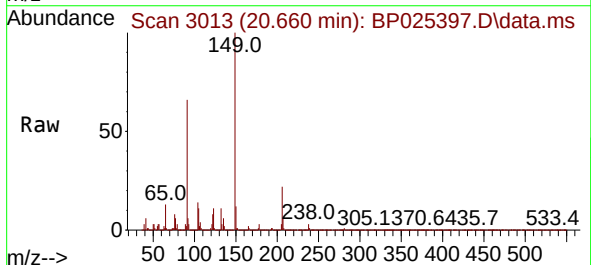
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

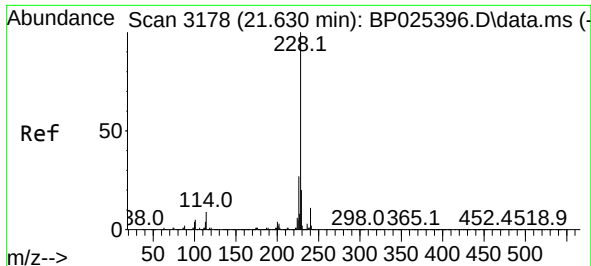
Tgt Ion:244 Resp: 4409094
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.2 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 52.139 ng
 RT: 20.660 min Scan# 3013
 Delta R.T. 0.012 min
 Lab File: BP025397.D
 Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1231376
 Ion Ratio Lower Upper
 149 100
 91 65.9 54.2 81.2
 206 22.2 16.6 24.8

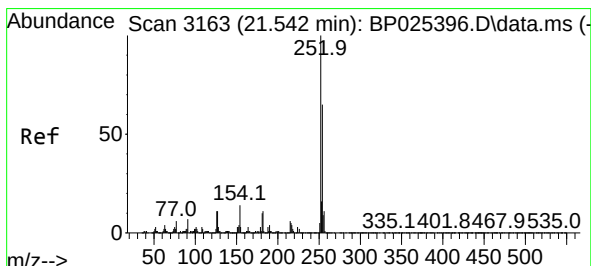
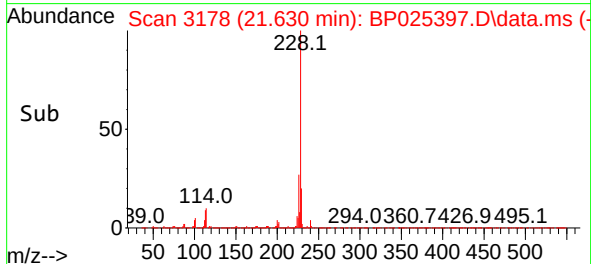
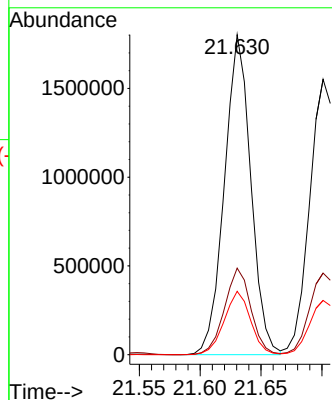
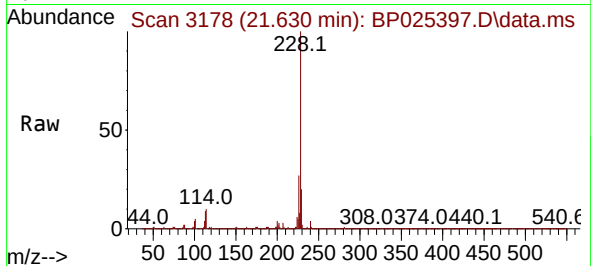




#81
Benzo(a)anthracene
Concen: 51.499 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

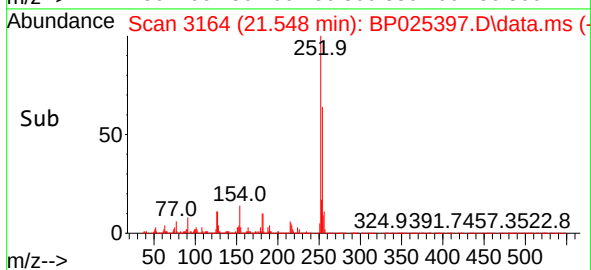
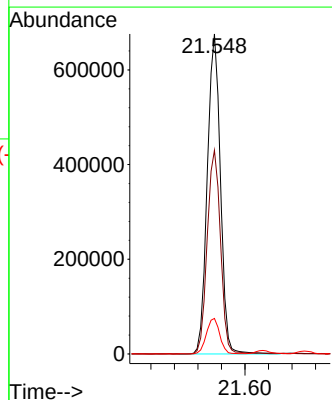
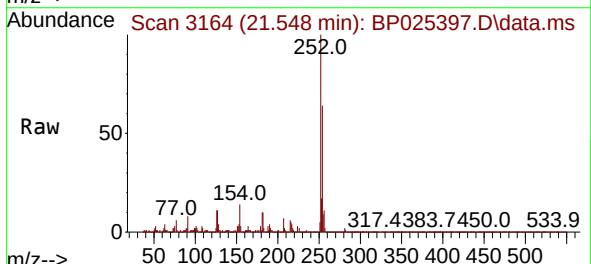
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

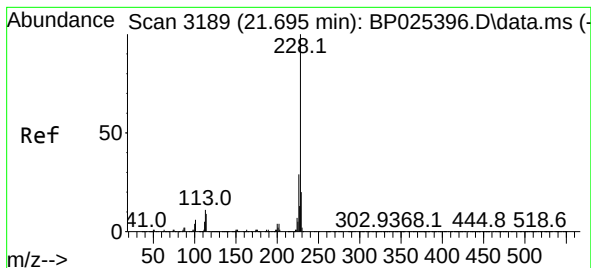
Tgt Ion:228 Resp: 2723006
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.8 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 52.357 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 1043476
Ion Ratio Lower Upper
252 100
254 63.7 51.8 77.6
126 11.1 9.1 13.7





#83

Chrysene

Concen: 51.817 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

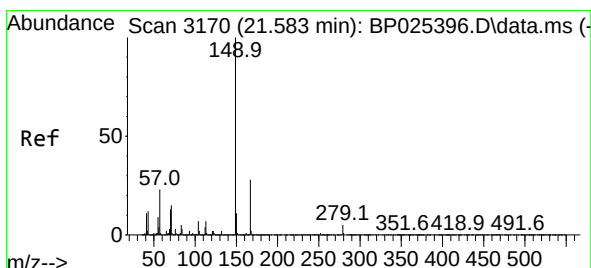
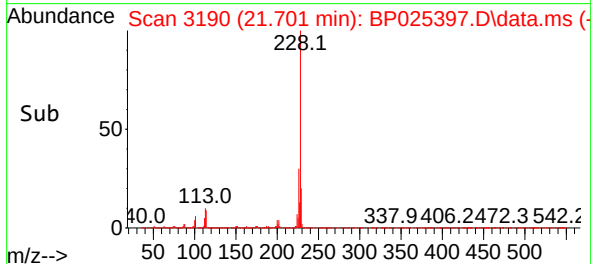
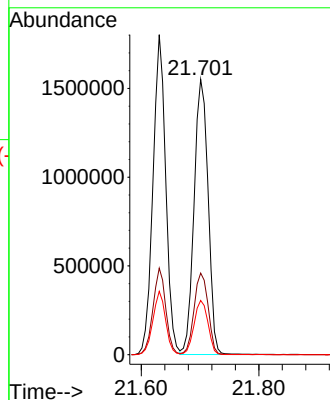
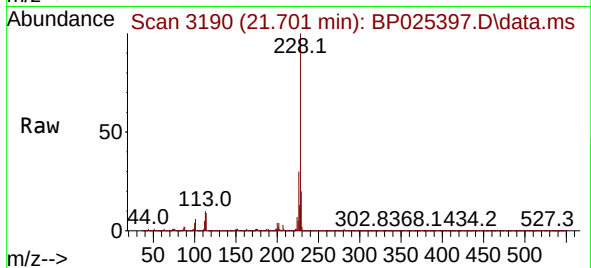
Tgt Ion:228 Resp: 2565856

Ion Ratio Lower Upper

228 100

226 29.6 23.2 34.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.933 ng

RT: 21.577 min Scan# 3169

Delta R.T. -0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

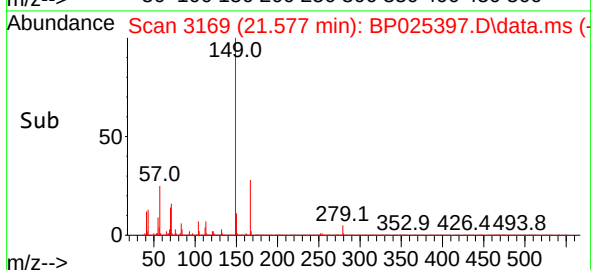
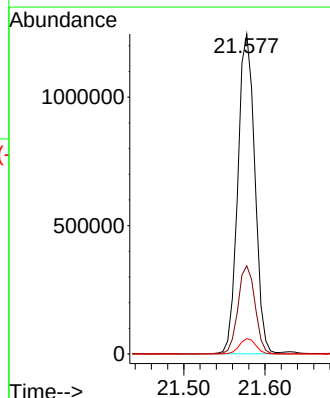
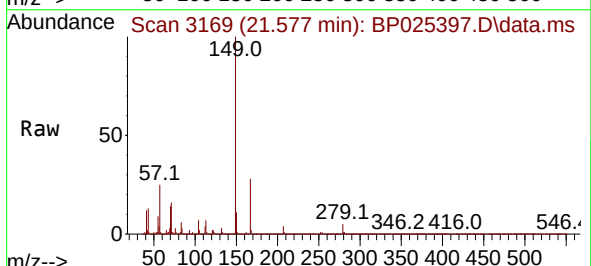
Tgt Ion:149 Resp: 1805478

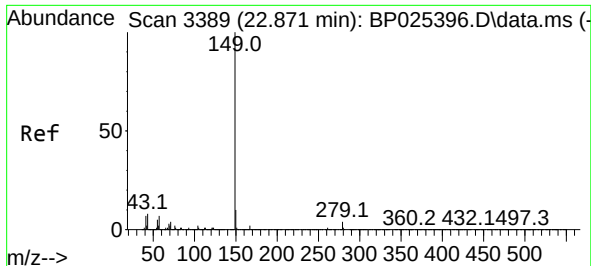
Ion Ratio Lower Upper

149 100

167 27.6 22.1 33.1

279 4.8 3.8 5.6

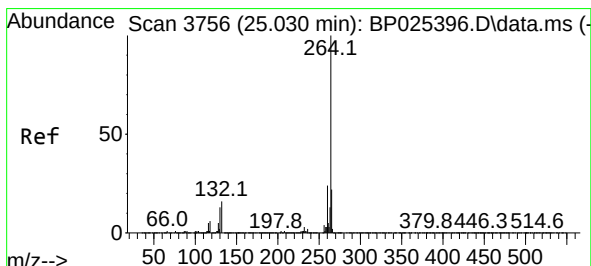
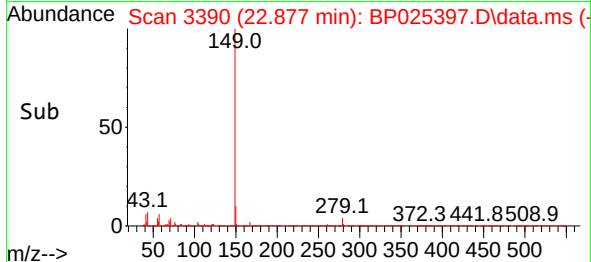
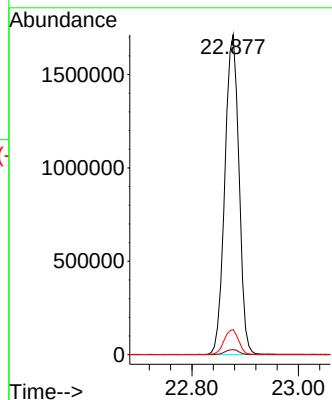
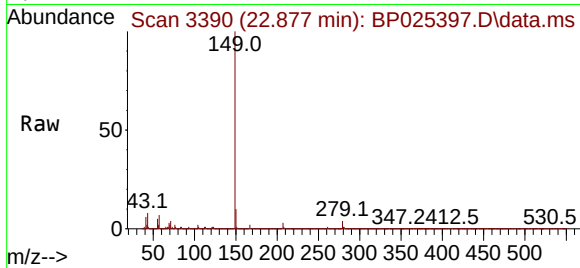




#85
Di-n-octyl phthalate
Concen: 52.690 ng
RT: 22.877 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

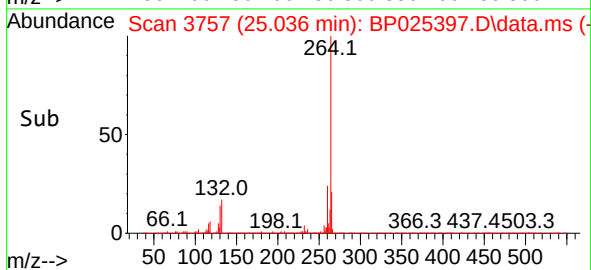
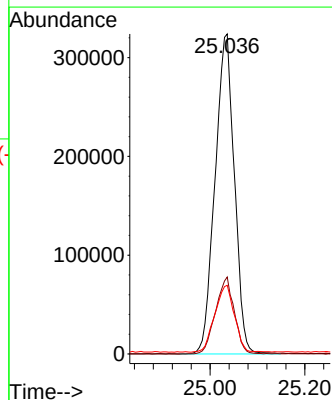
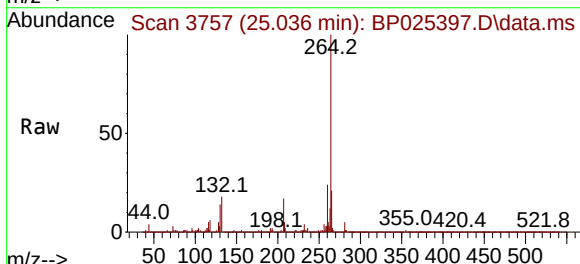
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

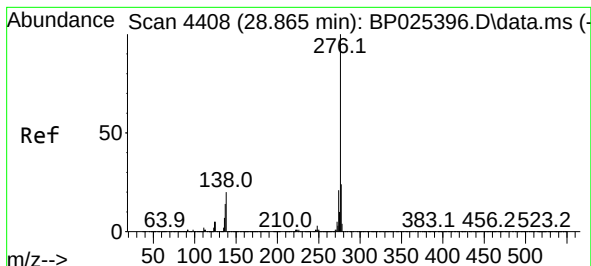
Tgt Ion:149 Resp: 3150824
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:264 Resp: 918939
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 21.464 ng

RT: 28.859 min Scan# 4408

Delta R.T. -0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

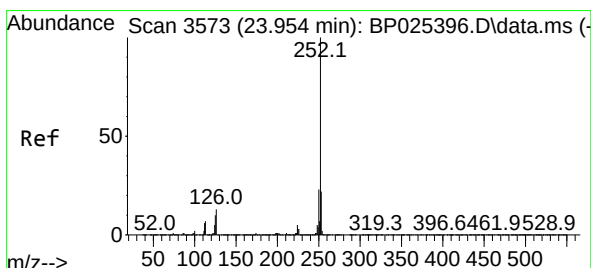
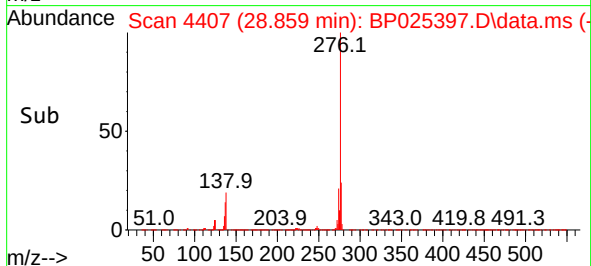
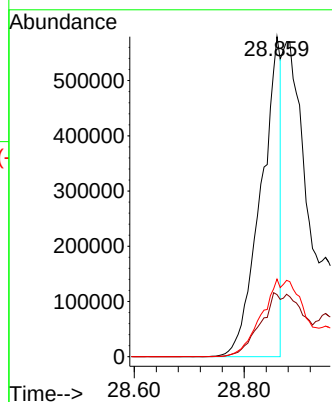
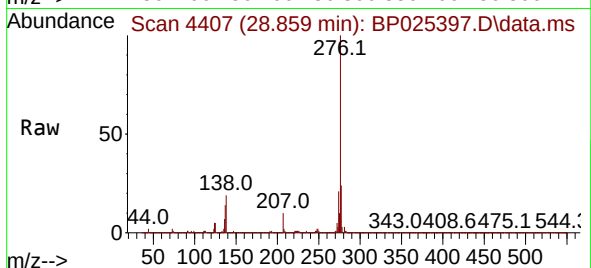
Tgt Ion:276 Resp: 1446981

Ion Ratio Lower Upper

276 100

138 20.6 12.9 19.3#

277 24.2 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 52.982 ng

RT: 23.960 min Scan# 3574

Delta R.T. 0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

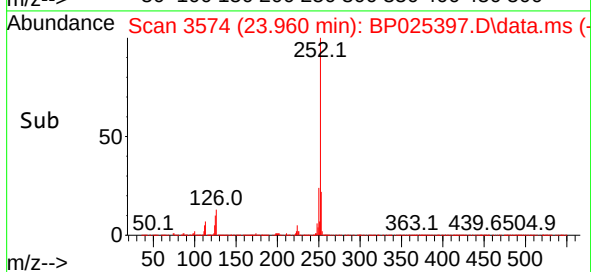
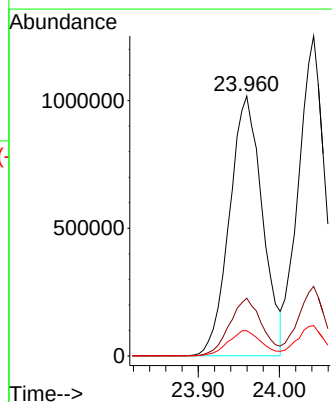
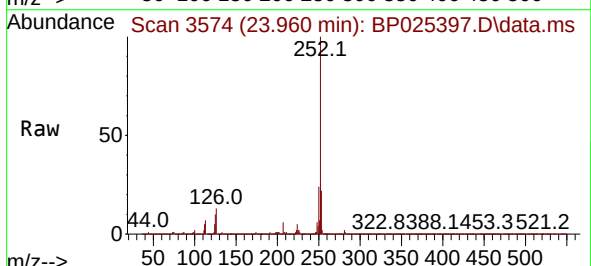
Tgt Ion:252 Resp: 2870971

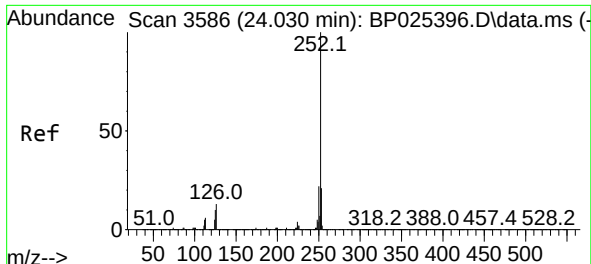
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.8 7.9 11.9

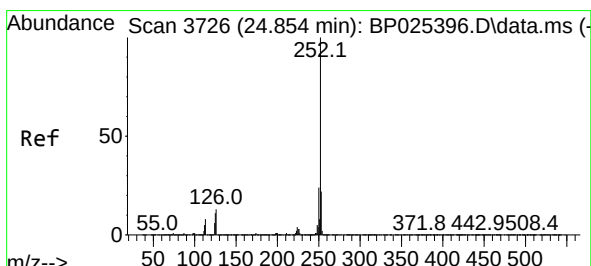
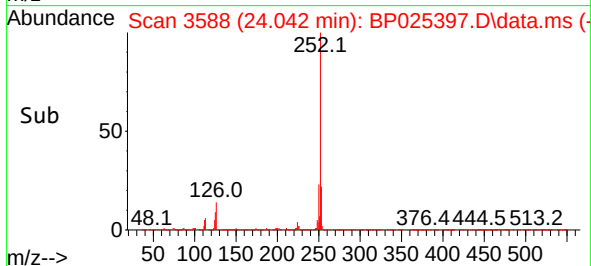
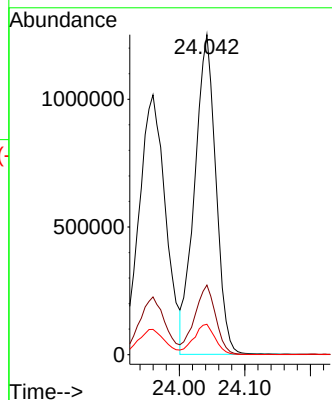
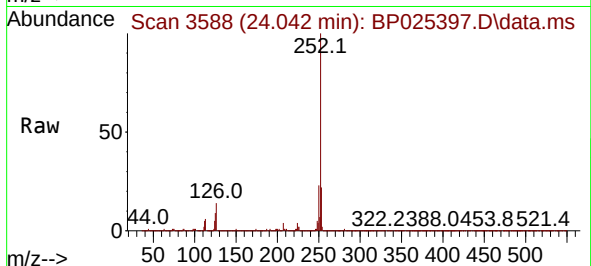




#89
Benzo(k)fluoranthene
Concen: 51.956 ng
RT: 24.042 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

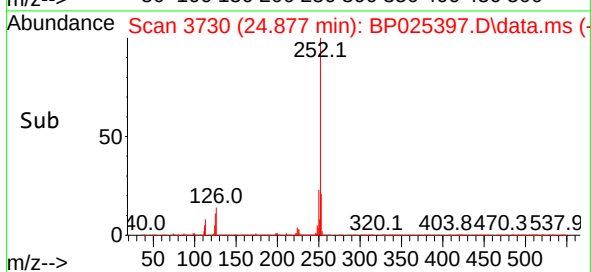
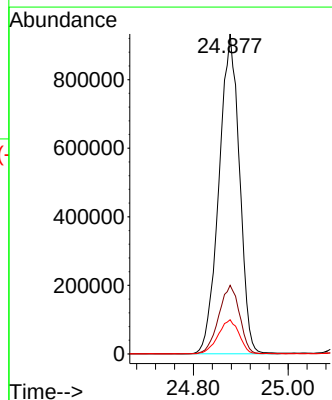
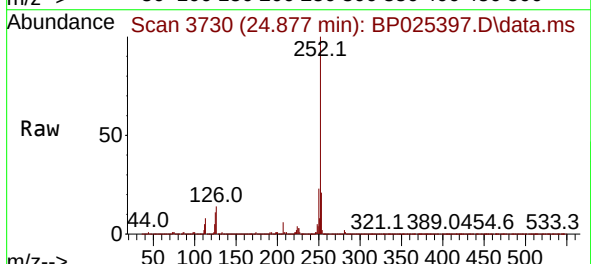
Instrument :
BNA_P
ClientSampleId :
SSTDIC050

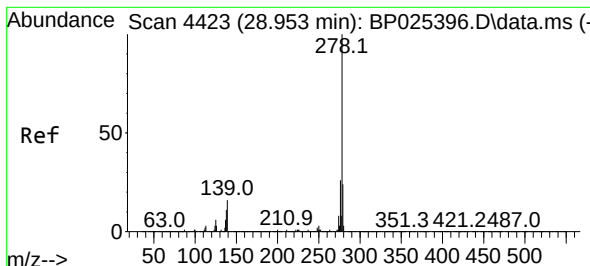
Tgt Ion:252 Resp: 2817276
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 9.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 53.100 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 2800880
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.7 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 53.795 ng

RT: 28.965 min Scan# 4425

Delta R.T. 0.012 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Instrument :

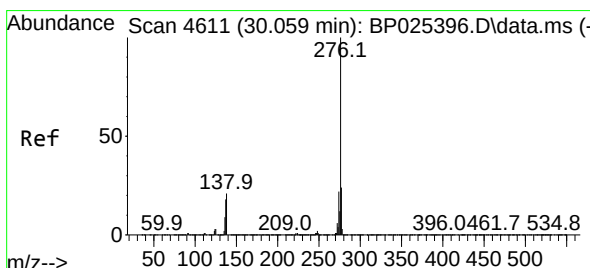
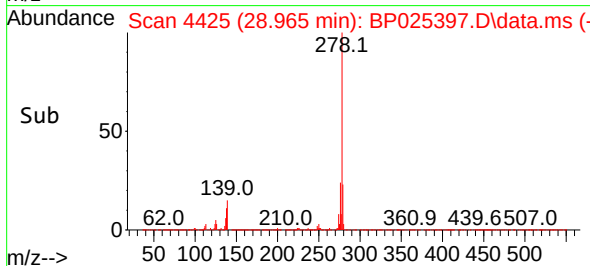
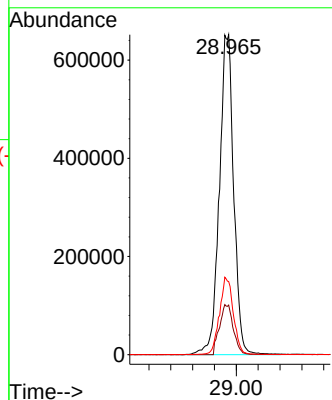
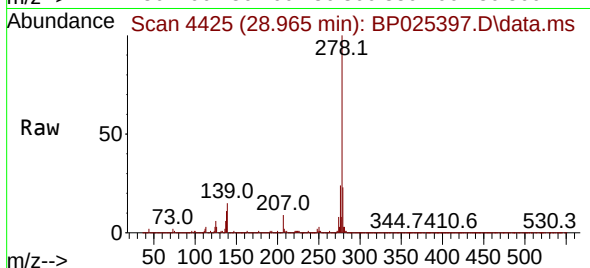
BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:278 Resp: 2962622

Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.0	19.4
279	22.9	19.4	29.2



#92

Benzo(g,h,i)perylene

Concen: 34.009 ng

RT: 30.053 min Scan# 4610

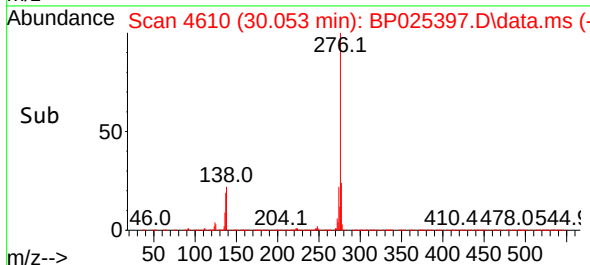
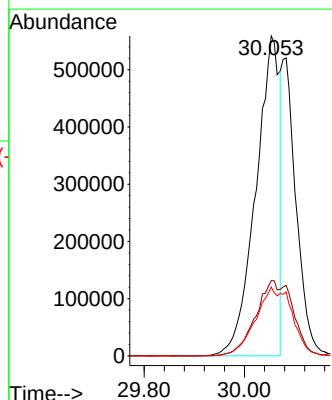
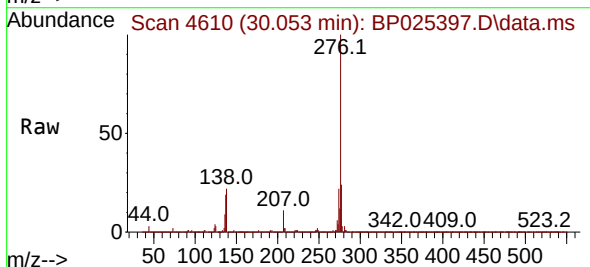
Delta R.T. -0.006 min

Lab File: BP025397.D

Acq: 14 Aug 2025 16:01

Tgt Ion:276 Resp: 1840881

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	21.6	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025399.D
 Acq On : 14 Aug 2025 17:24
 Operator : CG/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 14 17:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	159148	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	673018	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	436046	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	856946	20.000	ng	# 0.00
76) Chrysene-d12	21.660	240	888879	20.000	ng	0.01
86) Perylene-d12	25.030	264	1037707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1526166	159.254	ng	0.00
7) Phenol-d6	6.972	99	1989633	161.937	ng	0.00
23) Nitrobenzene-d5	8.937	82	2123522	159.609	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	936489	159.559	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	4712591	147.705	ng	0.00
79) Terphenyl-d14	19.930	244	7103816	146.217	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.337	88	291527	77.664	ng	99
3) Pyridine	3.731	79	807269	78.572	ng	97
4) n-Nitrosodimethylamine	3.637	42	344349	81.296	ng	99
6) Aniline	7.131	93	1333221	80.538	ng	100
8) 2-Chlorophenol	7.372	128	877073	81.104	ng	99
9) Benzaldehyde	6.943	77	582344	67.651	ng	98
10) Phenol	7.002	94	1040534	80.710	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	798672	79.481	ng	99
12) 1,3-Dichlorobenzene	7.684	146	950596	79.718	ng	98
13) 1,4-Dichlorobenzene	7.825	146	961421	78.882	ng	99
14) 1,2-Dichlorobenzene	8.143	146	922658	78.203	ng	99
15) Benzyl Alcohol	8.031	79	795618	81.498	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1059824	78.732	ng	99
17) 2-Methylphenol	8.225	107	734482	82.028	ng	100
18) Hexachloroethane	8.866	117	355791	79.395	ng	94
19) n-Nitroso-di-n-propyla...	8.596	70	636387	78.102	ng	99
20) 3+4-Methylphenols	8.555	107	1005632	81.023	ng	97
22) Acetophenone	8.607	105	1314548	77.886	ng	99
24) Nitrobenzene	8.978	77	947511	79.686	ng	99
25) Isophorone	9.507	82	1829675	77.708	ng	99
26) 2-Nitrophenol	9.678	139	511806	83.872	ng	99
27) 2,4-Dimethylphenol	9.743	122	842467	80.280	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	1103640	77.542	ng	99
29) 2,4-Dichlorophenol	10.213	162	844787	81.037	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	892771	78.123	ng	98
31) Naphthalene	10.613	128	2722703	77.835	ng	99
32) Benzoic acid	9.901	122	686791	88.861	ng	99
33) 4-Chloroaniline	10.713	127	1232431	79.761	ng	100
34) Hexachlorobutadiene	10.901	225	557922	78.393	ng	99
35) Caprolactam	11.519	113	302874	79.233	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	949779	79.399	ng	99
37) 2-Methylnaphthalene	12.213	142	1761325	77.372	ng	99
38) 1-Methylnaphthalene	12.437	142	1844376	76.186	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	995064	79.014	ng	100
41) Hexachlorocyclopentadiene	12.572	237	668771	87.916	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	706484	83.096	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025399.D
 Acq On : 14 Aug 2025 17:24
 Operator : CG/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Quant Time: Aug 14 17:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 17:44:43 2025
 Response via : Initial Calibration

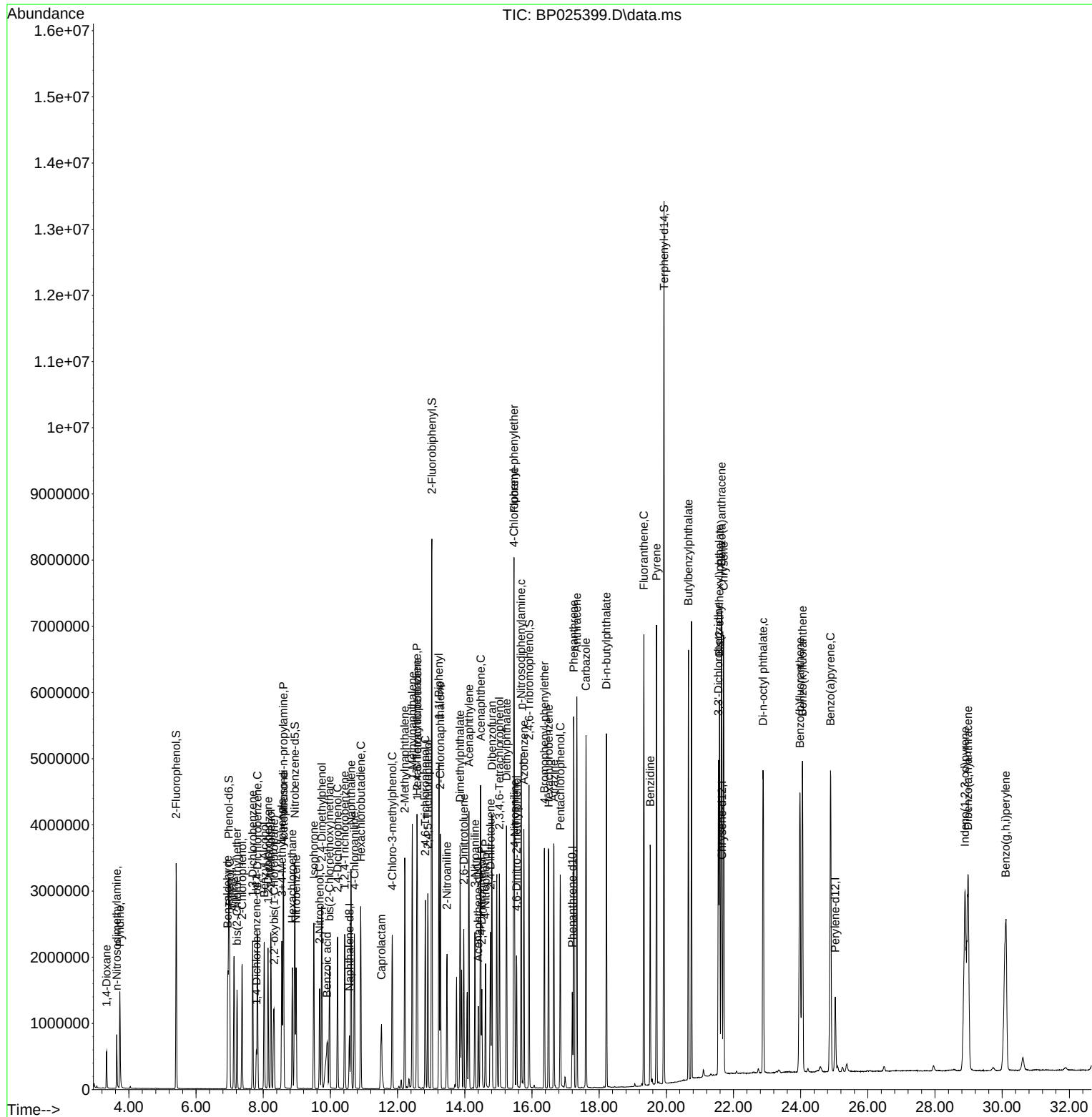
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	762861	81.870	ng	99
46) 1,1'-Biphenyl	13.231	154	2453536	77.476	ng	99
47) 2-Chloronaphthalene	13.272	162	1918120	77.804	ng	100
48) 2-Nitroaniline	13.472	65	594696	82.788	ng	96
49) Acenaphthylene	14.125	152	3194918	78.318	ng	100
50) Dimethylphthalate	13.860	163	2446951	76.632	ng	99
51) 2,6-Dinitrotoluene	13.972	165	542710	80.639	ng	99
52) Acenaphthene	14.472	154	1841448	76.902	ng	99
53) 3-Nitroaniline	14.301	138	618087	81.627	ng	100
54) 2,4-Dinitrophenol	14.507	184	339125	94.356	ng	100
55) Dibenzofuran	14.807	168	2915933	77.023	ng	99
56) 4-Nitrophenol	14.619	139	520294	83.618	ng	96
57) 2,4-Dinitrotoluene	14.766	165	791214	82.399	ng	99
58) Fluorene	15.466	166	2185593	73.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	661890	80.448	ng	100
60) Diethylphthalate	15.242	149	2494087	76.870	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	1105157	74.388	ng	97
62) 4-Nitroaniline	15.484	138	626525	80.710	ng	97
63) Azobenzene	15.760	77	2139674	77.017	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	472602	88.473	ng	93
66) n-Nitrosodiphenylamine	15.678	169	2034782	77.866	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	745915	79.144	ng	98
68) Hexachlorobenzene	16.495	284	860051	78.721	ng	97
69) Atrazine	16.654	200	783533	80.064	ng	98
70) Pentachlorophenol	16.842	266	589673	85.502	ng	98
71) Phenanthrene	17.242	178	3623454	76.972	ng	99
72) Anthracene	17.336	178	3702277	77.014	ng	99
73) Carbazole	17.607	167	3503273	77.368	ng	99
74) Di-n-butylphthalate	18.219	149	4336701	77.844	ng	100
75) Fluoranthene	19.330	202	4313301	76.815	ng	99
77) Benzidine	19.525	184	2036246	67.124	ng	99
78) Pyrene	19.707	202	4410693	76.343	ng	99
80) Butylbenzylphthalate	20.660	149	2054404	78.460	ng	97
81) Benzo(a)anthracene	21.642	228	4532763	77.322	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1705746	77.197	ng	100
83) Chrysene	21.707	228	4218161	76.835	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	3021891	78.400	ng	100
85) Di-n-octyl phthalate	22.877	149	5302080	79.974	ng	100
87) Indeno(1,2,3-cd)pyrene	28.895	276	5473121	71.894	ng	95
88) Benzo(b)fluoranthene	23.977	252	4876398	79.692	ng	100
89) Benzo(k)fluoranthene	24.054	252	4734637	77.323	ng	99
90) Benzo(a)pyrene	24.889	252	4735685	79.505	ng	99
91) Dibenzo(a,h)anthracene	28.983	278	5046260	81.142	ng	99
92) Benzo(g,h,i)perylene	30.106	276	4949477	80.973	ng	98

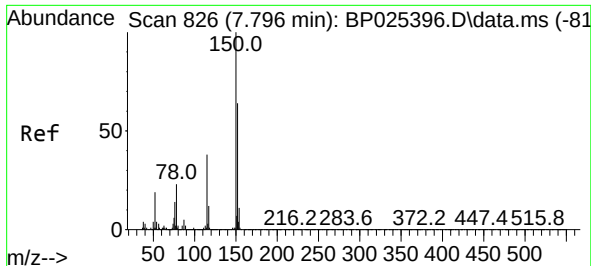
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Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

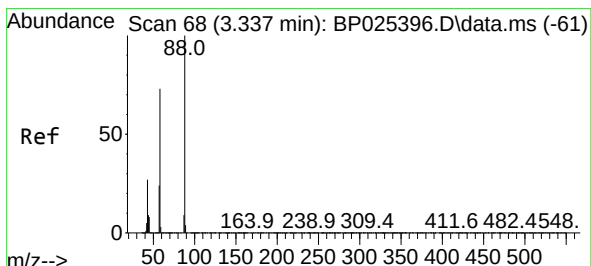
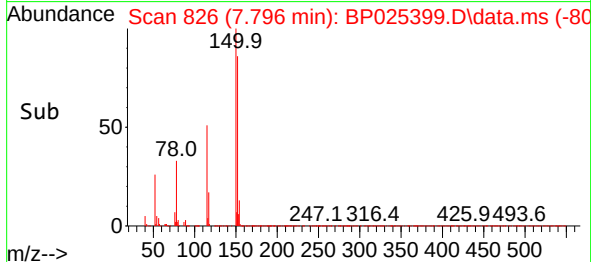
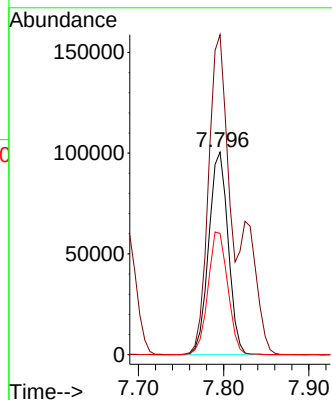
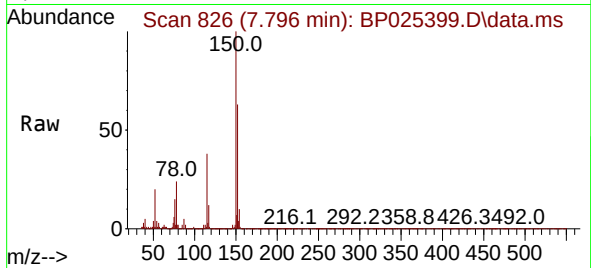




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.796 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

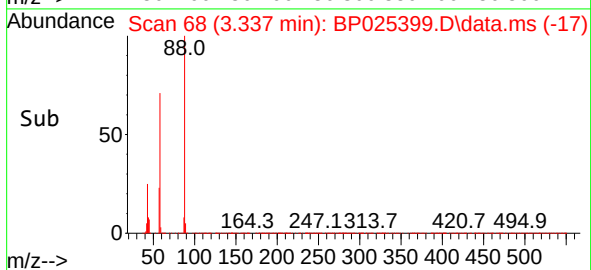
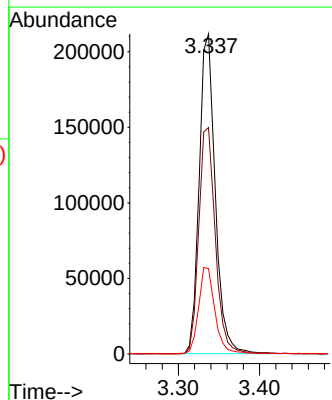
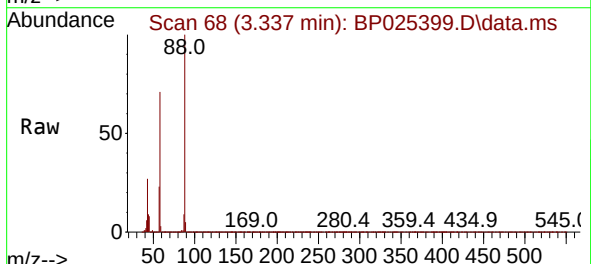
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

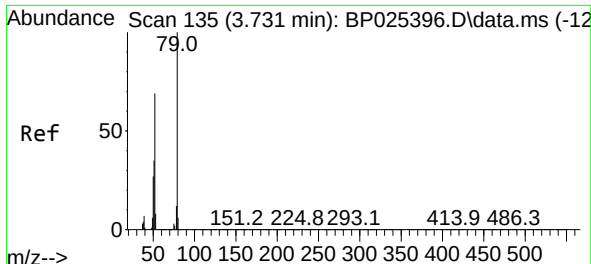
Tgt Ion:152 Resp: 159148
 Ion Ratio Lower Upper
 152 100
 150 157.9 125.9 188.9
 115 59.9 48.5 72.7



#2
 1,4-Dioxane
 Concen: 77.664 ng
 RT: 3.337 min Scan# 68
 Delta R.T. 0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

Tgt Ion: 88 Resp: 291527
 Ion Ratio Lower Upper
 88 100
 58 73.3 59.2 88.8
 43 27.4 21.7 32.5

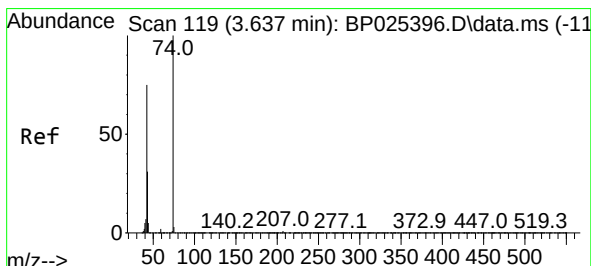
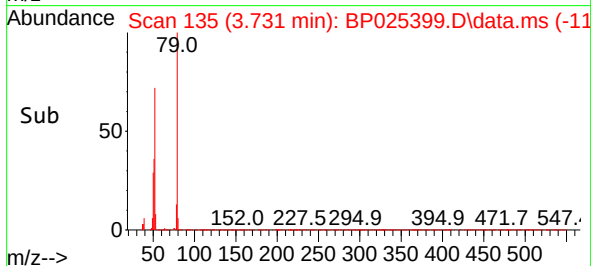
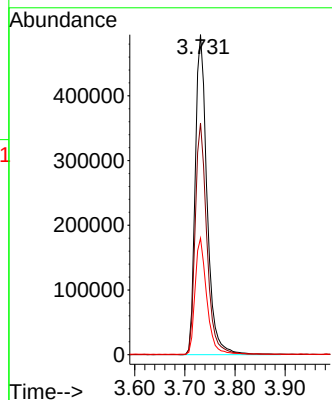
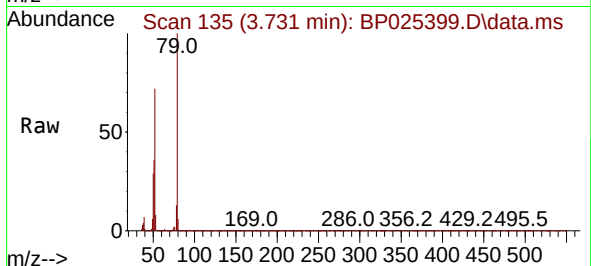




#3
Pyridine
Concen: 78.572 ng
RT: 3.731 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

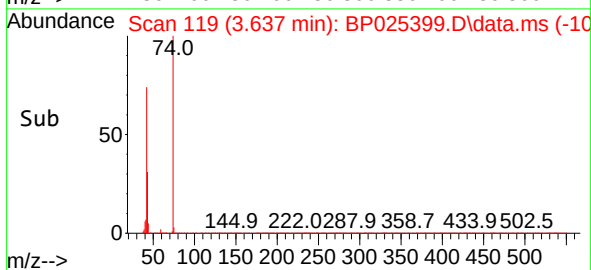
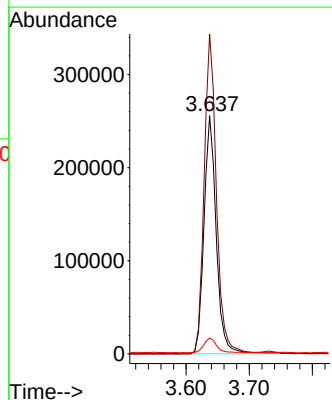
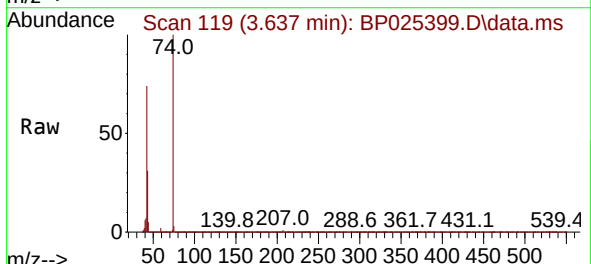
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

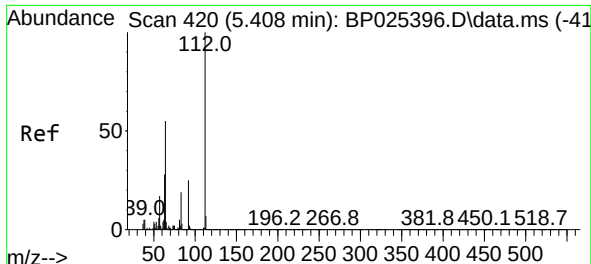
Tgt Ion: 79 Resp: 807269
Ion Ratio Lower Upper
79 100
52 72.4 55.5 83.3
51 36.4 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 81.296 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 42 Resp: 344349
Ion Ratio Lower Upper
42 100
74 134.3 107.0 160.4
44 6.7 6.2 9.4

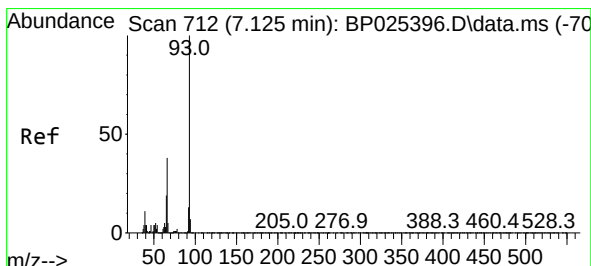
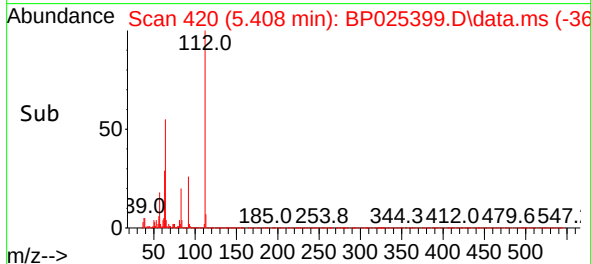
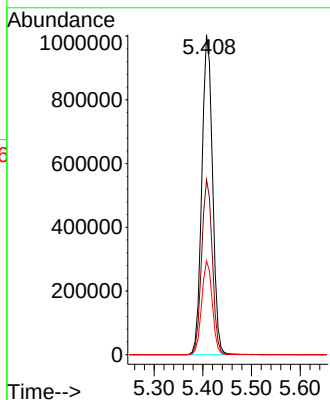
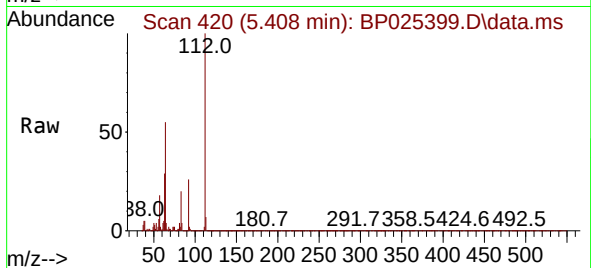




#5
2-Fluorophenol
Concen: 159.254 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

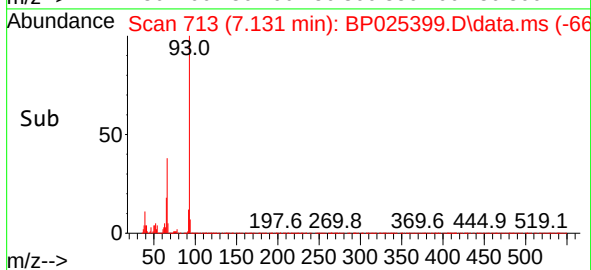
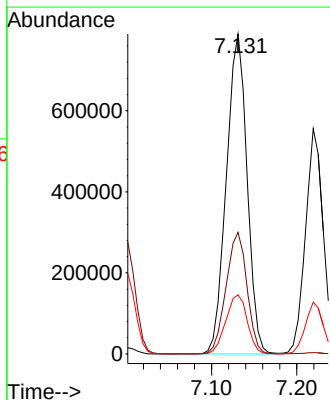
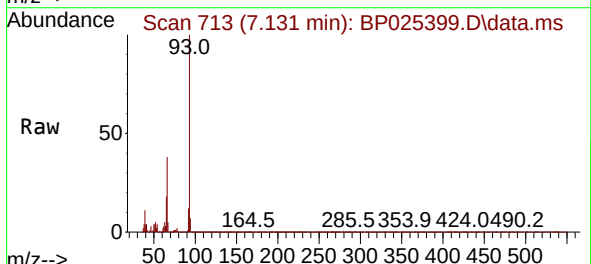
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

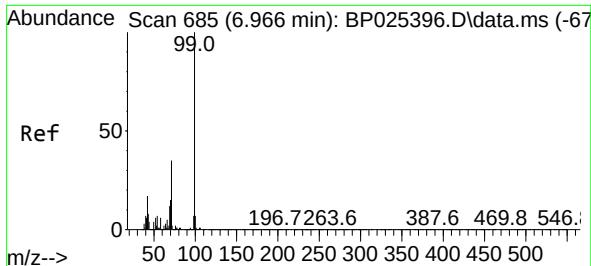
Tgt Ion:112 Resp: 1526166
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 29.3 22.7 34.1



#6
Aniline
Concen: 80.538 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1333221
Ion Ratio Lower Upper
93 100
66 38.0 30.4 45.6
65 18.5 15.3 22.9

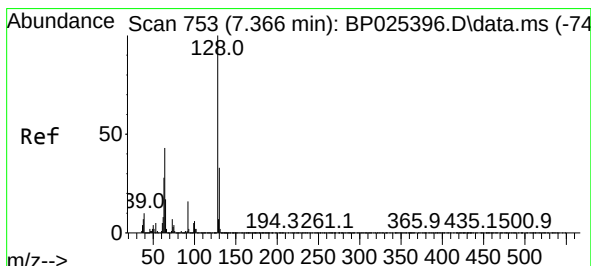
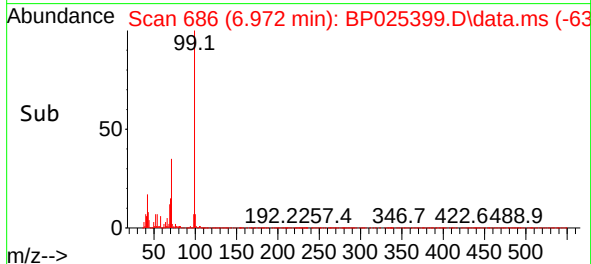
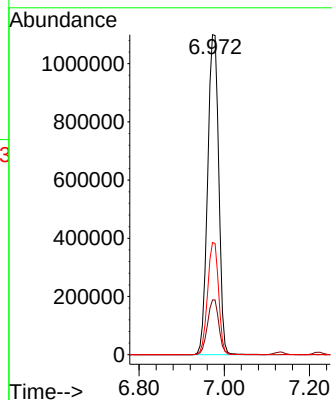
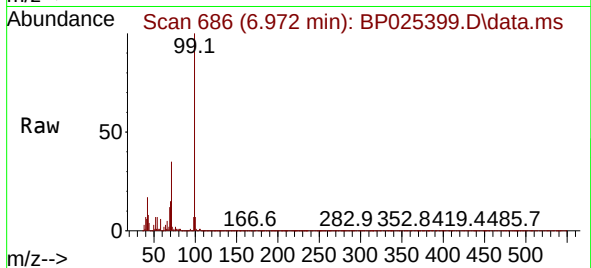




#7
Phenol-d6
Concen: 161.937 ng
RT: 6.972 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

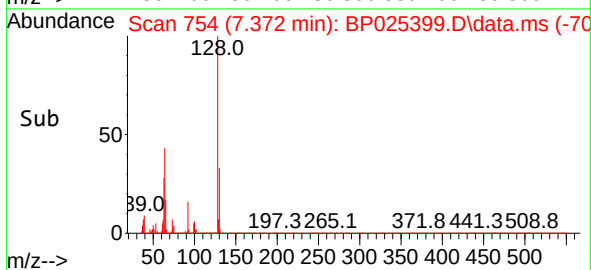
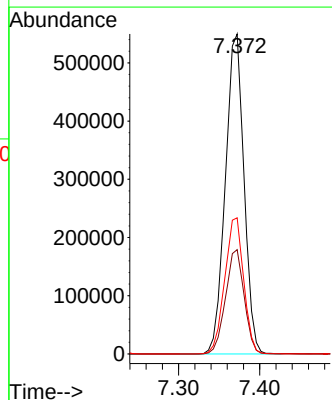
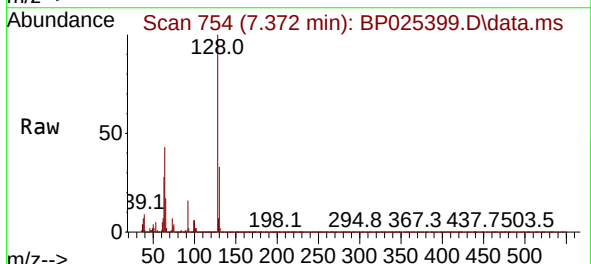
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

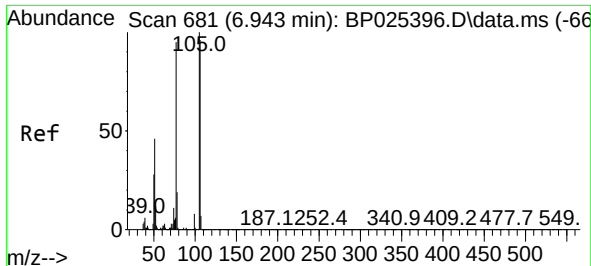
Tgt Ion: 99 Resp: 1989633
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 35.1 28.2 42.4



#8
2-Chlorophenol
Concen: 81.104 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 128 Resp: 877073
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 42.5 23.4 63.4

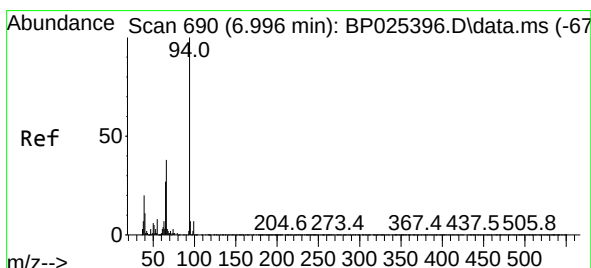
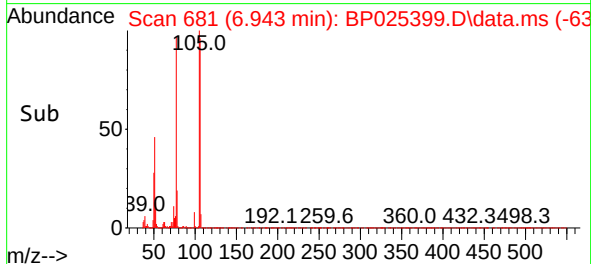
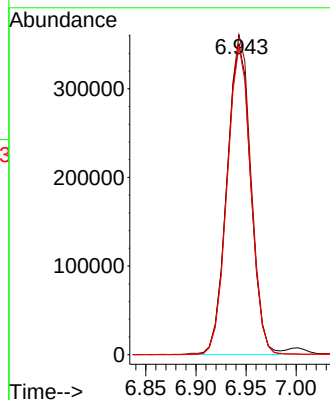
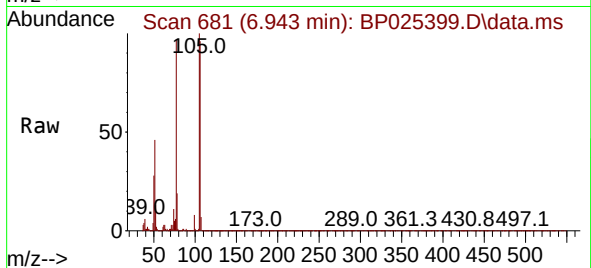




#9
Benzaldehyde
Concen: 67.651 ng
RT: 6.943 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

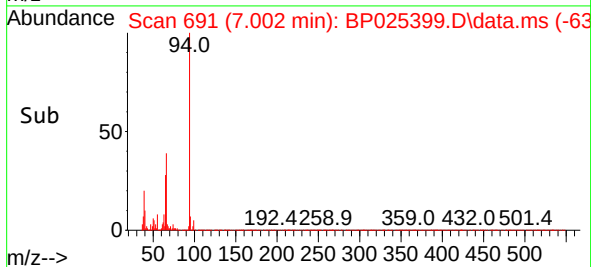
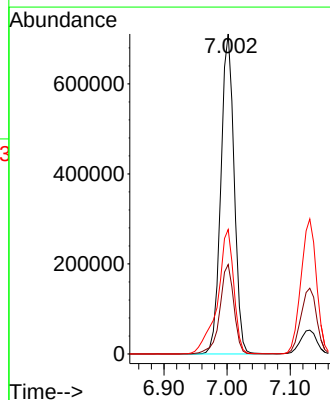
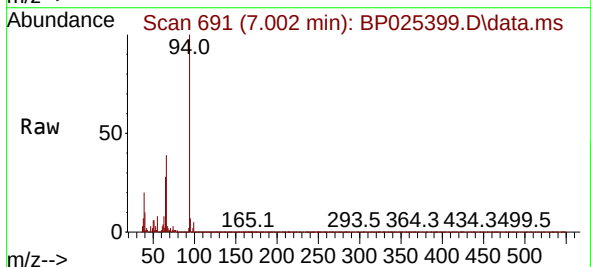
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

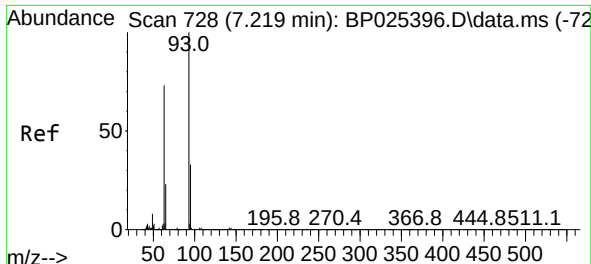
Tgt Ion: 77 Resp: 582344
Ion Ratio Lower Upper
77 100
105 103.0 84.8 124.8
106 99.3 80.5 120.5



#10
Phenol
Concen: 80.710 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 94 Resp: 1040534
Ion Ratio Lower Upper
94 100
65 28.0 6.8 46.8
66 38.9 18.2 58.2

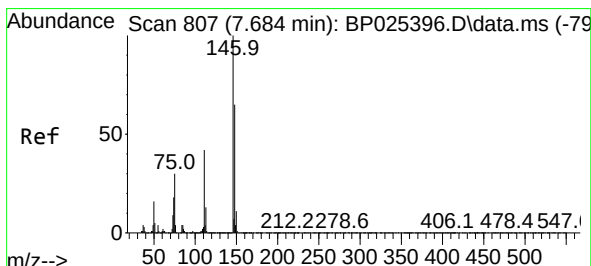
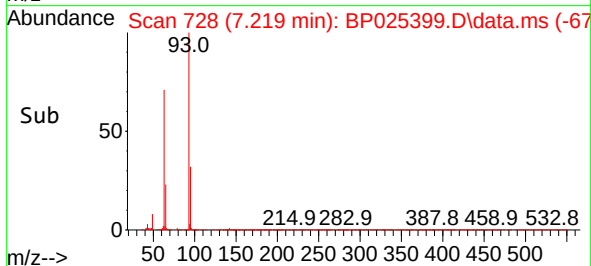
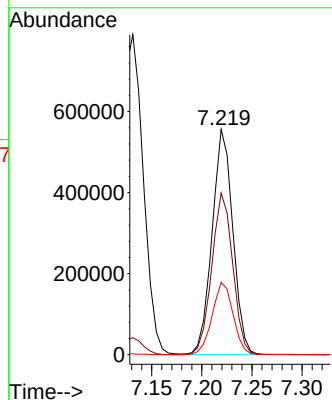
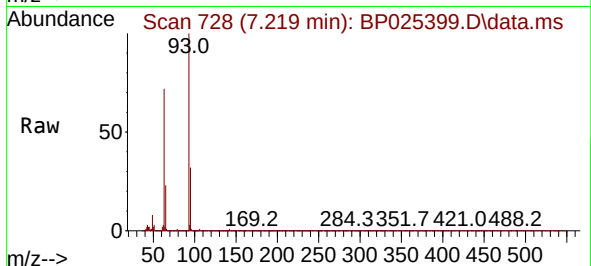




#11
bis(2-Chloroethyl)ether
Concen: 79.481 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

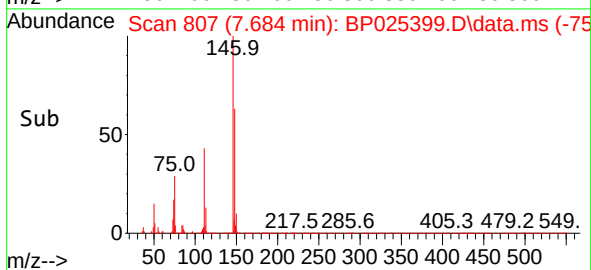
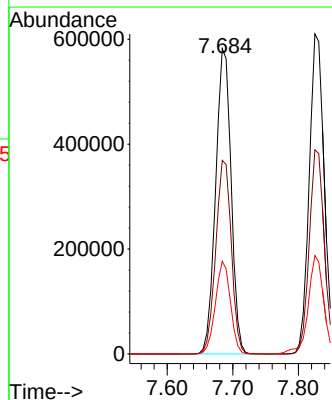
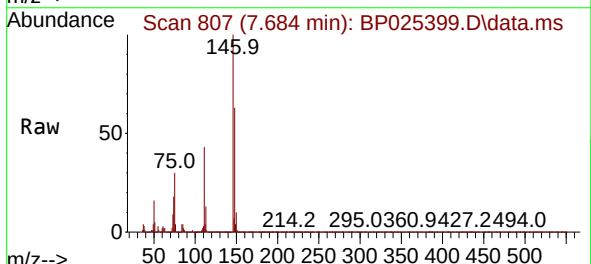
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

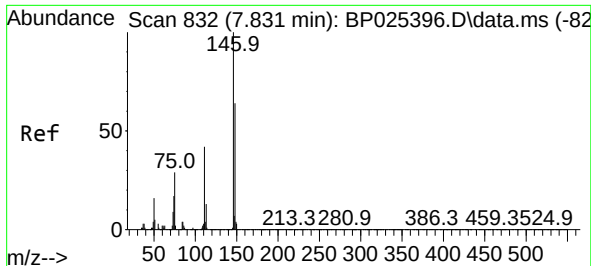
Tgt Ion: 93 Resp: 798672
Ion Ratio Lower Upper
93 100
63 71.7 52.6 92.6
95 32.2 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 79.718 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 146 Resp: 950596
Ion Ratio Lower Upper
146 100
148 63.4 51.9 77.9
75 30.3 23.7 35.5

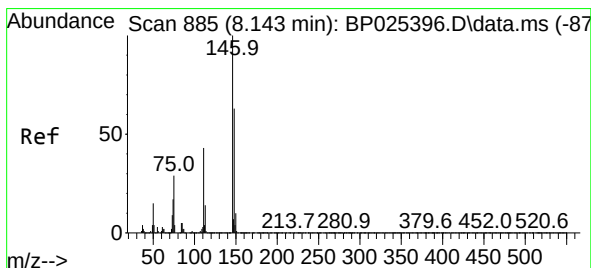
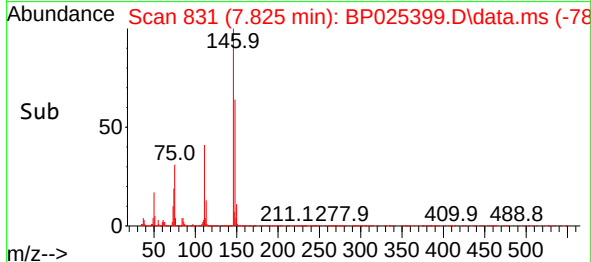
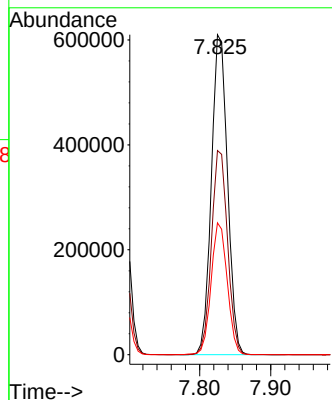
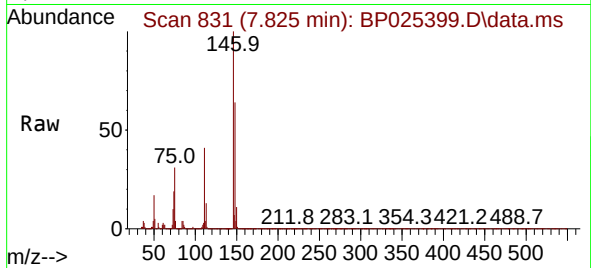




#13
1,4-Dichlorobenzene
Concen: 78.882 ng
RT: 7.825 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

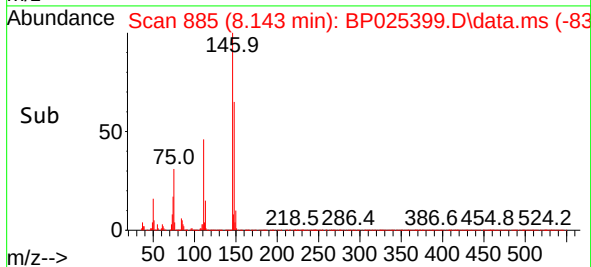
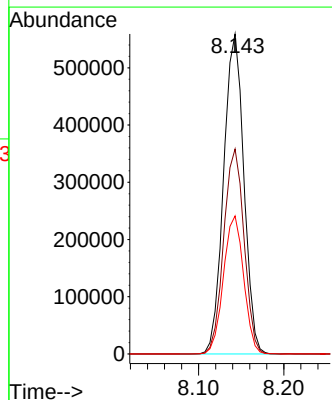
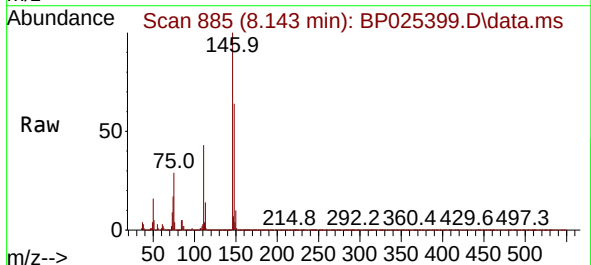
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

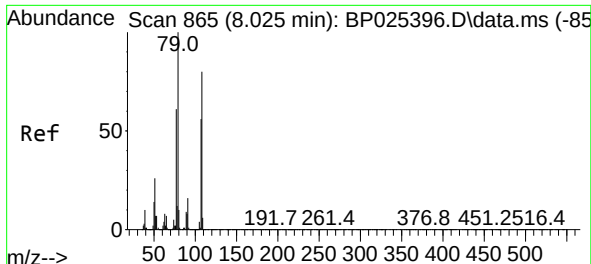
Tgt Ion:146 Resp: 961421
Ion Ratio Lower Upper
146 100
148 63.8 51.6 77.4
111 41.2 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 78.203 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:146 Resp: 922658
Ion Ratio Lower Upper
146 100
148 64.1 50.4 75.6
111 43.1 34.5 51.7

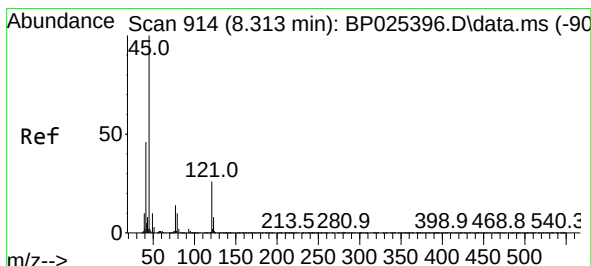
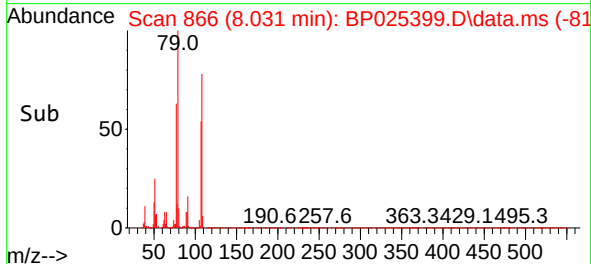
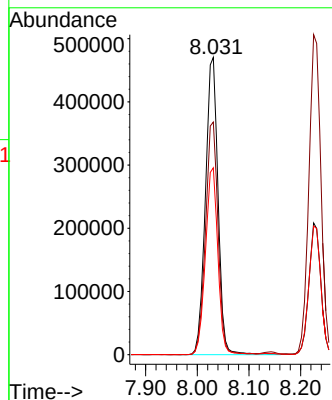
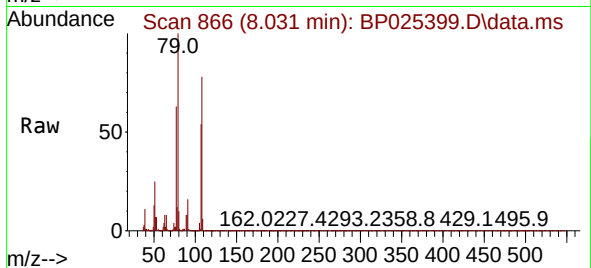




#15
Benzyl Alcohol
Concen: 81.498 ng
RT: 8.031 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

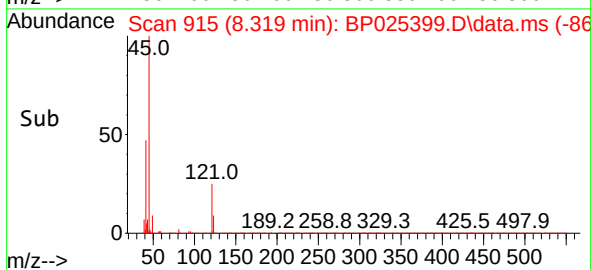
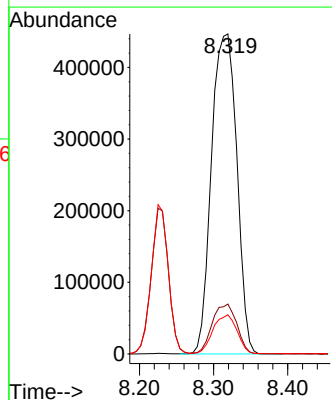
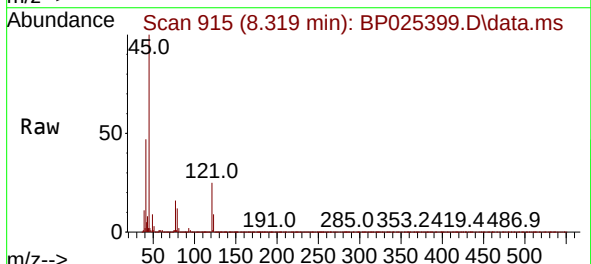
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

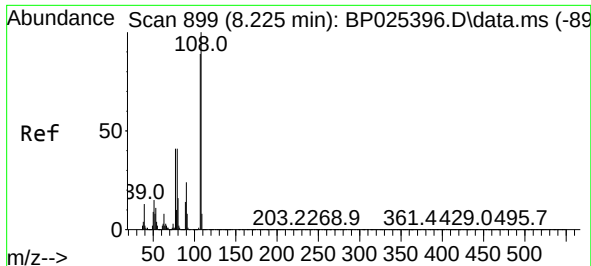
Tgt Ion: 79 Resp: 795618
Ion Ratio Lower Upper
79 100
108 78.3 63.8 95.6
77 62.8 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 78.732 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 45 Resp: 1059824
Ion Ratio Lower Upper
45 100
77 15.6 0.0 35.3
79 12.2 0.0 31.8

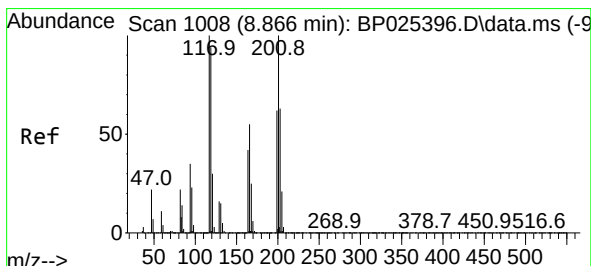
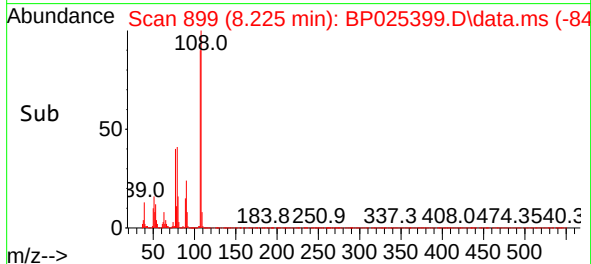
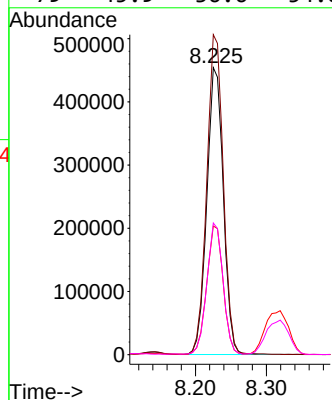
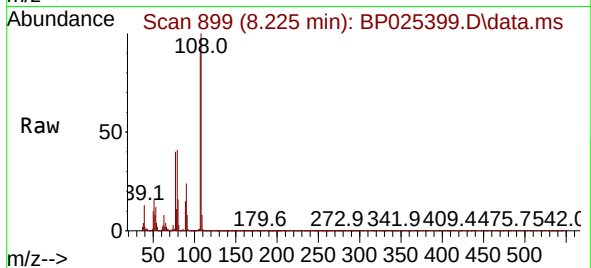




#17
2-Methylphenol
Concen: 82.028 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

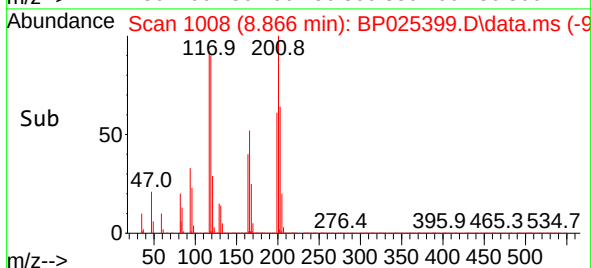
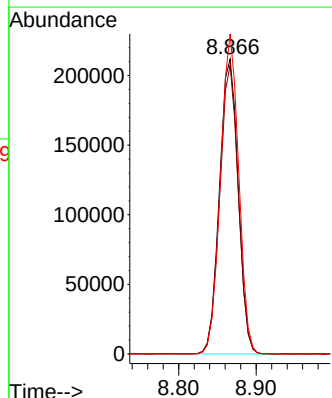
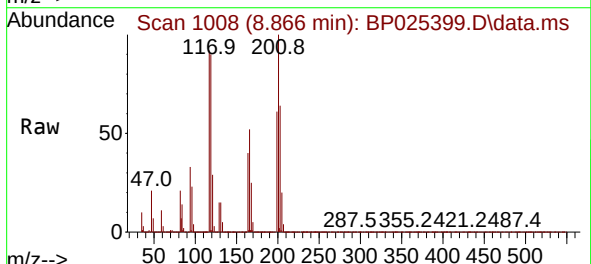
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

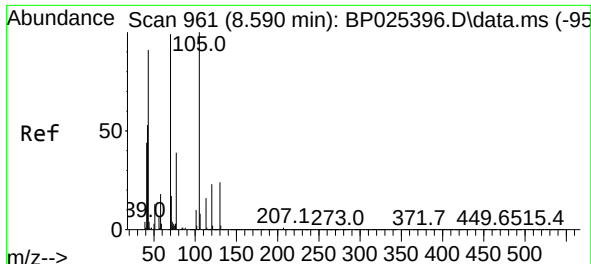
Tgt Ion:	107	Resp:	734482
Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.4	134.0
77	44.8	36.3	54.5
79	45.9	36.6	54.8



#18
Hexachloroethane
Concen: 79.395 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:	117	Resp:	355791
Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.1	112.7
201	108.5	80.1	120.1

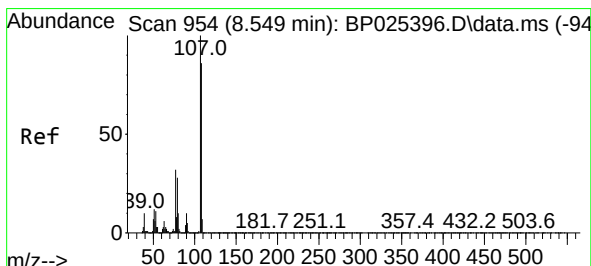
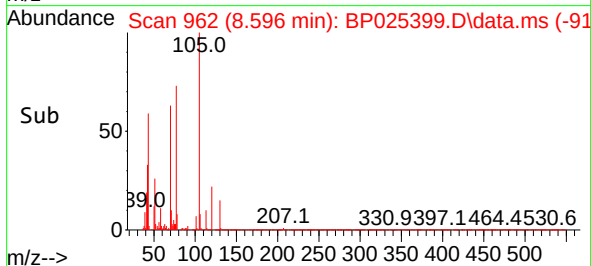
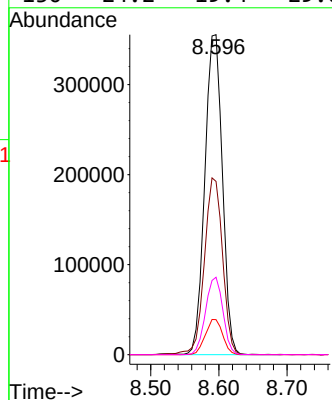
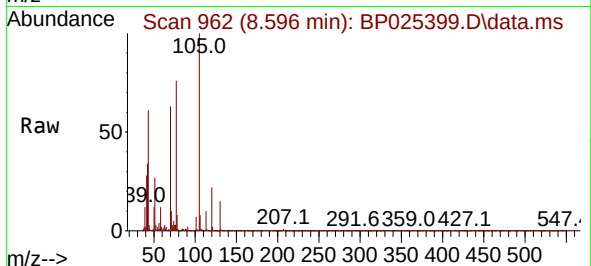




#19
n-Nitroso-di-n-propylamine
Concen: 78.102 ng
RT: 8.596 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

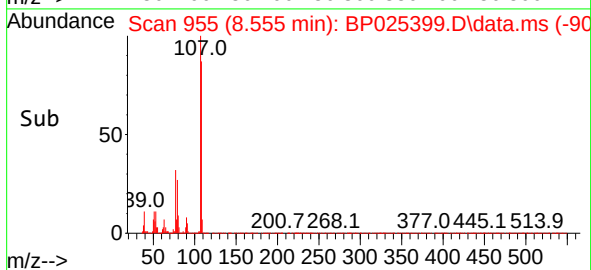
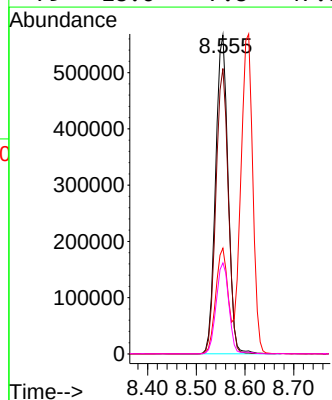
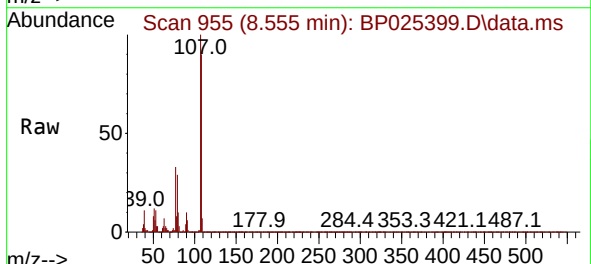
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

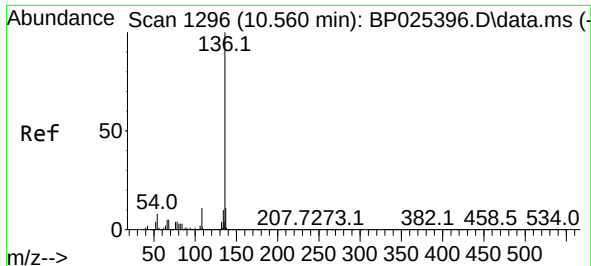
Tgt Ion: 70 Resp: 636387
Ion Ratio Lower Upper
70 100
42 54.2 43.8 65.6
101 11.0 8.5 12.7
130 24.2 19.4 29.0



#20
3+4-Methylphenols
Concen: 81.023 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 107 Resp: 1005632
Ion Ratio Lower Upper
107 100
108 89.6 66.3 106.3
77 33.2 12.3 52.3
79 28.6 7.8 47.8

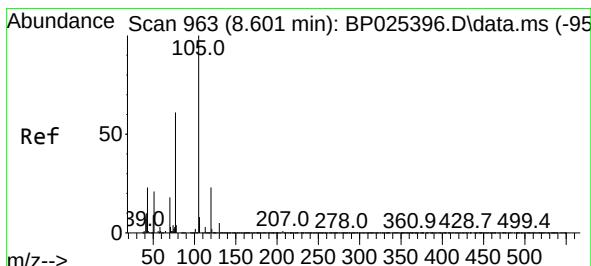
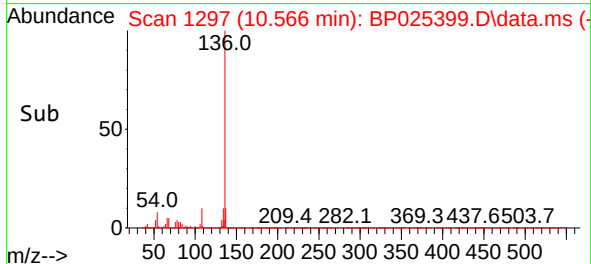
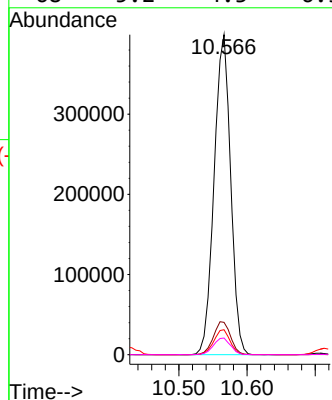
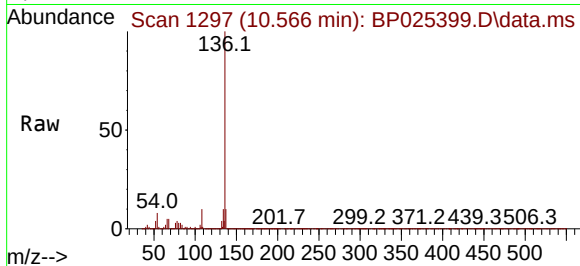




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

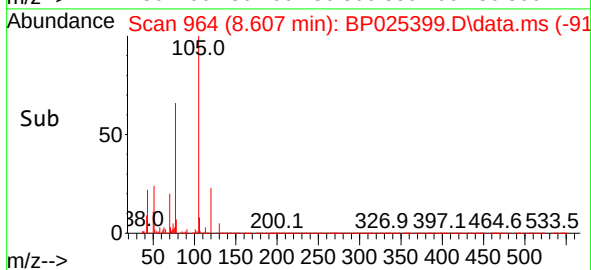
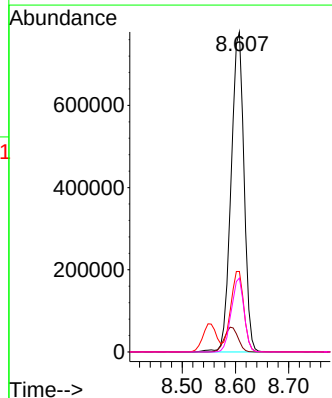
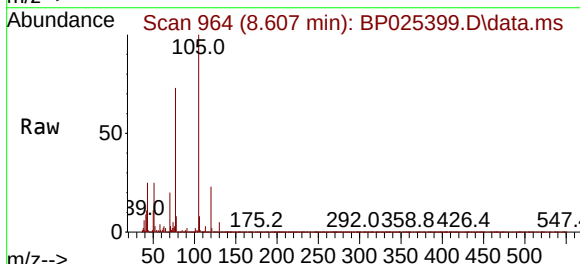
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

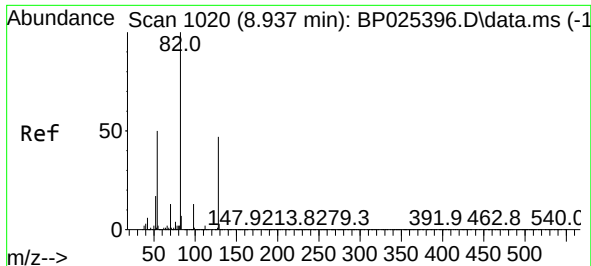
Tgt Ion:	136	Resp:	673018
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.2	13.8
54	7.8	6.0	9.0
68	5.2	4.3	6.5



#22
Acetophenone
Concen: 77.886 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:	105	Resp:	1314548
Ion	Ratio	Lower	Upper
105	100		
71	3.4	2.6	4.0
51	25.1	20.6	30.8
120	23.1	18.6	27.8

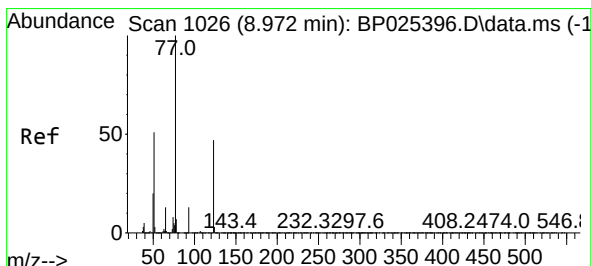
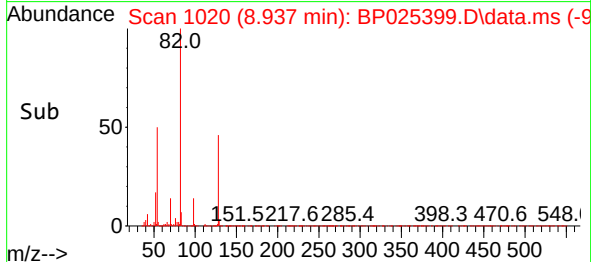
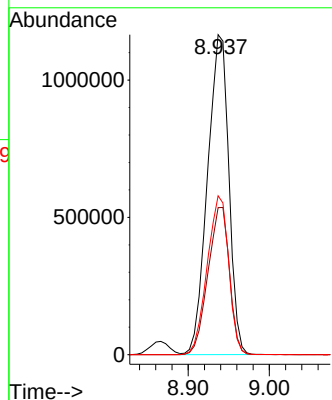
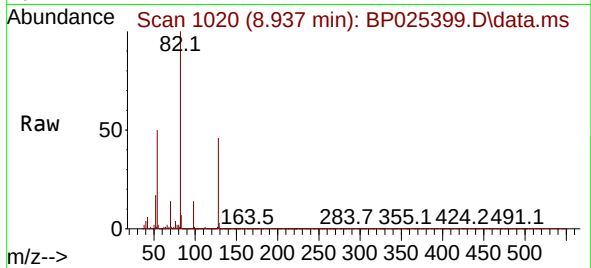




#23
Nitrobenzene-d5
Concen: 159.609 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

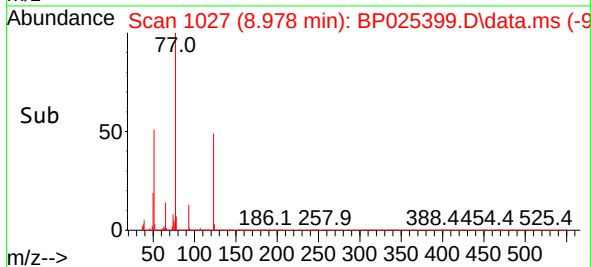
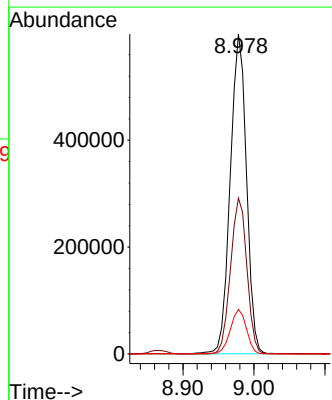
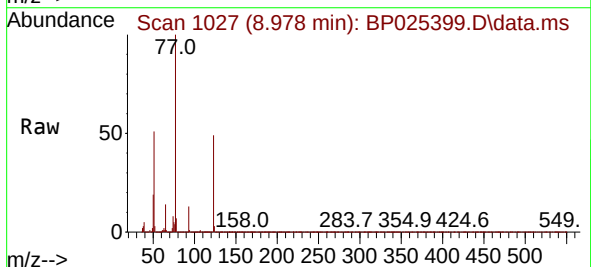
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

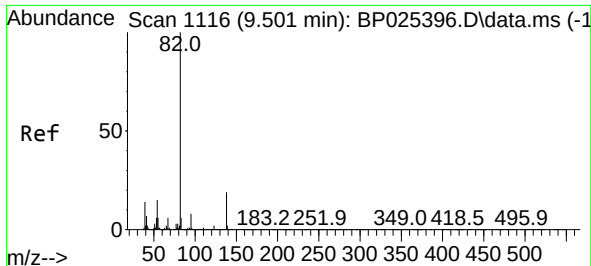
Tgt Ion: 82 Resp: 2123522
Ion Ratio Lower Upper
82 100
128 46.0 37.7 56.5
54 49.7 39.8 59.6



#24
Nitrobenzene
Concen: 79.686 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 77 Resp: 947511
Ion Ratio Lower Upper
77 100
123 48.7 38.6 58.0
65 13.9 10.6 15.8

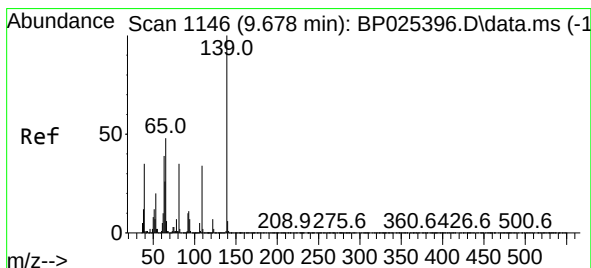
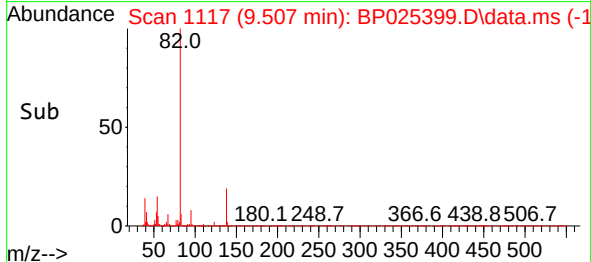
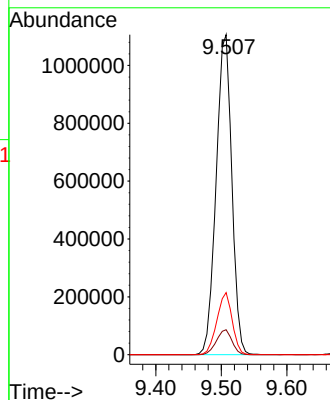
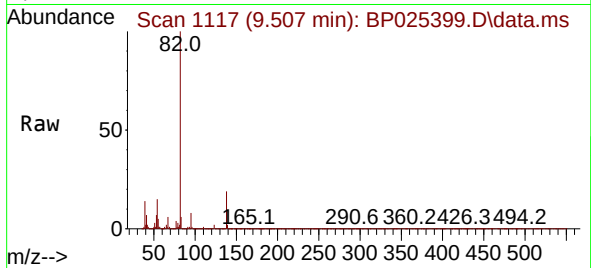




#25
Isophorone
Concen: 77.708 ng
RT: 9.507 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

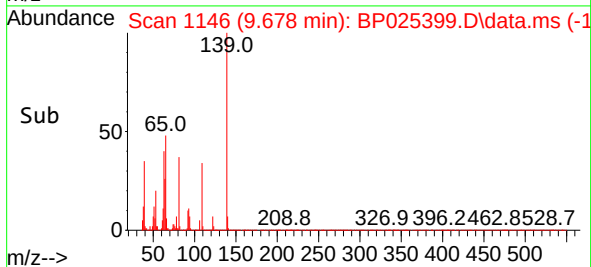
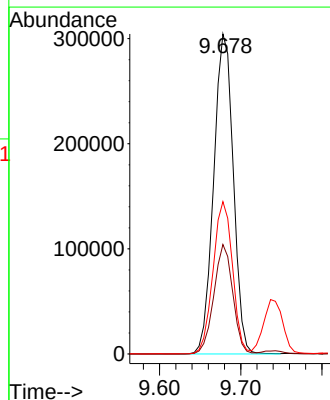
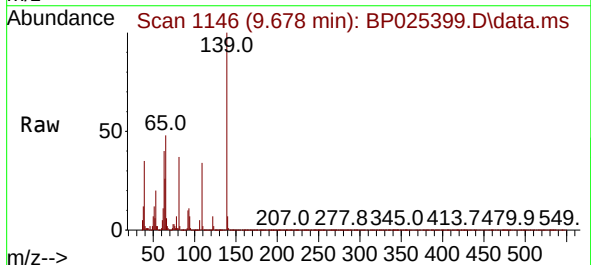
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

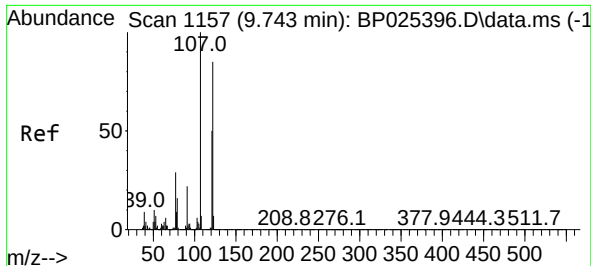
Tgt Ion: 82 Resp: 1829675
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 19.4 15.4 23.0



#26
2-Nitrophenol
Concen: 83.872 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 139 Resp: 511806
Ion Ratio Lower Upper
139 100
109 34.2 26.9 40.3
65 47.6 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 80.280 ng

RT: 9.743 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

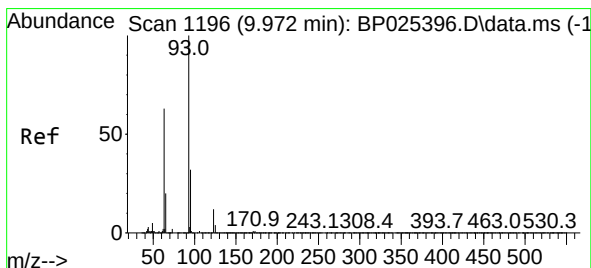
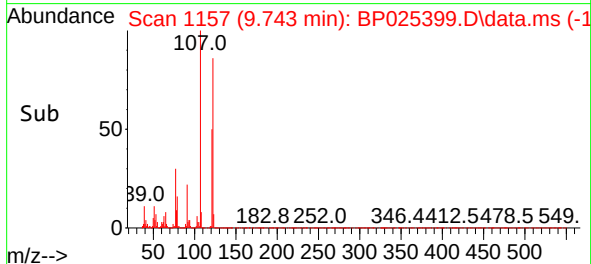
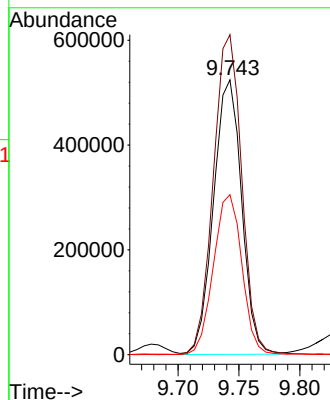
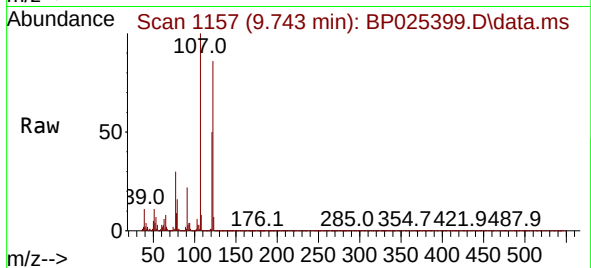
Tgt Ion:122 Resp: 842467

Ion Ratio Lower Upper

122 100

107 116.4 93.7 140.5

121 58.2 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 77.542 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

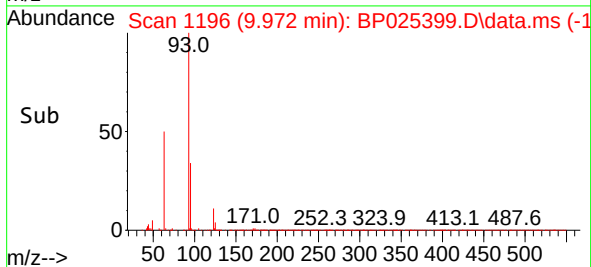
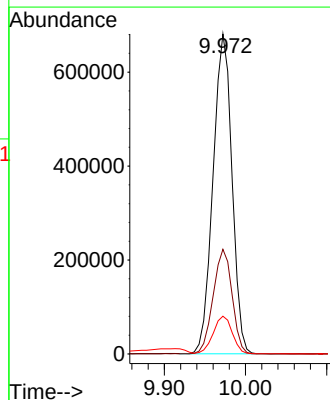
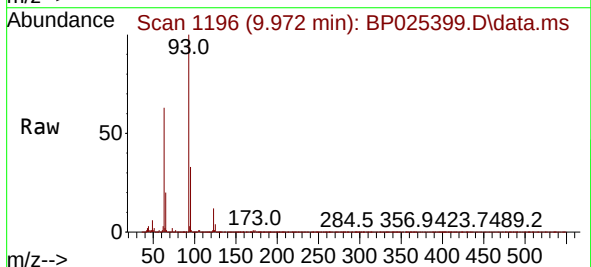
Tgt Ion: 93 Resp: 1103640

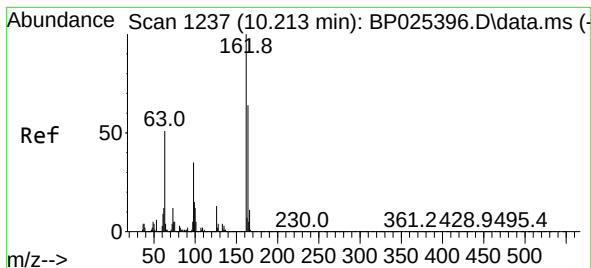
Ion Ratio Lower Upper

93 100

95 32.7 25.4 38.0

123 11.8 9.4 14.0

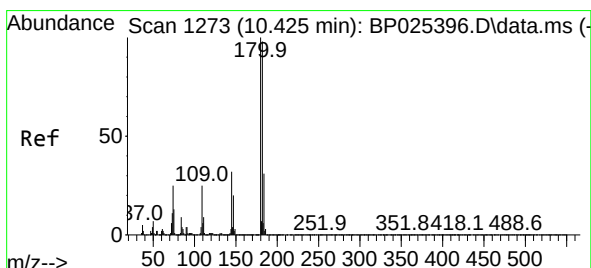
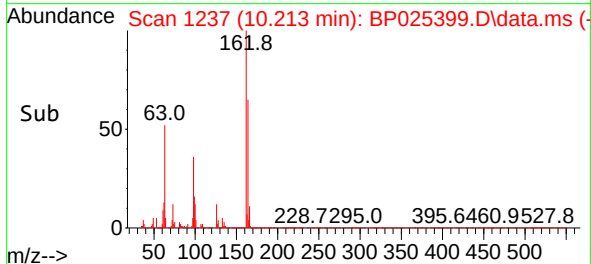
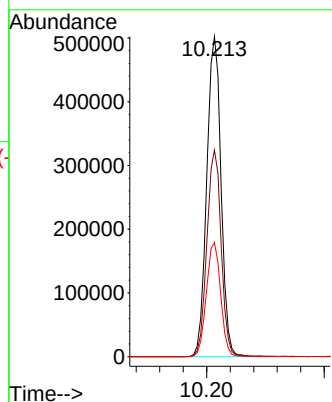
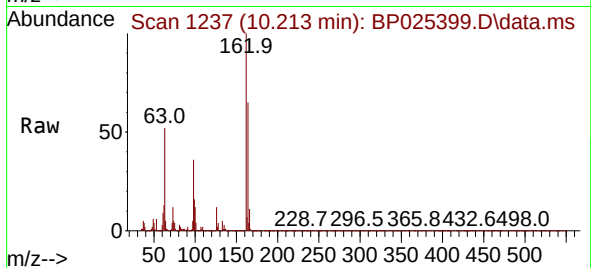




#29
2,4-Dichlorophenol
Concen: 81.037 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

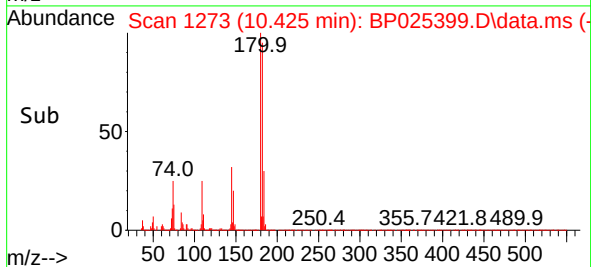
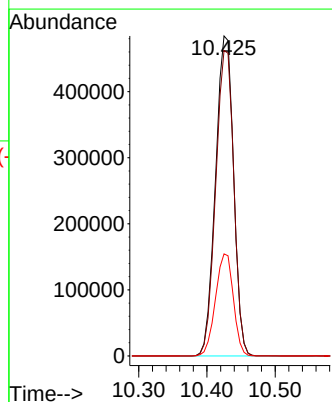
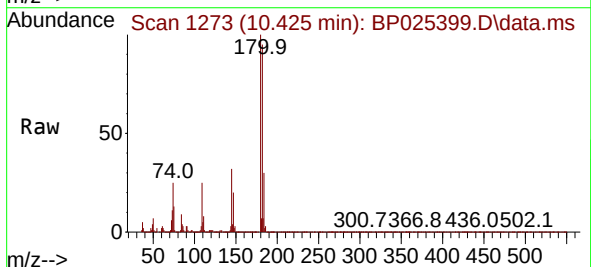
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

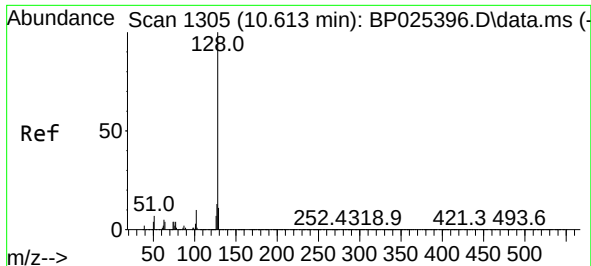
Tgt Ion:162 Resp: 844787
Ion Ratio Lower Upper
162 100
164 64.6 44.4 84.4
98 35.6 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 78.123 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:180 Resp: 892771
Ion Ratio Lower Upper
180 100
182 95.4 78.0 117.0
145 31.9 25.9 38.9

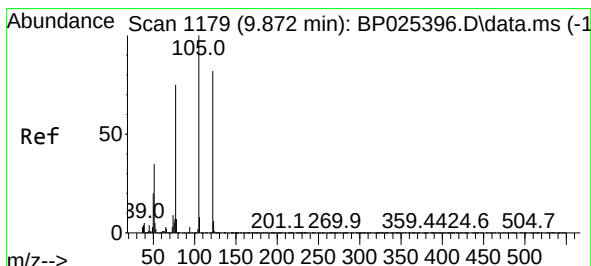
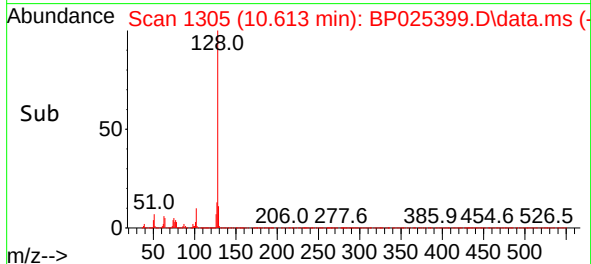
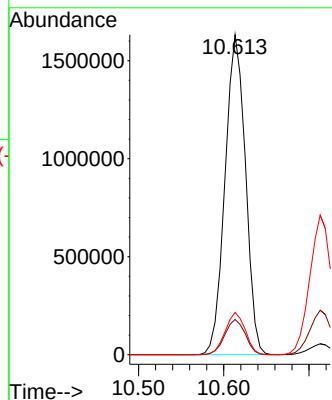
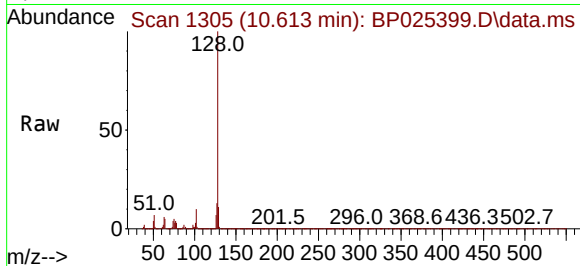




#31
Naphthalene
Concen: 77.835 ng
RT: 10.613 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

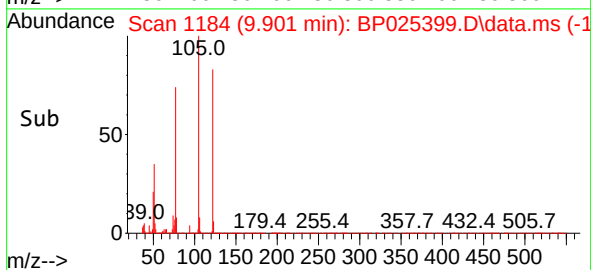
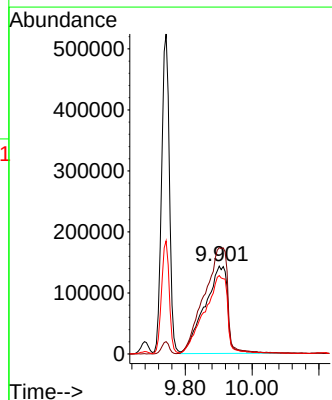
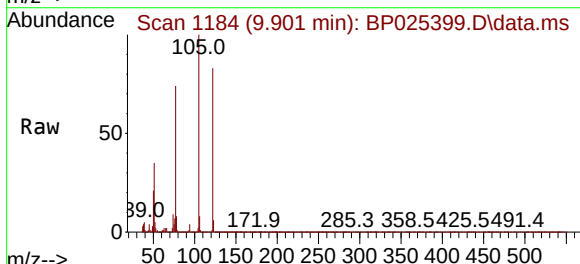
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

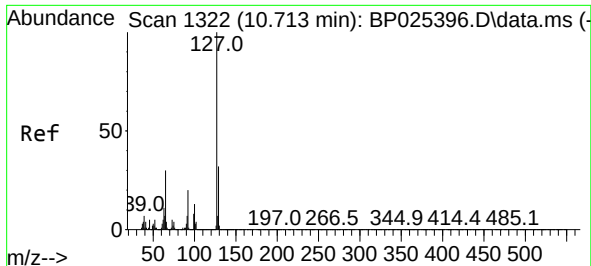
Tgt Ion:128 Resp: 2722703
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 88.861 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:122 Resp: 686791
Ion Ratio Lower Upper
122 100
105 121.0 100.6 140.6
77 89.3 71.5 111.5



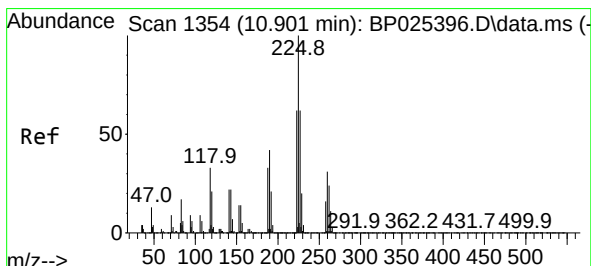
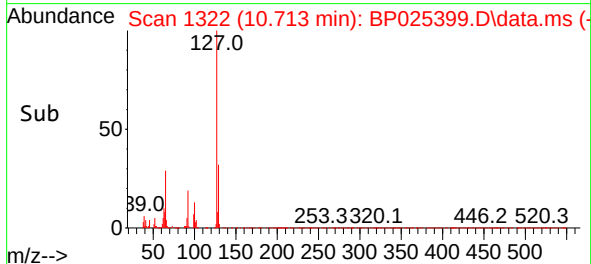
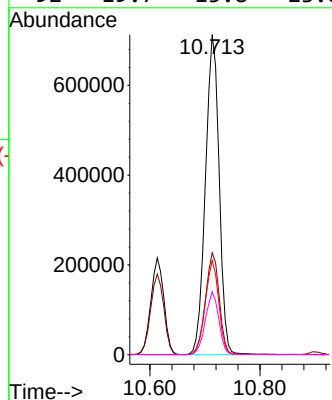
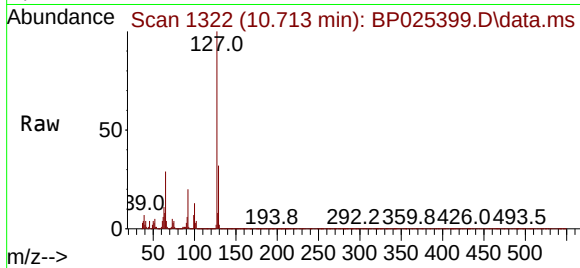


#33
4-Chloroaniline
Concen: 79.761 ng
RT: 10.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1232431

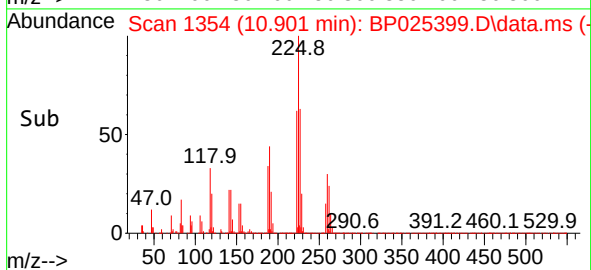
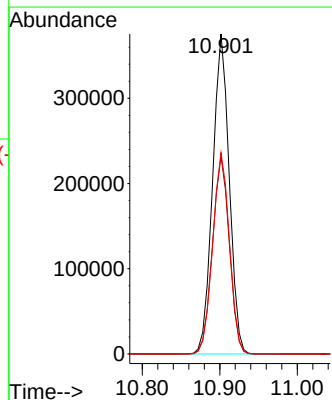
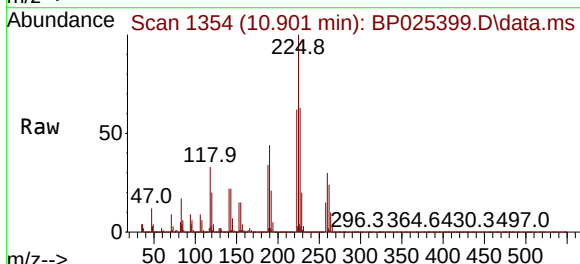
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	29.4	23.8	35.6
92	19.7	15.8	23.8

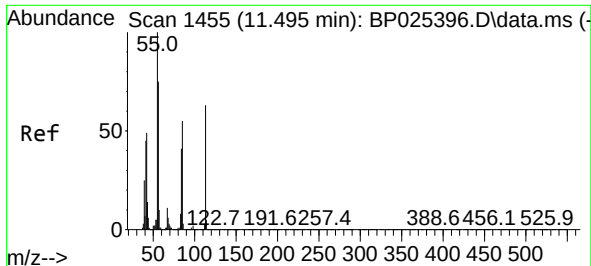


#34
Hexachlorobutadiene
Concen: 78.393 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:225 Resp: 557922

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.0	75.0
227	62.9	49.7	74.5

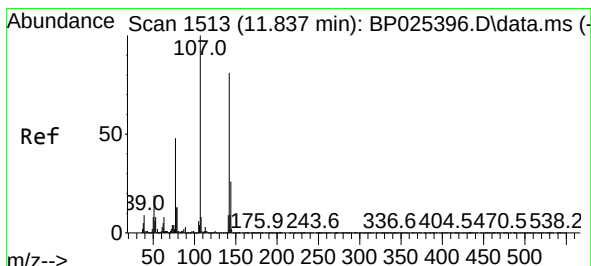
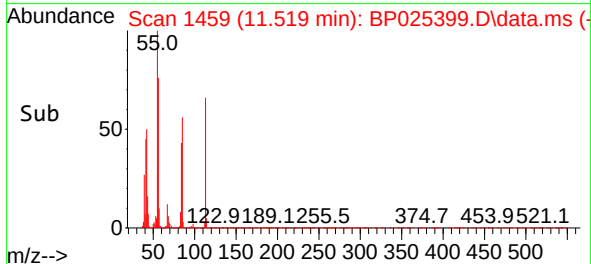
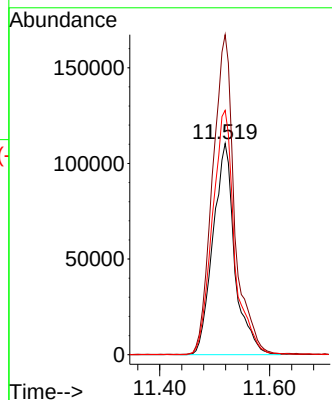
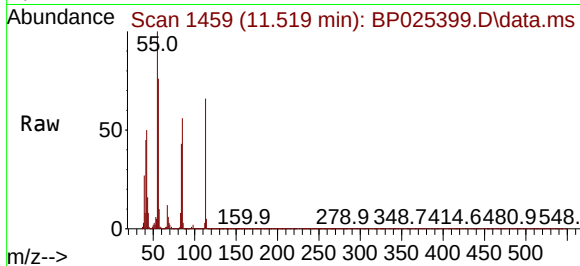




#35
Caprolactam
Concen: 79.233 ng
RT: 11.519 min Scan# 1455
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

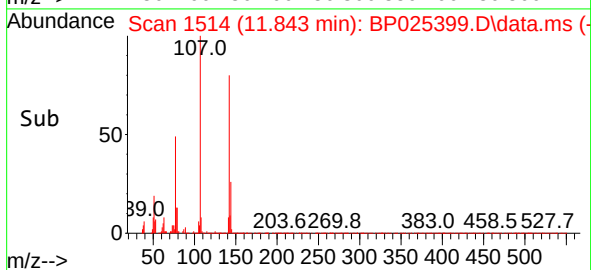
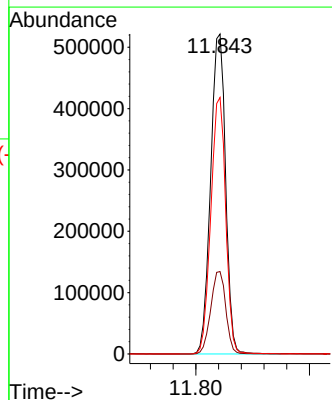
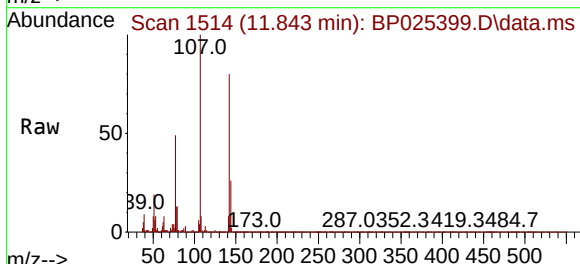
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

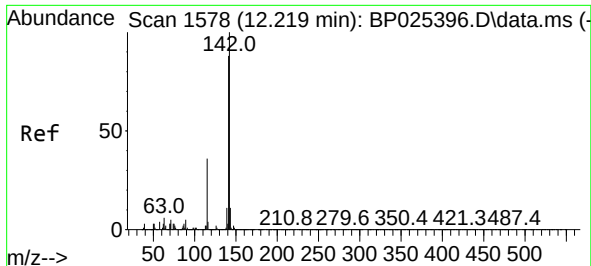
Tgt Ion:113 Resp: 302874
Ion Ratio Lower Upper
113 100
55 151.5 140.0 180.0
56 115.6 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 79.399 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 949779
Ion Ratio Lower Upper
107 100
144 25.7 21.0 31.4
142 80.2 64.6 97.0

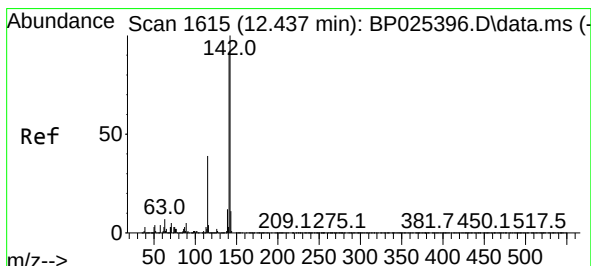
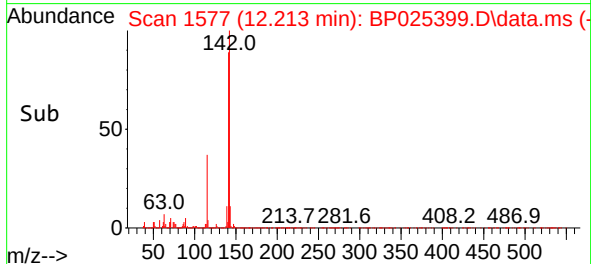
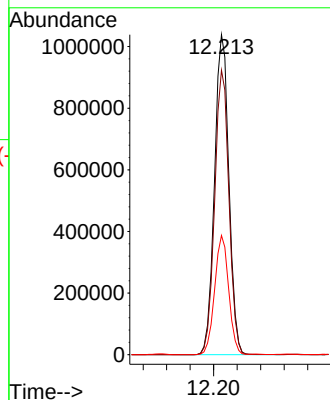
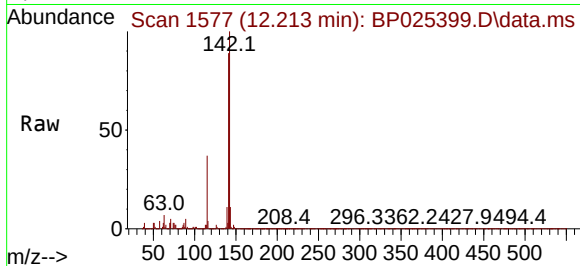




#37
2-Methylnaphthalene
Concen: 77.372 ng
RT: 12.213 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

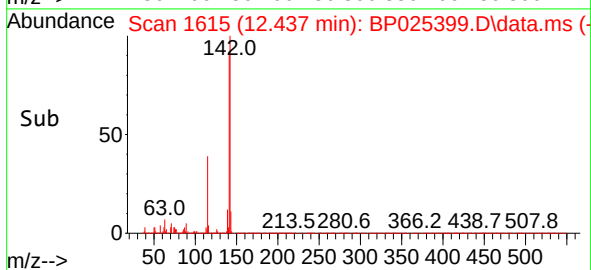
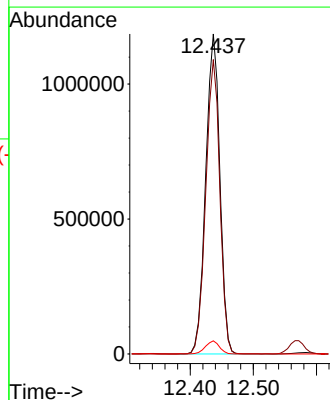
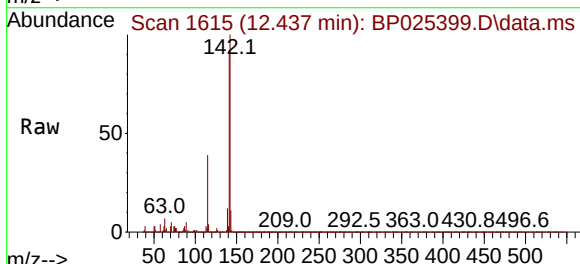
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

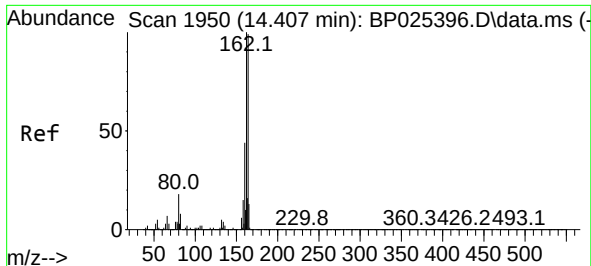
Tgt Ion:142 Resp: 1761325
Ion Ratio Lower Upper
142 100
141 88.9 70.3 105.5
115 37.2 28.9 43.3



#38
1-Methylnaphthalene
Concen: 76.186 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:142 Resp: 1844376
Ion Ratio Lower Upper
142 100
141 92.0 73.1 109.7
116 4.1 3.2 4.8

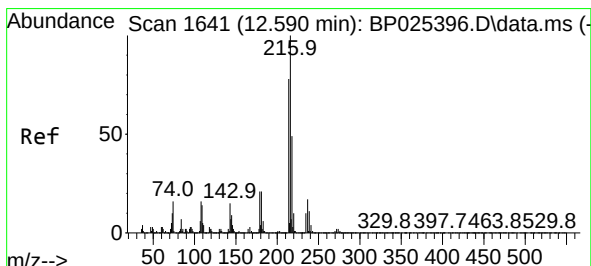
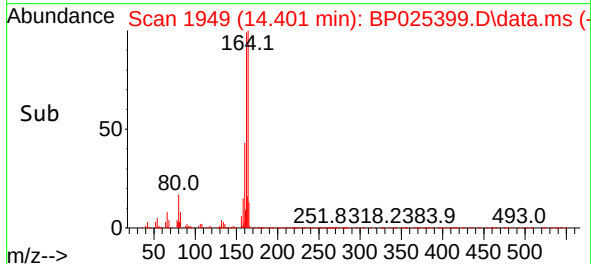
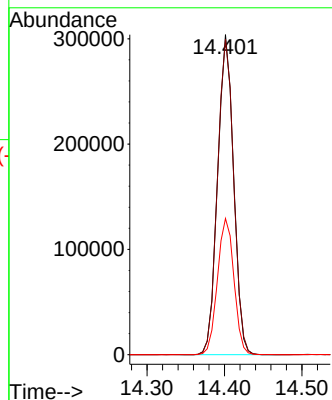
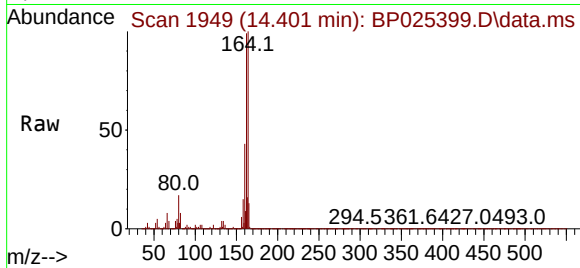




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

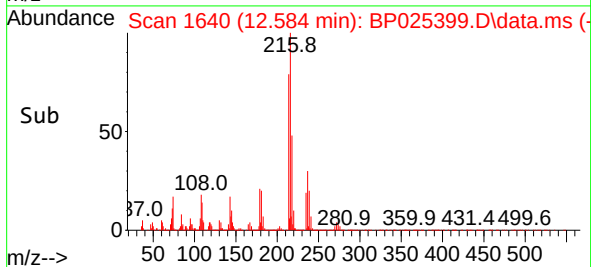
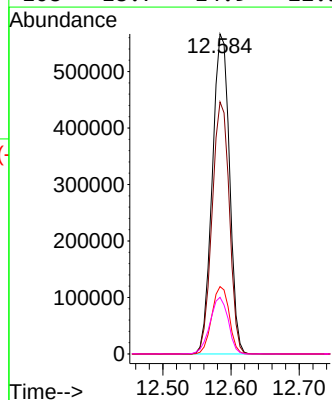
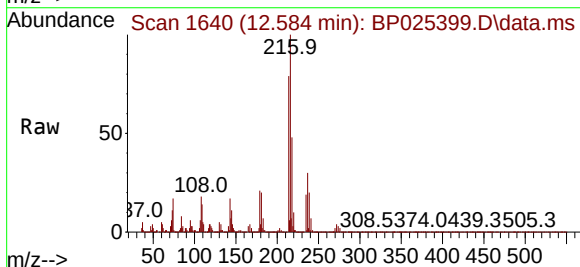
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

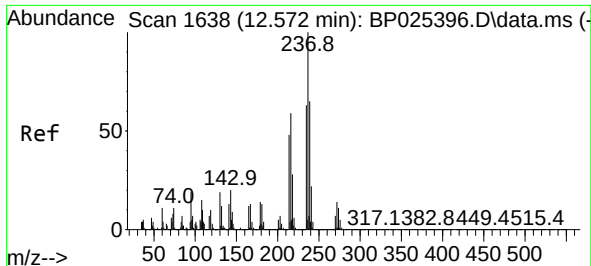
Tgt Ion:164 Resp: 436046
Ion Ratio Lower Upper
164 100
162 98.6 81.0 121.6
160 42.6 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.014 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:216 Resp: 995064
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.4
179 21.2 17.1 25.7
108 18.7 14.9 22.3

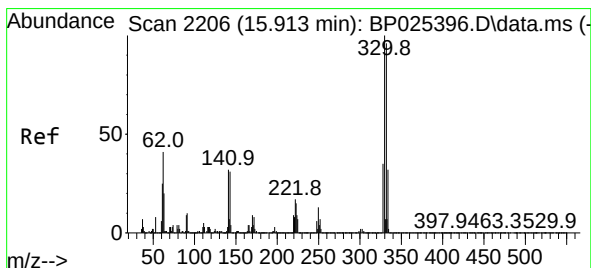
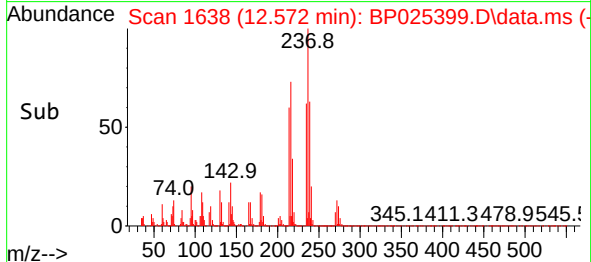
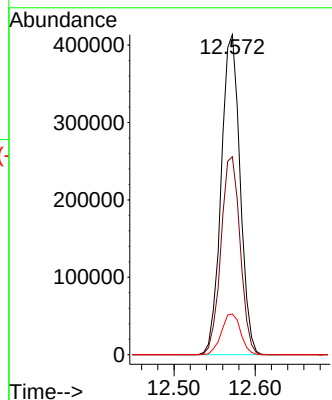
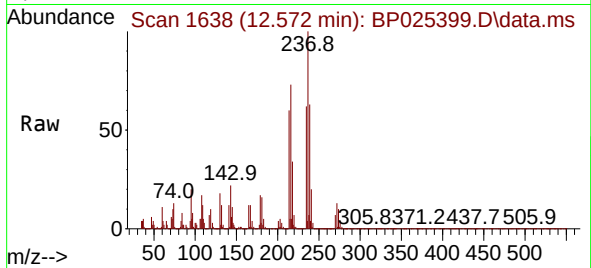




#41
Hexachlorocyclopentadiene
Concen: 87.916 ng
RT: 12.572 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

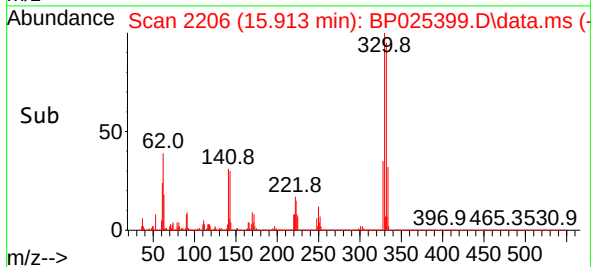
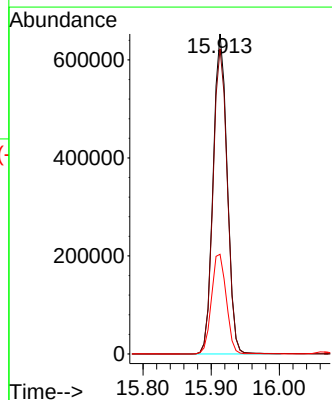
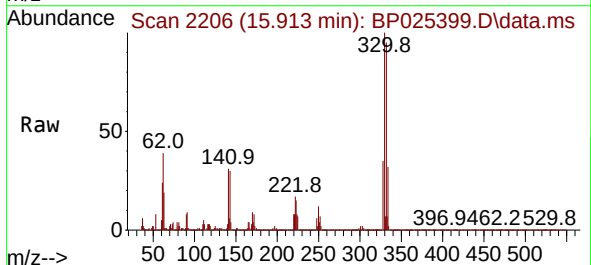
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

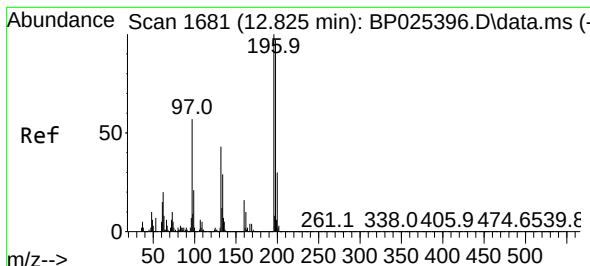
Tgt Ion:237 Resp: 668771
Ion Ratio Lower Upper
237 100
235 61.9 42.7 82.7
272 12.7 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 159.559 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:330 Resp: 936489
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 32.8 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 83.096 ng

RT: 12.825 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

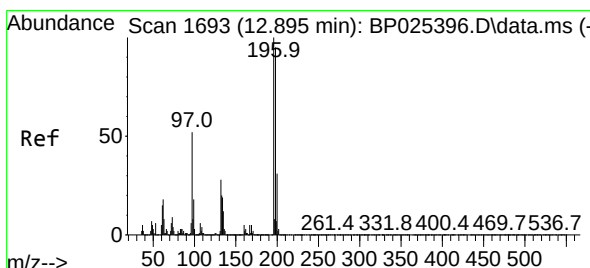
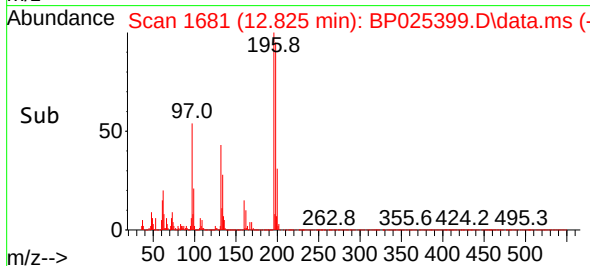
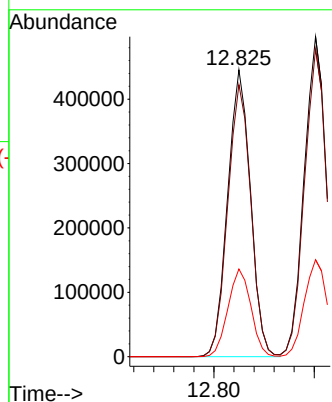
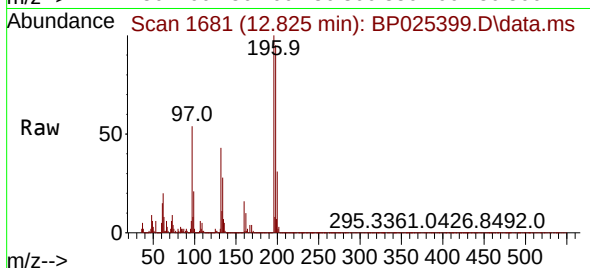
Tgt Ion:196 Resp: 706484

Ion Ratio Lower Upper

196 100

198 94.8 77.2 115.8

200 30.5 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 81.870 ng

RT: 12.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Tgt Ion:196 Resp: 762861

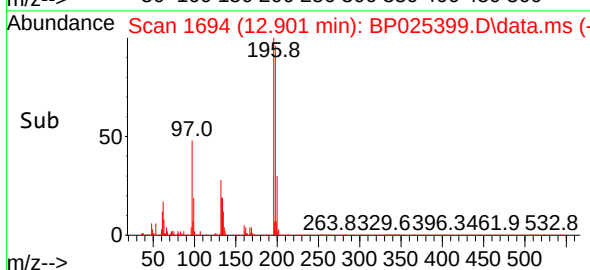
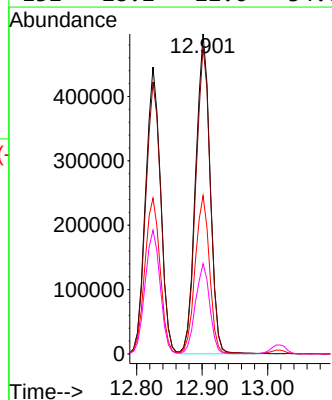
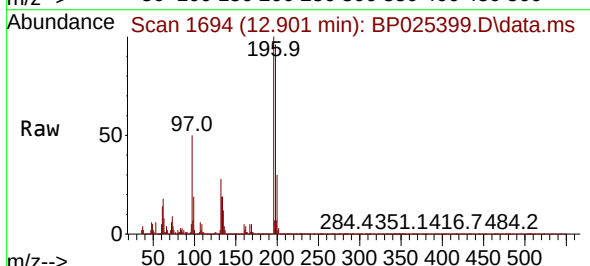
Ion Ratio Lower Upper

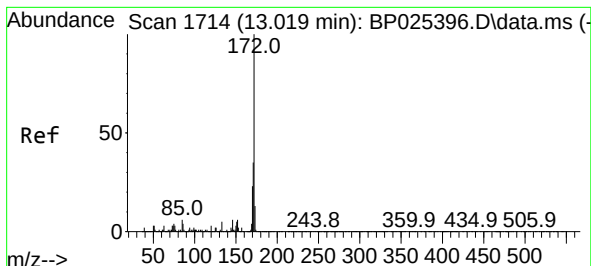
196 100

198 96.1 76.2 114.2

97 49.5 41.2 61.8

132 28.2 22.6 34.0

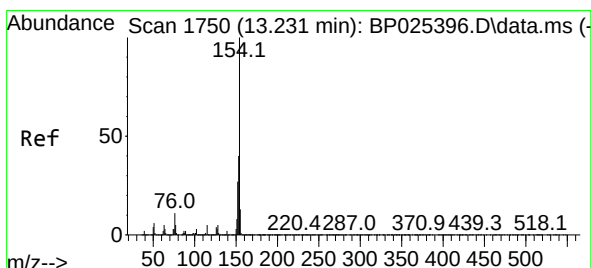
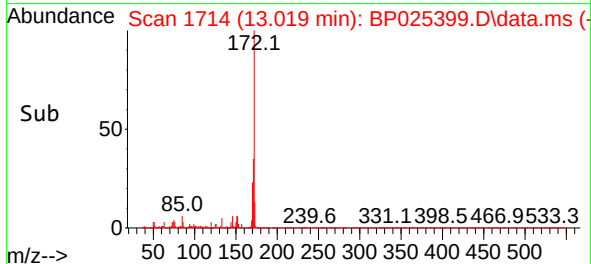
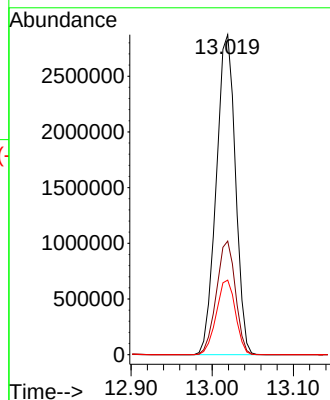
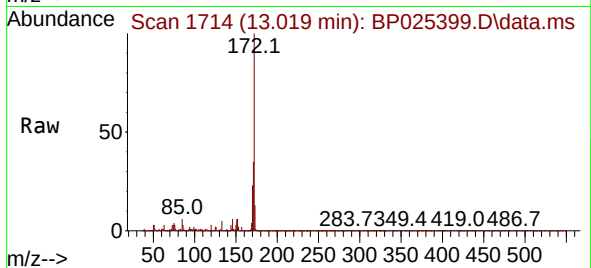




#45
2-Fluorobiphenyl
Concen: 147.705 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

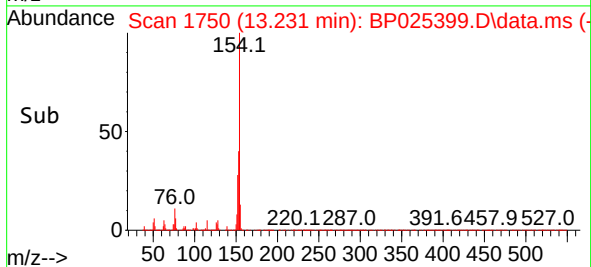
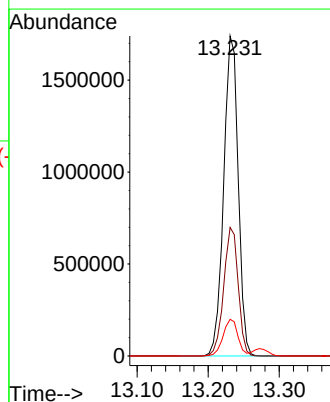
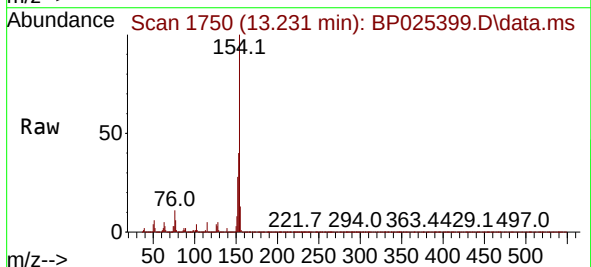
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

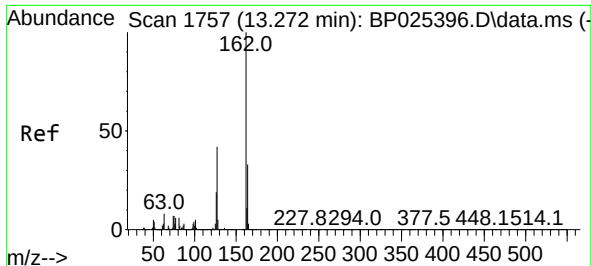
Tgt Ion:172 Resp: 4712591
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 77.476 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:154 Resp: 2453536
Ion Ratio Lower Upper
154 100
153 40.2 19.5 59.5
76 11.5 0.0 31.1

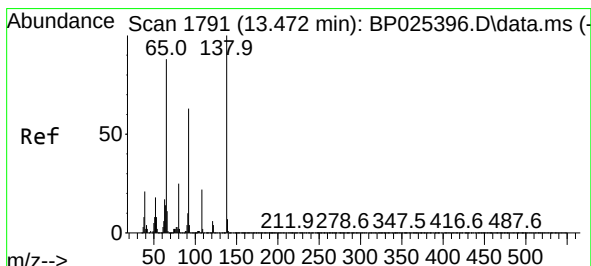
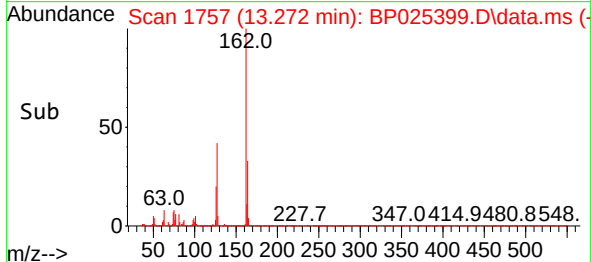
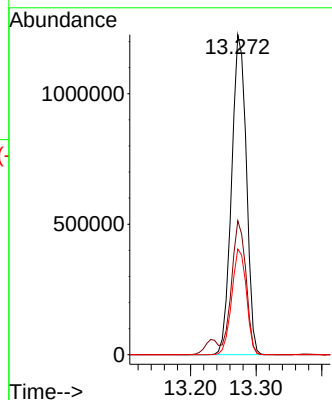
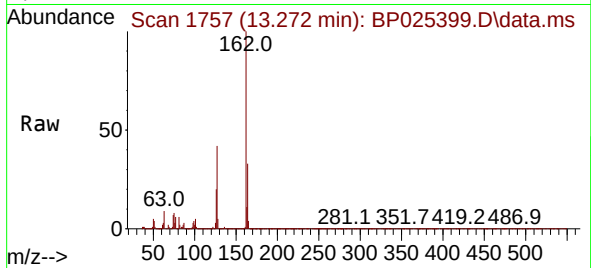




#47
2-Chloronaphthalene
Concen: 77.804 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

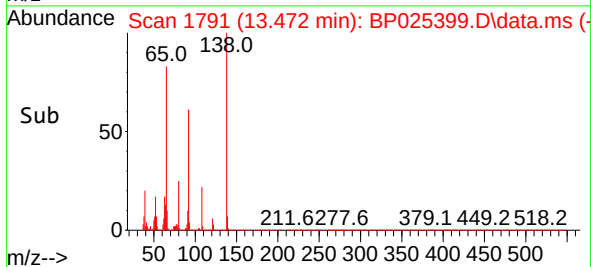
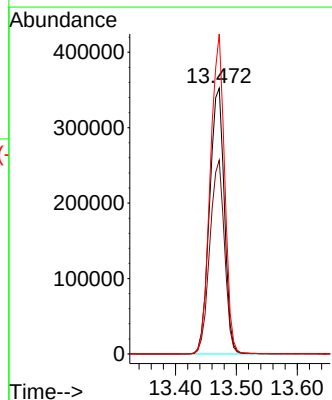
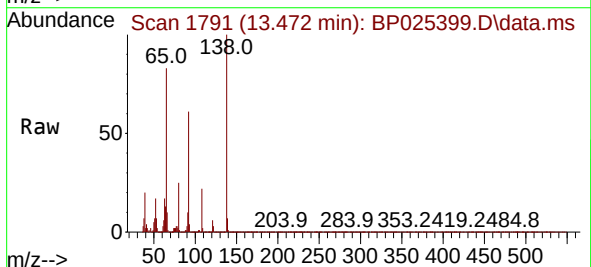
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

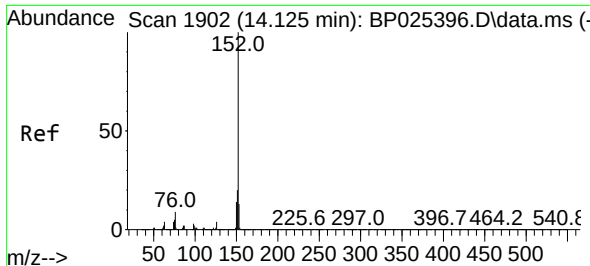
Tgt Ion:162 Resp: 1918120
Ion Ratio Lower Upper
162 100
127 41.9 33.4 50.2
164 33.0 26.2 39.2



#48
2-Nitroaniline
Concen: 82.788 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 65 Resp: 594696
Ion Ratio Lower Upper
65 100
92 72.9 57.6 86.4
138 120.4 91.0 136.6

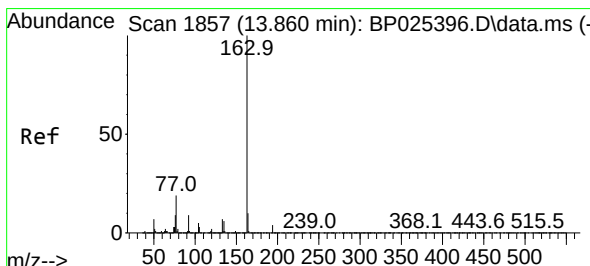
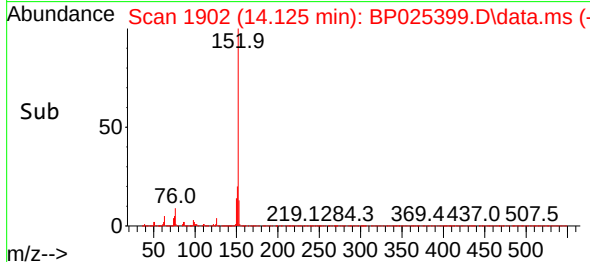
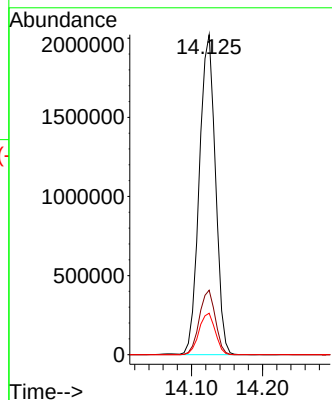
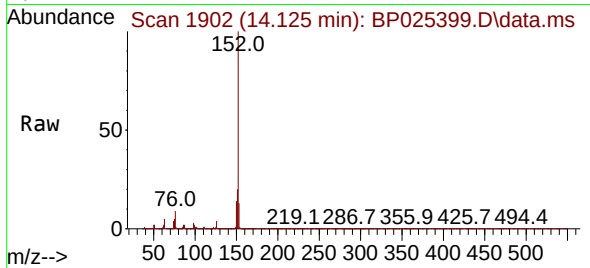




#49
Acenaphthylene
Concen: 78.318 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

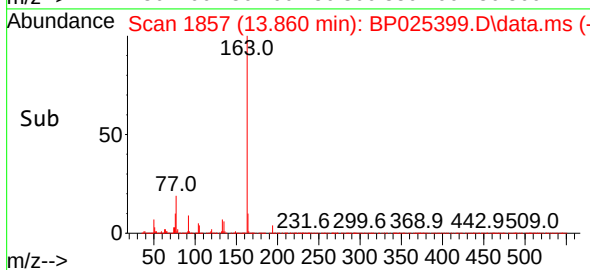
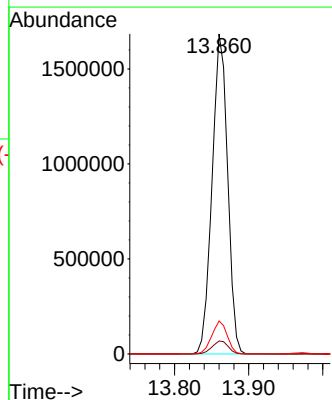
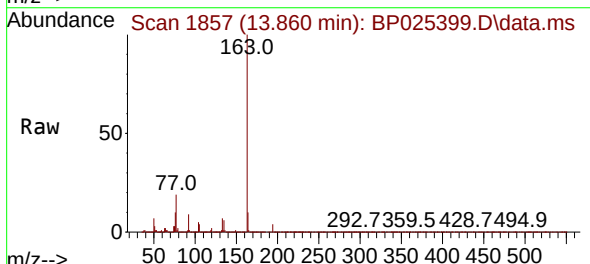
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

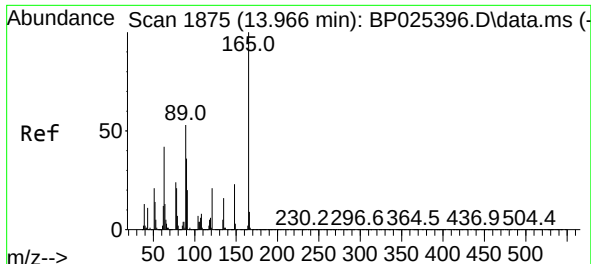
Tgt Ion:152 Resp: 3194918
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.0 10.6 15.8



#50
Dimethylphthalate
Concen: 76.632 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:163 Resp: 2446951
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.3 7.9 11.9

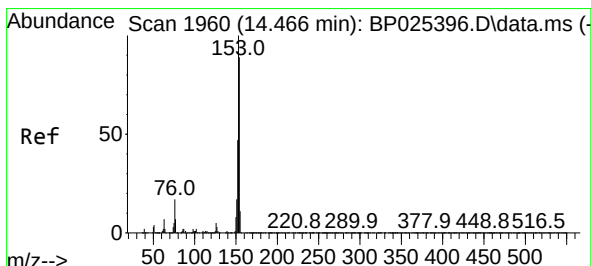
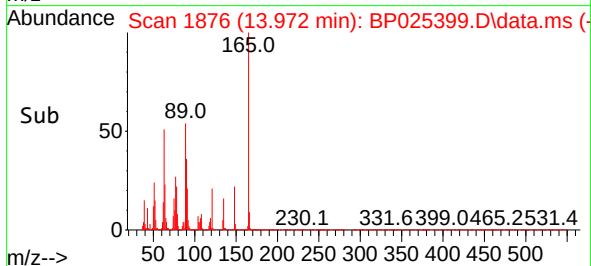
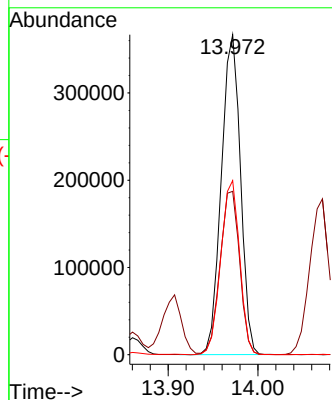
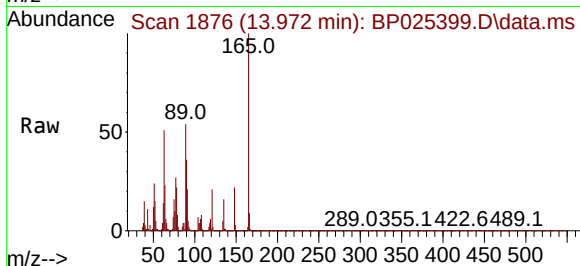




#51
2,6-Dinitrotoluene
Concen: 80.639 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

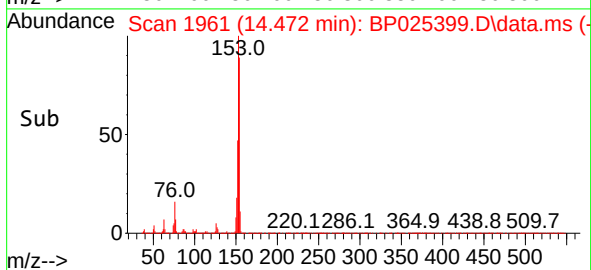
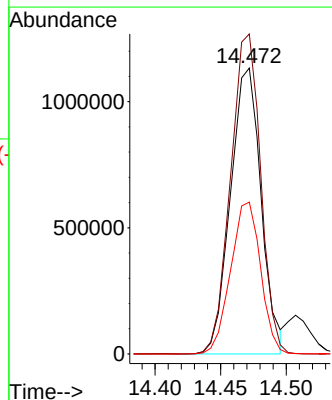
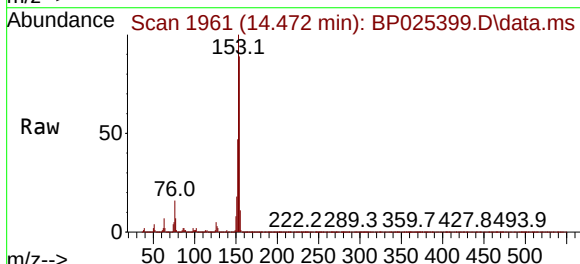
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

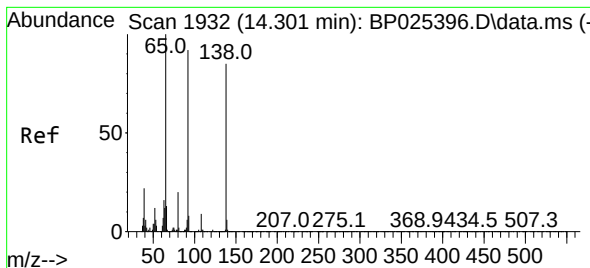
Tgt Ion:165 Resp: 542710
Ion Ratio Lower Upper
165 100
63 51.0 40.9 61.3
89 54.4 42.1 63.1



#52
Acenaphthene
Concen: 76.902 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:154 Resp: 1841448
Ion Ratio Lower Upper
154 100
153 111.9 90.2 135.2
152 53.1 42.1 63.1

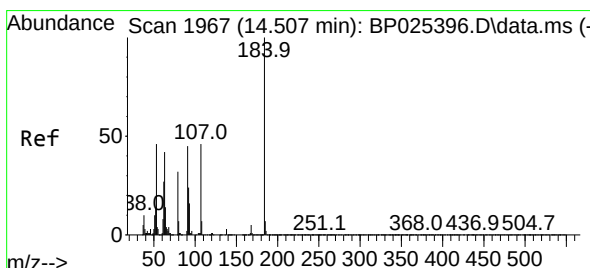
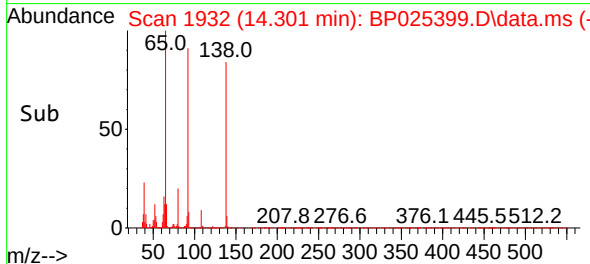
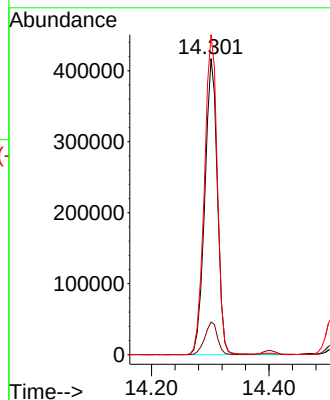
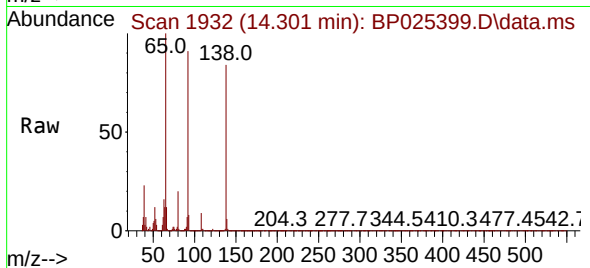




#53
3-Nitroaniline
Concen: 81.627 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

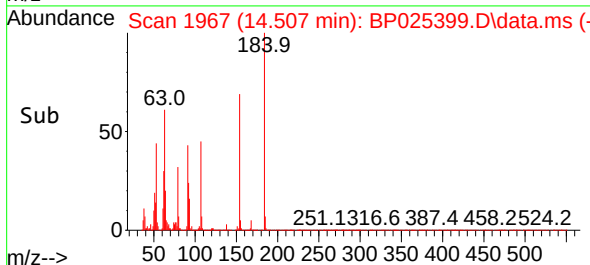
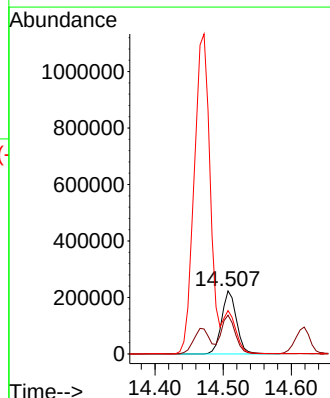
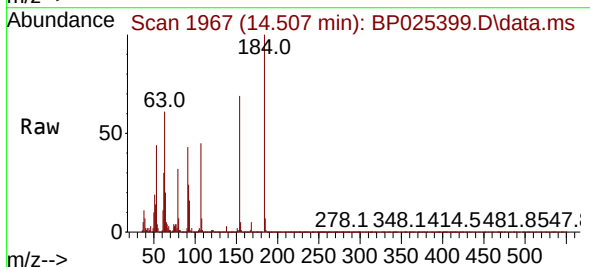
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

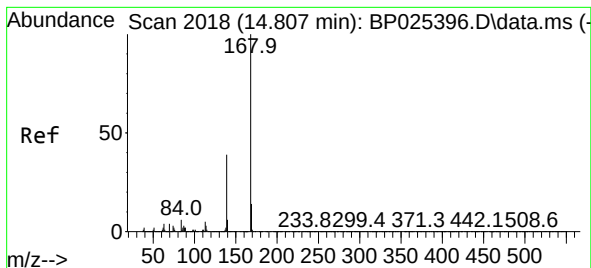
Tgt Ion:138 Resp: 618087
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 108.1 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 94.356 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:184 Resp: 339125
Ion Ratio Lower Upper
184 100
63 61.4 49.4 74.2
154 68.6 54.6 82.0

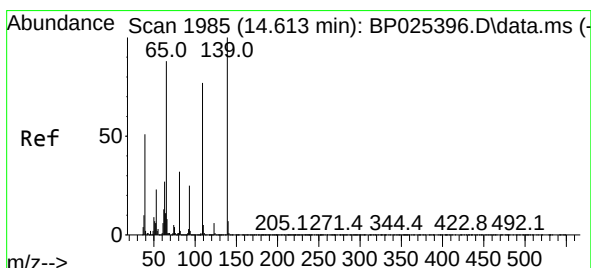
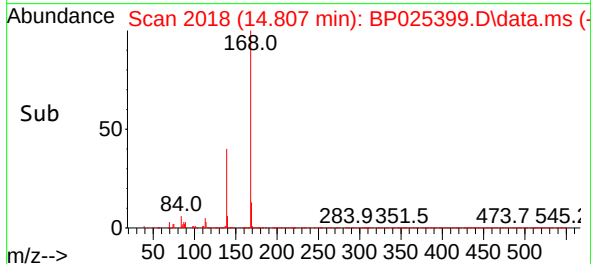
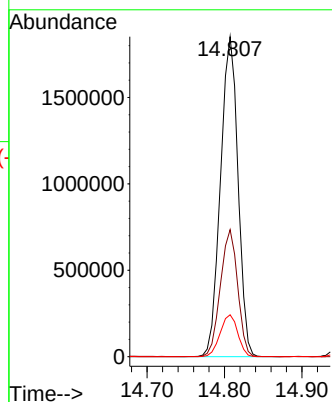
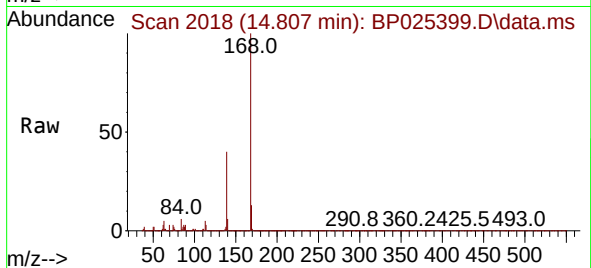




#55
Dibenzofuran
Concen: 77.023 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

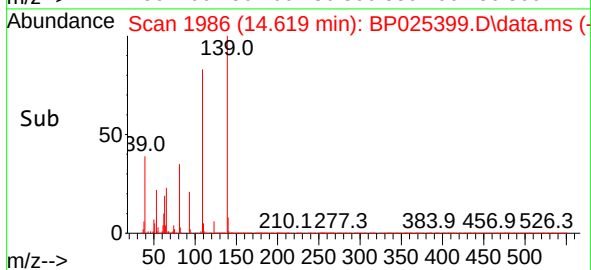
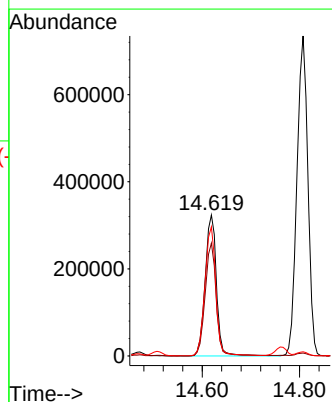
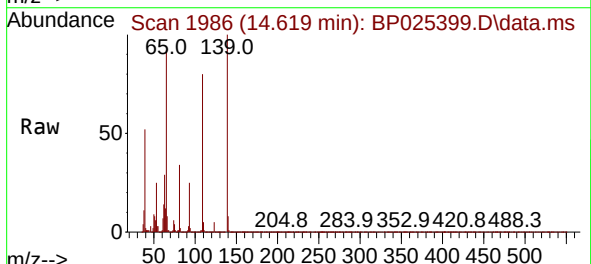
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

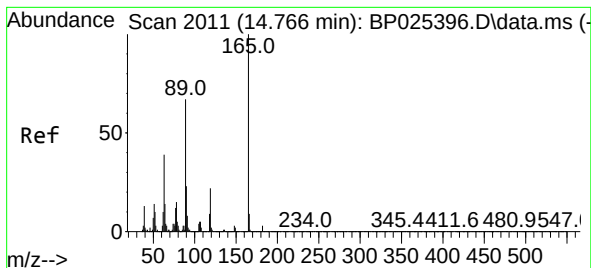
Tgt Ion:168 Resp: 2915933
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.1 10.9 16.3



#56
4-Nitrophenol
Concen: 83.618 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:139 Resp: 520294
Ion Ratio Lower Upper
139 100
109 80.0 56.6 96.6
65 91.5 68.2 108.2

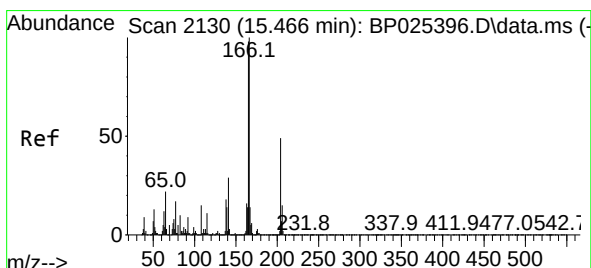
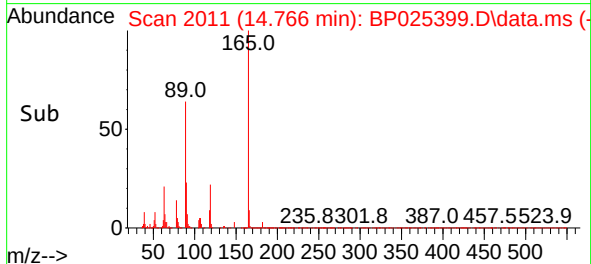
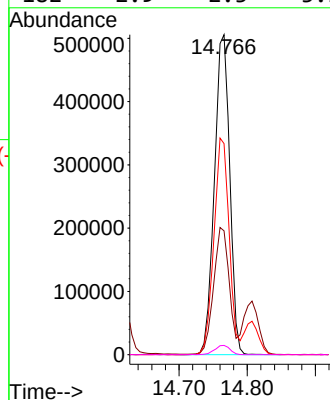
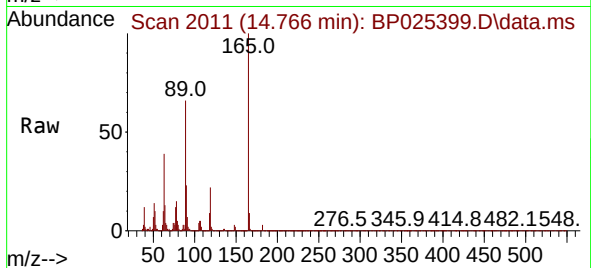




#57
2,4-Dinitrotoluene
Concen: 82.399 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

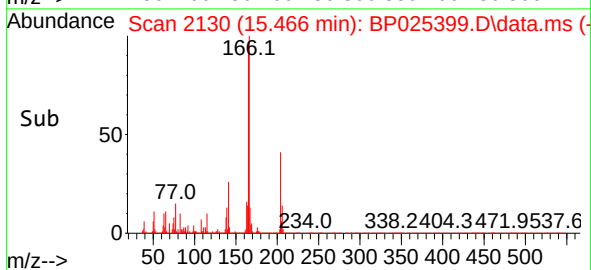
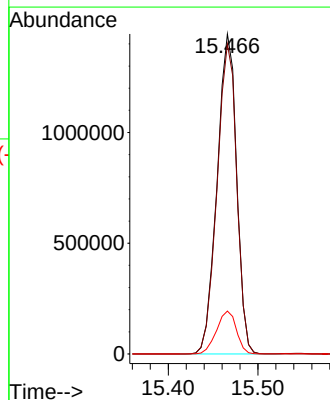
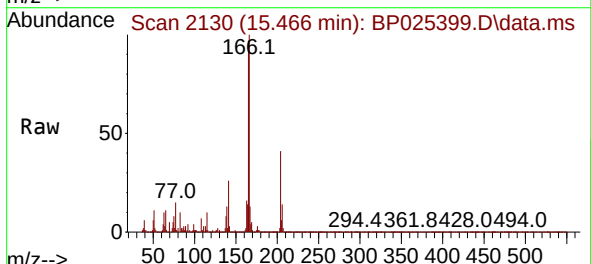
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

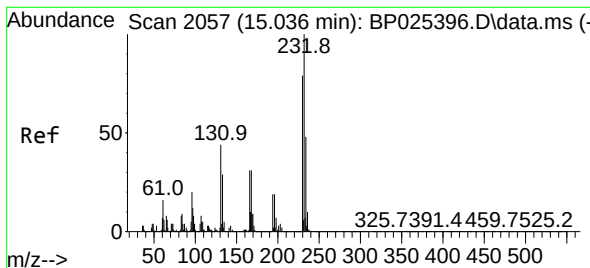
Tgt Ion:	165	Resp:	791214
Ion	Ratio	Lower	Upper
165	100		
63	38.7	31.4	47.2
89	66.0	53.3	79.9
182	2.9	2.3	3.5



#58
Fluorene
Concen: 73.164 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:	166	Resp:	2185593
Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	13.4	11.0	16.4

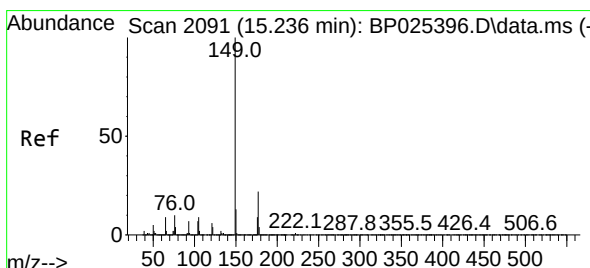
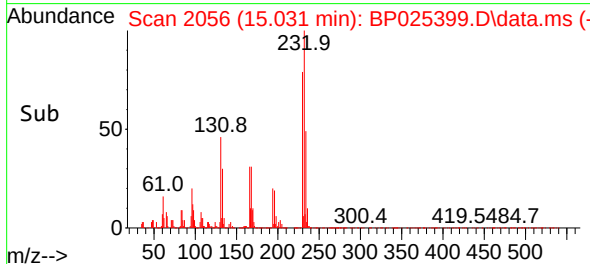
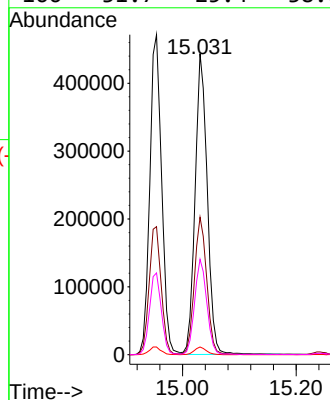
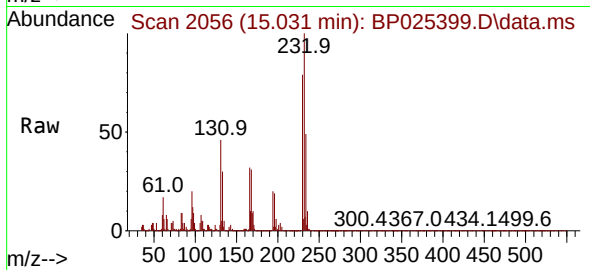




#59
2,3,4,6-Tetrachlorophenol
Concen: 80.448 ng
RT: 15.031 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

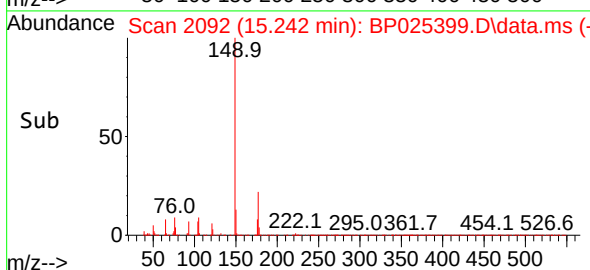
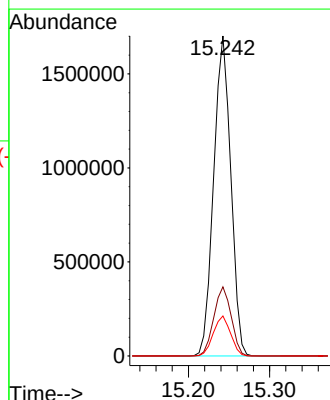
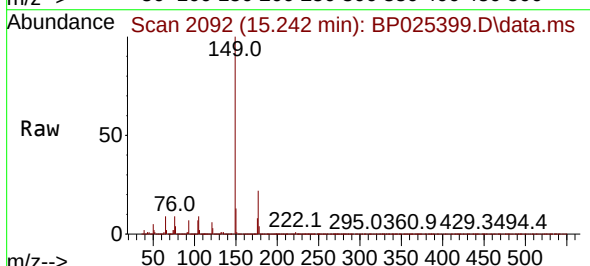
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

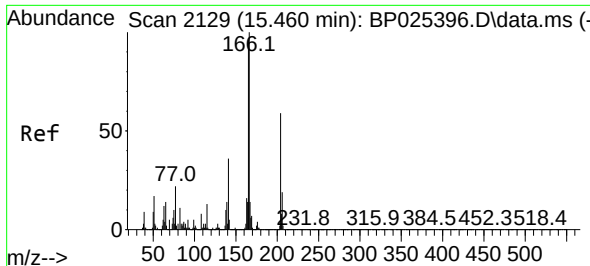
Tgt Ion:232 Resp: 661890
Ion Ratio Lower Upper
232 100
131 45.9 37.0 55.6
130 2.5 1.9 2.9
166 31.7 25.4 38.0



#60
Diethylphthalate
Concen: 76.870 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 2494087
Ion Ratio Lower Upper
149 100
177 21.6 17.3 25.9
150 12.5 10.3 15.5

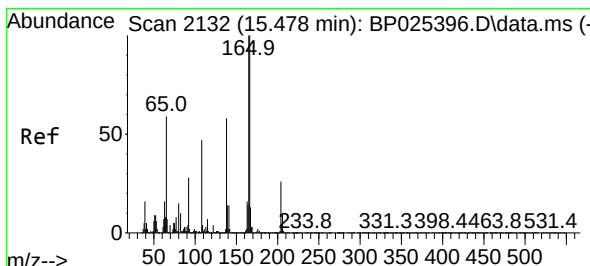
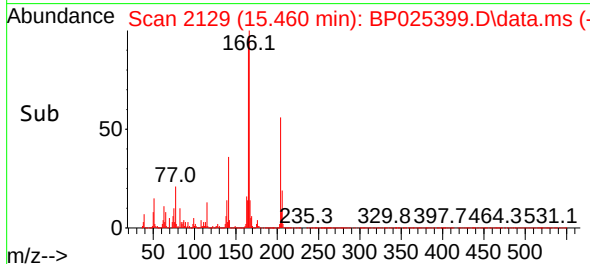
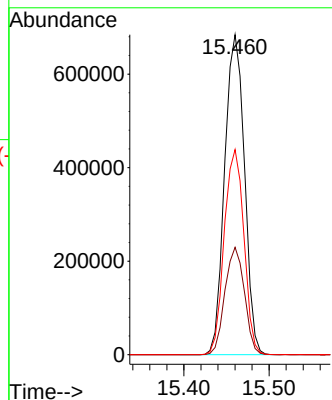
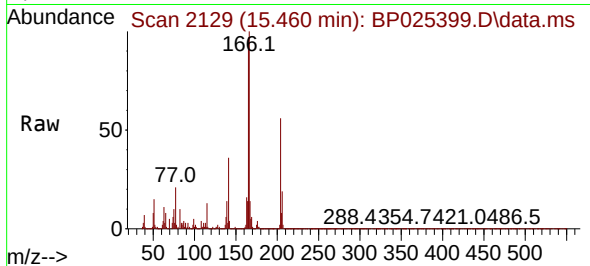




#61
4-Chlorophenyl-phenylether
Concen: 74.388 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

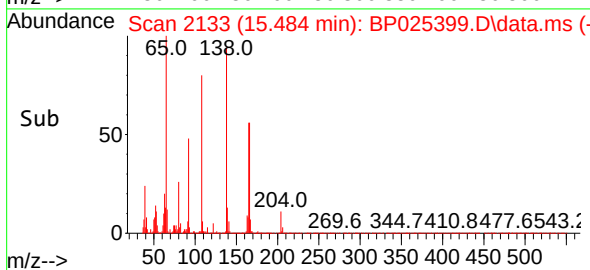
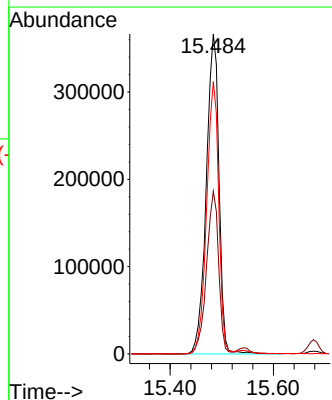
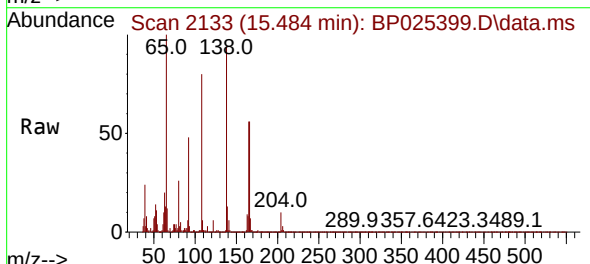
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

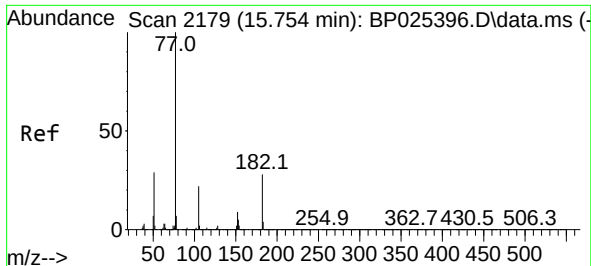
Tgt Ion:204 Resp: 1105157
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 64.1 49.4 74.2



#62
4-Nitroaniline
Concen: 80.710 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:138 Resp: 626525
Ion Ratio Lower Upper
138 100
92 50.8 29.1 69.1
108 85.1 61.5 101.5



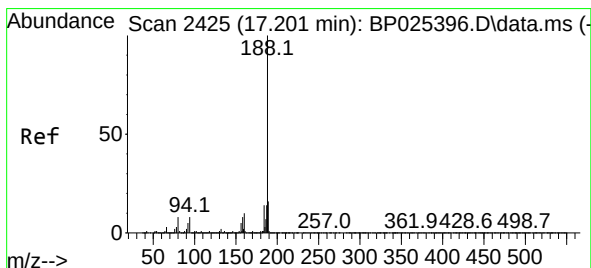
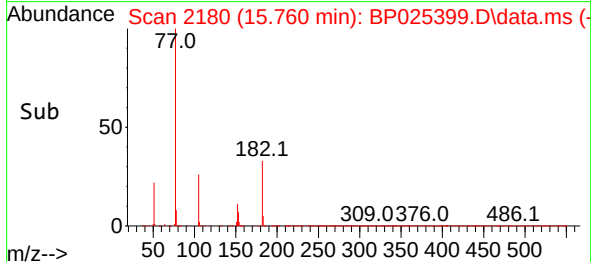
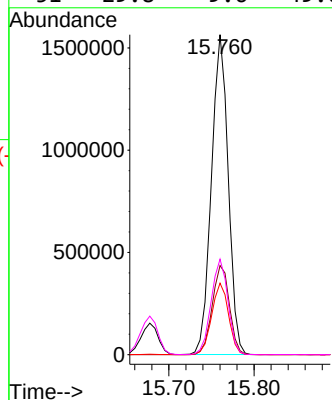
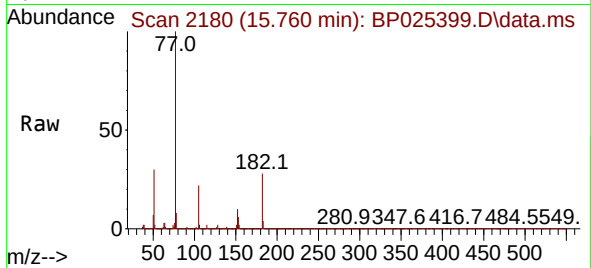


#63
Azobenzene
Concen: 77.017 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 2139674

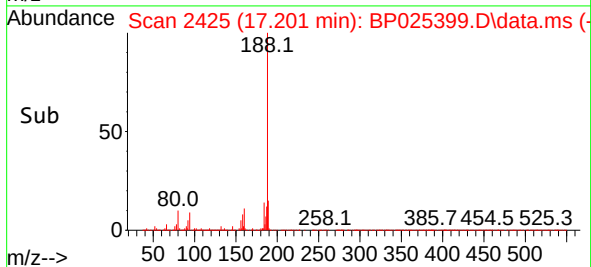
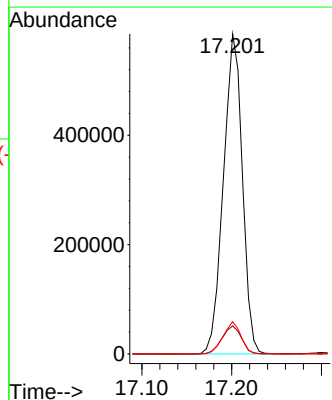
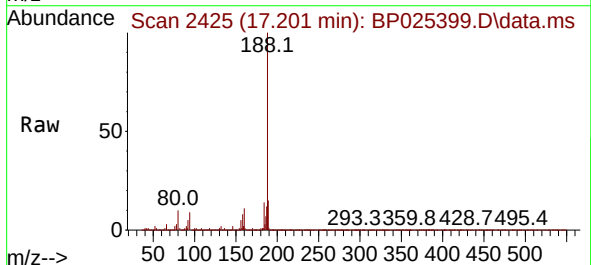
Ion	Ratio	Lower	Upper
77	100		
182	27.9	7.5	47.5
105	22.3	2.1	42.1
51	29.8	9.6	49.6

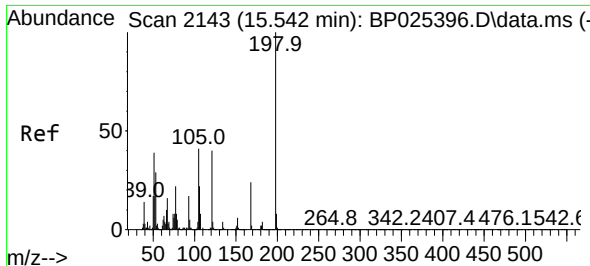


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 188 Resp: 856946

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	10.1	6.7	10.1#

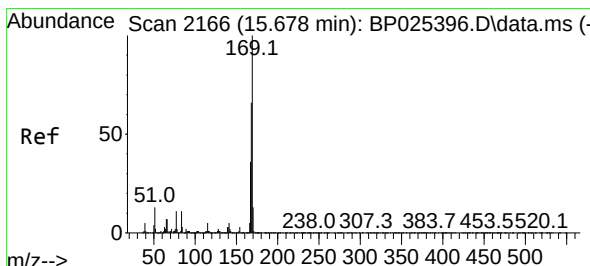
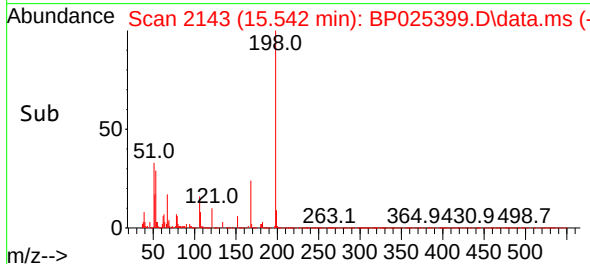
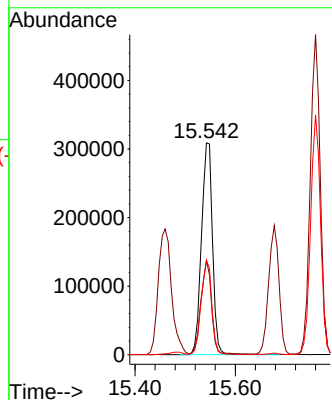
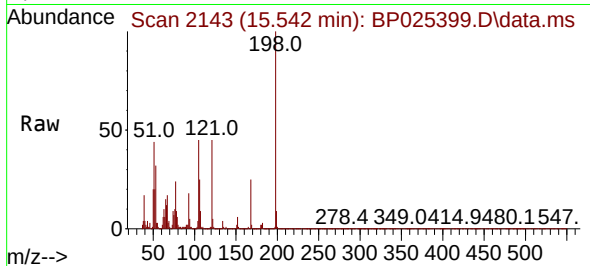




#65
4,6-Dinitro-2-methylphenol
Concen: 88.473 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

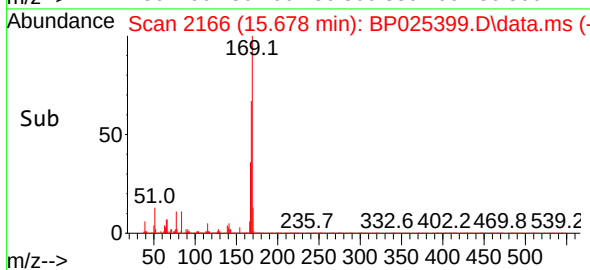
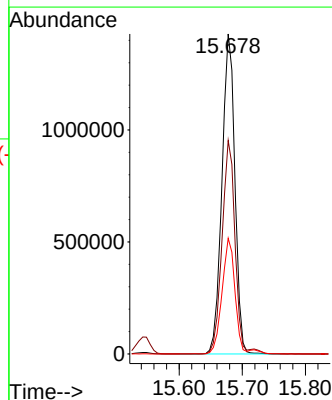
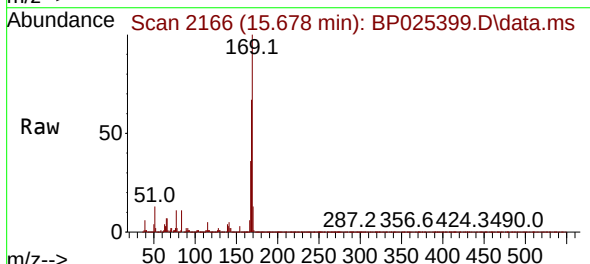
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

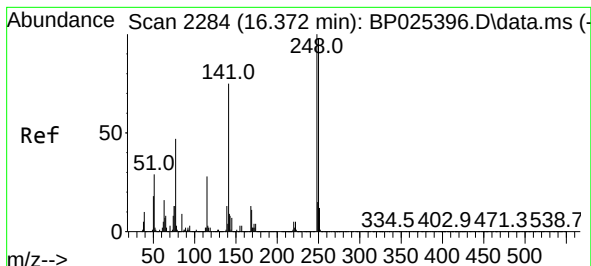
Tgt Ion:198 Resp: 472602
Ion Ratio Lower Upper
198 100
51 44.3 19.6 59.6
105 44.6 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 77.866 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:169 Resp: 2034782
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 36.2 28.7 43.1

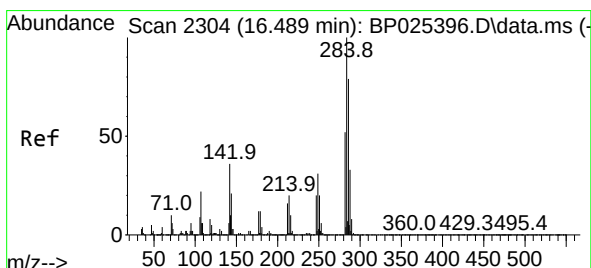
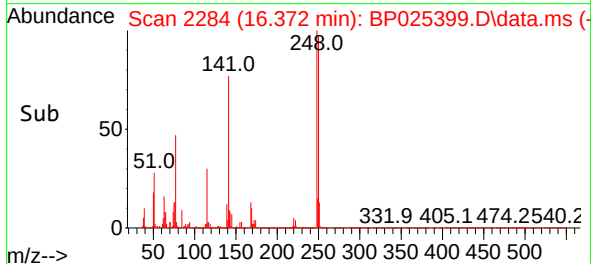
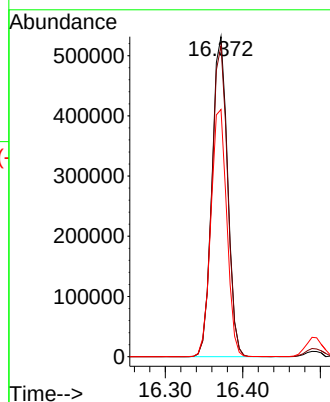
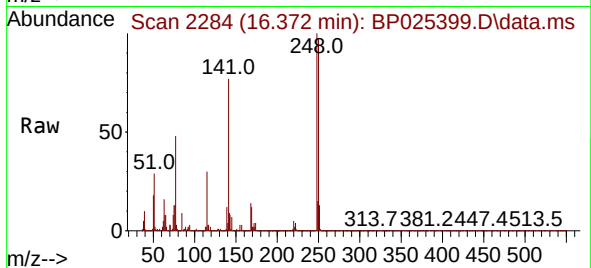




#67
4-Bromophenyl-phenylether
Concen: 79.144 ng
RT: 16.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

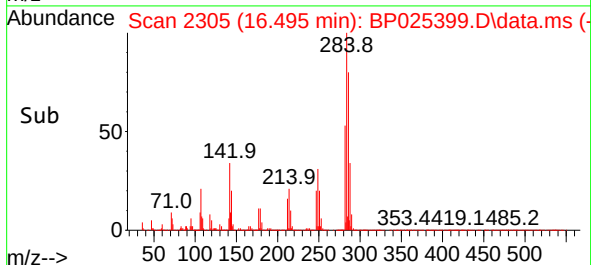
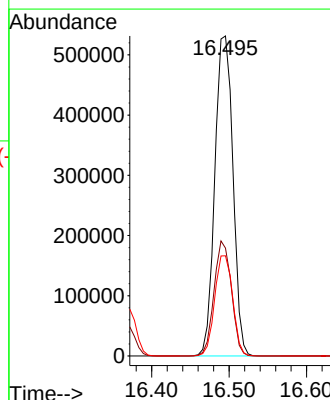
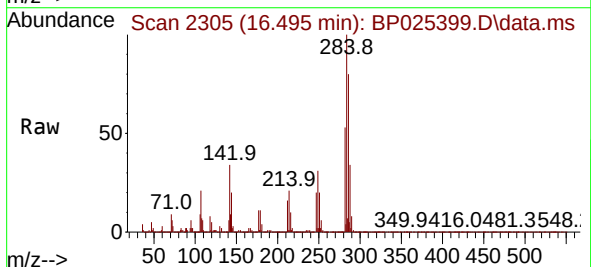
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

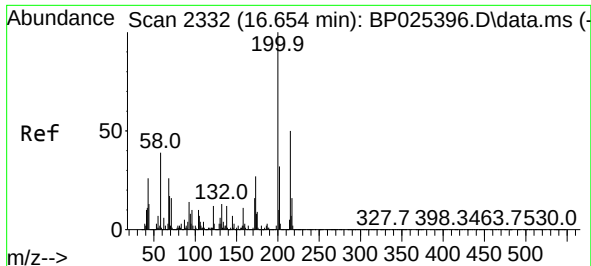
Tgt Ion:248 Resp: 745915
Ion Ratio Lower Upper
248 100
250 97.2 78.2 117.2
141 77.2 59.6 89.4



#68
Hexachlorobenzene
Concen: 78.721 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:284 Resp: 860051
Ion Ratio Lower Upper
284 100
142 33.7 29.1 43.7
249 31.3 25.0 37.4

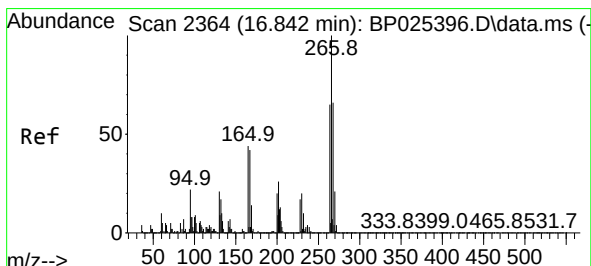
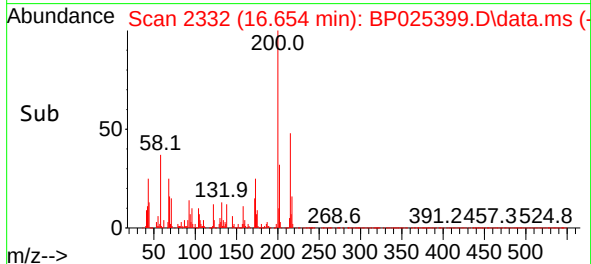
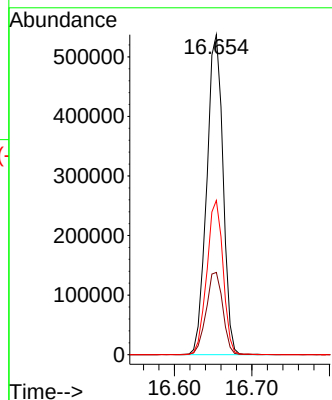
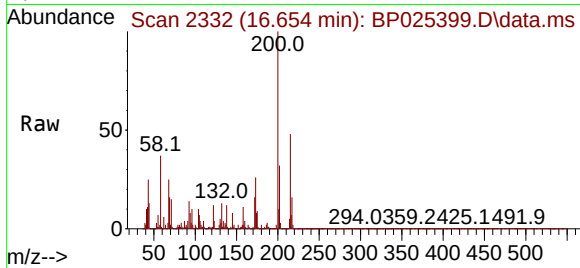




#69
 Atrazine
 Concen: 80.064 ng
 RT: 16.654 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

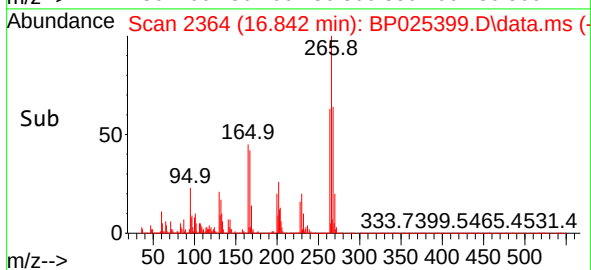
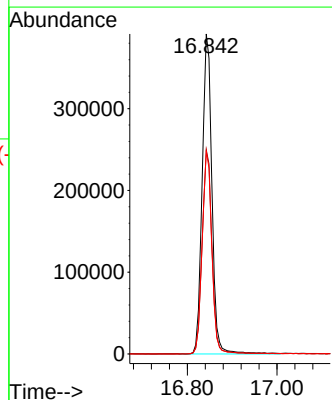
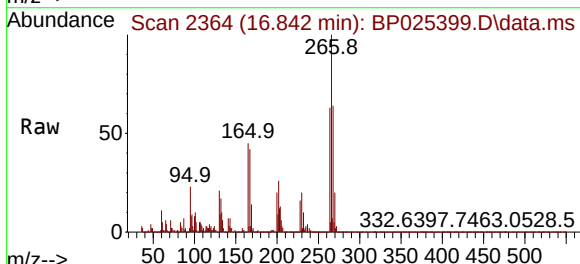
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

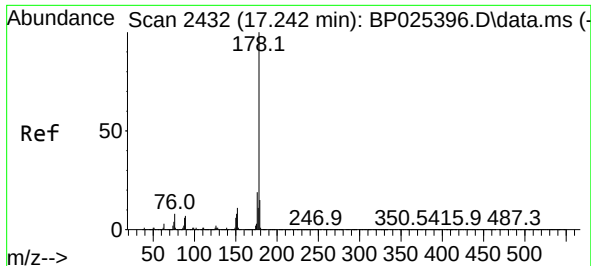
Tgt Ion:200 Resp: 783533
 Ion Ratio Lower Upper
 200 100
 173 25.7 6.7 46.7
 215 48.2 29.7 69.7



#70
 Pentachlorophenol
 Concen: 85.502 ng
 RT: 16.842 min Scan# 2364
 Delta R.T. 0.000 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

Tgt Ion:266 Resp: 589673
 Ion Ratio Lower Upper
 266 100
 268 63.8 52.6 79.0
 264 63.4 52.0 78.0

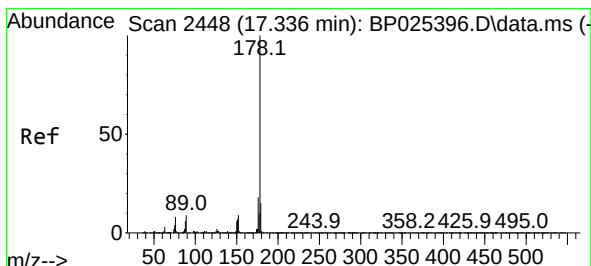
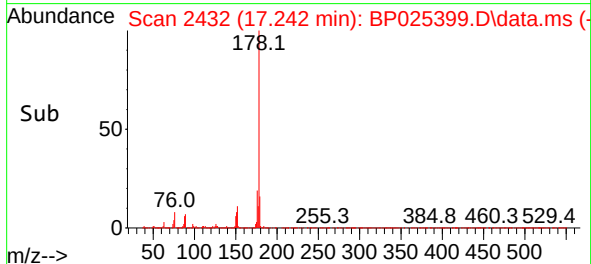
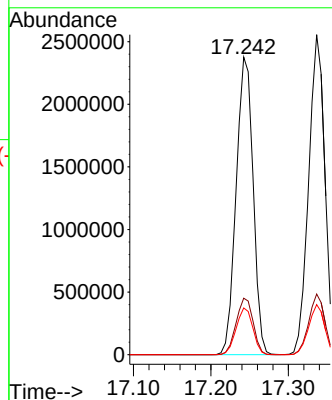
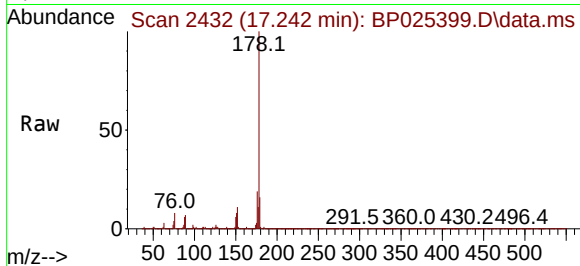




#71
Phenanthrene
Concen: 76.972 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

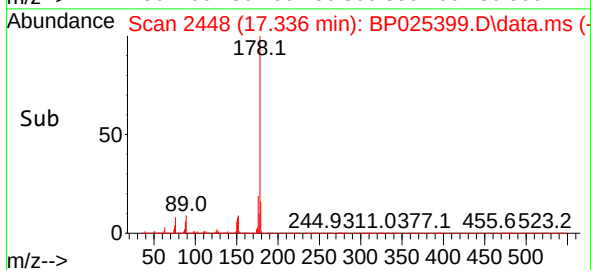
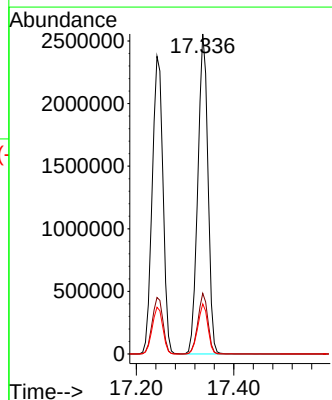
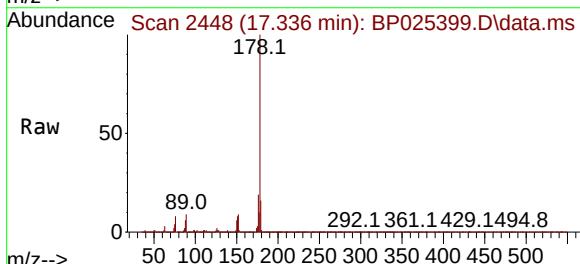
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

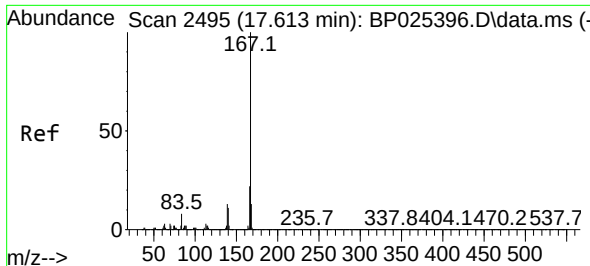
Tgt Ion:178 Resp: 3623454
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.7 12.2 18.4



#72
Anthracene
Concen: 77.014 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:178 Resp: 3702277
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.7 12.2 18.2

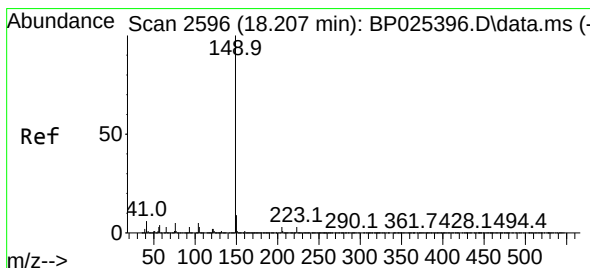
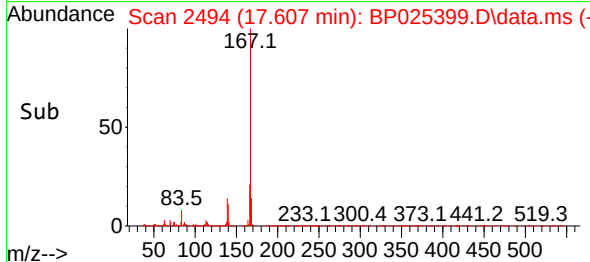
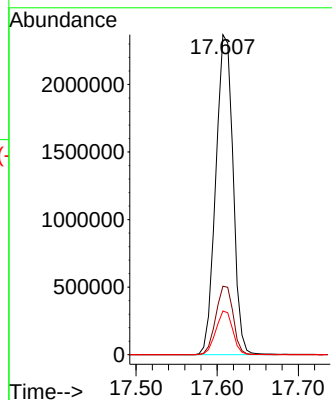
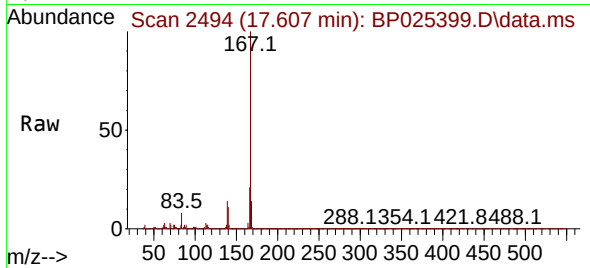




#73
Carbazole
Concen: 77.368 ng
RT: 17.607 min Scan# 2495
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

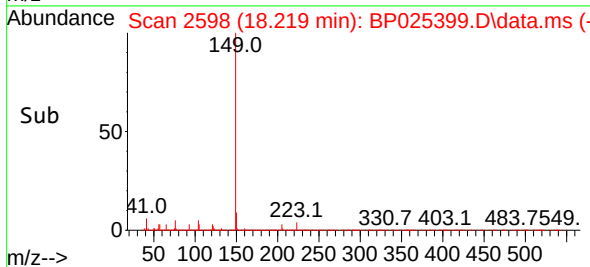
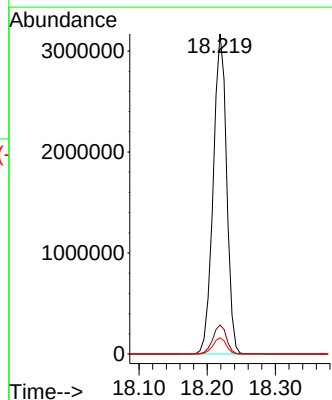
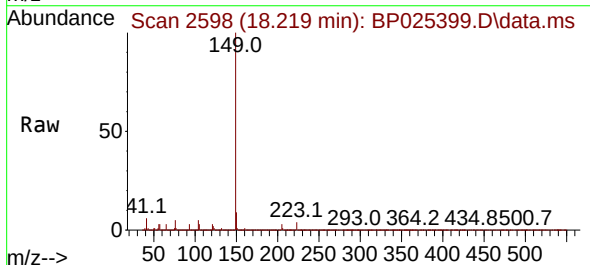
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

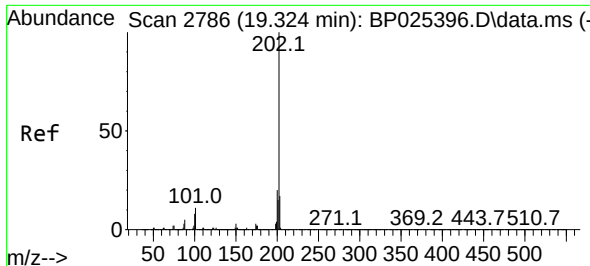
Tgt Ion:167 Resp: 3503273
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 13.7 10.6 16.0



#74
Di-n-butylphthalate
Concen: 77.844 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 4336701
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.0 4.2 6.2

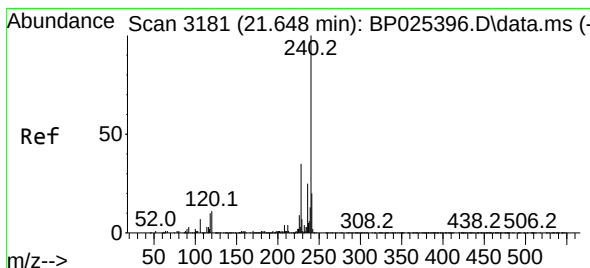
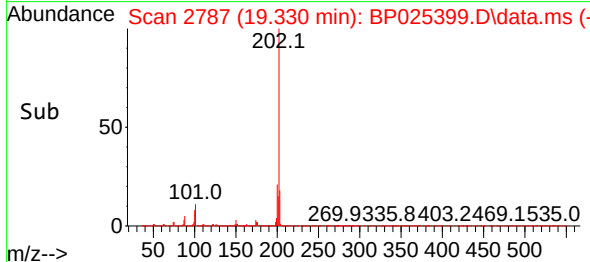
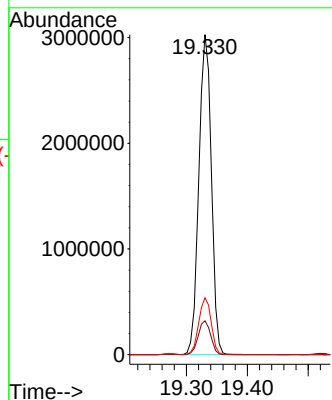
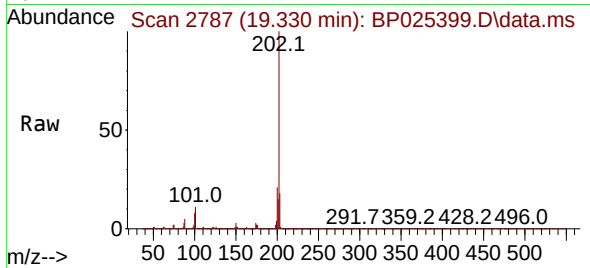




#75
Fluoranthene
Concen: 76.815 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

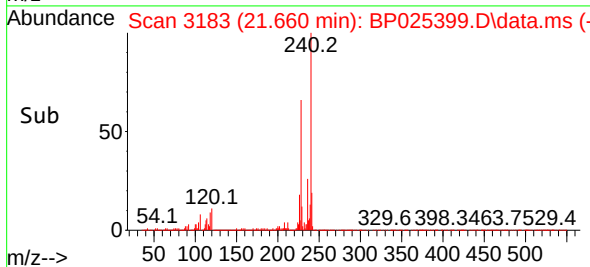
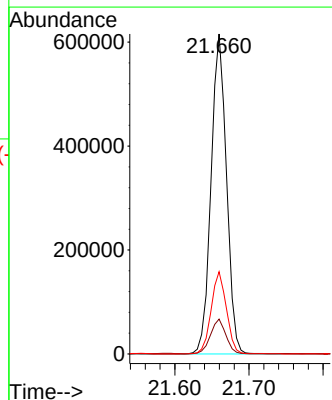
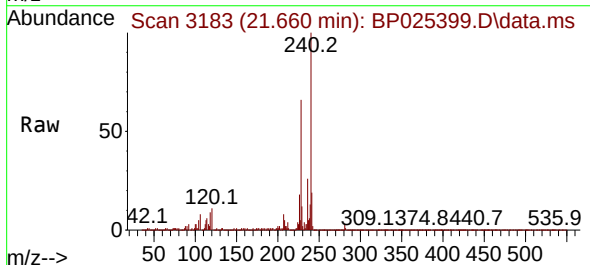
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

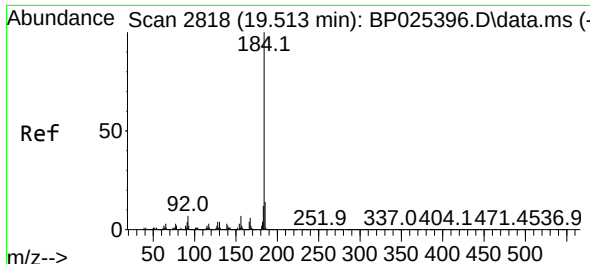
Tgt Ion:202 Resp: 4313301
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.1
203 17.8 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:240 Resp: 888879
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 25.7 19.8 29.8

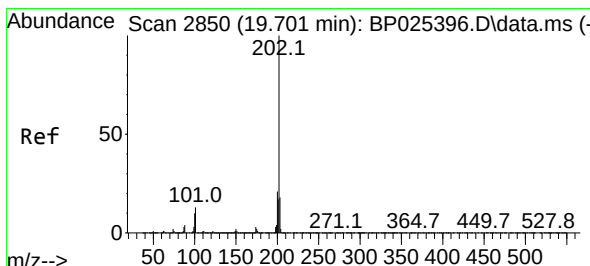
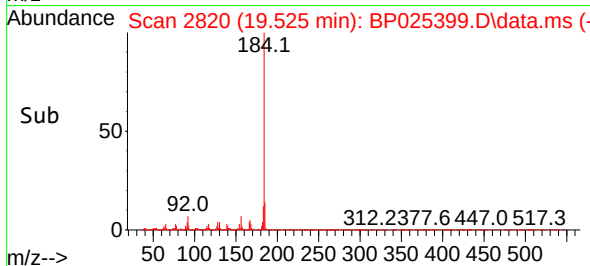
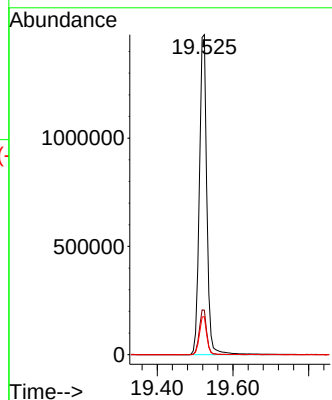
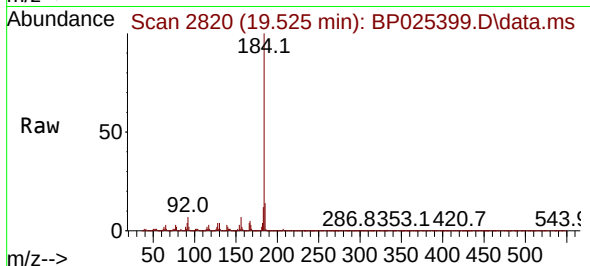




#77
Benzidine
Concen: 67.124 ng
RT: 19.525 min Scan# 2820
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

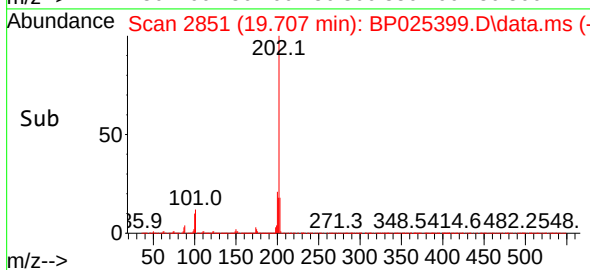
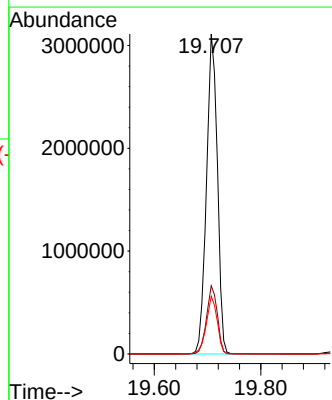
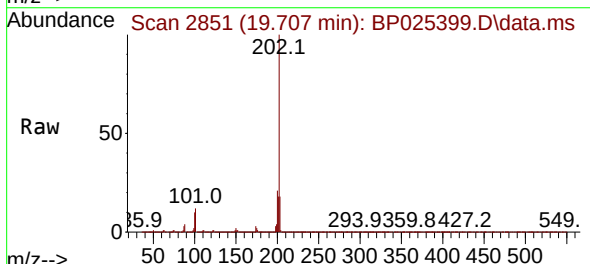
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

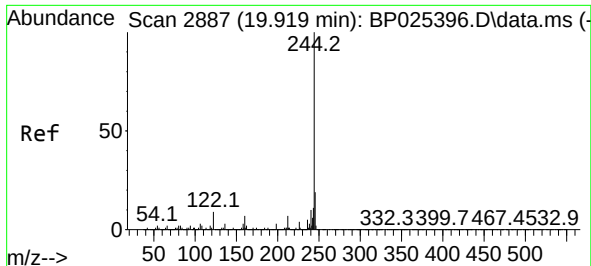
Tgt Ion:184 Resp: 2036246
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 11.9 9.4 14.2



#78
Pyrene
Concen: 76.343 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:202 Resp: 4410693
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 18.1 14.2 21.2

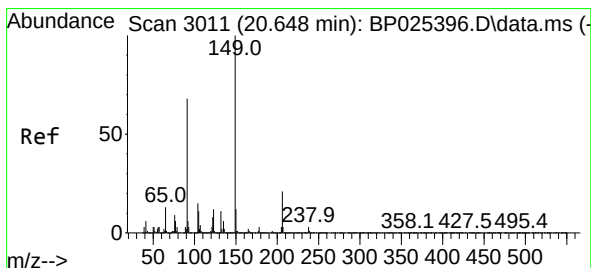
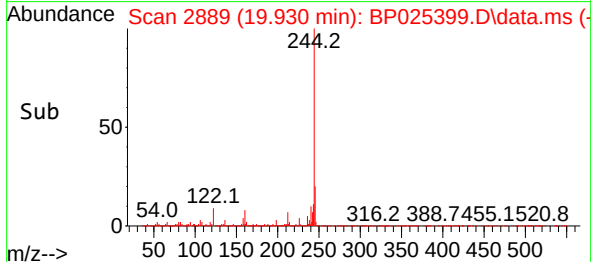
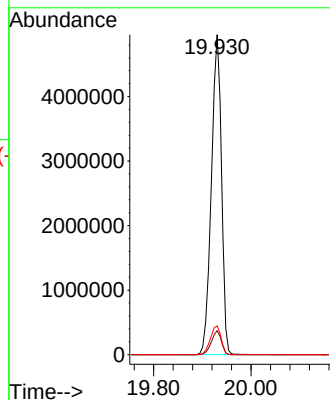
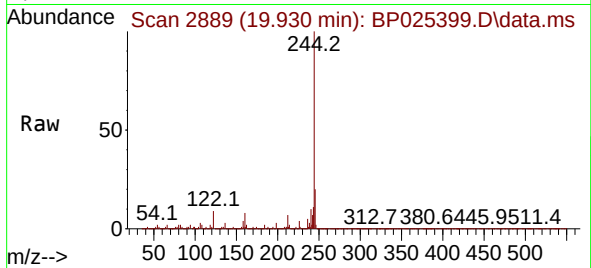




#79
 Terphenyl-d14
 Concen: 146.217 ng
 RT: 19.930 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

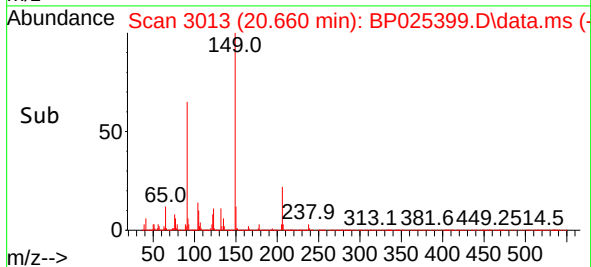
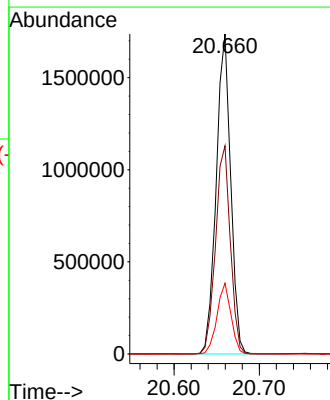
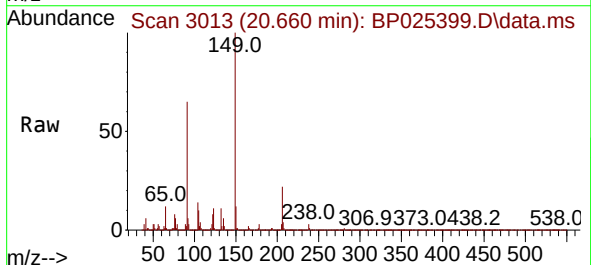
Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

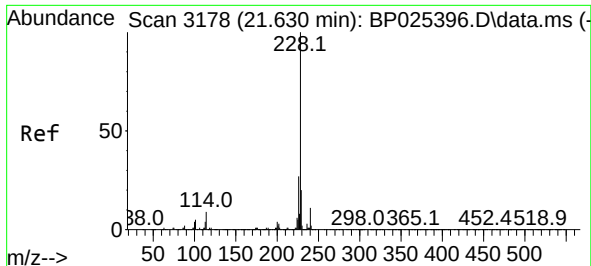
Tgt Ion:244 Resp: 7103816
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 9.0 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 78.460 ng
 RT: 20.660 min Scan# 3013
 Delta R.T. 0.012 min
 Lab File: BP025399.D
 Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 2054404
 Ion Ratio Lower Upper
 149 100
 91 65.0 54.2 81.2
 206 22.1 16.6 24.8

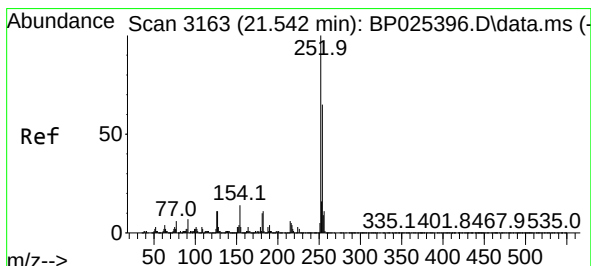
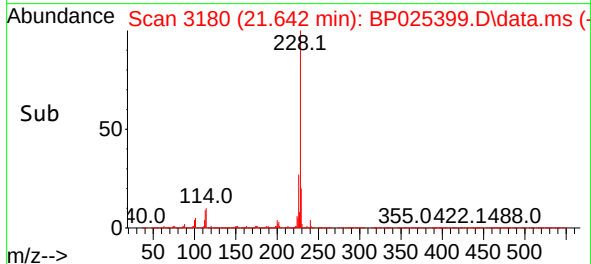
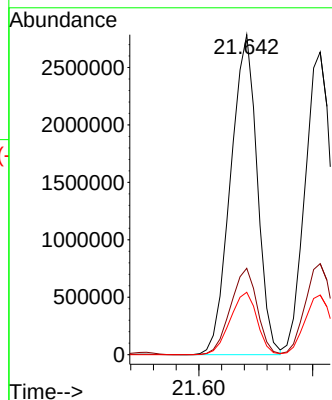
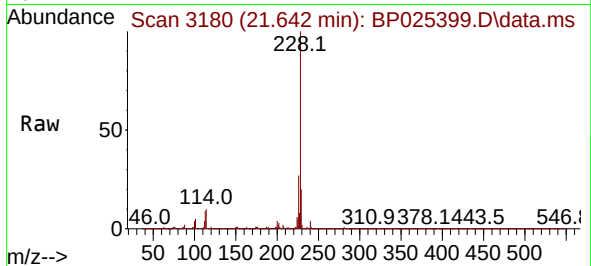




#81
Benzo(a)anthracene
Concen: 77.322 ng
RT: 21.642 min Scan# 3178
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

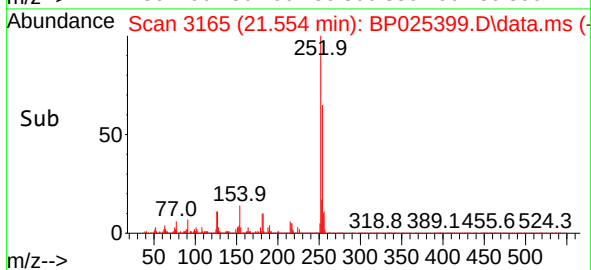
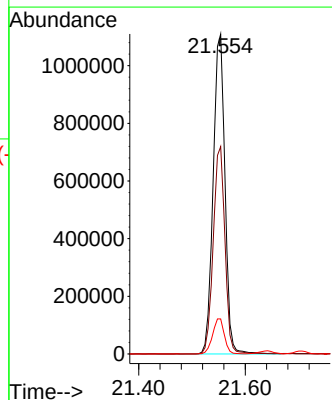
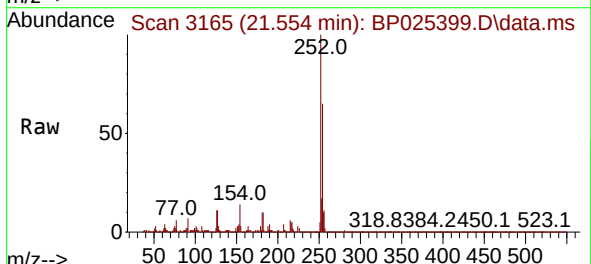
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

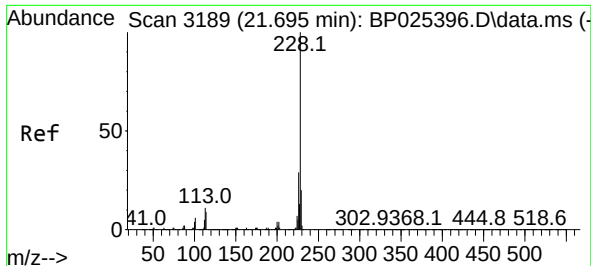
Tgt Ion:228 Resp: 4532763
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.5 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 77.197 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 1705746
Ion Ratio Lower Upper
252 100
254 64.8 51.8 77.6
126 11.0 9.1 13.7

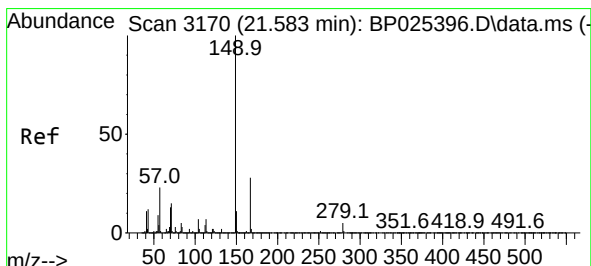
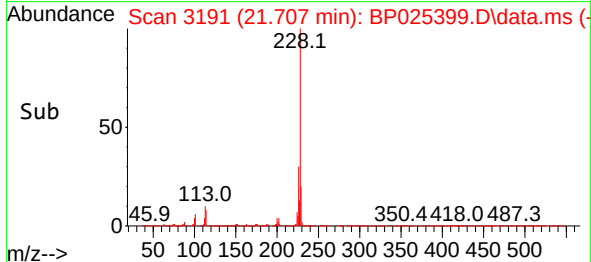
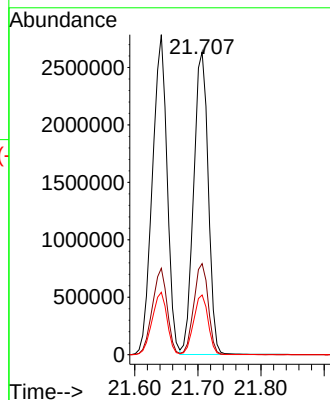
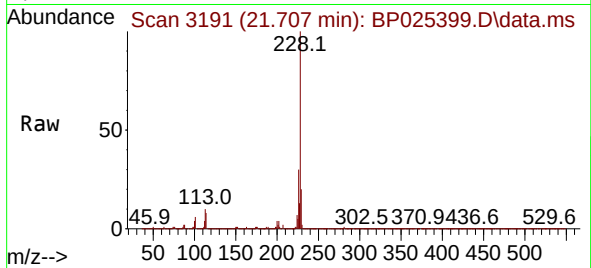




#83
Chrysene
Concen: 76.835 ng
RT: 21.707 min Scan# 3189
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

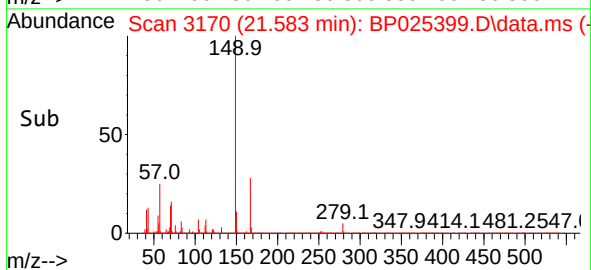
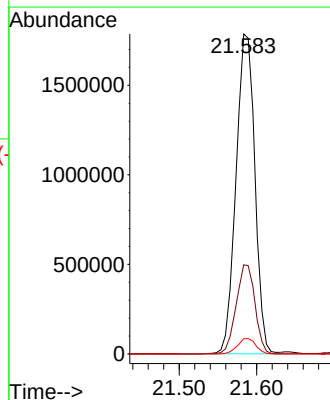
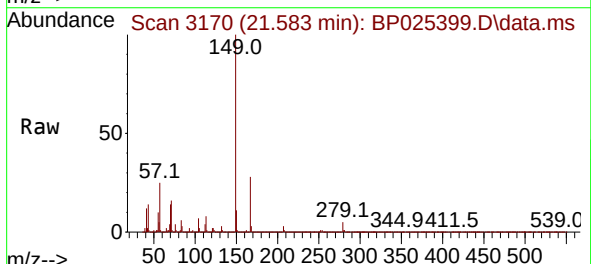
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

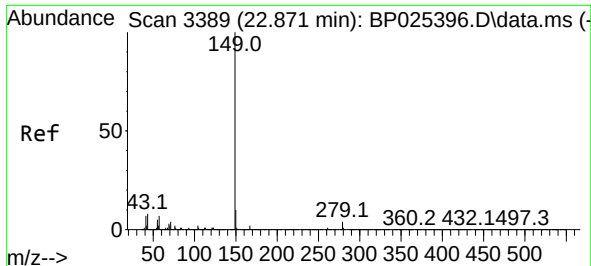
Tgt Ion:228 Resp: 4218161
Ion Ratio Lower Upper
228 100
226 30.1 23.2 34.8
229 19.7 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 78.400 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 3021891
Ion Ratio Lower Upper
149 100
167 27.8 22.1 33.1
279 4.8 3.8 5.6

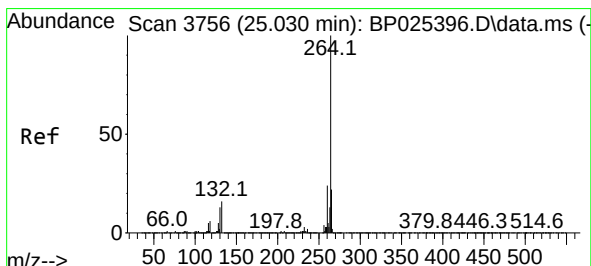
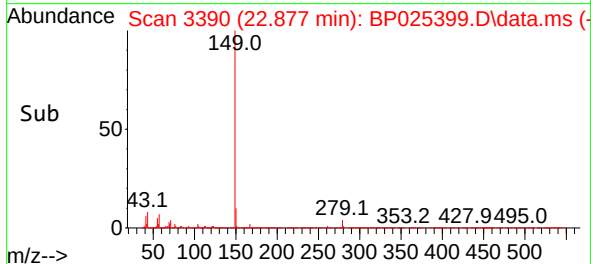
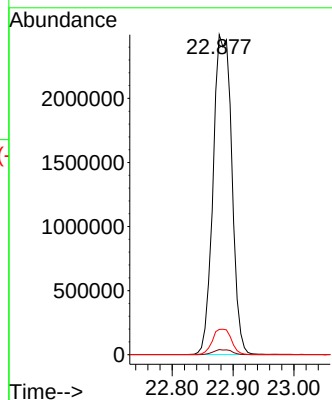
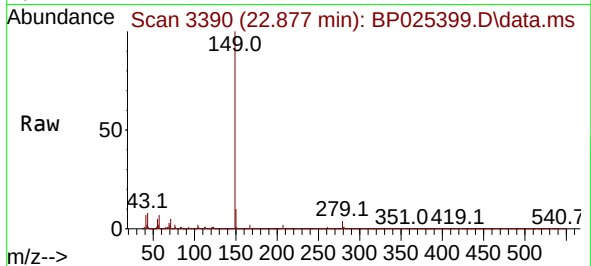




#85
Di-n-octyl phthalate
Concen: 79.974 ng
RT: 22.877 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

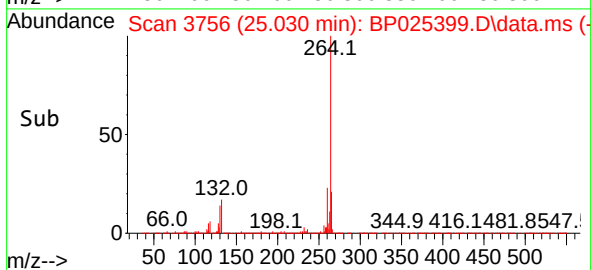
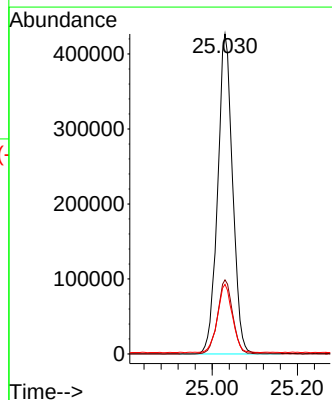
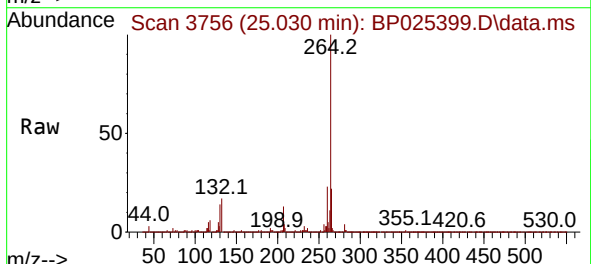
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

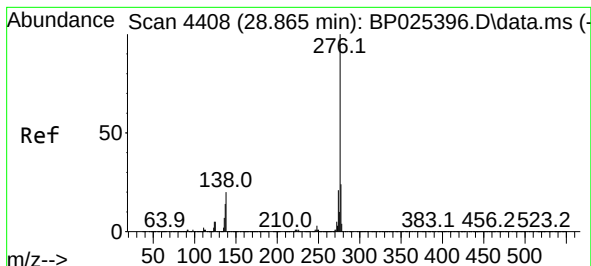
Tgt Ion:149 Resp: 5302080
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:264 Resp: 1037707
Ion Ratio Lower Upper
264 100
260 23.2 19.3 28.9
265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 71.894 ng

RT: 28.895 min Scan# 4408

Delta R.T. 0.029 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

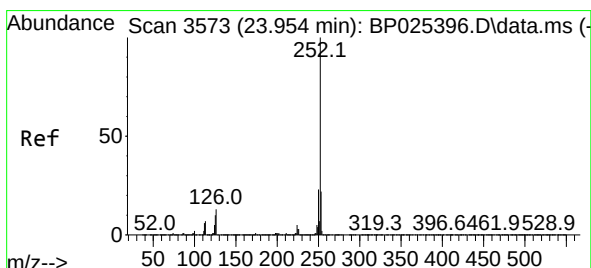
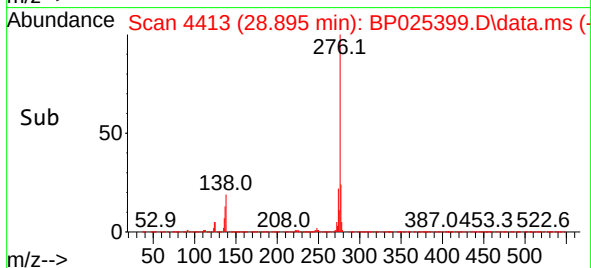
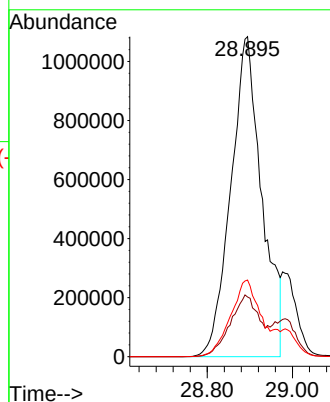
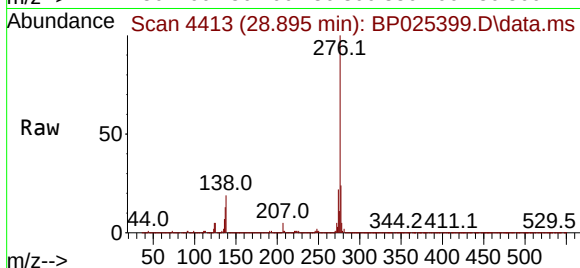
Tgt Ion:276 Resp: 5473121

Ion Ratio Lower Upper

276 100

138 19.0 12.9 19.3

277 23.1 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 79.692 ng

RT: 23.977 min Scan# 3577

Delta R.T. 0.024 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

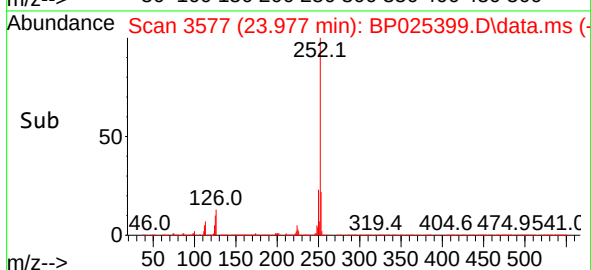
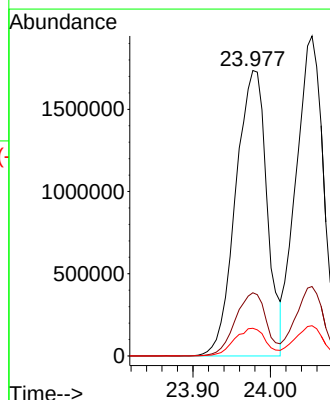
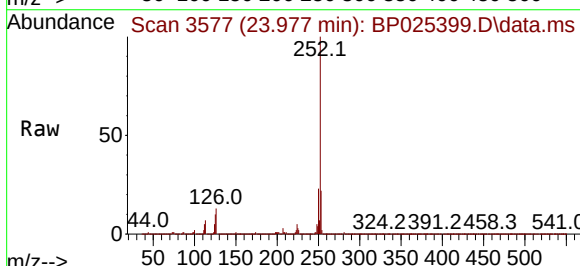
Tgt Ion:252 Resp: 4876398

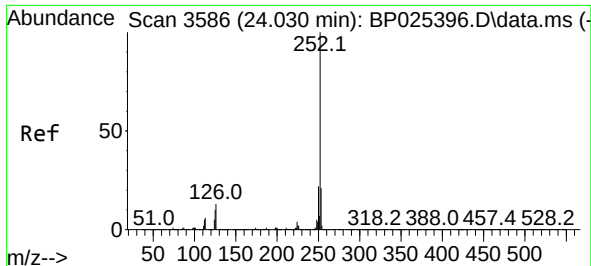
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.7 7.9 11.9

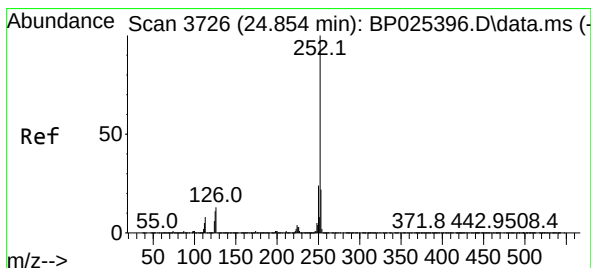
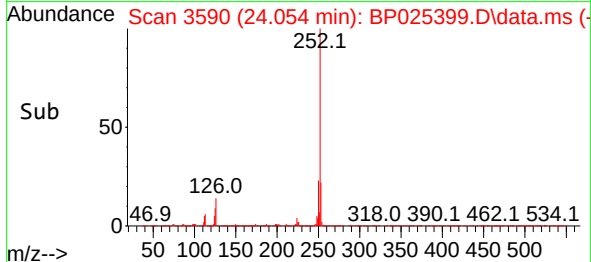
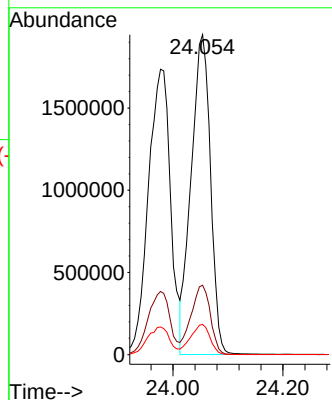
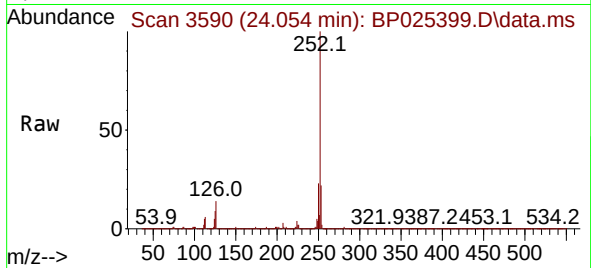




#89
Benzo(k)fluoranthene
Concen: 77.323 ng
RT: 24.054 min Scan# 31
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

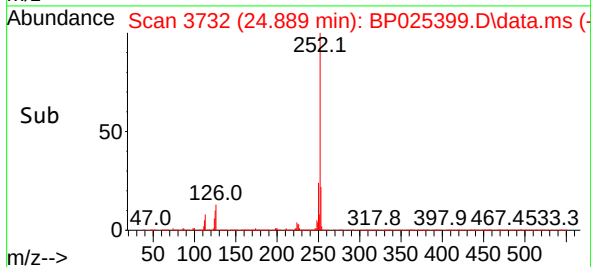
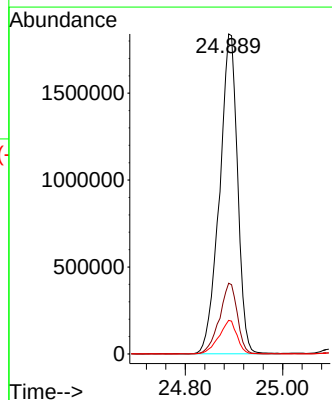
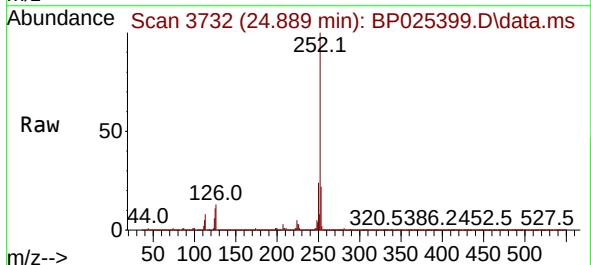
Instrument :
BNA_P
ClientSampleId :
SSTDICC080

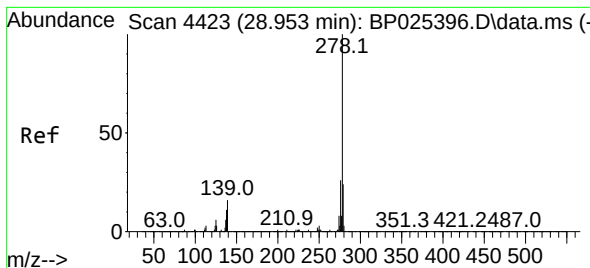
Tgt Ion:252 Resp: 4734637
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 9.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 79.505 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.035 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 4735685
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 81.142 ng

RT: 28.983 min Scan# 4423

Delta R.T. 0.029 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

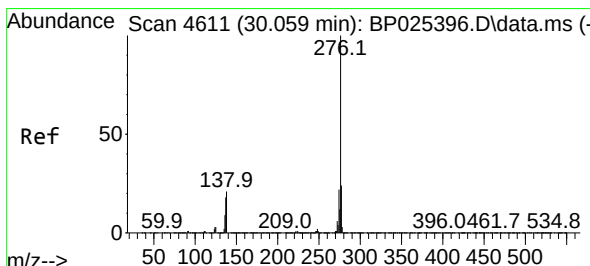
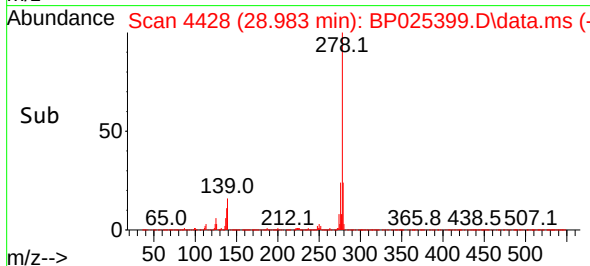
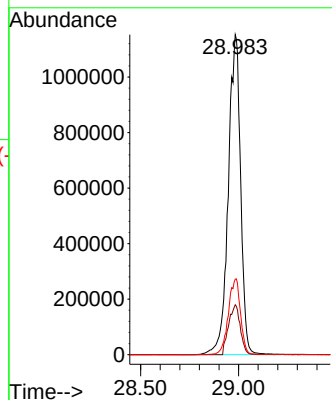
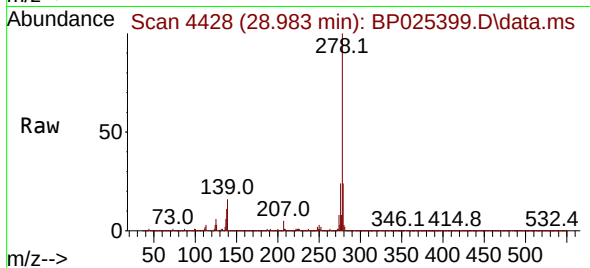
Tgt Ion:278 Resp: 5046260

Ion Ratio Lower Upper

278 100

139 15.6 13.0 19.4

279 23.6 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 80.973 ng

RT: 30.106 min Scan# 4619

Delta R.T. 0.047 min

Lab File: BP025399.D

Acq: 14 Aug 2025 17:24

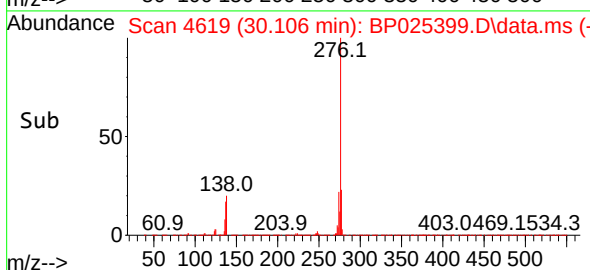
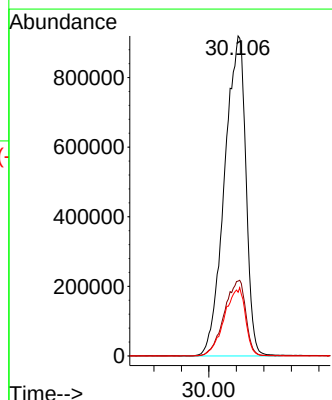
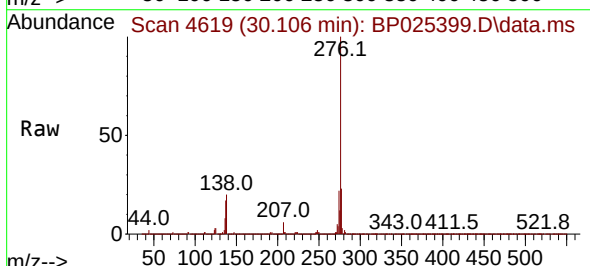
Tgt Ion:276 Resp: 4949477

Ion Ratio Lower Upper

276 100

277 23.4 19.4 29.0

138 19.9 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	174007	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	750079	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	503239	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1034378	20.000	ng	0.01
76) Chrysene-d12	21.654	240	1060337	20.000	ng	0.00
86) Perylene-d12	25.024	264	1200519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	727486	69.430	ng	0.00
7) Phenol-d6	6.966	99	962695	71.663	ng	0.00
23) Nitrobenzene-d5	8.937	82	984441	66.391	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	484870	71.582	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	2430828	66.016	ng	0.00
79) Terphenyl-d14	19.936	244	3848160	66.399	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	138687	33.792	ng	99
3) Pyridine	3.731	79	403298	35.901	ng	98
4) n-Nitrosodimethylamine	3.631	42	176521	38.115	ng	98
6) Aniline	7.125	93	690437	38.147	ng	99
8) 2-Chlorophenol	7.366	128	455230	38.501	ng	99
9) Benzaldehyde	6.943	77	321335	34.142	ng	96
10) Phenol	6.996	94	541123	38.388	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	421318	38.348	ng	99
12) 1,3-Dichlorobenzene	7.684	146	492014	37.738	ng	100
13) 1,4-Dichlorobenzene	7.825	146	504919	37.890	ng	97
14) 1,2-Dichlorobenzene	8.143	146	487845	37.818	ng	99
15) Benzyl Alcohol	8.025	79	416544	39.025	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	563276	38.271	ng	99
17) 2-Methylphenol	8.225	107	380608	38.877	ng	100
18) Hexachloroethane	8.866	117	186691	38.103	ng	97
19) n-Nitroso-di-n-propyla...	8.590	70	340533	38.270	ng	99
20) 3+4-Methylphenols	8.549	107	524095	38.620	ng	99
22) Acetophenone	8.602	105	718869	38.216	ng	# 99
24) Nitrobenzene	8.978	77	494466	37.313	ng	98
25) Isophorone	9.501	82	993378	37.855	ng	99
26) 2-Nitrophenol	9.678	139	263348	38.722	ng	97
27) 2,4-Dimethylphenol	9.743	122	455078	38.910	ng	99
28) bis(2-Chloroethoxy)met...	9.972	93	599862	37.816	ng	99
29) 2,4-Dichlorophenol	10.213	162	449034	38.649	ng	98
30) 1,2,4-Trichlorobenzene	10.431	180	474183	37.231	ng	98
31) Naphthalene	10.613	128	1459279	37.431	ng	99
32) Benzoic acid	9.884	122	330207	38.242	ng	96
33) 4-Chloroaniline	10.713	127	655135	38.043	ng	99
34) Hexachlorobutadiene	10.901	225	293728	37.031	ng	98
35) Caprolactam	11.501	113	163211	38.310	ng	98
36) 4-Chloro-3-methylphenol	11.837	107	517126	38.789	ng	98
37) 2-Methylnaphthalene	12.219	142	960146	37.845	ng	99
38) 1-Methylnaphthalene	12.443	142	1012844	37.539	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	550777	37.895	ng	100
41) Hexachlorocyclopentadiene	12.572	237	351819	40.074	ng	100
43) 2,4,6-Trichlorophenol	12.831	196	382393	38.972	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
 Data File : BP025400.D
 Acq On : 14 Aug 2025 18:05
 Operator : CG/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

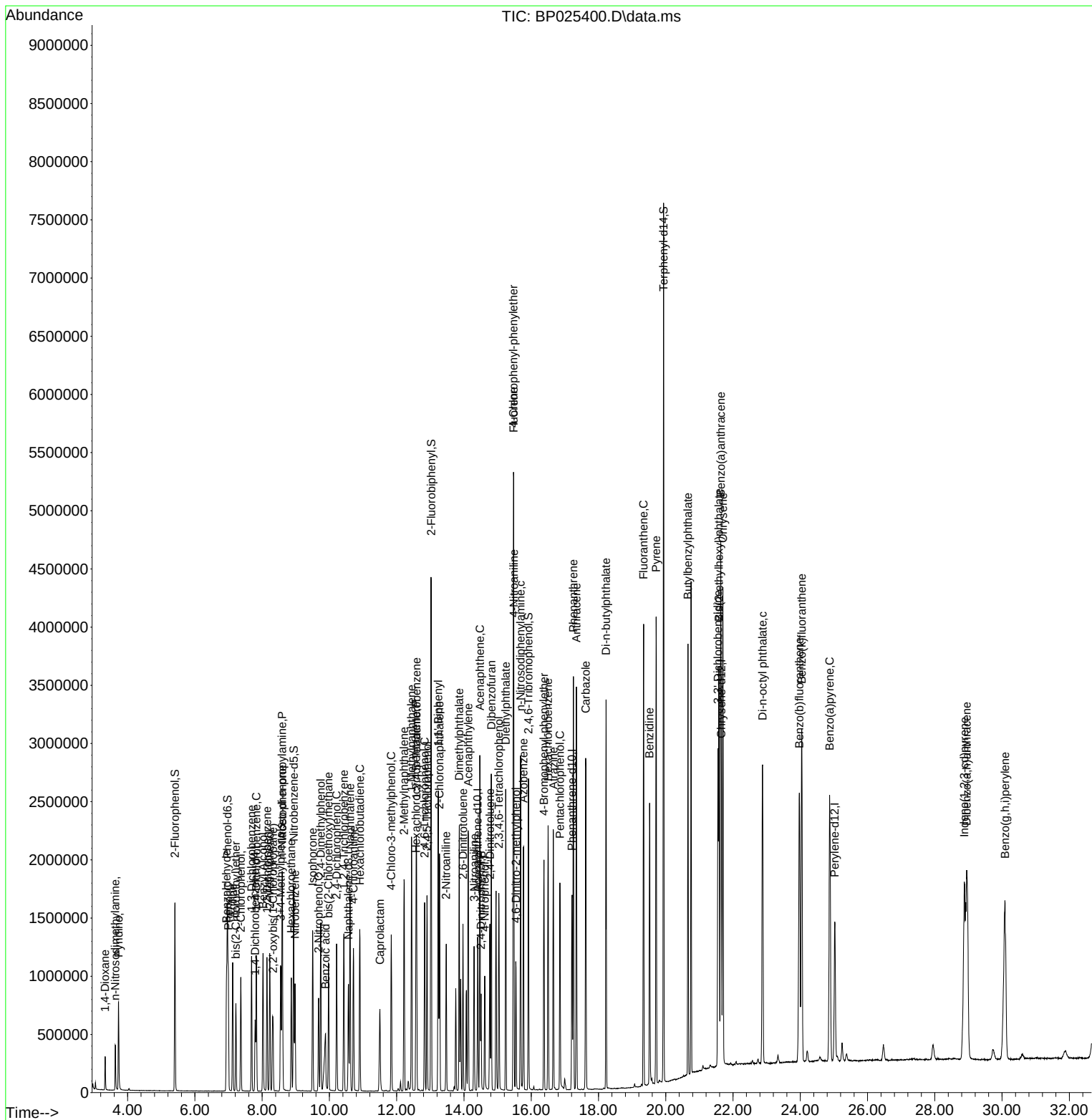
Quant Time: Aug 14 18:24:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

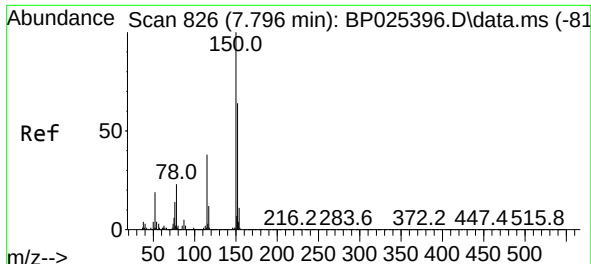
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	420565	39.108	ng	99
46) 1,1'-Biphenyl	13.237	154	1376834	37.672	ng	99
47) 2-Chloronaphthalene	13.272	162	1072147	37.682	ng	99
48) 2-Nitroaniline	13.472	65	323995	39.081	ng	99
49) Acenaphthylene	14.125	152	1775899	37.720	ng	100
50) Dimethylphthalate	13.860	163	1406620	38.170	ng	100
51) 2,6-Dinitrotoluene	13.972	165	304562	39.211	ng	98
52) Acenaphthene	14.472	154	1039167	37.603	ng	99
53) 3-Nitroaniline	14.301	138	349791	40.027	ng	98
54) 2,4-Dinitrophenol	14.507	184	172743	41.646	ng	100
55) Dibenzofuran	14.813	168	1630744	37.324	ng	100
56) 4-Nitrophenol	14.619	139	284585	39.630	ng	99
57) 2,4-Dinitrotoluene	14.772	165	448143	40.439	ng	98
58) Fluorene	15.478	166	1275341	36.992	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	371715	39.147	ng	99
60) Diethylphthalate	15.242	149	1415787	37.810	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	627477	36.596	ng	99
62) 4-Nitroaniline	15.484	138	346865	38.717	ng	99
63) Azobenzene	15.766	77	1235242	38.526	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	256111	39.721	ng	99
66) n-Nitrosodiphenylamine	15.684	169	1174244	37.227	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	422072	37.101	ng	96
68) Hexachlorobenzene	16.501	284	488749	37.062	ng	98
69) Atrazine	16.660	200	449555	38.057	ng	100
70) Pentachlorophenol	16.854	266	322435	38.733	ng	98
71) Phenanthrene	17.254	178	2070873	36.445	ng	99
72) Anthracene	17.342	178	2179669	37.563	ng	100
73) Carbazole	17.619	167	2028595	37.116	ng	100
74) Di-n-butylphthalate	18.225	149	2528547	37.602	ng	100
75) Fluoranthene	19.342	202	2540417	37.481	ng	99
77) Benzidine	19.519	184	1529656	42.271	ng	99
78) Pyrene	19.713	202	2577810	37.404	ng	99
80) Butylbenzylphthalate	20.660	149	1199445	38.401	ng	98
81) Benzo(a)anthracene	21.636	228	2583866	36.950	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1002597	38.038	ng	99
83) Chrysene	21.701	228	2446197	37.353	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1780746	38.729	ng	100
85) Di-n-octyl phthalate	22.877	149	2998528	37.915	ng	100
87) Indeno(1,2,3-cd)pyrene	28.877	276	3267965	37.119	ng	94
88) Benzo(b)fluoranthene	23.971	252	2616701	36.964	ng	100
89) Benzo(k)fluoranthene	24.042	252	2653905	37.464	ng	99
90) Benzo(a)pyrene	24.871	252	2560692	37.160	ng	100
91) Dibenzo(a,h)anthracene	28.948	278	2697336	37.490	ng	99
92) Benzo(g,h,i)perylene	30.089	276	2632085	37.216	ng	98

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

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

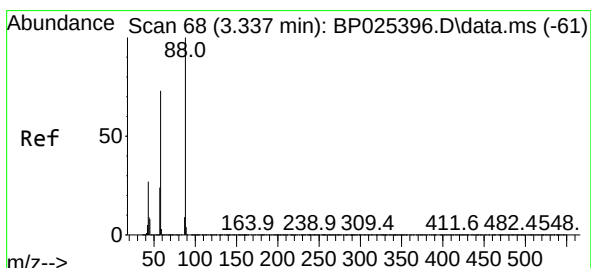
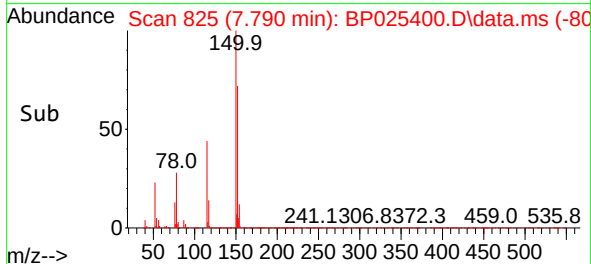
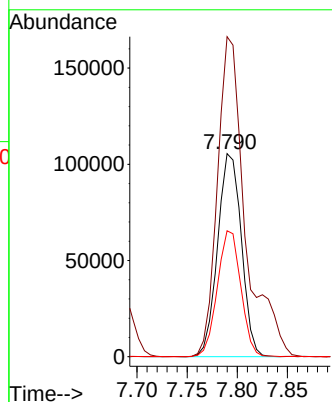
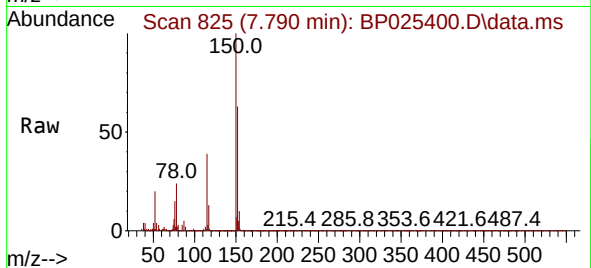




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

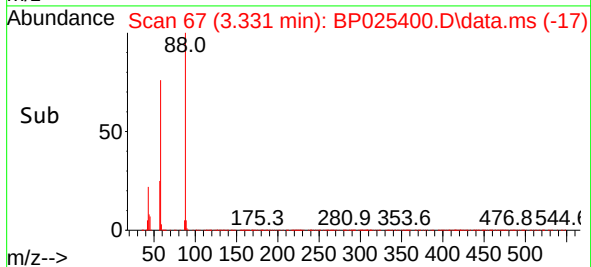
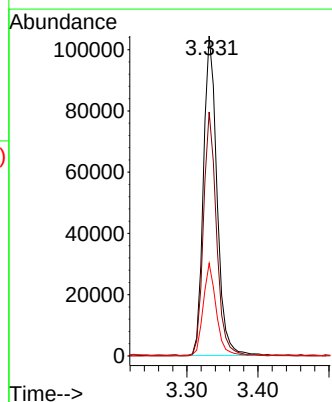
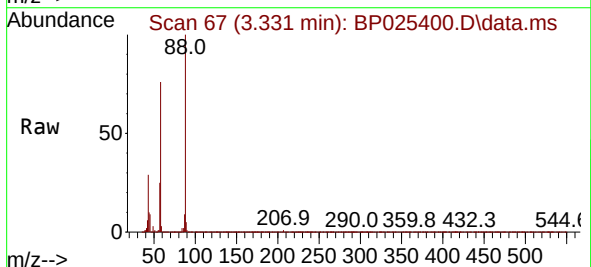
Instrument :
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 ClientSampleId :
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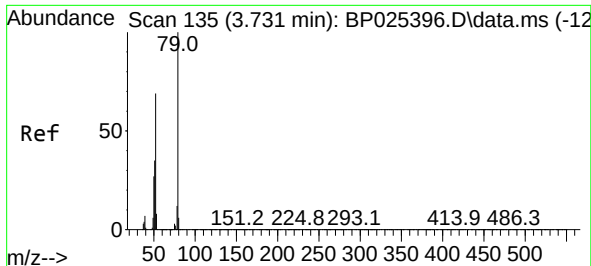
Tgt Ion:152 Resp: 174007
 Ion Ratio Lower Upper
 152 100
 150 157.6 125.9 188.9
 115 62.0 48.5 72.7



#2
 1,4-Dioxane
 Concen: 33.792 ng
 RT: 3.331 min Scan# 67
 Delta R.T. -0.006 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

Tgt Ion: 88 Resp: 138687
 Ion Ratio Lower Upper
 88 100
 58 73.7 59.2 88.8
 43 27.9 21.7 32.5

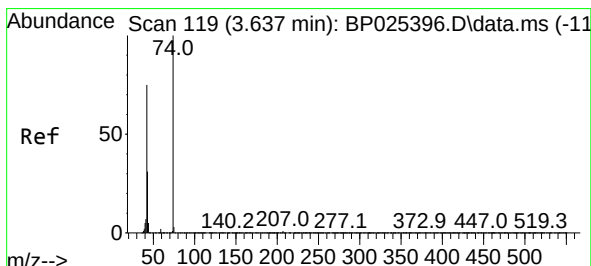
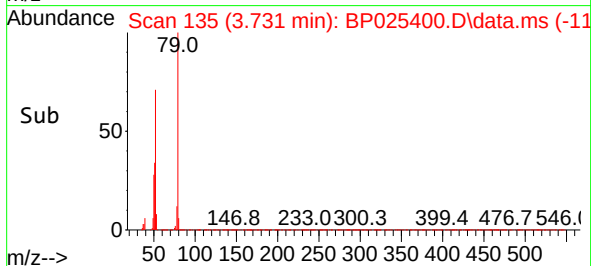
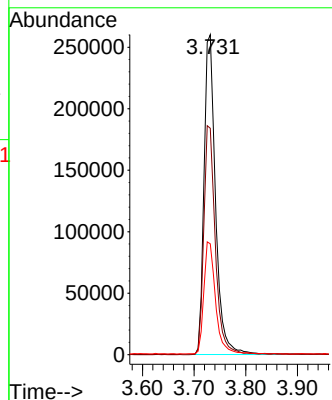
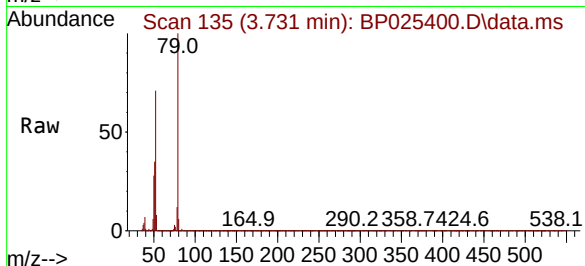




#3
Pyridine
Concen: 35.901 ng
RT: 3.731 min Scan# 118
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

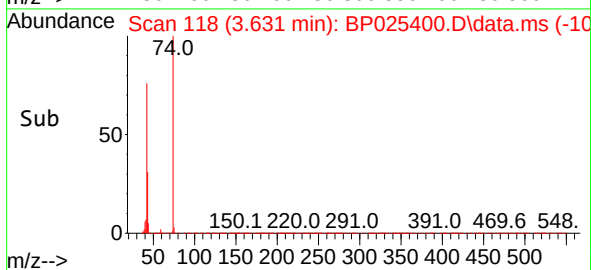
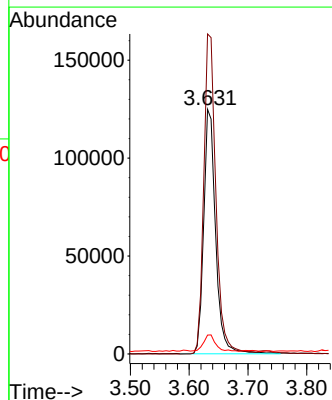
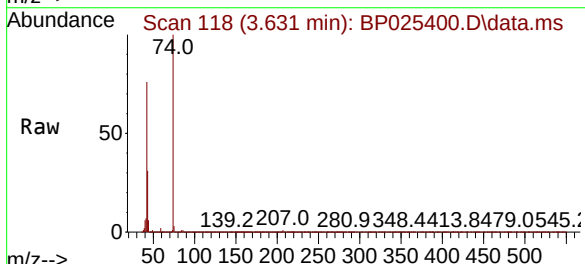
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

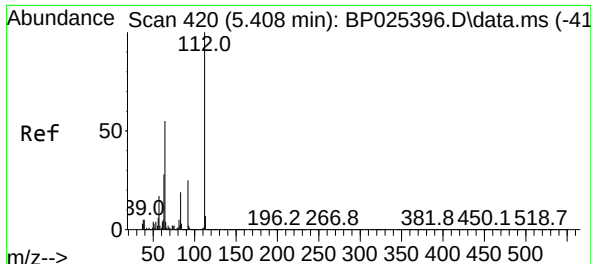
Tgt Ion: 79 Resp: 403298
Ion Ratio Lower Upper
79 100
52 70.8 55.5 83.3
51 34.7 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 38.115 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 42 Resp: 176521
Ion Ratio Lower Upper
42 100
74 130.8 107.0 160.4
44 7.7 6.2 9.4

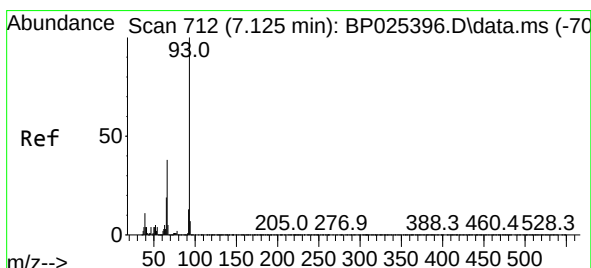
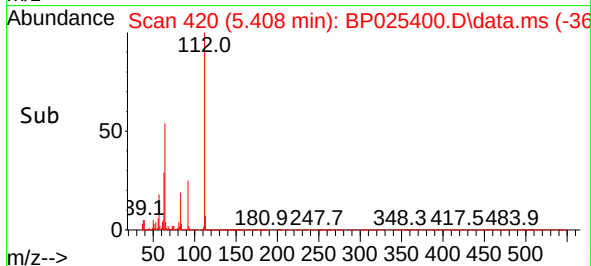
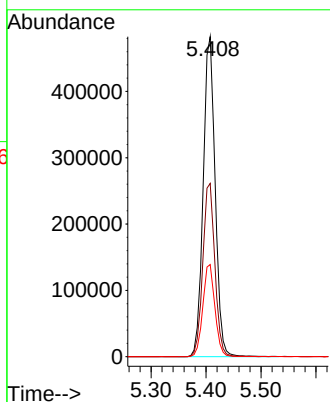
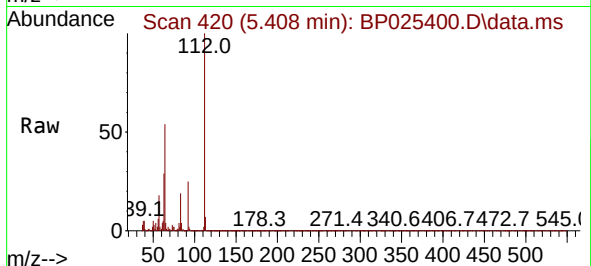




#5
2-Fluorophenol
Concen: 69.430 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

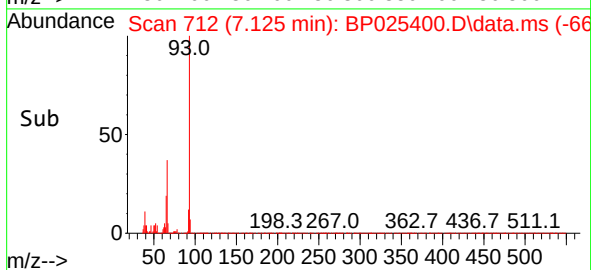
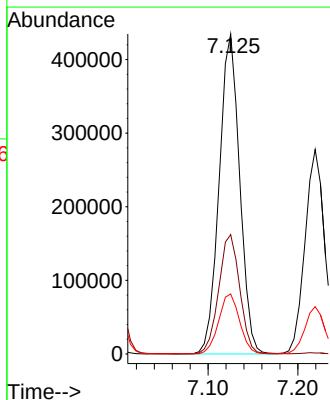
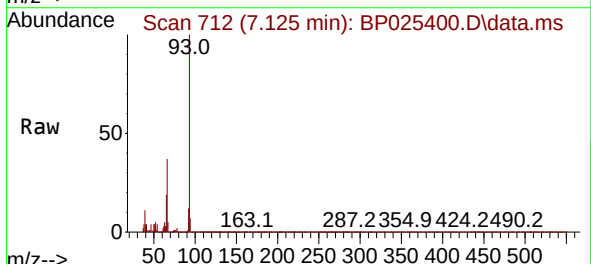
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

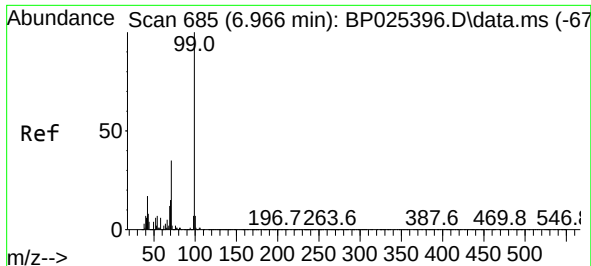
Tgt Ion:112 Resp: 727486
Ion Ratio Lower Upper
112 100
64 54.2 43.8 65.8
63 28.8 22.7 34.1



#6
Aniline
Concen: 38.147 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 690437
Ion Ratio Lower Upper
93 100
66 37.3 30.4 45.6
65 18.7 15.3 22.9

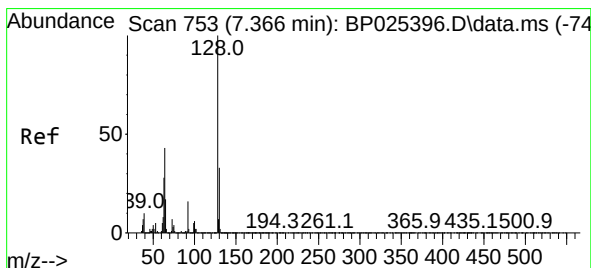
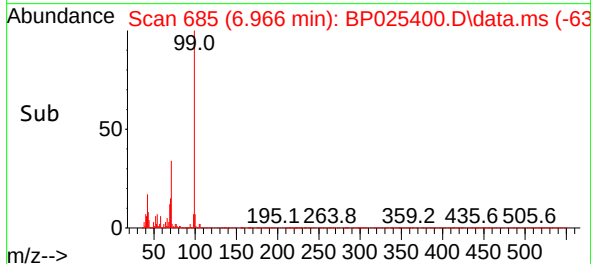
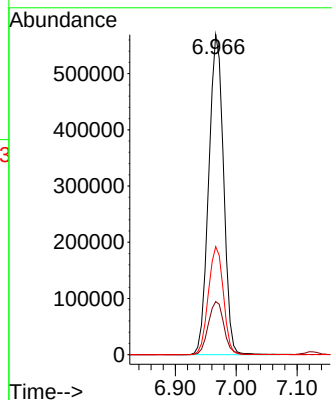
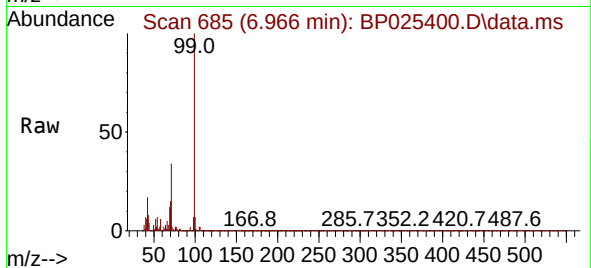




#7
Phenol-d6
Concen: 71.663 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

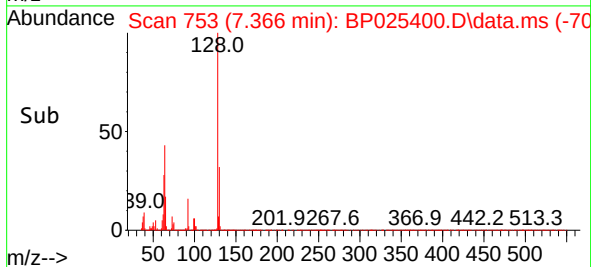
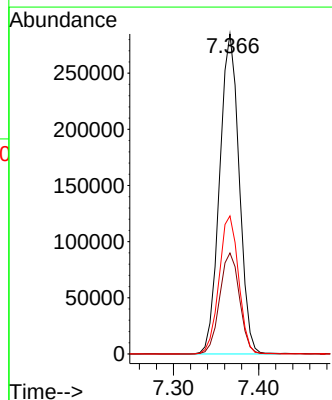
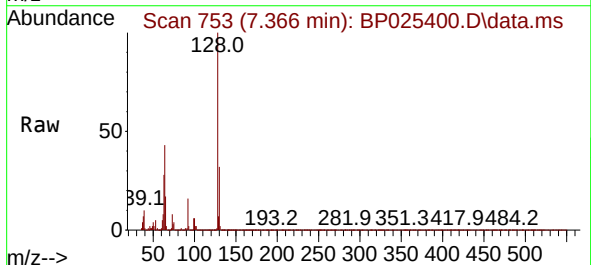
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

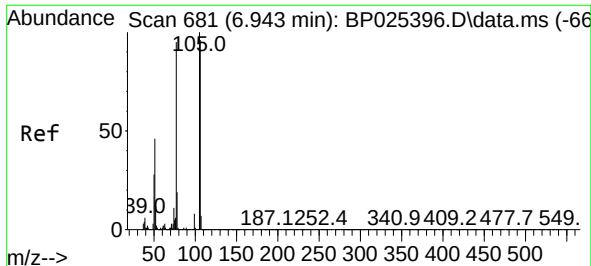
Tgt Ion:	99	Resp:	962695
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.7	20.5
71	33.7	28.2	42.4



#8
2-Chlorophenol
Concen: 38.501 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:	128	Resp:	455230
Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.6	52.6
64	43.2	23.4	63.4

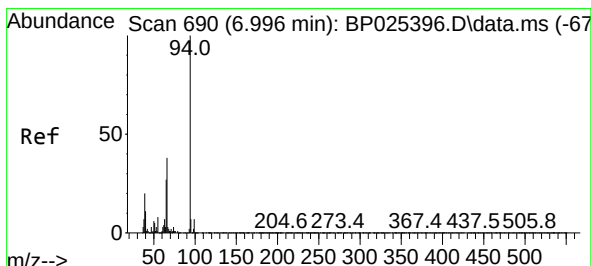
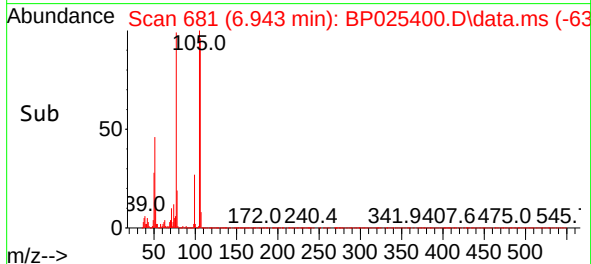
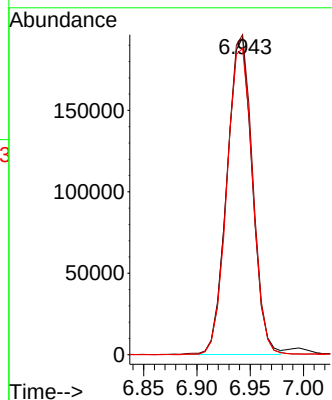
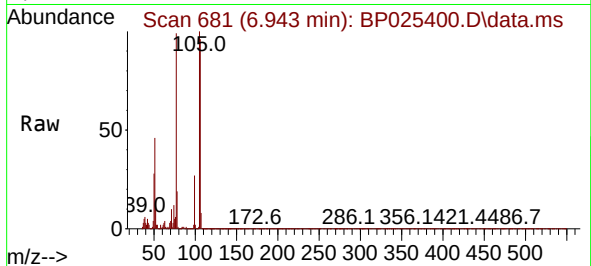




#9
Benzaldehyde
Concen: 34.142 ng
RT: 6.943 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

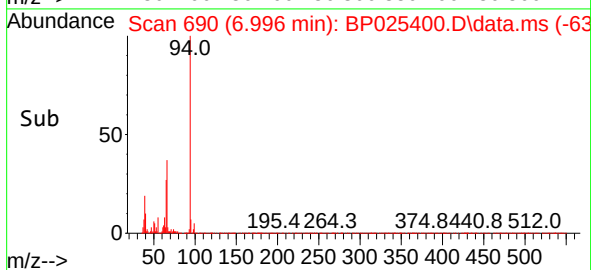
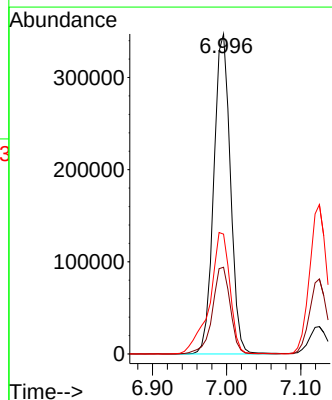
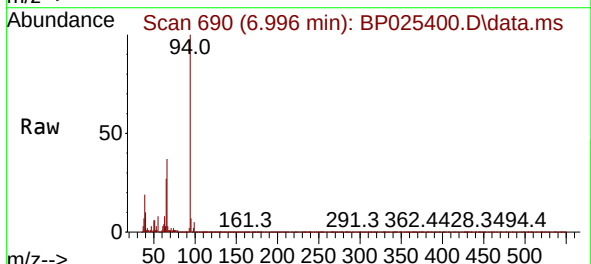
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

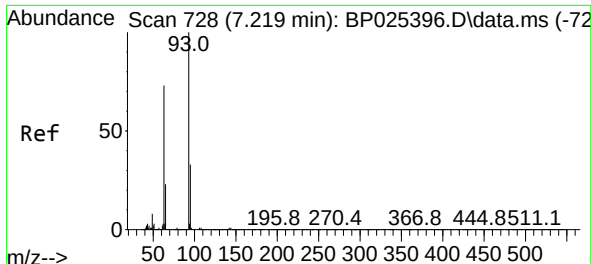
Tgt Ion: 77 Resp: 321335
Ion Ratio Lower Upper
77 100
105 100.9 84.8 124.8
106 96.6 80.5 120.5



#10
Phenol
Concen: 38.388 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 94 Resp: 541123
Ion Ratio Lower Upper
94 100
65 27.1 6.8 46.8
66 37.5 18.2 58.2



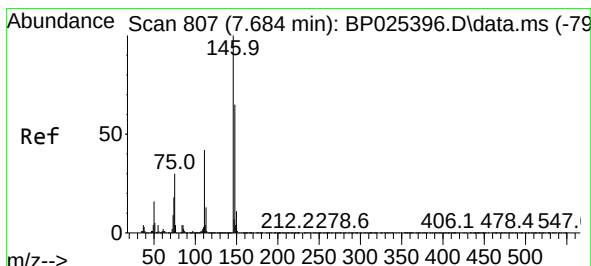
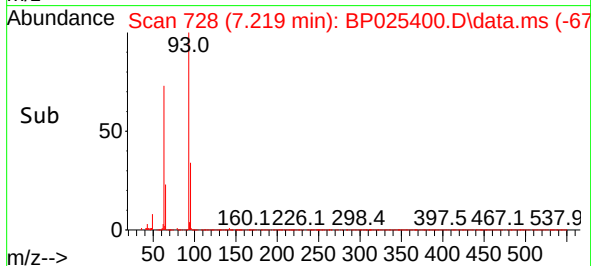
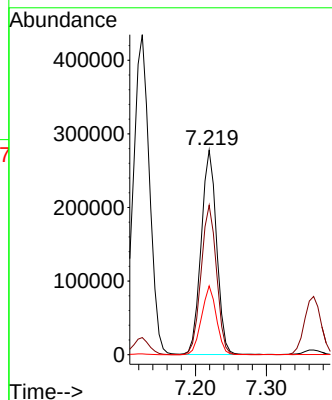
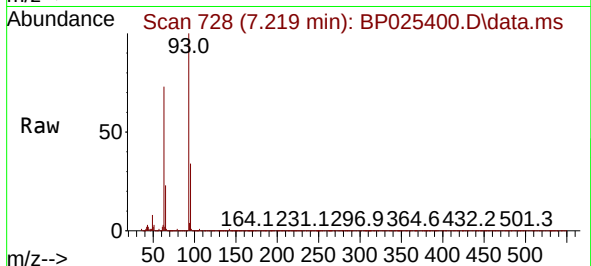


#11
bis(2-Chloroethyl)ether
Concen: 38.348 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 93 Resp: 421318

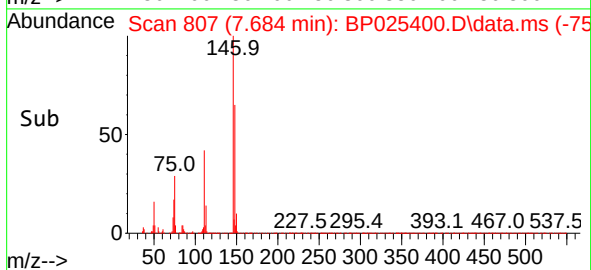
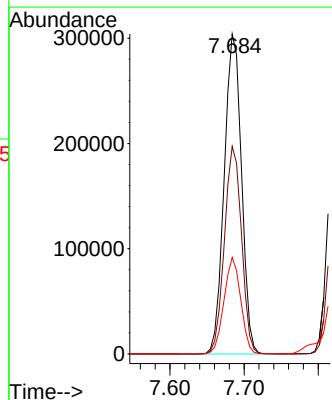
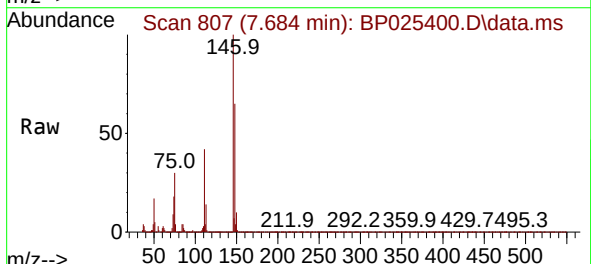
Ion	Ratio	Lower	Upper
93	100		
63	73.1	52.6	92.6
95	33.6	12.7	52.7

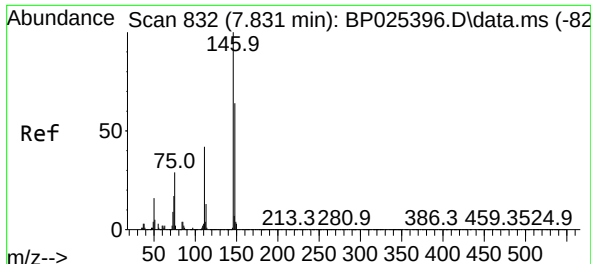


#12
1,3-Dichlorobenzene
Concen: 37.738 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 146 Resp: 492014

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	30.1	23.7	35.5

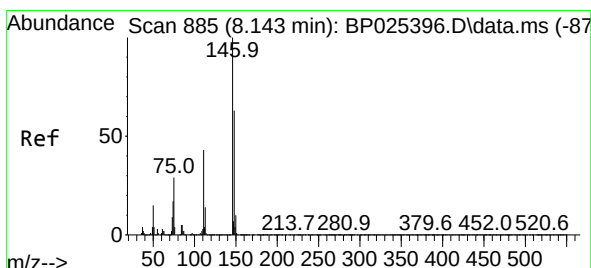
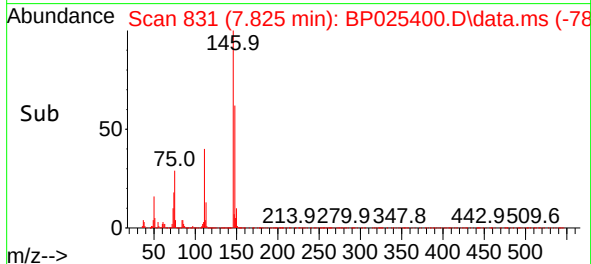
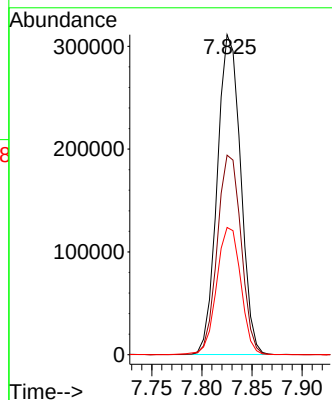
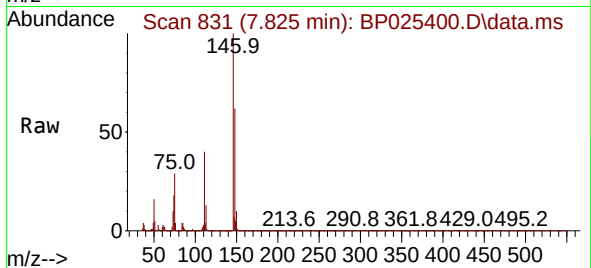




#13
1,4-Dichlorobenzene
Concen: 37.890 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

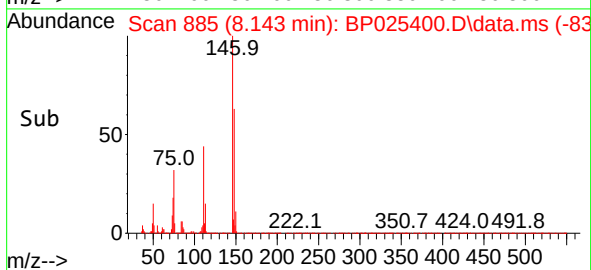
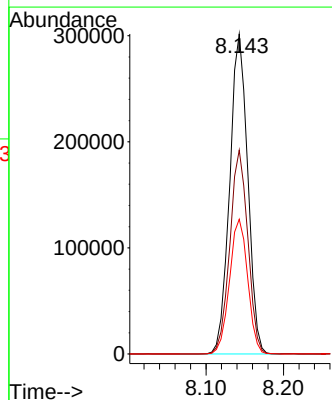
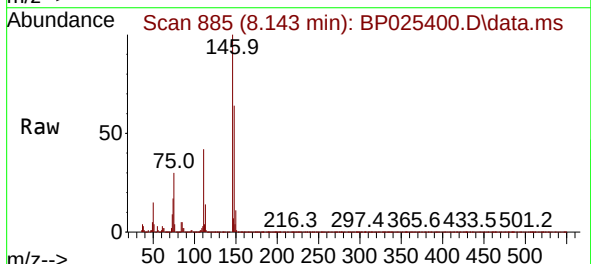
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

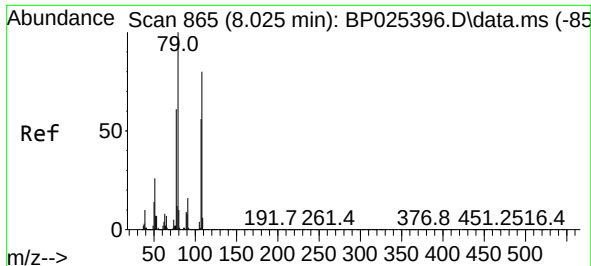
Tgt Ion:146 Resp: 504919
Ion Ratio Lower Upper
146 100
148 62.3 51.6 77.4
111 39.8 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 37.818 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 487845
Ion Ratio Lower Upper
146 100
148 63.7 50.4 75.6
111 42.1 34.5 51.7

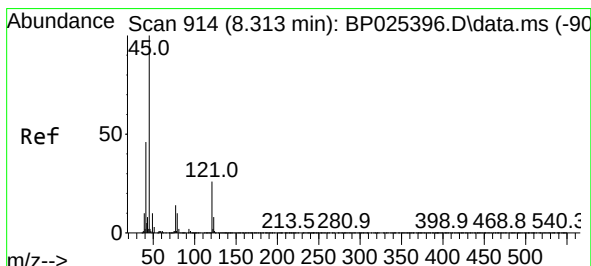
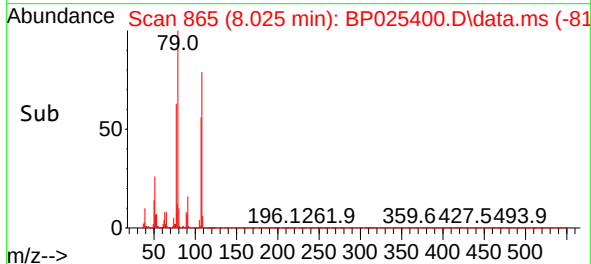
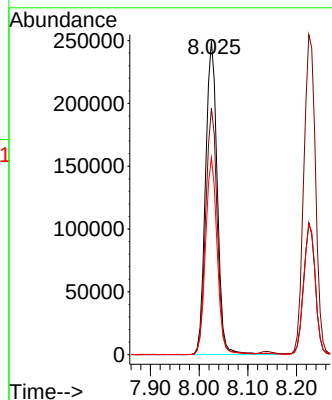
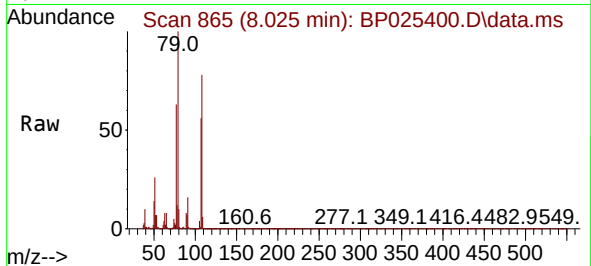




#15
Benzyl Alcohol
Concen: 39.025 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

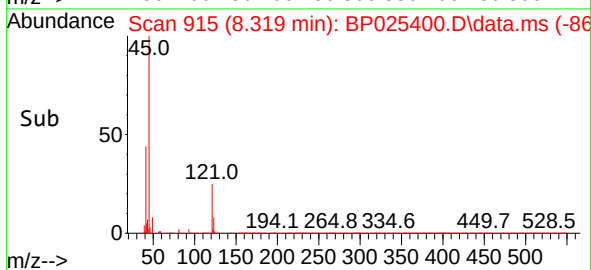
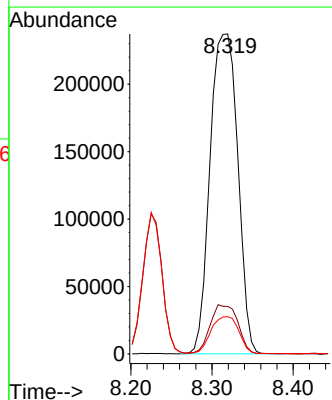
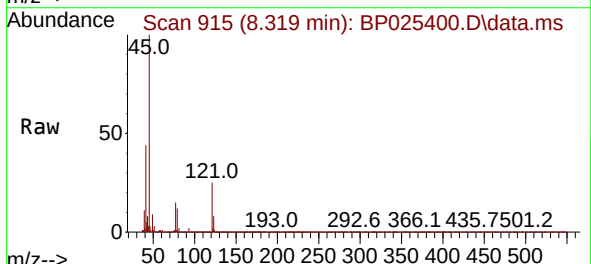
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

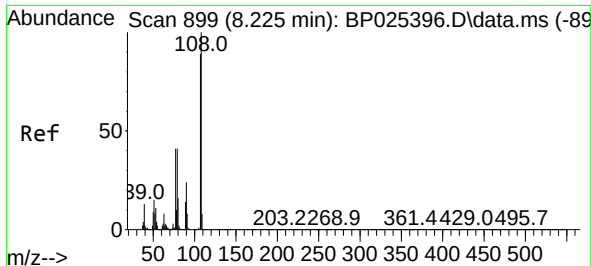
Tgt Ion: 79 Resp: 416544
Ion Ratio Lower Upper
79 100
108 78.5 63.8 95.6
77 62.8 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.271 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

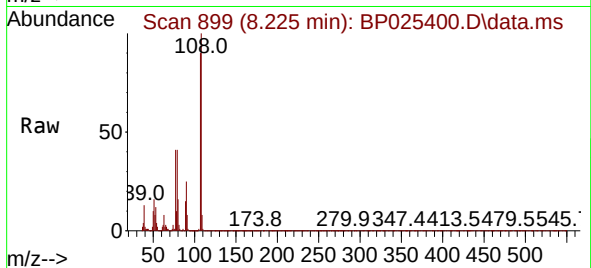
Tgt Ion: 45 Resp: 563276
Ion Ratio Lower Upper
45 100
77 14.8 0.0 35.3
79 11.7 0.0 31.8



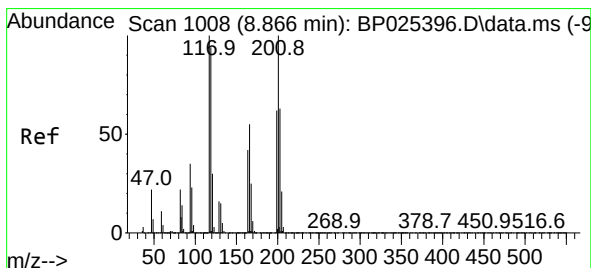
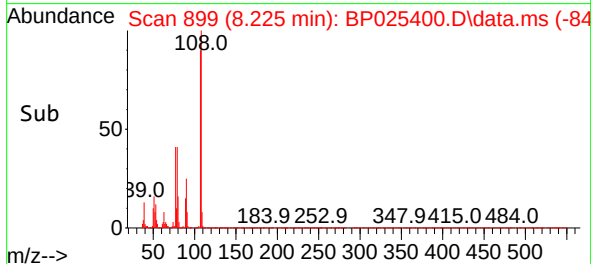
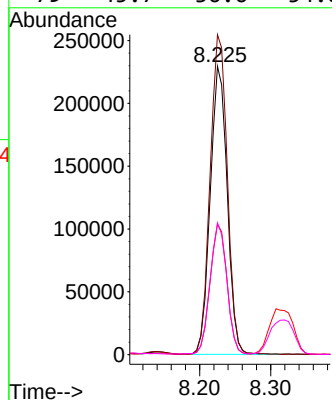


#17
2-Methylphenol
Concen: 38.877 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

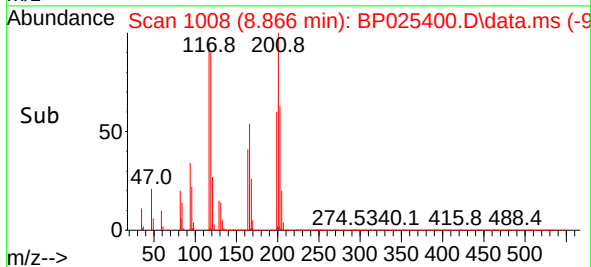
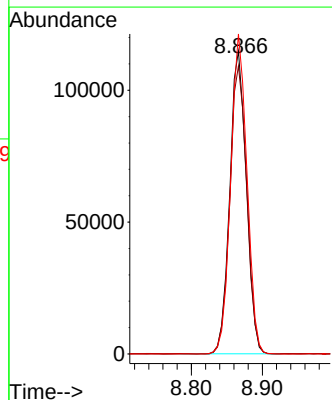
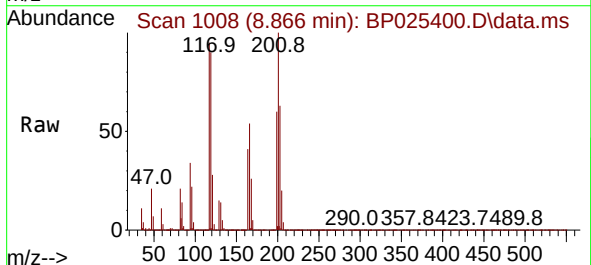


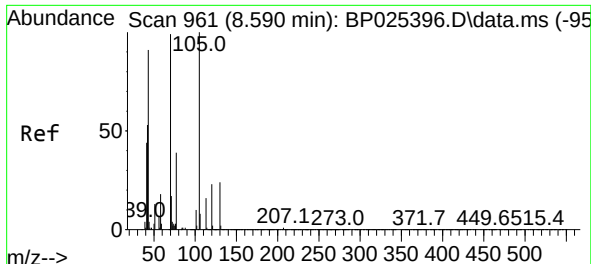
Tgt Ion:	107	Resp:	380608
Ion	Ratio	Lower	Upper
107	100		
108	111.0	89.4	134.0
77	45.3	36.3	54.5
79	45.7	36.6	54.8



#18
Hexachloroethane
Concen: 38.103 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:	117	Resp:	186691
Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.1	112.7
201	105.6	80.1	120.1



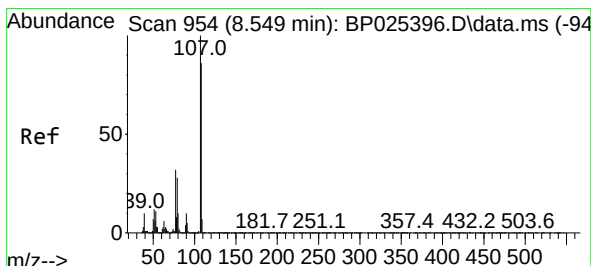
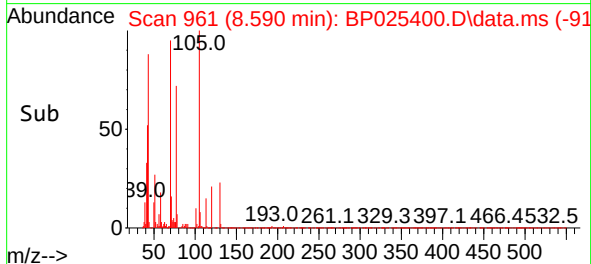
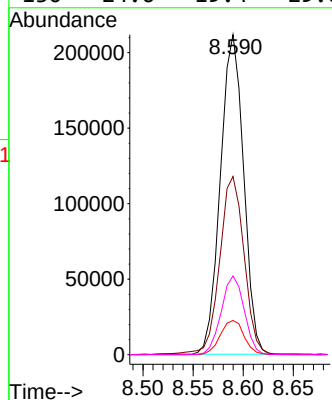
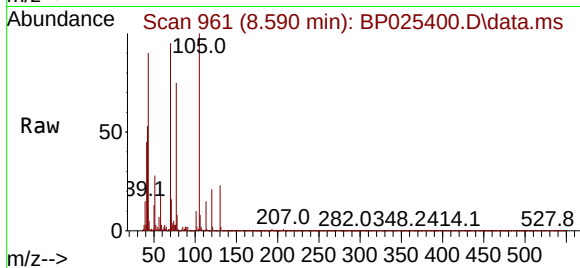


#19
n-Nitroso-di-n-propylamine
Concen: 38.270 ng
RT: 8.590 min Scan# 961
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 70 Resp: 340533

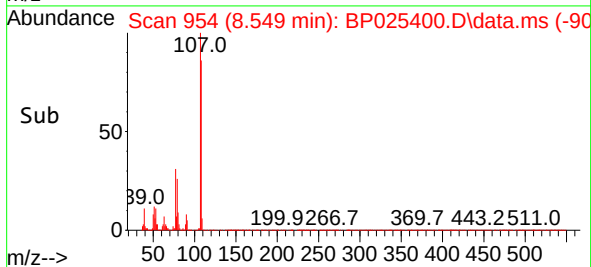
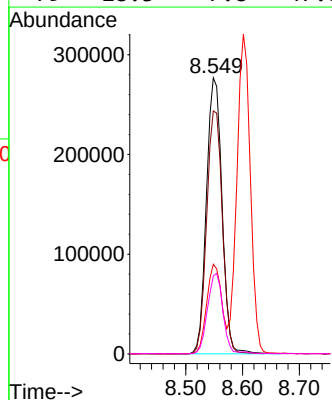
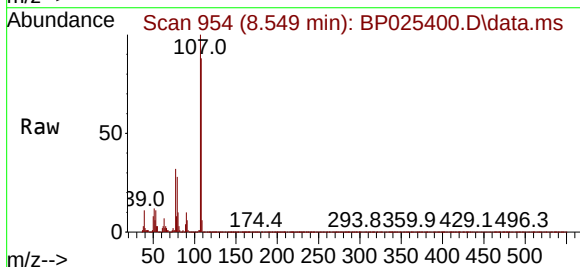
Ion	Ratio	Lower	Upper
70	100		
42	55.7	43.8	65.6
101	10.7	8.5	12.7
130	24.6	19.4	29.0

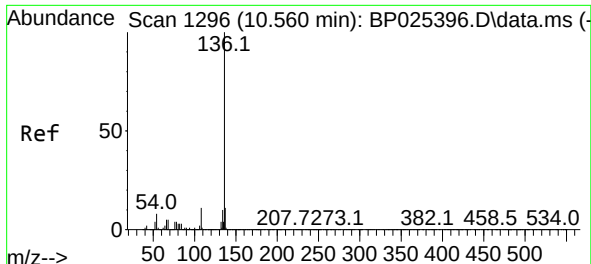


#20
3+4-Methylphenols
Concen: 38.620 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 107 Resp: 524095

Ion	Ratio	Lower	Upper
107	100		
108	88.0	66.3	106.3
77	32.5	12.3	52.3
79	28.3	7.8	47.8

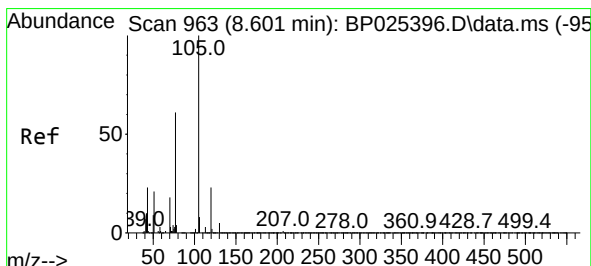
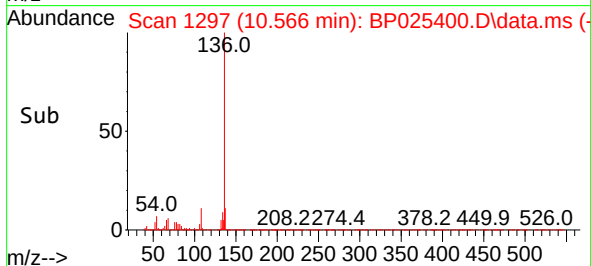
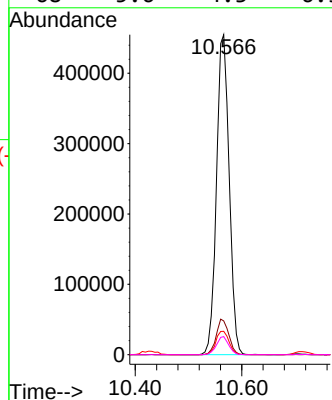
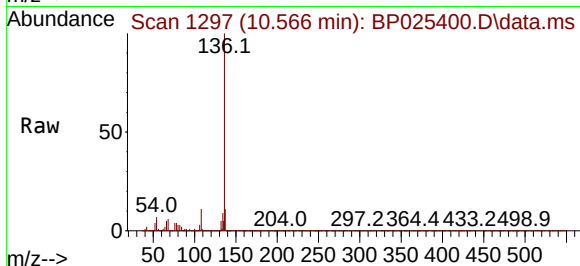




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

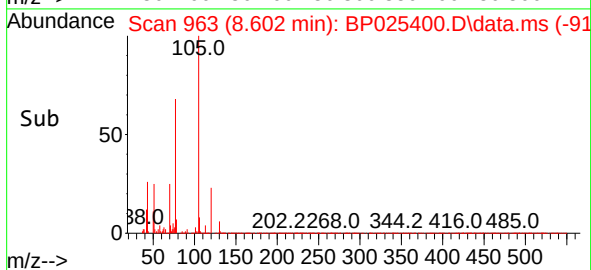
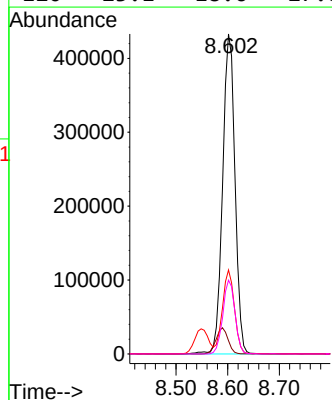
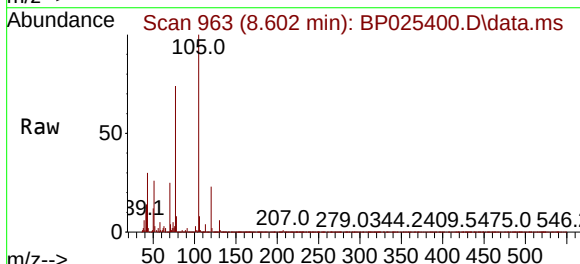
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

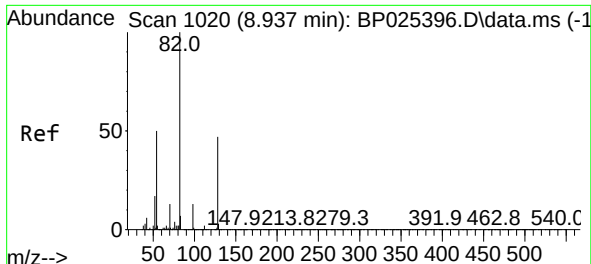
Tgt Ion:	136	Resp:	750079
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.3	6.0	9.0
68	5.6	4.3	6.5



#22
Acetophenone
Concen: 38.216 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:	105	Resp:	718869
Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	26.2	20.6	30.8
120	23.1	18.6	27.8

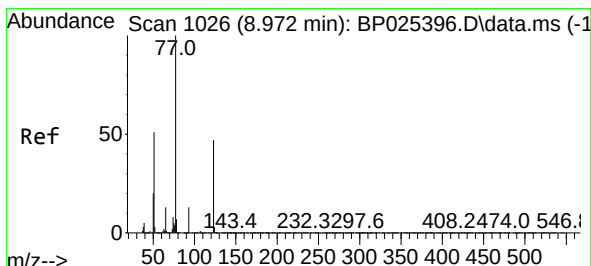
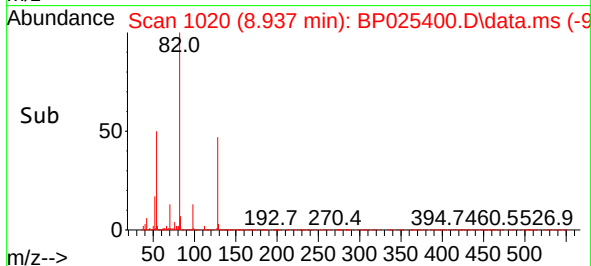
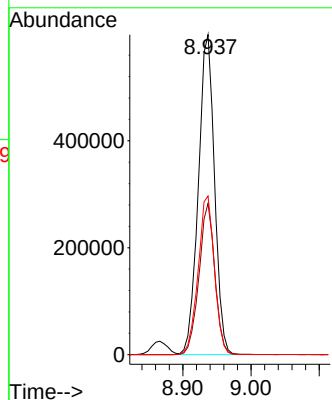
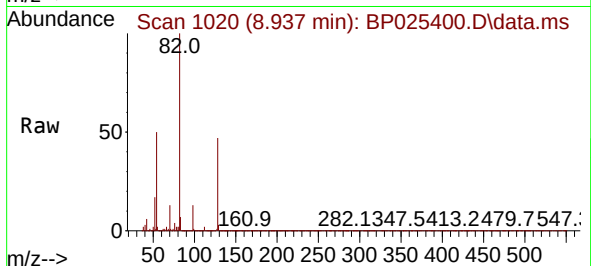




#23
Nitrobenzene-d5
Concen: 66.391 ng
RT: 8.937 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

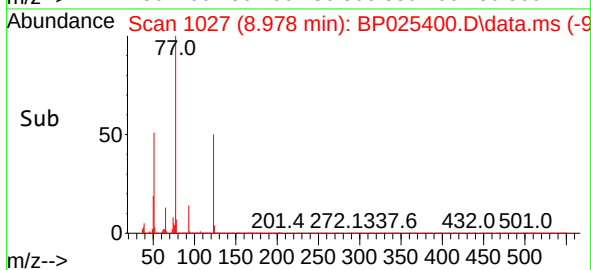
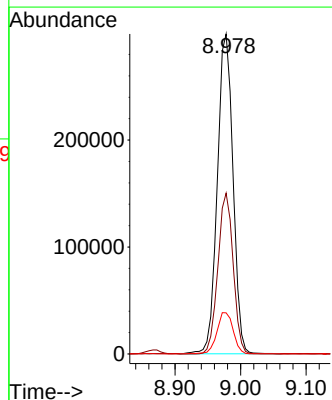
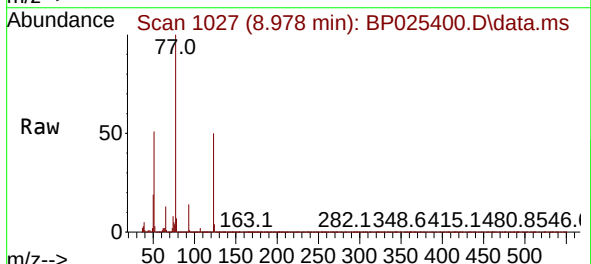
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

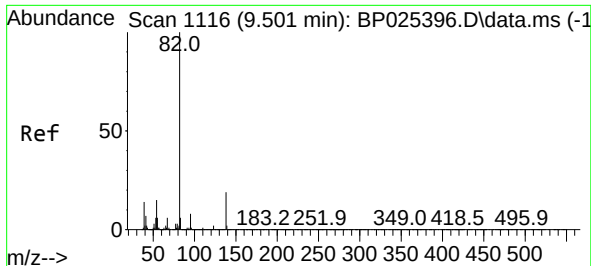
Tgt Ion:	82	Resp:	984441
Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	49.6	39.8	59.6



#24
Nitrobenzene
Concen: 37.313 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:	77	Resp:	494466
Ion	Ratio	Lower	Upper
77	100		
123	50.3	38.6	58.0
65	12.9	10.6	15.8

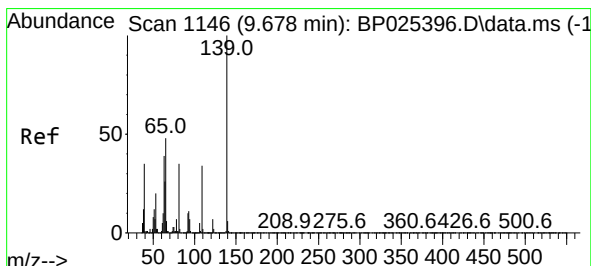
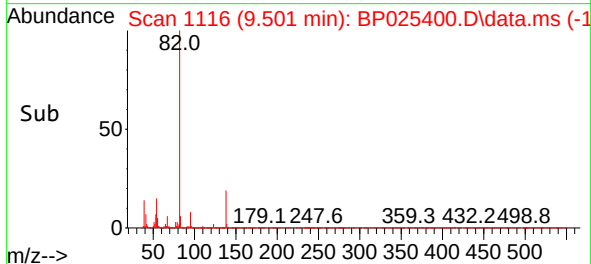
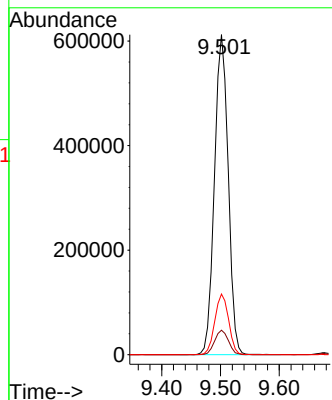
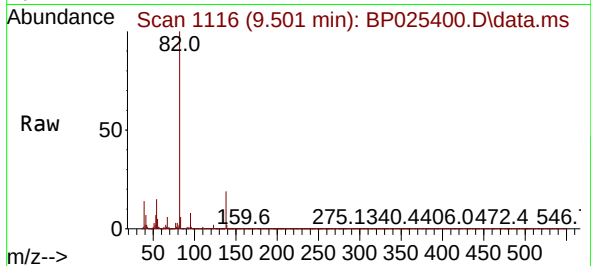




#25
Isophorone
Concen: 37.855 ng
RT: 9.501 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

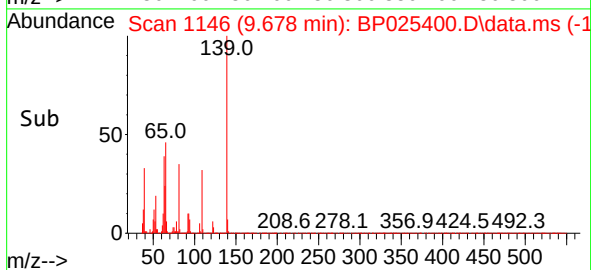
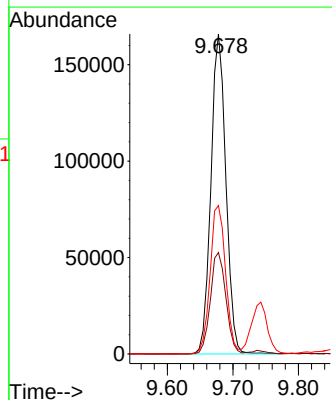
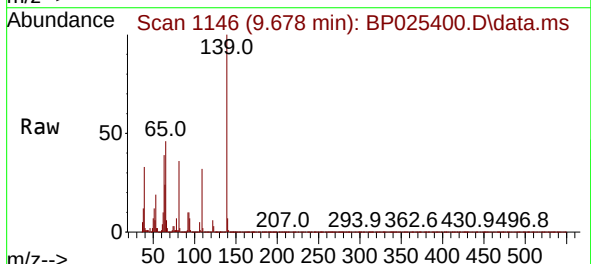
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

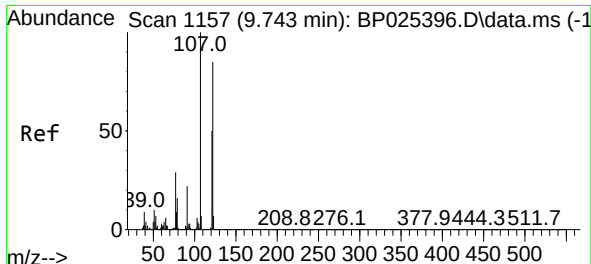
Tgt Ion:	82	Resp:	993378
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.9	15.4	23.0



#26
2-Nitrophenol
Concen: 38.722 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:	139	Resp:	263348
Ion	Ratio	Lower	Upper
139	100		
109	31.7	26.9	40.3
65	46.4	38.3	57.5

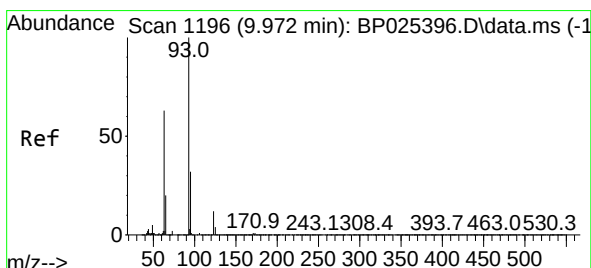
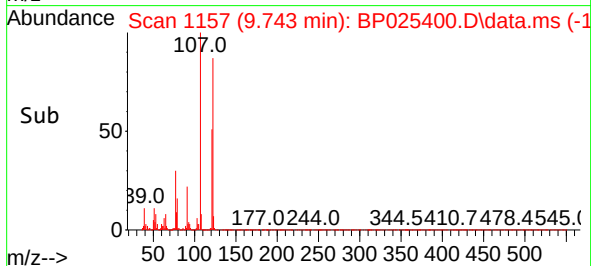
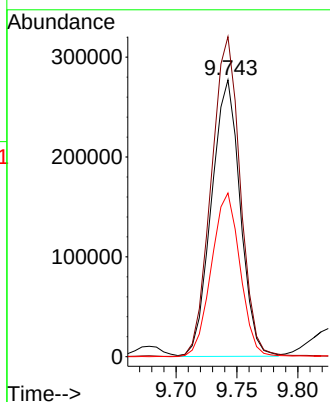
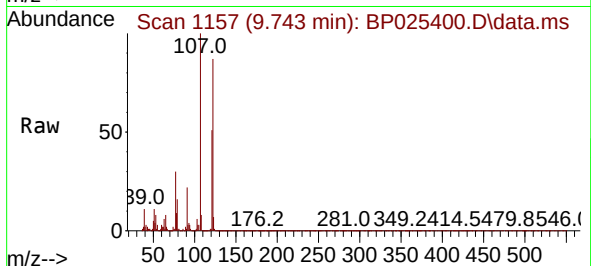




#27
2,4-Dimethylphenol
Concen: 38.910 ng
RT: 9.743 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

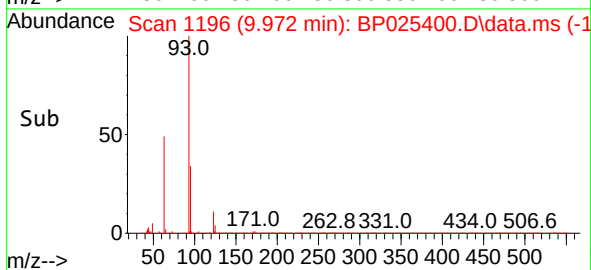
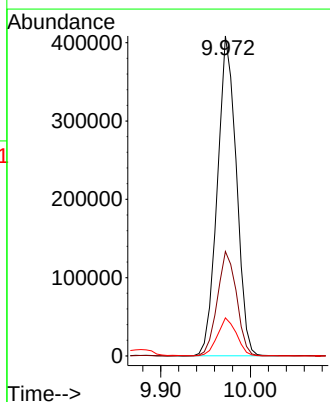
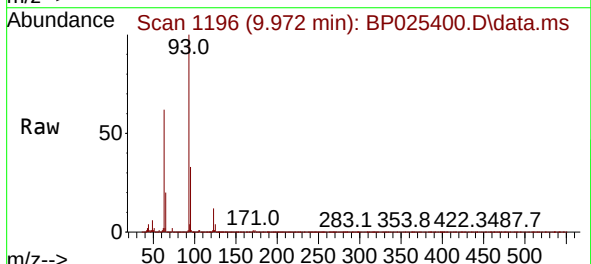
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

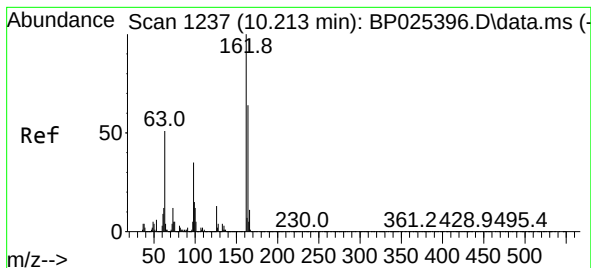
Tgt Ion:122 Resp: 455078
Ion Ratio Lower Upper
122 100
107 115.6 93.7 140.5
121 59.1 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 37.816 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 599862
Ion Ratio Lower Upper
93 100
95 32.7 25.4 38.0
123 11.9 9.4 14.0

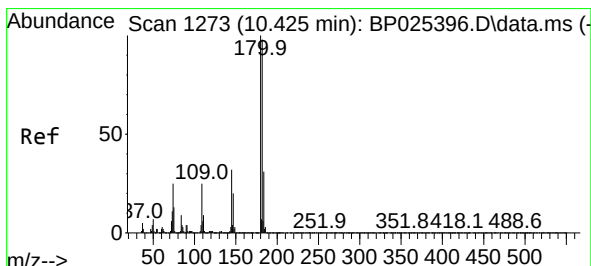
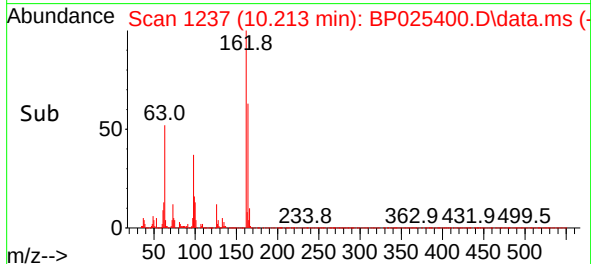
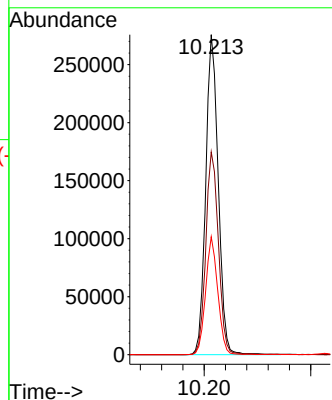
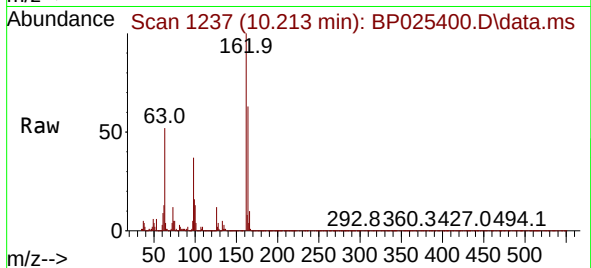




#29
2,4-Dichlorophenol
Concen: 38.649 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

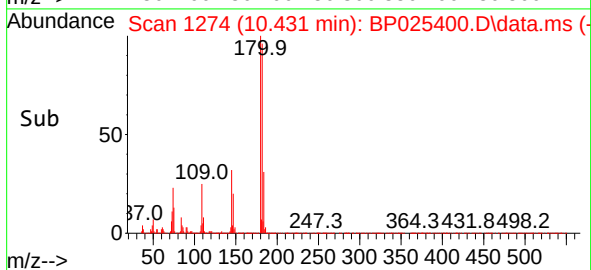
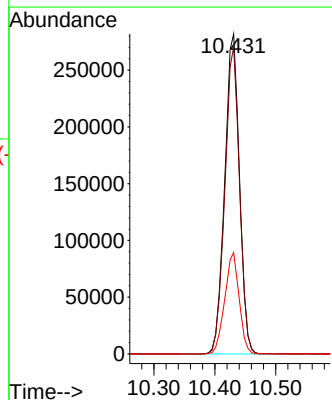
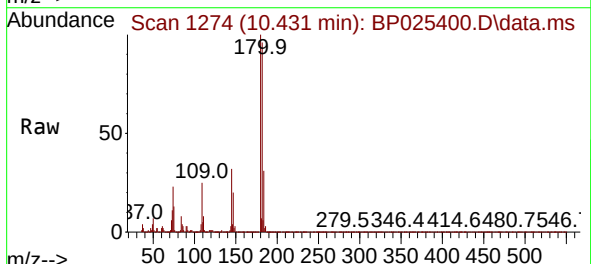
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

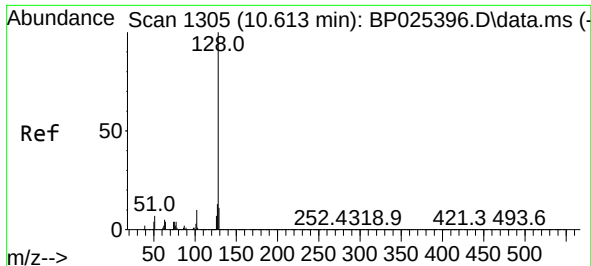
Tgt Ion:162 Resp: 449034
Ion Ratio Lower Upper
162 100
164 63.3 44.4 84.4
98 36.9 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 37.231 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:180 Resp: 474183
Ion Ratio Lower Upper
180 100
182 95.9 78.0 117.0
145 31.7 25.9 38.9

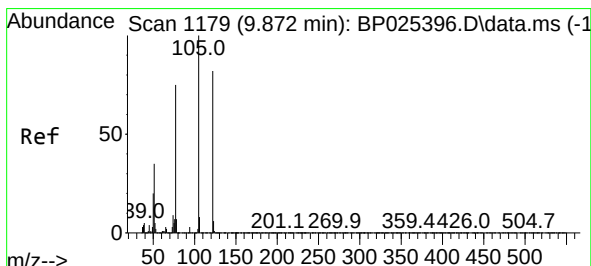
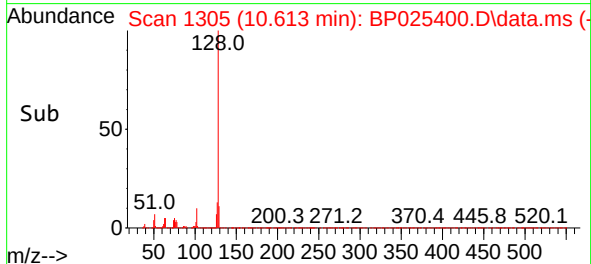
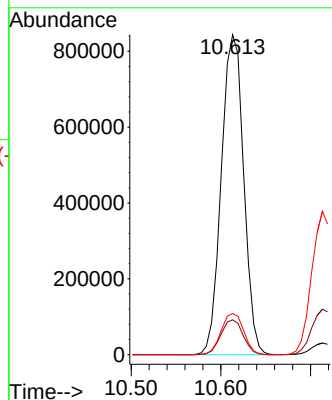
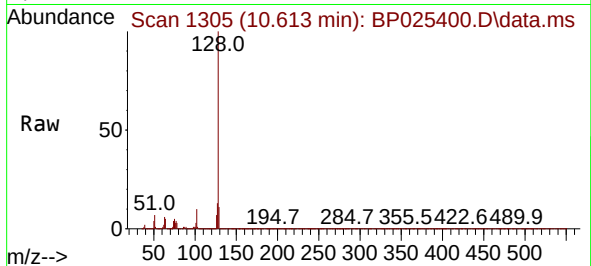




#31
Naphthalene
Concen: 37.431 ng
RT: 10.613 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

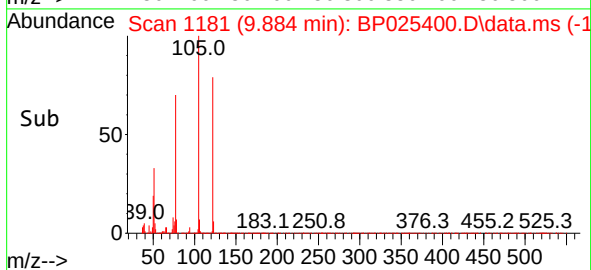
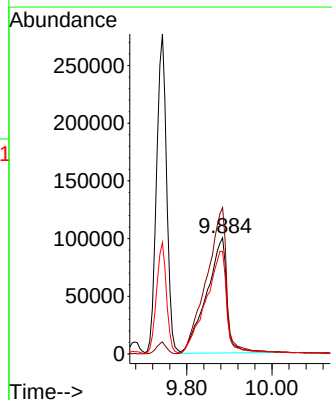
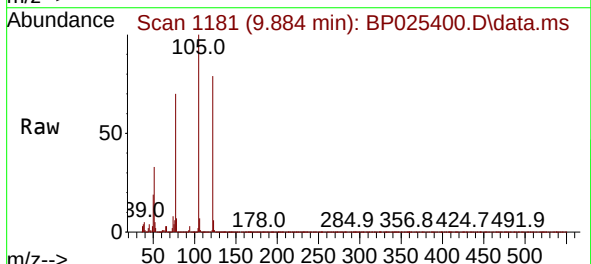
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

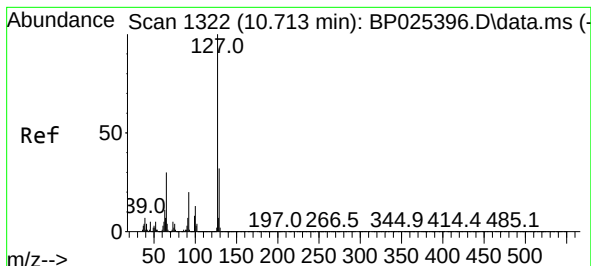
Tgt Ion:128 Resp: 1459279
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.8 10.7 16.1



#32
Benzoic acid
Concen: 38.242 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:122 Resp: 330207
Ion Ratio Lower Upper
122 100
105 126.0 100.6 140.6
77 88.0 71.5 111.5

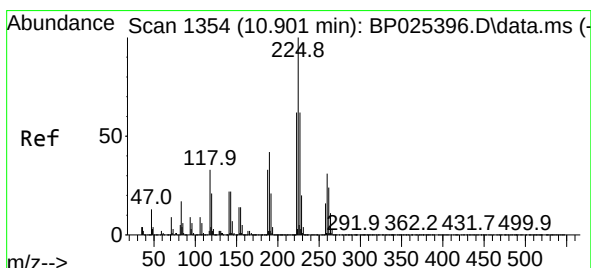
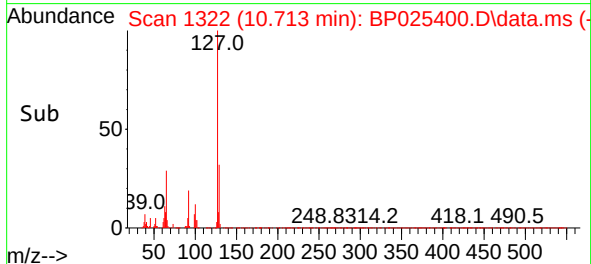
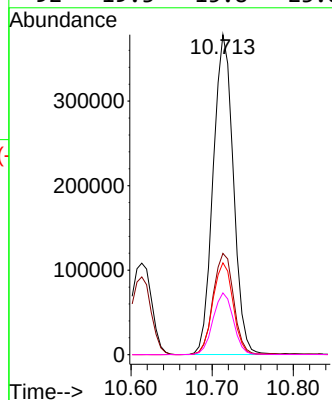
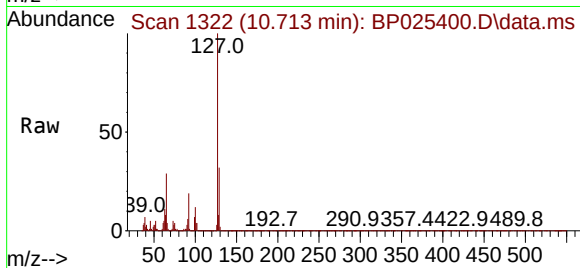




#33
4-Chloroaniline
Concen: 38.043 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

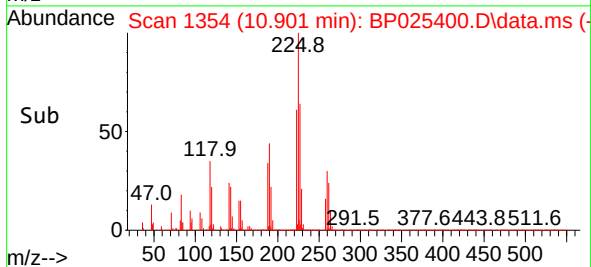
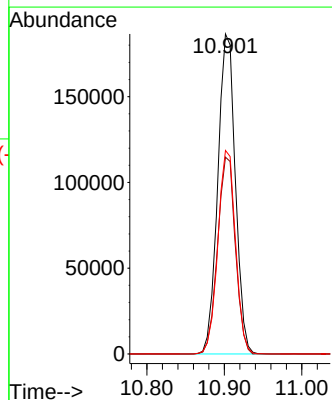
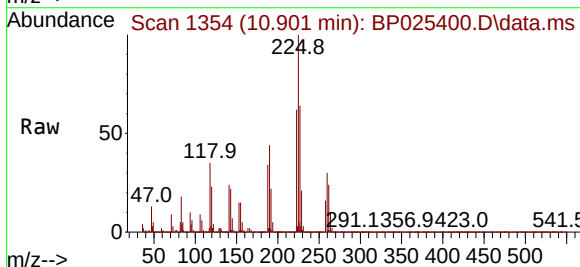
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

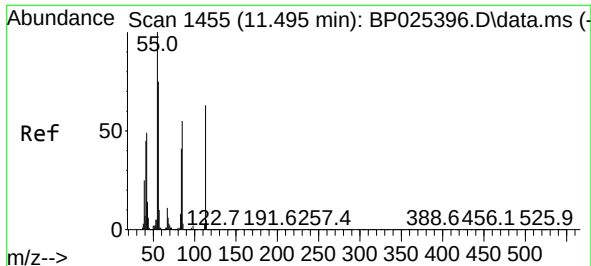
Tgt Ion:	127	Resp:	655135
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	28.7	23.8	35.6
92	19.3	15.8	23.8



#34
Hexachlorobutadiene
Concen: 37.031 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:	225	Resp:	293728
Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.0	75.0
227	63.6	49.7	74.5

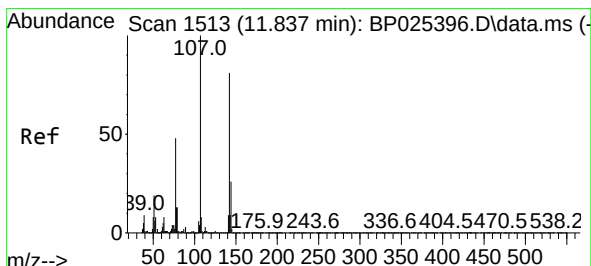
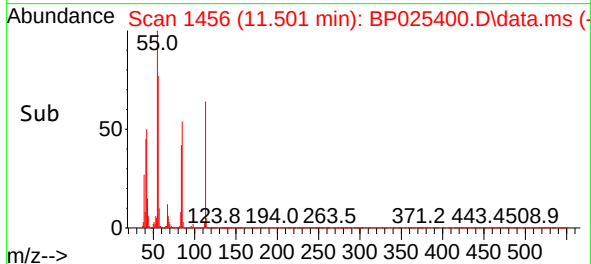
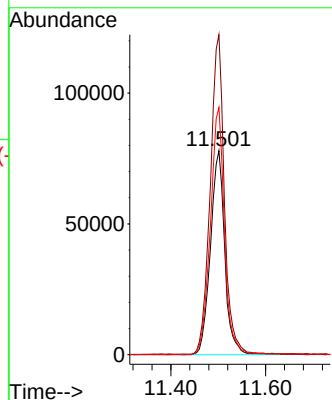
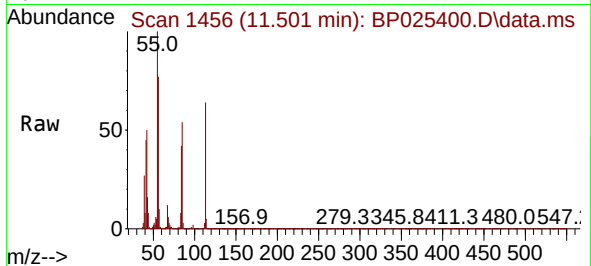




#35
Caprolactam
Concen: 38.310 ng
RT: 11.501 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

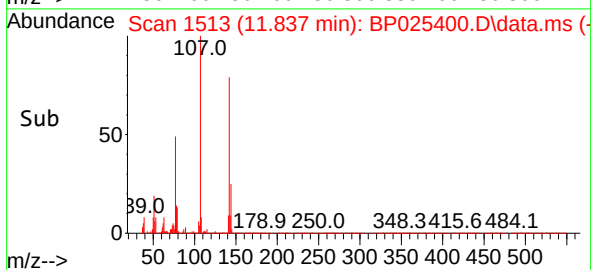
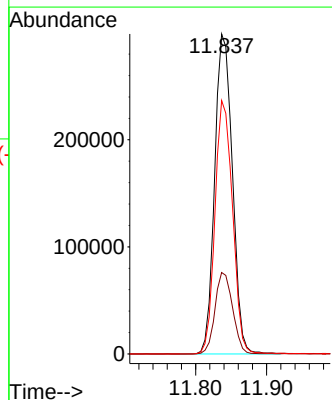
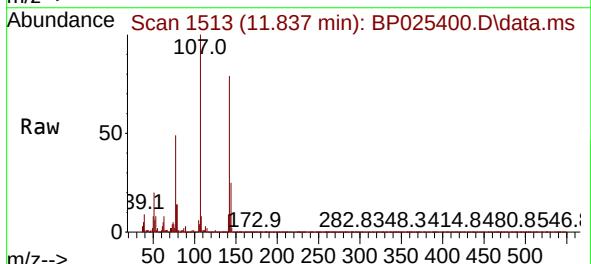
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

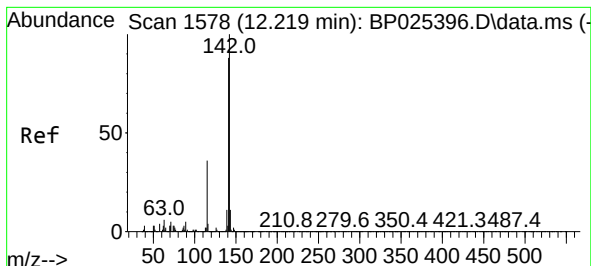
Tgt Ion:113 Resp: 163211
Ion Ratio Lower Upper
113 100
55 156.9 140.0 180.0
56 121.2 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 38.789 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 517126
Ion Ratio Lower Upper
107 100
144 25.4 21.0 31.4
142 79.2 64.6 97.0

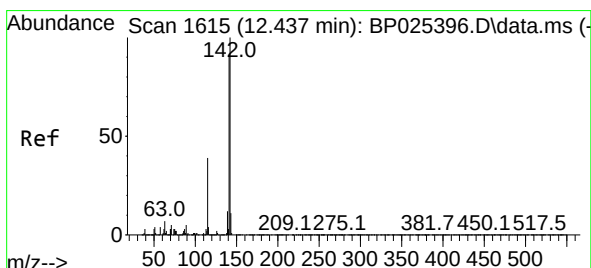
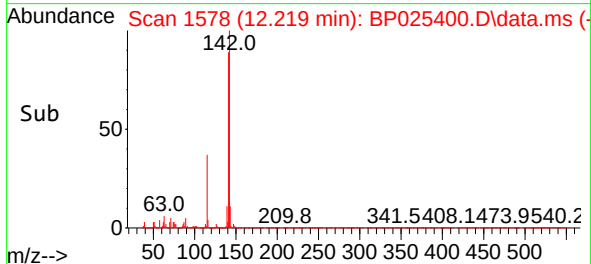
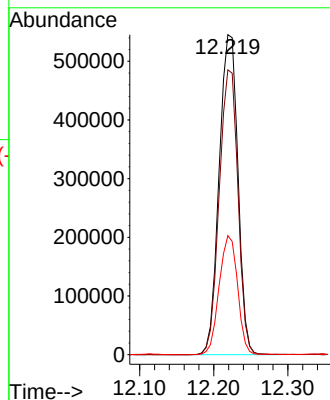
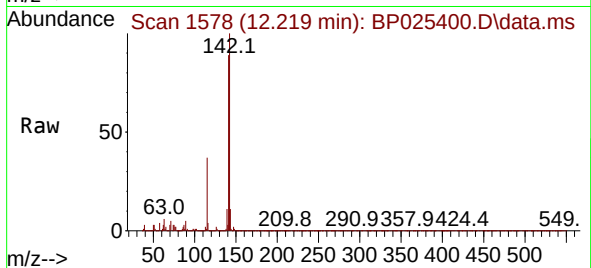




#37
2-Methylnaphthalene
Concen: 37.845 ng
RT: 12.219 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

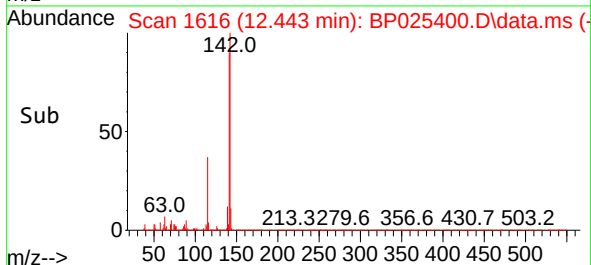
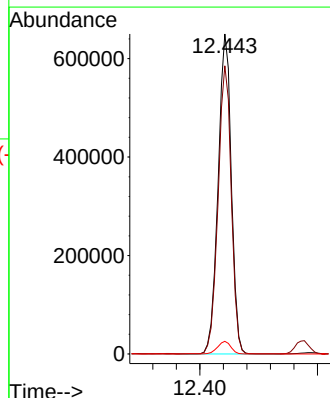
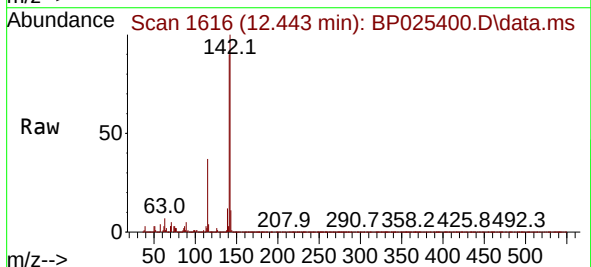
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

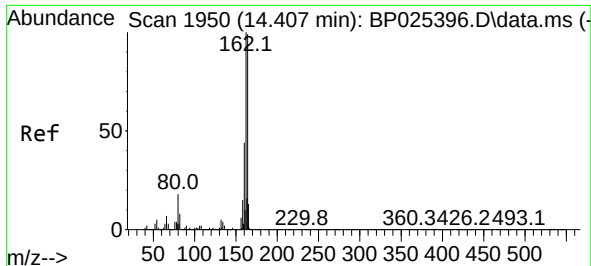
Tgt Ion:142 Resp: 960146
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 37.2 28.9 43.3



#38
1-Methylnaphthalene
Concen: 37.539 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:142 Resp: 1012844
Ion Ratio Lower Upper
142 100
141 90.0 73.1 109.7
116 3.9 3.2 4.8

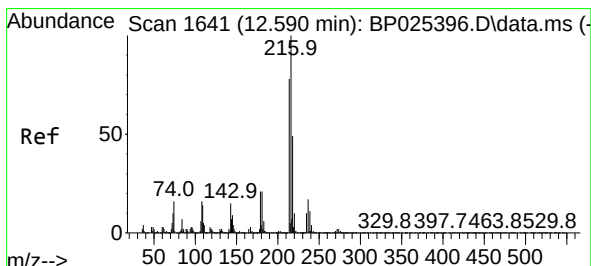
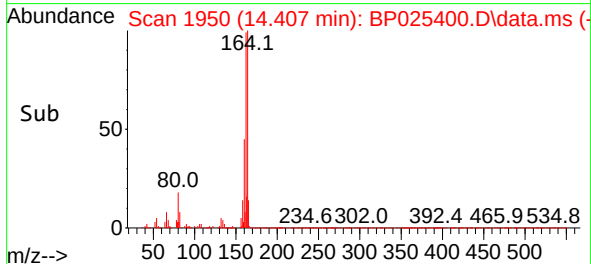
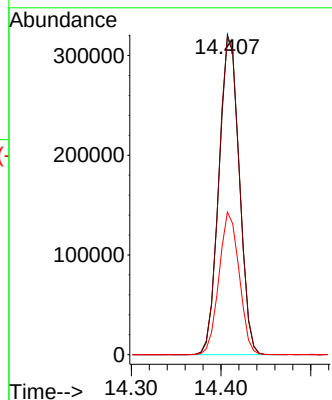
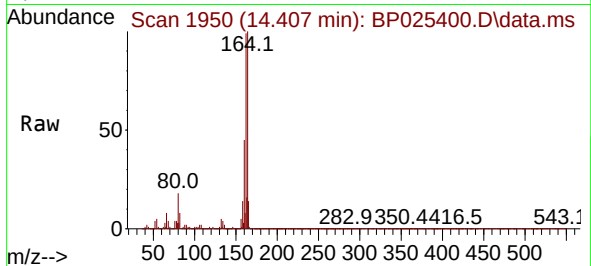




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

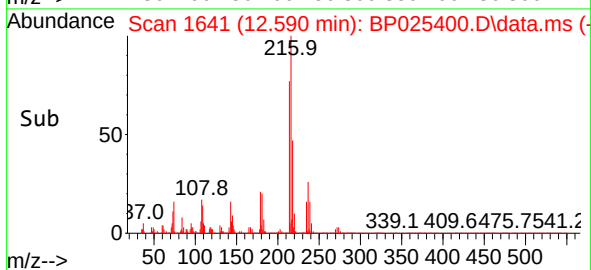
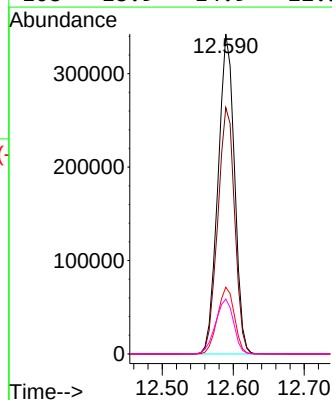
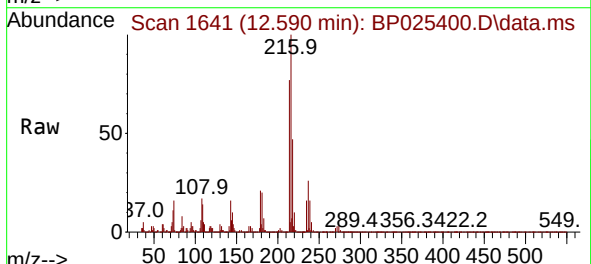
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

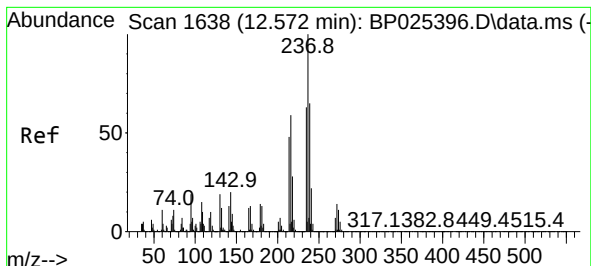
Tgt Ion:164 Resp: 503239
Ion Ratio Lower Upper
164 100
162 99.1 81.0 121.6
160 44.5 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.895 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:216 Resp: 550777
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.4
179 21.4 17.1 25.7
108 18.9 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 40.074 ng

RT: 12.572 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

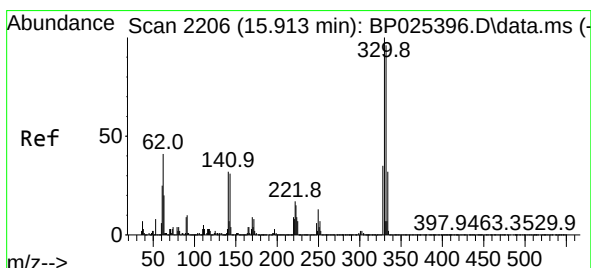
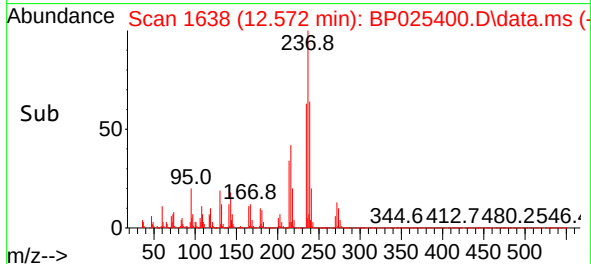
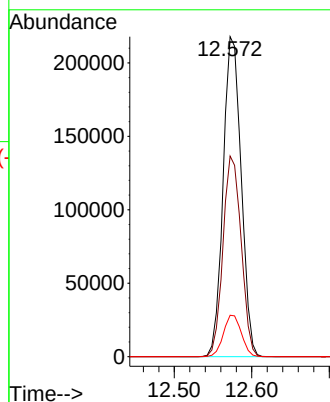
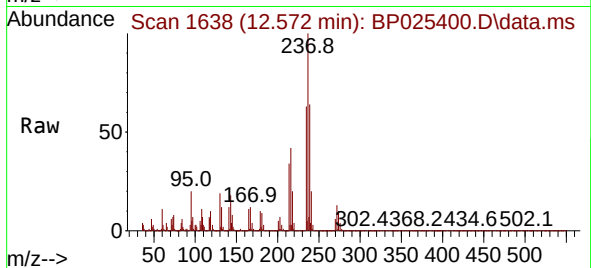
Tgt Ion:237 Resp: 351819

Ion Ratio Lower Upper

237 100

235 62.7 42.7 82.7

272 13.0 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 71.582 ng

RT: 15.919 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

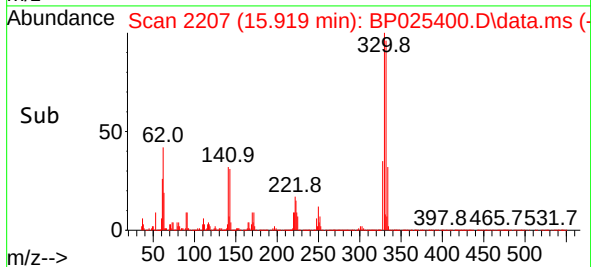
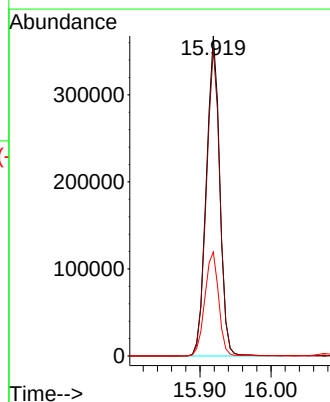
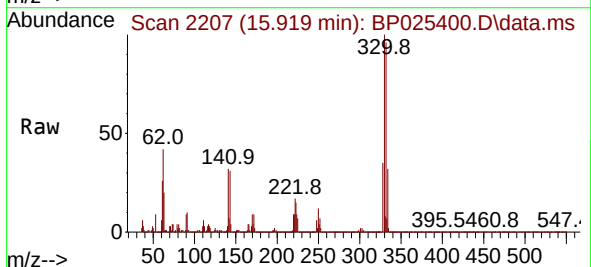
Tgt Ion:330 Resp: 484870

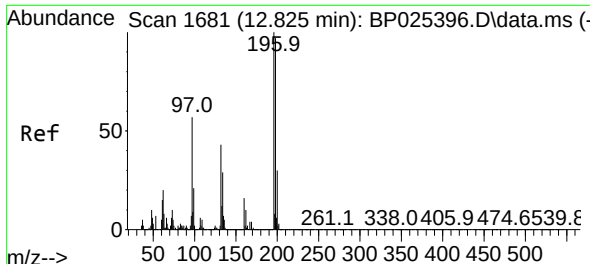
Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

141 33.4 26.6 39.8

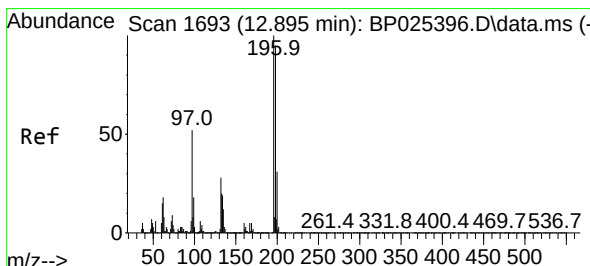
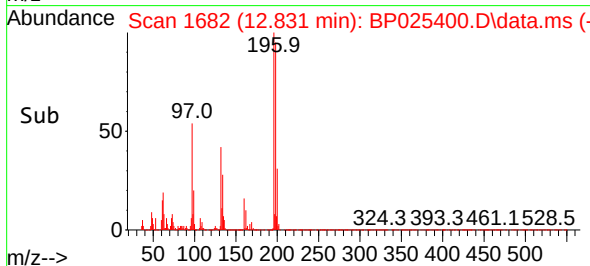
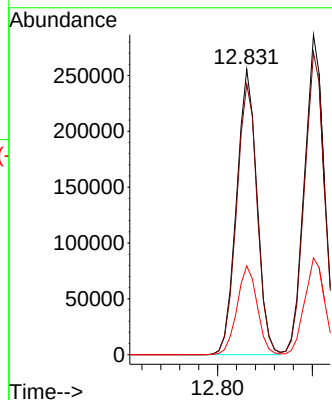
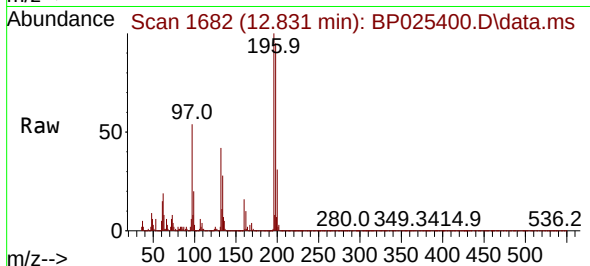




#43
2,4,6-Trichlorophenol
Concen: 38.972 ng
RT: 12.831 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

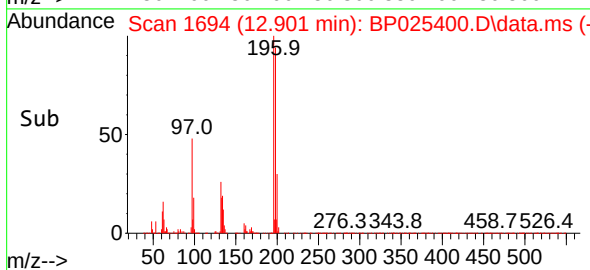
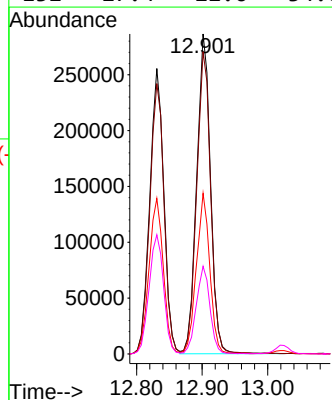
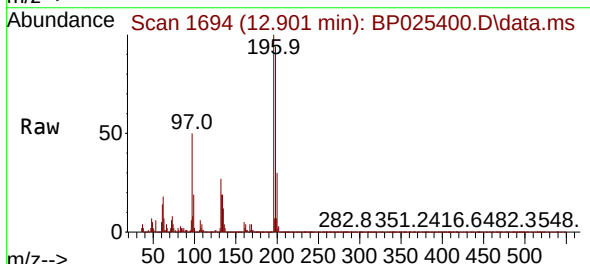
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

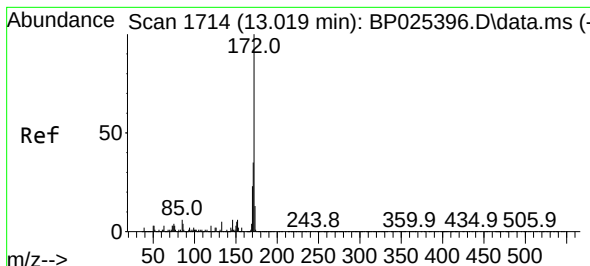
Tgt Ion:196 Resp: 382393
Ion Ratio Lower Upper
196 100
198 94.8 77.2 115.8
200 31.1 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 39.108 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:196 Resp: 420565
Ion Ratio Lower Upper
196 100
198 94.5 76.2 114.2
97 50.2 41.2 61.8
132 27.4 22.6 34.0

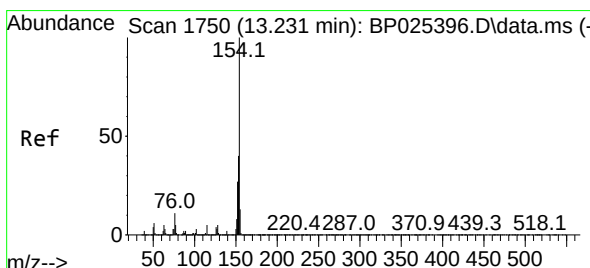
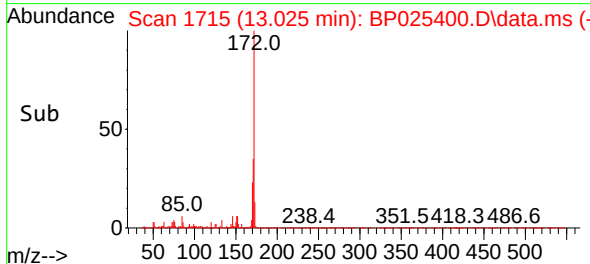
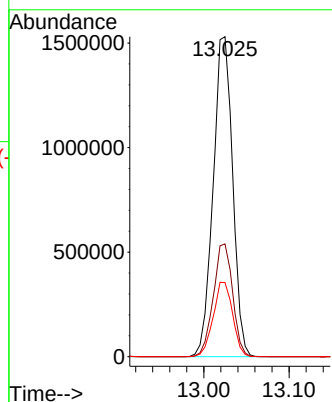
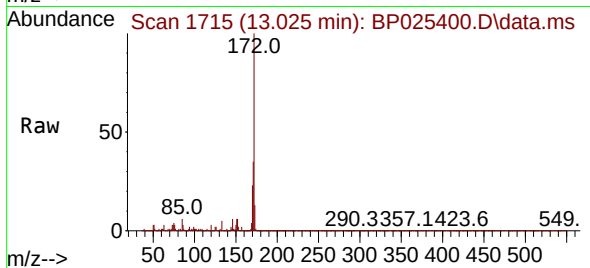




#45
2-Fluorobiphenyl
Concen: 66.016 ng
RT: 13.025 min Scan# 1715
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

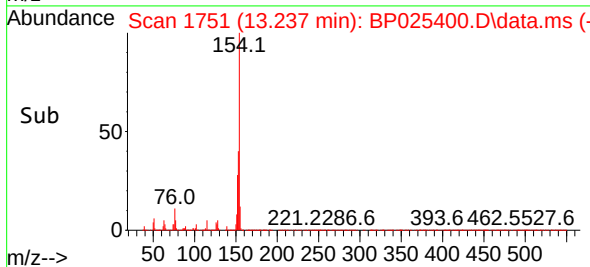
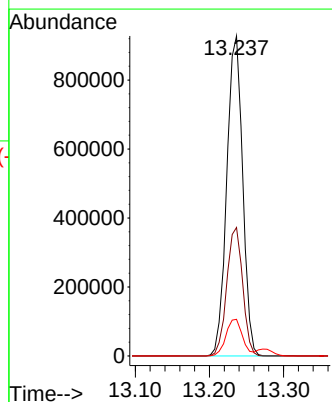
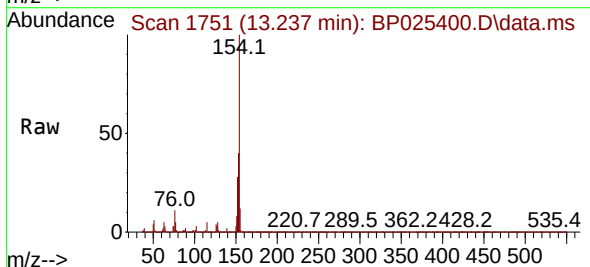
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

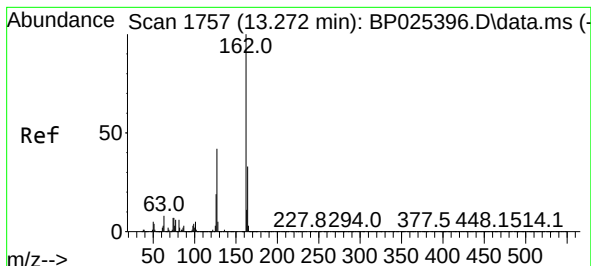
Tgt Ion:172 Resp: 2430828
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.1 18.6 28.0



#46
1,1'-Biphenyl
Concen: 37.672 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:154 Resp: 1376834
Ion Ratio Lower Upper
154 100
153 40.2 19.5 59.5
76 11.4 0.0 31.1

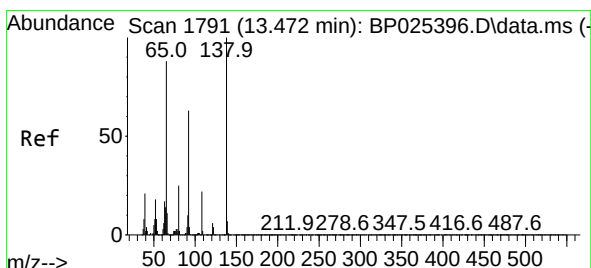
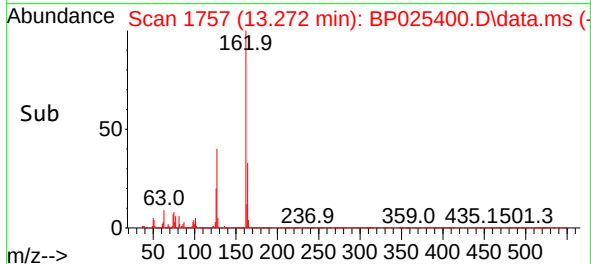
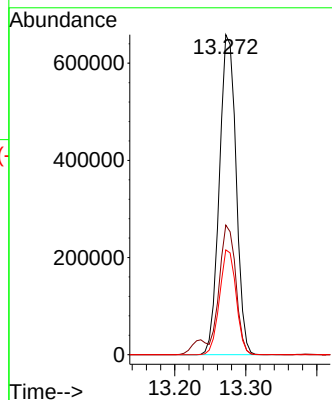
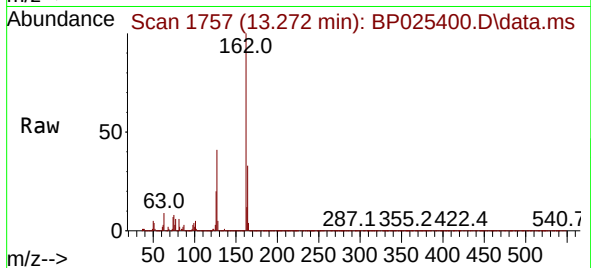




#47
2-Chloronaphthalene
Concen: 37.682 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

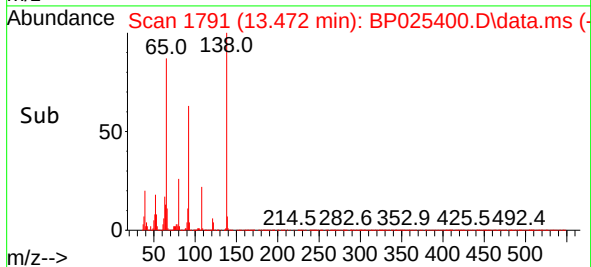
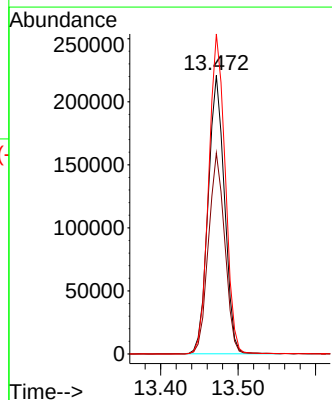
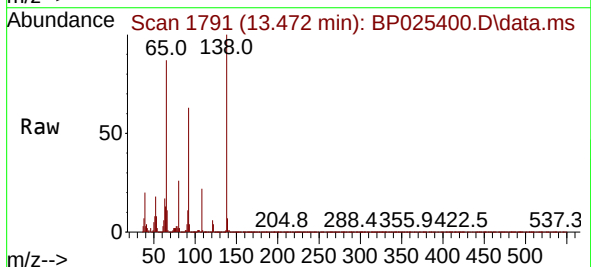
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

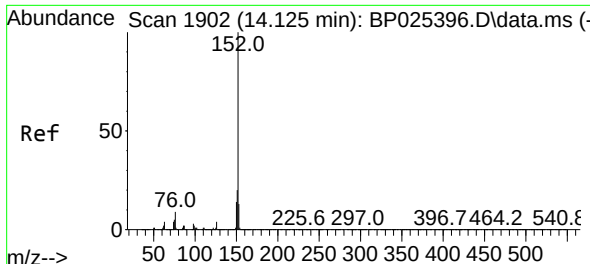
Tgt Ion:162 Resp: 1072147
Ion Ratio Lower Upper
162 100
127 40.5 33.4 50.2
164 32.8 26.2 39.2



#48
2-Nitroaniline
Concen: 39.081 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 65 Resp: 323995
Ion Ratio Lower Upper
65 100
92 72.2 57.6 86.4
138 114.9 91.0 136.6

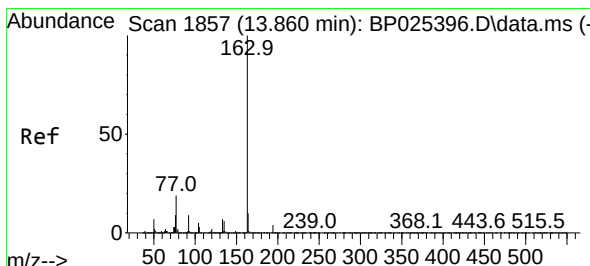
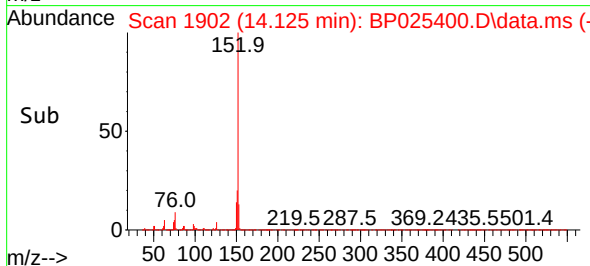
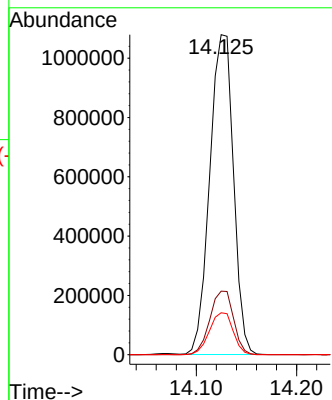
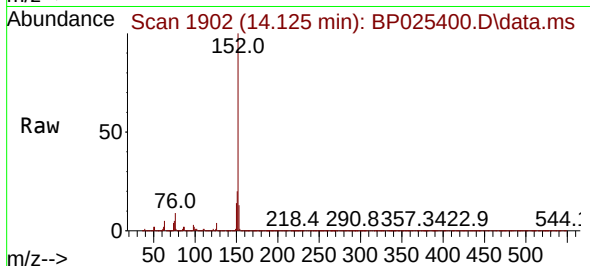




#49
Acenaphthylene
Concen: 37.720 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

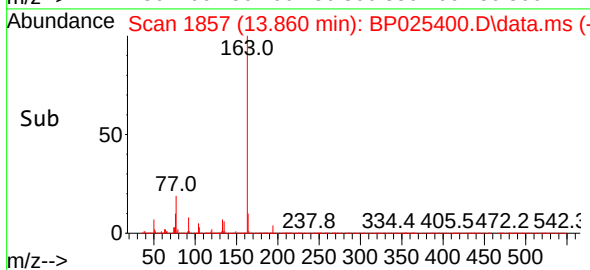
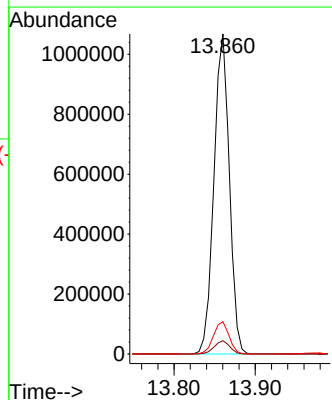
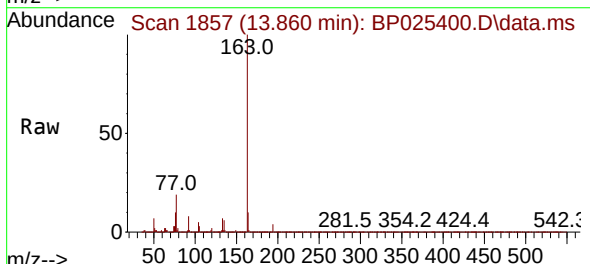
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

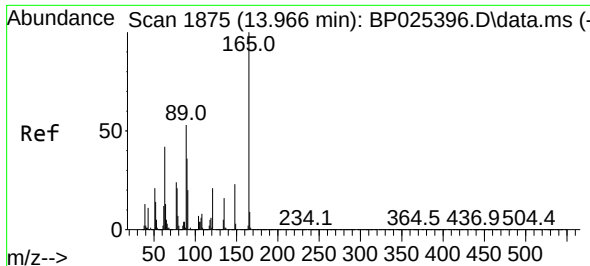
Tgt Ion:152 Resp: 1775899
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 38.170 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:163 Resp: 1406620
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.1 7.9 11.9

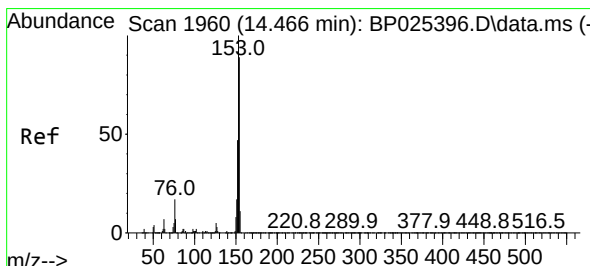
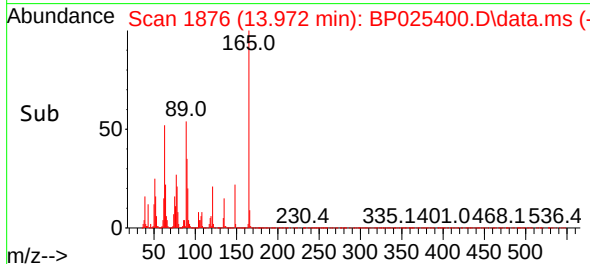
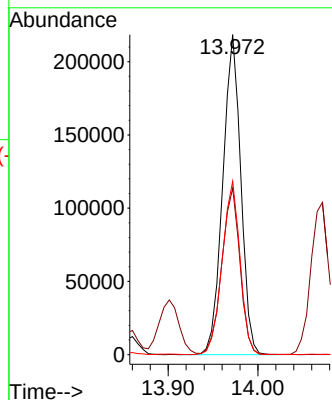
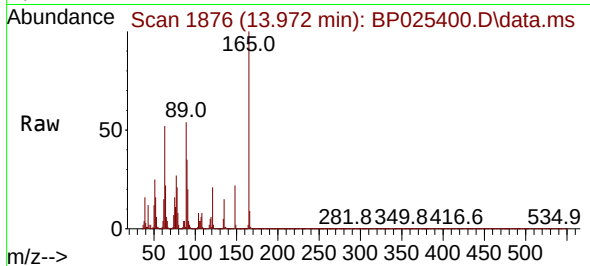




#51
2,6-Dinitrotoluene
Concen: 39.211 ng
RT: 13.972 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

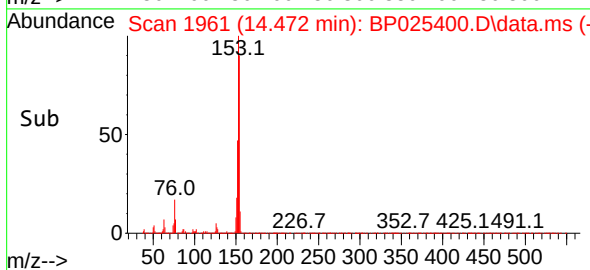
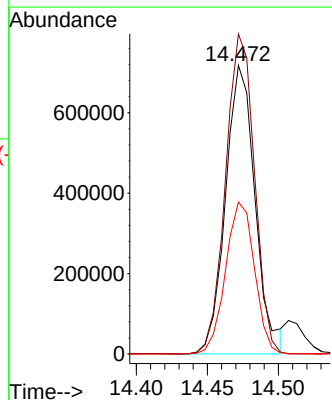
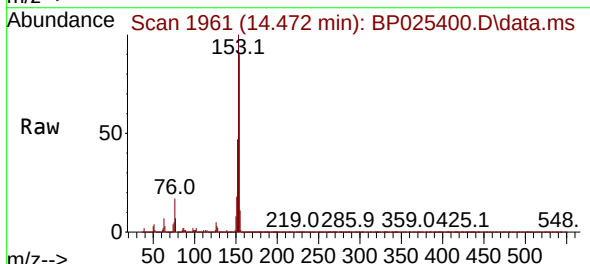
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

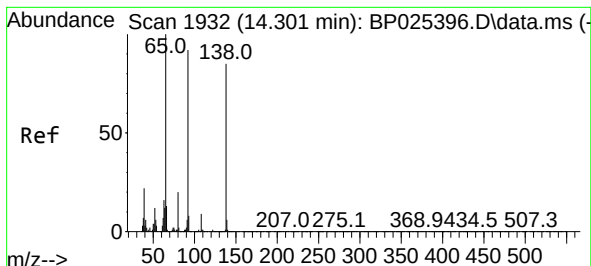
Tgt Ion:165 Resp: 304562
Ion Ratio Lower Upper
165 100
63 52.1 40.9 61.3
89 54.2 42.1 63.1



#52
Acenaphthene
Concen: 37.603 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:154 Resp: 1039167
Ion Ratio Lower Upper
154 100
153 110.9 90.2 135.2
152 52.6 42.1 63.1

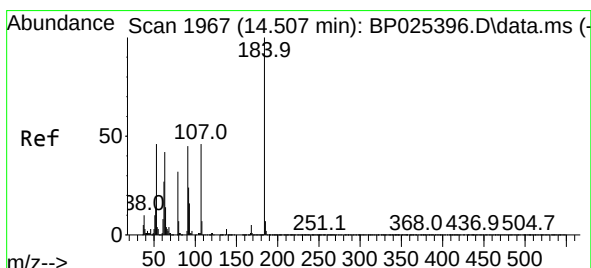
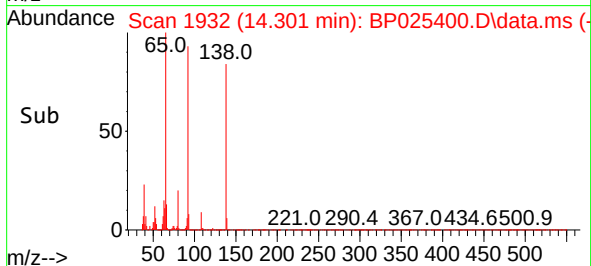
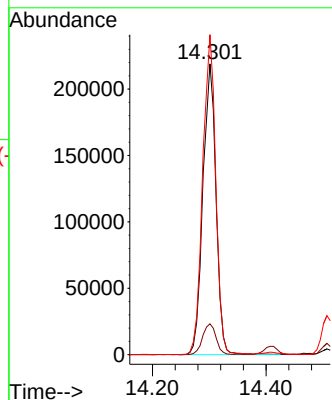
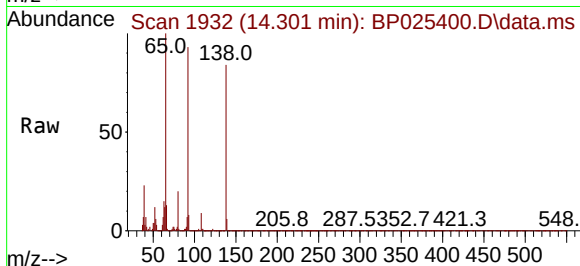




#53
3-Nitroaniline
Concen: 40.027 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

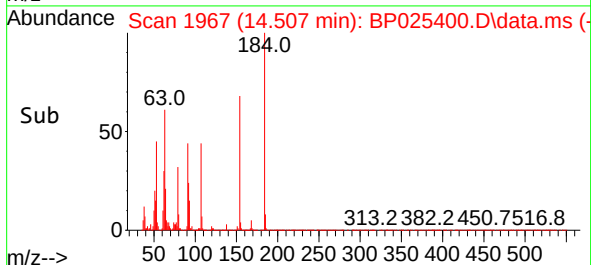
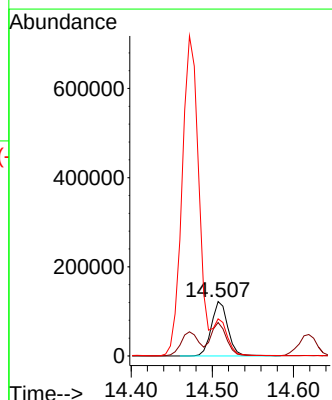
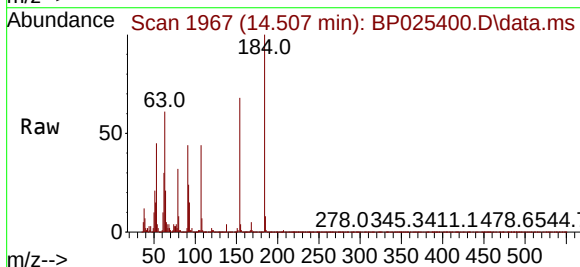
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

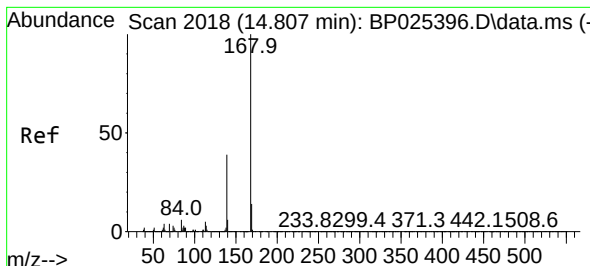
Tgt Ion:138 Resp: 349791
Ion Ratio Lower Upper
138 100
108 10.6 8.3 12.5
92 110.0 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 41.646 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:184 Resp: 172743
Ion Ratio Lower Upper
184 100
63 61.3 49.4 74.2
154 68.1 54.6 82.0





#55

Dibenzofuran

Concen: 37.324 ng

RT: 14.813 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

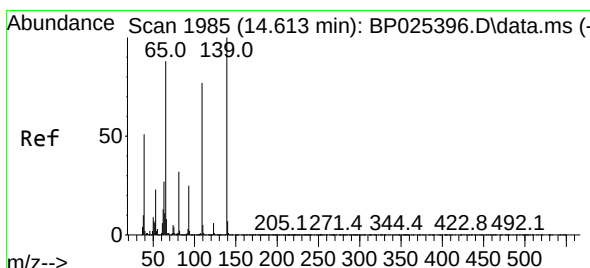
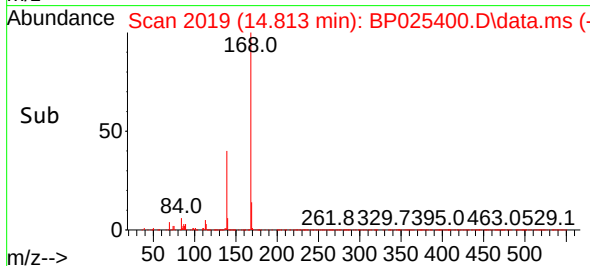
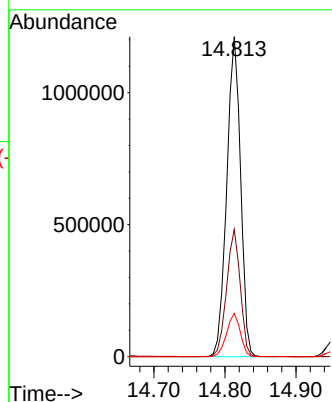
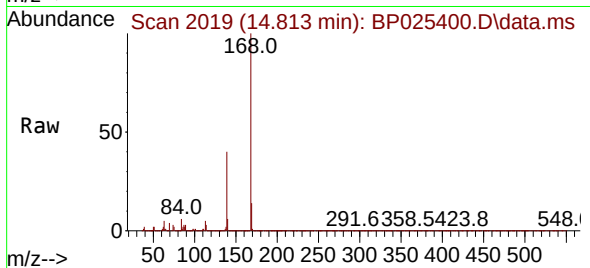
Tgt Ion:168 Resp: 1630744

Ion Ratio Lower Upper

168 100

139 39.8 31.5 47.3

169 13.5 10.9 16.3



#56

4-Nitrophenol

Concen: 39.630 ng

RT: 14.619 min Scan# 1986

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

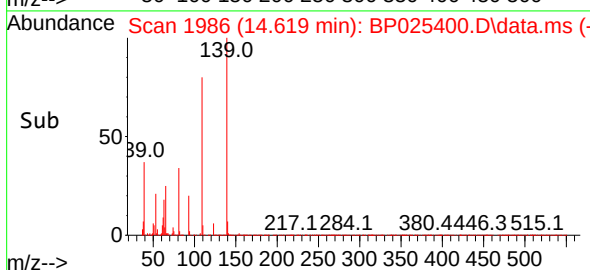
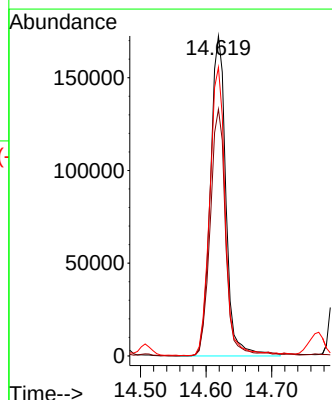
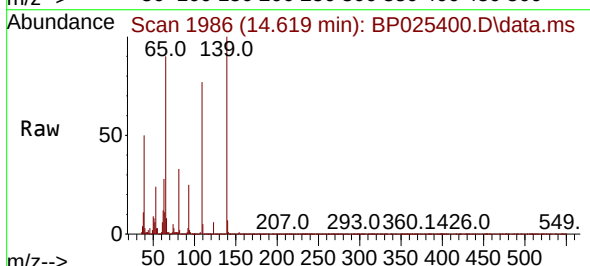
Tgt Ion:139 Resp: 284585

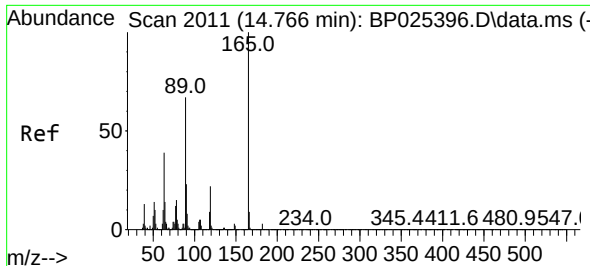
Ion Ratio Lower Upper

139 100

109 77.1 56.6 96.6

65 90.2 68.2 108.2

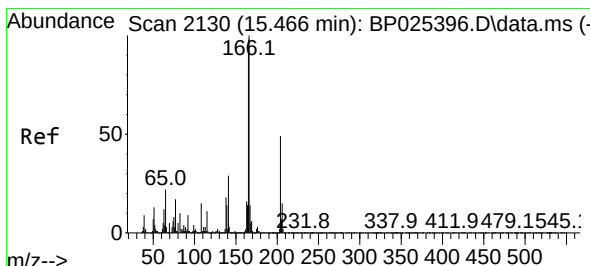
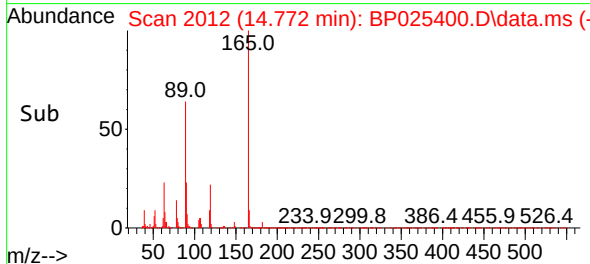
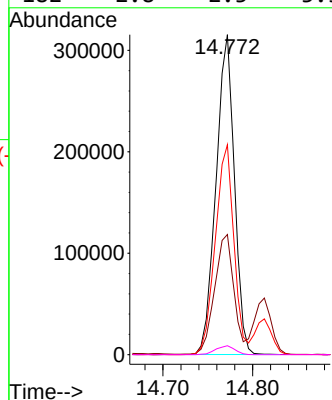
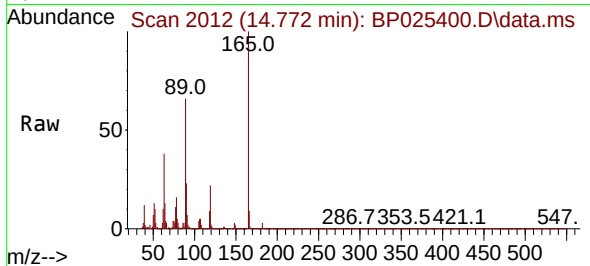




#57
2,4-Dinitrotoluene
Concen: 40.439 ng
RT: 14.772 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

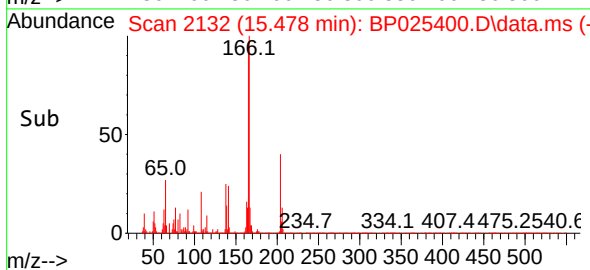
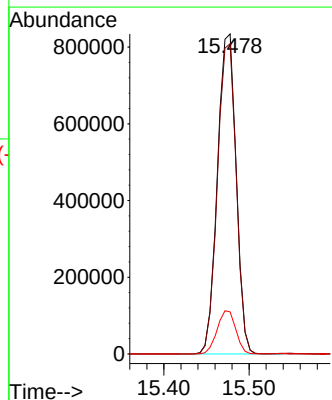
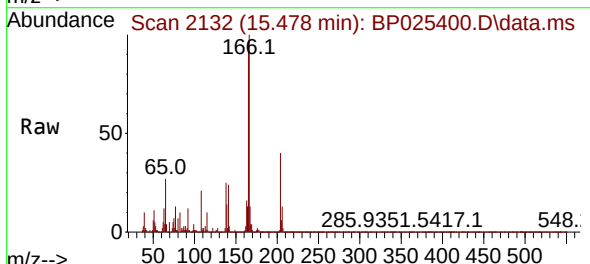
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

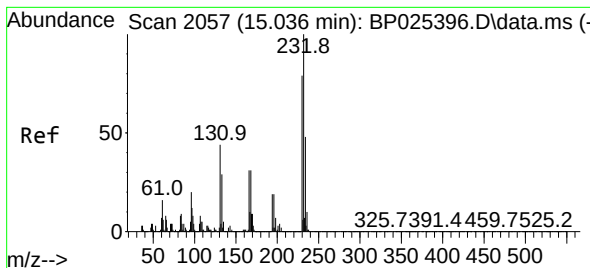
Tgt Ion:165 Resp: 448143
Ion Ratio Lower Upper
165 100
63 37.5 31.4 47.2
89 65.6 53.3 79.9
182 2.8 2.3 3.5



#58
Fluorene
Concen: 36.992 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:166 Resp: 1275341
Ion Ratio Lower Upper
166 100
165 97.0 78.8 118.2
167 13.2 11.0 16.4



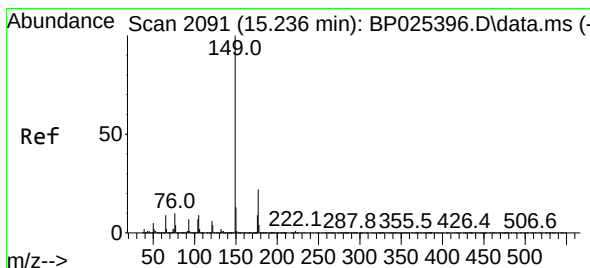
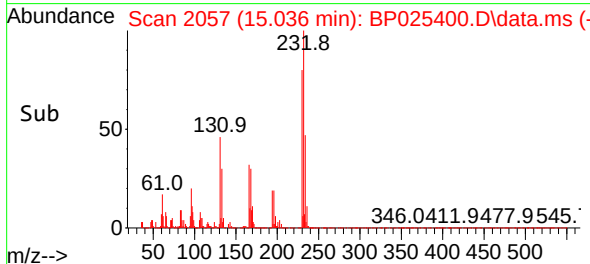
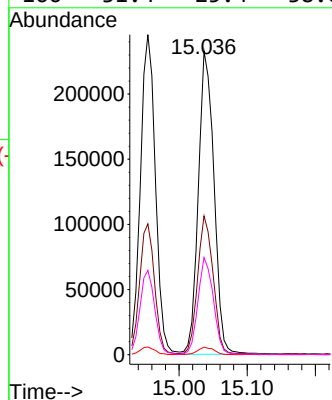
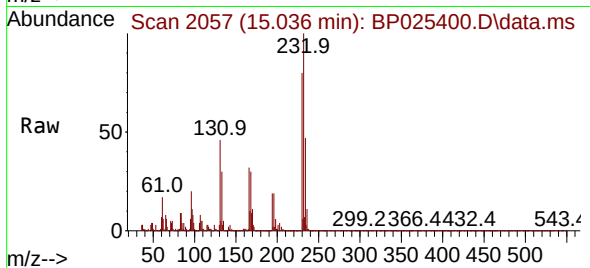


#59
2,3,4,6-Tetrachlorophenol
Concen: 39.147 ng
RT: 15.036 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:232 Resp: 371715

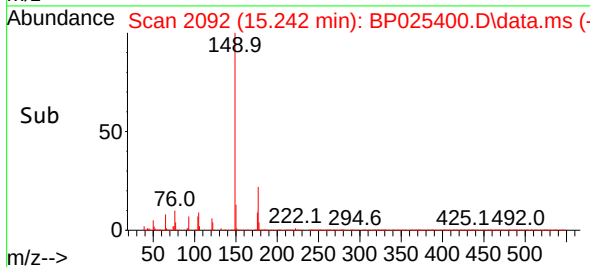
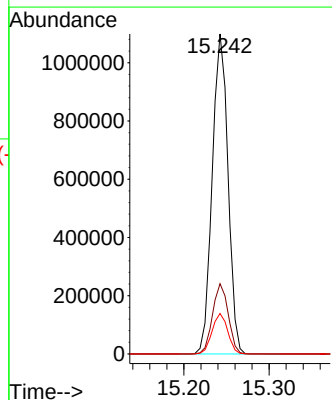
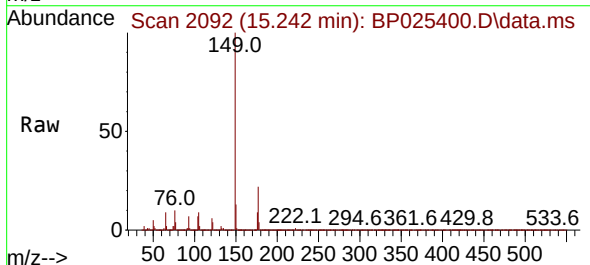
Ion	Ratio	Lower	Upper
232	100		
131	45.3	37.0	55.6
130	2.6	1.9	2.9
166	31.4	25.4	38.0

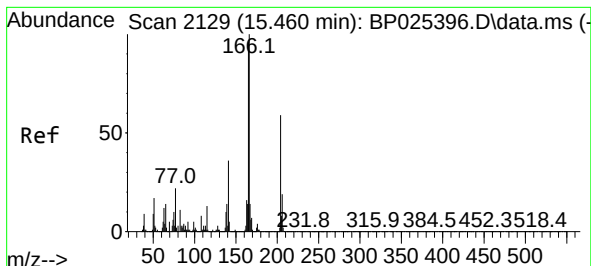


#60
Diethylphthalate
Concen: 37.810 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1415787

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.3	25.9
150	12.7	10.3	15.5

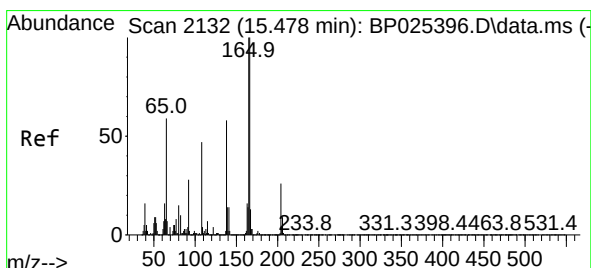
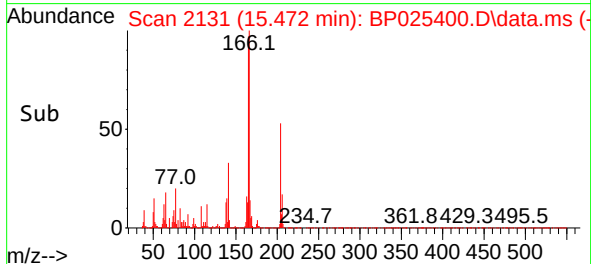
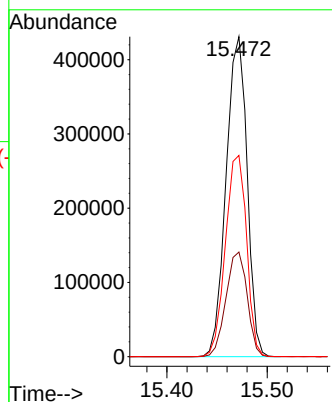
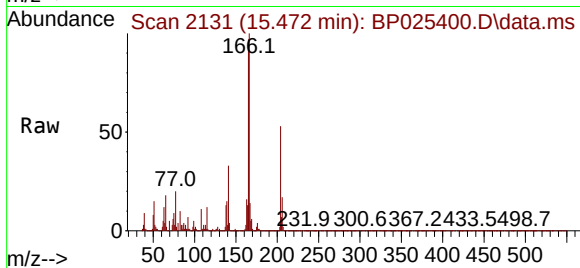




#61
4-Chlorophenyl-phenylether
Concen: 36.596 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

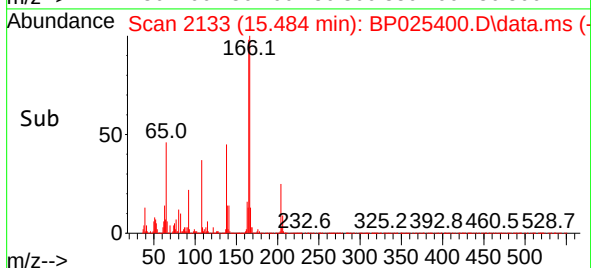
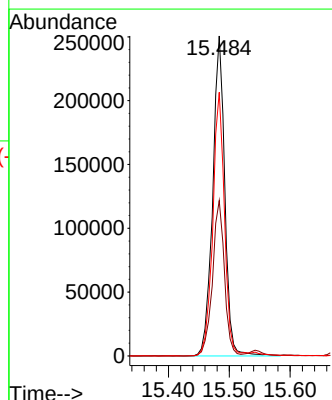
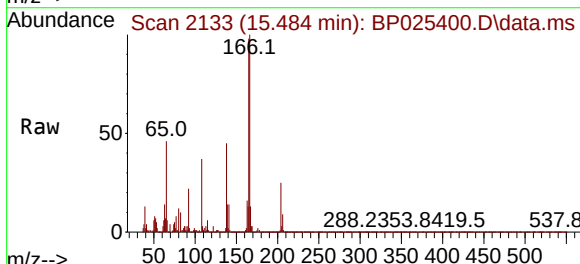
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

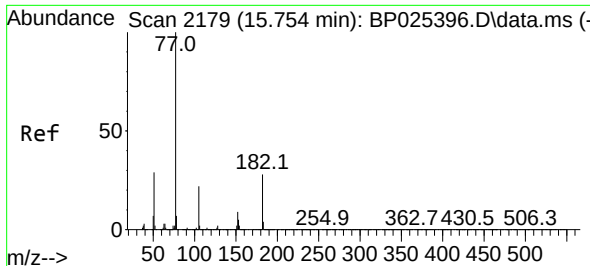
Tgt Ion:204 Resp: 627477
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.8
141 62.9 49.4 74.2



#62
4-Nitroaniline
Concen: 38.717 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:138 Resp: 346865
Ion Ratio Lower Upper
138 100
92 48.5 29.1 69.1
108 82.4 61.5 101.5



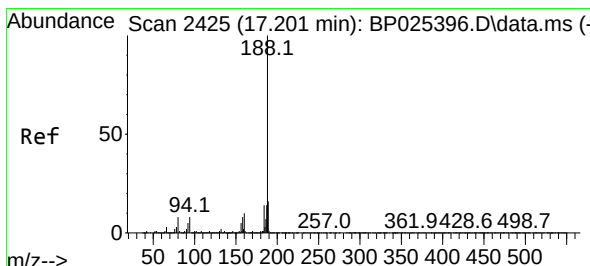
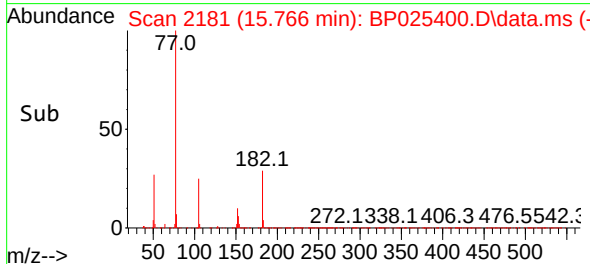
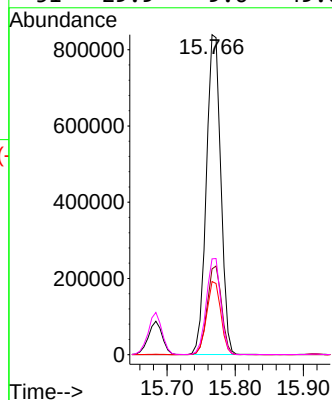
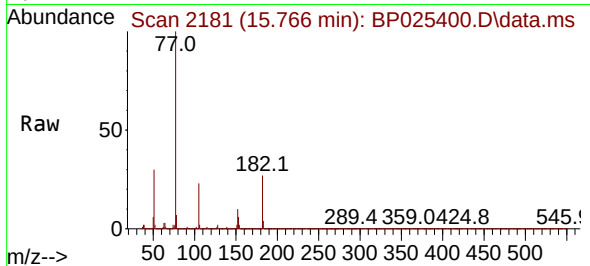


#63
Azobenzene
Concen: 38.526 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 77 Resp: 1235242

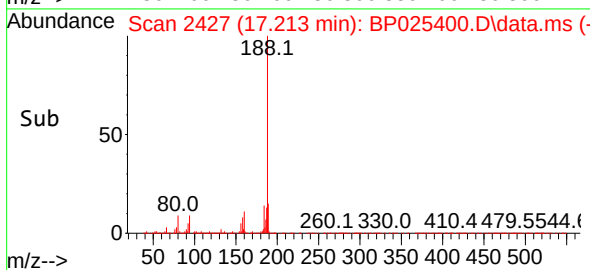
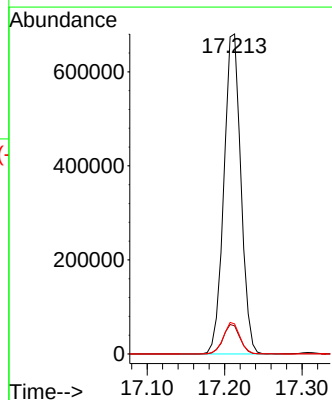
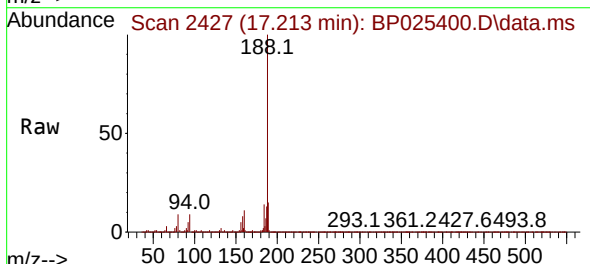
Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.5	47.5
105	22.8	2.1	42.1
51	29.9	9.6	49.6

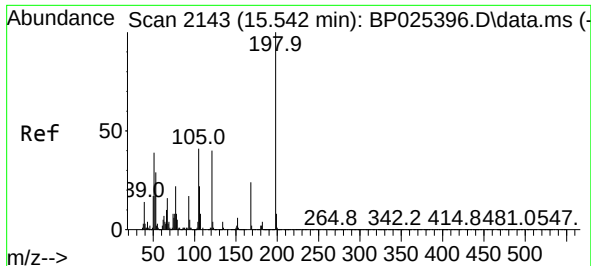


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 188 Resp: 1034378

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.4	6.7	10.1

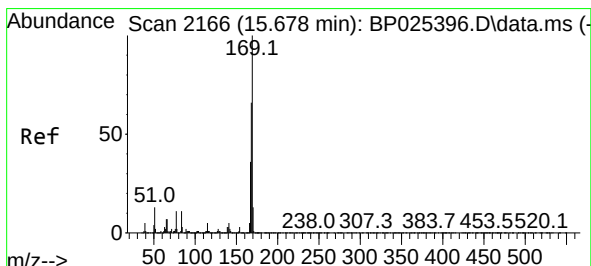
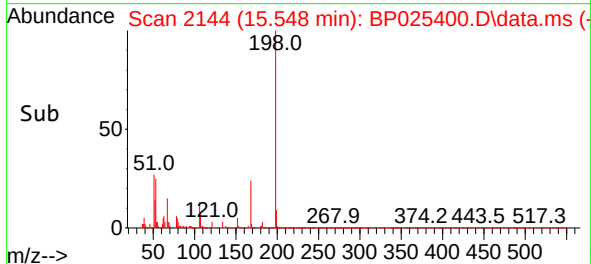
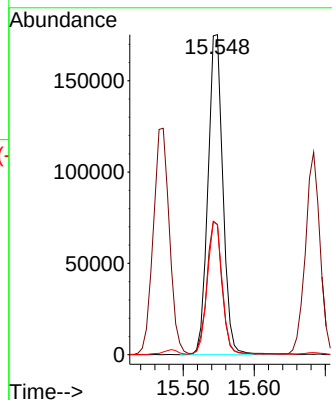
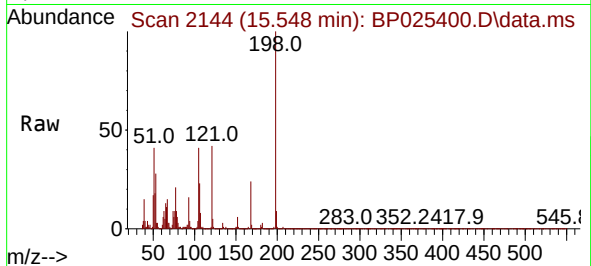




#65
4,6-Dinitro-2-methylphenol
Concen: 39.721 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

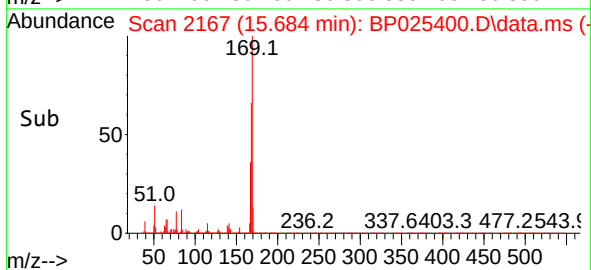
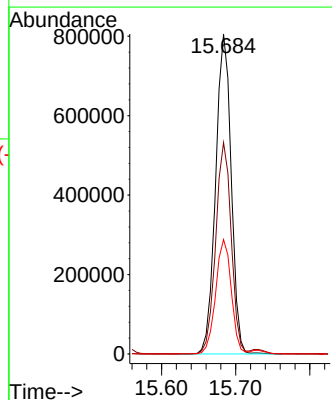
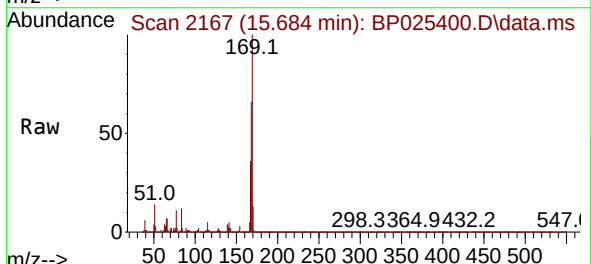
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

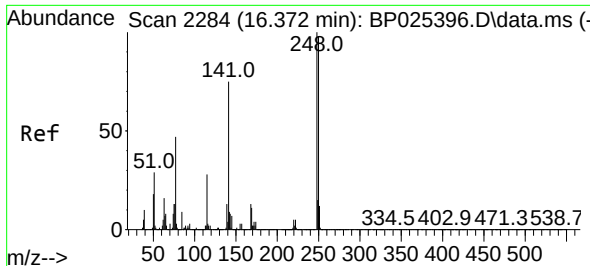
Tgt Ion:198 Resp: 256111
Ion Ratio Lower Upper
198 100
51 40.6 19.6 59.6
105 40.7 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 37.227 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:169 Resp: 1174244
Ion Ratio Lower Upper
169 100
168 66.0 53.2 79.8
167 35.7 28.7 43.1

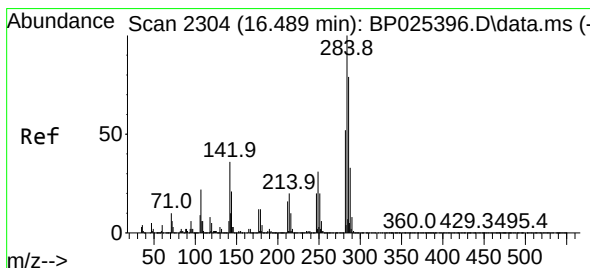
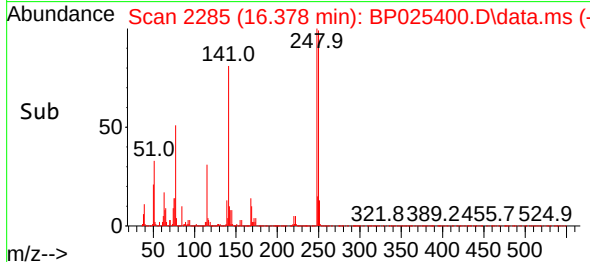
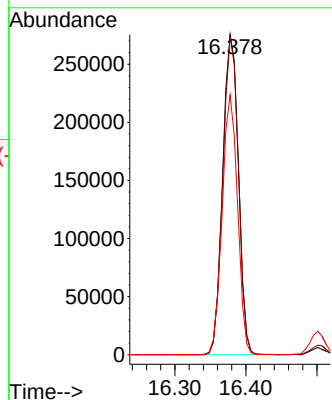
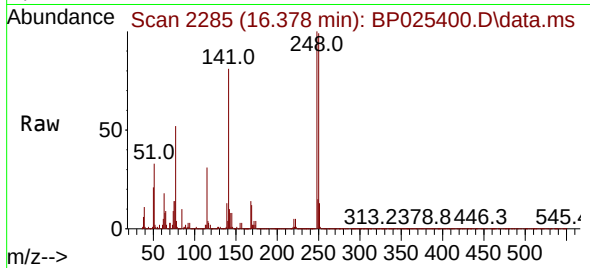




#67
4-Bromophenyl-phenylether
Concen: 37.101 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

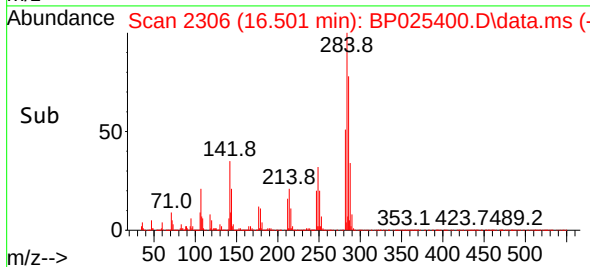
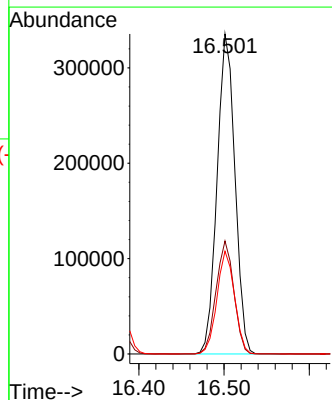
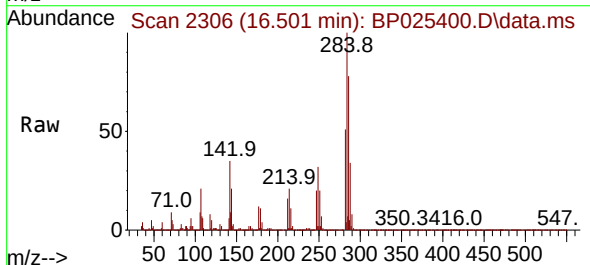
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

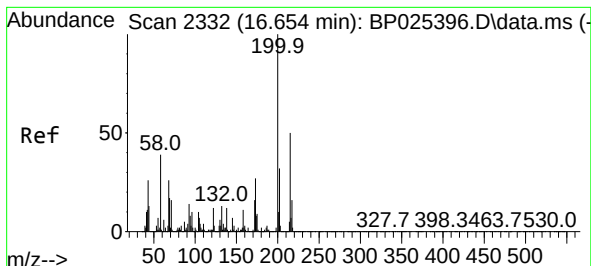
Tgt Ion:248 Resp: 422072
Ion Ratio Lower Upper
248 100
250 99.4 78.2 117.2
141 81.1 59.6 89.4



#68
Hexachlorobenzene
Concen: 37.062 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:284 Resp: 488749
Ion Ratio Lower Upper
284 100
142 35.3 29.1 43.7
249 32.1 25.0 37.4





#69

Atrazine

Concen: 38.057 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

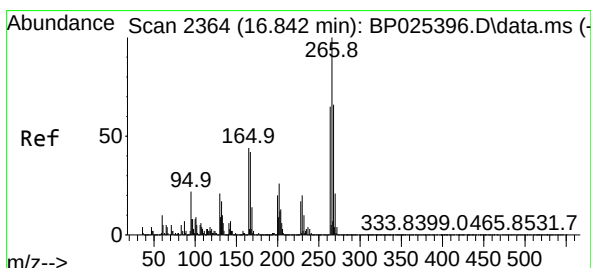
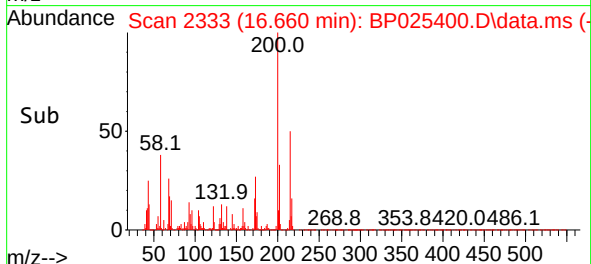
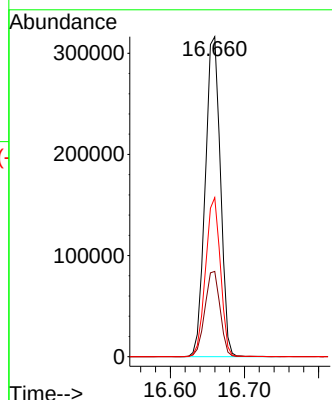
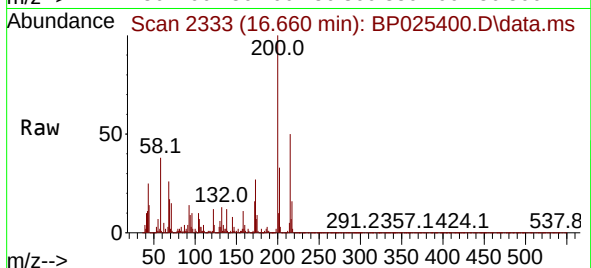
Tgt Ion:200 Resp: 449555

Ion Ratio Lower Upper

200 100

173 26.7 6.7 46.7

215 49.7 29.7 69.7



#70

Pentachlorophenol

Concen: 38.733 ng

RT: 16.854 min Scan# 2366

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

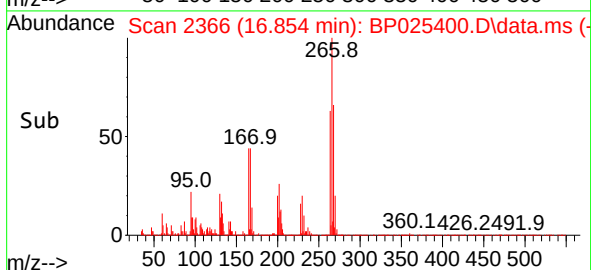
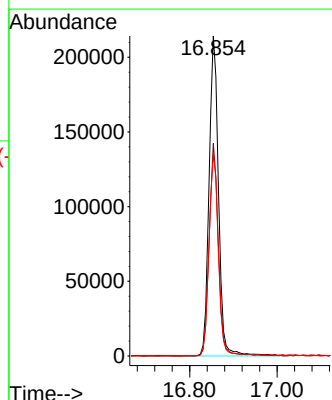
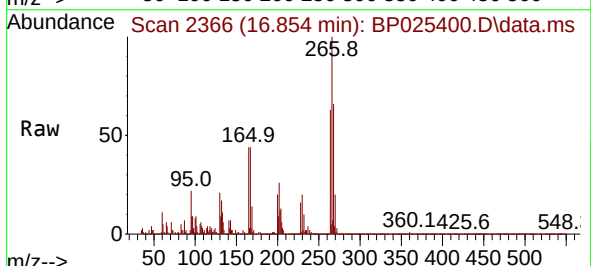
Tgt Ion:266 Resp: 322435

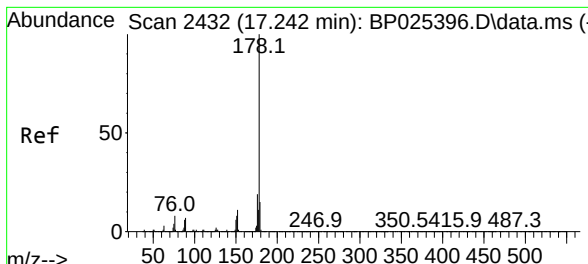
Ion Ratio Lower Upper

266 100

268 66.4 52.6 79.0

264 63.2 52.0 78.0



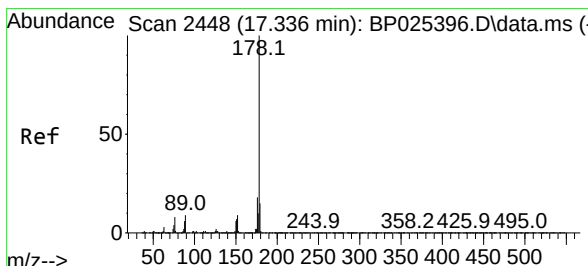
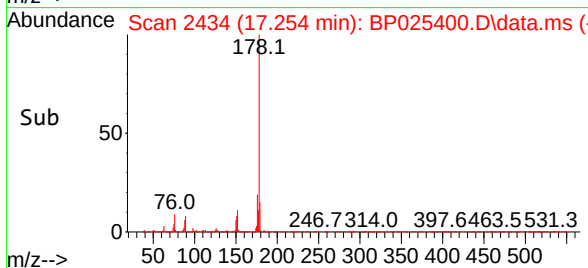
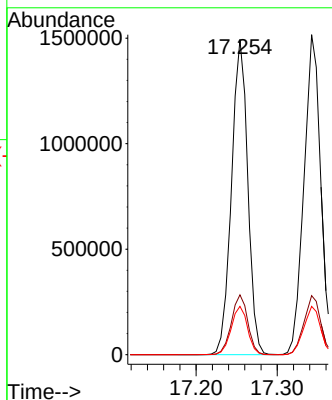
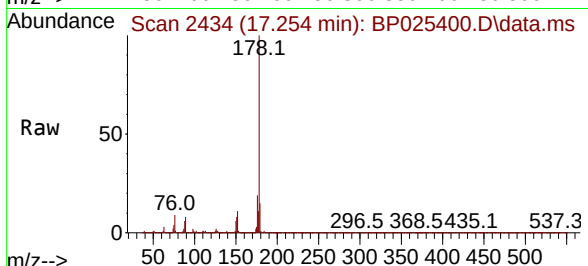


#71
 Phenanthrene
 Concen: 36.445 ng
 RT: 17.254 min Scan# 2434
 Delta R.T. 0.012 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

Tgt Ion:178 Resp: 2070873

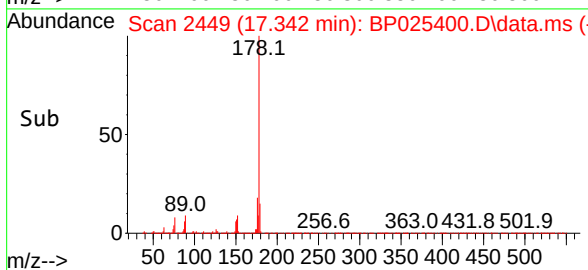
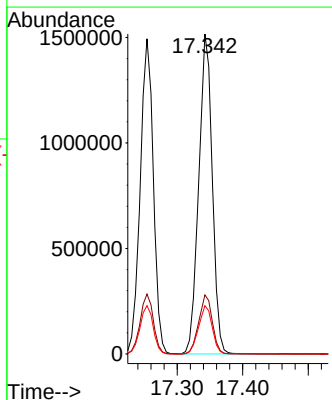
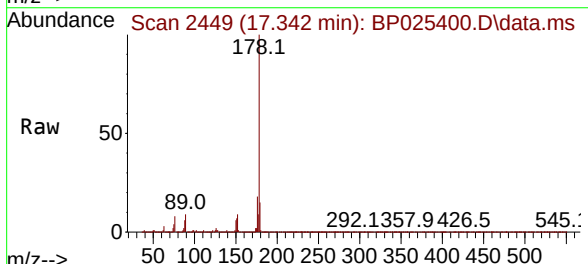
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.2	18.4

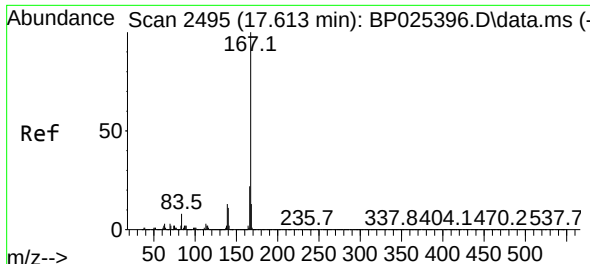


#72
 Anthracene
 Concen: 37.563 ng
 RT: 17.342 min Scan# 2449
 Delta R.T. 0.006 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

Tgt Ion:178 Resp: 2179669

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.1	12.2	18.2

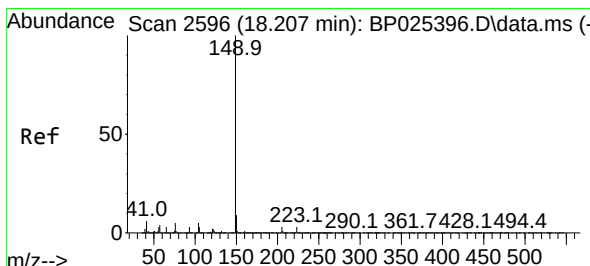
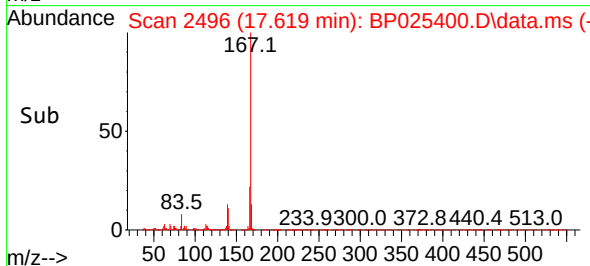
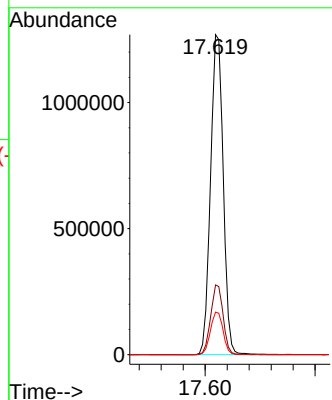
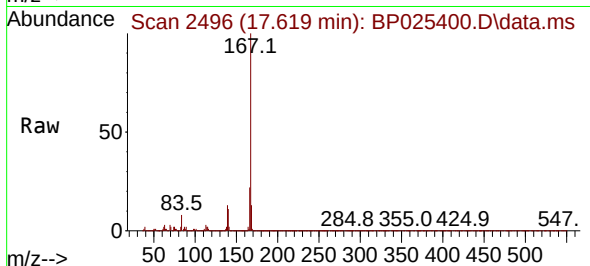




#73
 Carbazole
 Concen: 37.116 ng
 RT: 17.619 min Scan# 2496
 Delta R.T. 0.006 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

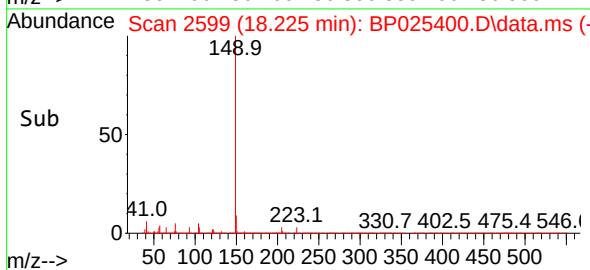
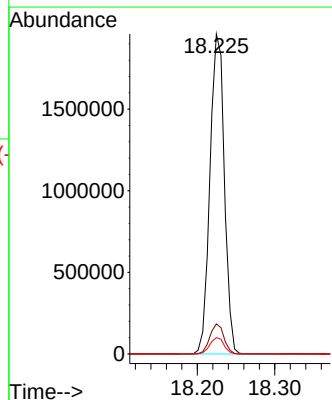
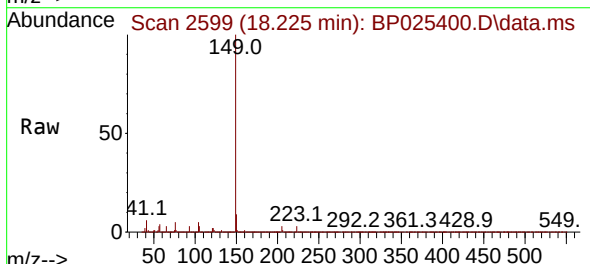
Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

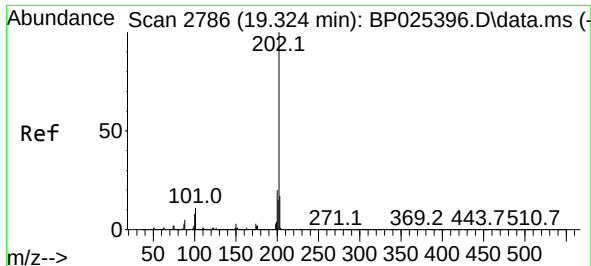
Tgt Ion:167 Resp: 2028595
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.5 26.3
 139 13.3 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 37.602 ng
 RT: 18.225 min Scan# 2599
 Delta R.T. 0.018 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 2528547
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 5.1 4.2 6.2

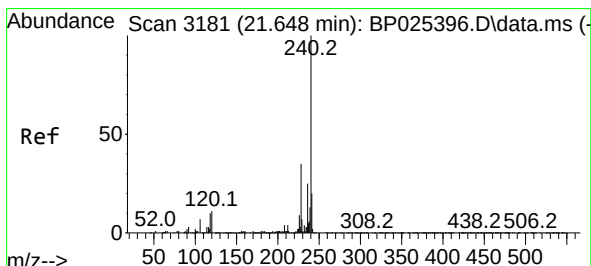
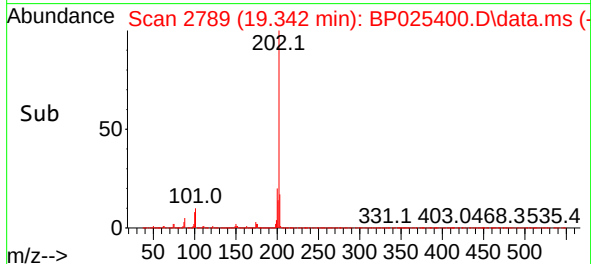
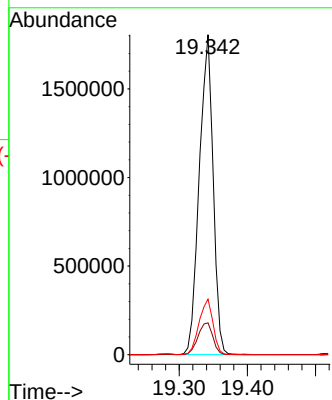
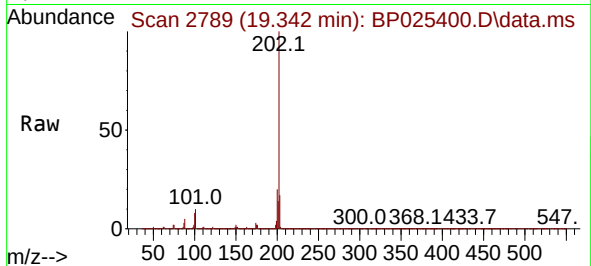




#75
Fluoranthene
Concen: 37.481 ng
RT: 19.342 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

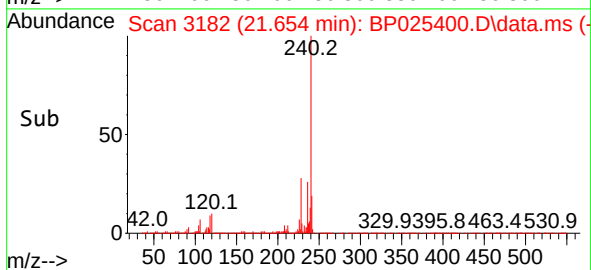
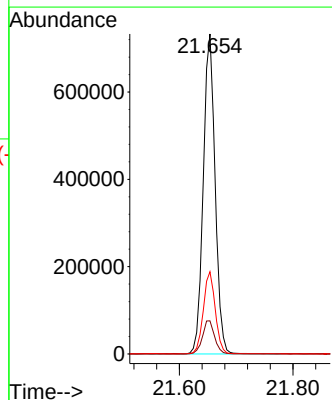
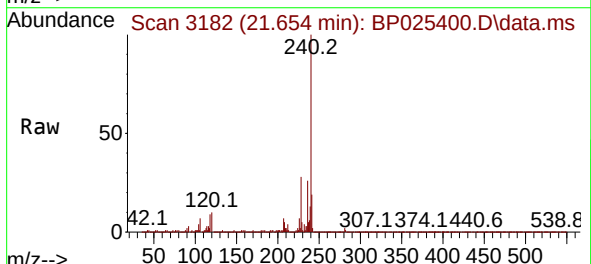
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

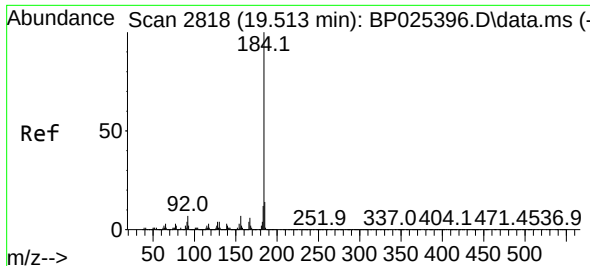
Tgt Ion:202 Resp: 2540417
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:240 Resp: 1060337
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.7 19.8 29.8

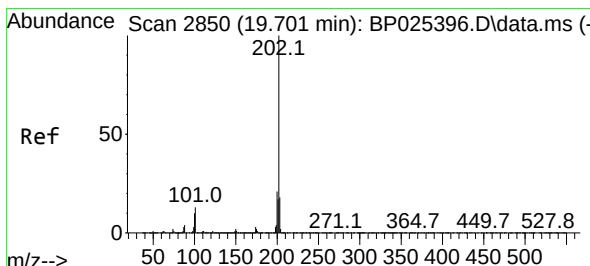
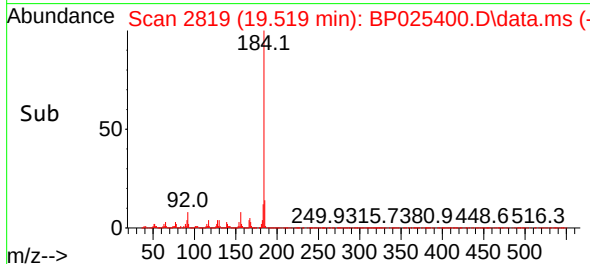
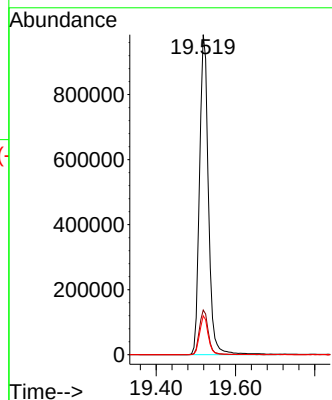
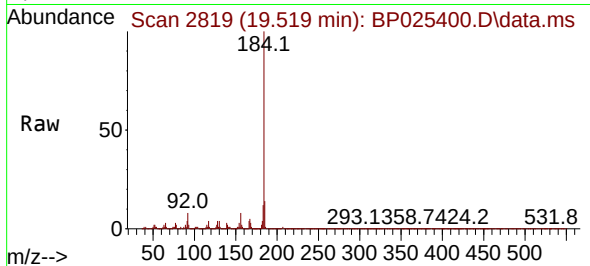




#77
Benzidine
Concen: 42.271 ng
RT: 19.519 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

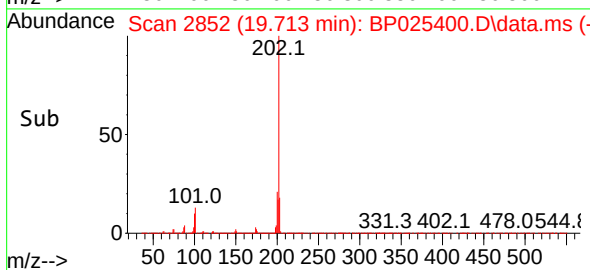
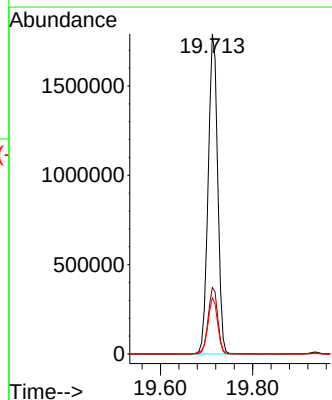
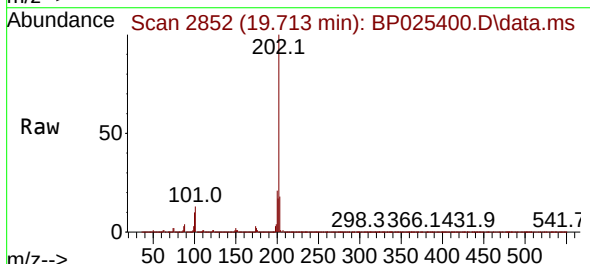
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

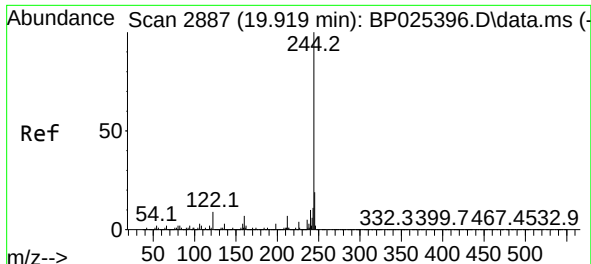
Tgt Ion:184 Resp: 1529656
Ion Ratio Lower Upper
184 100
185 13.9 11.5 17.3
183 12.1 9.4 14.2



#78
Pyrene
Concen: 37.404 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:202 Resp: 2577810
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.5 14.2 21.2

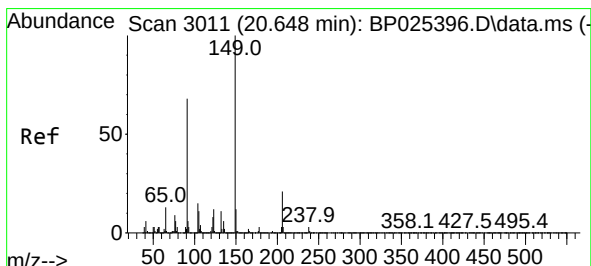
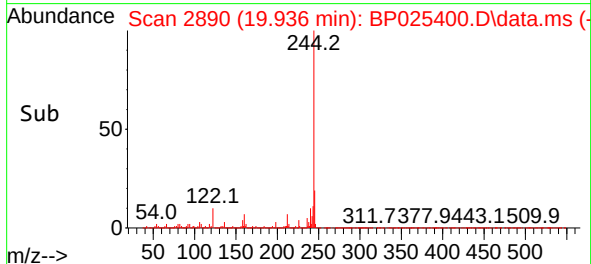
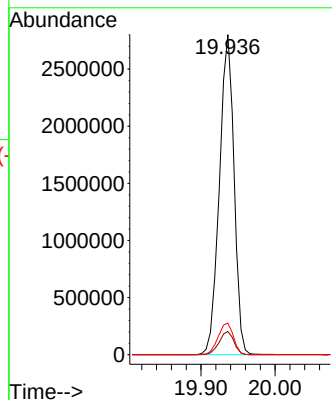
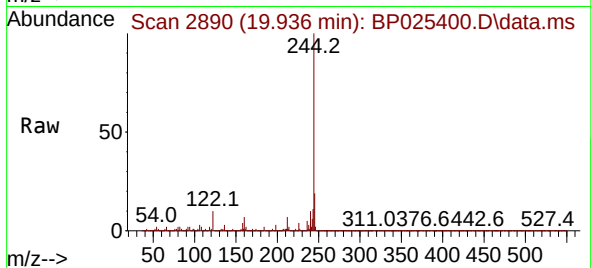




#79
 Terphenyl-d14
 Concen: 66.399 ng
 RT: 19.936 min Scan# 2887
 Delta R.T. 0.018 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

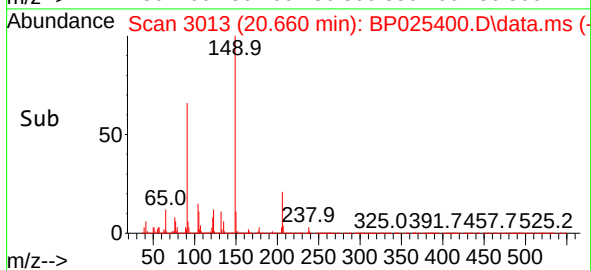
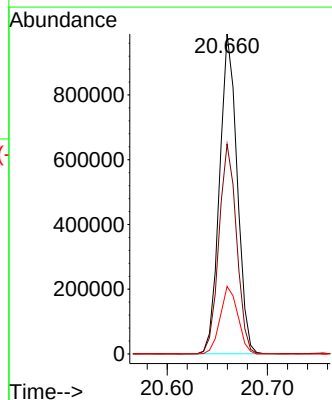
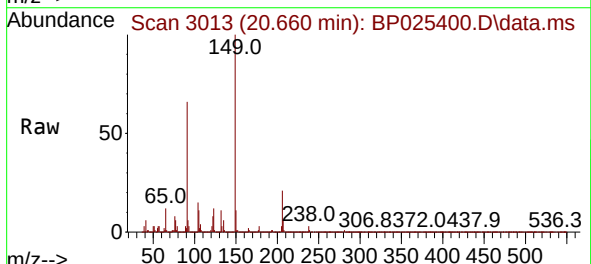
Instrument :
 BNA_P
 ClientSampleId :
 ICVBP081425

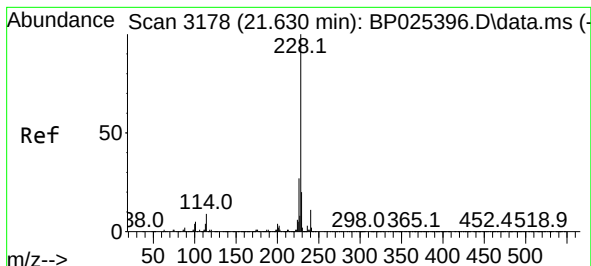
Tgt Ion:244 Resp: 3848160
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.9 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 38.401 ng
 RT: 20.660 min Scan# 3013
 Delta R.T. 0.012 min
 Lab File: BP025400.D
 Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1199445
 Ion Ratio Lower Upper
 149 100
 91 65.6 54.2 81.2
 206 21.1 16.6 24.8





#81

Benzo(a)anthracene

Concen: 36.950 ng

RT: 21.636 min Scan# 3178

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

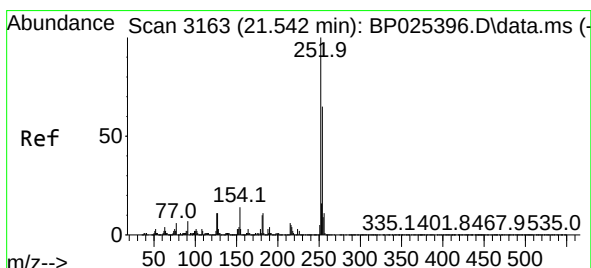
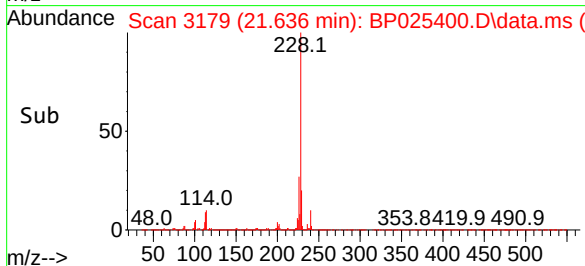
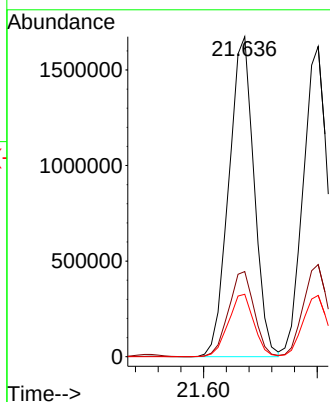
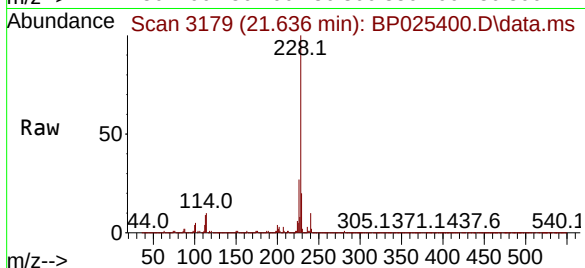
Tgt Ion:228 Resp: 2583866

Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

229 19.5 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 38.038 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

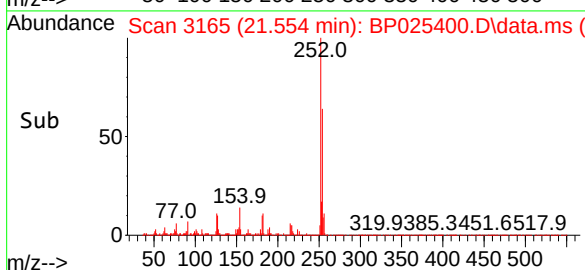
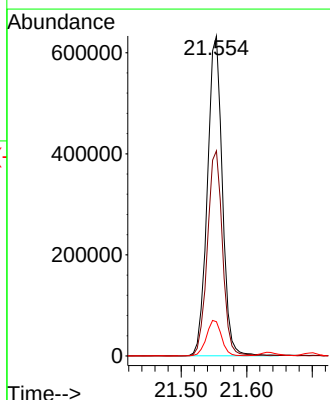
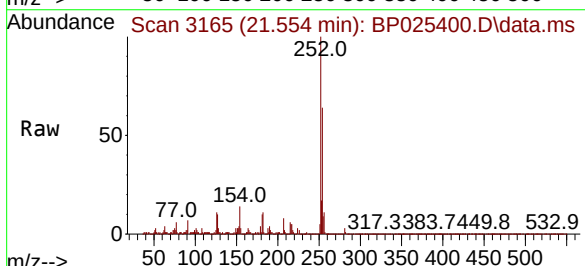
Tgt Ion:252 Resp: 1002597

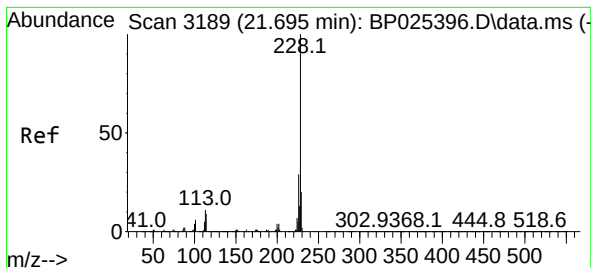
Ion Ratio Lower Upper

252 100

254 64.1 51.8 77.6

126 10.7 9.1 13.7





#83

Chrysene

Concen: 37.353 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

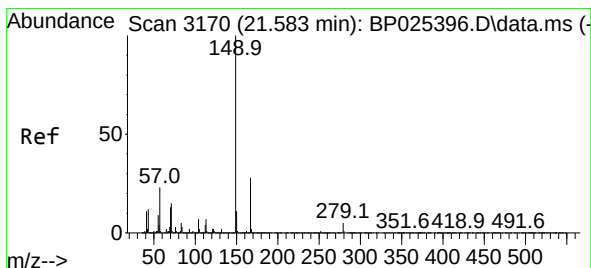
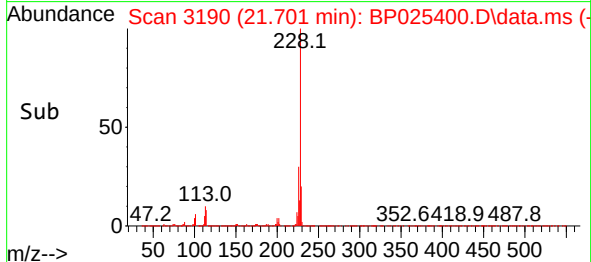
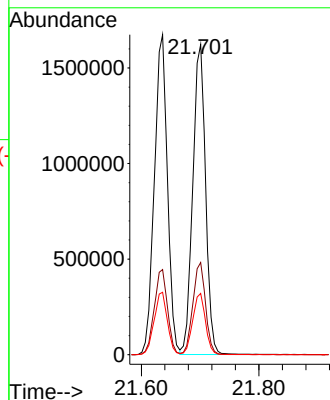
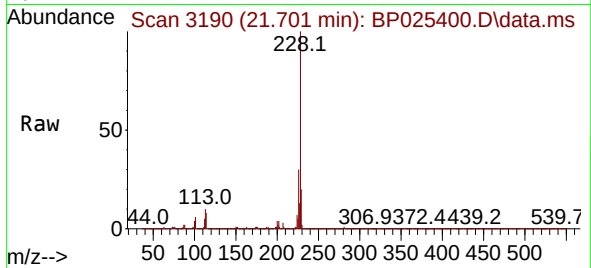
Tgt Ion:228 Resp: 2446197

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.729 ng

RT: 21.583 min Scan# 3170

Delta R.T. 0.000 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

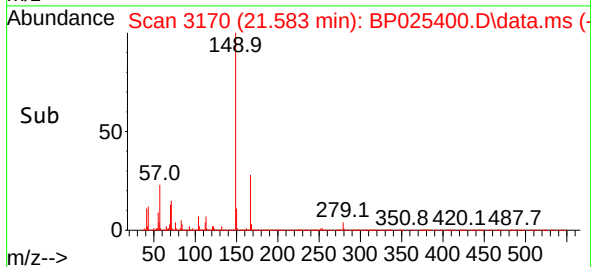
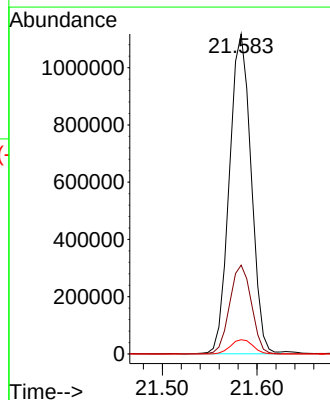
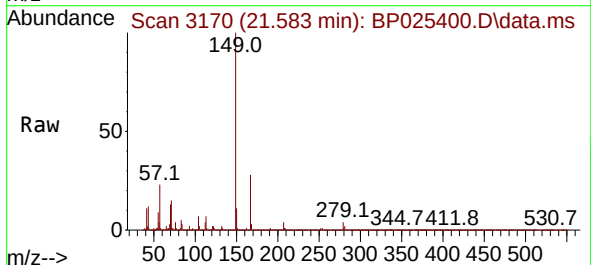
Tgt Ion:149 Resp: 1780746

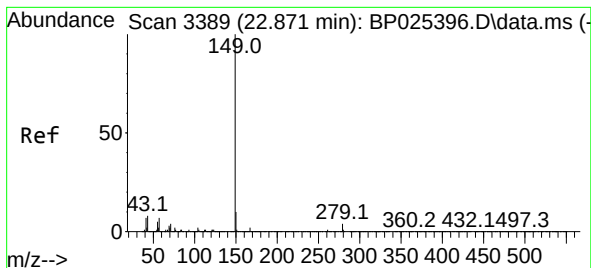
Ion Ratio Lower Upper

149 100

167 27.8 22.1 33.1

279 4.5 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 37.915 ng

RT: 22.877 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

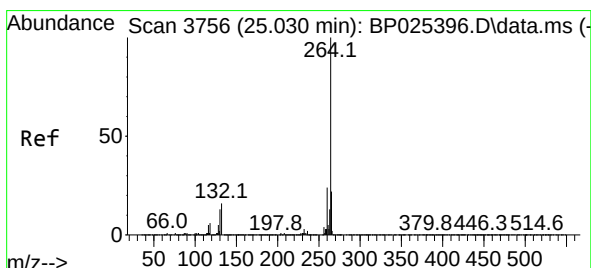
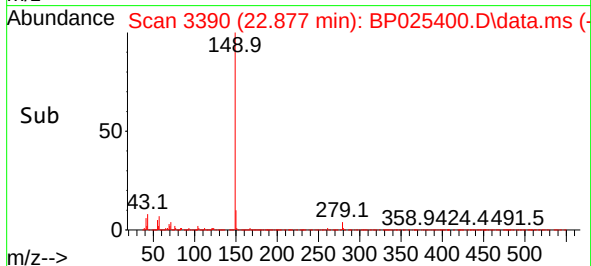
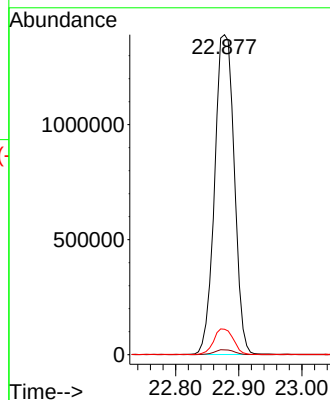
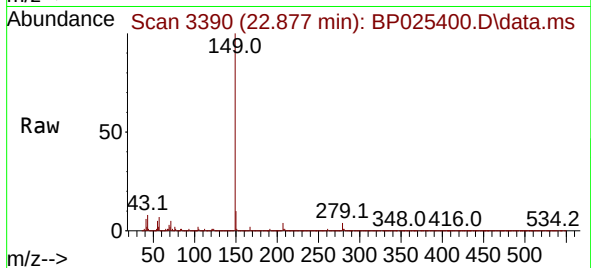
Tgt Ion:149 Resp: 2998528

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.0 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.024 min Scan# 3755

Delta R.T. -0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

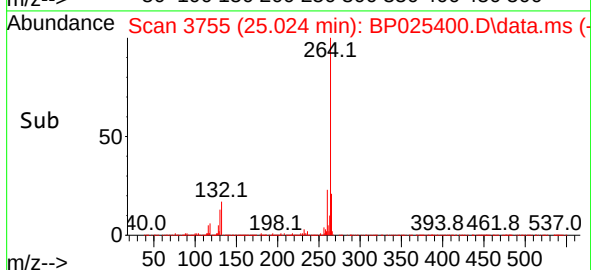
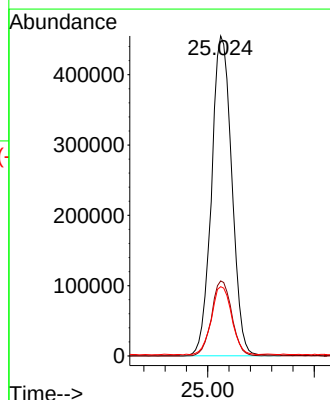
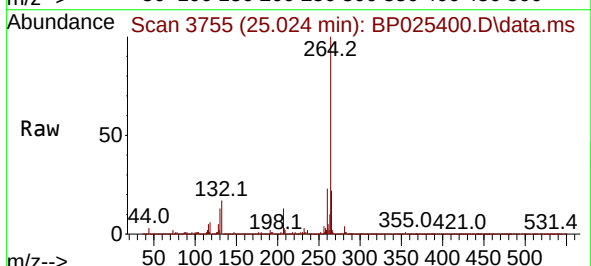
Tgt Ion:264 Resp: 1200519

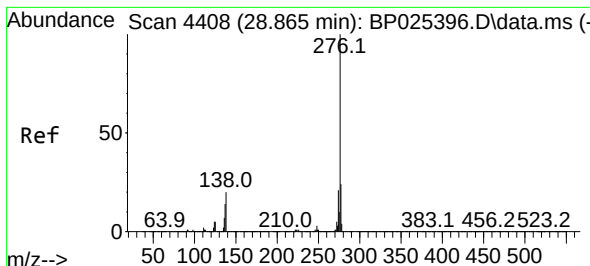
Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 21.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.119 ng

RT: 28.877 min Scan# 4408

Delta R.T. 0.012 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

BNA_P

ClientSampleId :

ICVBP081425

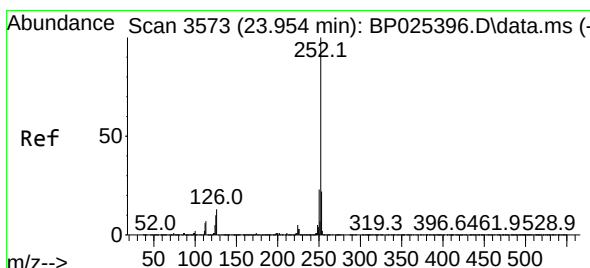
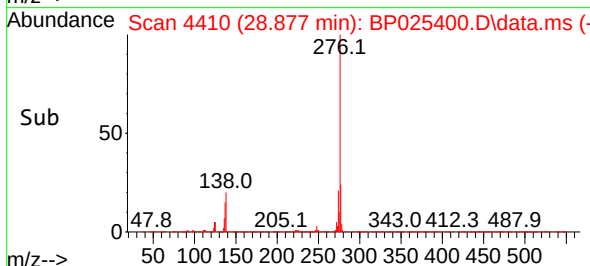
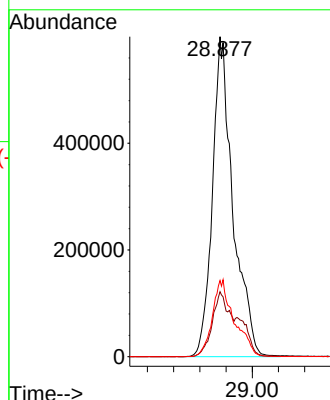
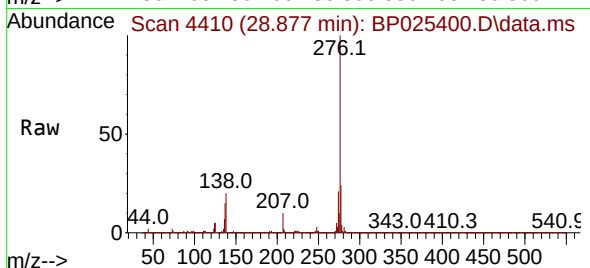
Tgt Ion:276 Resp: 3267965

Ion Ratio Lower Upper

276 100

138 17.0 12.9 19.3

277 25.5 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 36.964 ng

RT: 23.971 min Scan# 3576

Delta R.T. 0.018 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

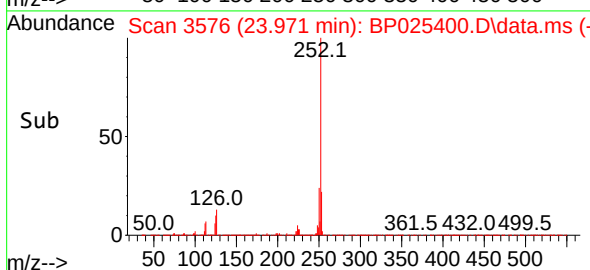
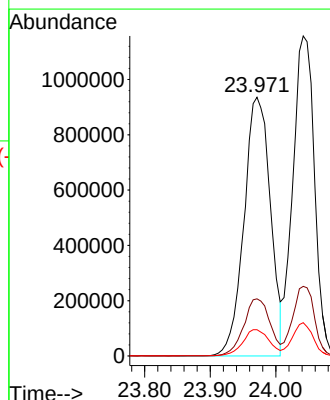
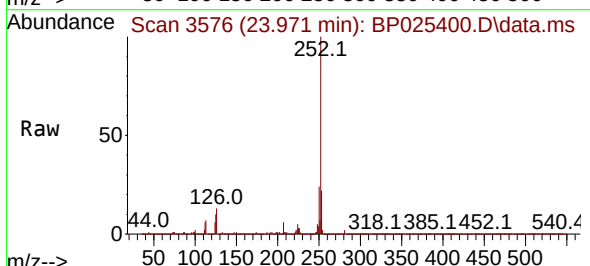
Tgt Ion:252 Resp: 2616701

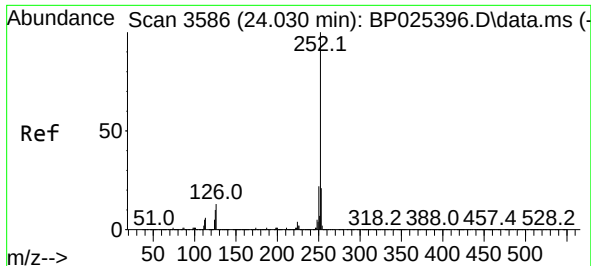
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.2 7.9 11.9

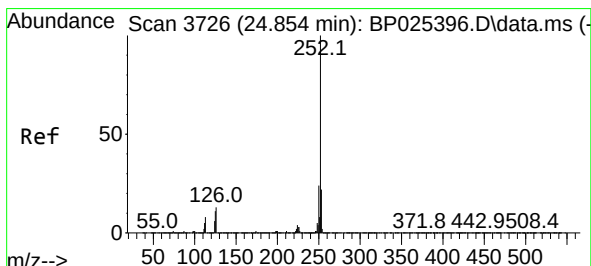
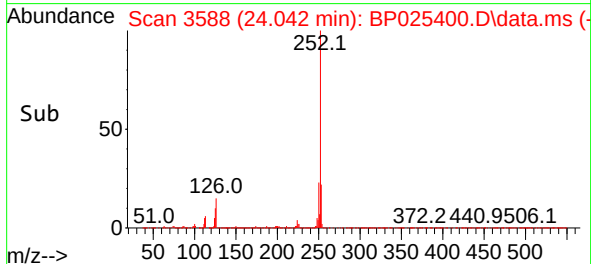
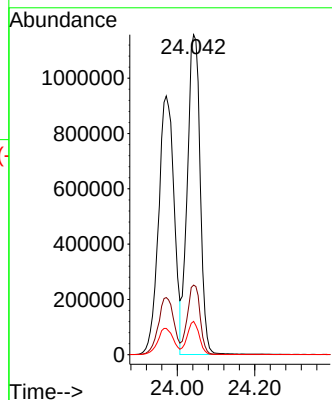
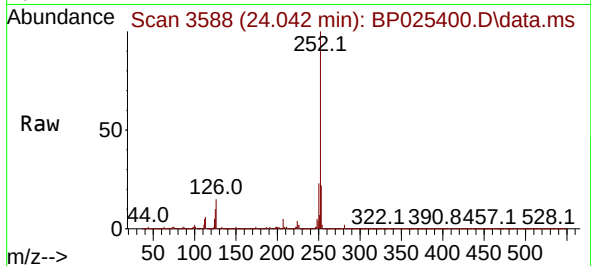




#89
Benzo(k)fluoranthene
Concen: 37.464 ng
RT: 24.042 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

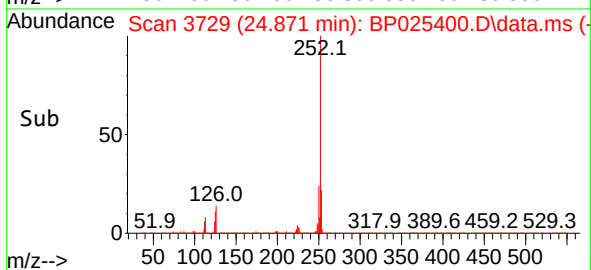
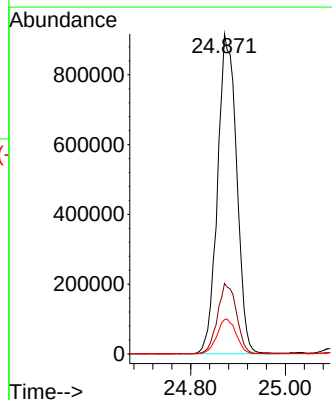
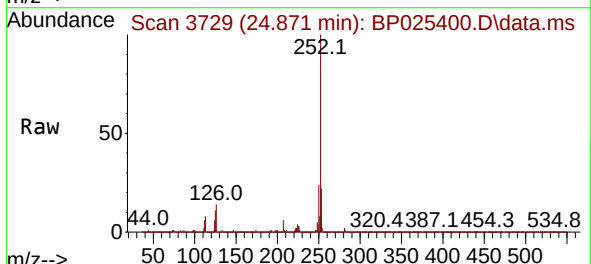
Instrument :
BNA_P
ClientSampleId :
ICVBP081425

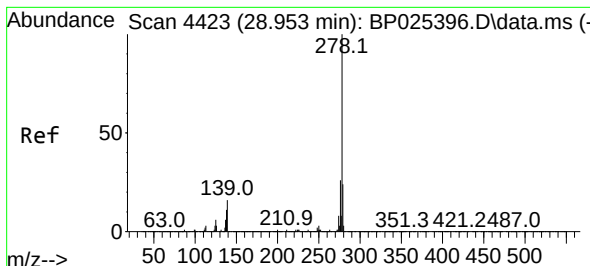
Tgt Ion:252 Resp: 2653905
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 10.4 7.8 11.6



#90
Benzo(a)pyrene
Concen: 37.160 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 2560692
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.7 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 37.490 ng

RT: 28.948 min Scan# 4423

Delta R.T. -0.006 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Instrument :

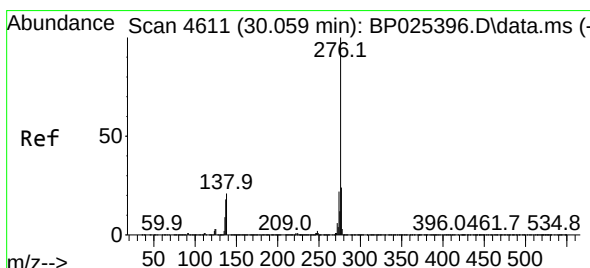
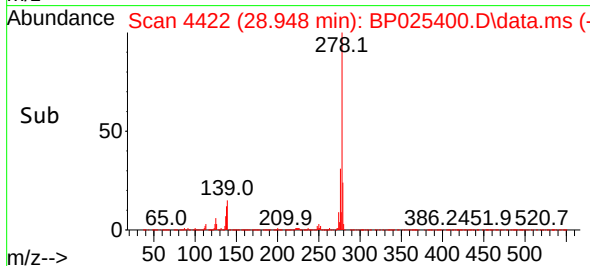
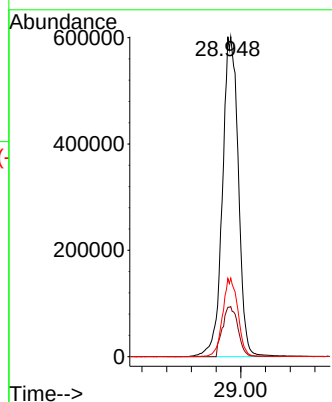
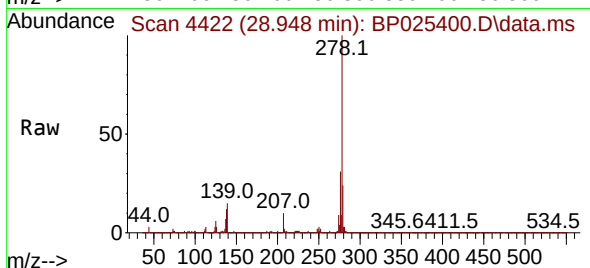
BNA_P

ClientSampleId :

ICVBP081425

Tgt Ion:278 Resp: 2697336

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	24.4	19.4	29.2



#92

Benzo(g,h,i)perylene

Concen: 37.216 ng

RT: 30.089 min Scan# 4616

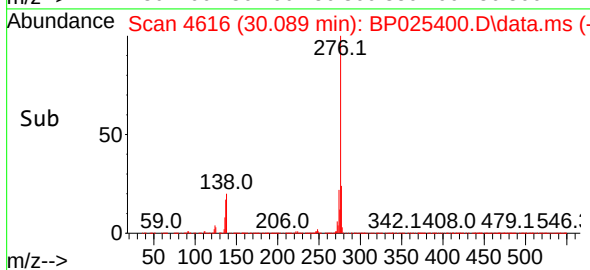
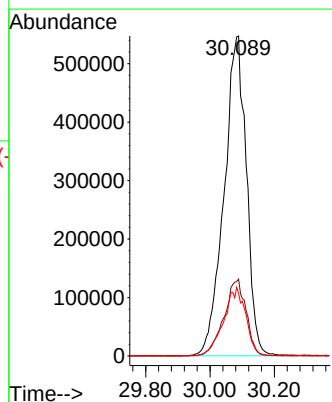
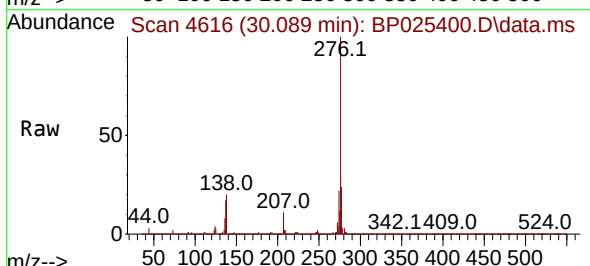
Delta R.T. 0.029 min

Lab File: BP025400.D

Acq: 14 Aug 2025 18:05

Tgt Ion:276 Resp: 2632085

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	19.6	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025422.D
 Acq On : 15 Aug 2025 10:36
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	163210	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	699113	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	458301	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	913689	20.000	ng	0.00
76) Chrysene-d12	21.648	240	958309	20.000	ng	0.00
86) Perylene-d12	25.012	264	1096861	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	763443	77.682	ng	0.00
7) Phenol-d6	6.966	99	991544	78.694	ng	0.00
23) Nitrobenzene-d5	8.931	82	1096890	79.367	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	483517	78.381	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2530106	75.449	ng	0.00
79) Terphenyl-d14	19.918	244	3932091	75.070	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	143562	37.293	ng	98
3) Pyridine	3.725	79	405696	38.504	ng	96
4) n-Nitrosodimethylamine	3.637	42	179582	41.341	ng	98
6) Aniline	7.119	93	677656	39.917	ng	100
8) 2-Chlorophenol	7.360	128	438538	39.543	ng	98
9) Benzaldehyde	6.937	77	464483	52.616	ng	98
10) Phenol	6.990	94	518982	39.253	ng	97
11) bis(2-Chloroethyl)ether	7.213	93	406260	39.423	ng	98
12) 1,3-Dichlorobenzene	7.678	146	482648	39.468	ng	98
13) 1,4-Dichlorobenzene	7.819	146	483294	38.666	ng	98
14) 1,2-Dichlorobenzene	8.137	146	469905	38.837	ng	97
15) Benzyl Alcohol	8.019	79	402455	40.199	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	556083	40.282	ng	99
17) 2-Methylphenol	8.219	107	365027	39.752	ng	98
18) Hexachloroethane	8.860	117	181724	39.542	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	328037	39.304	ng	98
20) 3+4-Methylphenols	8.543	107	503552	39.561	ng	97
22) Acetophenone	8.595	105	680116	38.792	ng	98
24) Nitrobenzene	8.966	77	491654	39.805	ng	99
25) Isophorone	9.495	82	938896	38.387	ng	99
26) 2-Nitrophenol	9.672	139	250121	39.458	ng	98
27) 2,4-Dimethylphenol	9.737	122	425335	39.018	ng	98
28) bis(2-Chloroethoxy)met...	9.960	93	565633	38.258	ng	98
29) 2,4-Dichlorophenol	10.207	162	419343	38.724	ng	100
30) 1,2,4-Trichlorobenzene	10.419	180	450156	37.921	ng	98
31) Naphthalene	10.607	128	1392577	38.324	ng	100
32) Benzoic acid	9.872	122	303683	37.734	ng	94
33) 4-Chloroaniline	10.707	127	628608	39.164	ng	100
34) Hexachlorobutadiene	10.895	225	285751	38.652	ng	97
35) Caprolactam	11.489	113	150695	37.951	ng	96
36) 4-Chloro-3-methylphenol	11.825	107	482622	38.840	ng	98
37) 2-Methylnaphthalene	12.213	142	903084	38.190	ng	98
38) 1-Methylnaphthalene	12.431	142	941493	37.439	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	512464	38.717	ng	100
41) Hexachlorocyclopentadiene	12.566	237	322360	40.319	ng	98
43) 2,4,6-Trichlorophenol	12.819	196	351101	39.291	ng	98

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 Data File : BP025422.D
 Acq On : 15 Aug 2025 10:36
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

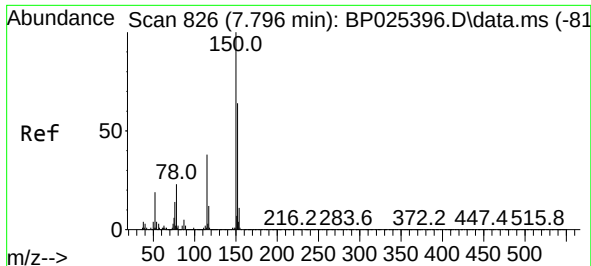
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	388369	39.656	ng	99
46) 1,1'-Biphenyl	13.225	154	1287182	38.672	ng	99
47) 2-Chloronaphthalene	13.266	162	1004850	38.780	ng	100
48) 2-Nitroaniline	13.466	65	308875	40.910	ng	98
49) Acenaphthylene	14.125	152	1648885	38.457	ng	100
50) Dimethylphthalate	13.854	163	1276659	38.040	ng	99
51) 2,6-Dinitrotoluene	13.966	165	287385	40.628	ng	98
52) Acenaphthene	14.472	154	1033308	41.057	ng	99
53) 3-Nitroaniline	14.295	138	318681	40.043	ng	95
54) 2,4-Dinitrophenol	14.507	184	150322	39.794	ng	96
55) Dibenzofuran	14.813	168	1491927	37.495	ng	100
56) 4-Nitrophenol	14.607	139	260098	39.771	ng	93
57) 2,4-Dinitrotoluene	14.766	165	408919	40.518	ng	95
58) Fluorene	15.472	166	1165482	37.121	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.036	232	345273	39.927	ng	99
60) Diethylphthalate	15.236	149	1297841	38.058	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	575339	36.845	ng	95
62) 4-Nitroaniline	15.483	138	321438	39.397	ng	96
63) Azobenzene	15.760	77	1147009	39.282	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	223566	39.253	ng	96
66) n-Nitrosodiphenylamine	15.672	169	1073233	38.519	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	383814	38.195	ng	97
68) Hexachlorobenzene	16.495	284	442250	37.966	ng	98
69) Atrazine	16.654	200	395168	37.872	ng	98
70) Pentachlorophenol	16.842	266	299142	40.681	ng	96
71) Phenanthrene	17.248	178	1900372	37.862	ng	100
72) Anthracene	17.336	178	1953735	38.117	ng	99
73) Carbazole	17.613	167	1812820	37.549	ng	98
74) Di-n-butylphthalate	18.207	149	2277638	38.345	ng	100
75) Fluoranthene	19.324	202	2258336	37.721	ng	99
77) Benzidine	19.513	184	1861268	56.911	ng	99
78) Pyrene	19.701	202	2359709	37.884	ng	99
80) Butylbenzylphthalate	20.654	149	1064206	37.699	ng	96
81) Benzo(a)anthracene	21.630	228	2390024	37.816	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	906596	38.057	ng	99
83) Chrysene	21.695	228	2241792	37.876	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1539693	37.052	ng	100
85) Di-n-octyl phthalate	22.859	149	2645927	37.018	ng	99
87) Indeno(1,2,3-cd)pyrene	28.865	276	3143696	39.082	ng	98
88) Benzo(b)fluoranthene	23.942	252	2512340	38.843	ng	99
89) Benzo(k)fluoranthene	24.012	252	2488345	38.446	ng	99
90) Benzo(a)pyrene	24.853	252	2443181	38.805	ng	99
91) Dibenzo(a,h)anthracene	28.930	278	2595384	39.482	ng	98
92) Benzo(g,h,i)perylene	30.012	276	2536518	39.255	ng	100

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

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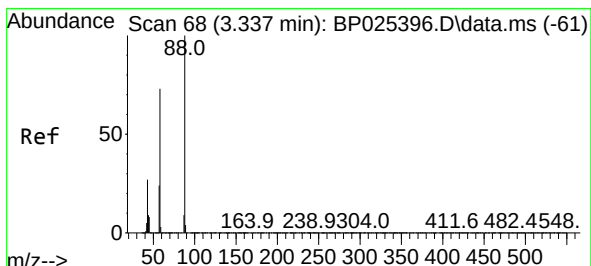
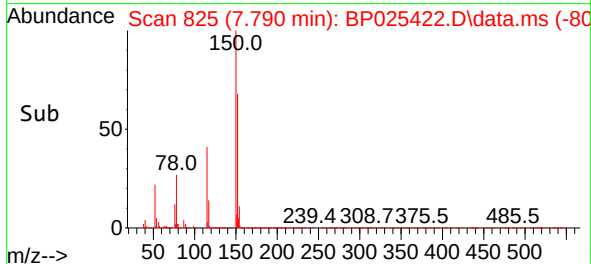
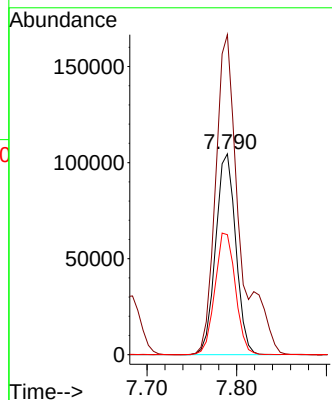
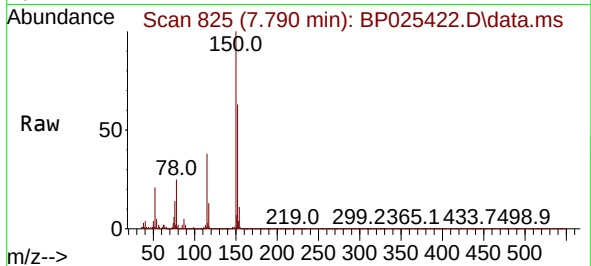
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

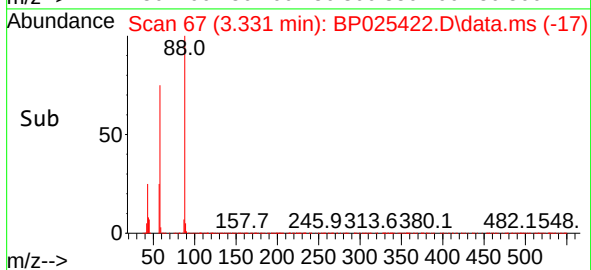
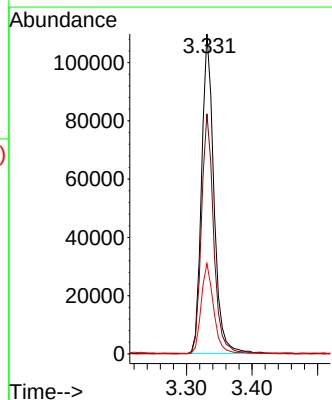
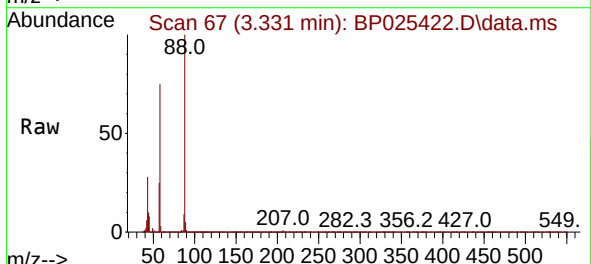
Instrument :
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ClientSampleId :
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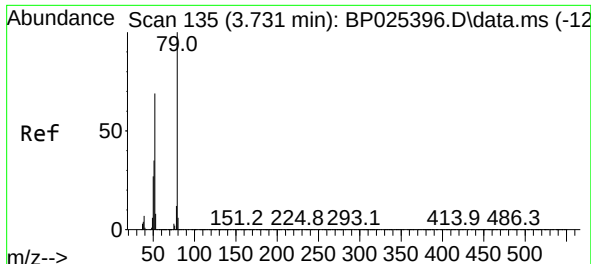
Tgt Ion:152 Resp: 163210
Ion Ratio Lower Upper
152 100
150 159.4 125.9 188.9
115 59.8 48.5 72.7



#2
1,4-Dioxane
Concen: 37.293 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 88 Resp: 143562
Ion Ratio Lower Upper
88 100
58 75.3 59.2 88.8
43 28.6 21.7 32.5

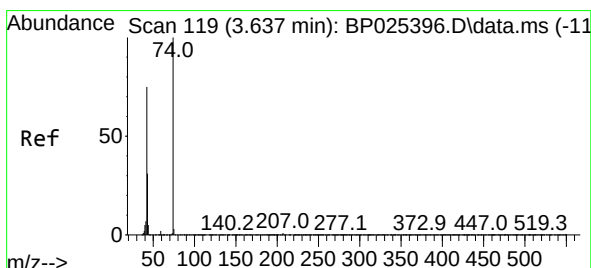
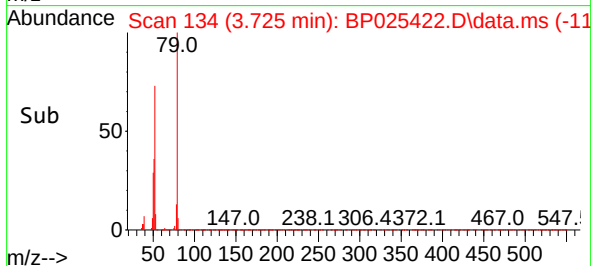
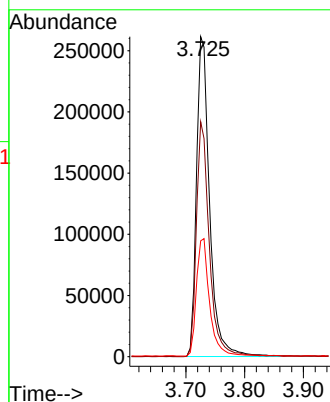
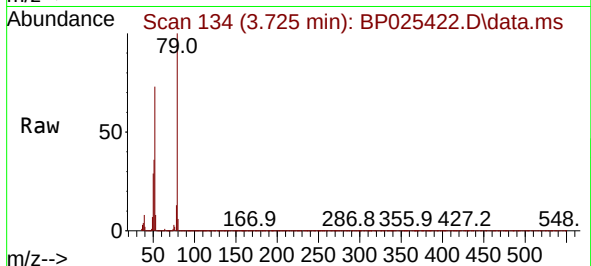




#3
Pyridine
Concen: 38.504 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

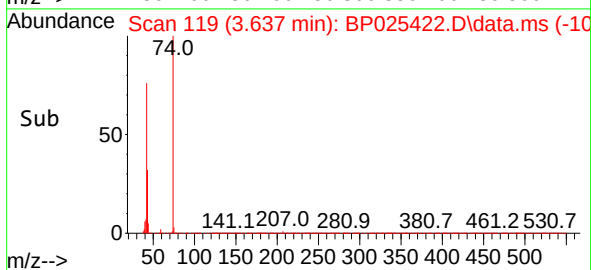
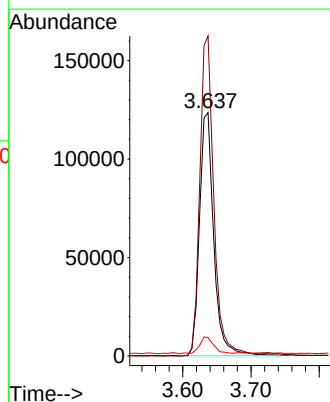
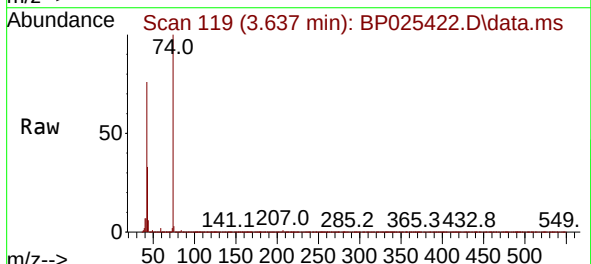
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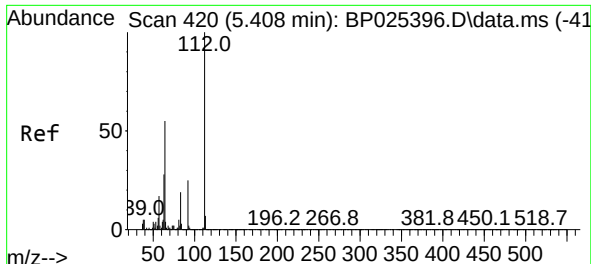
Tgt Ion: 79 Resp: 405696
Ion Ratio Lower Upper
79 100
52 73.4 55.5 83.3
51 36.2 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 41.341 ng
RT: 3.637 min Scan# 119
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 42 Resp: 179582
Ion Ratio Lower Upper
42 100
74 131.5 107.0 160.4
44 7.6 6.2 9.4

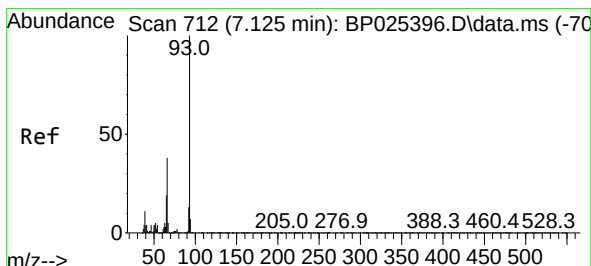
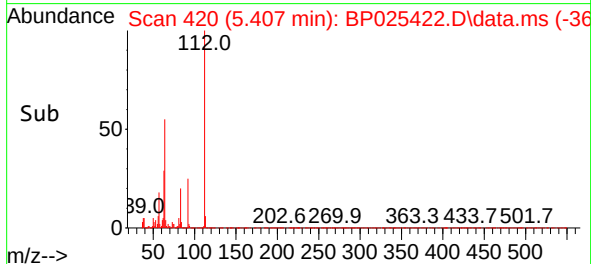
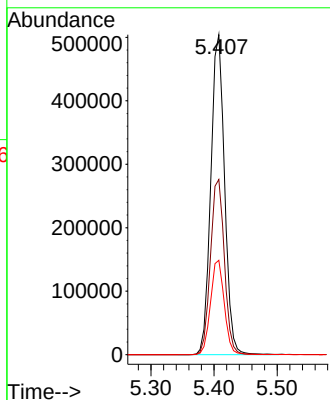
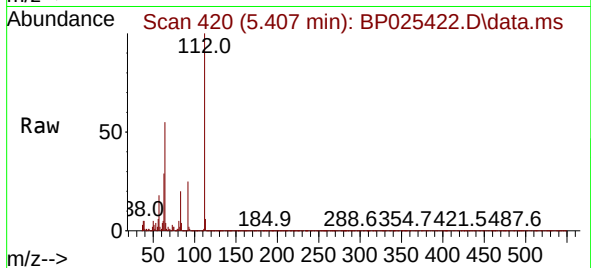




#5
2-Fluorophenol
Concen: 77.682 ng
RT: 5.407 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

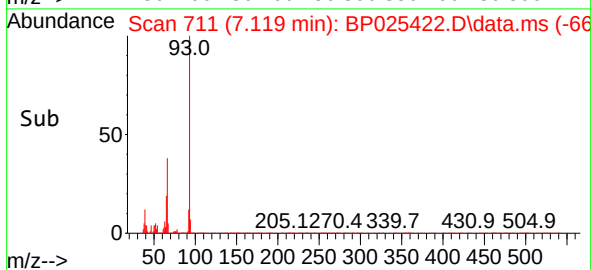
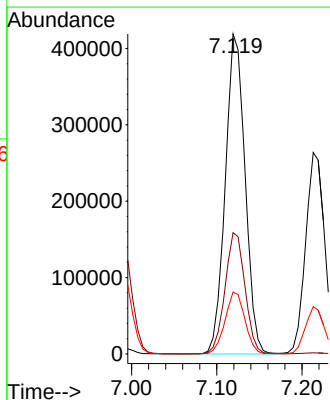
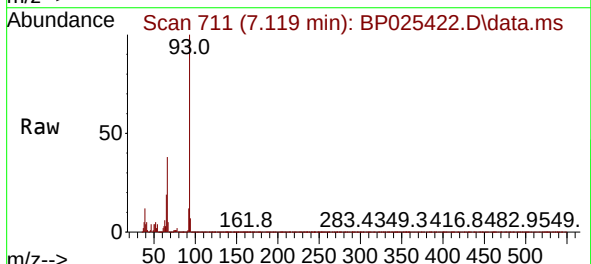
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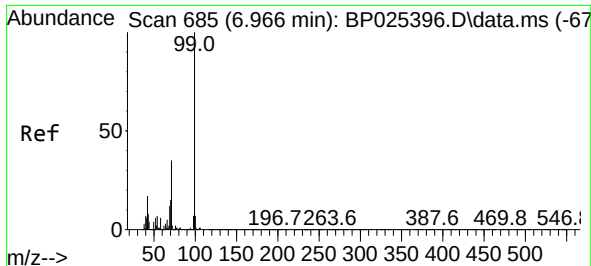
Tgt Ion:112 Resp: 763443
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 29.5 22.7 34.1



#6
Aniline
Concen: 39.917 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 93 Resp: 677656
Ion Ratio Lower Upper
93 100
66 37.9 30.4 45.6
65 19.4 15.3 22.9

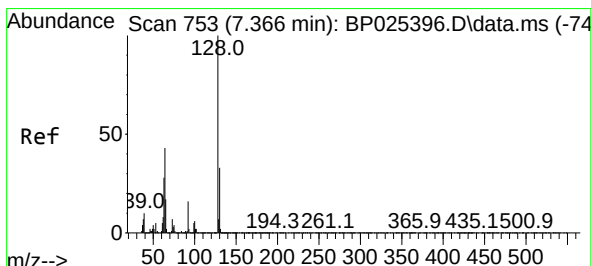
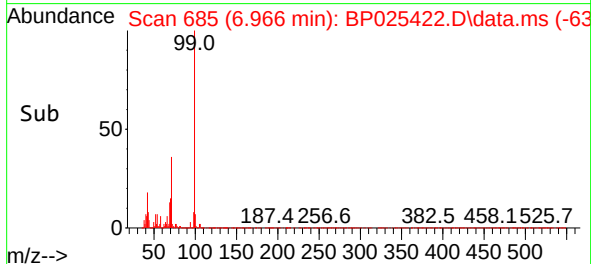
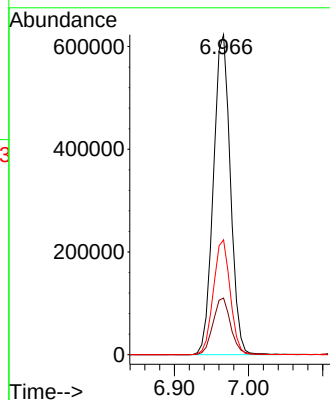
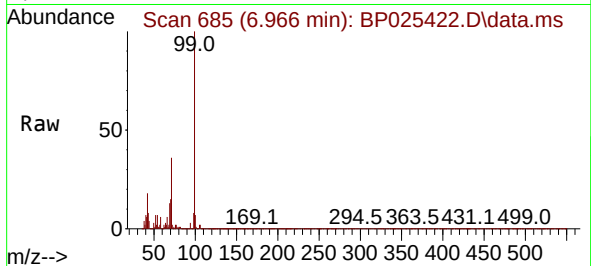




#7
Phenol-d6
Concen: 78.694 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

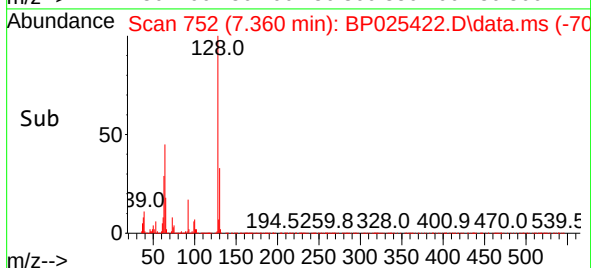
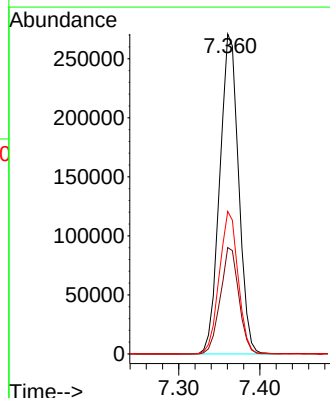
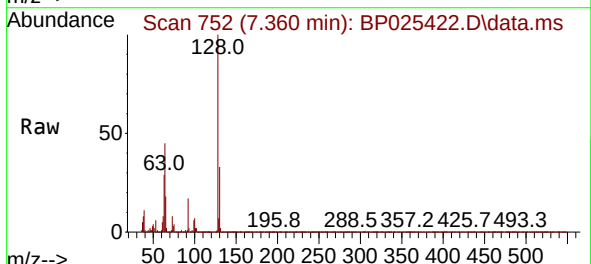
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ClientSampleId :
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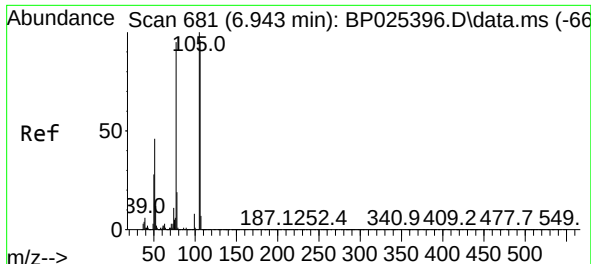
Tgt Ion: 99 Resp: 991544
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 35.9 28.2 42.4



#8
2-Chlorophenol
Concen: 39.543 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 128 Resp: 438538
Ion Ratio Lower Upper
128 100
130 33.3 12.6 52.6
64 44.6 23.4 63.4

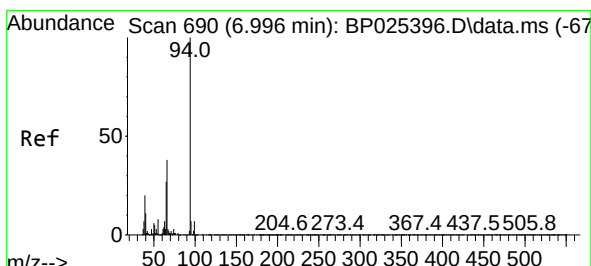
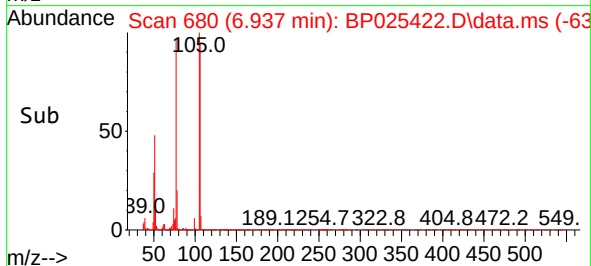
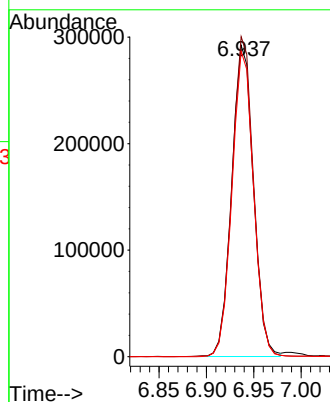
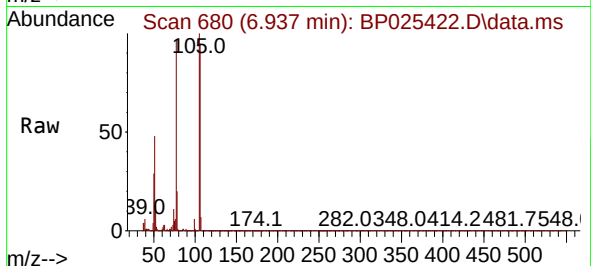




#9
Benzaldehyde
Concen: 52.616 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

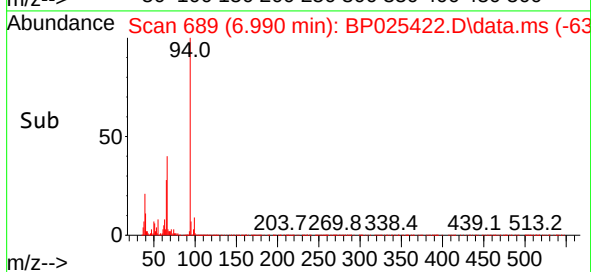
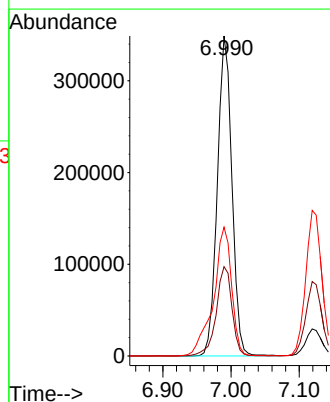
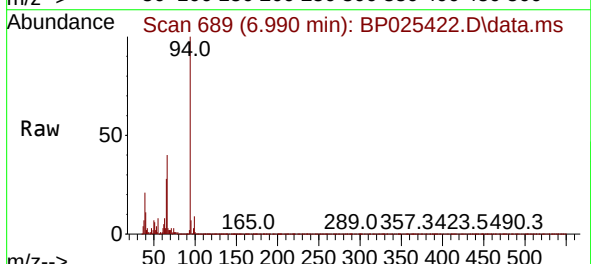
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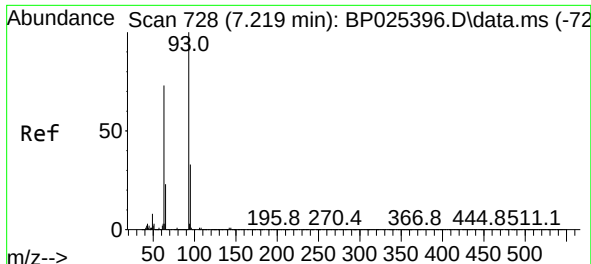
Tgt Ion: 77 Resp: 464483
Ion Ratio Lower Upper
77 100
105 102.8 84.8 124.8
106 98.0 80.5 120.5



#10
Phenol
Concen: 39.253 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 94 Resp: 518982
Ion Ratio Lower Upper
94 100
65 27.9 6.8 46.8
66 40.2 18.2 58.2

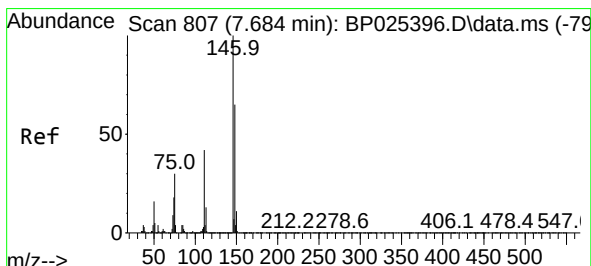
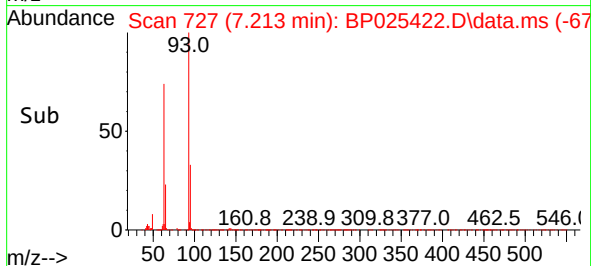
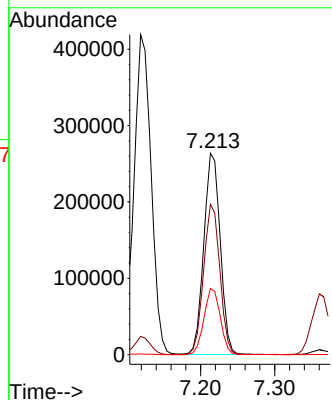
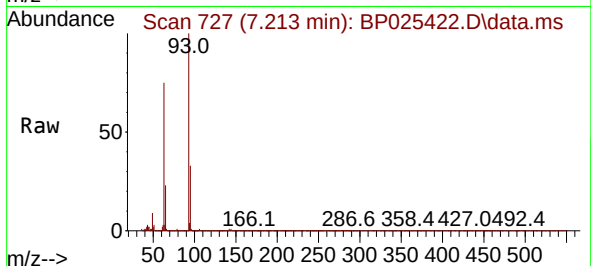




#11
 bis(2-Chloroethyl)ether
 Concen: 39.423 ng
 RT: 7.213 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

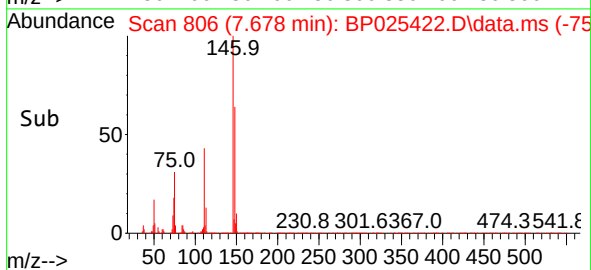
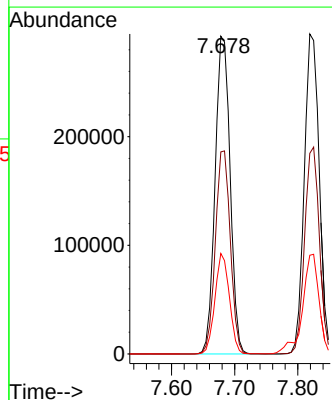
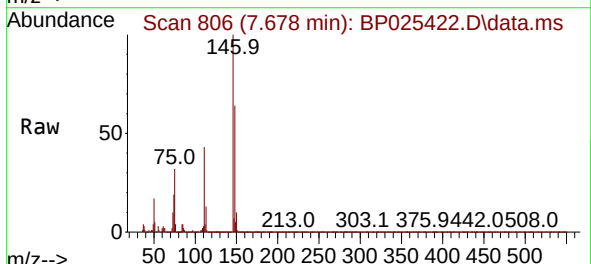
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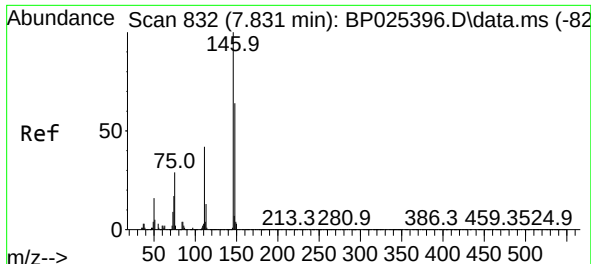
Tgt Ion: 93 Resp: 406260
 Ion Ratio Lower Upper
 93 100
 63 74.7 52.6 92.6
 95 32.9 12.7 52.7



#12
 1,3-Dichlorobenzene
 Concen: 39.468 ng
 RT: 7.678 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Tgt Ion: 146 Resp: 482648
 Ion Ratio Lower Upper
 146 100
 148 63.6 51.9 77.9
 75 31.6 23.7 35.5

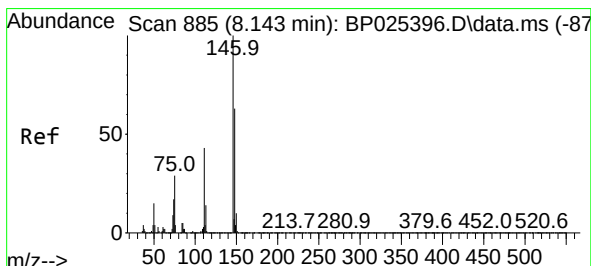
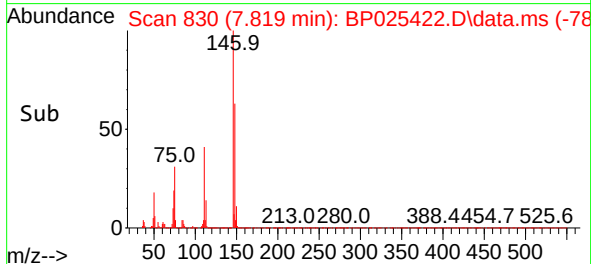
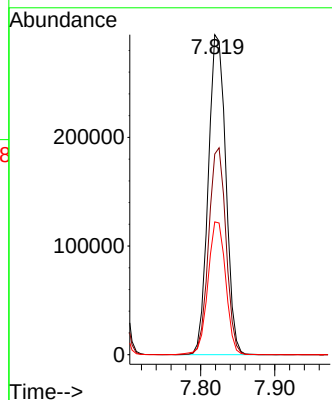
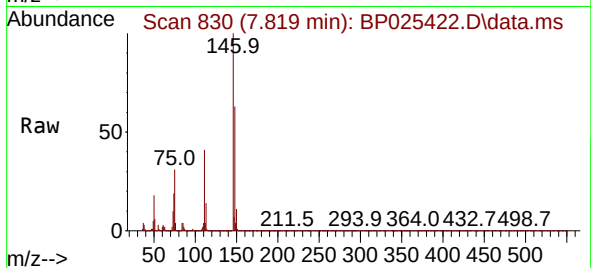




#13
1,4-Dichlorobenzene
Concen: 38.666 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

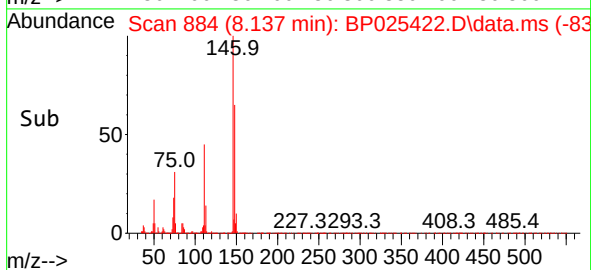
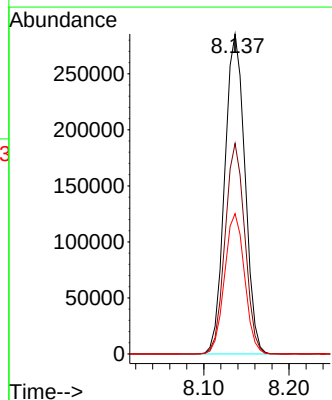
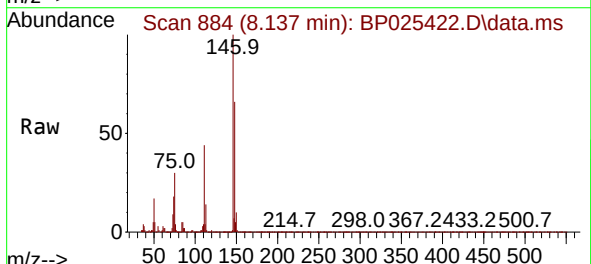
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

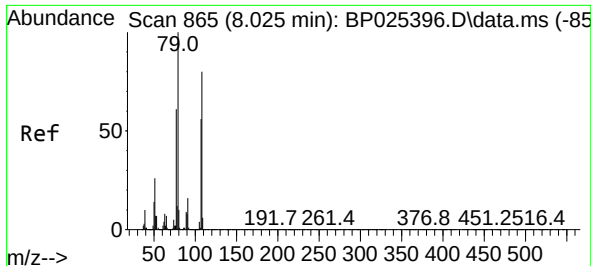
Tgt Ion:146 Resp: 483294
Ion Ratio Lower Upper
146 100
148 62.7 51.6 77.4
111 41.5 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 38.837 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:146 Resp: 469905
Ion Ratio Lower Upper
146 100
148 65.8 50.4 75.6
111 43.8 34.5 51.7

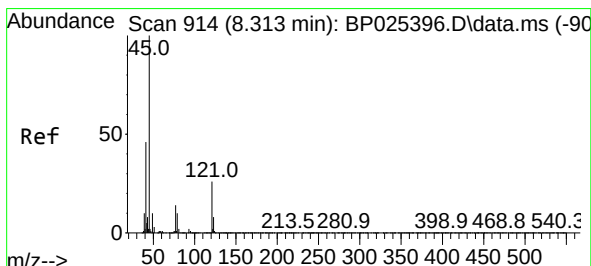
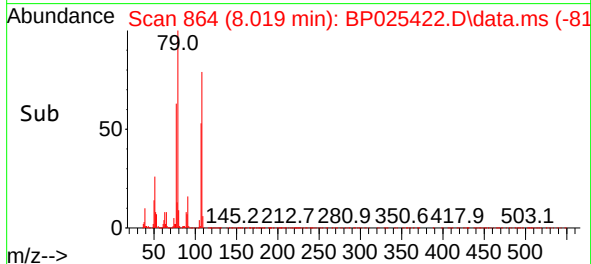
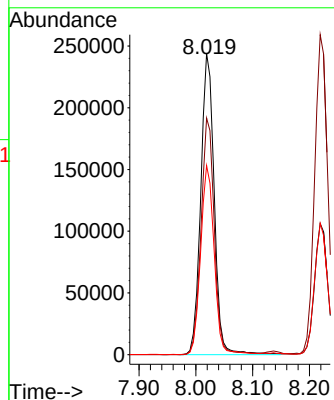
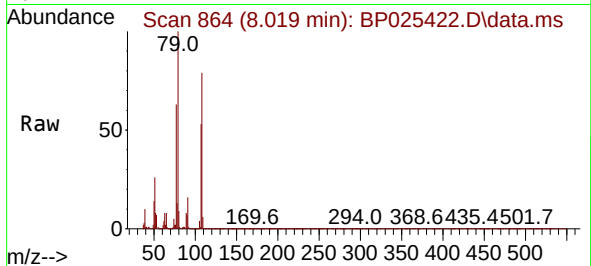




#15
Benzyl Alcohol
Concen: 40.199 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

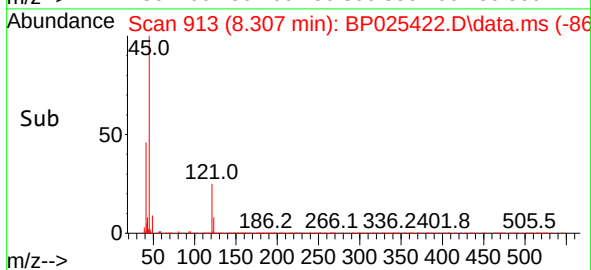
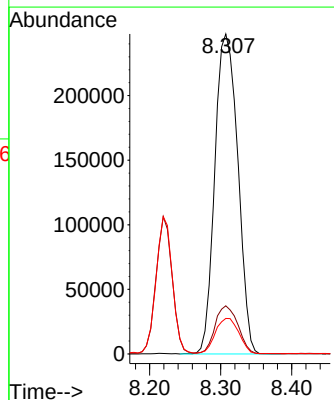
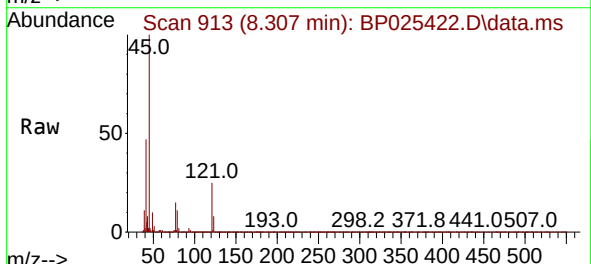
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

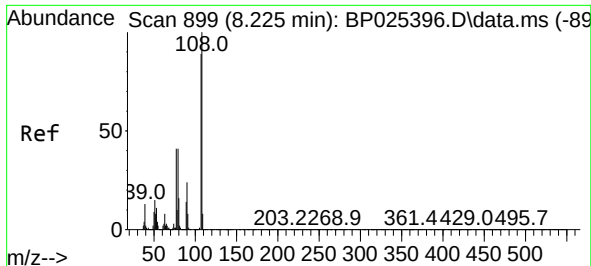
Tgt Ion: 79 Resp: 402455
Ion Ratio Lower Upper
79 100
108 78.5 63.8 95.6
77 62.8 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.282 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 45 Resp: 556083
Ion Ratio Lower Upper
45 100
77 15.1 0.0 35.3
79 11.1 0.0 31.8

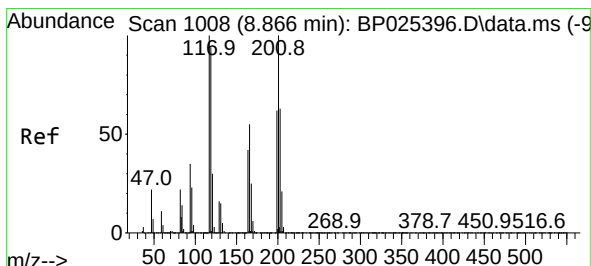
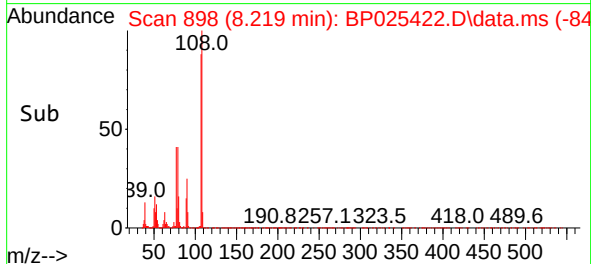
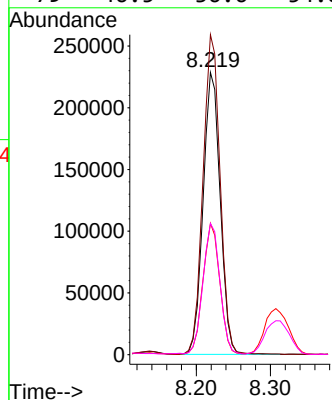
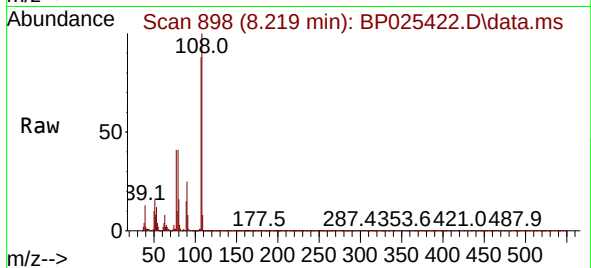




#17
2-Methylphenol
Concen: 39.752 ng
RT: 8.219 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

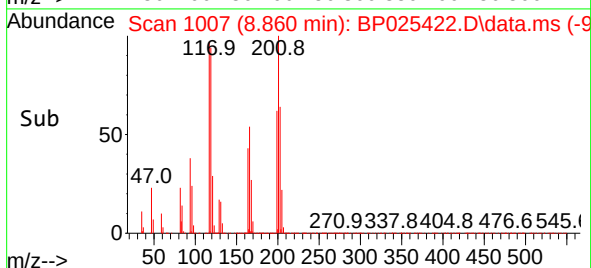
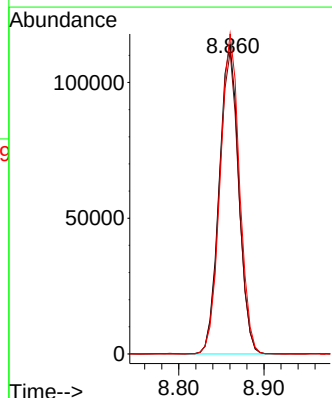
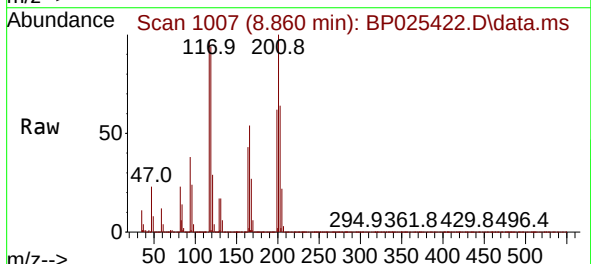
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

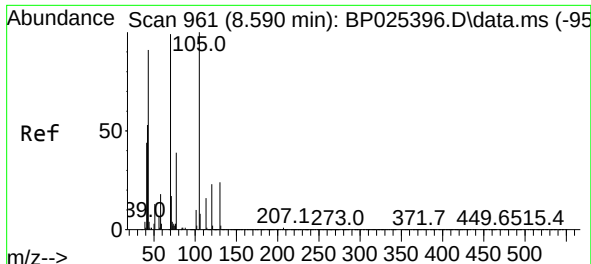
Tgt Ion:	107	Resp:	365027
Ion	Ratio	Lower	Upper
107	100		
108	113.4	89.4	134.0
77	46.5	36.3	54.5
79	46.5	36.6	54.8



#18
Hexachloroethane
Concen: 39.542 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:	117	Resp:	181724
Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.1	112.7
201	103.5	80.1	120.1



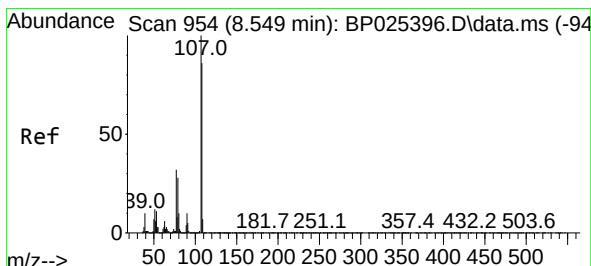
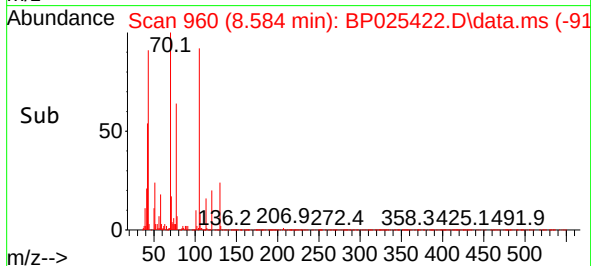
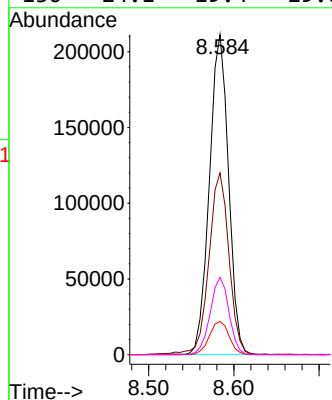
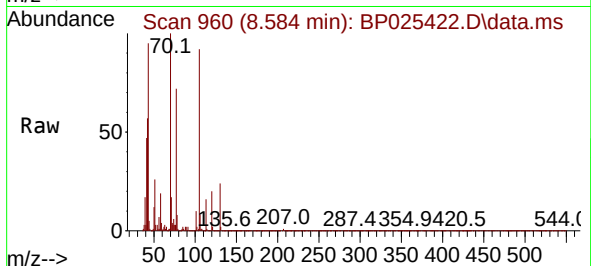


#19
n-Nitroso-di-n-propylamine
Concen: 39.304 ng
RT: 8.584 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 328037

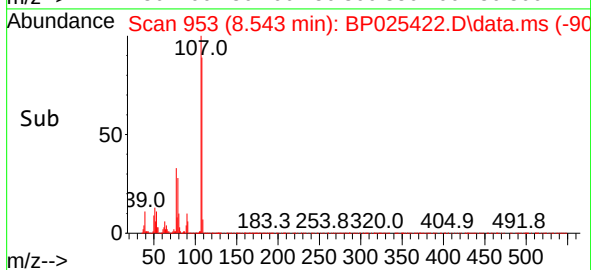
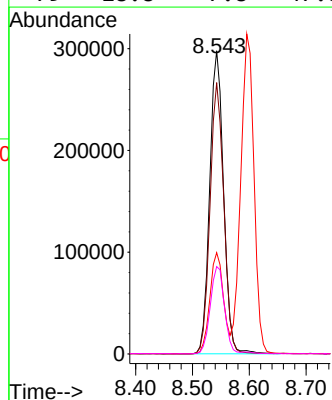
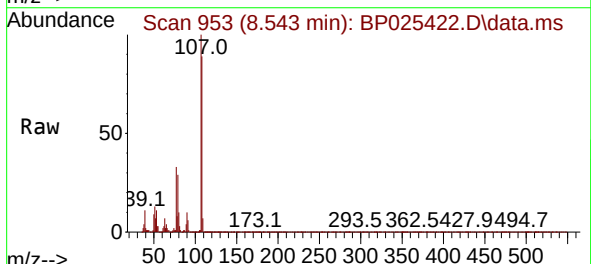
Ion	Ratio	Lower	Upper
70	100		
42	56.8	43.8	65.6
101	10.4	8.5	12.7
130	24.1	19.4	29.0

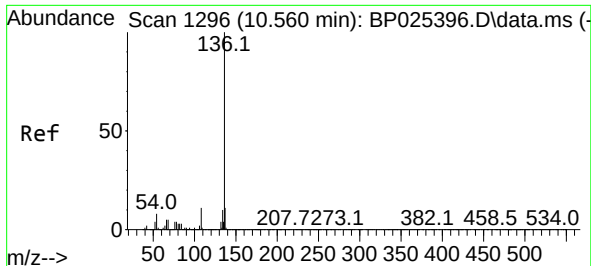


#20
3+4-Methylphenols
Concen: 39.561 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 107 Resp: 503552

Ion	Ratio	Lower	Upper
107	100		
108	89.5	66.3	106.3
77	33.4	12.3	52.3
79	28.8	7.8	47.8

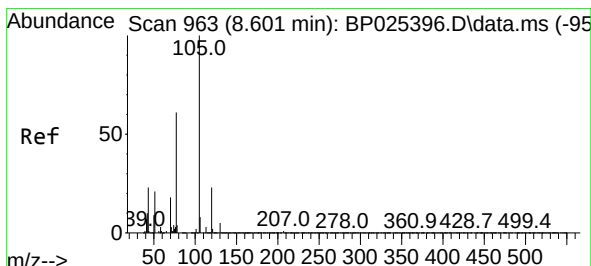
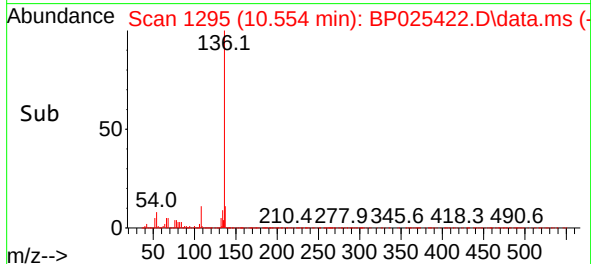
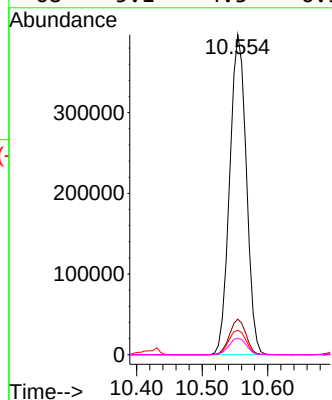
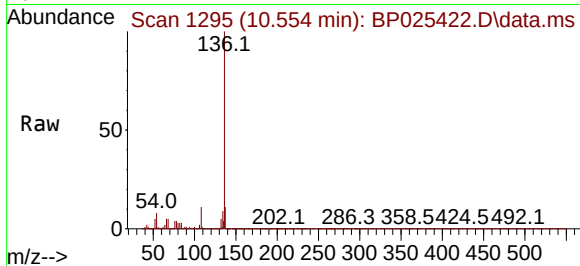




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

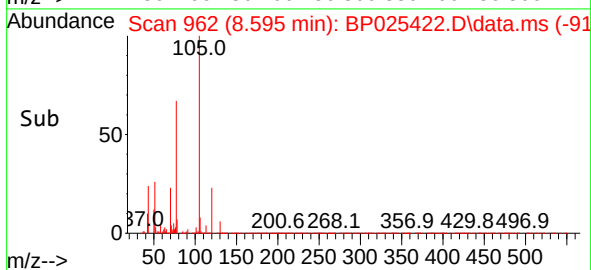
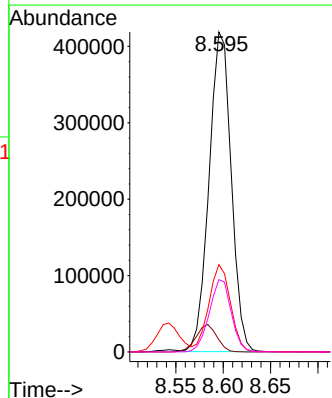
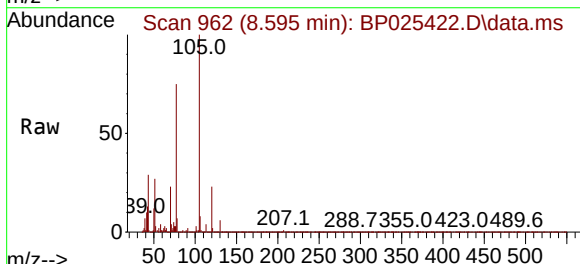
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

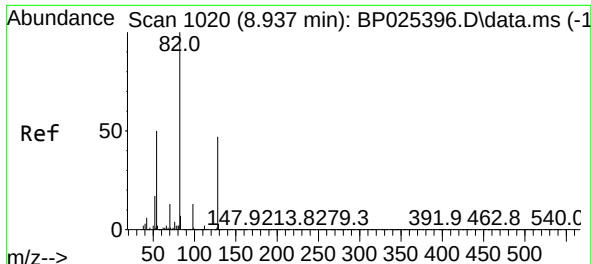
Tgt Ion:	136	Resp:	699113
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5



#22
Acetophenone
Concen: 38.792 ng
RT: 8.595 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:	105	Resp:	680116
Ion	Ratio	Lower	Upper
105	100		
71	3.8	2.6	4.0
51	27.3	20.6	30.8
120	22.6	18.6	27.8

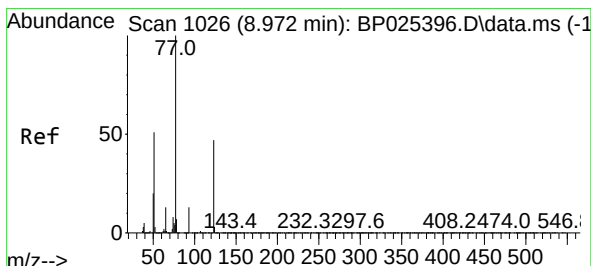
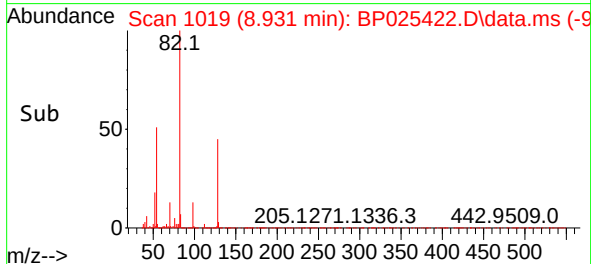
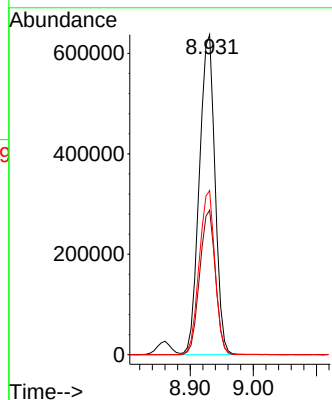
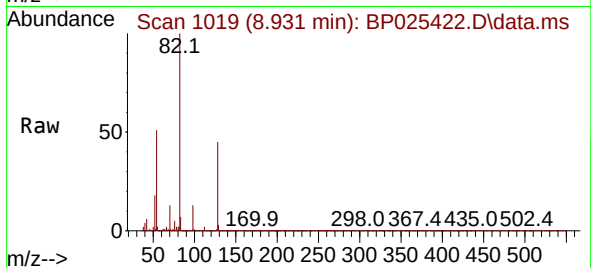




#23
Nitrobenzene-d5
Concen: 79.367 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

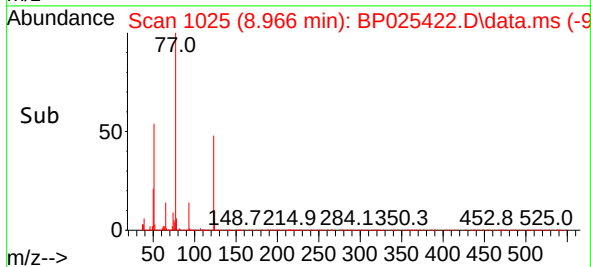
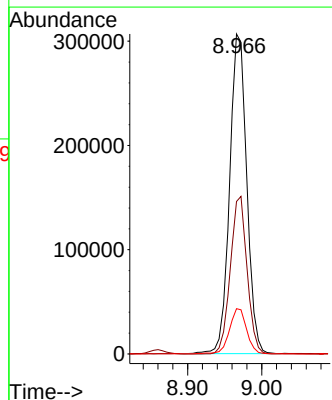
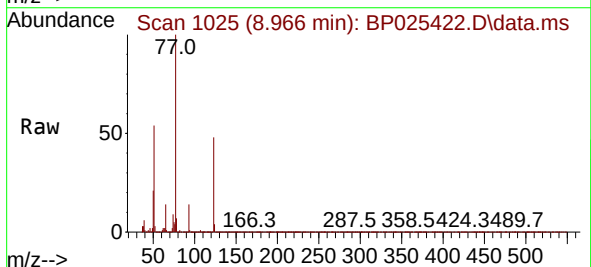
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

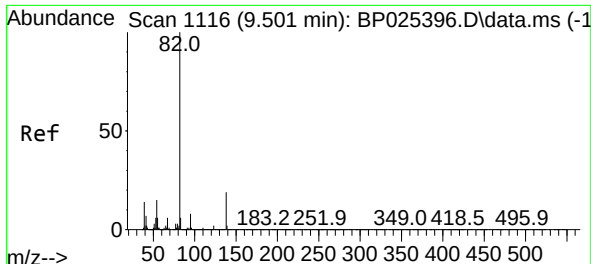
Tgt Ion: 82 Resp: 1096890
Ion Ratio Lower Upper
82 100
128 45.1 37.7 56.5
54 51.3 39.8 59.6



#24
Nitrobenzene
Concen: 39.805 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 77 Resp: 491654
Ion Ratio Lower Upper
77 100
123 47.7 38.6 58.0
65 14.2 10.6 15.8

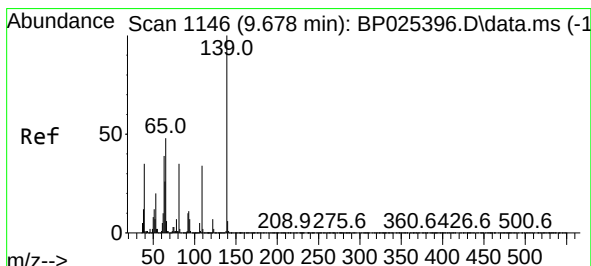
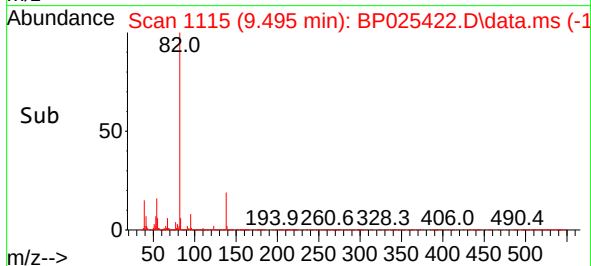
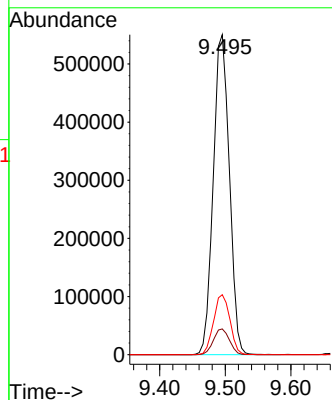
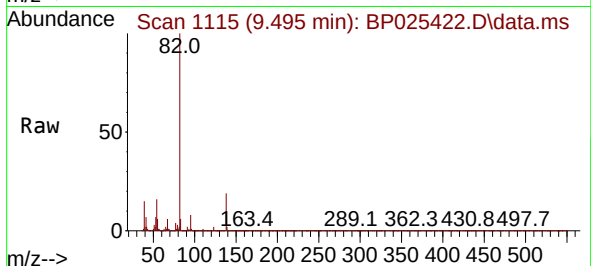




#25
Isophorone
Concen: 38.387 ng
RT: 9.495 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

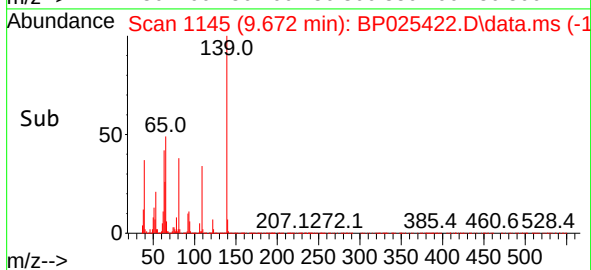
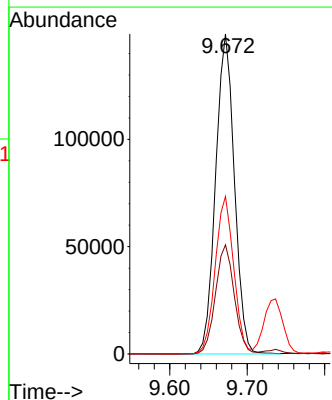
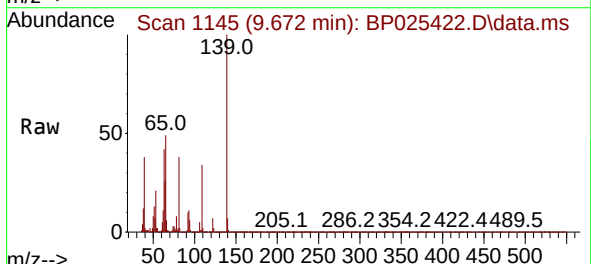
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

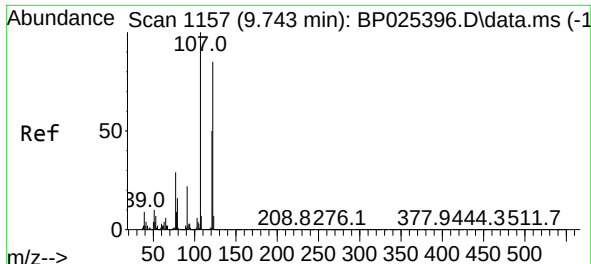
Tgt Ion:	82	Resp:	938896
Ion Ratio	Lower	Upper	
82	100		
95	8.0	6.4	9.6
138	18.8	15.4	23.0



#26
2-Nitrophenol
Concen: 39.458 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:	139	Resp:	250121
Ion Ratio	Lower	Upper	
139	100		
109	34.1	26.9	40.3
65	49.2	38.3	57.5





#27

2,4-Dimethylphenol

Concen: 39.018 ng

RT: 9.737 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

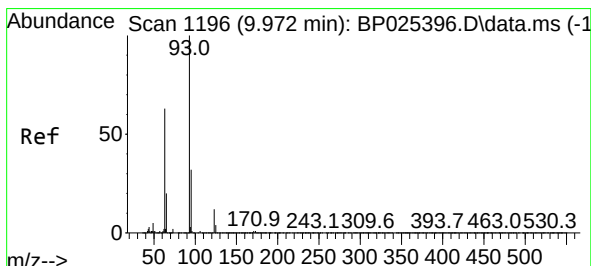
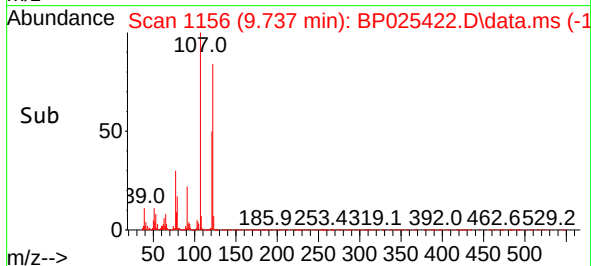
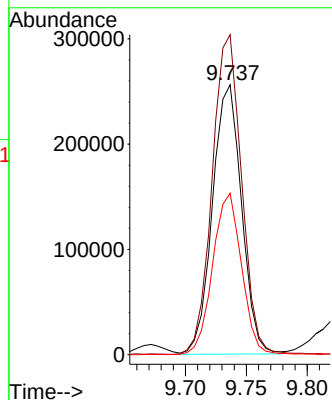
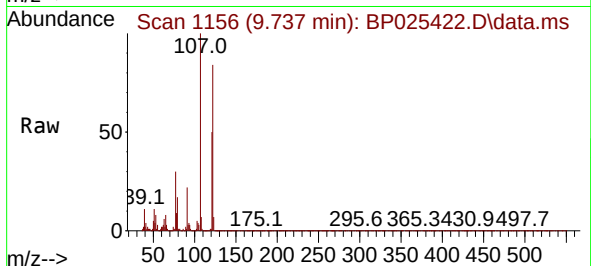
Tgt Ion:122 Resp: 425335

Ion Ratio Lower Upper

122 100

107 118.5 93.7 140.5

121 59.8 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 38.258 ng

RT: 9.960 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

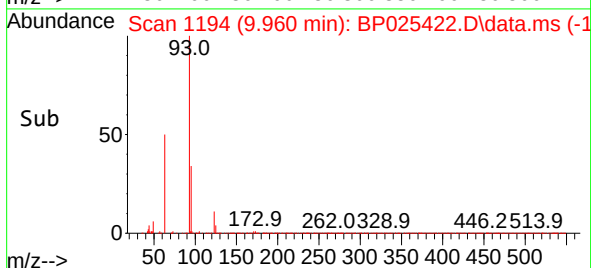
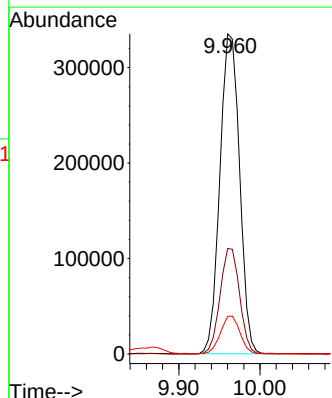
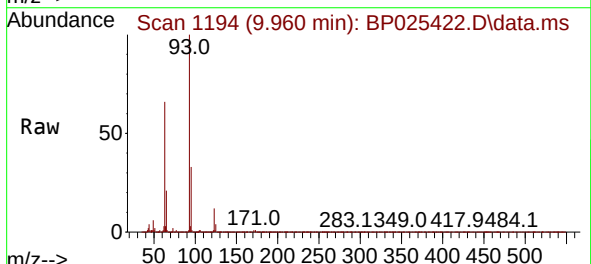
Tgt Ion: 93 Resp: 565633

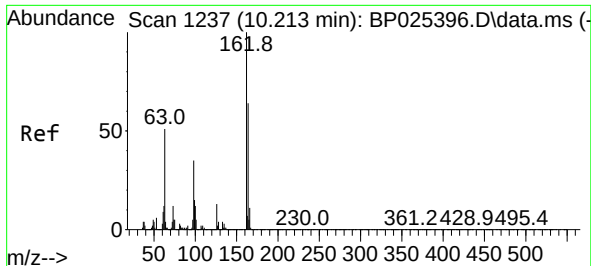
Ion Ratio Lower Upper

93 100

95 33.0 25.4 38.0

123 11.7 9.4 14.0

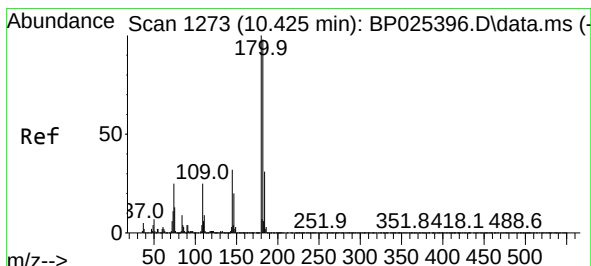
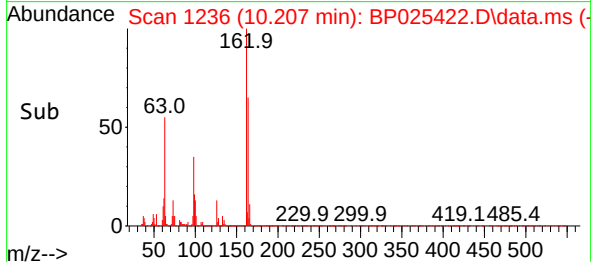
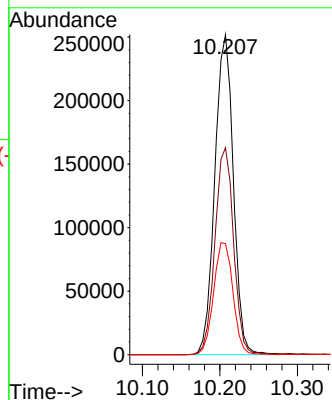
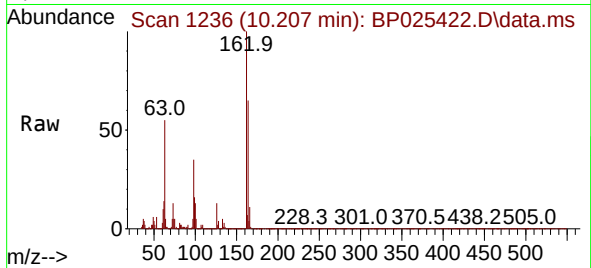




#29
2,4-Dichlorophenol
Concen: 38.724 ng
RT: 10.207 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

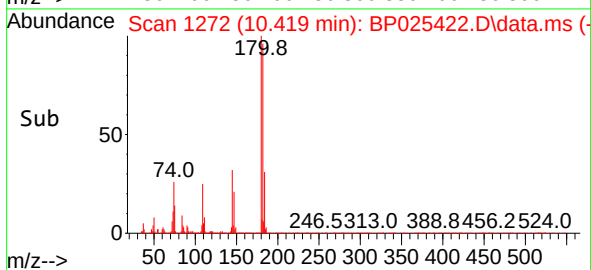
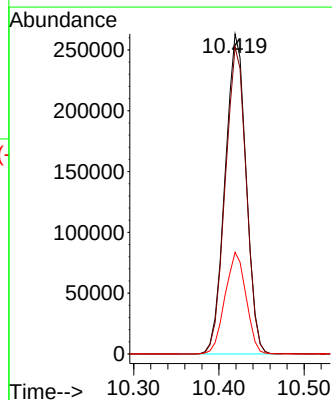
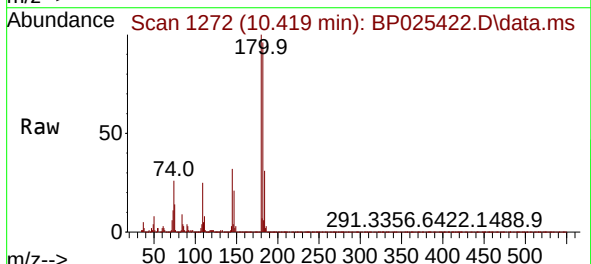
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

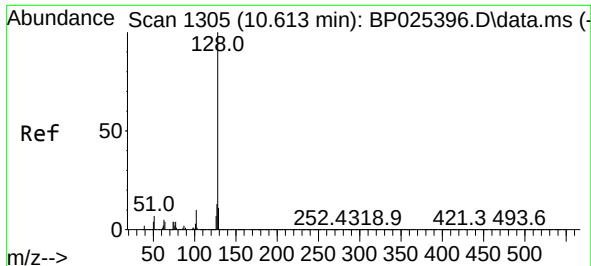
Tgt Ion:162 Resp: 419343
Ion Ratio Lower Upper
162 100
164 64.7 44.4 84.4
98 34.7 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 37.921 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:180 Resp: 450156
Ion Ratio Lower Upper
180 100
182 95.9 78.0 117.0
145 31.8 25.9 38.9

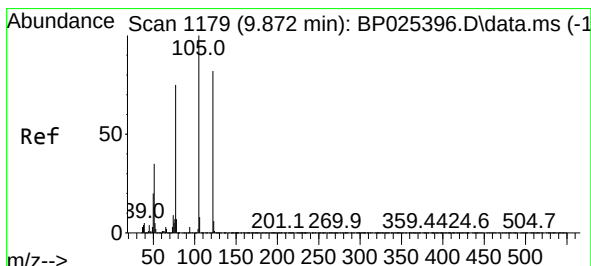
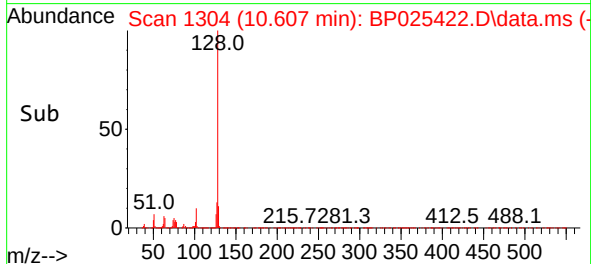
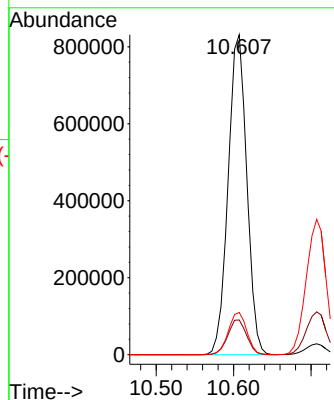
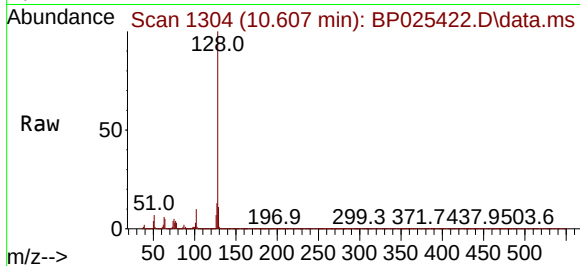




#31
Naphthalene
Concen: 38.324 ng
RT: 10.607 min Scan# 111
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

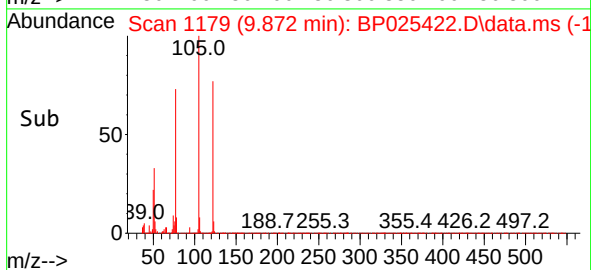
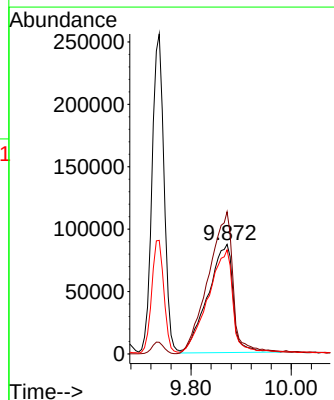
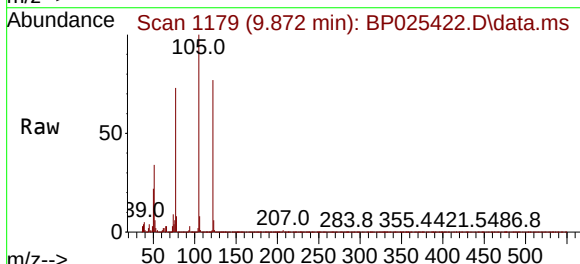
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

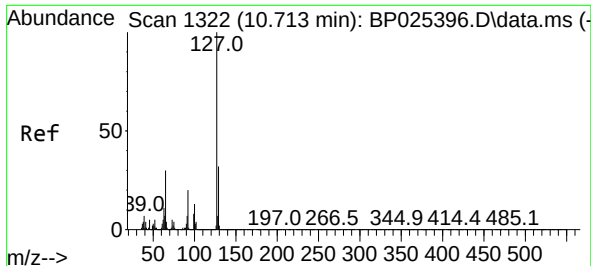
Tgt Ion:128 Resp: 1392577
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 37.734 ng
RT: 9.872 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:122 Resp: 303683
Ion Ratio Lower Upper
122 100
105 129.8 100.6 140.6
77 95.1 71.5 111.5

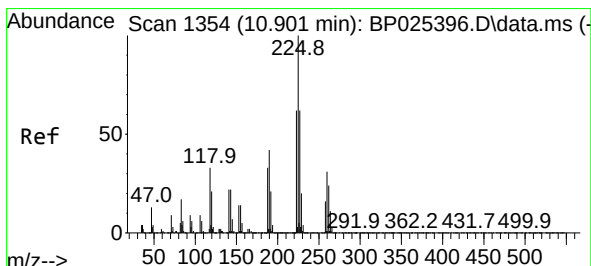
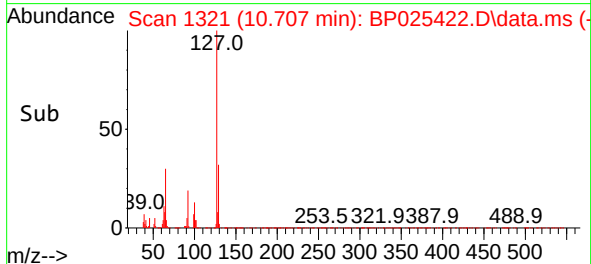
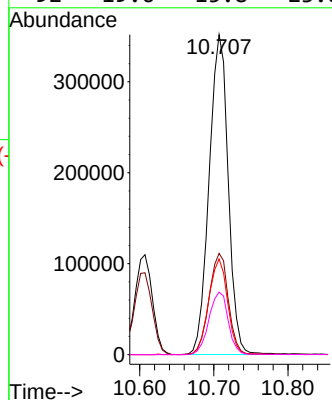
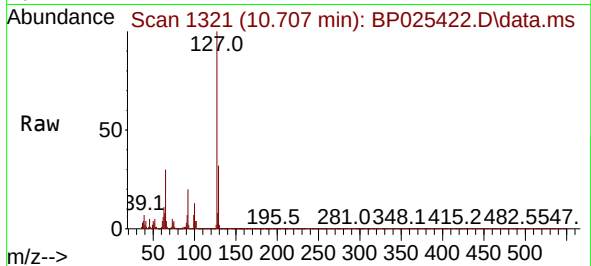




#33
4-Chloroaniline
Concen: 39.164 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

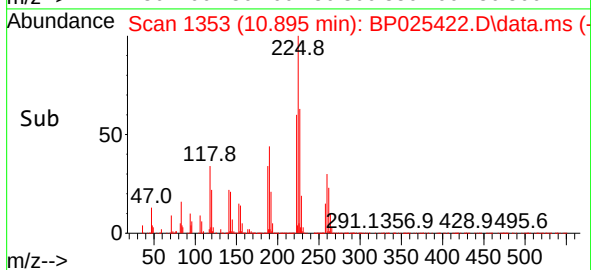
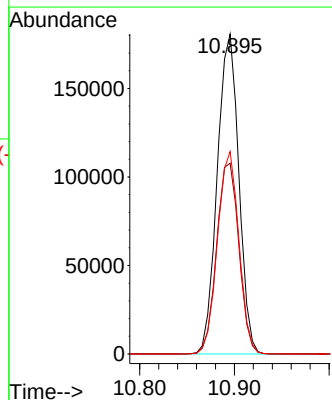
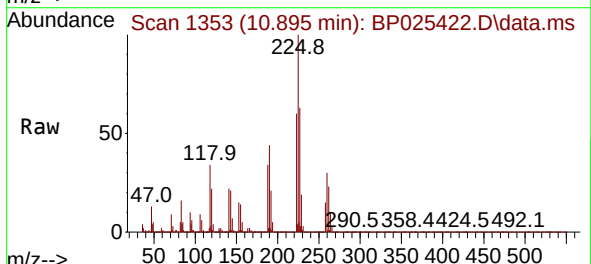
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

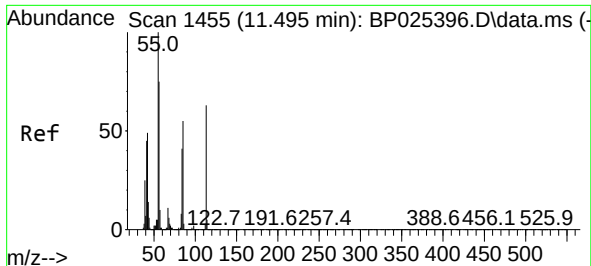
Tgt Ion:	127	Resp:	628608
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	29.9	23.8	35.6
92	19.6	15.8	23.8



#34
Hexachlorobutadiene
Concen: 38.652 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:	225	Resp:	285751
Ion	Ratio	Lower	Upper
225	100		
223	59.6	50.0	75.0
227	63.3	49.7	74.5

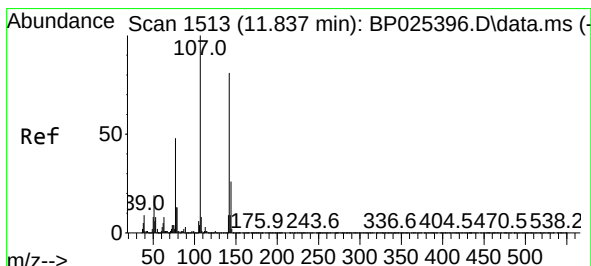
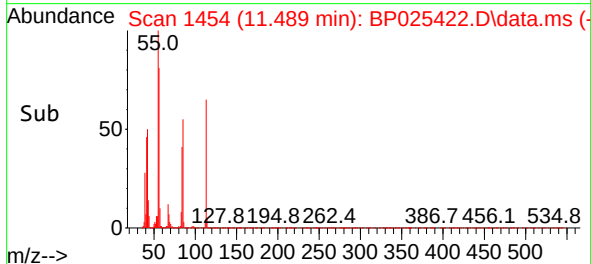
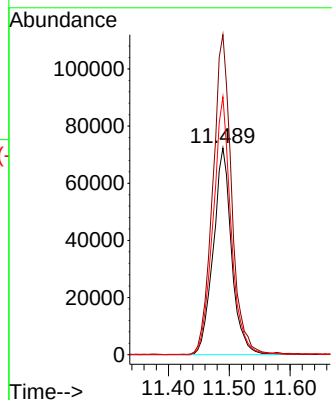
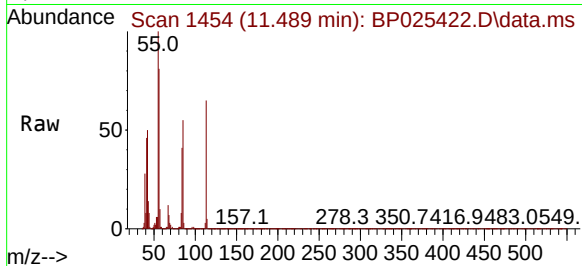




#35
Caprolactam
Concen: 37.951 ng
RT: 11.489 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

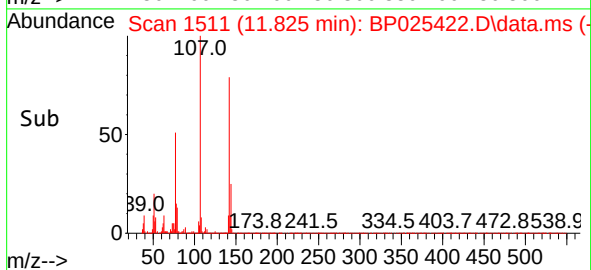
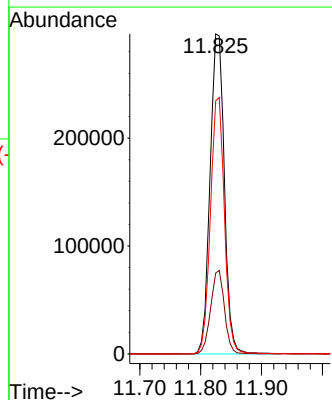
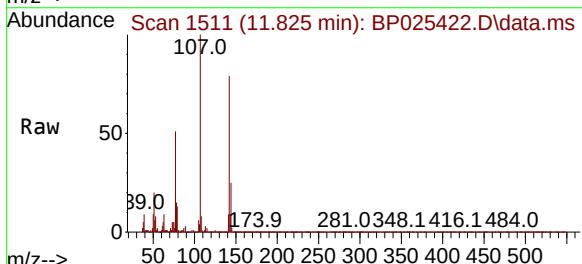
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

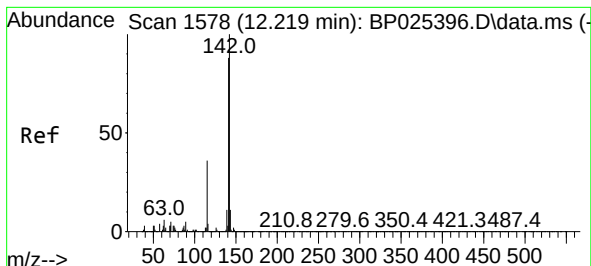
Tgt Ion:113 Resp: 150695
Ion Ratio Lower Upper
113 100
55 154.8 140.0 180.0
56 124.8 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 38.840 ng
RT: 11.825 min Scan# 1511
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:107 Resp: 482622
Ion Ratio Lower Upper
107 100
144 25.3 21.0 31.4
142 79.1 64.6 97.0

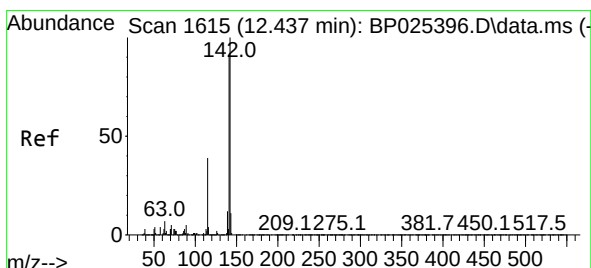
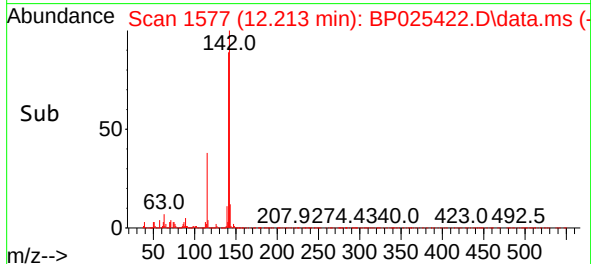
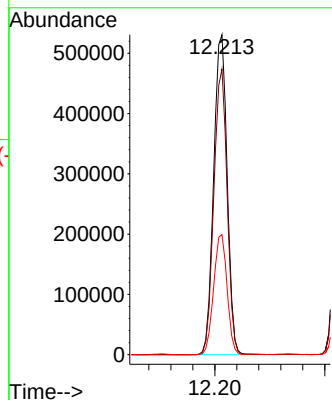
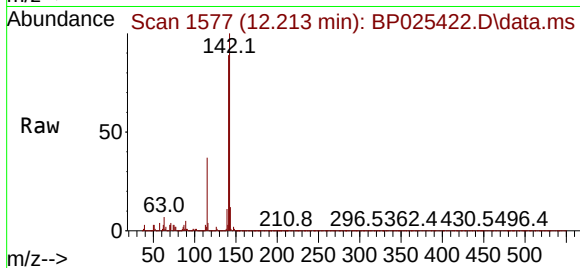




#37
2-Methylnaphthalene
Concen: 38.190 ng
RT: 12.213 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

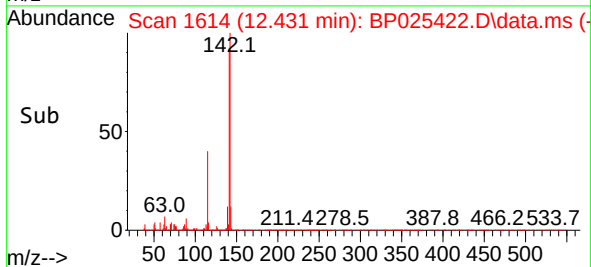
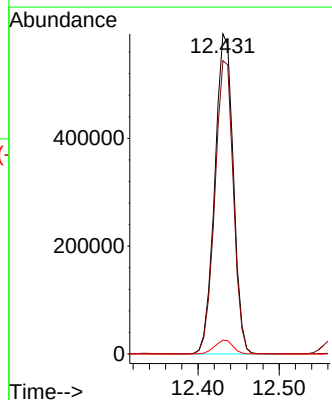
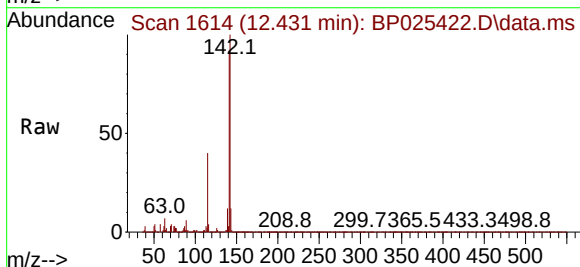
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

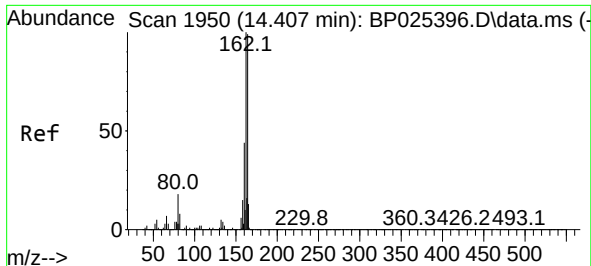
Tgt Ion:142 Resp: 903084
Ion Ratio Lower Upper
142 100
141 89.2 70.3 105.5
115 37.5 28.9 43.3



#38
1-Methylnaphthalene
Concen: 37.439 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:142 Resp: 941493
Ion Ratio Lower Upper
142 100
141 91.7 73.1 109.7
116 4.3 3.2 4.8

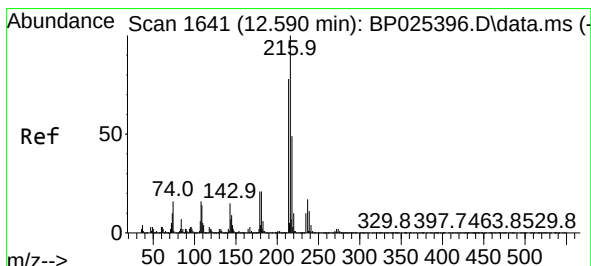
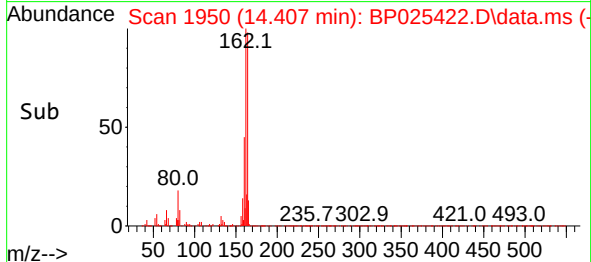
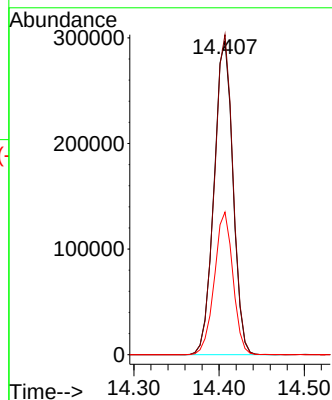
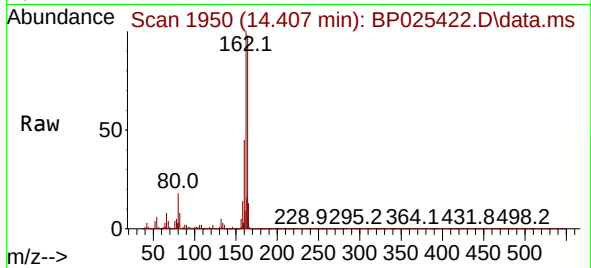




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

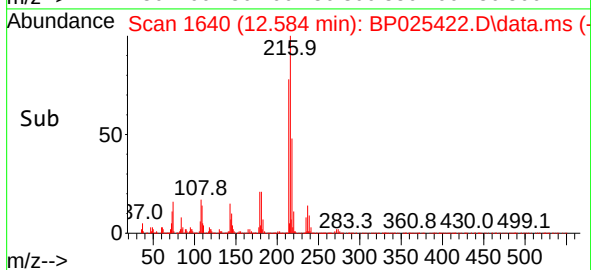
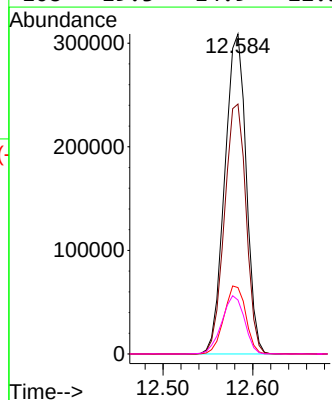
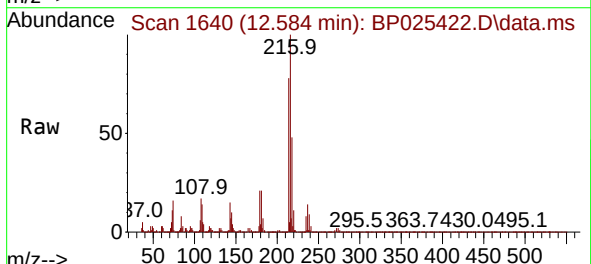
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

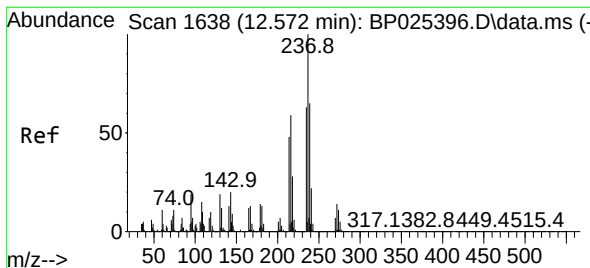
Tgt Ion:164 Resp: 458301
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.6
160 45.5 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.717 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:216 Resp: 512464
Ion Ratio Lower Upper
216 100
214 78.9 63.0 94.4
179 21.5 17.1 25.7
108 19.3 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 40.319 ng

RT: 12.566 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

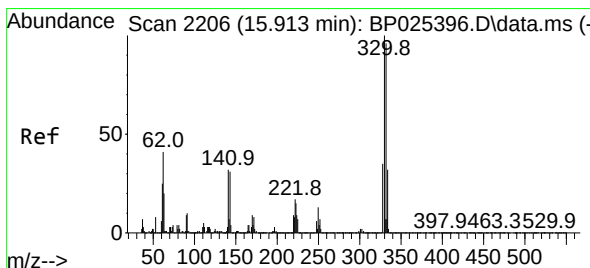
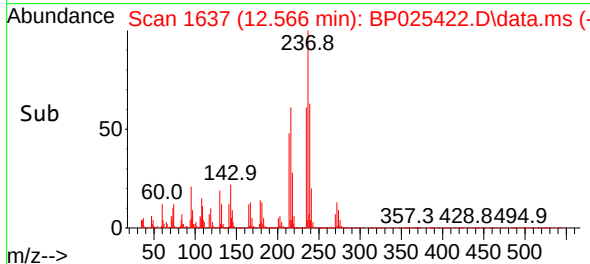
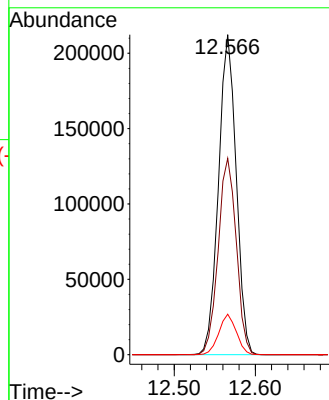
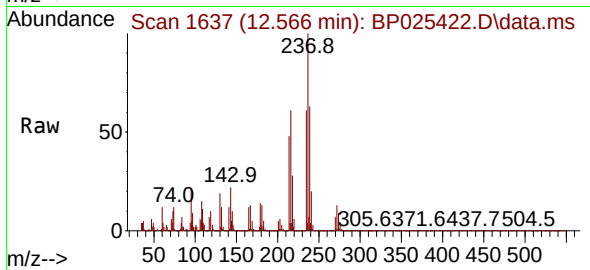
Tgt Ion:237 Resp: 322360

Ion Ratio Lower Upper

237 100

235 61.4 42.7 82.7

272 12.7 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 78.381 ng

RT: 15.913 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

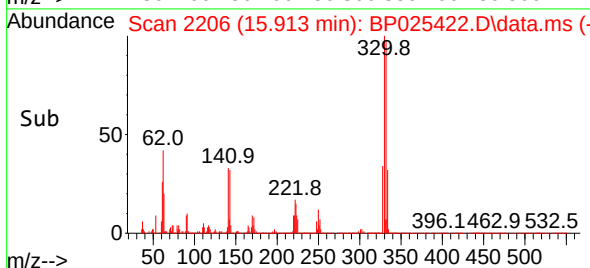
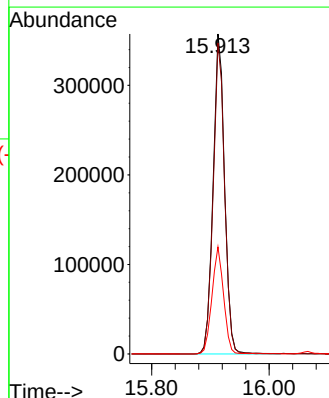
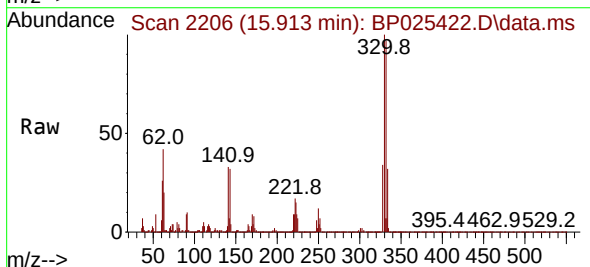
Tgt Ion:330 Resp: 483517

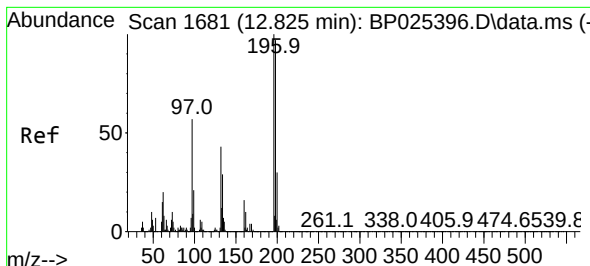
Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 34.0 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 39.291 ng

RT: 12.819 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

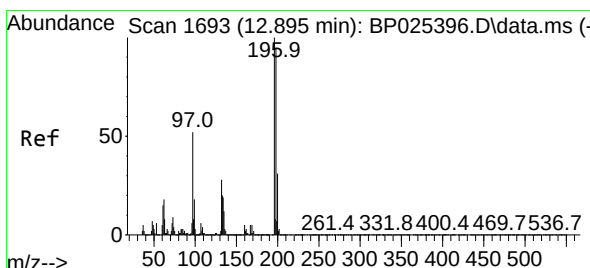
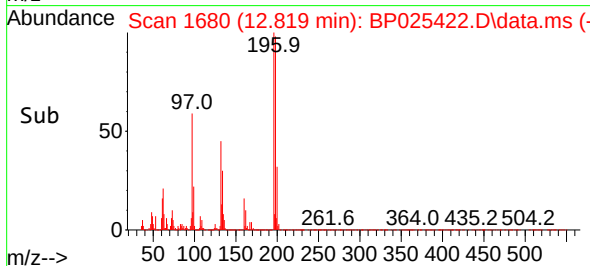
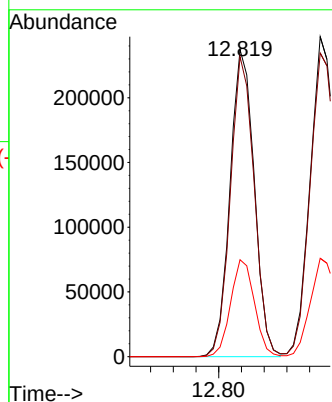
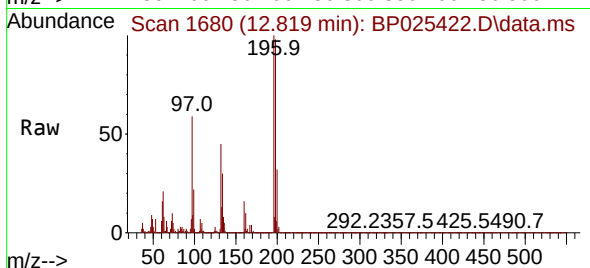
Tgt Ion:196 Resp: 351101

Ion Ratio Lower Upper

196 100

198 97.7 77.2 115.8

200 31.6 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 39.656 ng

RT: 12.889 min Scan# 1692

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Tgt Ion:196 Resp: 388369

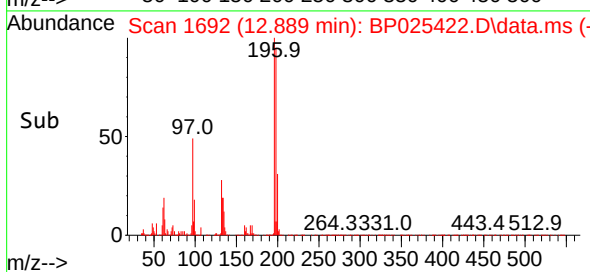
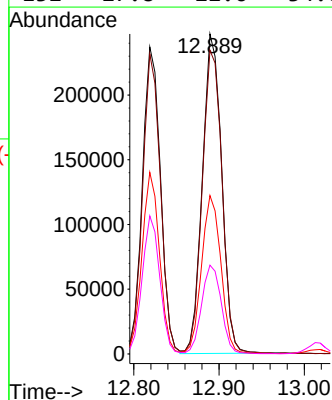
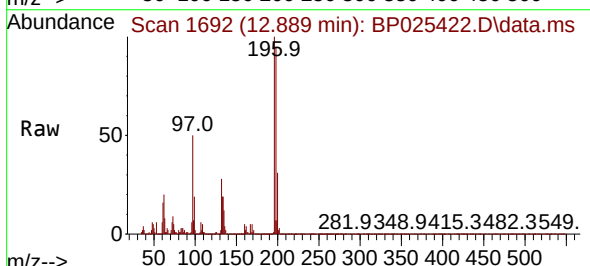
Ion Ratio Lower Upper

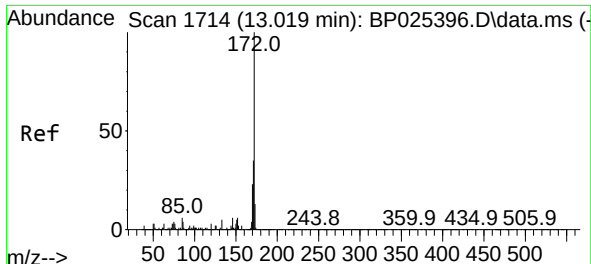
196 100

198 94.9 76.2 114.2

97 49.5 41.2 61.8

132 27.8 22.6 34.0

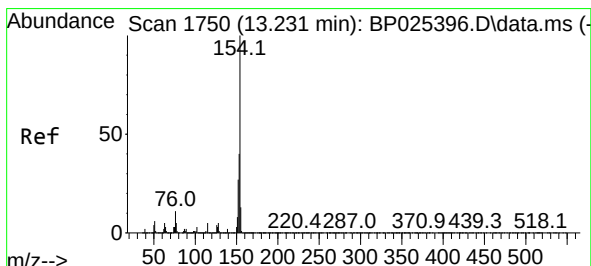
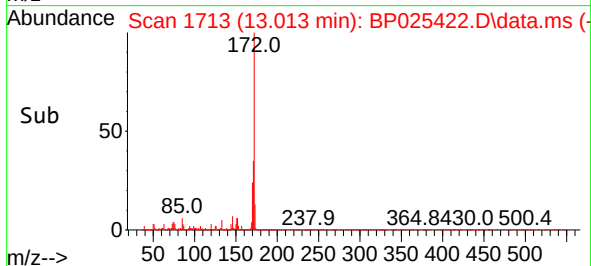
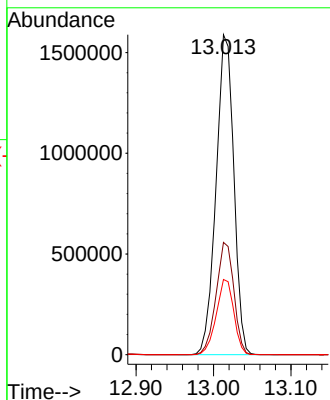
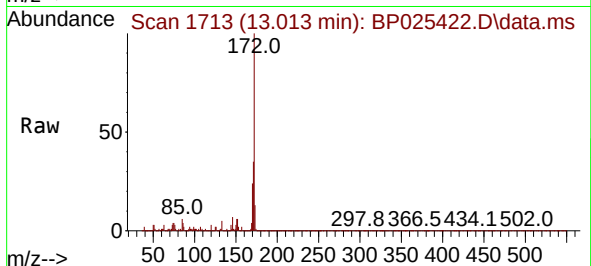




#45
2-Fluorobiphenyl
Concen: 75.449 ng
RT: 13.013 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

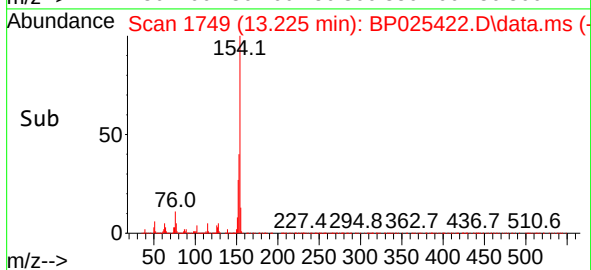
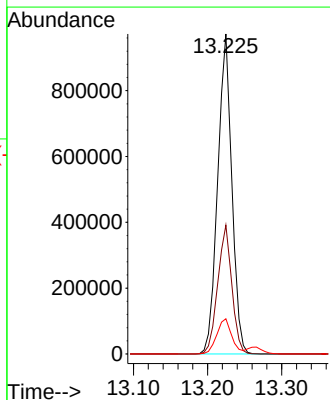
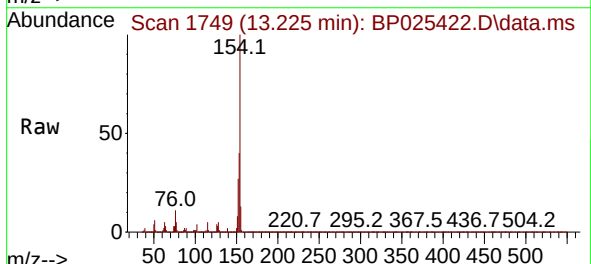
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

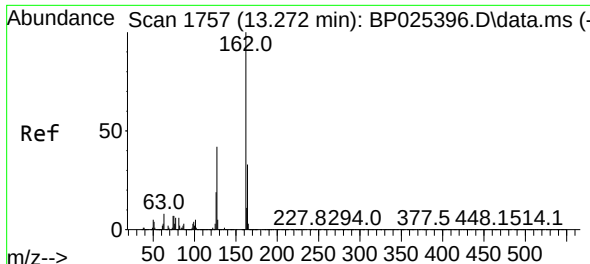
Tgt Ion:172 Resp: 2530106
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 38.672 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:154 Resp: 1287182
Ion Ratio Lower Upper
154 100
153 40.2 19.5 59.5
76 11.0 0.0 31.1





#47

2-Chloronaphthalene

Concen: 38.780 ng

RT: 13.266 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

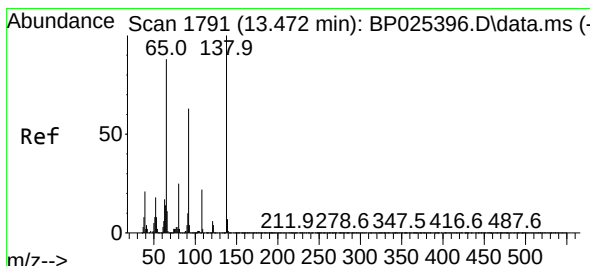
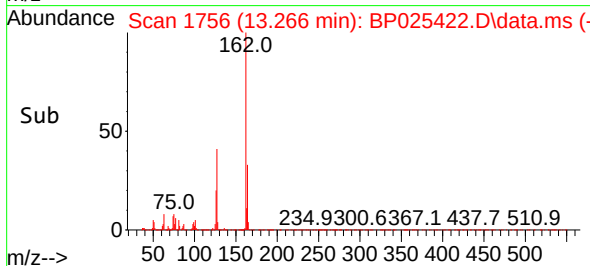
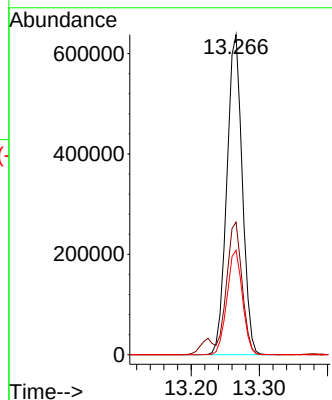
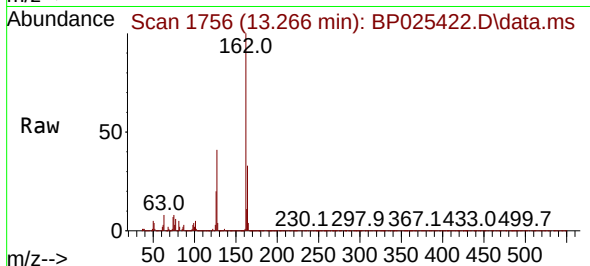
Tgt Ion:162 Resp: 1004850

Ion Ratio Lower Upper

162 100

127 41.4 33.4 50.2

164 32.6 26.2 39.2



#48

2-Nitroaniline

Concen: 40.910 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

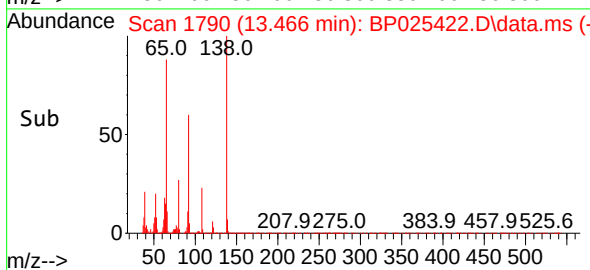
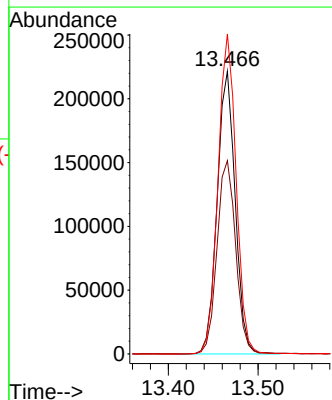
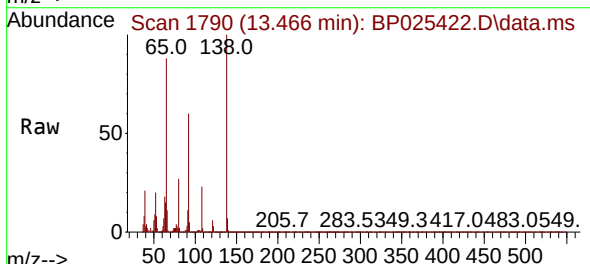
Tgt Ion: 65 Resp: 308875

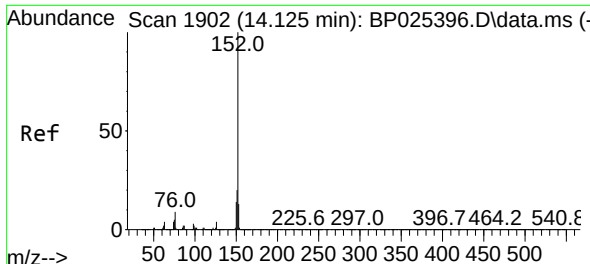
Ion Ratio Lower Upper

65 100

92 68.4 57.6 86.4

138 113.2 91.0 136.6

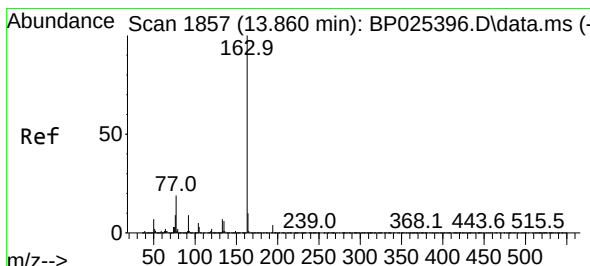
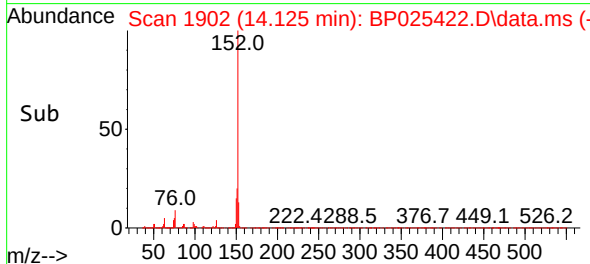
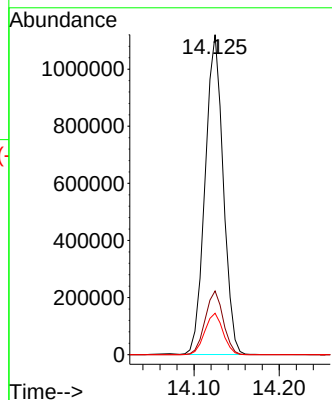
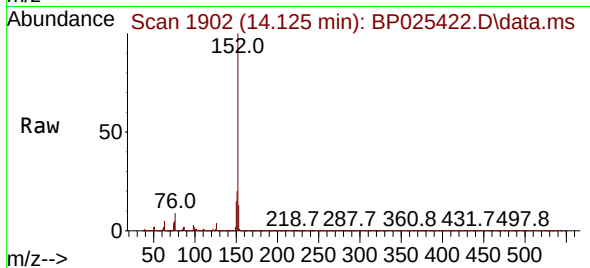




#49
Acenaphthylene
Concen: 38.457 ng
RT: 14.125 min Scan# 1902
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

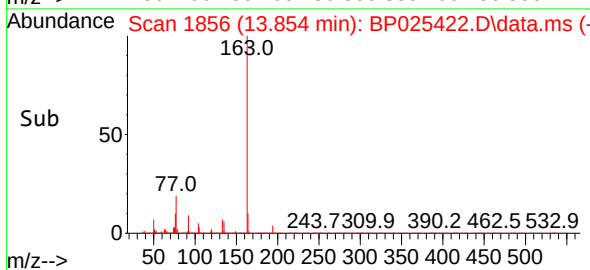
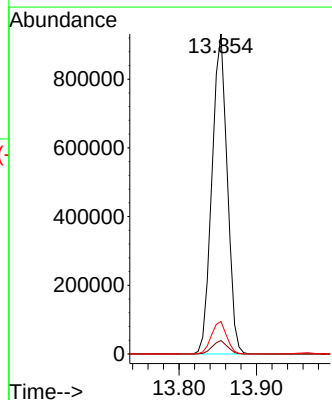
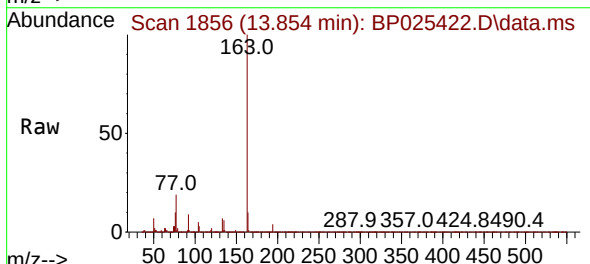
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

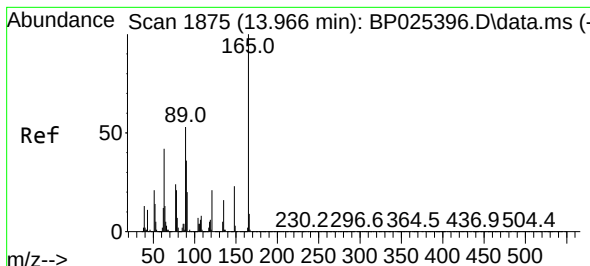
Tgt Ion:152 Resp: 1648885
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 12.9 10.6 15.8



#50
Dimethylphthalate
Concen: 38.040 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:163 Resp: 1276659
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.2 7.9 11.9

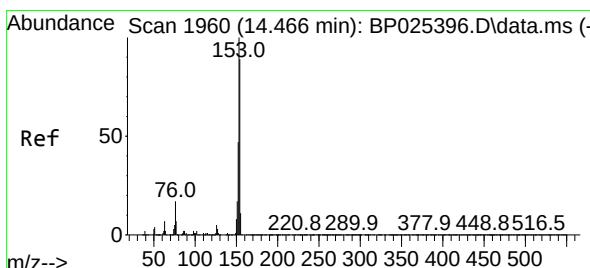
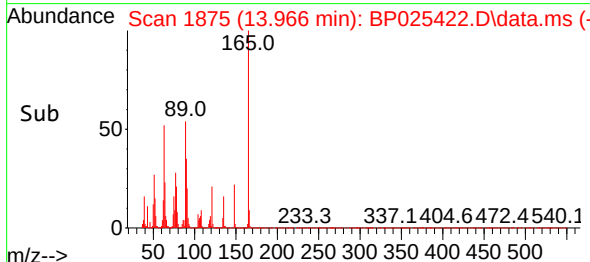
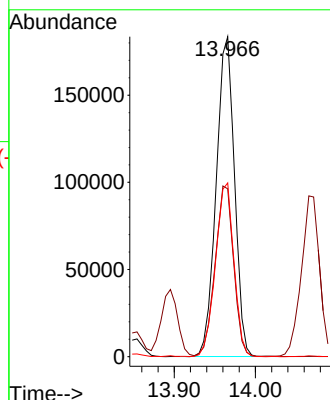
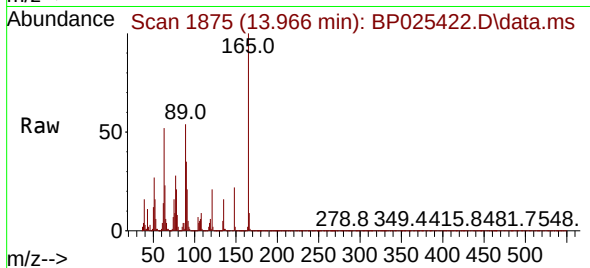




#51
2,6-Dinitrotoluene
Concen: 40.628 ng
RT: 13.966 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

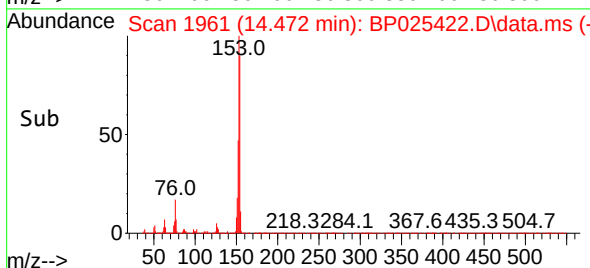
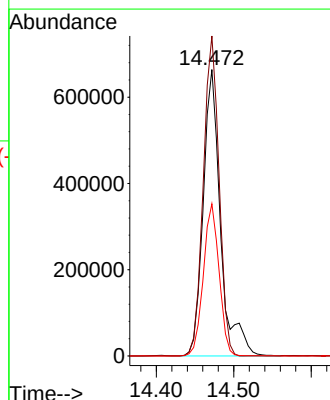
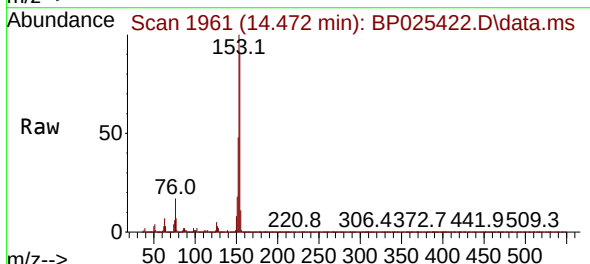
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

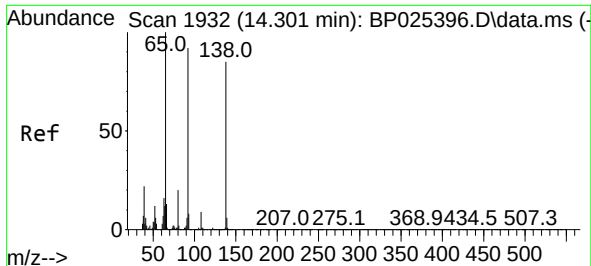
Tgt Ion:165 Resp: 287385
Ion Ratio Lower Upper
165 100
63 52.5 40.9 61.3
89 54.3 42.1 63.1



#52
Acenaphthene
Concen: 41.057 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:154 Resp: 1033308
Ion Ratio Lower Upper
154 100
153 111.7 90.2 135.2
152 53.1 42.1 63.1

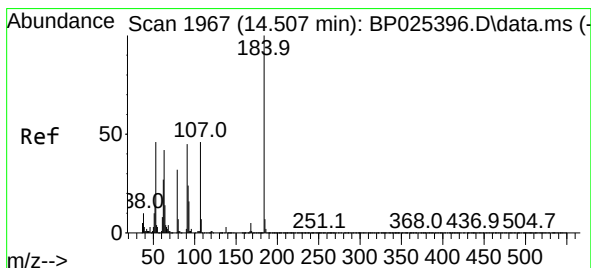
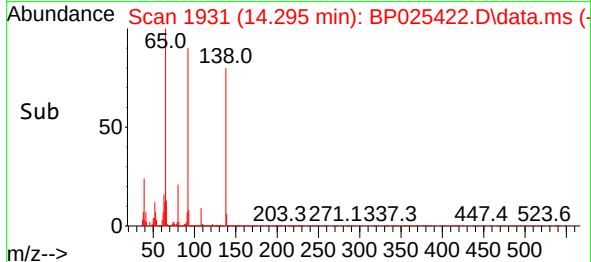
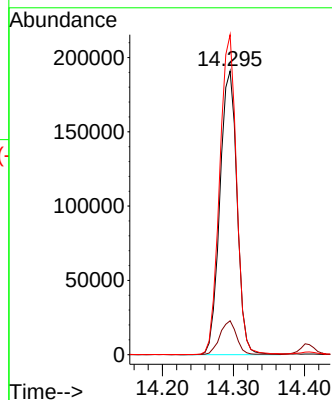
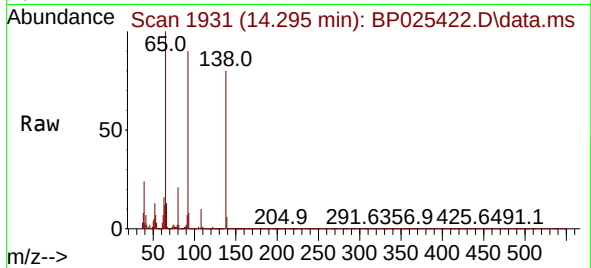




#53
3-Nitroaniline
Concen: 40.043 ng
RT: 14.295 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

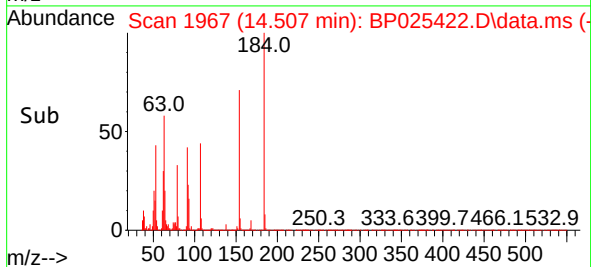
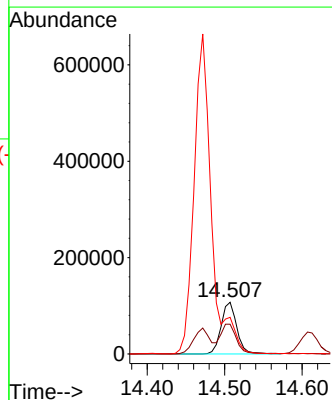
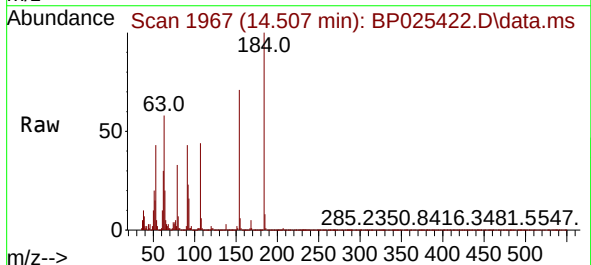
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

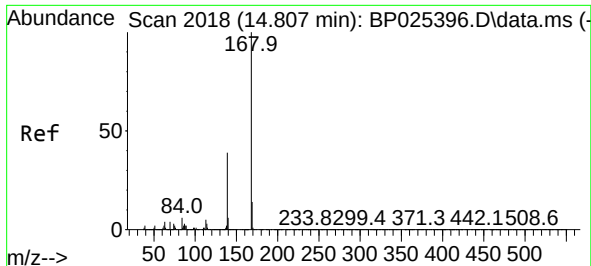
Tgt Ion:138 Resp: 318681
Ion Ratio Lower Upper
138 100
108 11.9 8.3 12.5
92 112.8 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 39.794 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:184 Resp: 150322
Ion Ratio Lower Upper
184 100
63 57.7 49.4 74.2
154 70.9 54.6 82.0

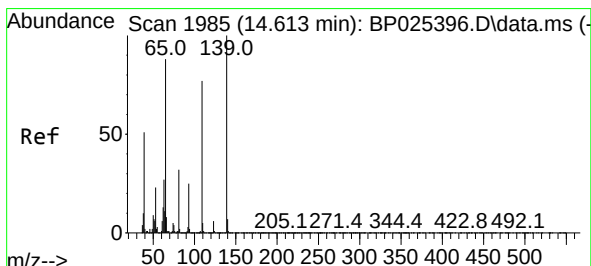
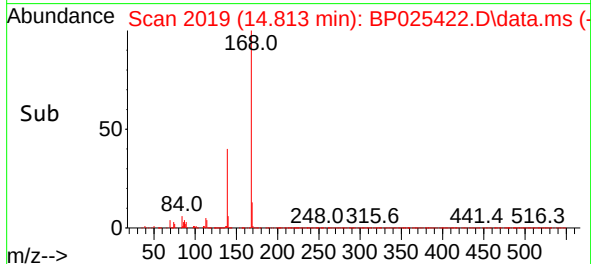
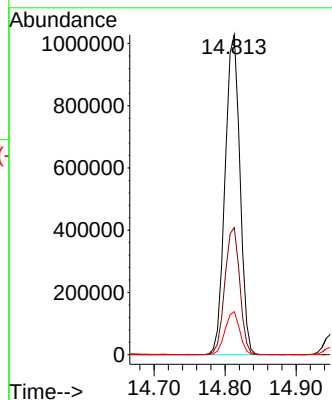
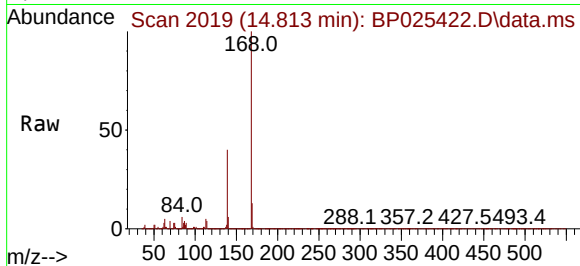




#55
Dibenzenofuran
Concen: 37.495 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

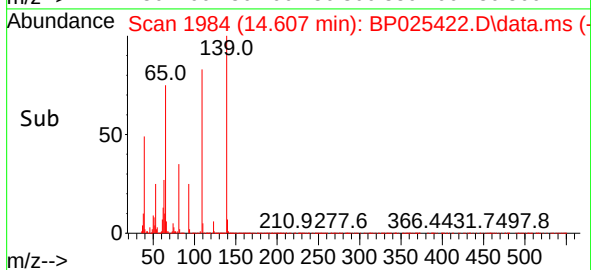
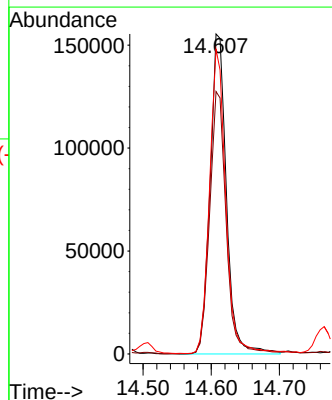
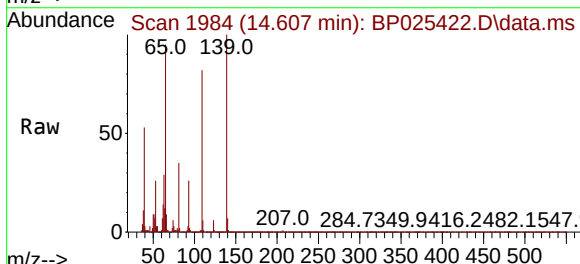
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

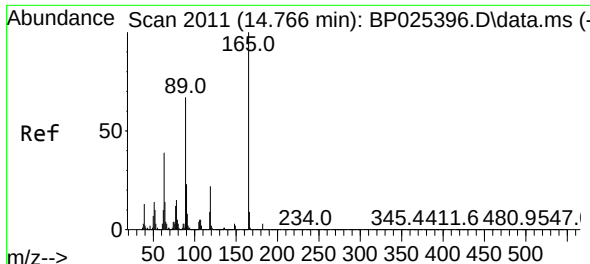
Tgt Ion:168 Resp: 1491927
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 39.771 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:139 Resp: 260098
Ion Ratio Lower Upper
139 100
109 82.0 56.6 96.6
65 95.2 68.2 108.2

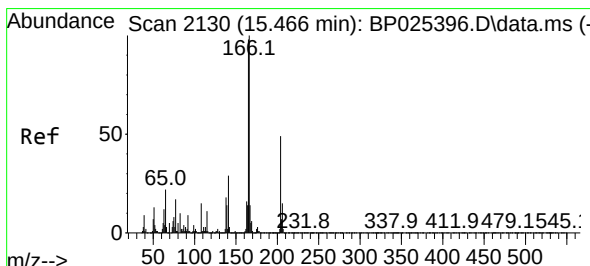
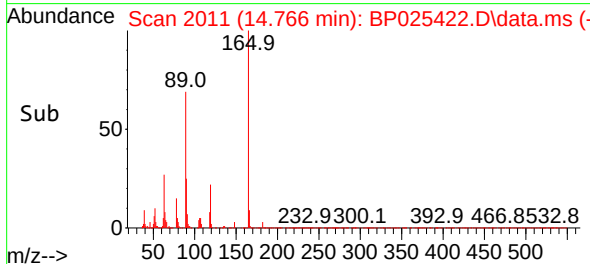
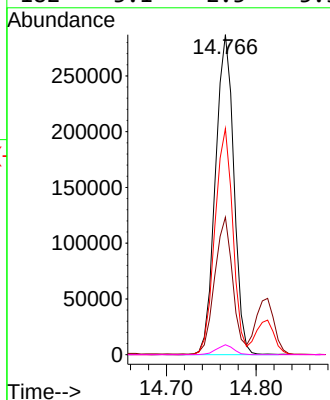
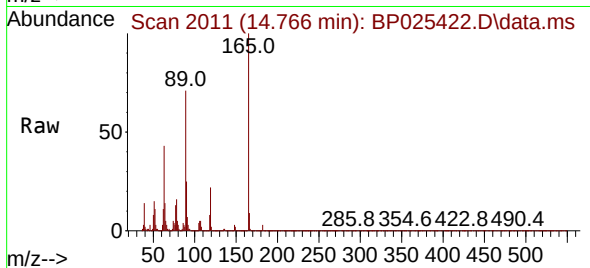




#57
2,4-Dinitrotoluene
Concen: 40.518 ng
RT: 14.766 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

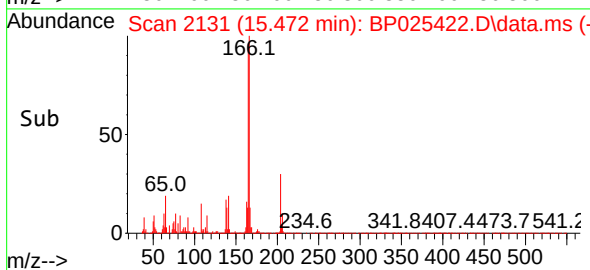
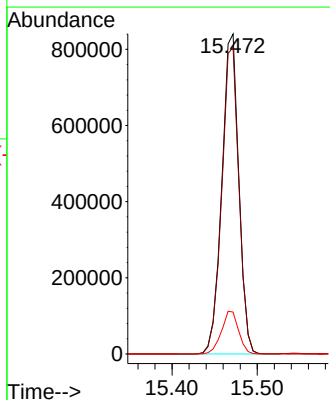
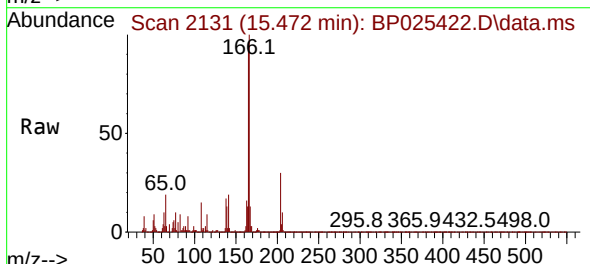
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

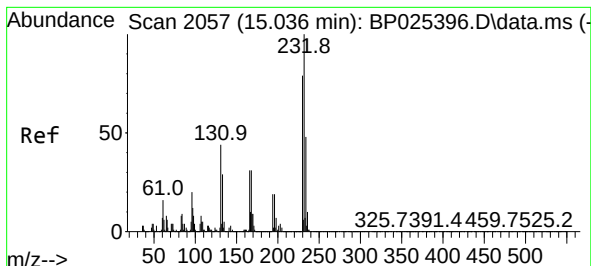
Tgt Ion:	165	Resp:	408919
Ion	Ratio	Lower	Upper
165	100		
63	43.0	31.4	47.2
89	70.7	53.3	79.9
182	3.1	2.3	3.5



#58
Fluorene
Concen: 37.121 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:	166	Resp:	1165482
Ion	Ratio	Lower	Upper
166	100		
165	95.8	78.8	118.2
167	13.1	11.0	16.4



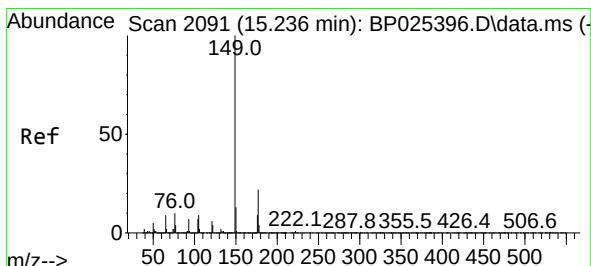
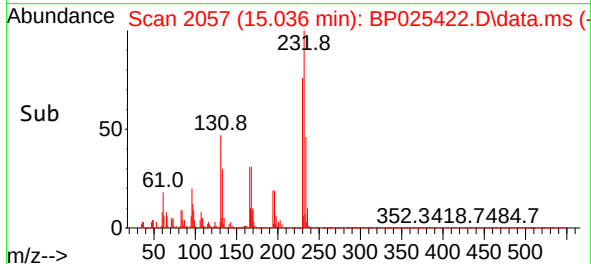
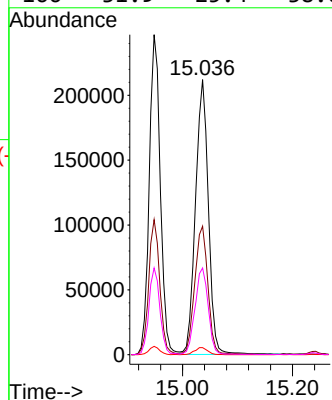
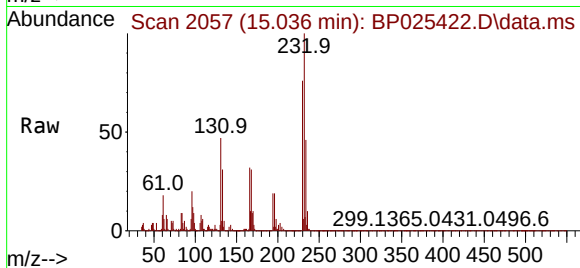


#59
2,3,4,6-Tetrachlorophenol
Concen: 39.927 ng
RT: 15.036 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 345273

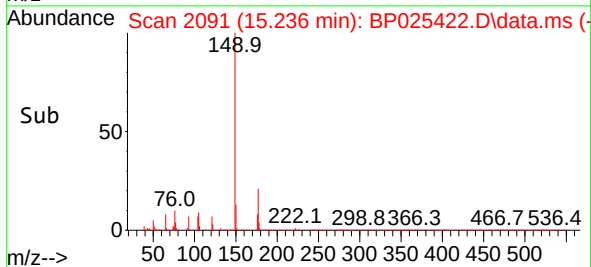
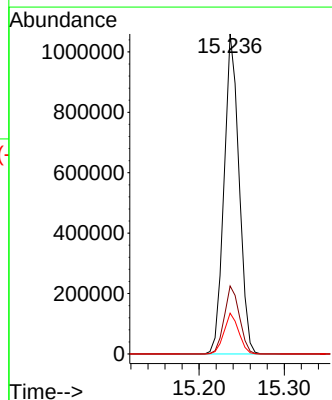
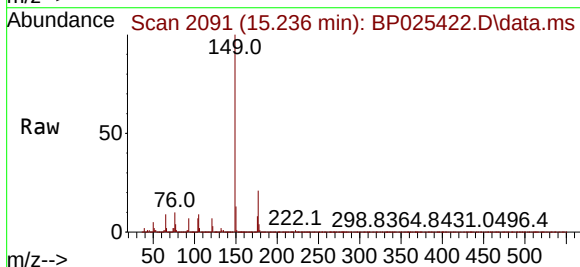
Ion	Ratio	Lower	Upper
232	100		
131	47.6	37.0	55.6
130	2.6	1.9	2.9
166	31.9	25.4	38.0

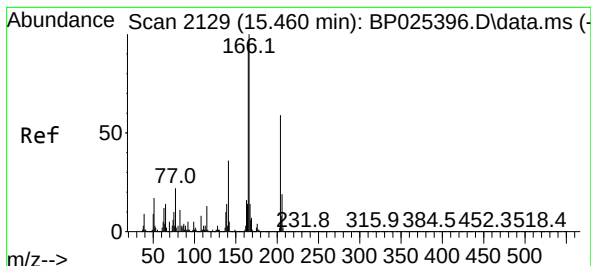


#60
Diethylphthalate
Concen: 38.058 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1297841

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.8	10.3	15.5

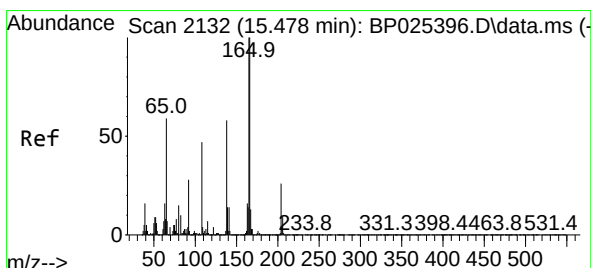
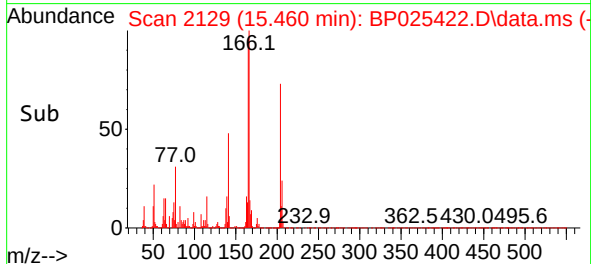
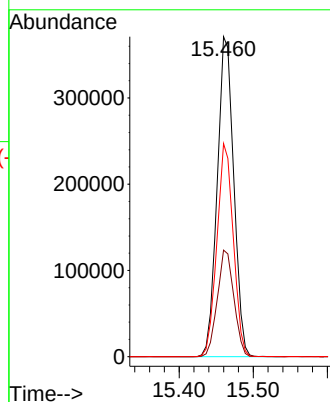
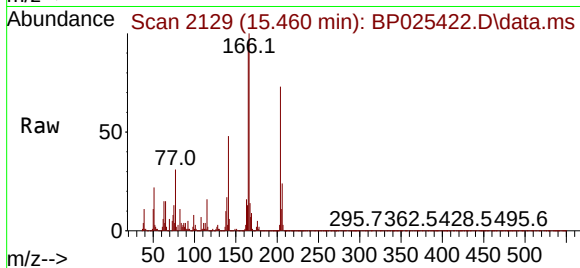




#61
4-Chlorophenyl-phenylether
Concen: 36.845 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

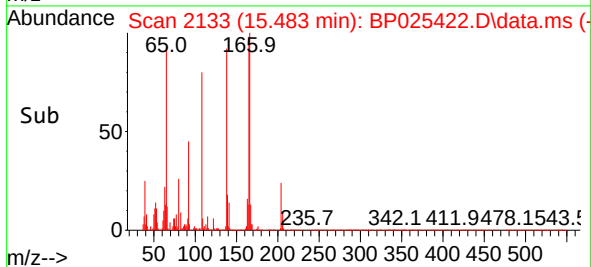
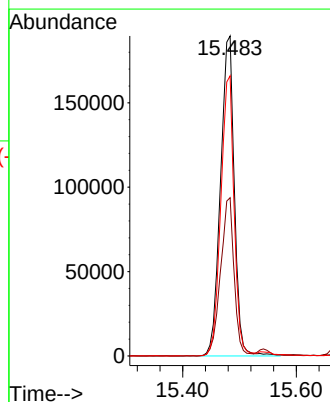
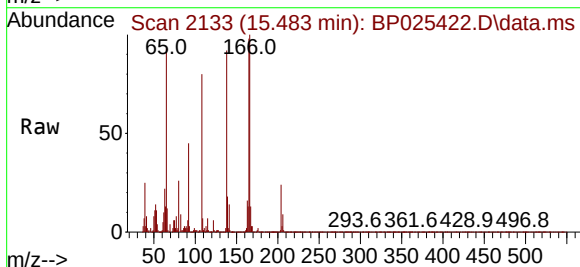
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

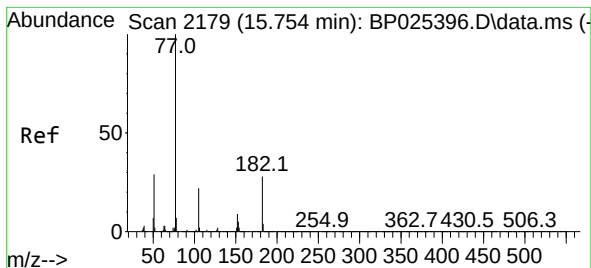
Tgt Ion:204 Resp: 575339
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.8
141 66.6 49.4 74.2



#62
4-Nitroaniline
Concen: 39.397 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:138 Resp: 321438
Ion Ratio Lower Upper
138 100
92 49.4 29.1 69.1
108 87.5 61.5 101.5



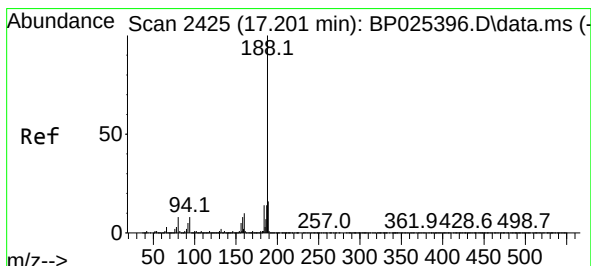
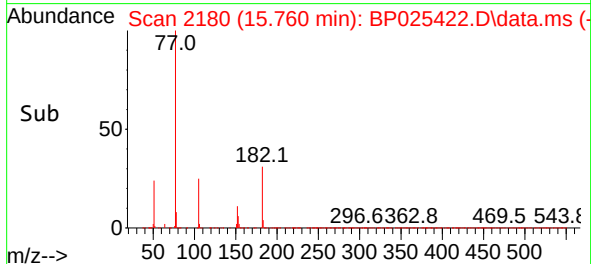
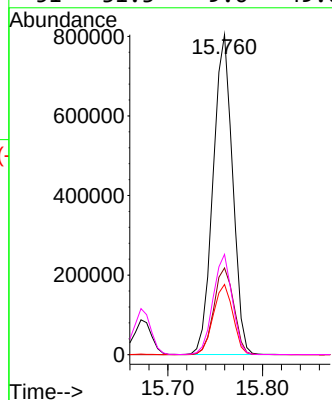
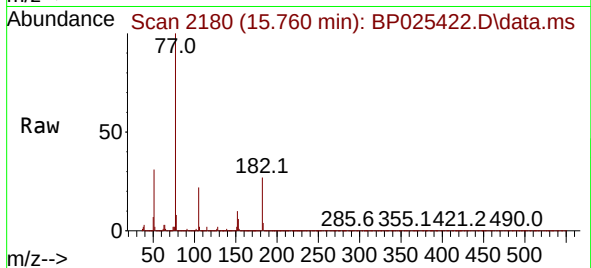


#63
Azobenzene
Concen: 39.282 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1147009

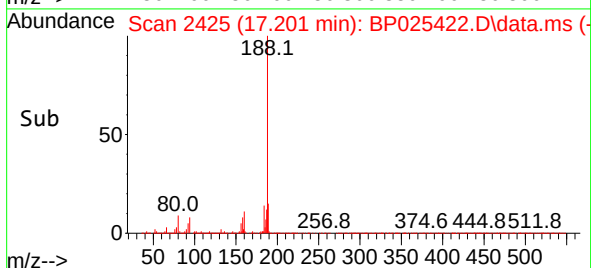
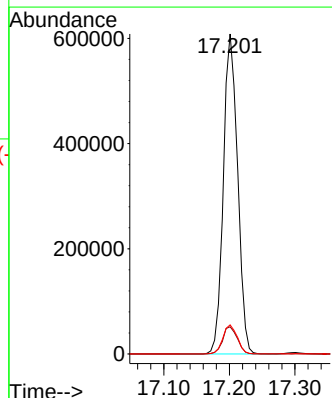
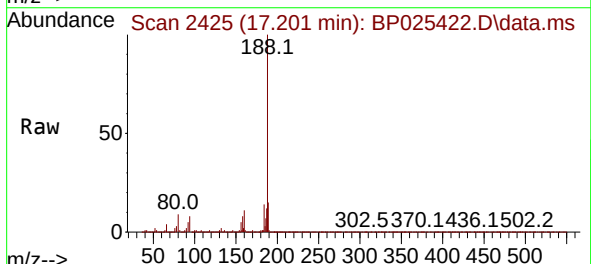
Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.5	47.5
105	22.0	2.1	42.1
51	31.3	9.6	49.6

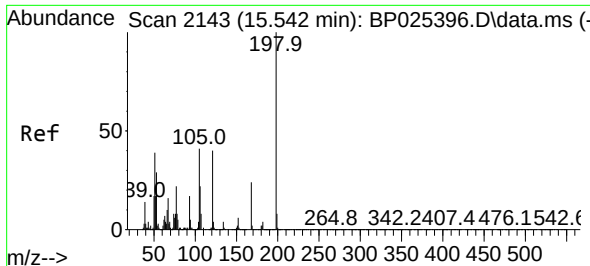


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 188 Resp: 913689

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.1	6.7	10.1

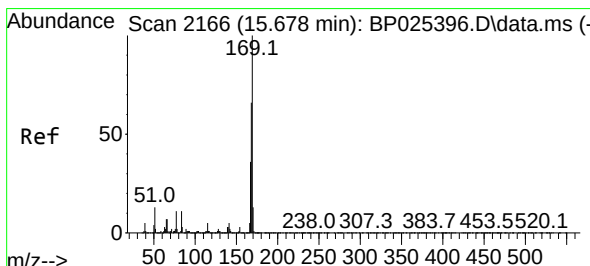
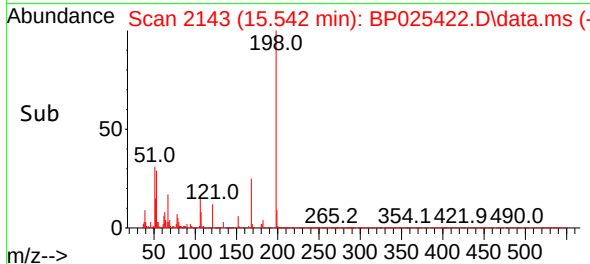
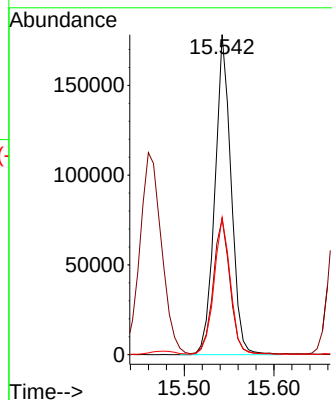
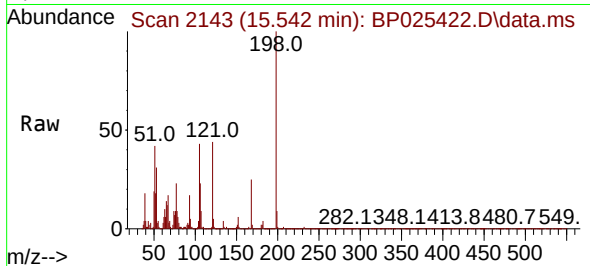




#65
4,6-Dinitro-2-methylphenol
Concen: 39.253 ng
RT: 15.542 min Scan# 2143
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

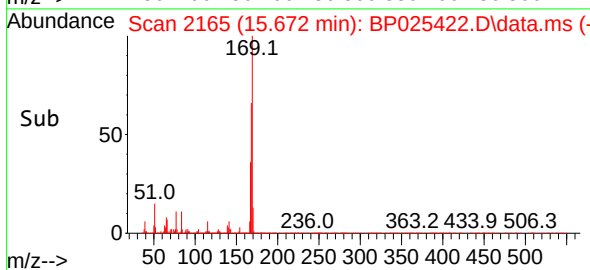
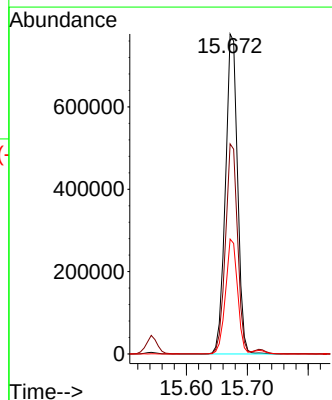
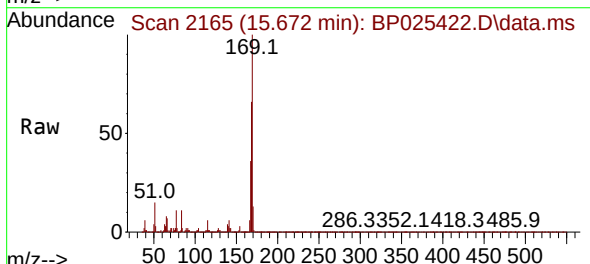
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

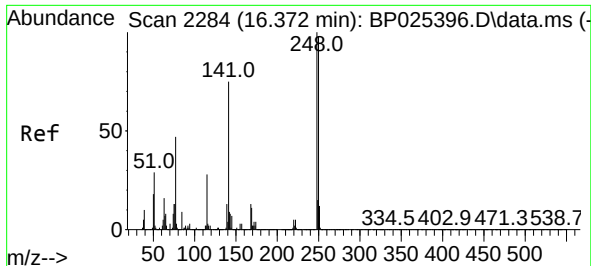
Tgt Ion:198 Resp: 223566
Ion Ratio Lower Upper
198 100
51 42.4 19.6 59.6
105 42.9 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 38.519 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:169 Resp: 1073233
Ion Ratio Lower Upper
169 100
168 65.7 53.2 79.8
167 35.9 28.7 43.1

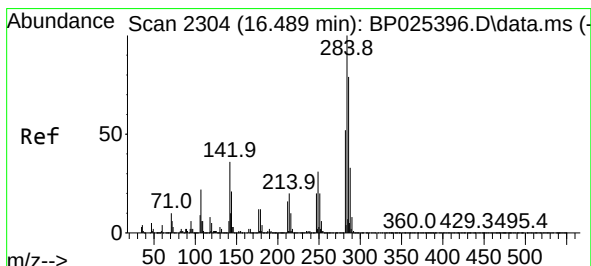
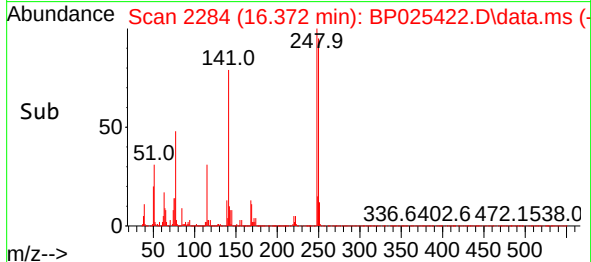
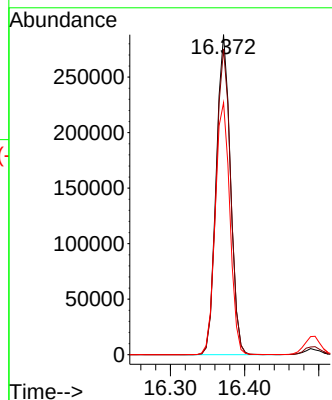
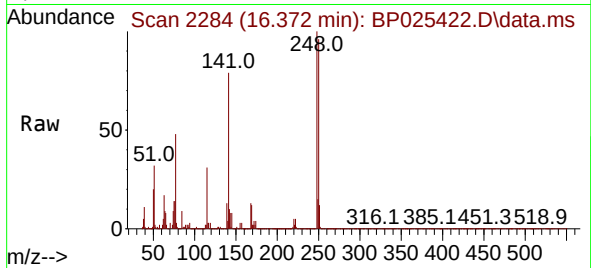




#67
4-Bromophenyl-phenylether
Concen: 38.195 ng
RT: 16.372 min Scan# 211
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

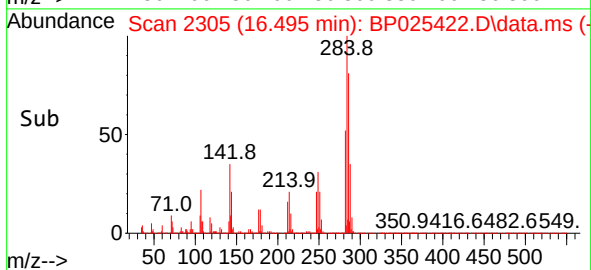
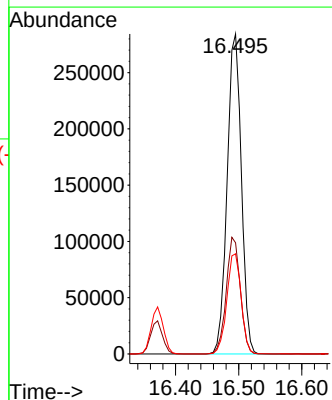
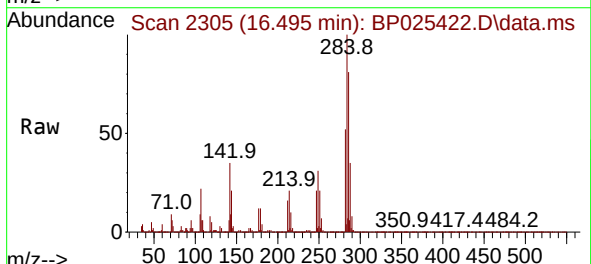
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

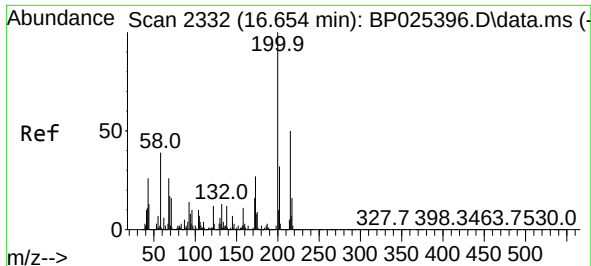
Tgt Ion:248 Resp: 383814
Ion Ratio Lower Upper
248 100
250 95.5 78.2 117.2
141 78.8 59.6 89.4



#68
Hexachlorobenzene
Concen: 37.966 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:284 Resp: 442250
Ion Ratio Lower Upper
284 100
142 34.8 29.1 43.7
249 31.3 25.0 37.4

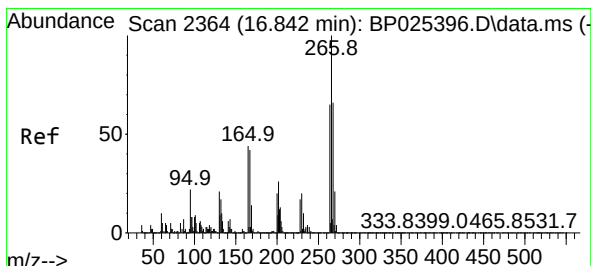
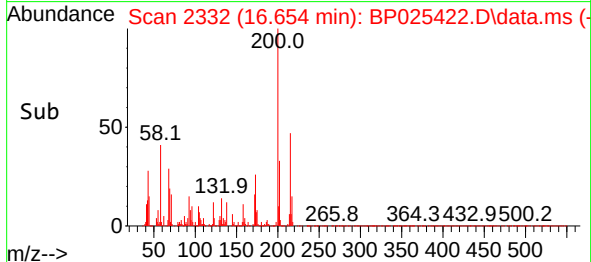
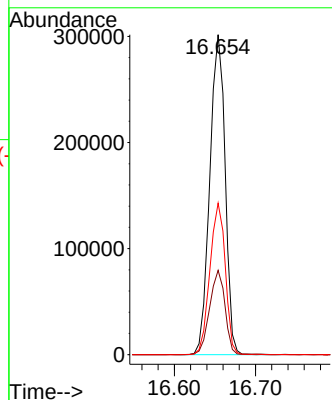
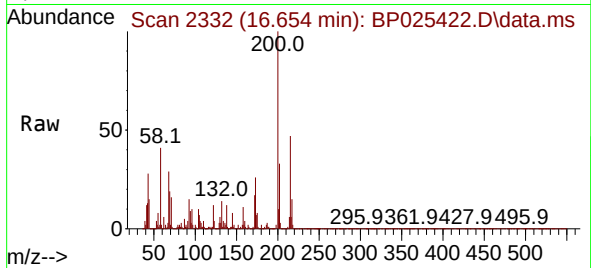




#69
Atrazine
Concen: 37.872 ng
RT: 16.654 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

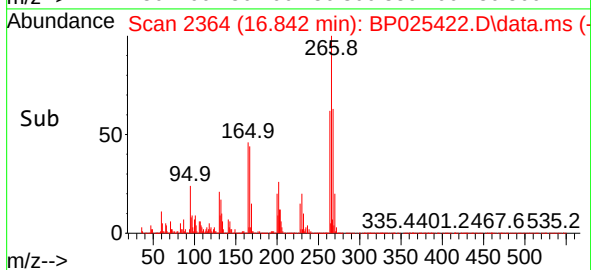
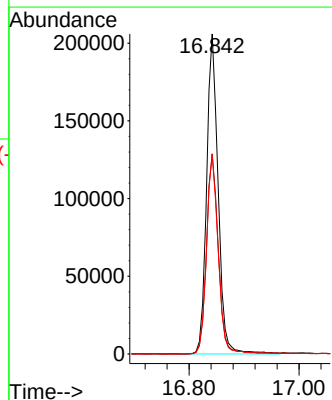
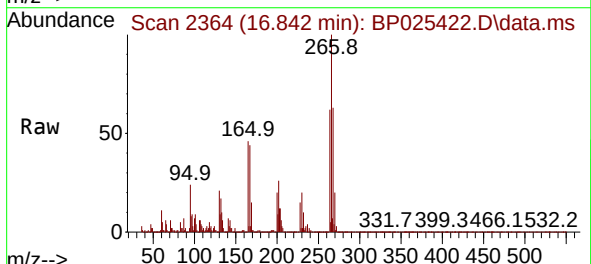
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

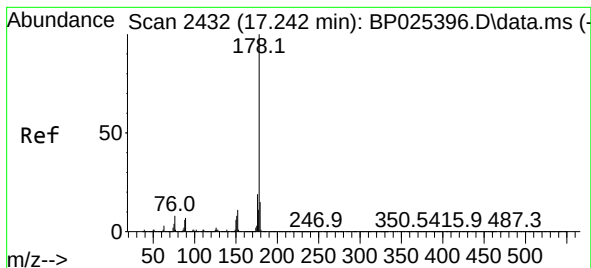
Tgt Ion:200 Resp: 395168
Ion Ratio Lower Upper
200 100
173 26.3 6.7 46.7
215 47.3 29.7 69.7



#70
Pentachlorophenol
Concen: 40.681 ng
RT: 16.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:266 Resp: 299142
Ion Ratio Lower Upper
266 100
268 62.5 52.6 79.0
264 62.4 52.0 78.0





#71

Phenanthrene

Concen: 37.862 ng

RT: 17.248 min Scan# 2432

Delta R.T. 0.006 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

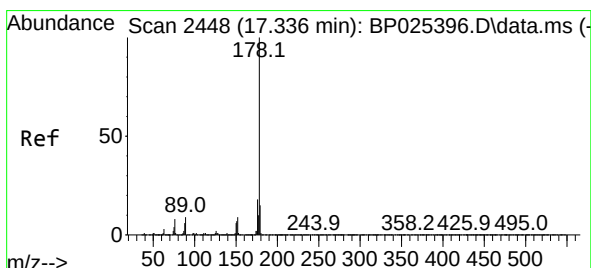
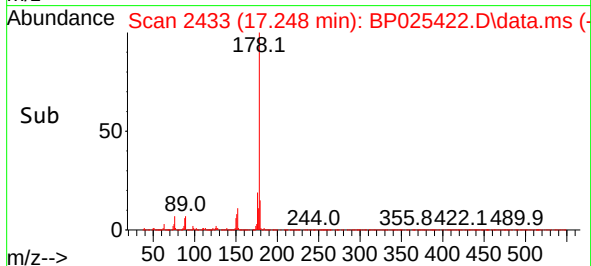
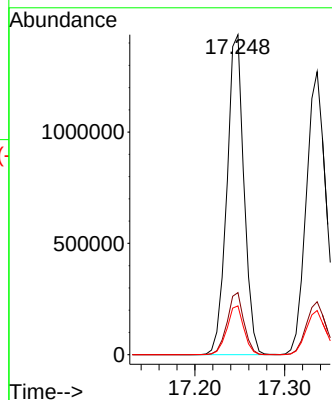
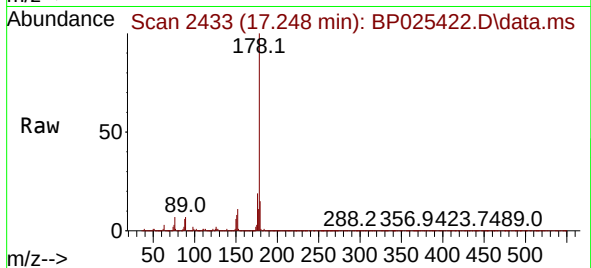
Tgt Ion:178 Resp: 1900372

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.2 12.2 18.4



#72

Anthracene

Concen: 38.117 ng

RT: 17.336 min Scan# 2448

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

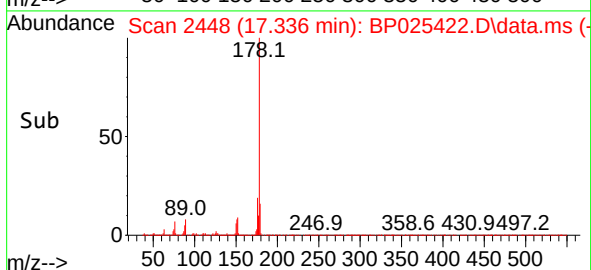
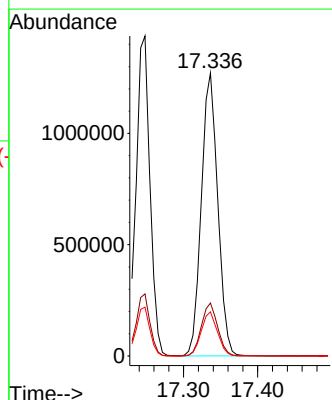
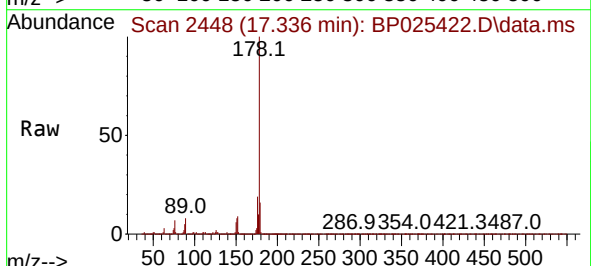
Tgt Ion:178 Resp: 1953735

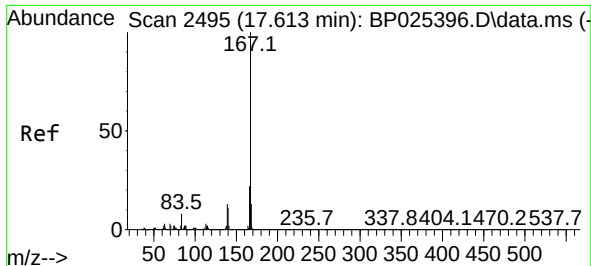
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 15.6 12.2 18.2

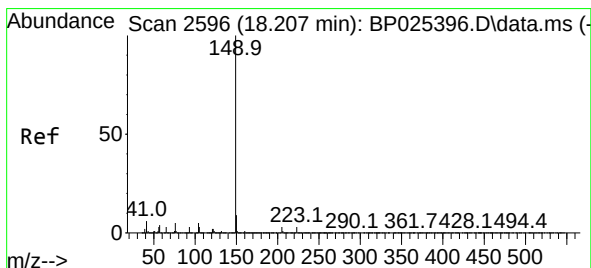
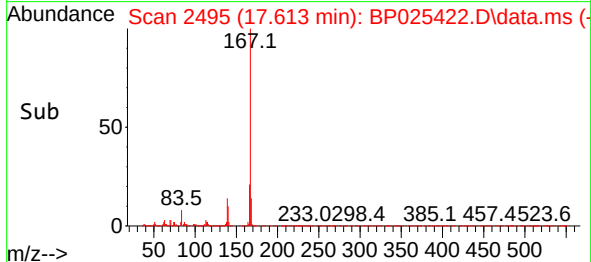
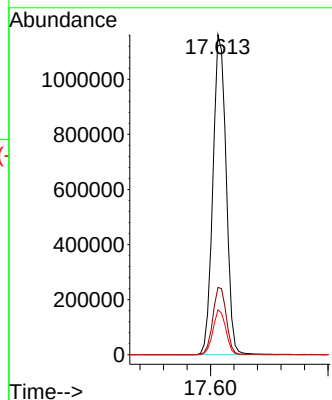
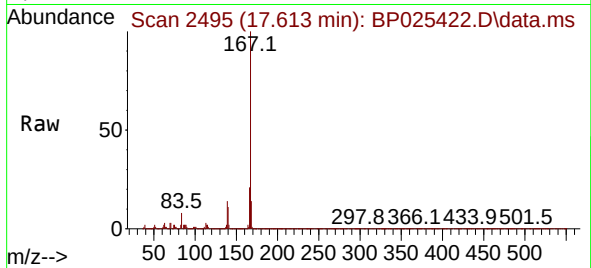




#73
 Carbazole
 Concen: 37.549 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

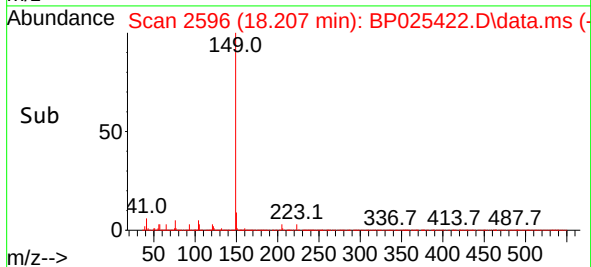
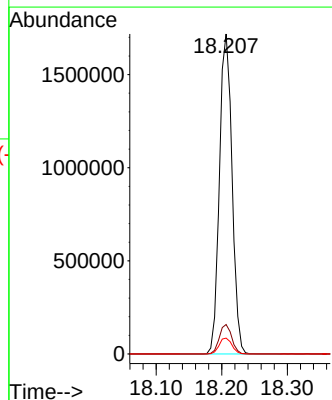
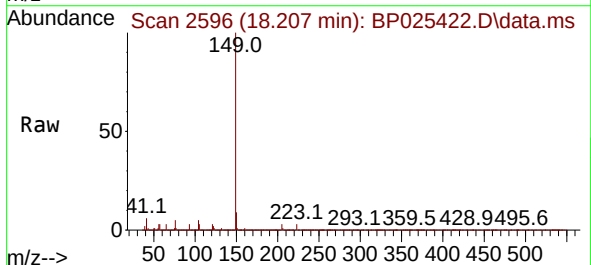
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

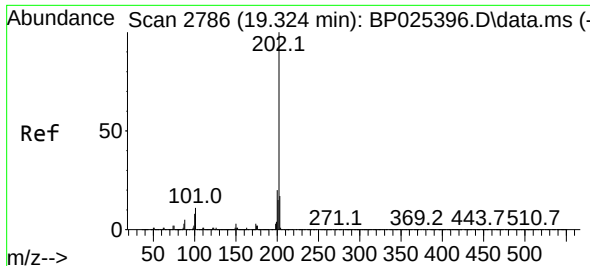
Tgt Ion:167 Resp: 1812820
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.5 26.3
 139 14.0 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 38.345 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 2277638
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 4.9 4.2 6.2

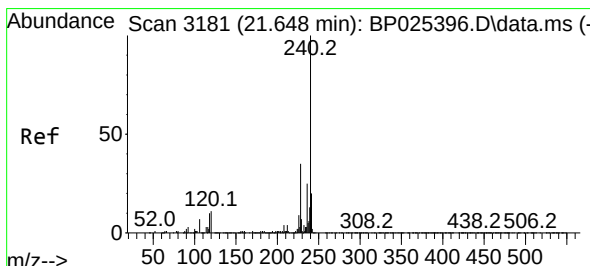
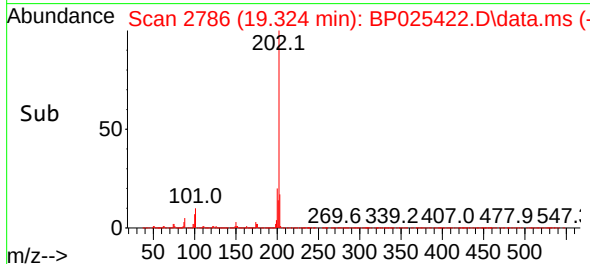
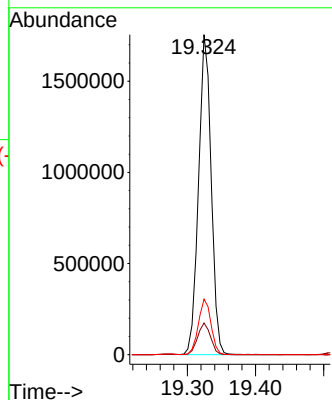
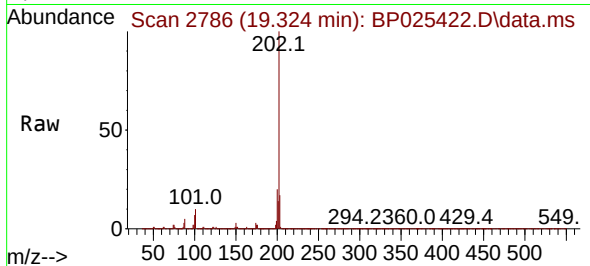




#75
Fluoranthene
Concen: 37.721 ng
RT: 19.324 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

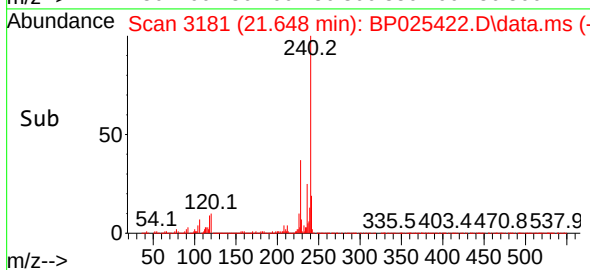
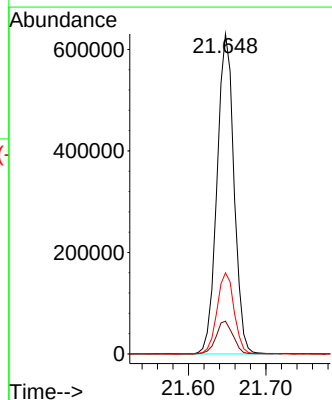
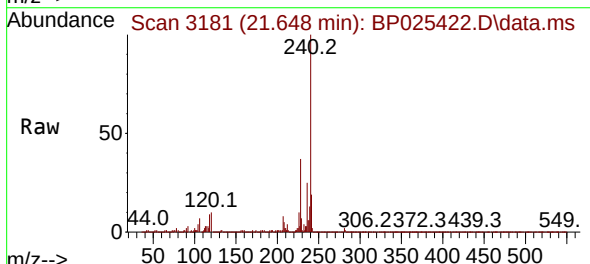
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

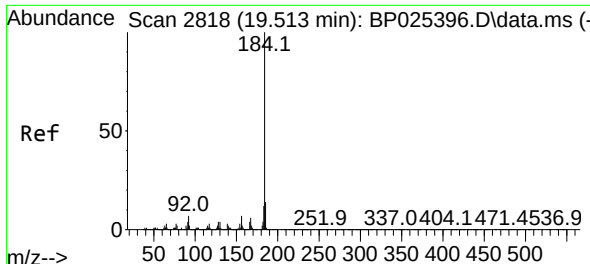
Tgt Ion:202 Resp: 2258336
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:240 Resp: 958309
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.4 19.8 29.8

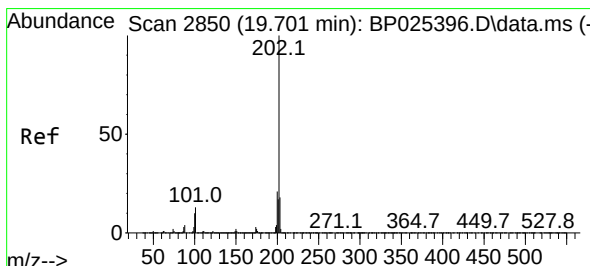
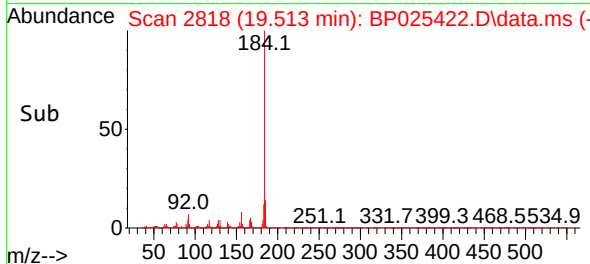
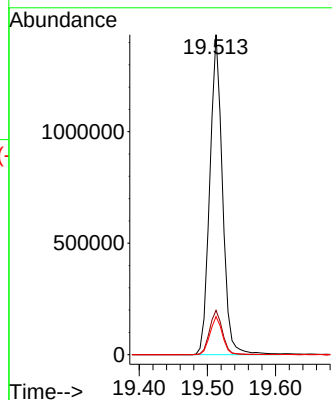
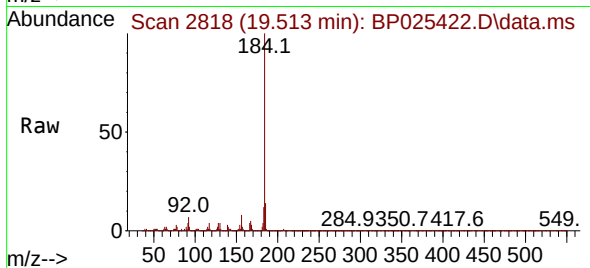




#77
Benzidine
Concen: 56.911 ng
RT: 19.513 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

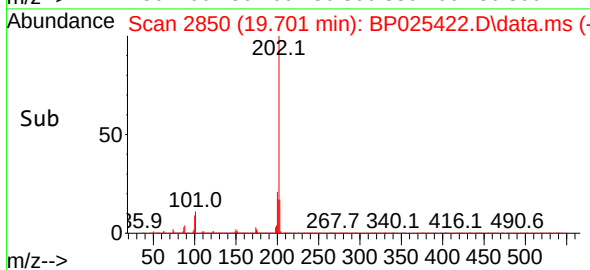
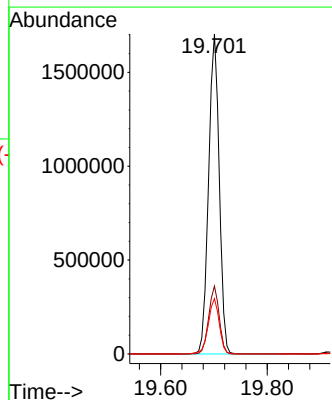
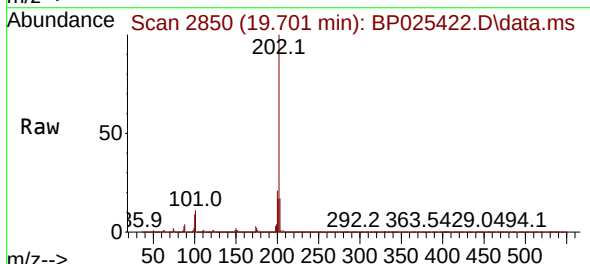
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

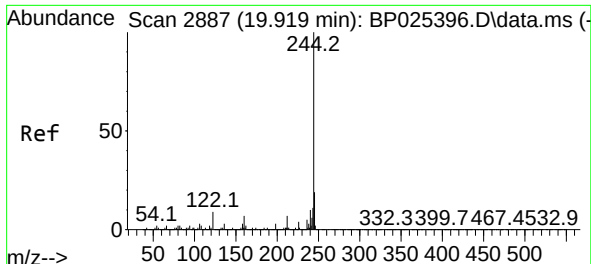
Tgt Ion:184 Resp: 1861268
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 11.9 9.4 14.2



#78
Pyrene
Concen: 37.884 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:202 Resp: 2359709
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.3 14.2 21.2

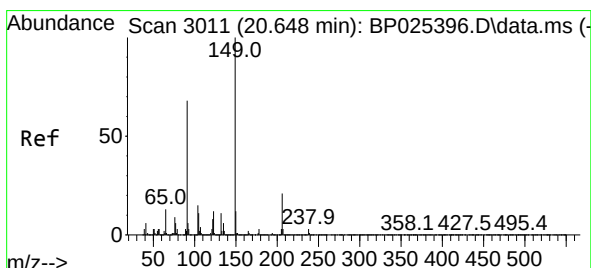
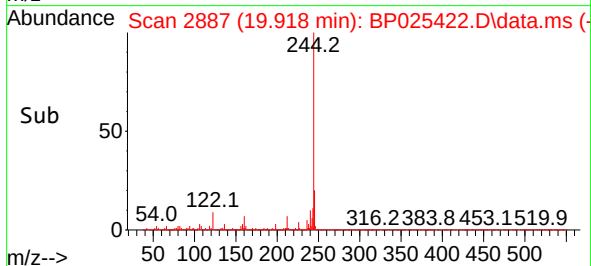
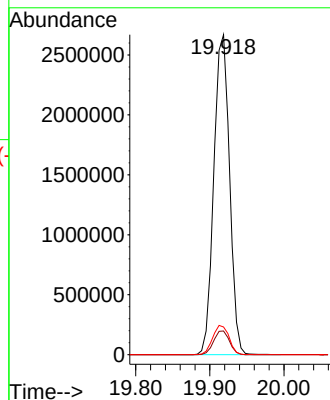
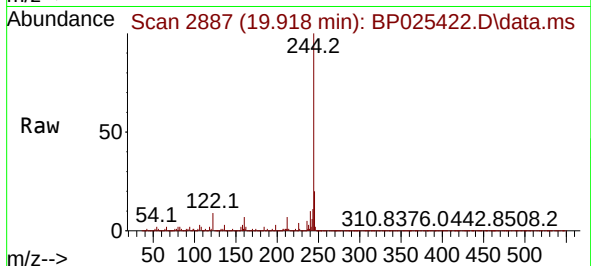




#79
 Terphenyl-d14
 Concen: 75.070 ng
 RT: 19.918 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

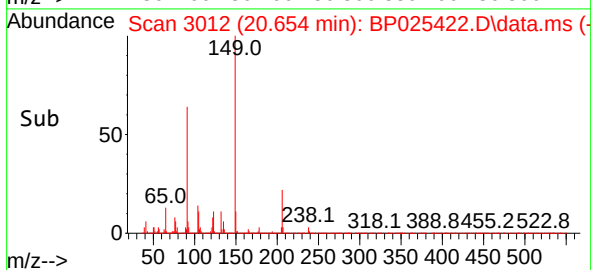
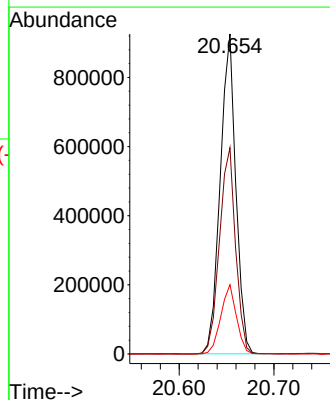
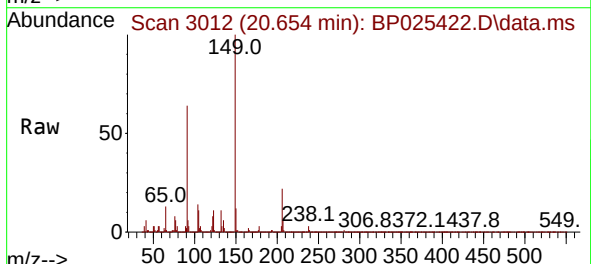
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

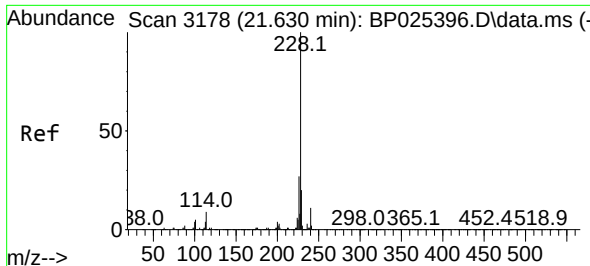
Tgt Ion:244 Resp: 3932091
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 8.7 7.4 11.2



#80
 Butylbenzylphthalate
 Concen: 37.699 ng
 RT: 20.654 min Scan# 3012
 Delta R.T. 0.006 min
 Lab File: BP025422.D
 Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1064206
 Ion Ratio Lower Upper
 149 100
 91 64.5 54.2 81.2
 206 21.7 16.6 24.8

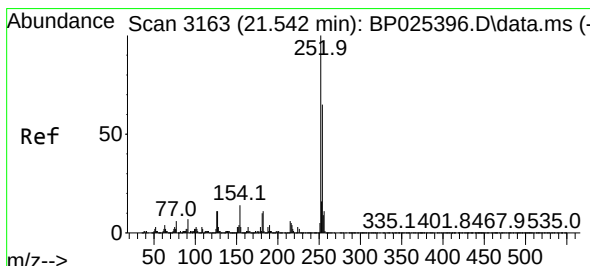
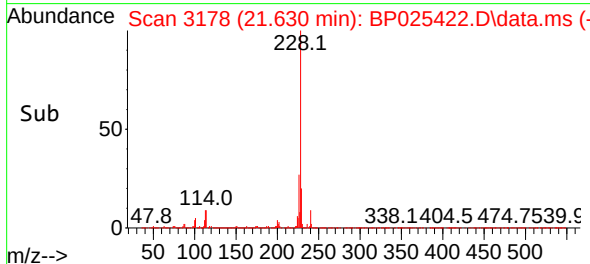
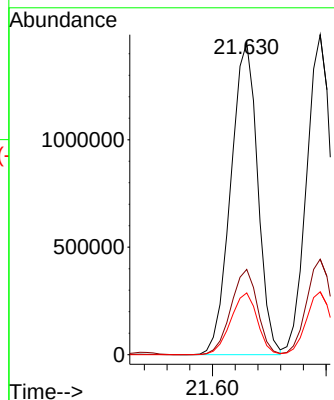
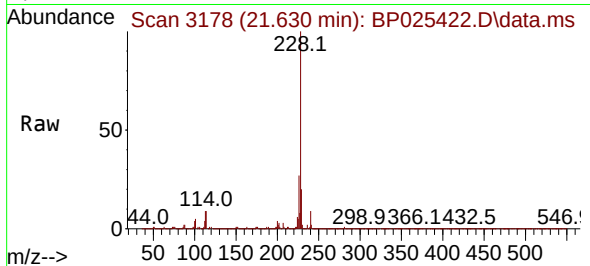




#81
Benzo(a)anthracene
Concen: 37.816 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

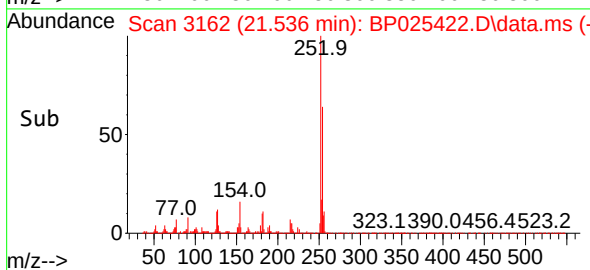
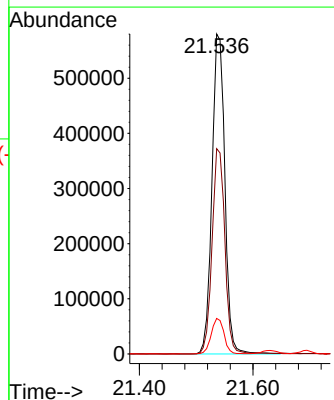
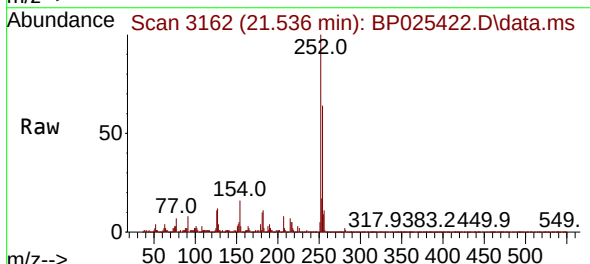
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

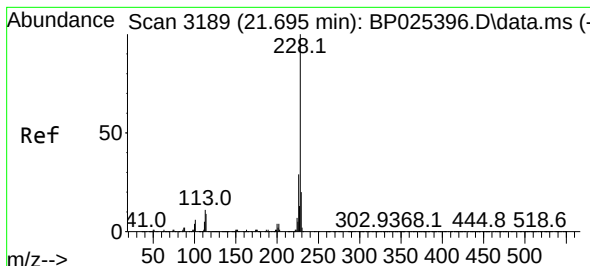
Tgt Ion:228 Resp: 2390024
Ion Ratio Lower Upper
228 100
226 27.3 21.7 32.5
229 19.8 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 38.057 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 906596
Ion Ratio Lower Upper
252 100
254 64.1 51.8 77.6
126 11.1 9.1 13.7





#83

Chrysene

Concen: 37.876 ng

RT: 21.695 min Scan# 3189

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

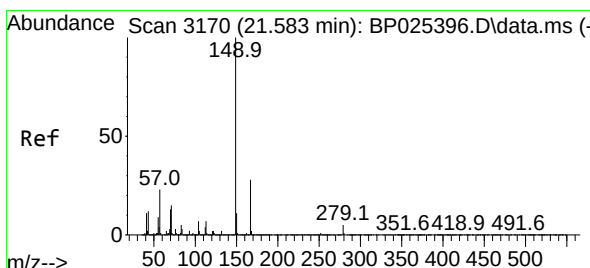
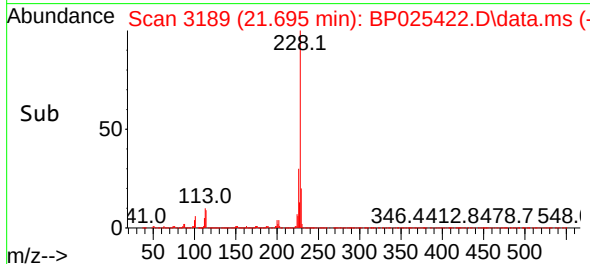
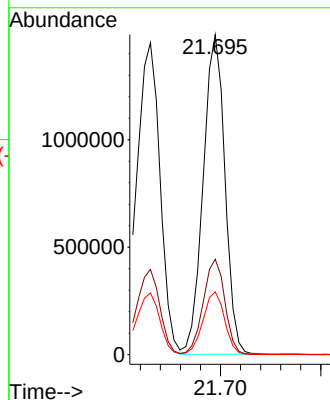
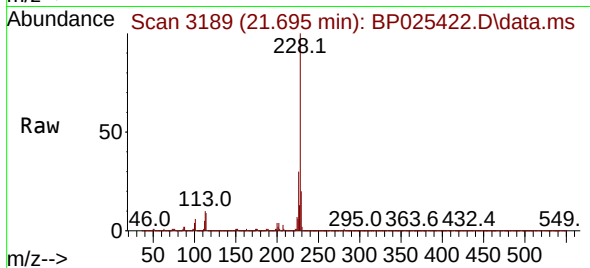
Tgt Ion:228 Resp: 2241792

Ion Ratio Lower Upper

228 100

226 29.8 23.2 34.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.052 ng

RT: 21.571 min Scan# 3168

Delta R.T. -0.012 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

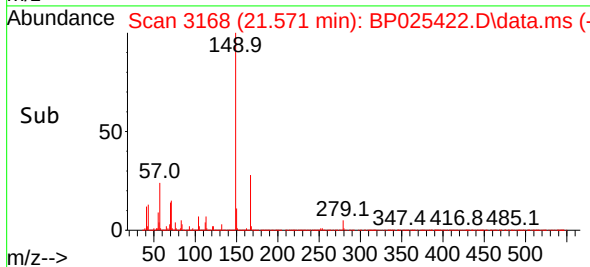
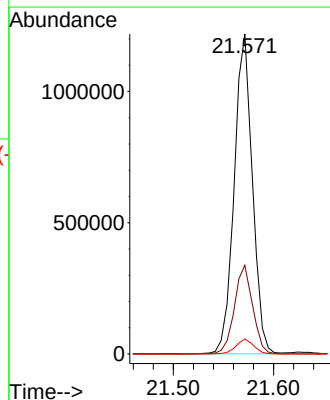
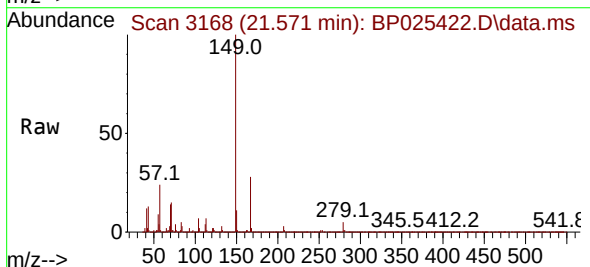
Tgt Ion:149 Resp: 1539693

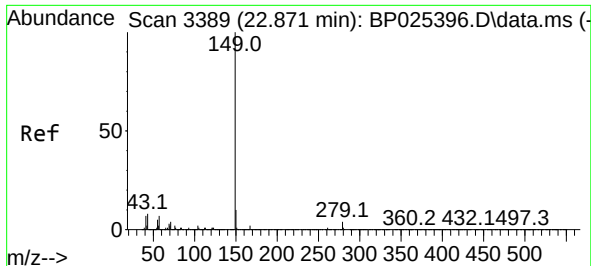
Ion Ratio Lower Upper

149 100

167 27.7 22.1 33.1

279 4.7 3.8 5.6

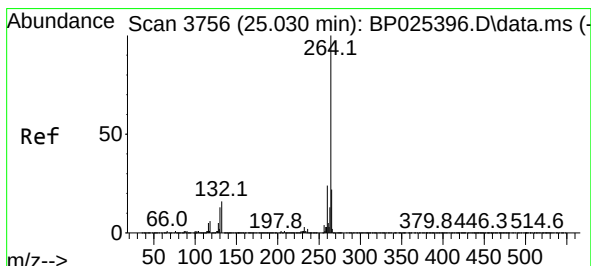
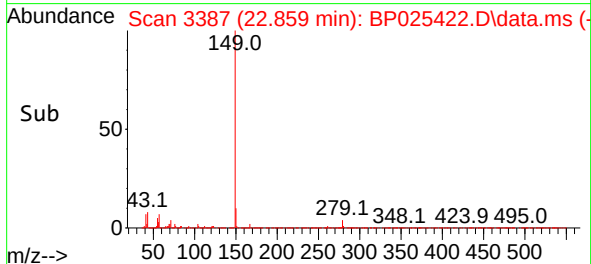
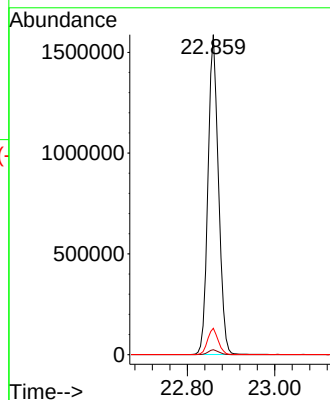
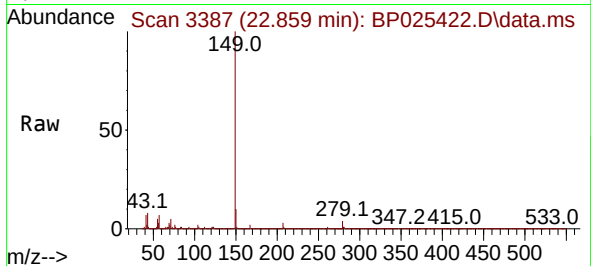




#85
Di-n-octyl phthalate
Concen: 37.018 ng
RT: 22.859 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

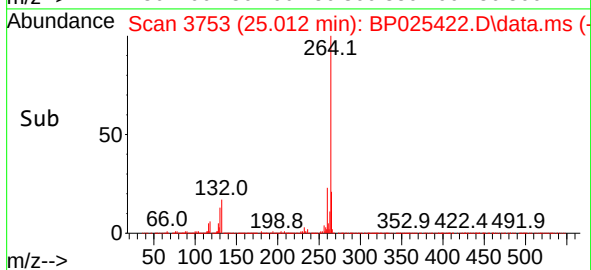
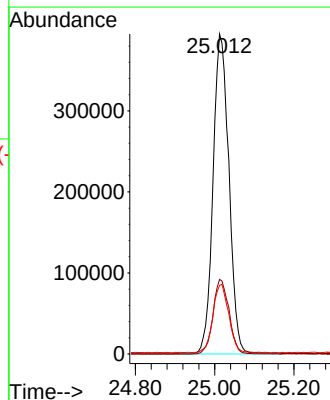
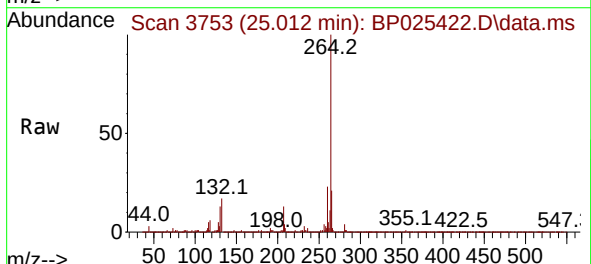
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

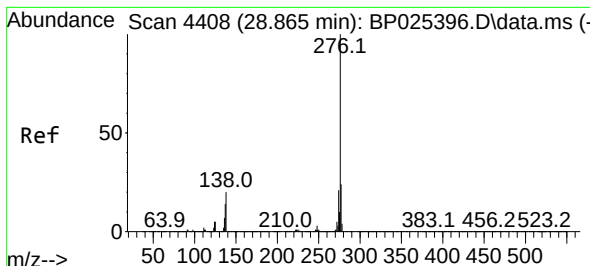
Tgt Ion:149 Resp: 2645927
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.3 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:264 Resp: 1096861
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.082 ng

RT: 28.865 min Scan# 4408

Delta R.T. -0.000 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

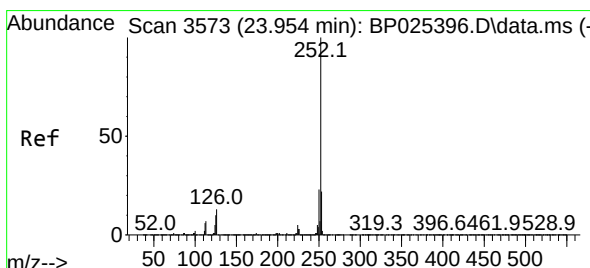
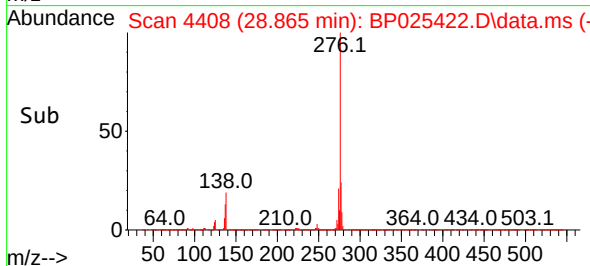
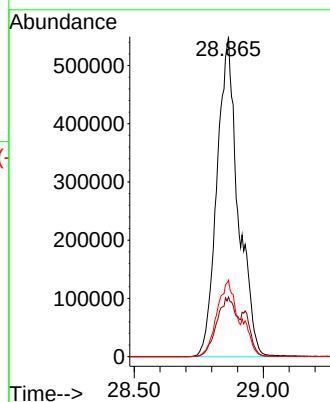
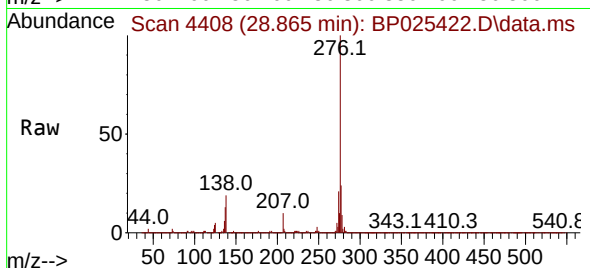
Tgt Ion:276 Resp: 3143696

Ion Ratio Lower Upper

276 100

138 17.7 12.9 19.3

277 21.0 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 38.843 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

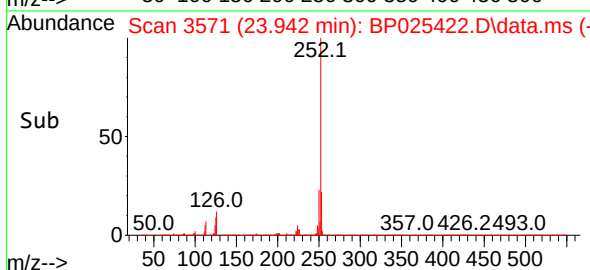
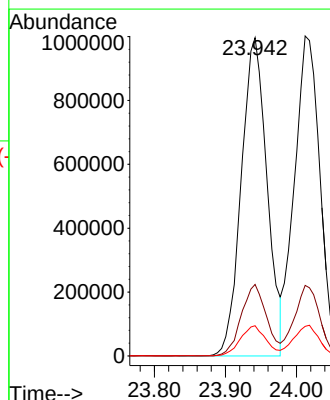
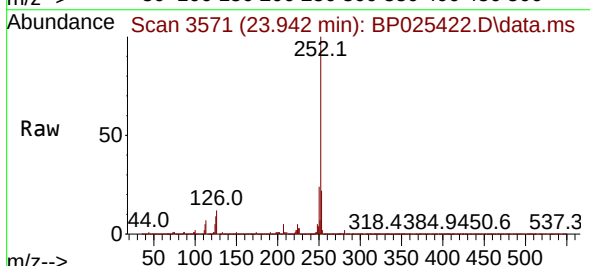
Tgt Ion:252 Resp: 2512340

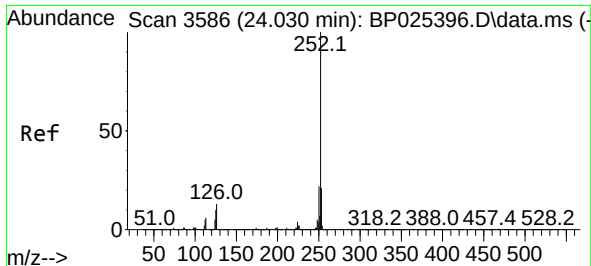
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 9.5 7.9 11.9

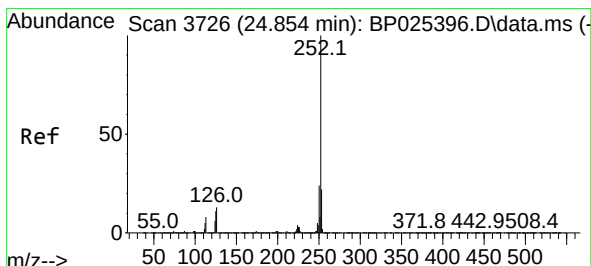
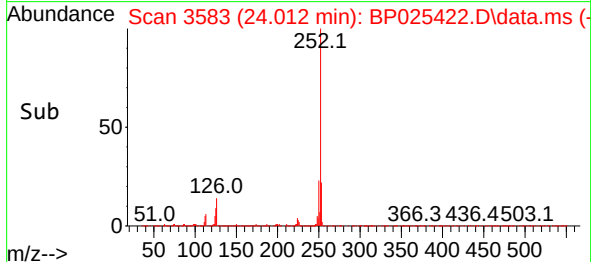
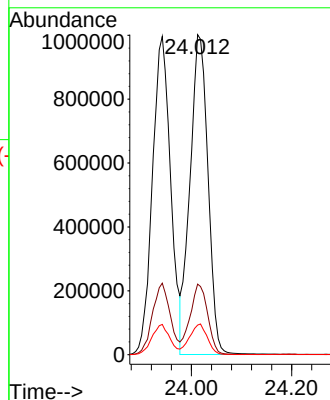
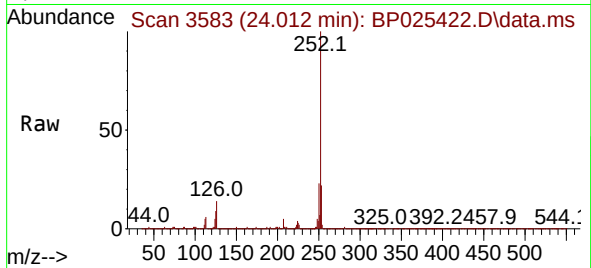




#89
Benzo(k)fluoranthene
Concen: 38.446 ng
RT: 24.012 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

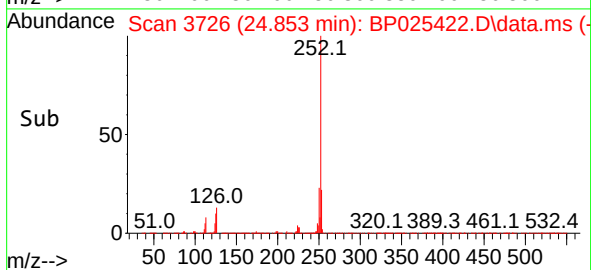
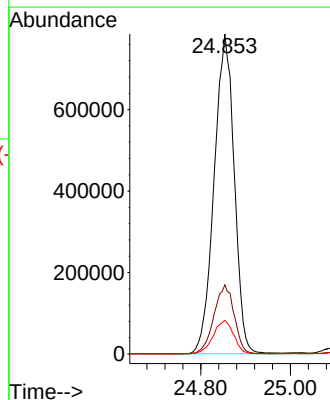
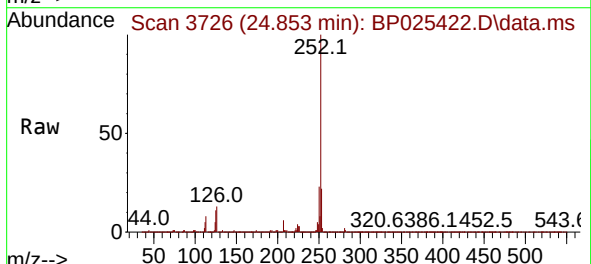
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

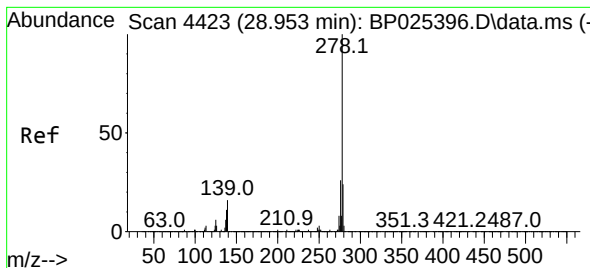
Tgt Ion:252 Resp: 2488345
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 9.3 7.8 11.6



#90
Benzo(a)pyrene
Concen: 38.805 ng
RT: 24.853 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 2443181
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 39.482 ng

RT: 28.930 min Scan# 44

Delta R.T. -0.024 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Instrument :

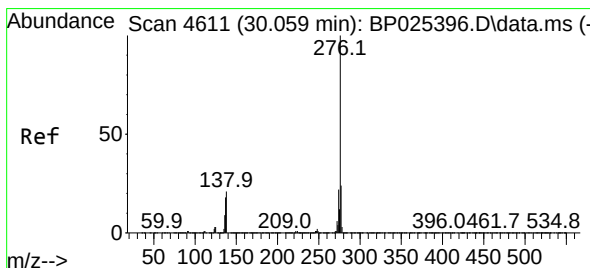
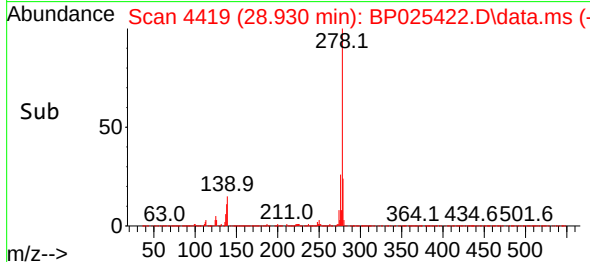
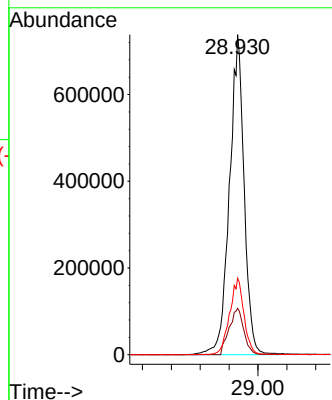
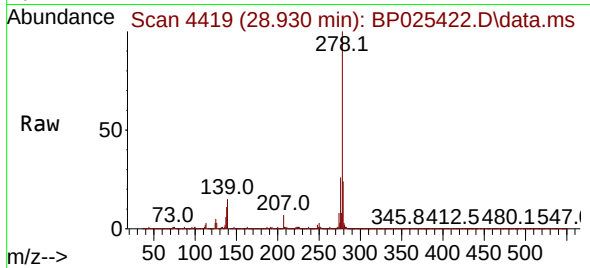
BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 2595384

Ion	Ratio	Lower	Upper
278	100		
139	14.5	13.0	19.4
279	23.9	19.4	29.2



#92

Benzo(g,h,i)perylene

Concen: 39.255 ng

RT: 30.012 min Scan# 4603

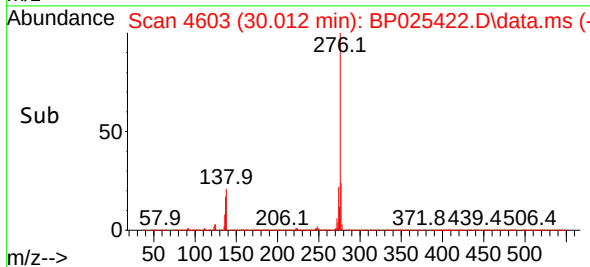
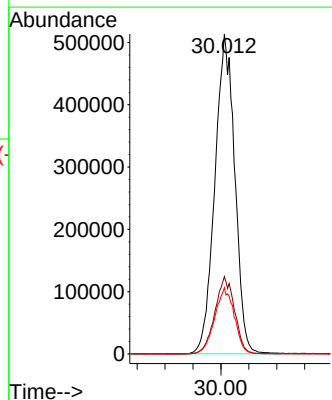
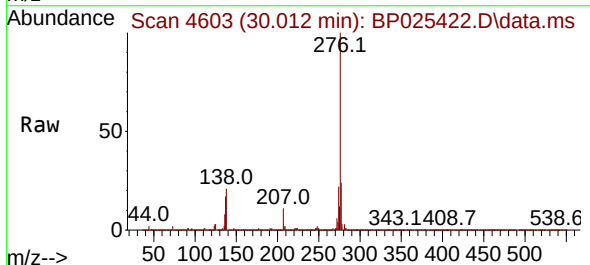
Delta R.T. -0.047 min

Lab File: BP025422.D

Acq: 15 Aug 2025 10:36

Tgt Ion:276 Resp: 2536518

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	20.7	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025424.D
 Acq On : 15 Aug 2025 11:59
 Operator : CG/JU
 Sample : PB169230BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169230BS

Quant Time: Aug 15 12:24:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	169971	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	670319	20.000	ng	0.00
39) Acenaphthene-d10	14.396	164	424018	20.000	ng	-0.01
64) Phenanthrene-d10	17.190	188	812951	20.000	ng	-0.01
76) Chrysene-d12	21.642	240	911094	20.000	ng	0.00
86) Perylene-d12	25.019	264	1094193	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1156544	113.000	ng	0.00
7) Phenol-d6	6.972	99	1449790	110.485	ng	0.00
23) Nitrobenzene-d5	8.931	82	922542	69.619	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	632733	110.863	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2128772	68.614	ng	0.00
79) Terphenyl-d14	19.919	244	3276717	65.800	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	178151	44.438	ng	99
3) Pyridine	3.726	79	351940	32.073	ng	97
4) n-Nitrosodimethylamine	3.631	42	183440	40.550	ng	97
6) Aniline	7.125	93	575167	32.532	ng	98
8) 2-Chlorophenol	7.361	128	461335	39.944	ng	99
9) Benzaldehyde	6.937	77	219291	23.853	ng	95
10) Phenol	6.996	94	556276	40.400	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	398485	37.131	ng	98
12) 1,3-Dichlorobenzene	7.684	146	486604	38.209	ng	99
13) 1,4-Dichlorobenzene	7.825	146	493901	37.943	ng	99
14) 1,2-Dichlorobenzene	8.137	146	473554	37.582	ng	98
15) Benzyl Alcohol	8.019	79	400986	38.459	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.308	45	537421	37.382	ng	98
17) 2-Methylphenol	8.225	107	379222	39.655	ng	99
18) Hexachloroethane	8.861	117	185309	38.719	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	306664	35.282	ng	96
20) 3+4-Methylphenols	8.543	107	514736	38.831	ng	97
22) Acetophenone	8.596	105	645991	38.428	ng	# 98
24) Nitrobenzene	8.972	77	470422	39.722	ng	98
25) Isophorone	9.496	82	867444	36.989	ng	99
26) 2-Nitrophenol	9.672	139	238004	39.160	ng	99
27) 2,4-Dimethylphenol	9.737	122	426335	40.790	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	533145	37.610	ng	98
29) 2,4-Dichlorophenol	10.208	162	430899	41.501	ng	100
30) 1,2,4-Trichlorobenzene	10.419	180	439417	38.606	ng	99
31) Naphthalene	10.608	128	1343452	38.560	ng	99
32) Benzoic acid	9.878	122	306370	39.703	ng	98
33) 4-Chloroaniline	10.702	127	385406	25.043	ng	99
34) Hexachlorobutadiene	10.896	225	272129	38.391	ng	98
35) Caprolactam	11.490	113	146622	38.511	ng	95
36) 4-Chloro-3-methylphenol	11.831	107	486472	40.832	ng	97
37) 2-Methylnaphthalene	12.213	142	864478	38.128	ng	99
38) 1-Methylnaphthalene	12.431	142	898180	37.251	ng	100
40) 1,2,4,5-Tetrachloroben...	12.578	216	483197	39.457	ng	99
41) Hexachlorocyclopentadiene	12.566	237	636193	86.005	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	343891	41.596	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025424.D
 Acq On : 15 Aug 2025 11:59
 Operator : CG/JU
 Sample : PB169230BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169230BS

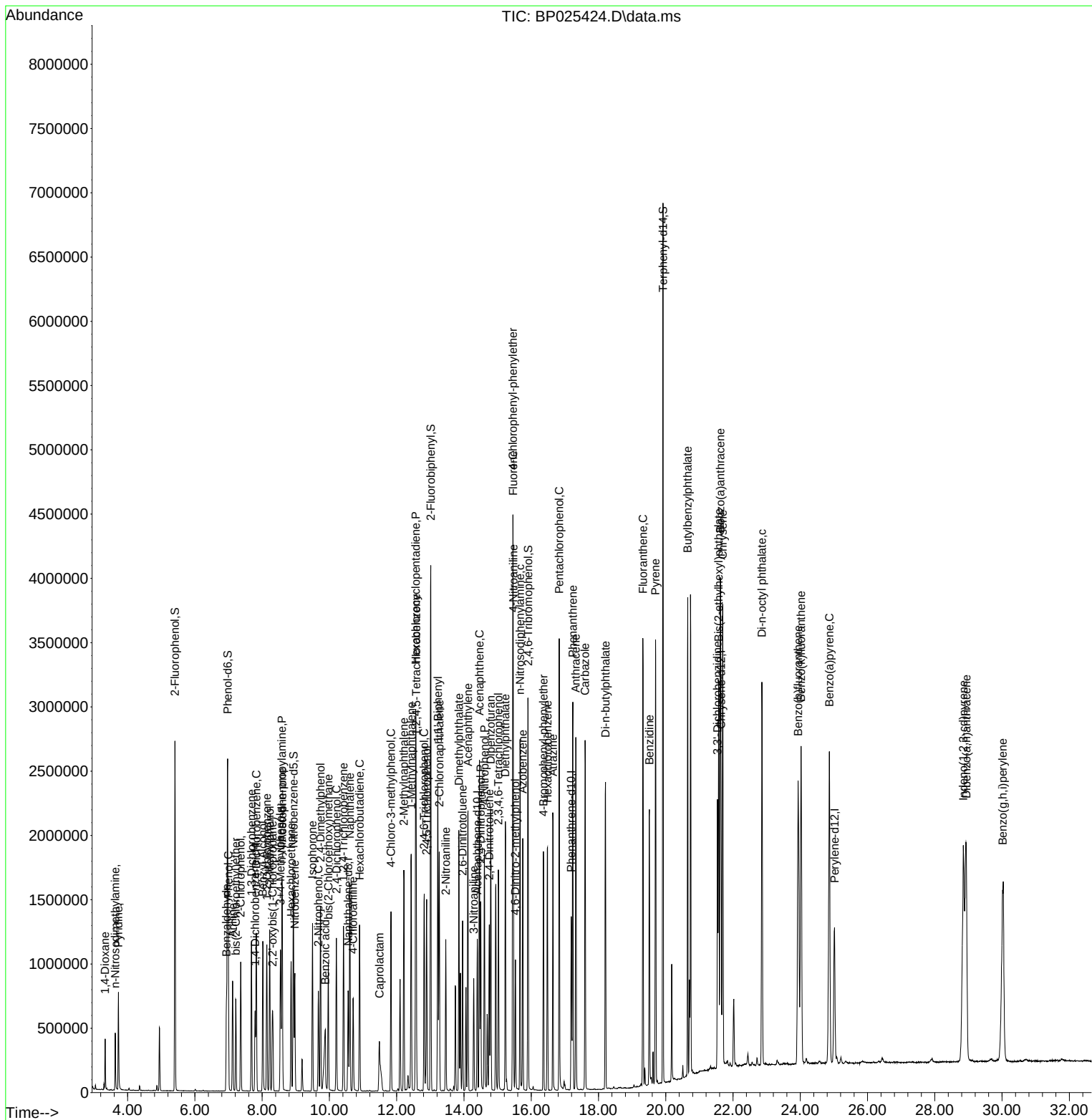
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

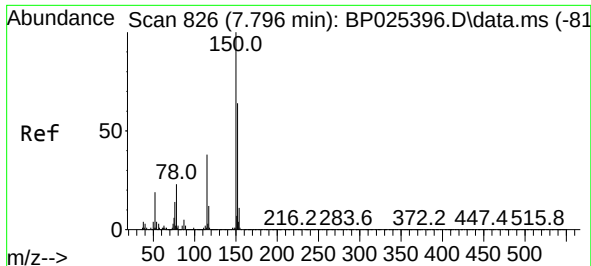
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.890	196	381721	42.128	ng	98
46) 1,1'-Biphenyl	13.225	154	1235911	40.134	ng	99
47) 2-Chloronaphthalene	13.266	162	949832	39.620	ng	99
48) 2-Nitroaniline	13.460	65	296397	42.432	ng	99
49) Acenaphthylene	14.119	152	1568169	39.531	ng	100
50) Dimethylphthalate	13.849	163	1223759	39.412	ng	100
51) 2,6-Dinitrotoluene	13.960	165	270344	41.309	ng	93
52) Acenaphthene	14.460	154	911236	39.134	ng	99
53) 3-Nitroaniline	14.290	138	223962	30.416	ng	95
54) 2,4-Dinitrophenol	14.501	184	319395	91.387	ng	97
55) Dibenzofuran	14.796	168	1435621	38.997	ng	98
56) 4-Nitrophenol	14.607	139	509537	84.213	ng	94
57) 2,4-Dinitrotoluene	14.754	165	389153	41.677	ng	97
58) Fluorene	15.460	166	1123848	38.689	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.025	232	327248	40.903	ng	99
60) Diethylphthalate	15.231	149	1237967	39.238	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	548873	37.992	ng	98
62) 4-Nitroaniline	15.466	138	293368	38.864	ng	95
63) Azobenzene	15.748	77	1081923	40.048	ng	98
65) 4,6-Dinitro-2-methylph...	15.531	198	215285	42.483	ng	94
66) n-Nitrosodiphenylamine	15.666	169	1020090	41.149	ng	100
67) 4-Bromophenyl-phenylether	16.366	248	357730	40.010	ng	98
68) Hexachlorobenzene	16.484	284	421113	40.631	ng	97
69) Atrazine	16.648	200	371199	39.983	ng	99
70) Pentachlorophenol	16.831	266	569065	86.979	ng	99
71) Phenanthrene	17.237	178	1834594	41.081	ng	99
72) Anthracene	17.325	178	1867641	40.953	ng	99
73) Carbazole	17.601	167	1745068	40.625	ng	99
74) Di-n-butylphthalate	18.207	149	2153331	40.744	ng	100
75) Fluoranthene	19.319	202	2161988	40.586	ng	99
77) Benzidine	19.513	184	1323440	42.563	ng	99
78) Pyrene	19.695	202	2262750	38.210	ng	100
80) Butylbenzylphthalate	20.654	149	1053807	39.265	ng	99
81) Benzo(a)anthracene	21.625	228	2464717	41.019	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	686690	30.320	ng	99
83) Chrysene	21.695	228	2304341	40.951	ng	99
84) Bis(2-ethylhexyl)phtha...	21.578	149	1594510	40.360	ng	100
85) Di-n-octyl phthalate	22.860	149	2830250	41.649	ng	99
87) Indeno(1,2,3-cd)pyrene	28.848	276	3386531	42.203	ng	99
88) Benzo(b)fluoranthene	23.936	252	2671223	41.401	ng	99
89) Benzo(k)fluoranthene	24.024	252	2607648	40.388	ng	100
90) Benzo(a)pyrene	24.866	252	2585640	41.168	ng	99
91) Dibenzo(a,h)anthracene	28.936	278	2746421	41.882	ng	98
92) Benzo(g,h,i)perylene	30.018	276	1615238	25.058	ng	99

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

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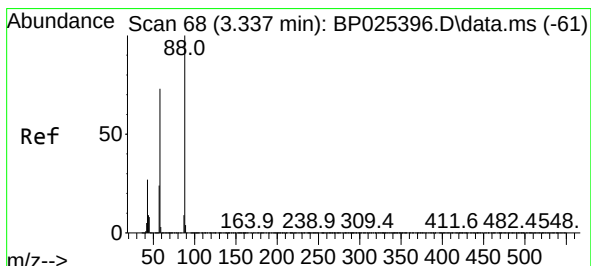
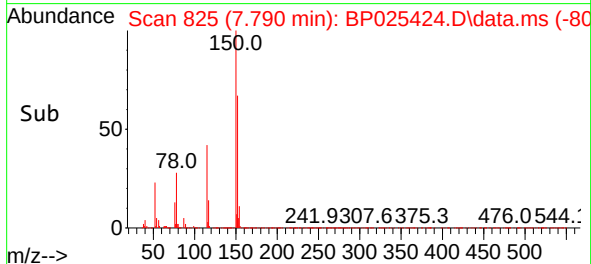
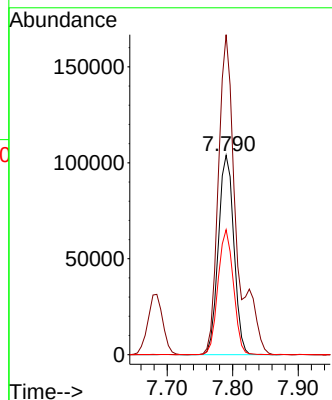
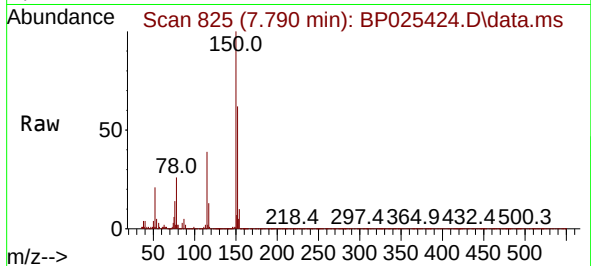




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025424.D
 Acq: 15 Aug 2025 11:59

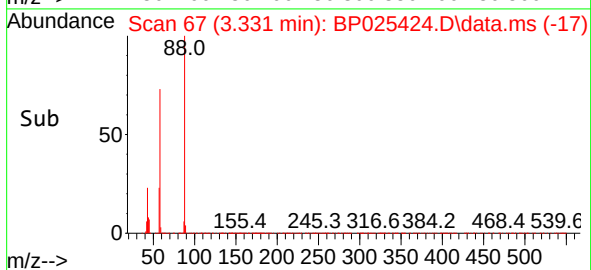
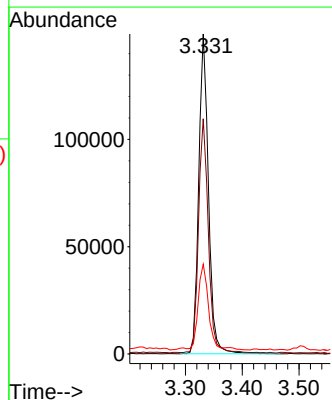
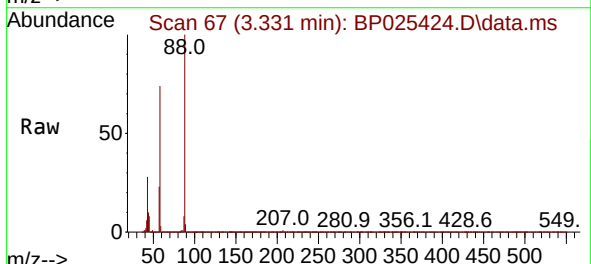
Instrument :
 BNA_P
 ClientSampleId :
 PB169230BS

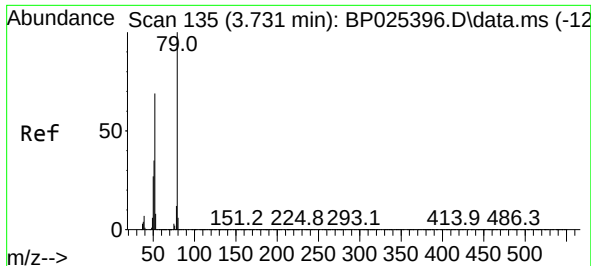
Tgt Ion:152 Resp: 169971
 Ion Ratio Lower Upper
 152 100
 150 160.6 125.9 188.9
 115 62.7 48.5 72.7



#2
 1,4-Dioxane
 Concen: 44.438 ng
 RT: 3.331 min Scan# 67
 Delta R.T. -0.006 min
 Lab File: BP025424.D
 Acq: 15 Aug 2025 11:59

Tgt Ion: 88 Resp: 178151
 Ion Ratio Lower Upper
 88 100
 58 73.9 59.2 88.8
 43 28.8 21.7 32.5

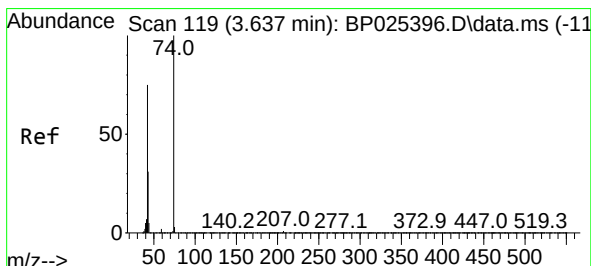
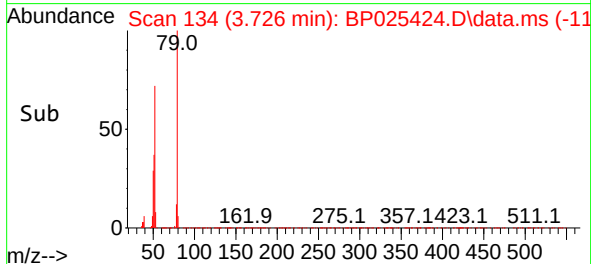
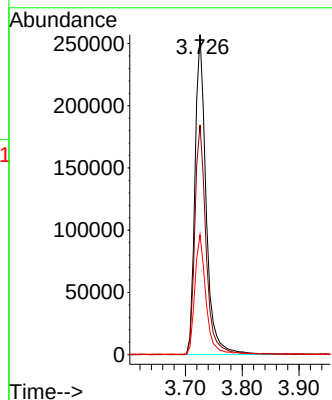
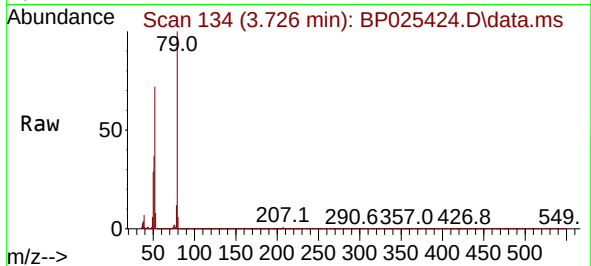




#3
Pyridine
Concen: 32.073 ng
RT: 3.726 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

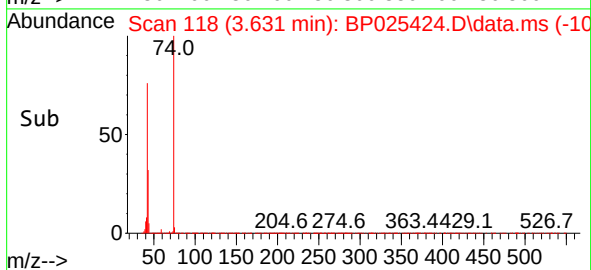
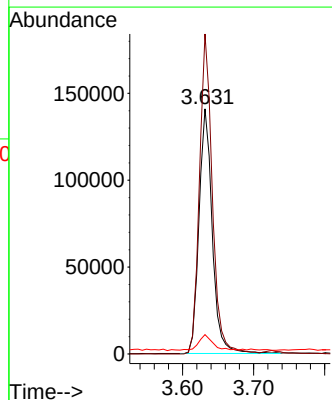
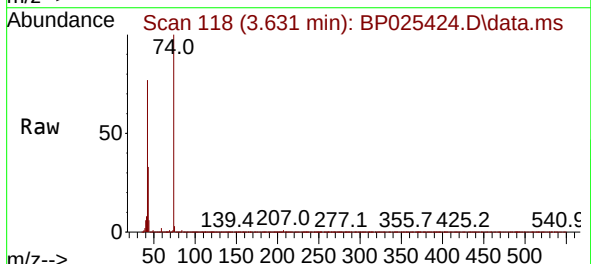
Instrument :
BNA_P
ClientSampleId :
PB169230BS

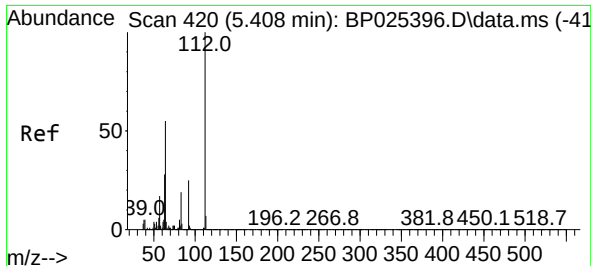
Tgt Ion: 79 Resp: 351940
Ion Ratio Lower Upper
79 100
52 71.8 55.5 83.3
51 37.5 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 40.550 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 42 Resp: 183440
Ion Ratio Lower Upper
42 100
74 130.5 107.0 160.4
44 7.9 6.2 9.4

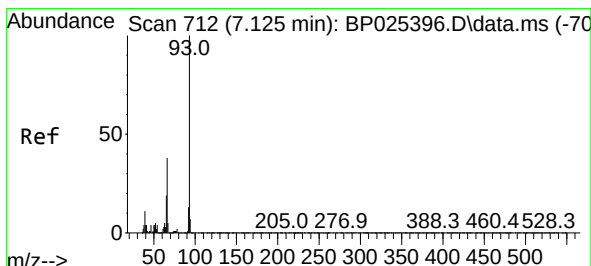
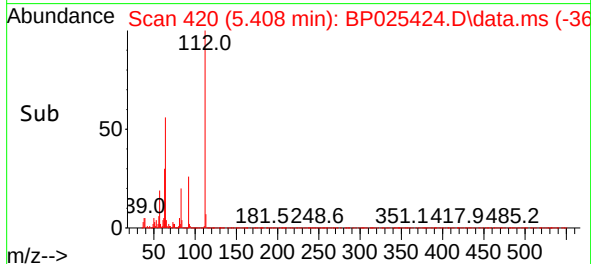
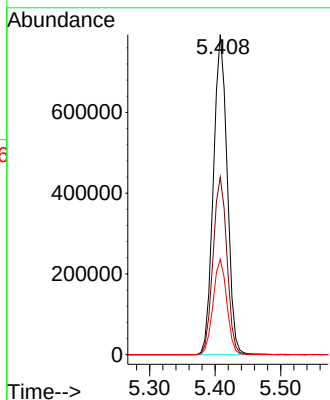
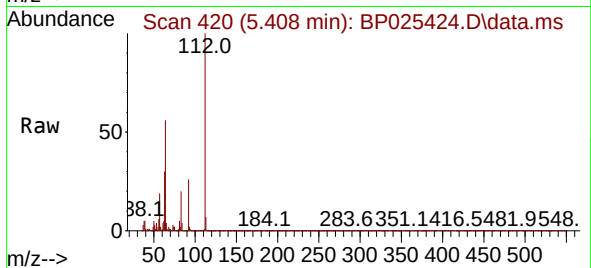




#5
2-Fluorophenol
Concen: 113.000 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

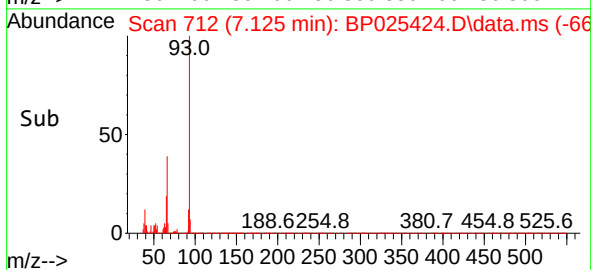
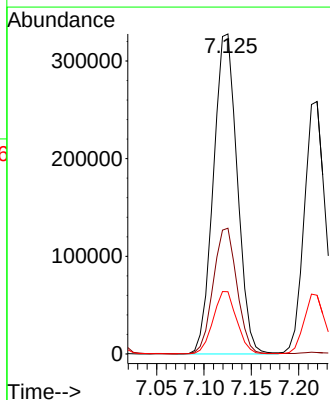
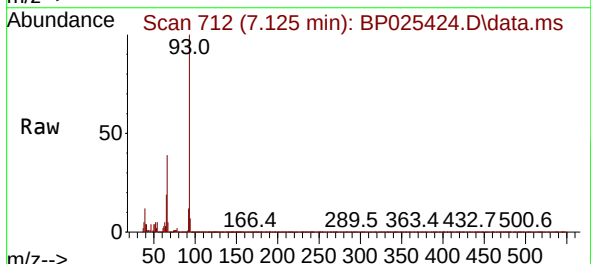
Instrument :
BNA_P
ClientSampleId :
PB169230BS

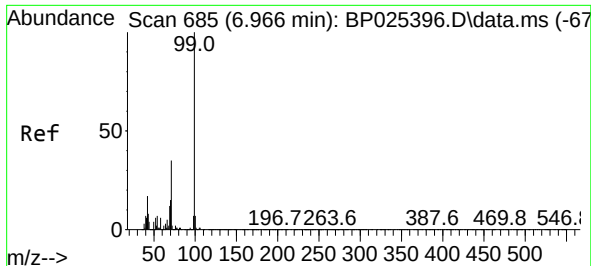
Tgt Ion:112 Resp: 1156544
Ion Ratio Lower Upper
112 100
64 55.5 43.8 65.8
63 29.8 22.7 34.1



#6
Aniline
Concen: 32.532 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 93 Resp: 575167
Ion Ratio Lower Upper
93 100
66 39.3 30.4 45.6
65 19.5 15.3 22.9

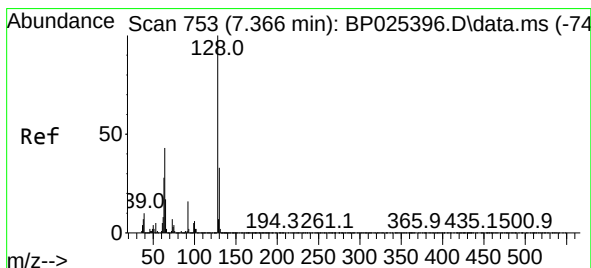
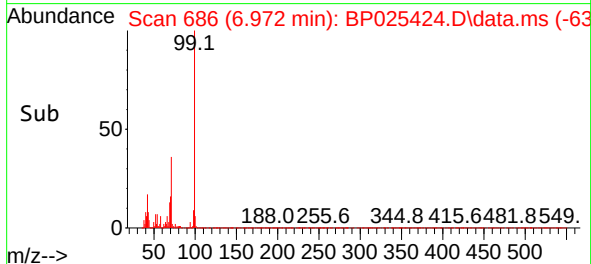
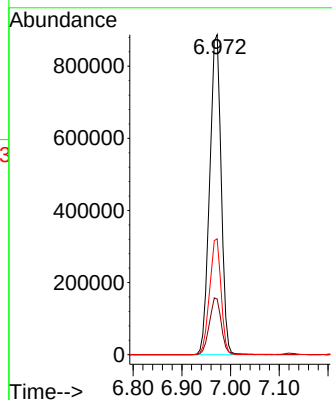
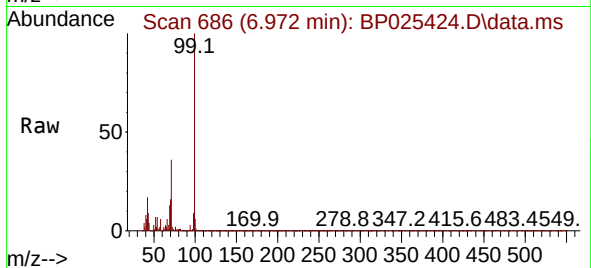




#7
Phenol-d6
Concen: 110.485 ng
RT: 6.972 min Scan# 685
Delta R.T. 0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

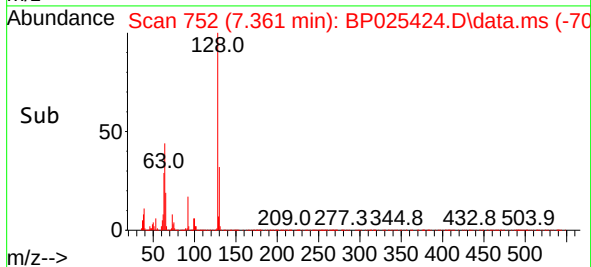
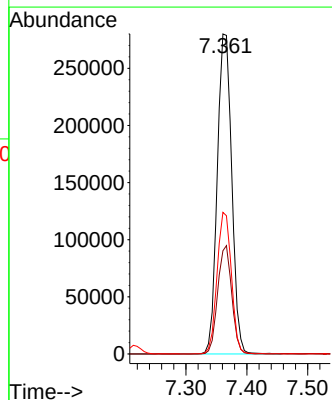
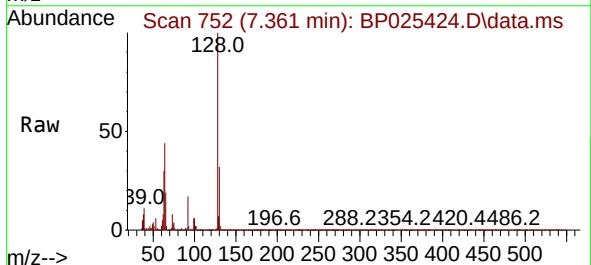
Instrument :
BNA_P
ClientSampleId :
PB169230BS

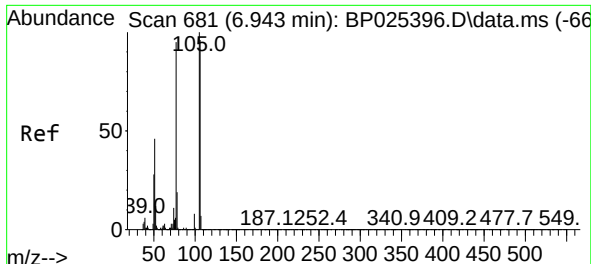
Tgt Ion: 99 Resp: 1449790
Ion Ratio Lower Upper
99 100
42 17.4 13.7 20.5
71 36.2 28.2 42.4



#8
2-Chlorophenol
Concen: 39.944 ng
RT: 7.361 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 128 Resp: 461335
Ion Ratio Lower Upper
128 100
130 32.2 12.6 52.6
64 44.2 23.4 63.4

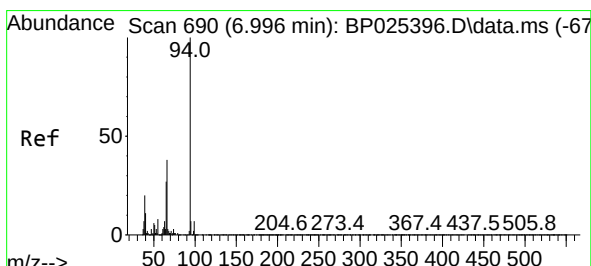
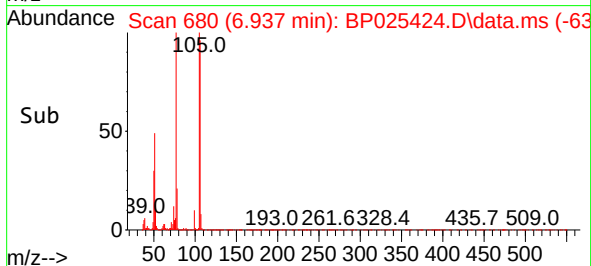
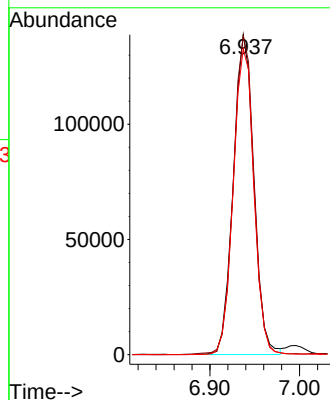
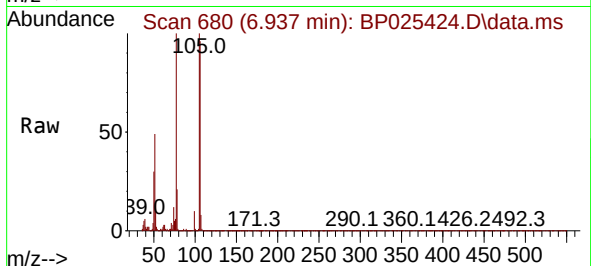




#9
Benzaldehyde
Concen: 23.853 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

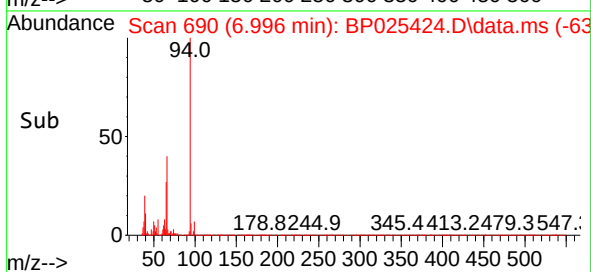
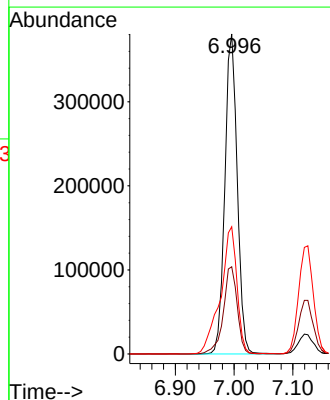
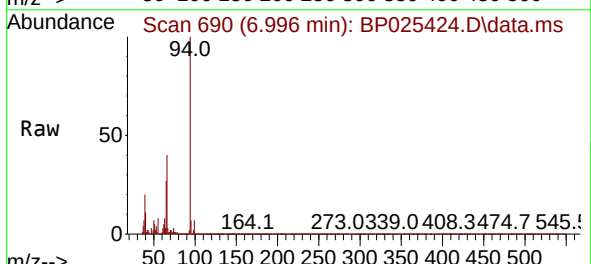
Instrument :
BNA_P
ClientSampleId :
PB169230BS

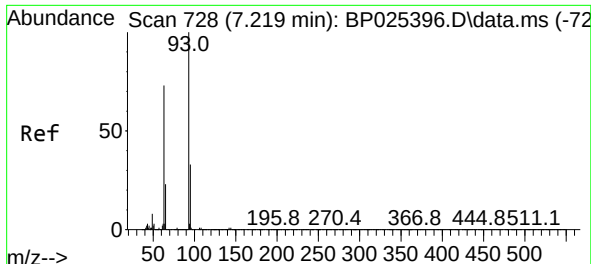
Tgt Ion: 77 Resp: 219291
Ion Ratio Lower Upper
77 100
105 99.6 84.8 124.8
106 95.6 80.5 120.5



#10
Phenol
Concen: 40.400 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 94 Resp: 556276
Ion Ratio Lower Upper
94 100
65 27.3 6.8 46.8
66 39.7 18.2 58.2

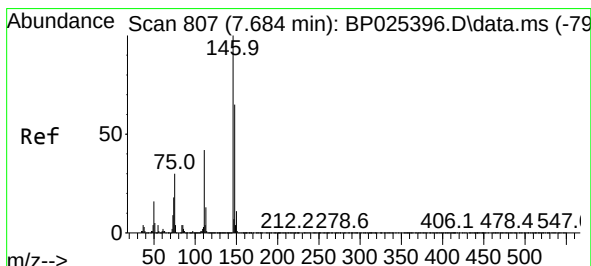
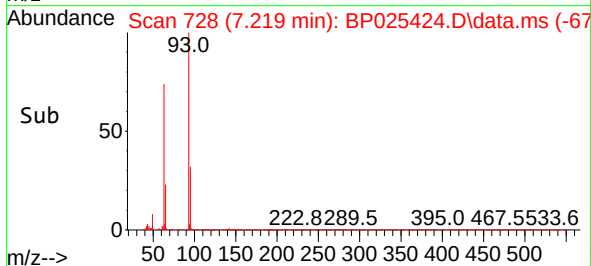
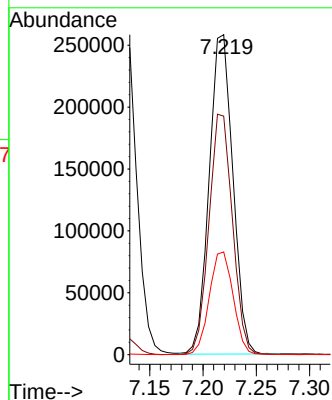
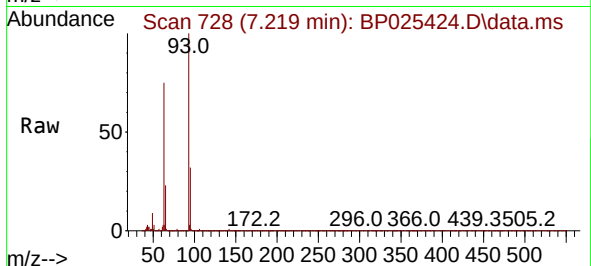




#11
bis(2-Chloroethyl)ether
Concen: 37.131 ng
RT: 7.219 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

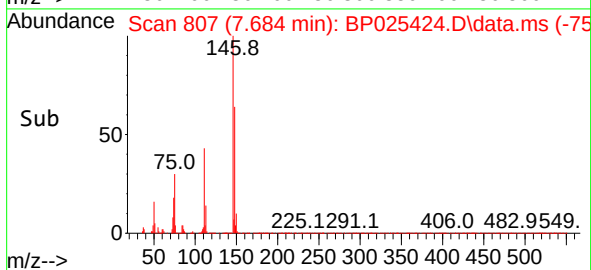
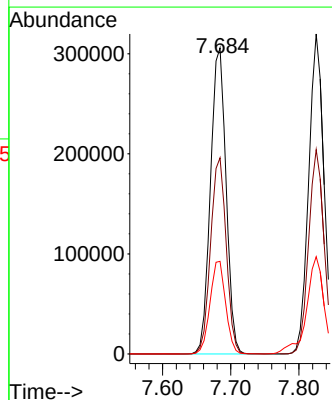
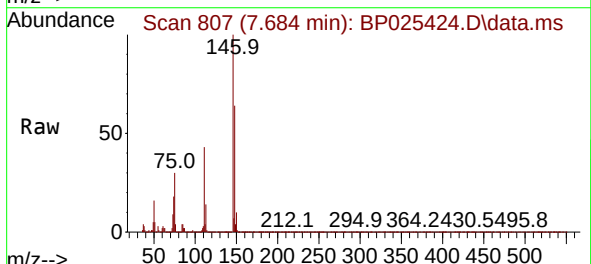
Instrument :
BNA_P
ClientSampleId :
PB169230BS

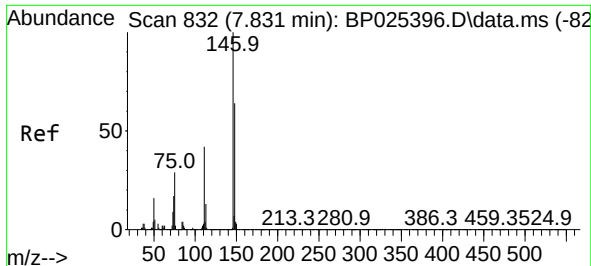
Tgt Ion: 93 Resp: 398485
Ion Ratio Lower Upper
93 100
63 74.6 52.6 92.6
95 32.1 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 38.209 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 146 Resp: 486604
Ion Ratio Lower Upper
146 100
148 64.1 51.9 77.9
75 30.3 23.7 35.5

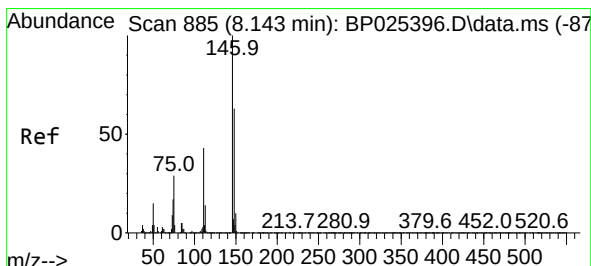
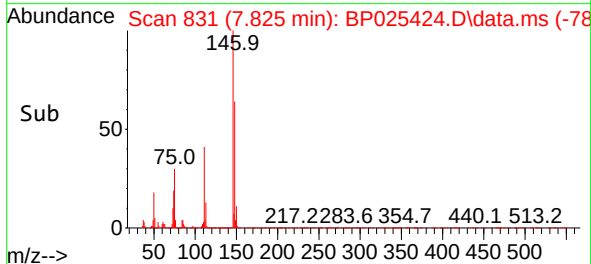
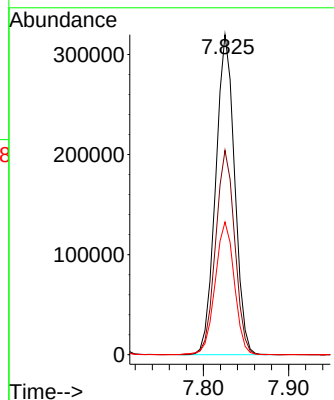
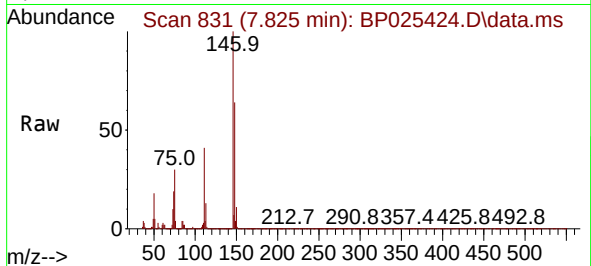




#13
1,4-Dichlorobenzene
Concen: 37.943 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

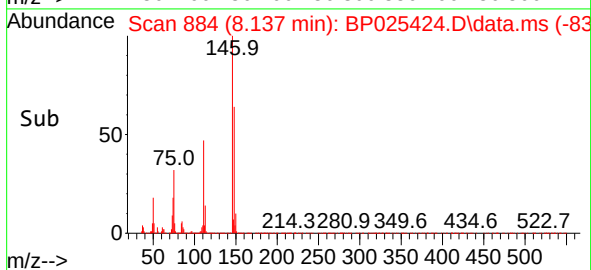
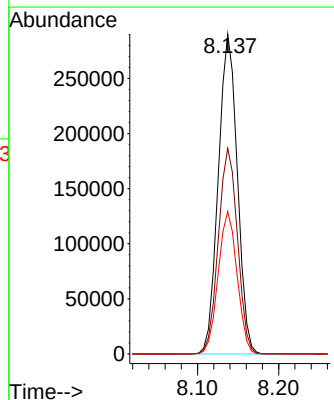
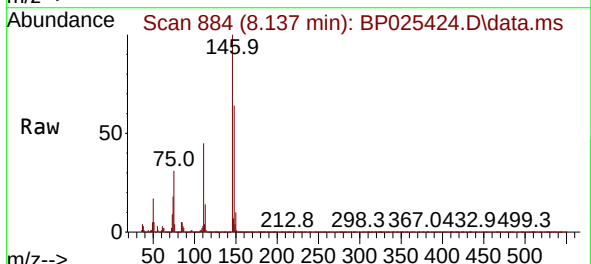
Instrument :
BNA_P
ClientSampleId :
PB169230BS

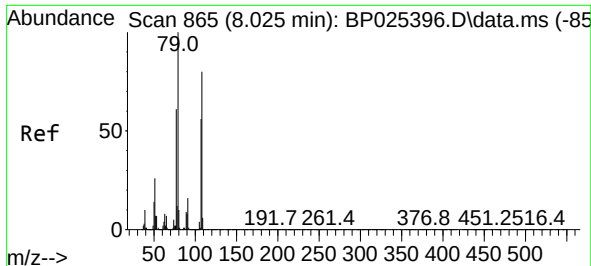
Tgt Ion:146 Resp: 493901
Ion Ratio Lower Upper
146 100
148 63.9 51.6 77.4
111 41.4 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 37.582 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:146 Resp: 473554
Ion Ratio Lower Upper
146 100
148 64.3 50.4 75.6
111 44.5 34.5 51.7

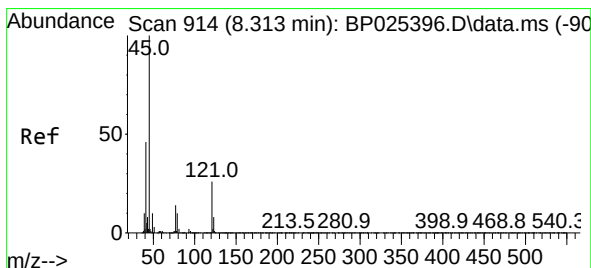
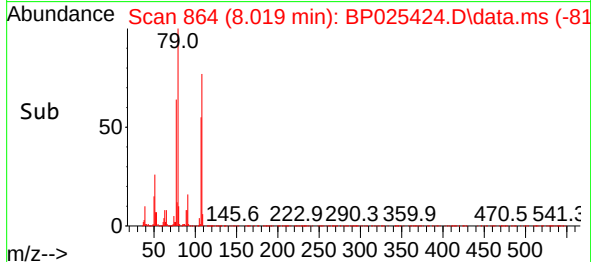
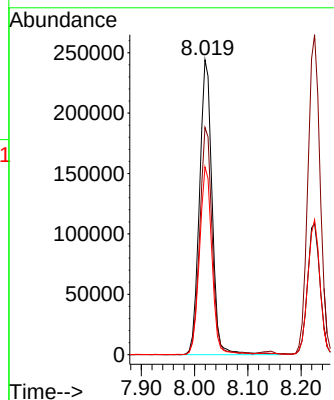
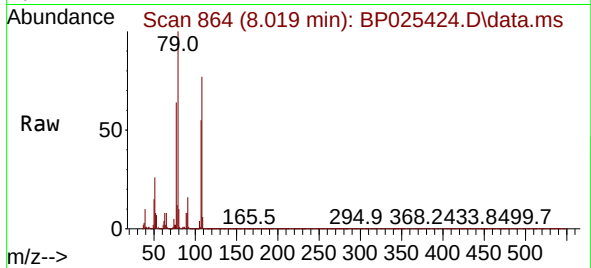




#15
Benzyl Alcohol
Concen: 38.459 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

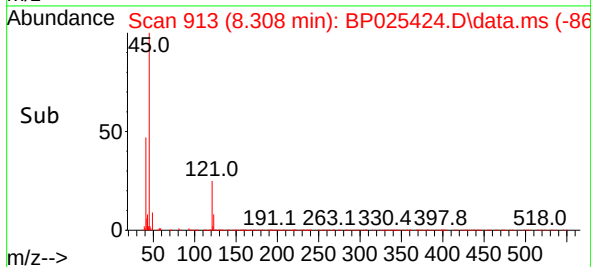
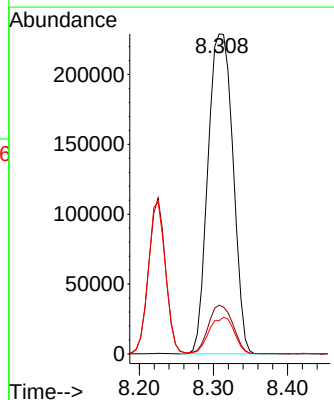
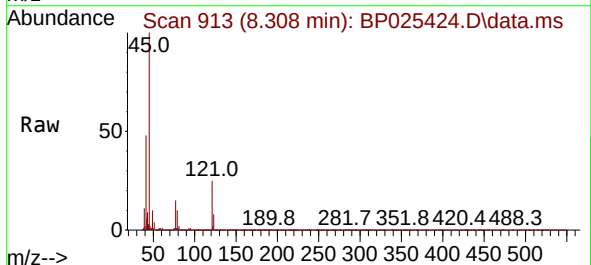
Instrument :
BNA_P
ClientSampleId :
PB169230BS

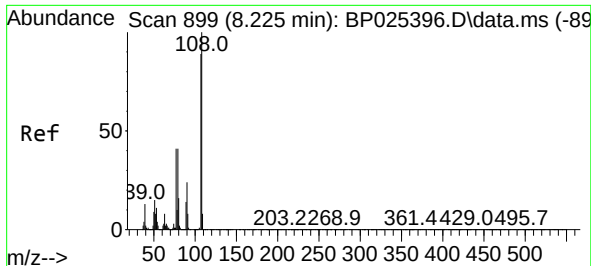
Tgt Ion: 79 Resp: 400986
Ion Ratio Lower Upper
79 100
108 77.0 63.8 95.6
77 63.7 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.382 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

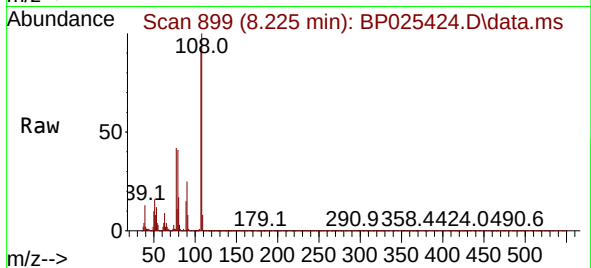
Tgt Ion: 45 Resp: 537421
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.3
79 10.4 0.0 31.8



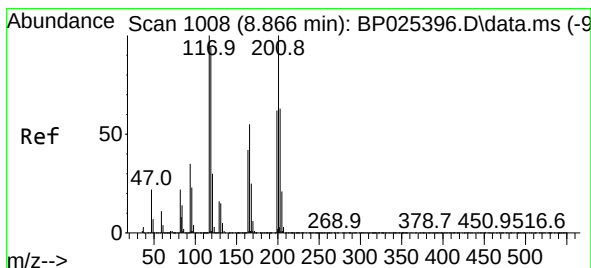
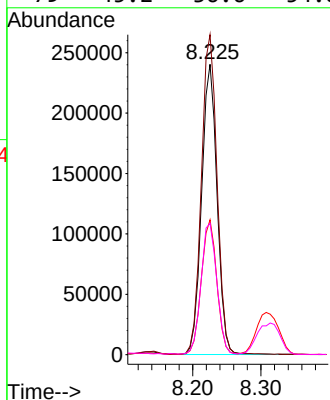
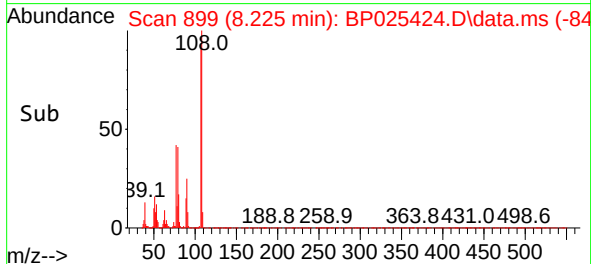


#17
2-Methylphenol
Concen: 39.655 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

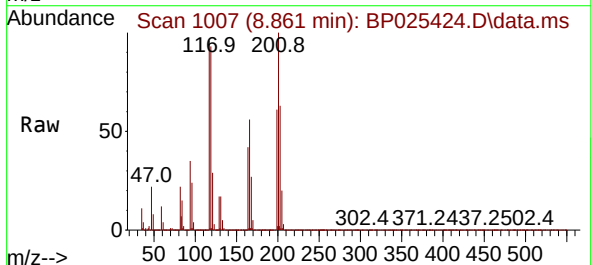
Instrument :
BNA_P
ClientSampleId :
PB169230BS



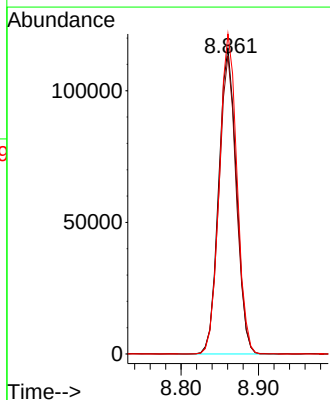
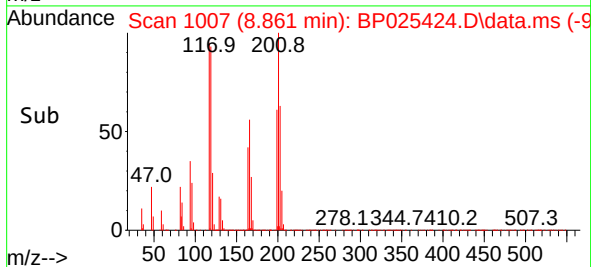
Tgt Ion:	107	Resp:	379222
Ion	Ratio	Lower	Upper
107	100		
108	110.2	89.4	134.0
77	46.5	36.3	54.5
79	45.2	36.6	54.8

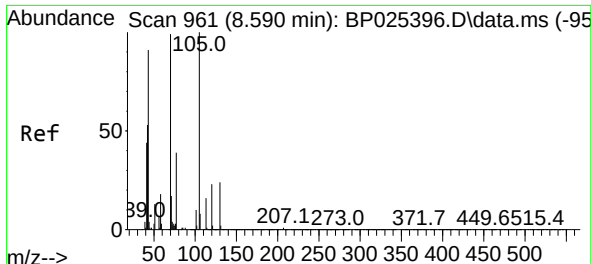


#18
Hexachloroethane
Concen: 38.719 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59



Tgt Ion:	117	Resp:	185309
Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.1	112.7
201	104.7	80.1	120.1

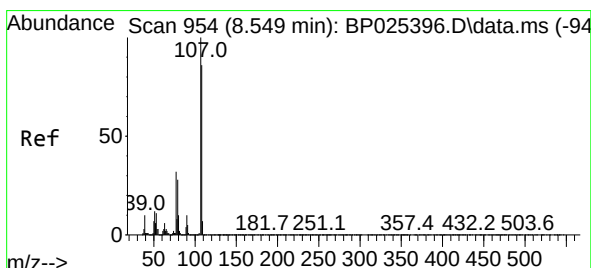
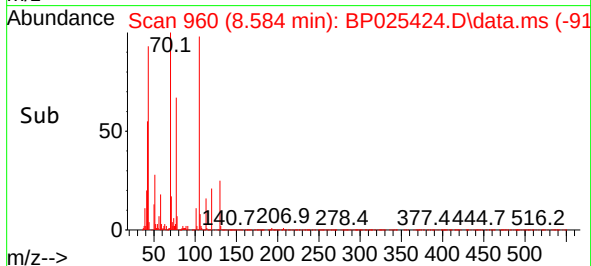
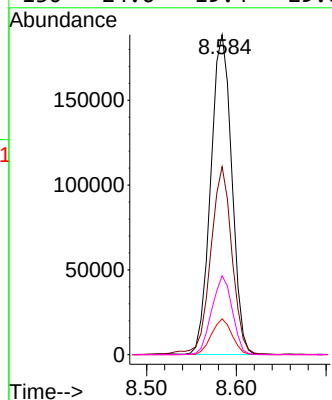
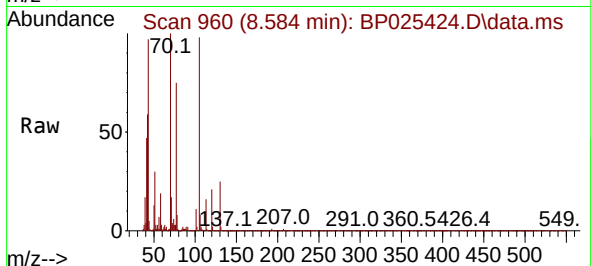




#19
n-Nitroso-di-n-propylamine
Concen: 35.282 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

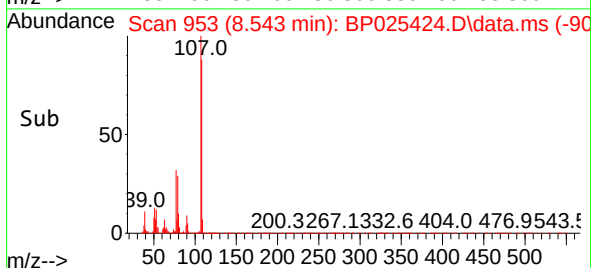
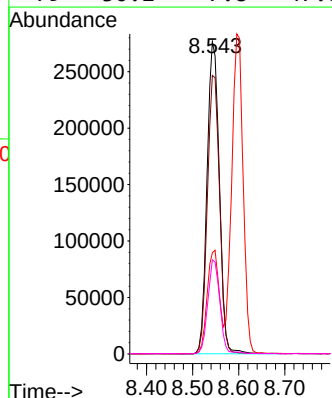
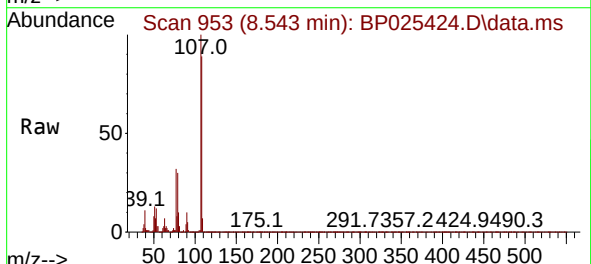
Instrument :
BNA_P
ClientSampleId :
PB169230BS

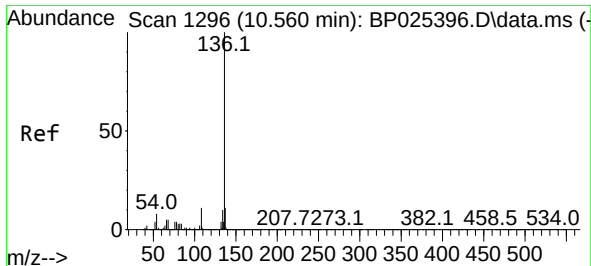
Tgt Ion: 70 Resp: 306664
Ion Ratio Lower Upper
70 100
42 58.8 43.8 65.6
101 11.2 8.5 12.7
130 24.6 19.4 29.0



#20
3+4-Methylphenols
Concen: 38.831 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 107 Resp: 514736
Ion Ratio Lower Upper
107 100
108 89.3 66.3 106.3
77 32.5 12.3 52.3
79 30.2 7.8 47.8

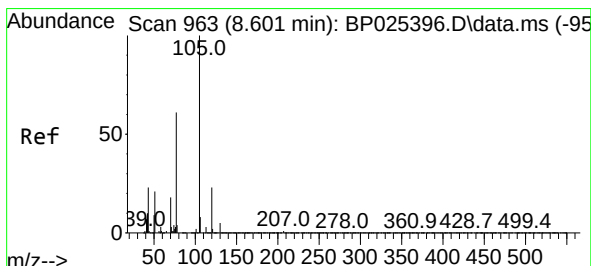
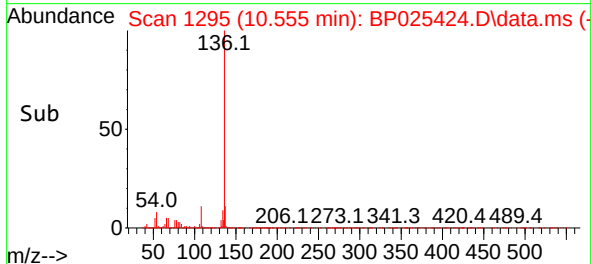
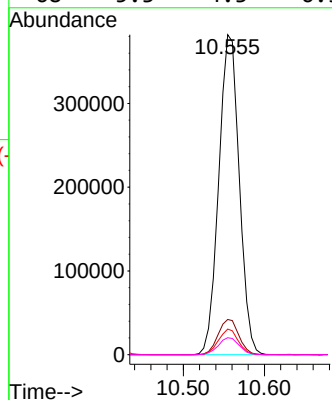
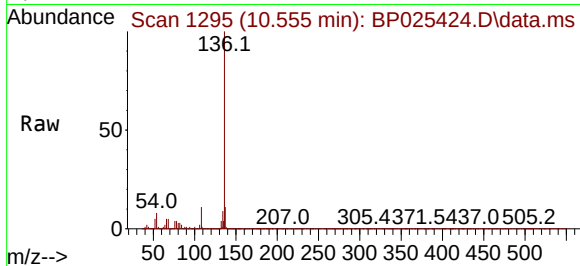




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

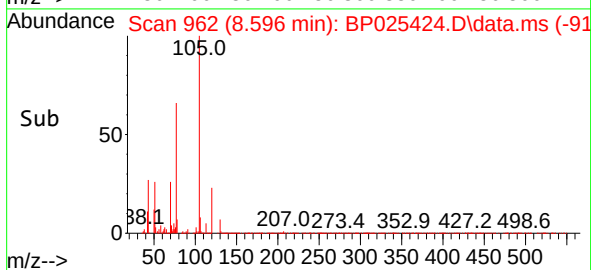
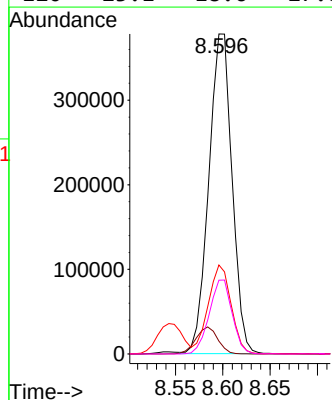
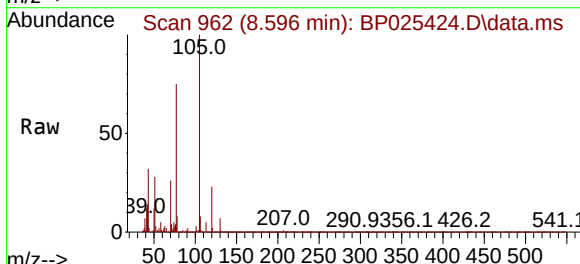
Instrument :
BNA_P
ClientSampleId :
PB169230BS

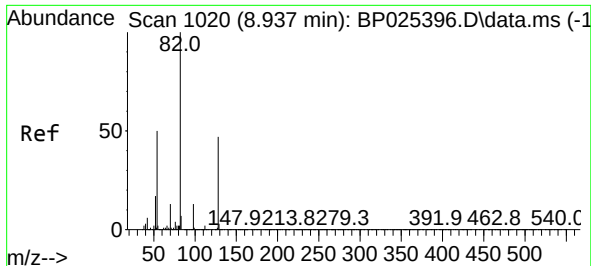
Tgt Ion:	136	Resp:	670319
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.0	6.0	9.0
68	5.3	4.3	6.5



#22
Acetophenone
Concen: 38.428 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:	105	Resp:	645991
Ion	Ratio	Lower	Upper
105	100		
71	4.0	2.6	4.0#
51	27.8	20.6	30.8
120	23.1	18.6	27.8

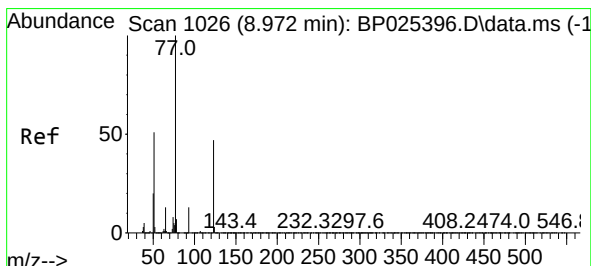
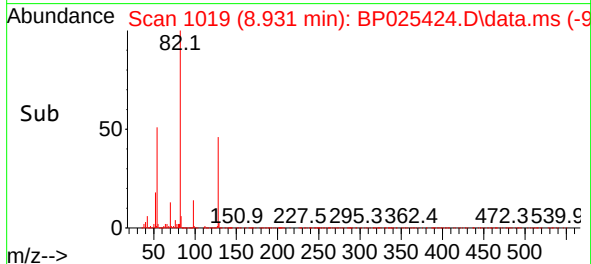
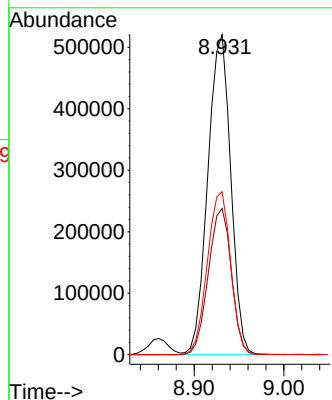
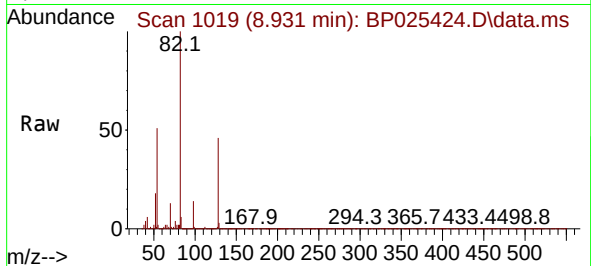




#23
Nitrobenzene-d5
Concen: 69.619 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

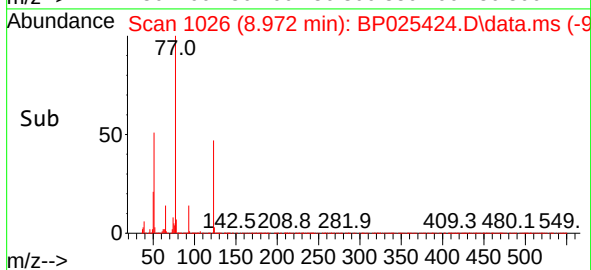
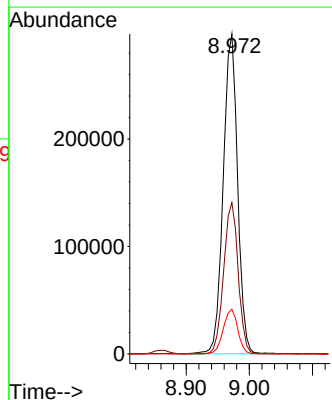
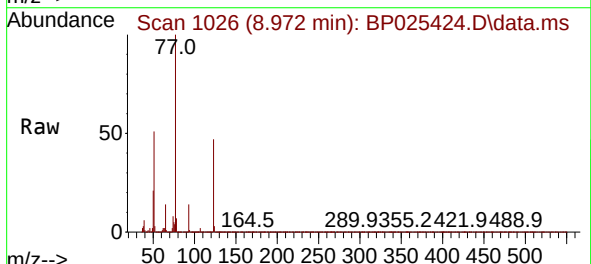
Instrument :
BNA_P
ClientSampleId :
PB169230BS

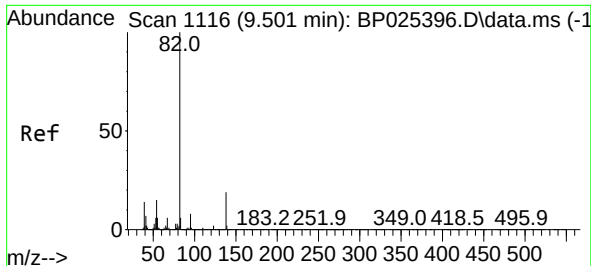
Tgt Ion: 82 Resp: 922542
Ion Ratio Lower Upper
82 100
128 45.7 37.7 56.5
54 50.9 39.8 59.6



#24
Nitrobenzene
Concen: 39.722 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 77 Resp: 470422
Ion Ratio Lower Upper
77 100
123 47.3 38.6 58.0
65 14.0 10.6 15.8

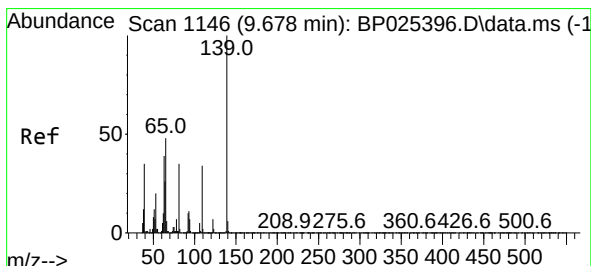
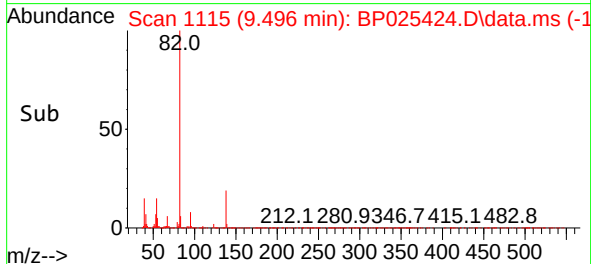
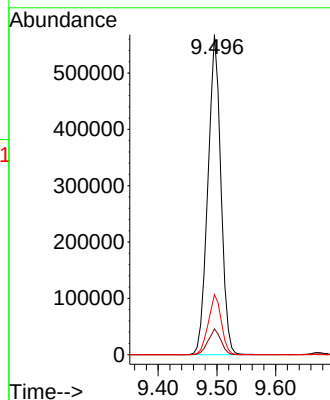
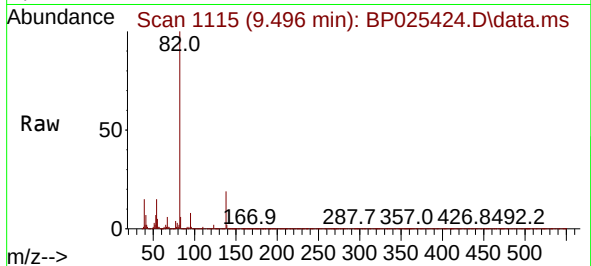




#25
Isophorone
Concen: 36.989 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

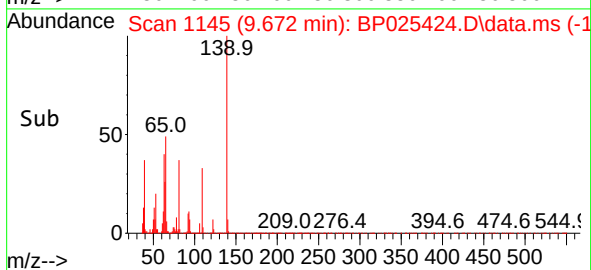
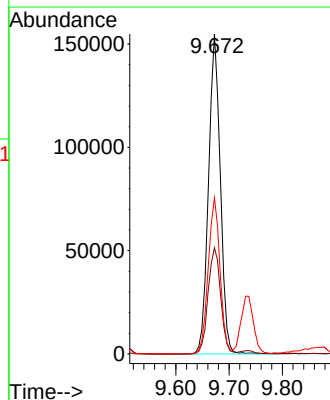
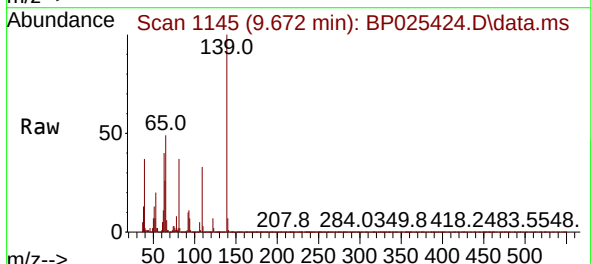
Instrument :
BNA_P
ClientSampleId :
PB169230BS

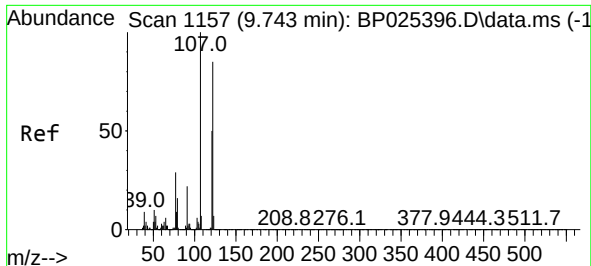
Tgt Ion: 82 Resp: 867444
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.7 15.4 23.0



#26
2-Nitrophenol
Concen: 39.160 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 139 Resp: 238004
Ion Ratio Lower Upper
139 100
109 33.2 26.9 40.3
65 48.8 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 40.790 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

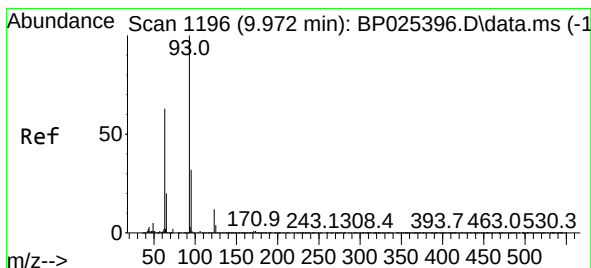
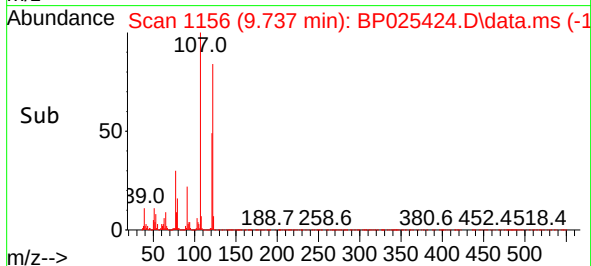
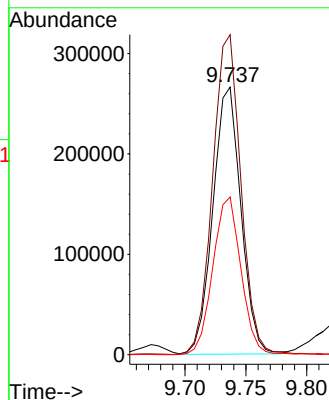
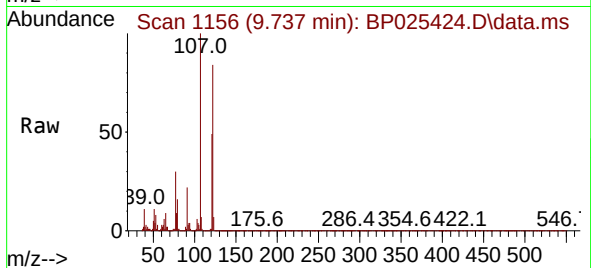
Tgt Ion:122 Resp: 426335

Ion Ratio Lower Upper

122 100

107 119.6 93.7 140.5

121 59.0 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 37.610 ng

RT: 9.966 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

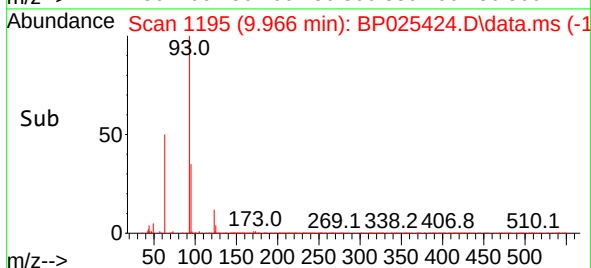
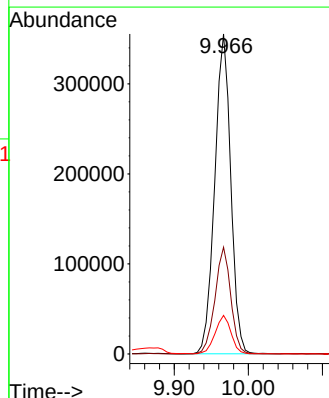
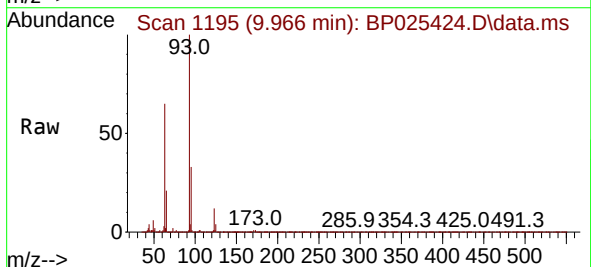
Tgt Ion: 93 Resp: 533145

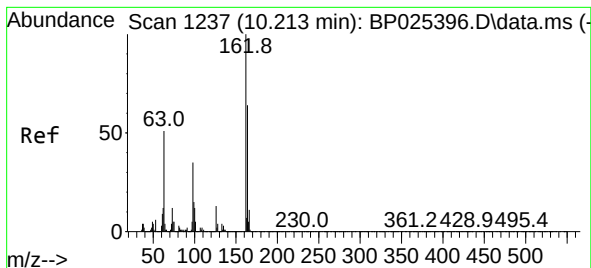
Ion Ratio Lower Upper

93 100

95 33.4 25.4 38.0

123 12.0 9.4 14.0

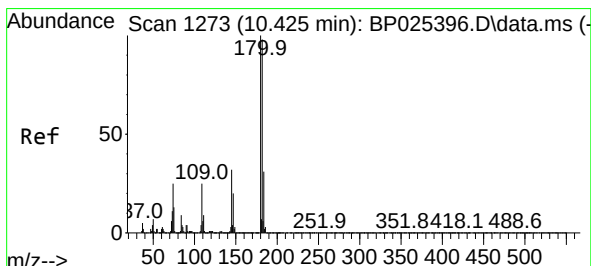
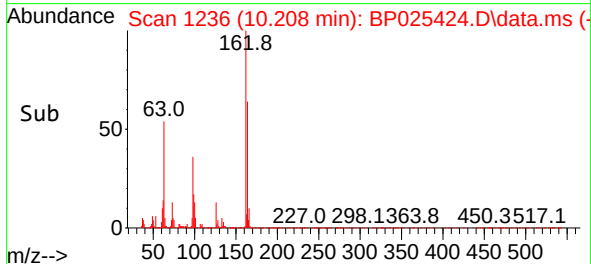
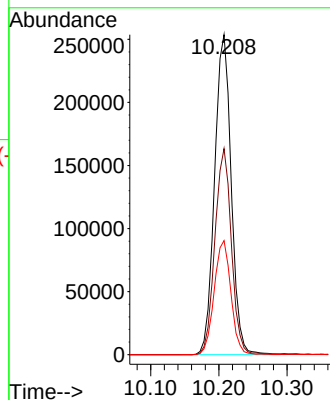
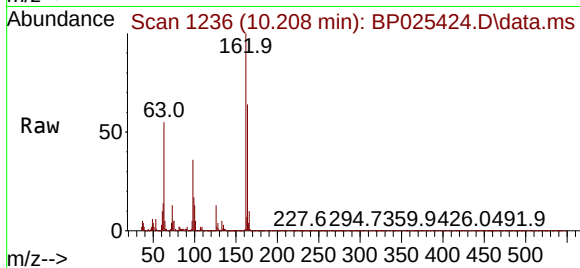




#29
2,4-Dichlorophenol
Concen: 41.501 ng
RT: 10.208 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

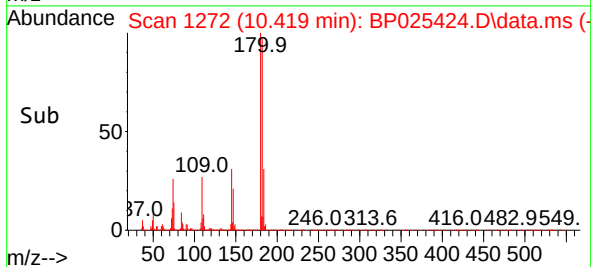
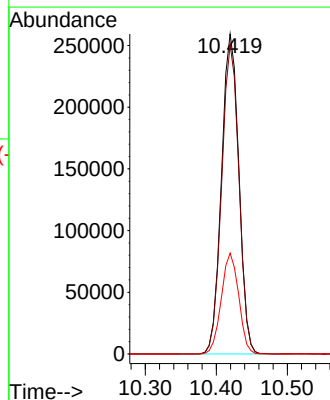
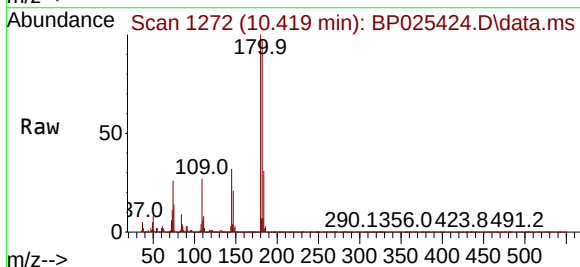
Instrument :
BNA_P
ClientSampleId :
PB169230BS

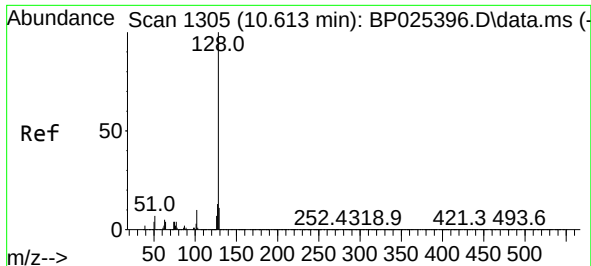
Tgt Ion:162 Resp: 430899
Ion Ratio Lower Upper
162 100
164 64.4 44.4 84.4
98 35.7 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 38.606 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:180 Resp: 439417
Ion Ratio Lower Upper
180 100
182 96.7 78.0 117.0
145 31.5 25.9 38.9

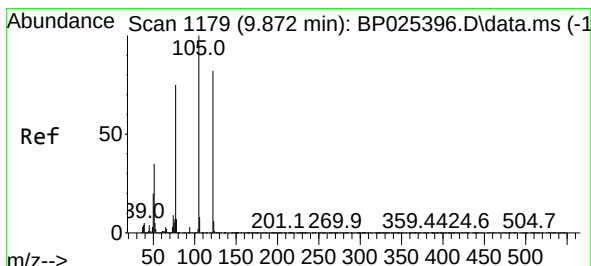
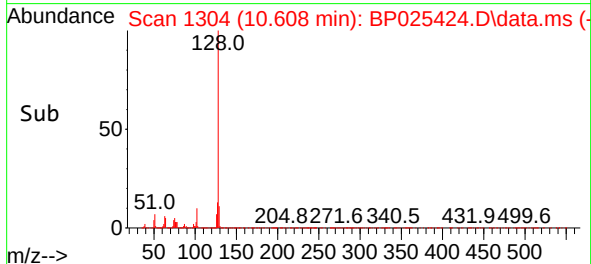
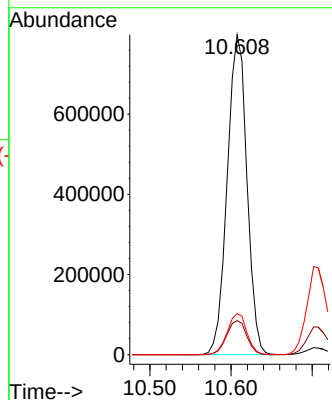
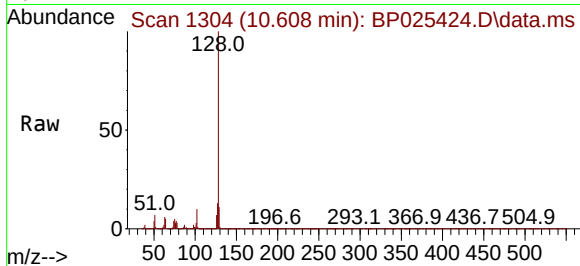




#31
Naphthalene
Concen: 38.560 ng
RT: 10.608 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

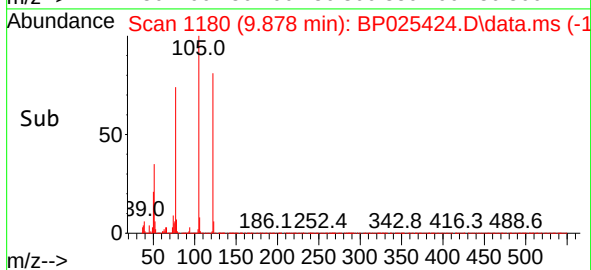
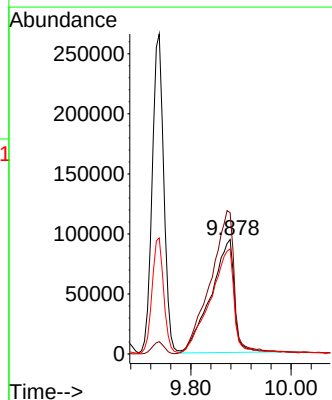
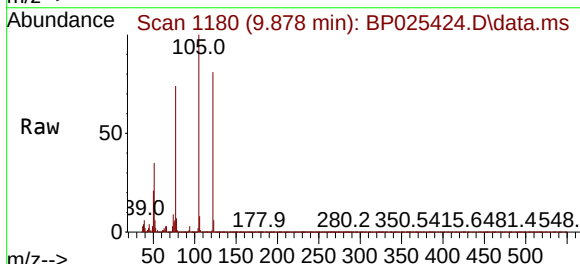
Instrument :
BNA_P
ClientSampleId :
PB169230BS

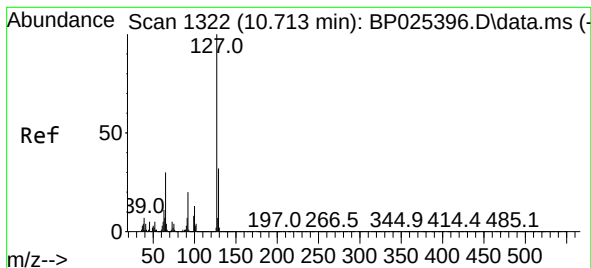
Tgt Ion:128 Resp: 1343452
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.9 10.7 16.1



#32
Benzoic acid
Concen: 39.703 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:122 Resp: 306370
Ion Ratio Lower Upper
122 100
105 123.6 100.6 140.6
77 91.9 71.5 111.5

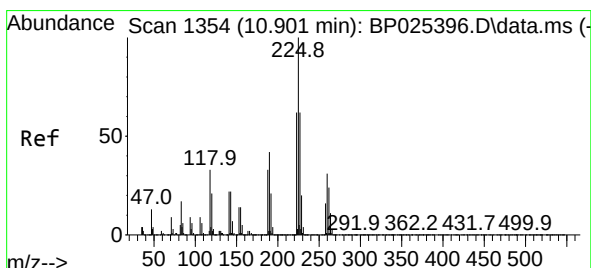
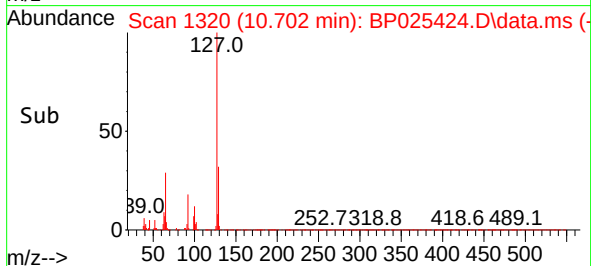
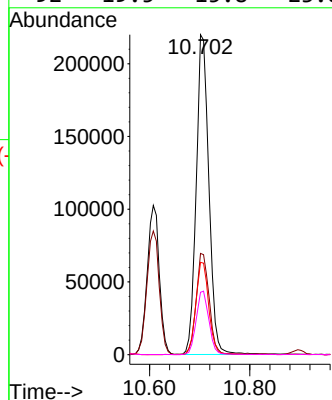
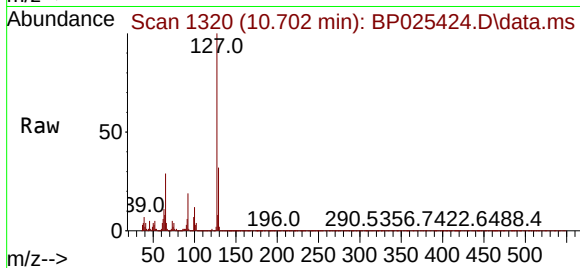




#33
4-Chloroaniline
Concen: 25.043 ng
RT: 10.702 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

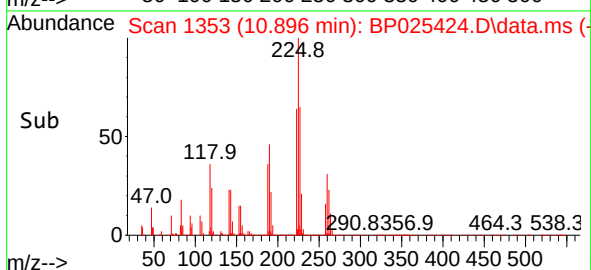
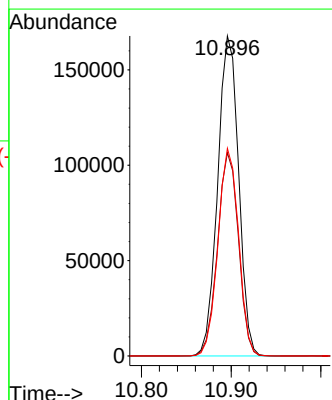
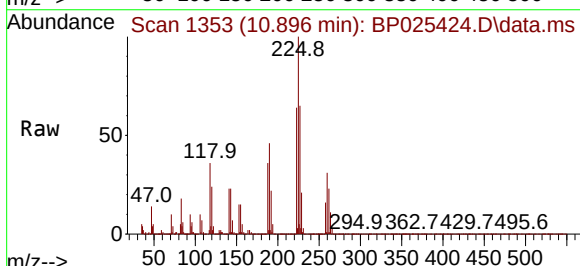
Instrument :
BNA_P
ClientSampleId :
PB169230BS

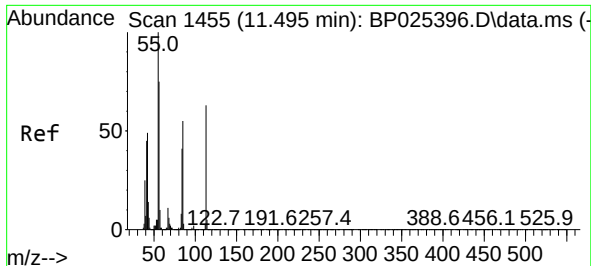
Tgt Ion:	127	Resp:	385406
Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.4	38.2
65	28.8	23.8	35.6
92	19.5	15.8	23.8



#34
Hexachlorobutadiene
Concen: 38.391 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:	225	Resp:	272129
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.0	75.0
227	64.9	49.7	74.5

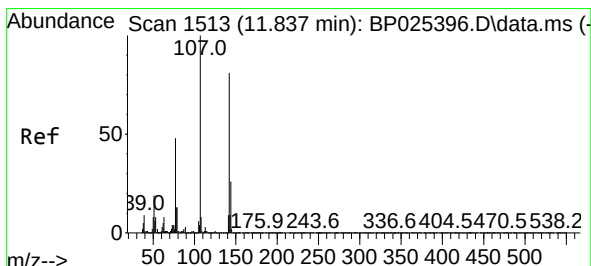
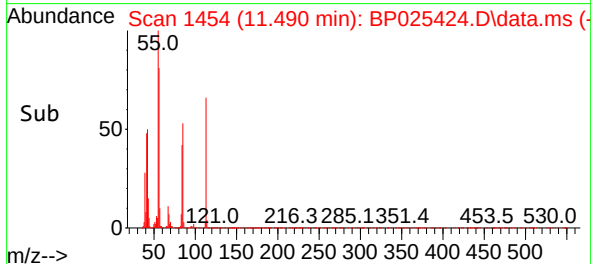
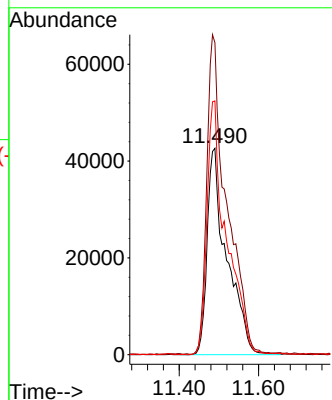
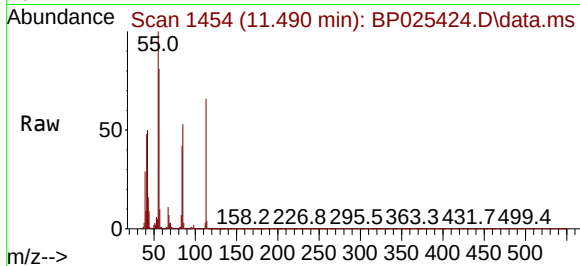




#35
Caprolactam
Concen: 38.511 ng
RT: 11.490 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

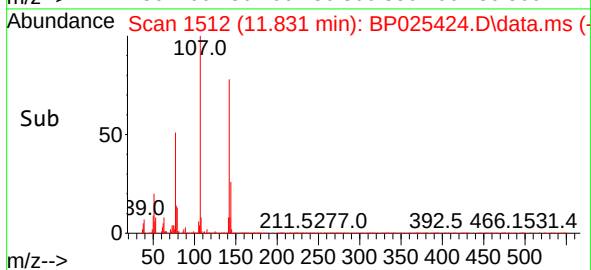
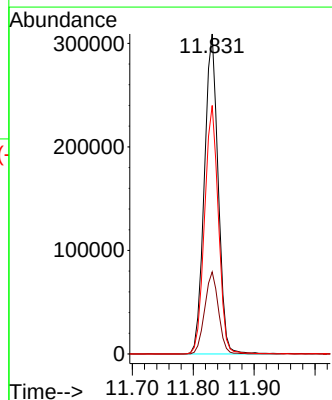
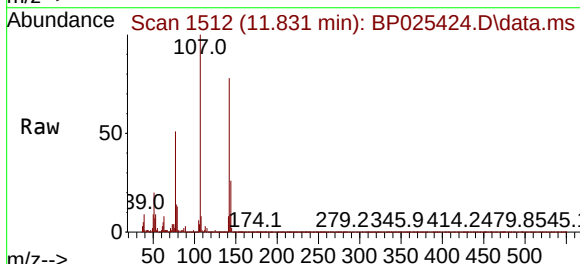
Instrument :
BNA_P
ClientSampleId :
PB169230BS

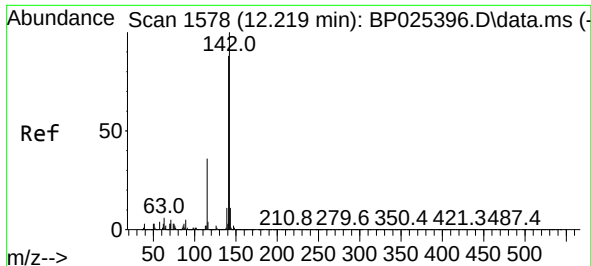
Tgt Ion:113 Resp: 146622
Ion Ratio Lower Upper
113 100
55 151.2 140.0 180.0
56 122.9 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 40.832 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:107 Resp: 486472
Ion Ratio Lower Upper
107 100
144 25.7 21.0 31.4
142 77.6 64.6 97.0

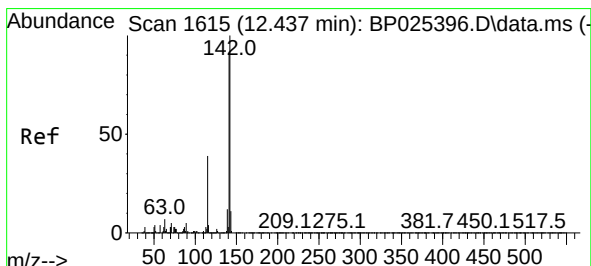
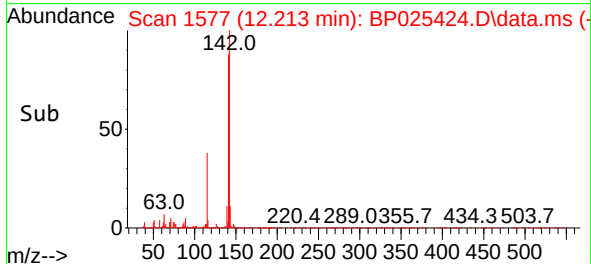
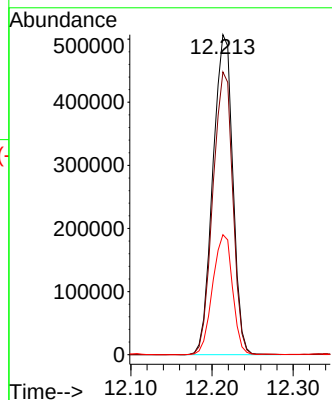
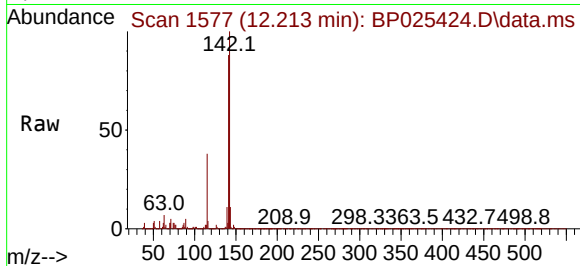




#37
2-Methylnaphthalene
Concen: 38.128 ng
RT: 12.213 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

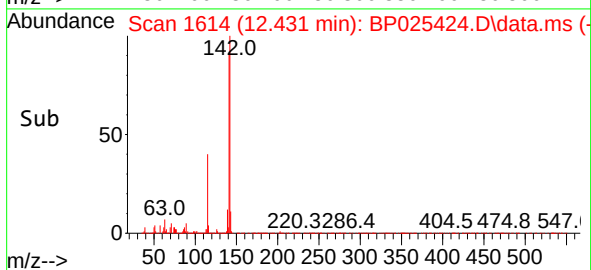
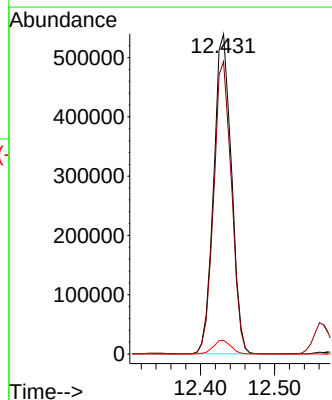
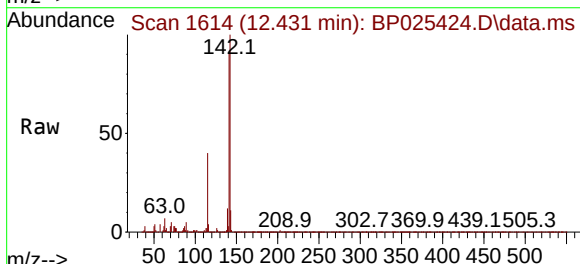
Instrument :
BNA_P
ClientSampleId :
PB169230BS

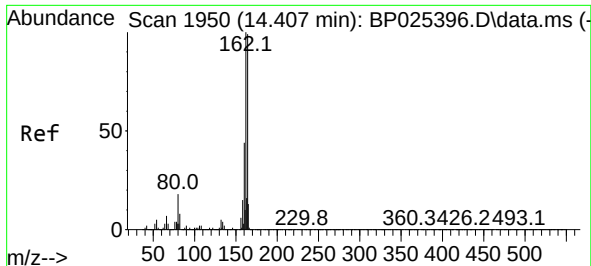
Tgt Ion:142 Resp: 864478
Ion Ratio Lower Upper
142 100
141 88.4 70.3 105.5
115 37.5 28.9 43.3



#38
1-Methylnaphthalene
Concen: 37.251 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:142 Resp: 898180
Ion Ratio Lower Upper
142 100
141 91.3 73.1 109.7
116 4.3 3.2 4.8

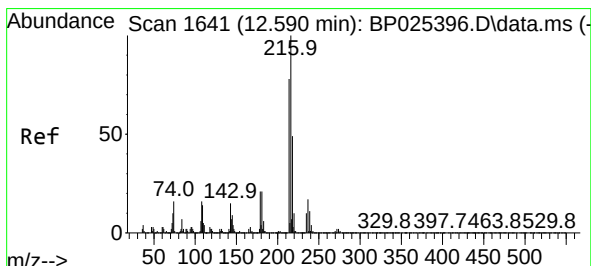
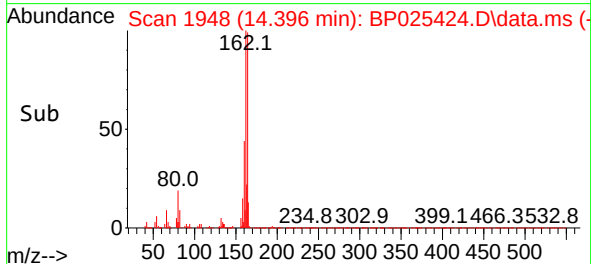
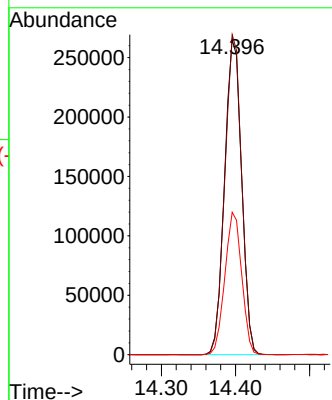
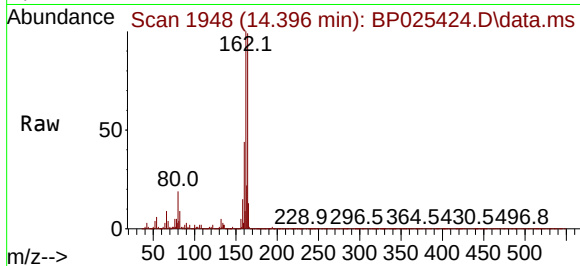




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

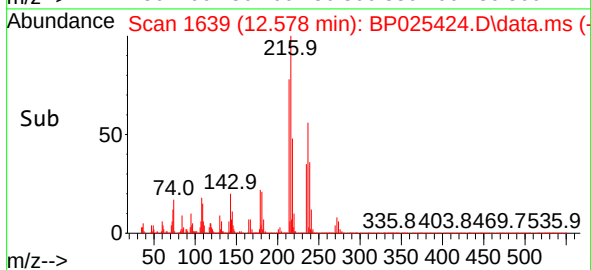
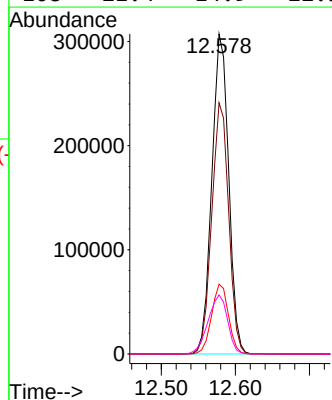
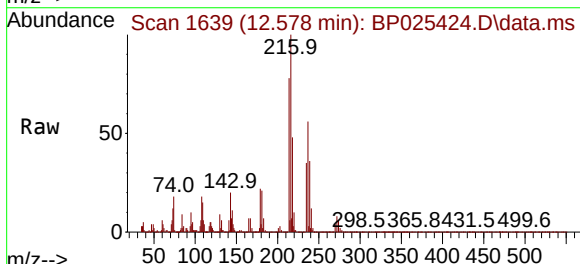
Instrument :
BNA_P
ClientSampleId :
PB169230BS

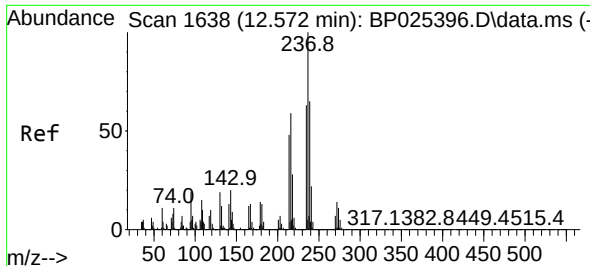
Tgt Ion:164 Resp: 424018
Ion Ratio Lower Upper
164 100
162 101.5 81.0 121.6
160 45.2 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.457 ng
RT: 12.578 min Scan# 1639
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:216 Resp: 483197
Ion Ratio Lower Upper
216 100
214 79.0 63.0 94.4
179 21.9 17.1 25.7
108 21.4 14.9 22.3

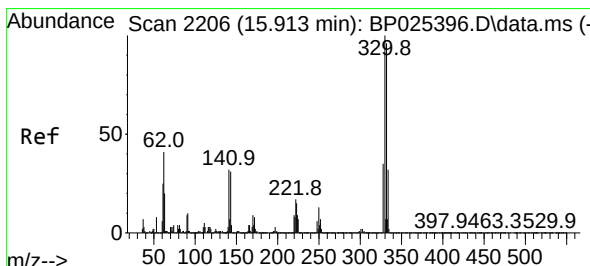
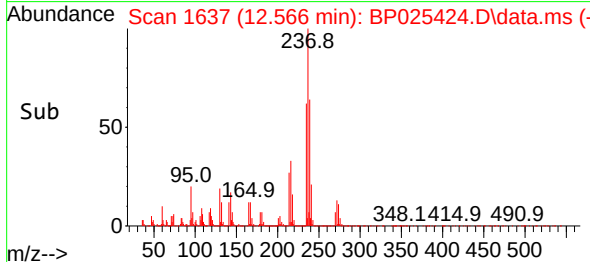
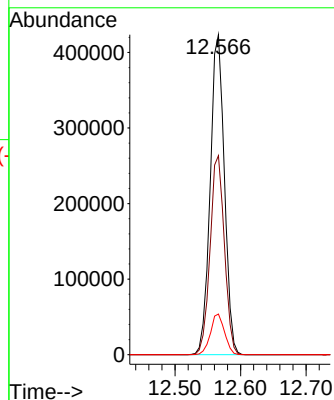
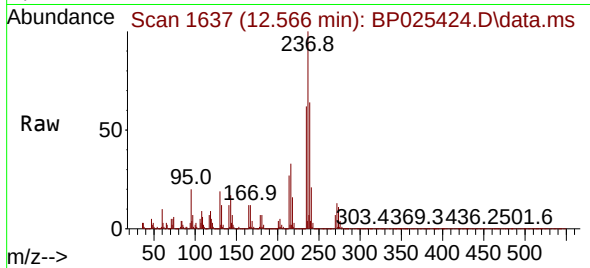




#41
Hexachlorocyclopentadiene
Concen: 86.005 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

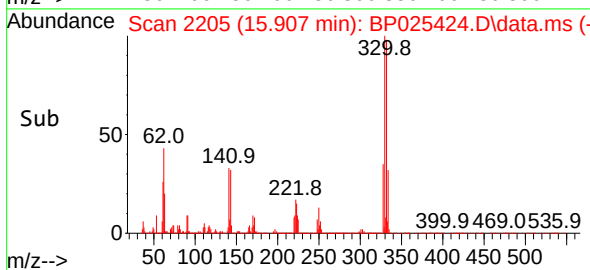
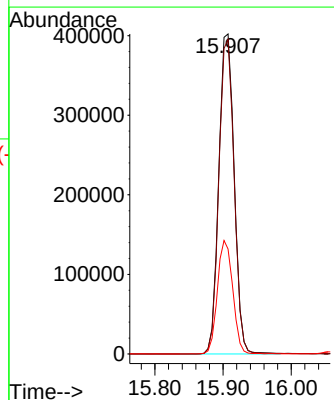
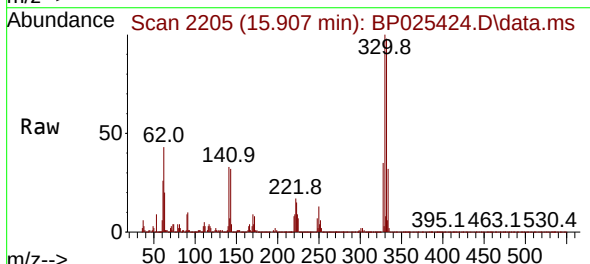
Instrument :
BNA_P
ClientSampleId :
PB169230BS

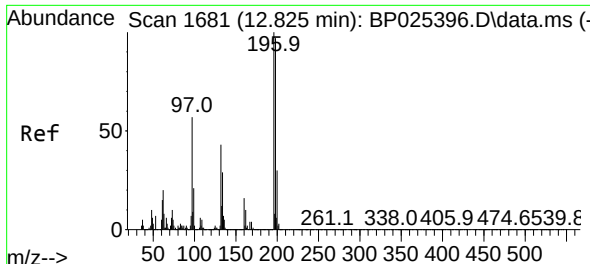
Tgt Ion:237 Resp: 636193
Ion Ratio Lower Upper
237 100
235 62.2 42.7 82.7
272 12.7 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 110.863 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:330 Resp: 632733
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 35.4 26.6 39.8

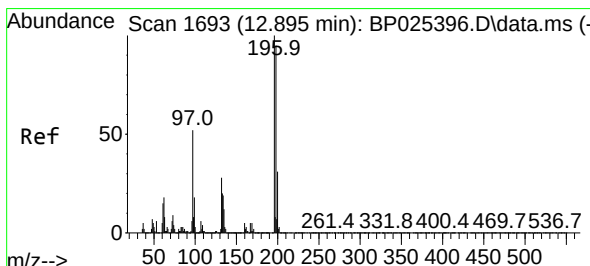
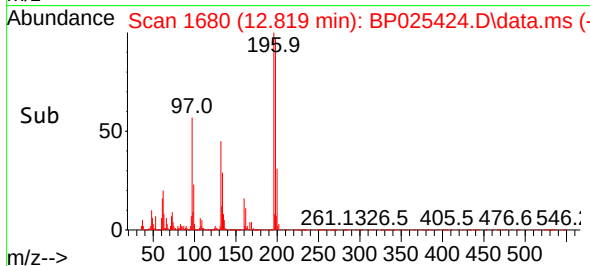
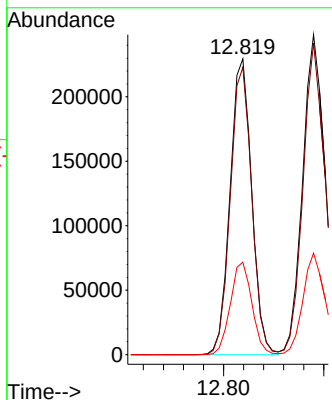
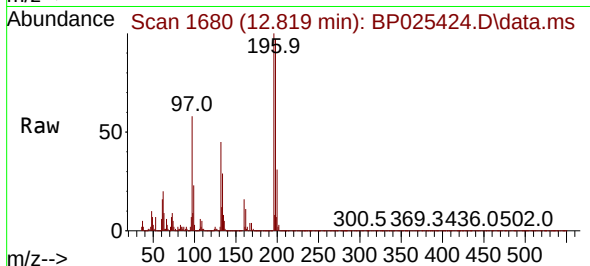




#43
2,4,6-Trichlorophenol
Concen: 41.596 ng
RT: 12.819 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

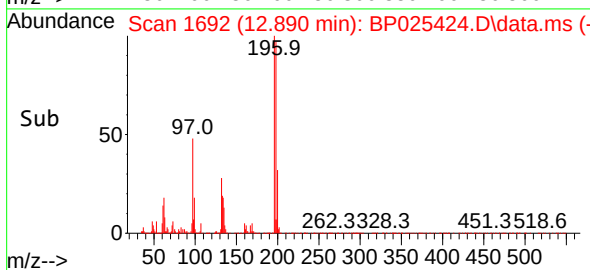
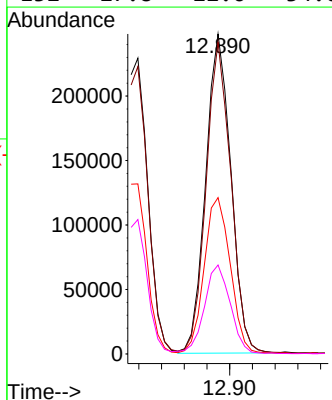
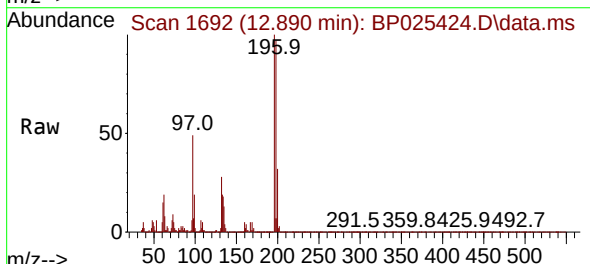
Instrument :
BNA_P
ClientSampleId :
PB169230BS

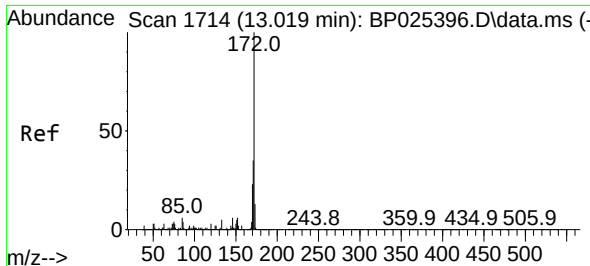
Tgt Ion:196 Resp: 343891
Ion Ratio Lower Upper
196 100
198 97.1 77.2 115.8
200 31.3 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 42.128 ng
RT: 12.890 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:196 Resp: 381721
Ion Ratio Lower Upper
196 100
198 97.4 76.2 114.2
97 48.8 41.2 61.8
132 27.8 22.6 34.0

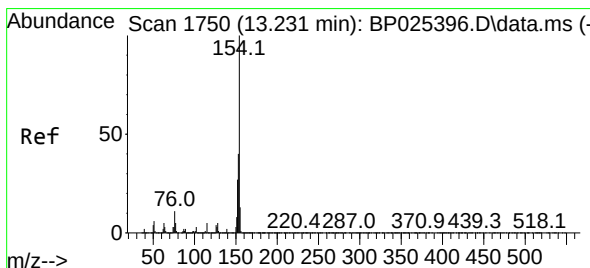
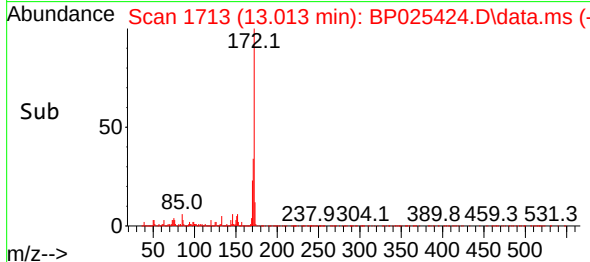
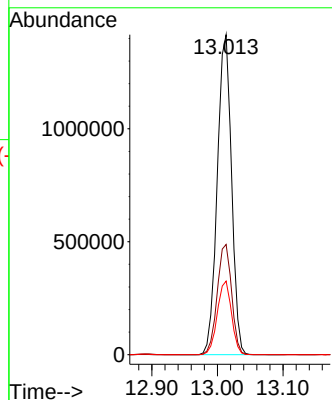
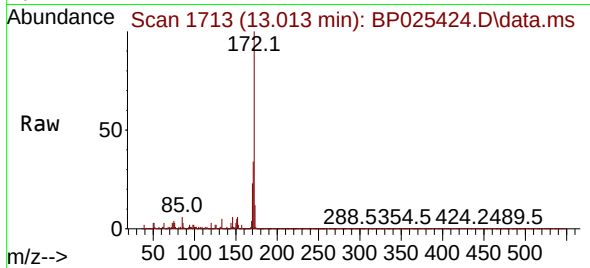




#45
2-Fluorobiphenyl
Concen: 68.614 ng
RT: 13.013 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

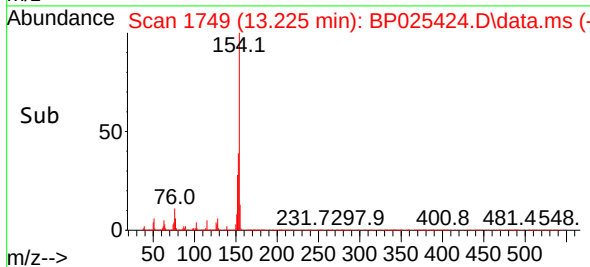
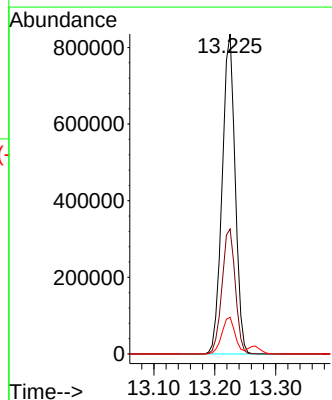
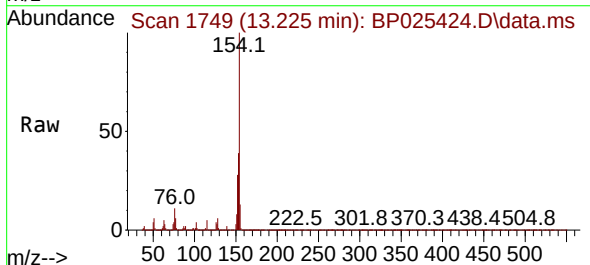
Instrument :
BNA_P
ClientSampleId :
PB169230BS

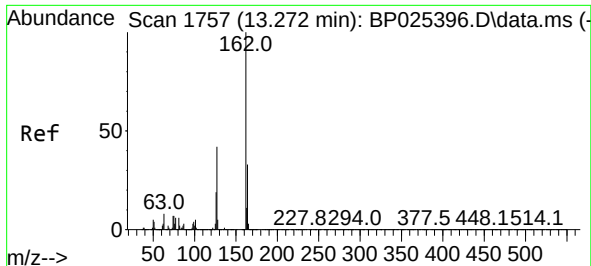
Tgt Ion:172 Resp: 2128772
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.0 18.6 28.0



#46
1,1'-Biphenyl
Concen: 40.134 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:154 Resp: 1235911
Ion Ratio Lower Upper
154 100
153 39.0 19.5 59.5
76 11.5 0.0 31.1

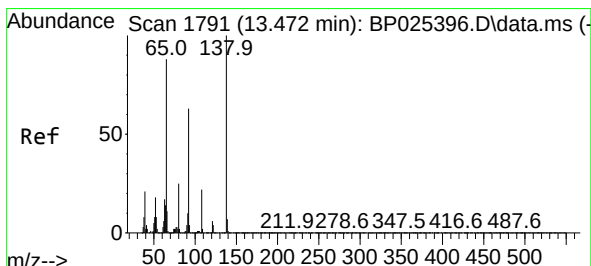
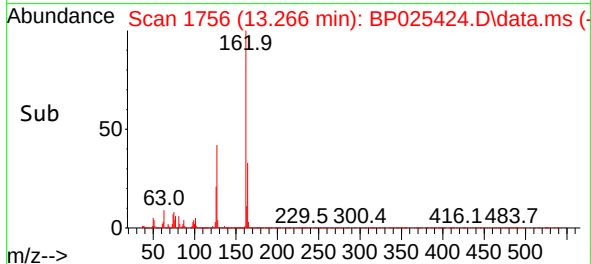
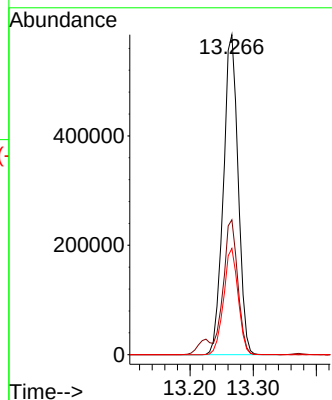
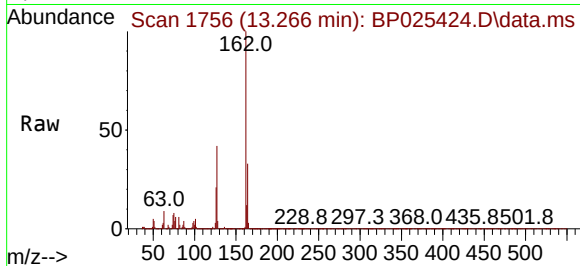




#47
2-Chloronaphthalene
Concen: 39.620 ng
RT: 13.266 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

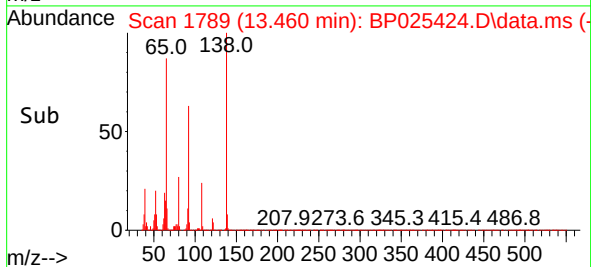
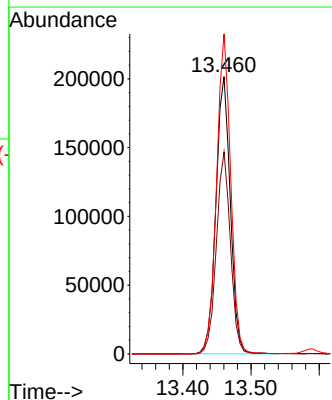
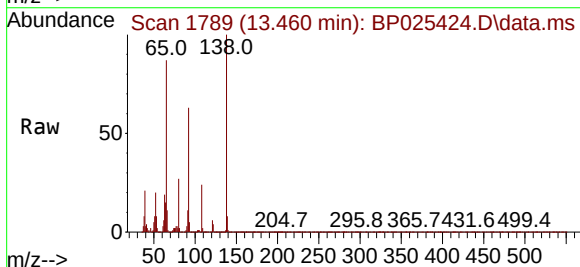
Instrument :
BNA_P
ClientSampleId :
PB169230BS

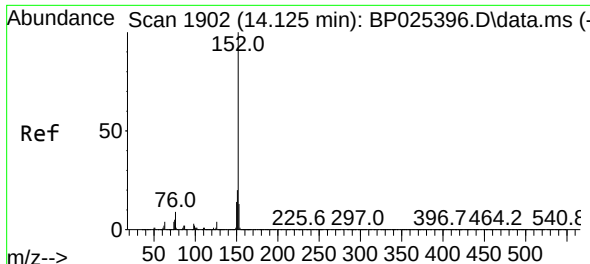
Tgt Ion:162 Resp: 949832
Ion Ratio Lower Upper
162 100
127 42.2 33.4 50.2
164 33.2 26.2 39.2



#48
2-Nitroaniline
Concen: 42.432 ng
RT: 13.460 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 65 Resp: 296397
Ion Ratio Lower Upper
65 100
92 72.8 57.6 86.4
138 115.4 91.0 136.6

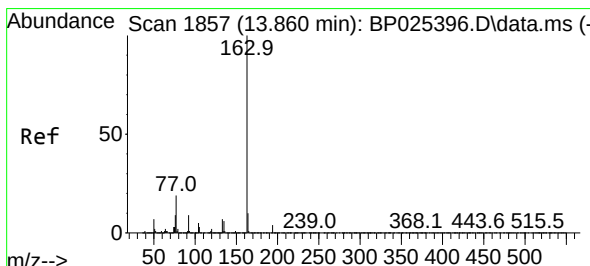
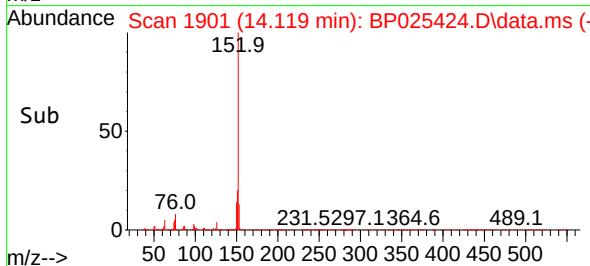
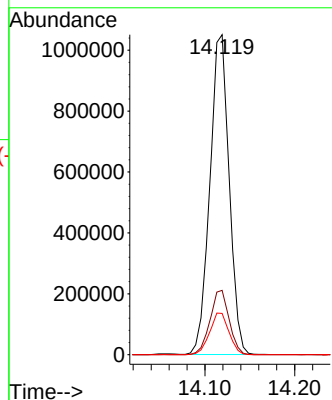
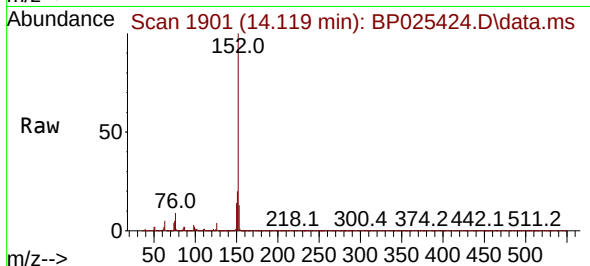




#49
Acenaphthylene
Concen: 39.531 ng
RT: 14.119 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

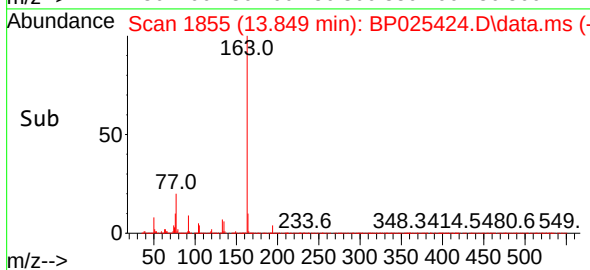
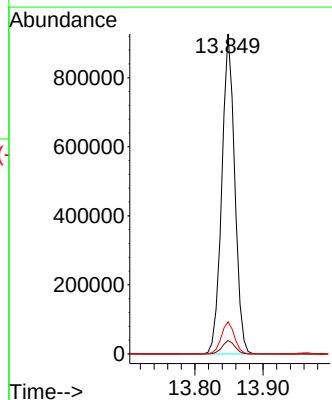
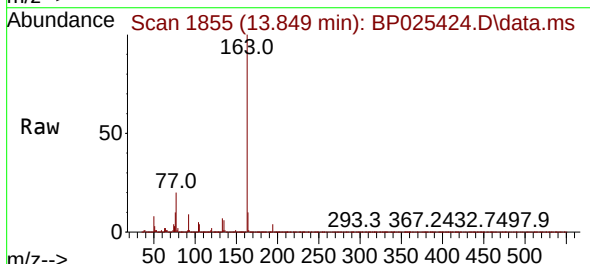
Instrument :
BNA_P
ClientSampleId :
PB169230BS

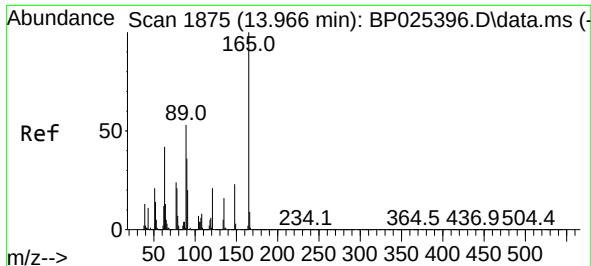
Tgt Ion:152 Resp: 1568169
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 12.9 10.6 15.8



#50
Dimethylphthalate
Concen: 39.412 ng
RT: 13.849 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:163 Resp: 1223759
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.0 7.9 11.9

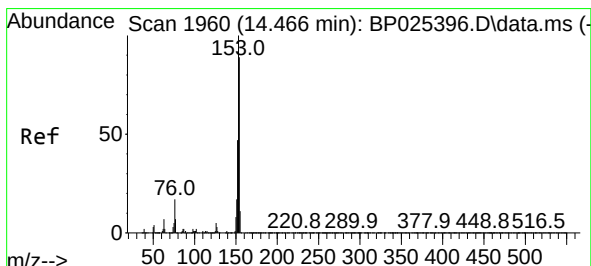
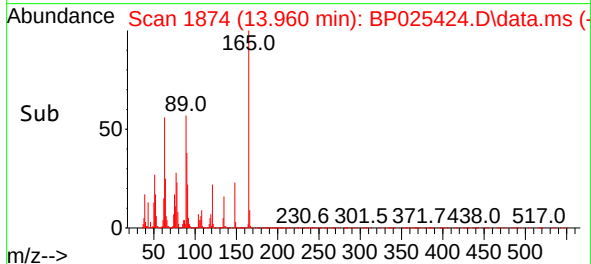
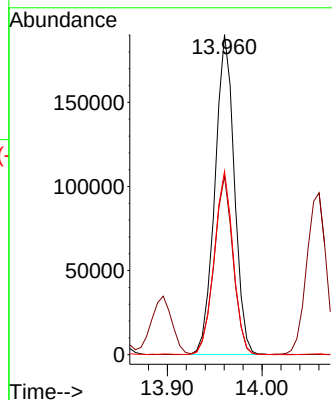
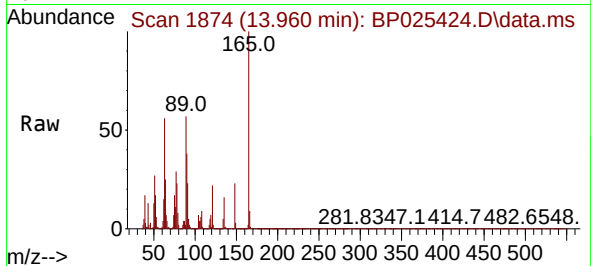




#51
2,6-Dinitrotoluene
Concen: 41.309 ng
RT: 13.960 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

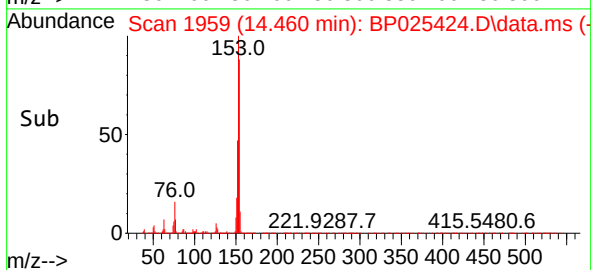
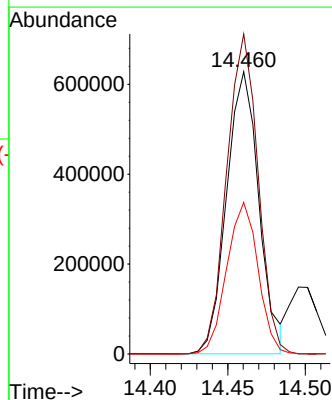
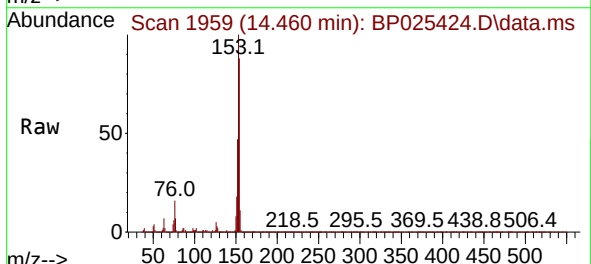
Instrument :
BNA_P
ClientSampleId :
PB169230BS

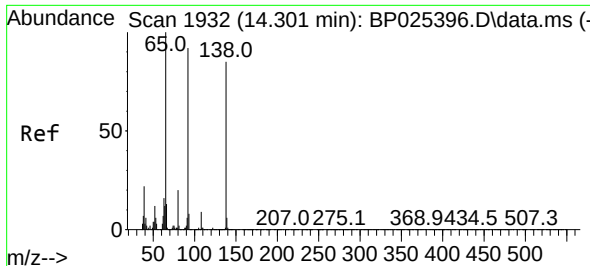
Tgt Ion:165 Resp: 270344
Ion Ratio Lower Upper
165 100
63 55.9 40.9 61.3
89 57.4 42.1 63.1



#52
Acenaphthene
Concen: 39.134 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:154 Resp: 911236
Ion Ratio Lower Upper
154 100
153 113.4 90.2 135.2
152 53.7 42.1 63.1

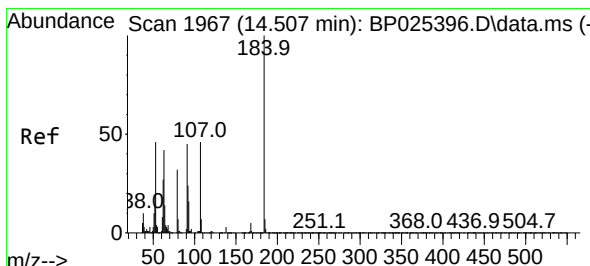
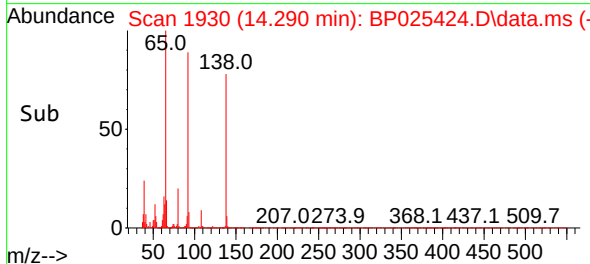
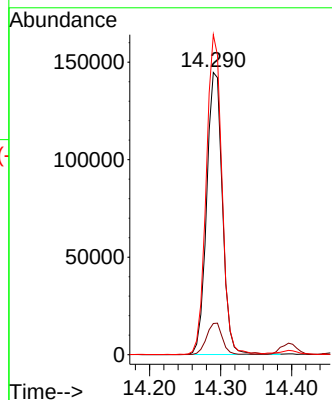
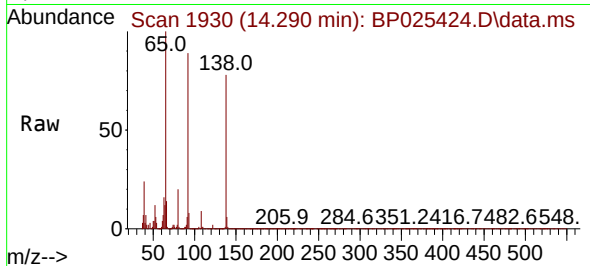




#53
3-Nitroaniline
Concen: 30.416 ng
RT: 14.290 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

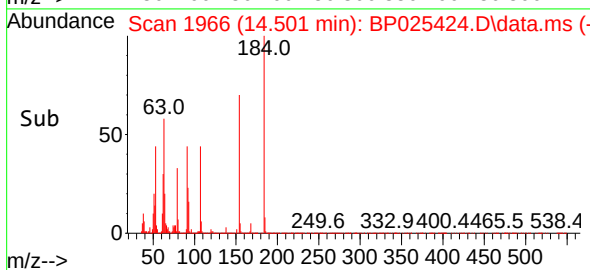
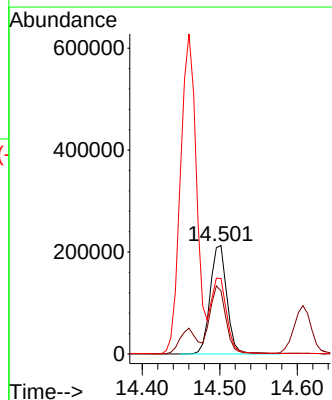
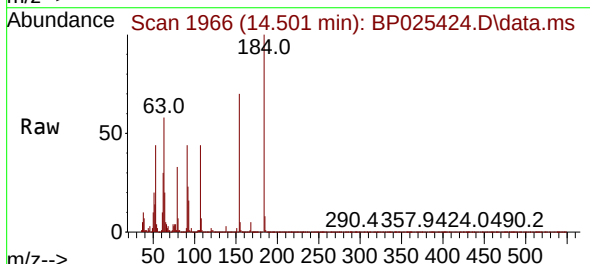
Instrument :
BNA_P
ClientSampleId :
PB169230BS

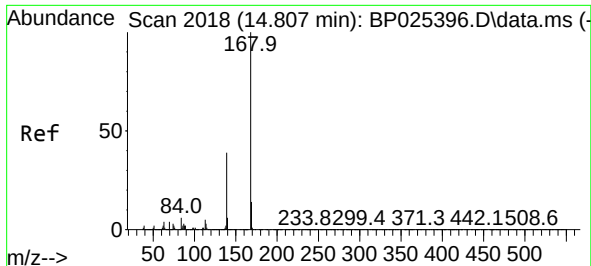
Tgt Ion:138 Resp: 223962
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 113.4 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 91.387 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:184 Resp: 319395
Ion Ratio Lower Upper
184 100
63 58.2 49.4 74.2
154 69.6 54.6 82.0

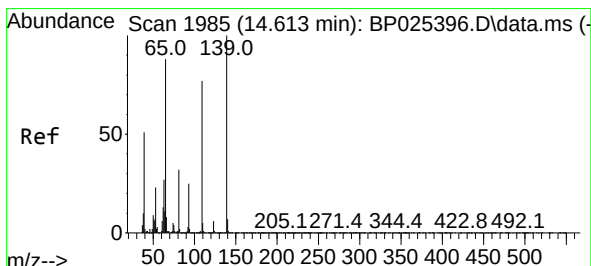
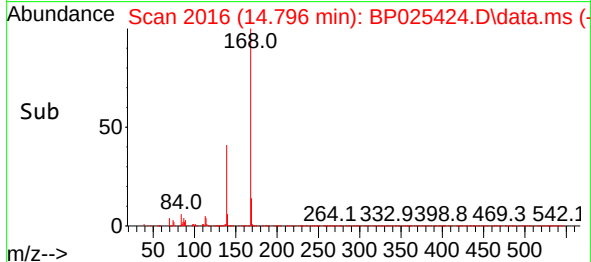
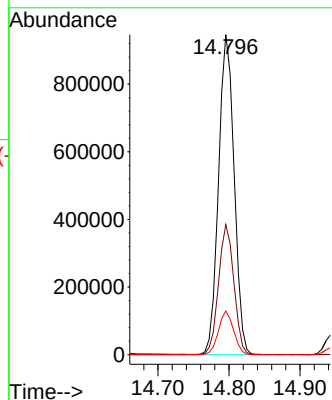
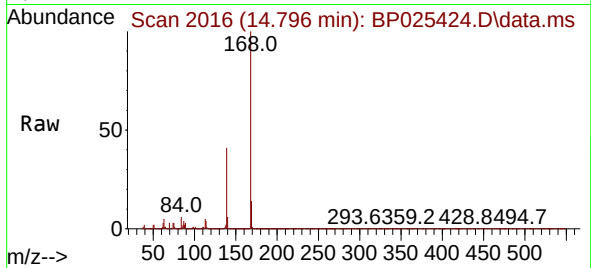




#55
Dibenzofuran
Concen: 38.997 ng
RT: 14.796 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

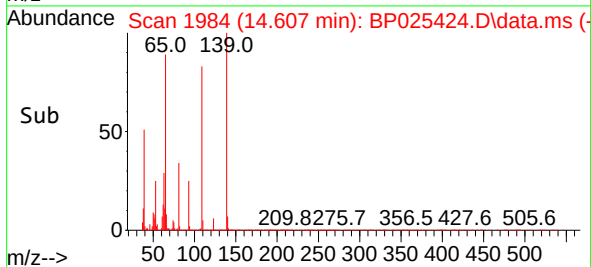
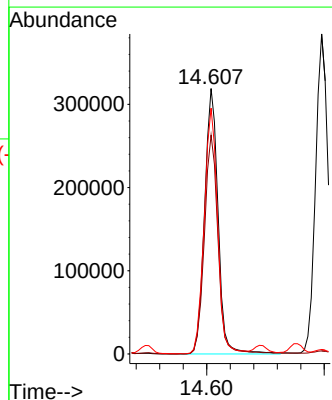
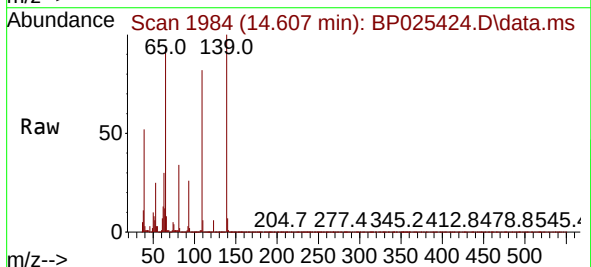
Instrument :
BNA_P
ClientSampleId :
PB169230BS

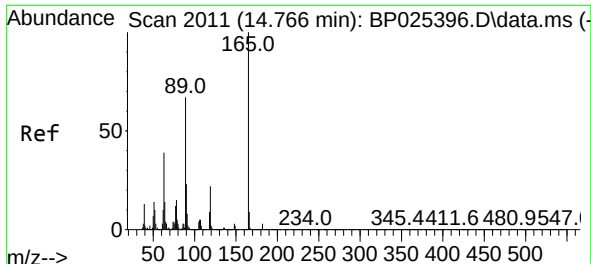
Tgt Ion:168 Resp: 1435621
Ion Ratio Lower Upper
168 100
139 40.6 31.5 47.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 84.213 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:139 Resp: 509537
Ion Ratio Lower Upper
139 100
109 82.5 56.6 96.6
65 92.6 68.2 108.2

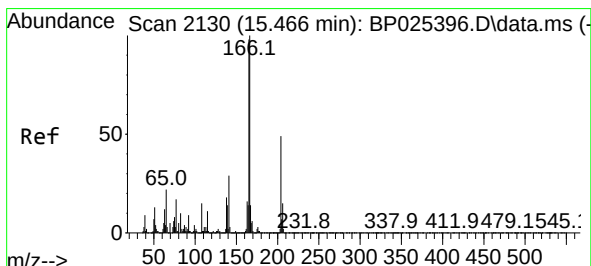
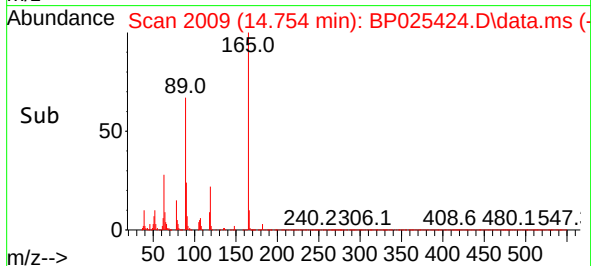
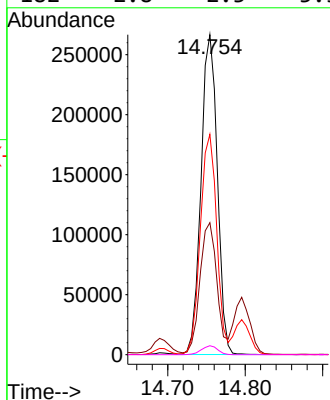
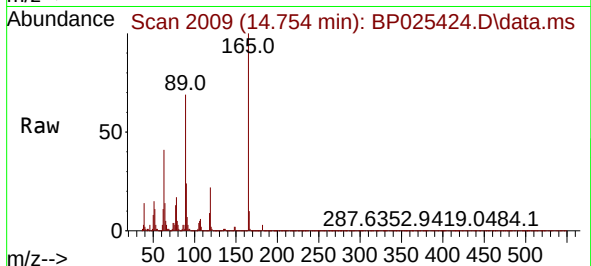




#57
2,4-Dinitrotoluene
Concen: 41.677 ng
RT: 14.754 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

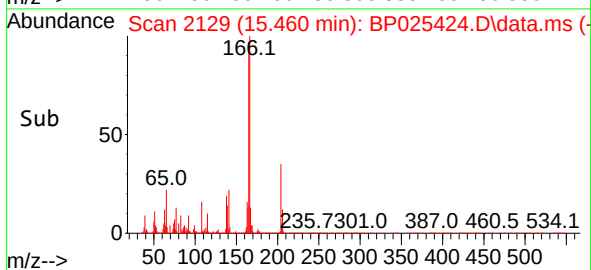
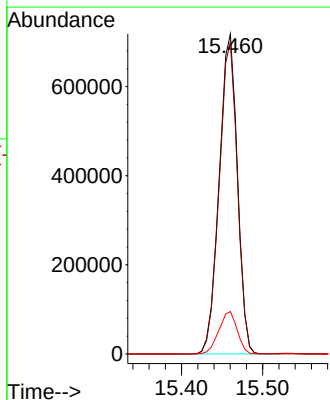
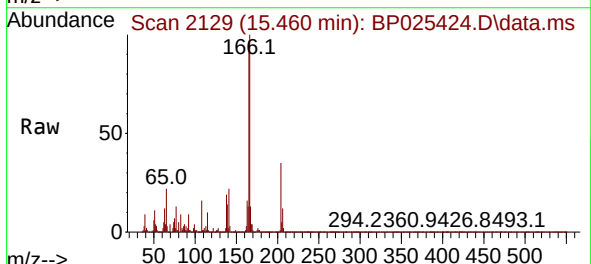
Instrument :
BNA_P
ClientSampleId :
PB169230BS

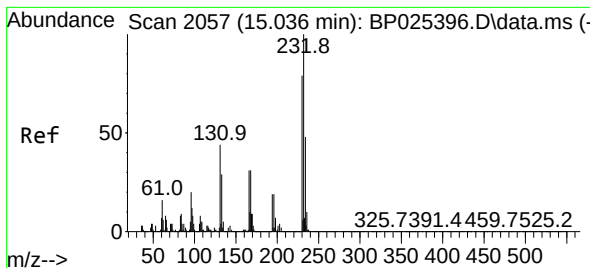
Tgt Ion:	165	Resp:	389153
Ion Ratio	Lower	Upper	
165	100		
63	41.3	31.4	47.2
89	68.9	53.3	79.9
182	2.8	2.3	3.5



#58
Fluorene
Concen: 38.689 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:	166	Resp:	1123848
Ion Ratio	Lower	Upper	
166	100		
165	97.5	78.8	118.2
167	13.3	11.0	16.4

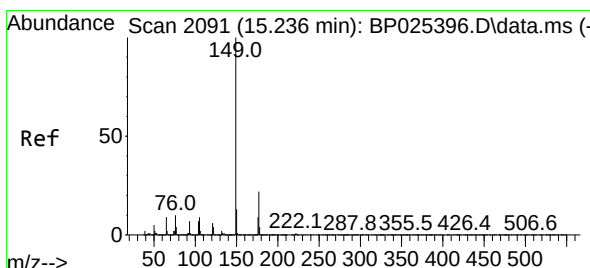
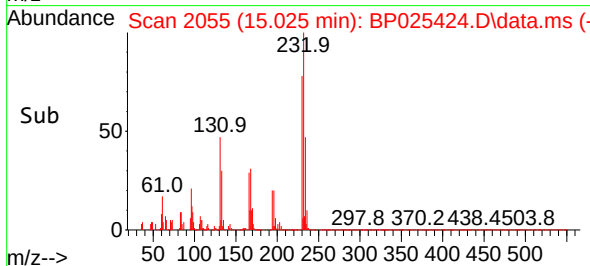
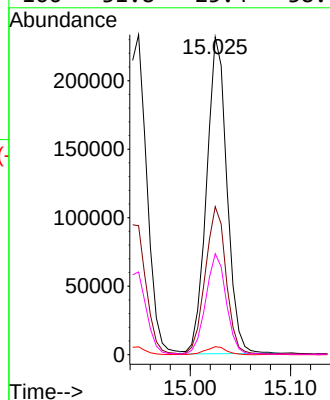
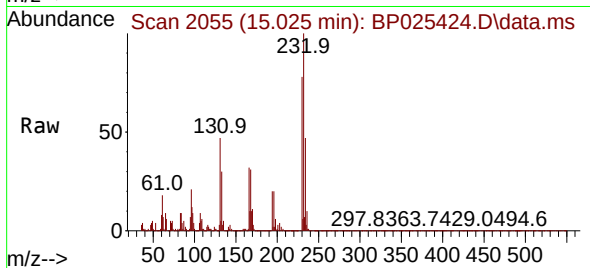




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.903 ng
RT: 15.025 min Scan# 2055
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

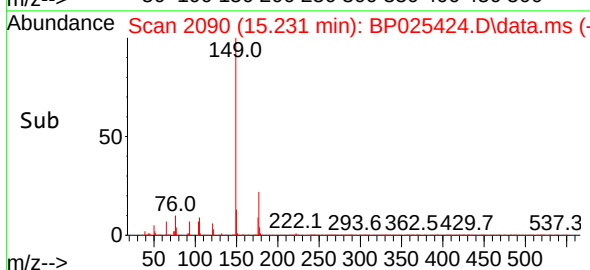
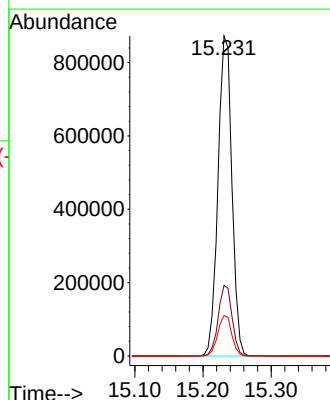
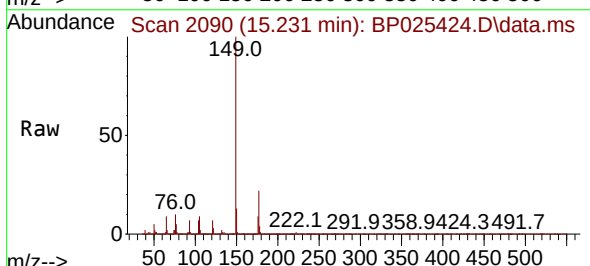
Instrument :
BNA_P
ClientSampleId :
PB169230BS

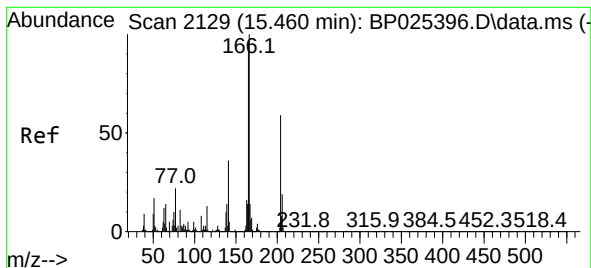
Tgt Ion:	232	Resp:	327248
Ion Ratio	Lower	Upper	
232	100		
131	47.3	37.0	55.6
130	2.6	1.9	2.9
166	31.8	25.4	38.0



#60
Diethylphthalate
Concen: 39.238 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:	149	Resp:	1237967
Ion Ratio	Lower	Upper	
149	100		
177	22.1	17.3	25.9
150	12.6	10.3	15.5

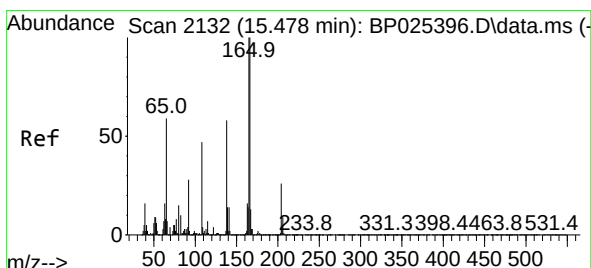
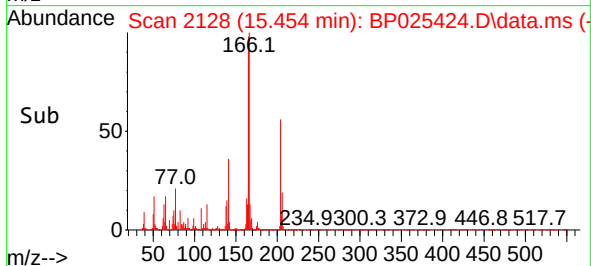
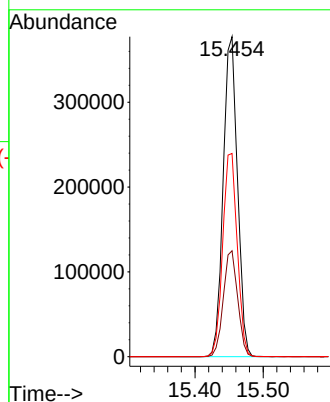
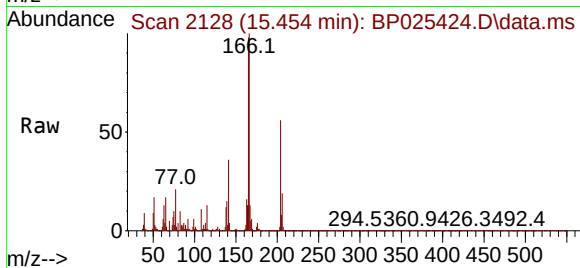




#61
4-Chlorophenyl-phenylether
Concen: 37.992 ng
RT: 15.454 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

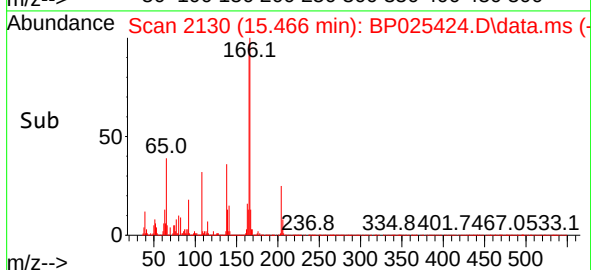
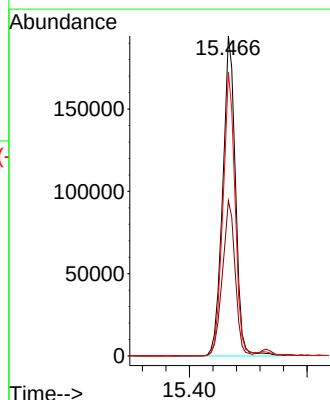
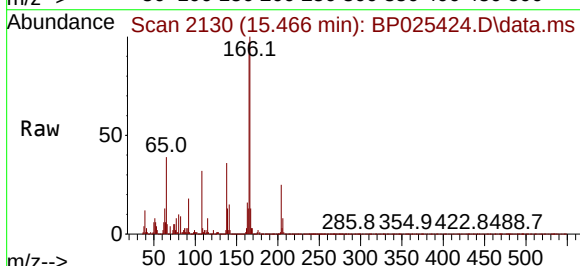
Instrument :
BNA_P
ClientSampleId :
PB169230BS

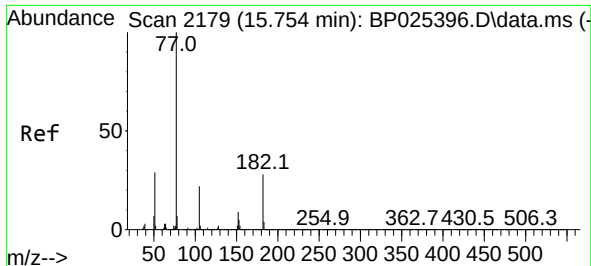
Tgt Ion:204 Resp: 548873
Ion Ratio Lower Upper
204 100
206 33.1 25.8 38.8
141 63.5 49.4 74.2



#62
4-Nitroaniline
Concen: 38.864 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:138 Resp: 293368
Ion Ratio Lower Upper
138 100
92 48.6 29.1 69.1
108 88.6 61.5 101.5



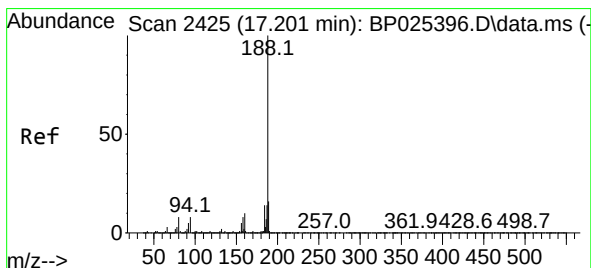
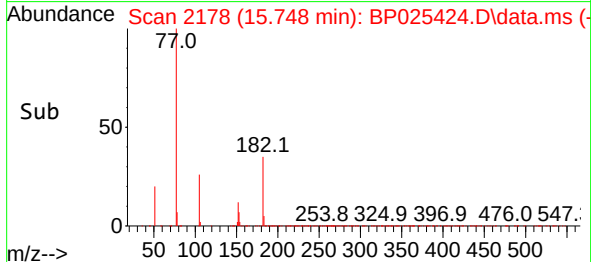
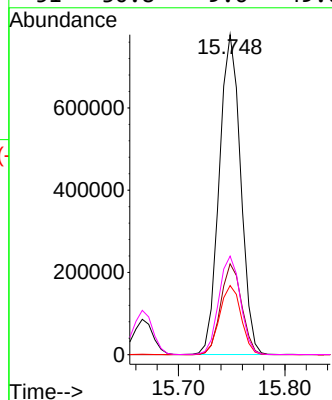
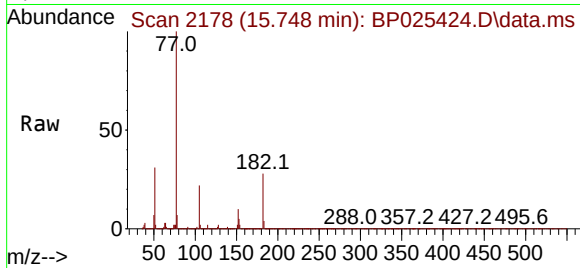


#63
Azobenzene
Concen: 40.048 ng
RT: 15.748 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
PB169230BS

Tgt Ion: 77 Resp: 1081923

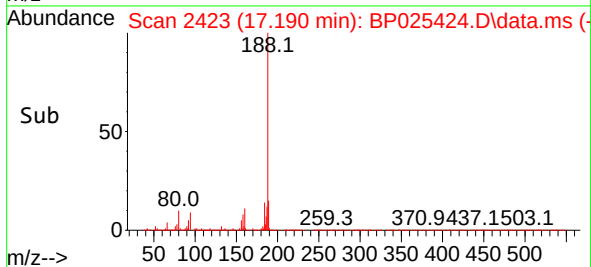
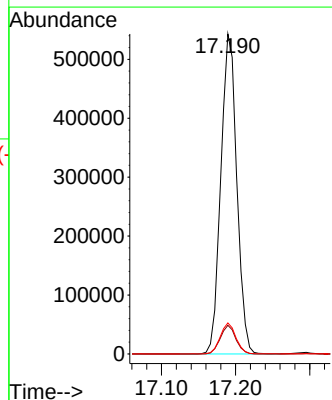
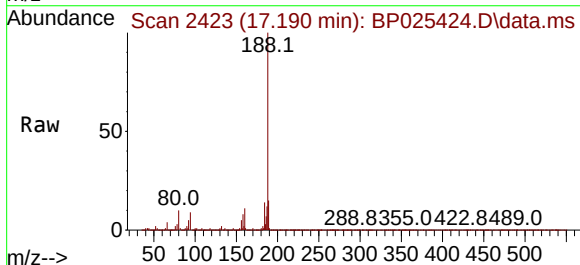
Ion	Ratio	Lower	Upper
77	100		
182	28.4	7.5	47.5
105	21.6	2.1	42.1
51	30.8	9.6	49.6

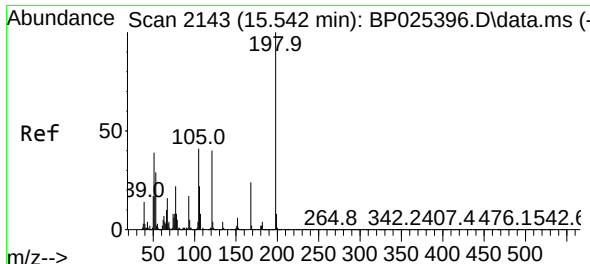


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion: 188 Resp: 812951

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.7	6.7	10.1

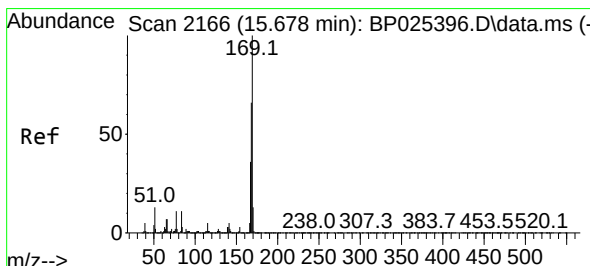
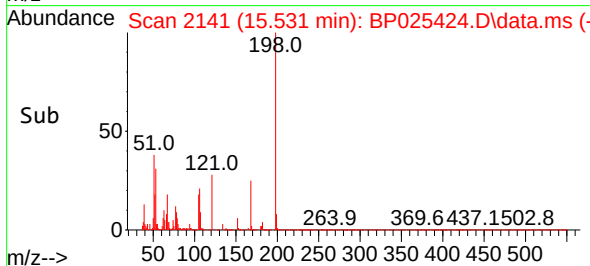
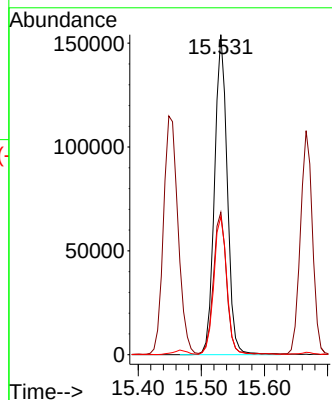
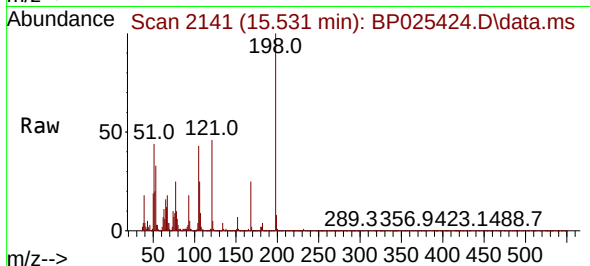




#65
4,6-Dinitro-2-methylphenol
Concen: 42.483 ng
RT: 15.531 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

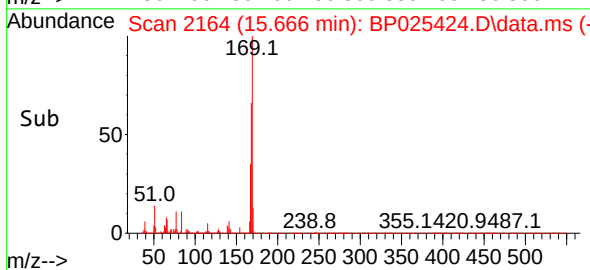
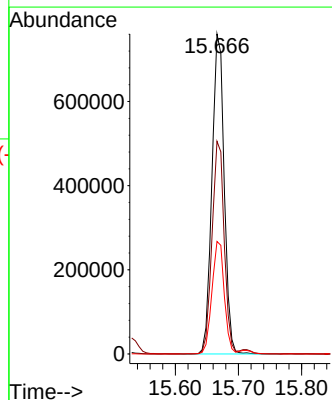
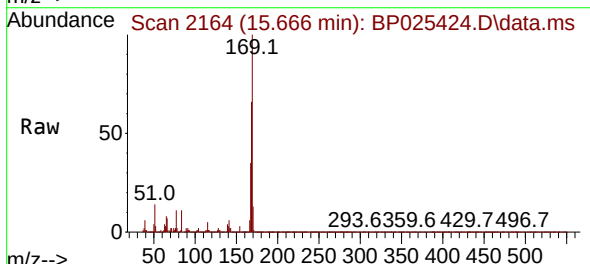
Instrument :
BNA_P
ClientSampleId :
PB169230BS

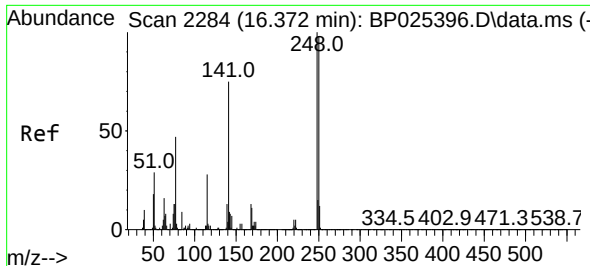
Tgt Ion:198 Resp: 215285
Ion Ratio Lower Upper
198 100
51 44.5 19.6 59.6
105 43.1 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 41.149 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:169 Resp: 1020090
Ion Ratio Lower Upper
169 100
168 66.5 53.2 79.8
167 35.1 28.7 43.1

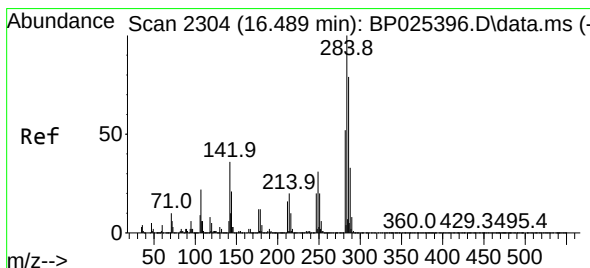
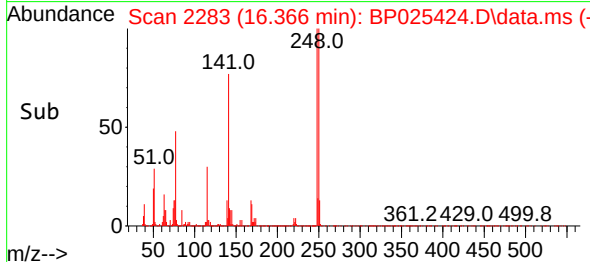
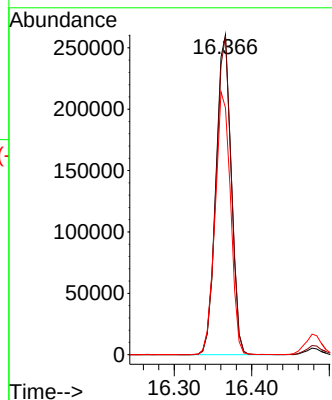
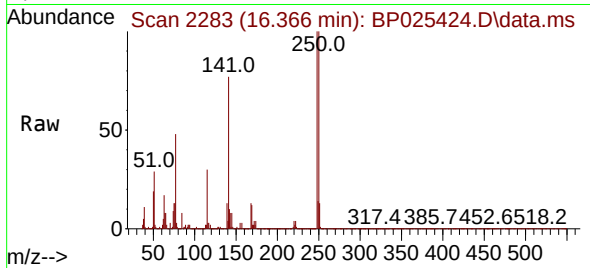




#67
4-Bromophenyl-phenylether
Concen: 40.010 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

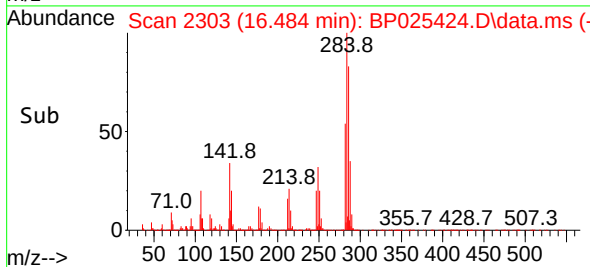
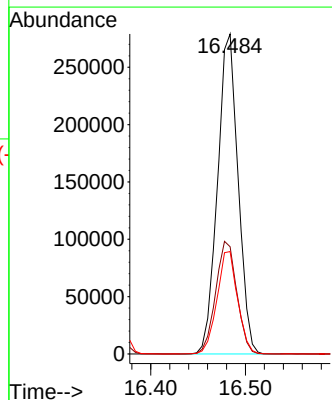
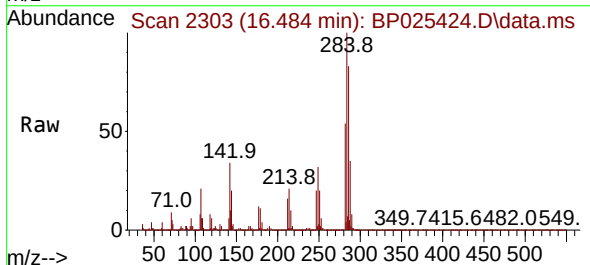
Instrument :
BNA_P
ClientSampleId :
PB169230BS

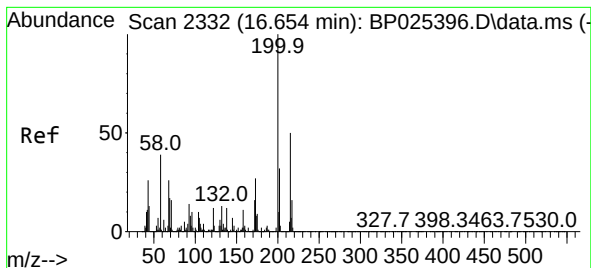
Tgt Ion:248 Resp: 357730
Ion Ratio Lower Upper
248 100
250 99.6 78.2 117.2
141 77.1 59.6 89.4



#68
Hexachlorobenzene
Concen: 40.631 ng
RT: 16.484 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:284 Resp: 421113
Ion Ratio Lower Upper
284 100
142 33.5 29.1 43.7
249 32.0 25.0 37.4





#69

Atrazine

Concen: 39.983 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

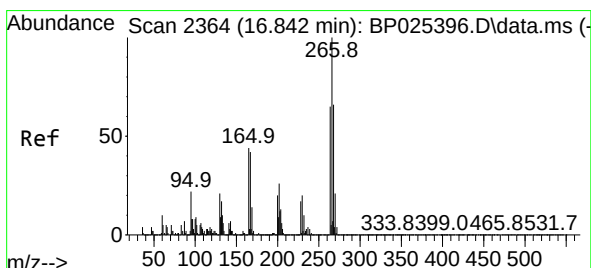
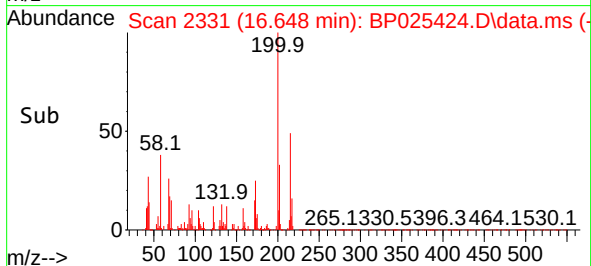
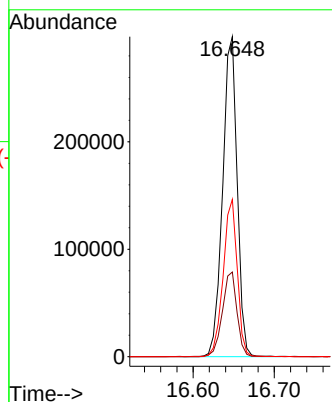
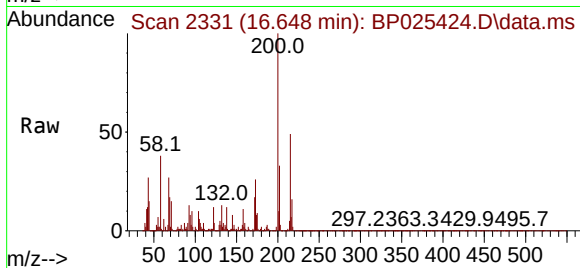
Tgt Ion:200 Resp: 371199

Ion Ratio Lower Upper

200 100

173 26.4 6.7 46.7

215 49.2 29.7 69.7



#70

Pentachlorophenol

Concen: 86.979 ng

RT: 16.831 min Scan# 2362

Delta R.T. -0.012 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

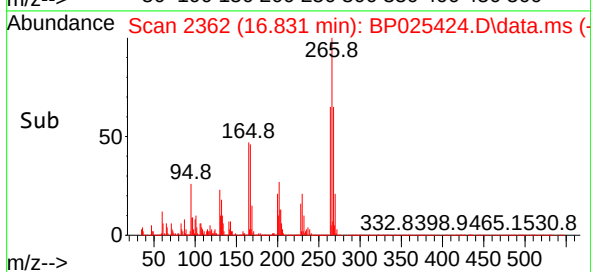
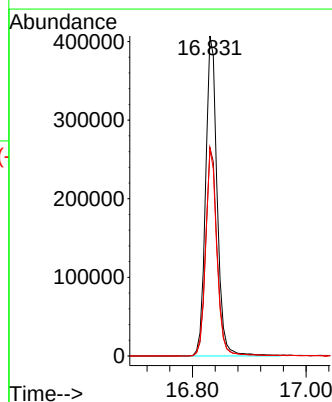
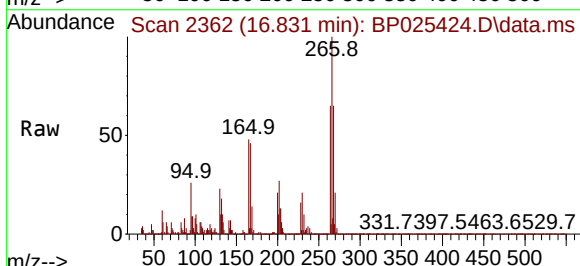
Tgt Ion:266 Resp: 569065

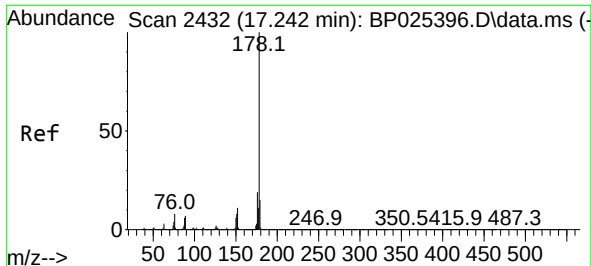
Ion Ratio Lower Upper

266 100

268 65.1 52.6 79.0

264 64.7 52.0 78.0

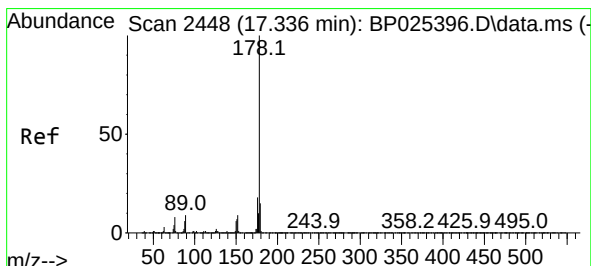
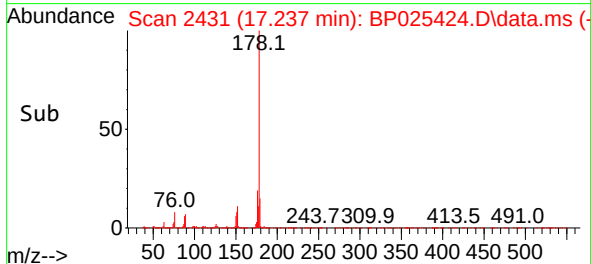
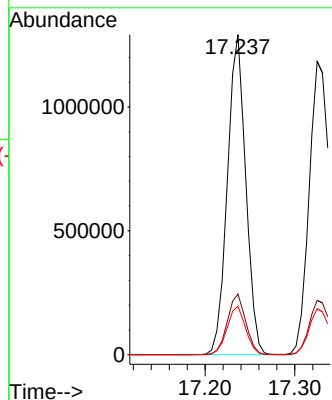
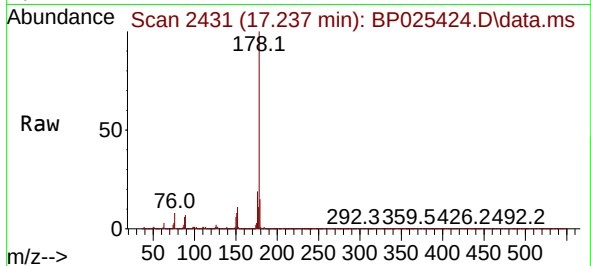




#71
Phenanthrene
Concen: 41.081 ng
RT: 17.237 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

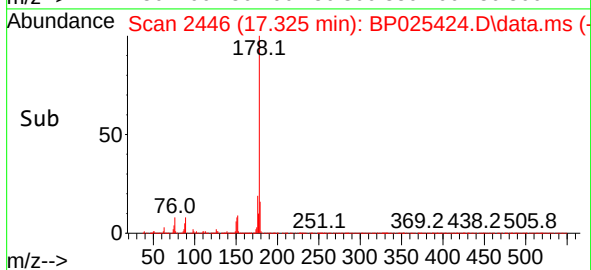
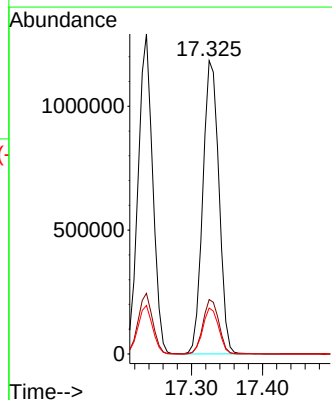
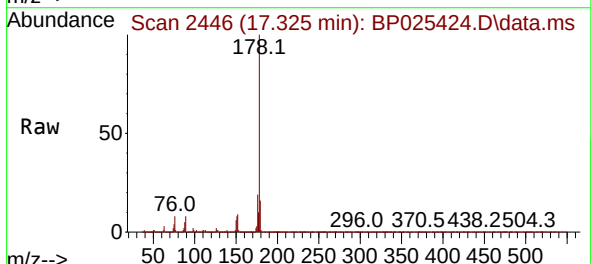
Instrument :
BNA_P
ClientSampleId :
PB169230BS

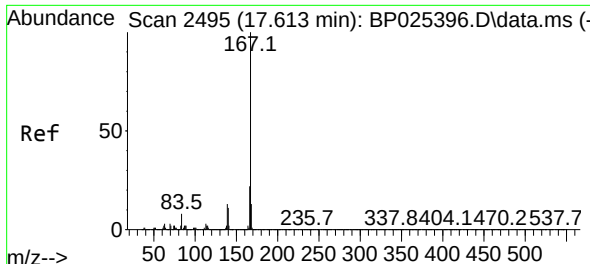
Tgt Ion:178 Resp: 1834594
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.2 12.2 18.4



#72
Anthracene
Concen: 40.953 ng
RT: 17.325 min Scan# 2446
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:178 Resp: 1867641
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.7 12.2 18.2

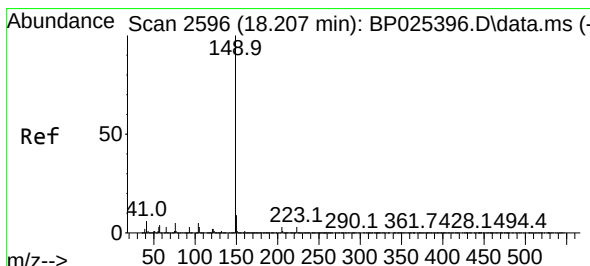
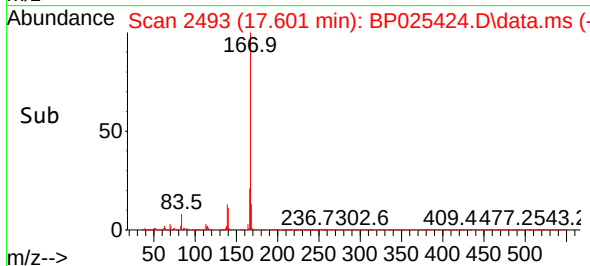
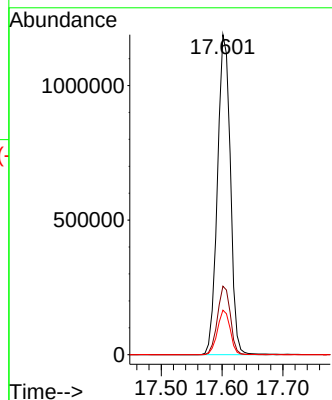
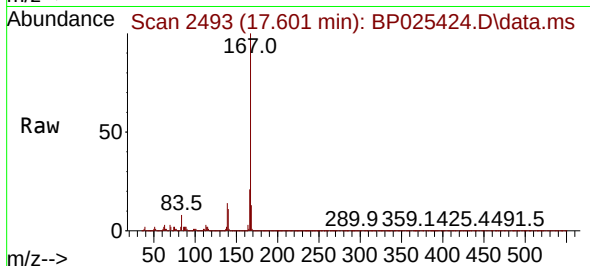




#73
Carbazole
Concen: 40.625 ng
RT: 17.601 min Scan# 2493
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

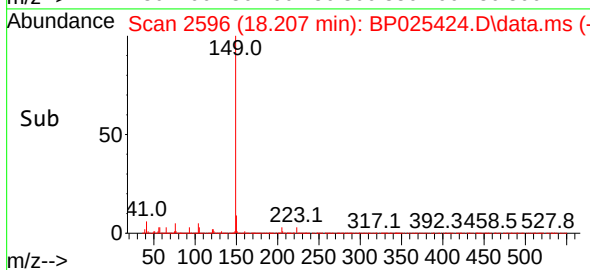
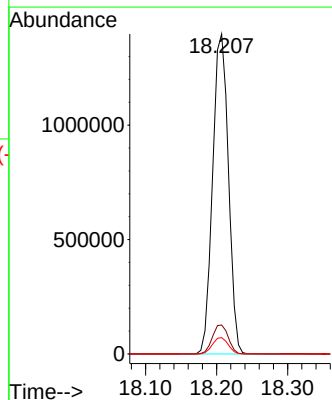
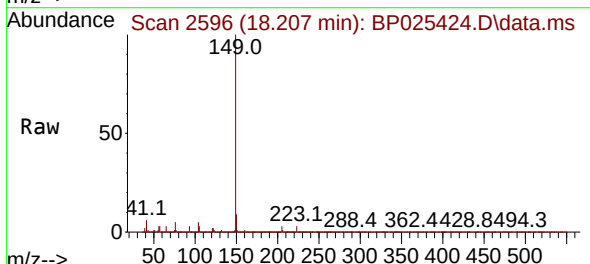
Instrument :
BNA_P
ClientSampleId :
PB169230BS

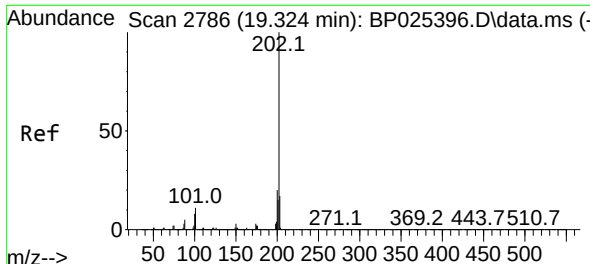
Tgt Ion:167 Resp: 1745068
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 13.9 10.6 16.0



#74
Di-n-butylphthalate
Concen: 40.744 ng
RT: 18.207 min Scan# 2596
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:149 Resp: 2153331
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 5.1 4.2 6.2

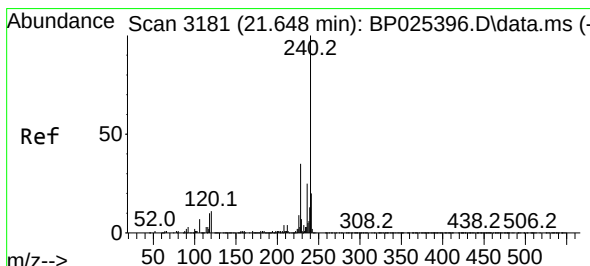
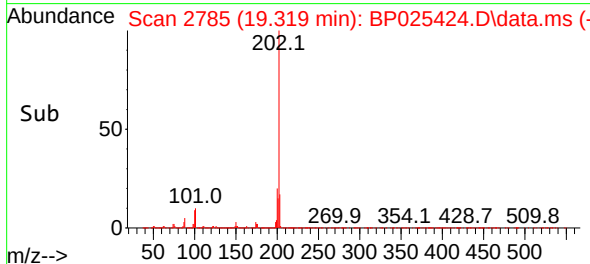
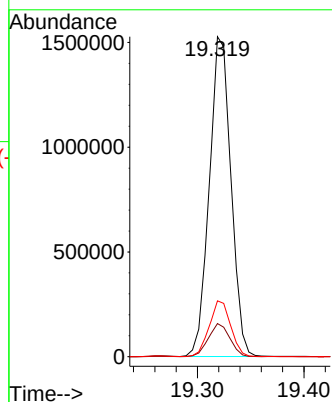
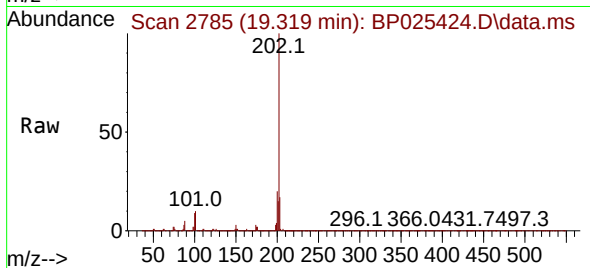




#75
Fluoranthene
Concen: 40.586 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

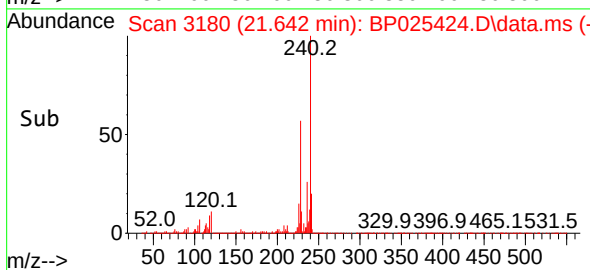
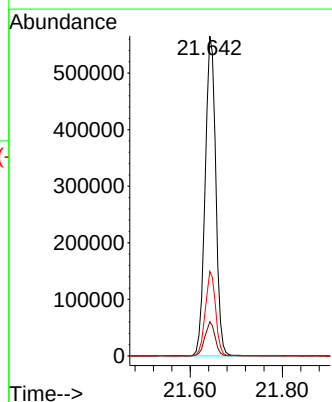
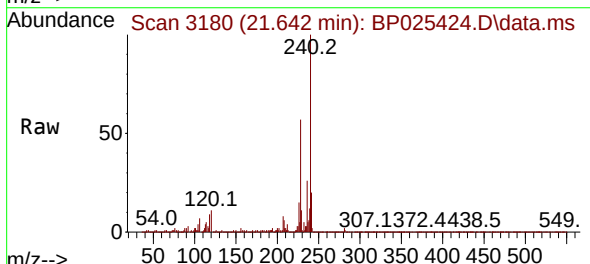
Instrument :
BNA_P
ClientSampleId :
PB169230BS

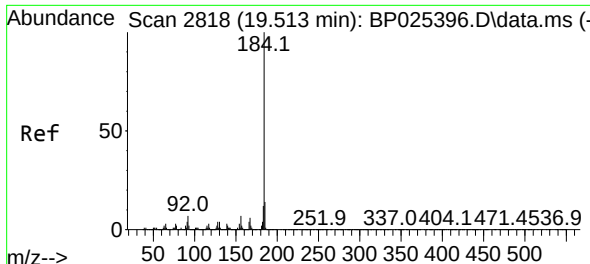
Tgt Ion:202 Resp: 2161988
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:240 Resp: 911094
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 26.4 19.8 29.8

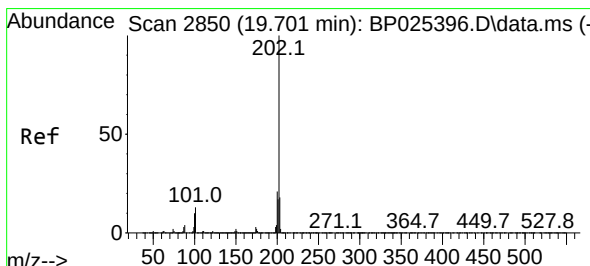
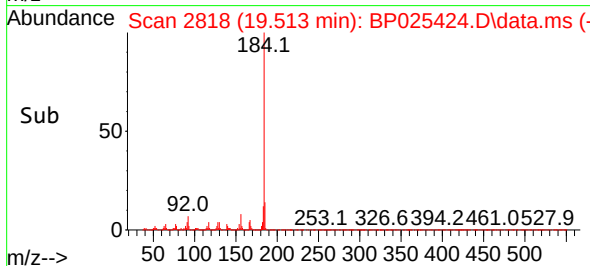
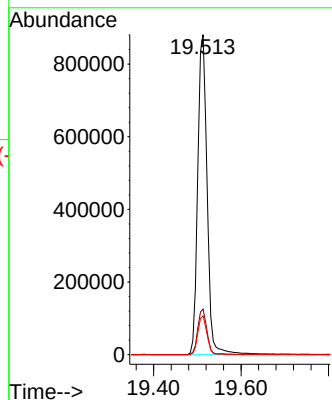
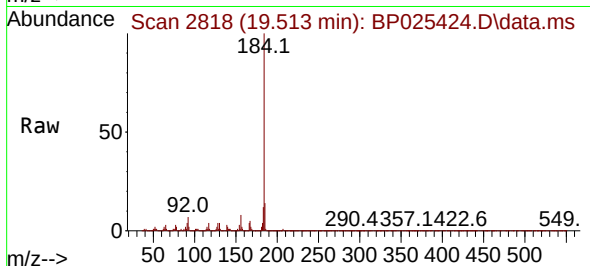




#77
Benzidine
Concen: 42.563 ng
RT: 19.513 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

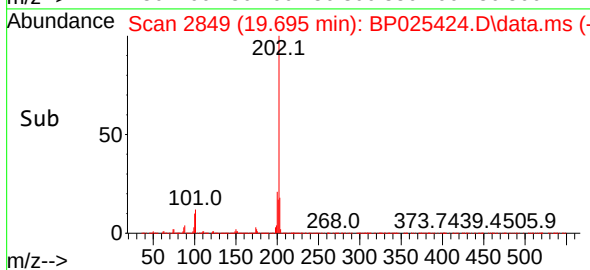
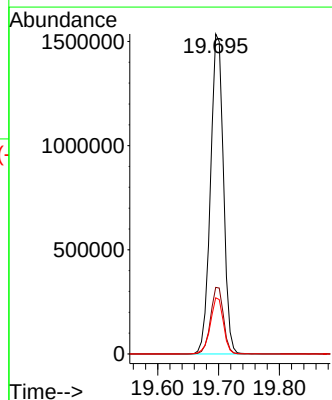
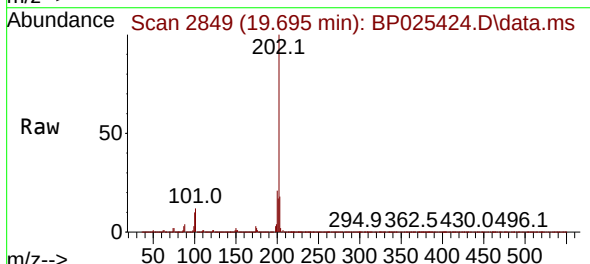
Instrument :
BNA_P
ClientSampleId :
PB169230BS

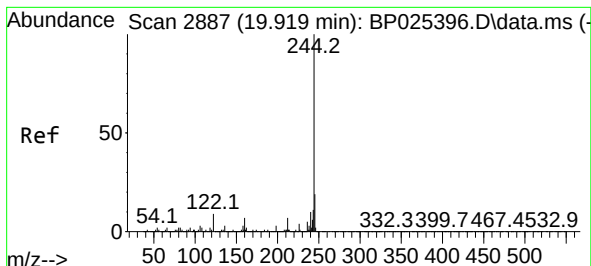
Tgt Ion:184 Resp: 1323440
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 12.1 9.4 14.2



#78
Pyrene
Concen: 38.210 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:202 Resp: 2262750
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 65.800 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

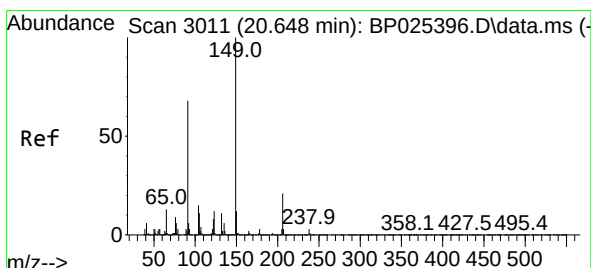
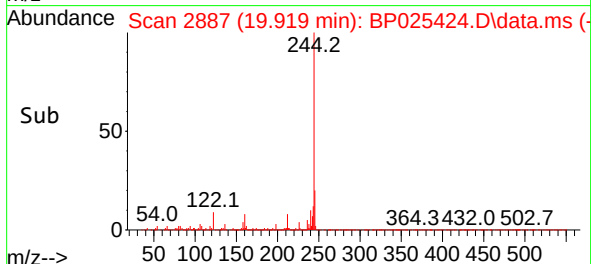
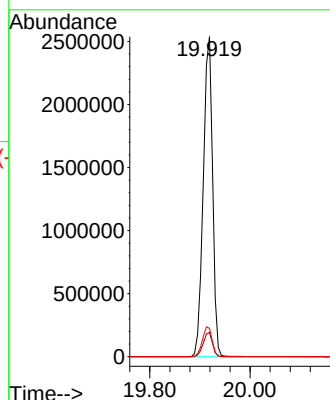
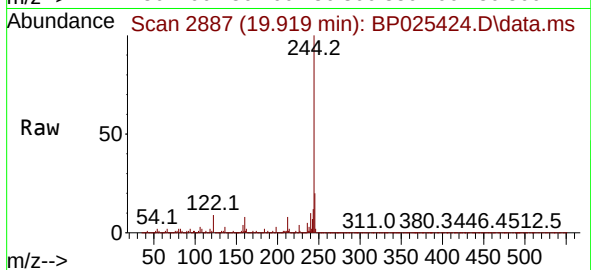
Tgt Ion:244 Resp: 3276717

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 8.9 7.4 11.2



#80

Butylbenzylphthalate

Concen: 39.265 ng

RT: 20.654 min Scan# 3012

Delta R.T. 0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

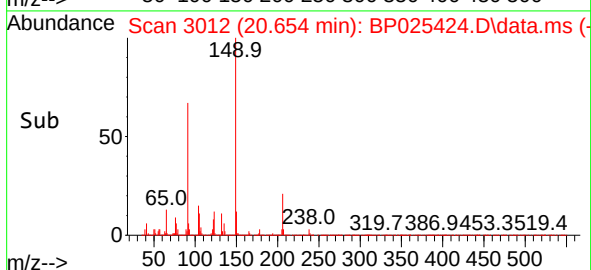
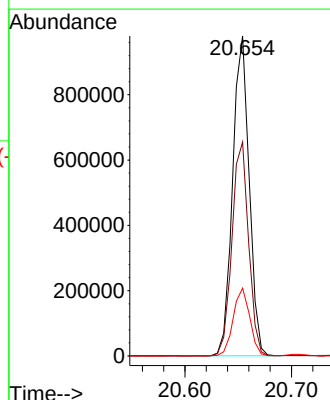
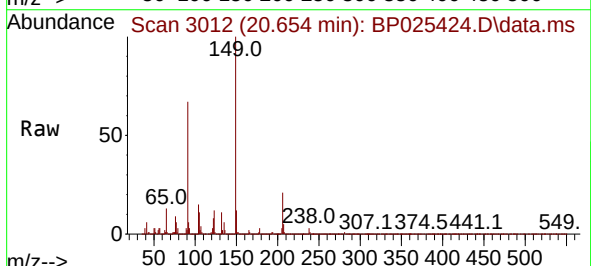
Tgt Ion:149 Resp: 1053807

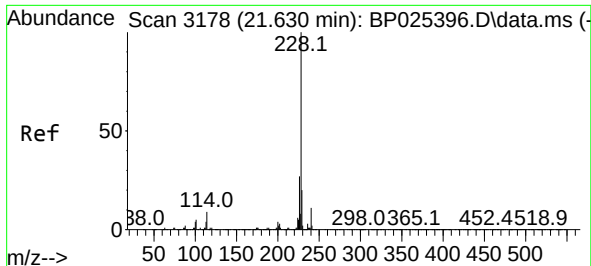
Ion Ratio Lower Upper

149 100

91 66.9 54.2 81.2

206 21.2 16.6 24.8

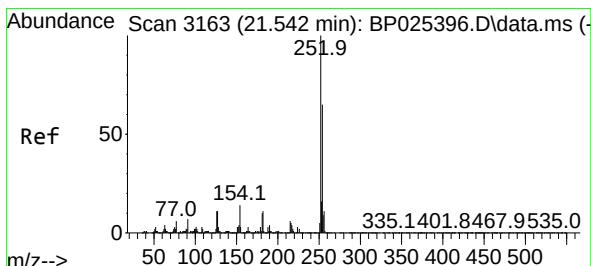
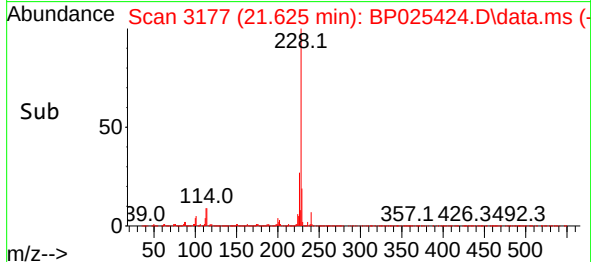
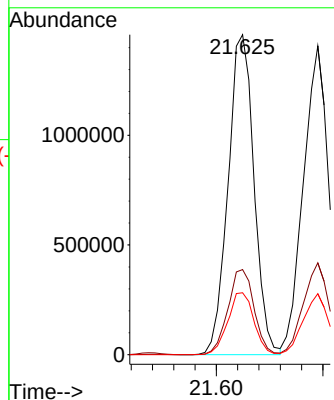
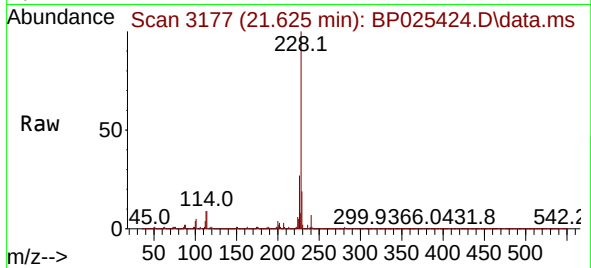




#81
Benzo(a)anthracene
Concen: 41.019 ng
RT: 21.625 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

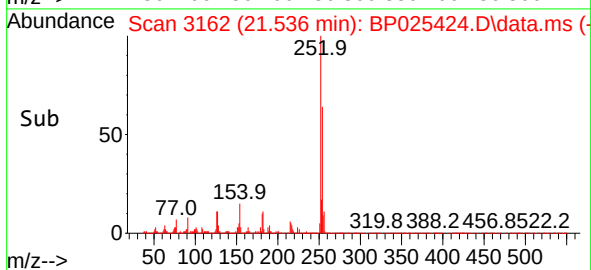
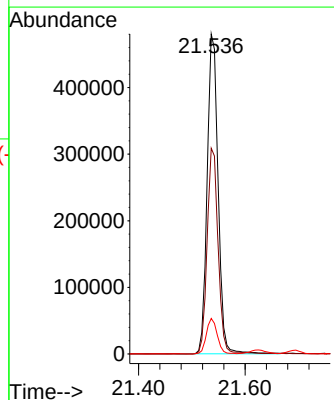
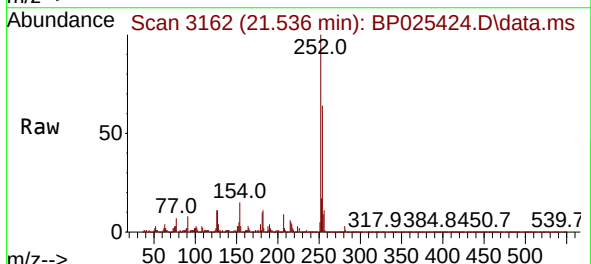
Instrument :
BNA_P
ClientSampleId :
PB169230BS

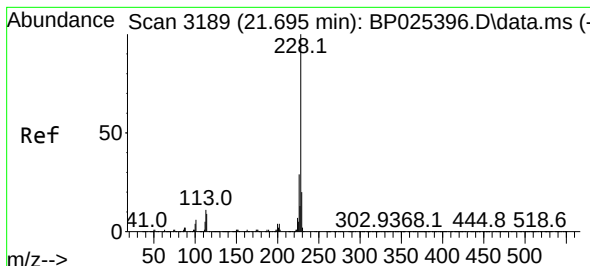
Tgt Ion:228 Resp: 2464717
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.3 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 30.320 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:252 Resp: 686690
Ion Ratio Lower Upper
252 100
254 64.3 51.8 77.6
126 11.1 9.1 13.7





#83

Chrysene

Concen: 40.951 ng

RT: 21.695 min Scan# 3189

Delta R.T. 0.000 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

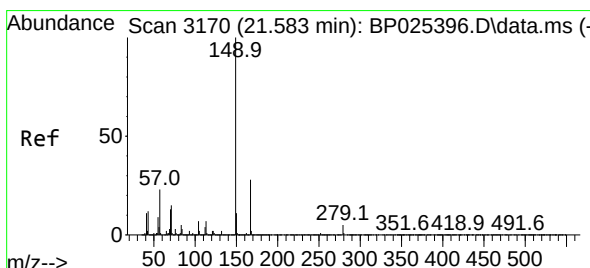
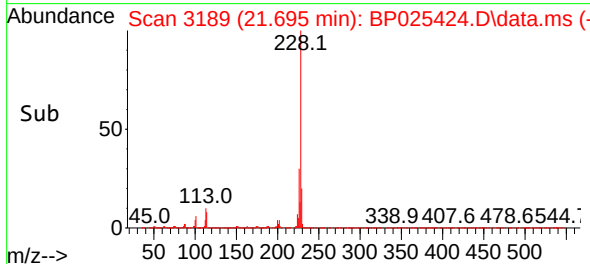
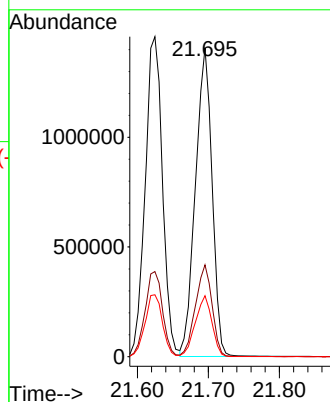
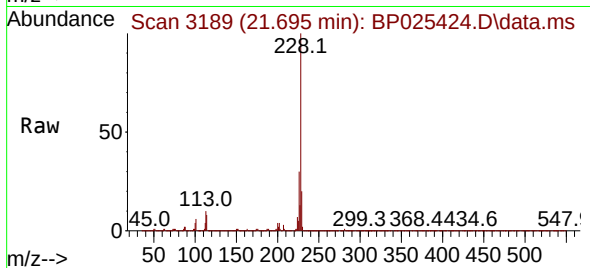
Tgt Ion:228 Resp: 2304341

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.360 ng

RT: 21.578 min Scan# 3169

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

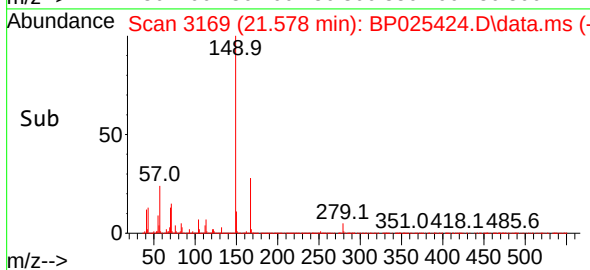
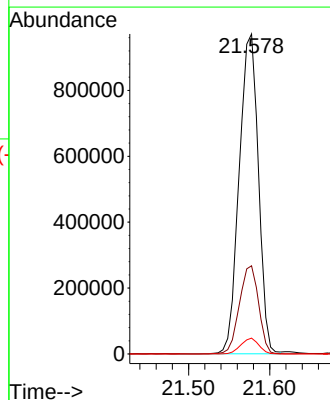
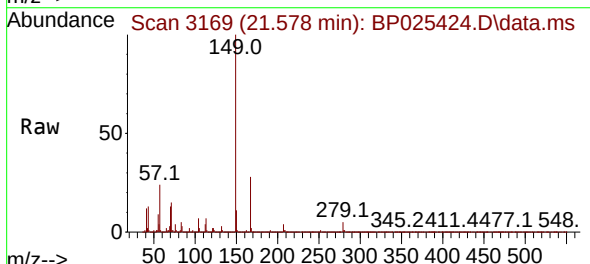
Tgt Ion:149 Resp: 1594510

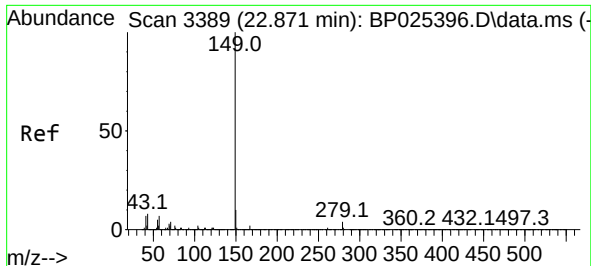
Ion Ratio Lower Upper

149 100

167 27.5 22.1 33.1

279 5.0 3.8 5.6

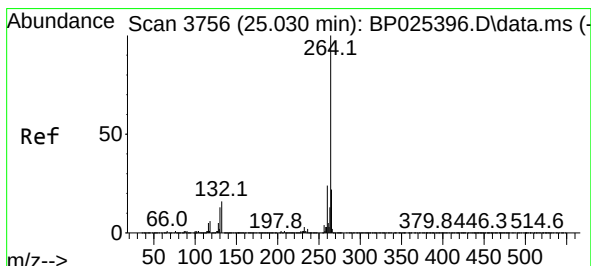
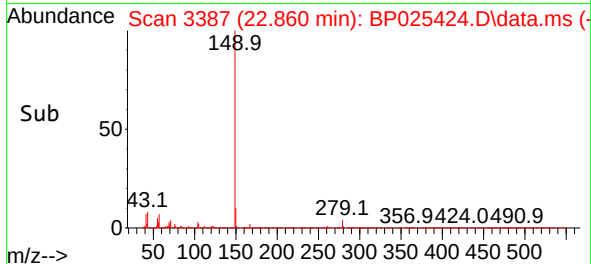
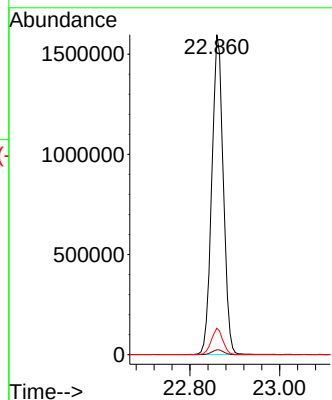
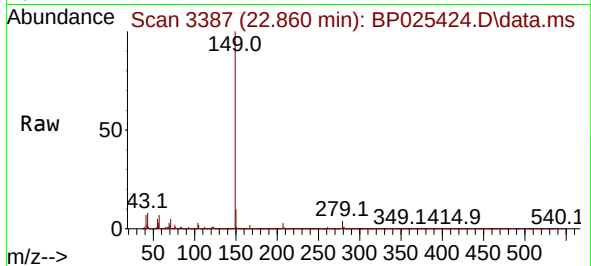




#85
Di-n-octyl phthalate
Concen: 41.649 ng
RT: 22.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

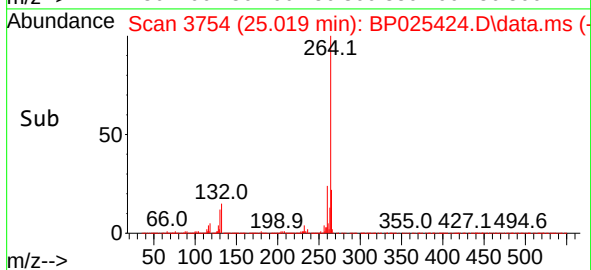
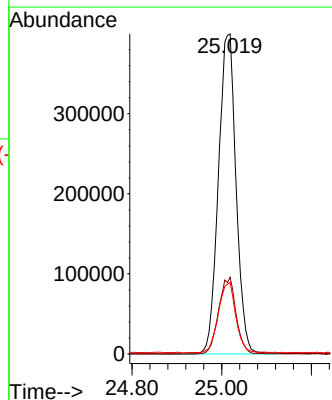
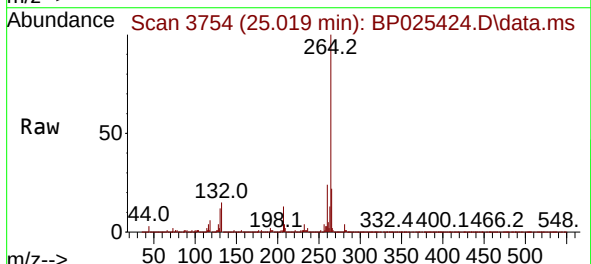
Instrument :
BNA_P
ClientSampleId :
PB169230BS

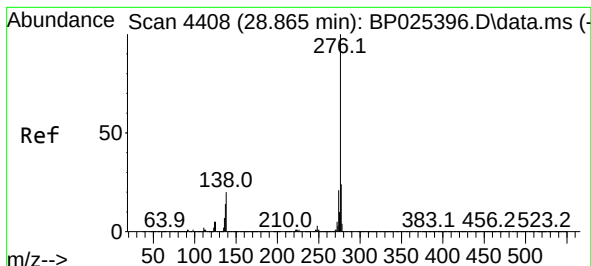
Tgt Ion:149 Resp: 2830250
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.2 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.019 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025424.D
Acq: 15 Aug 2025 11:59

Tgt Ion:264 Resp: 1094193
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 22.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.203 ng

RT: 28.848 min Scan# 4408

Delta R.T. -0.017 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

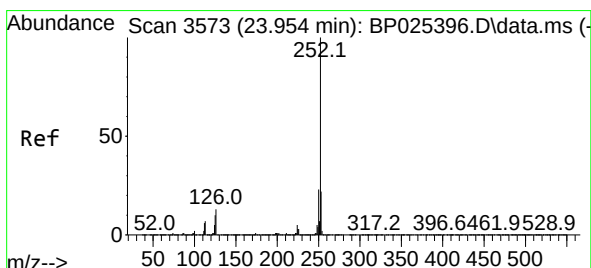
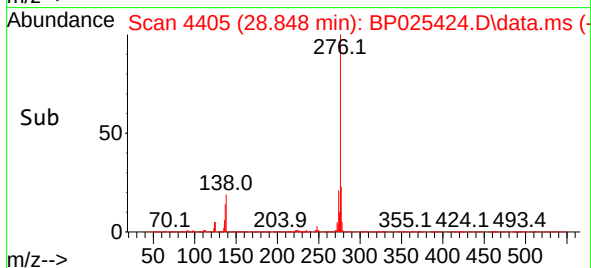
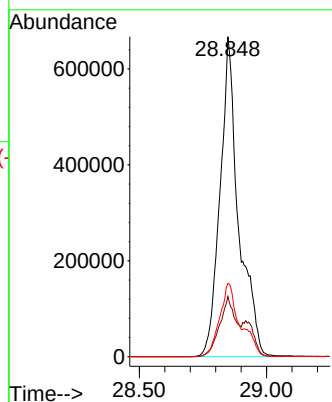
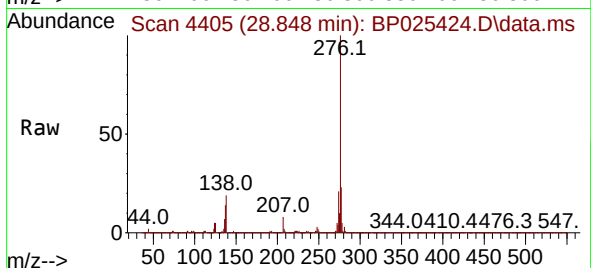
Tgt Ion:276 Resp: 3386531

Ion Ratio Lower Upper

276 100

138 16.6 12.9 19.3

277 20.7 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 41.401 ng

RT: 23.936 min Scan# 3570

Delta R.T. -0.017 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

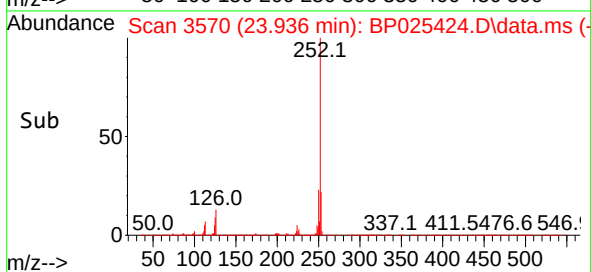
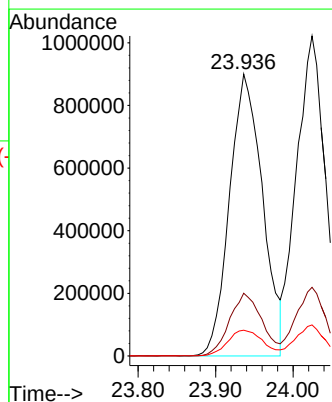
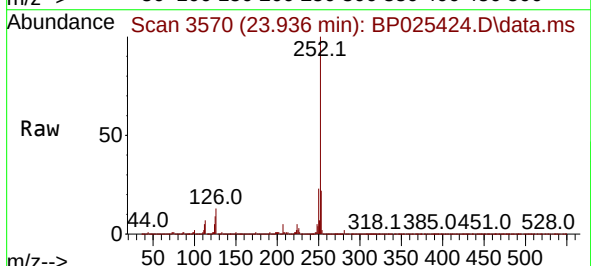
Tgt Ion:252 Resp: 2671223

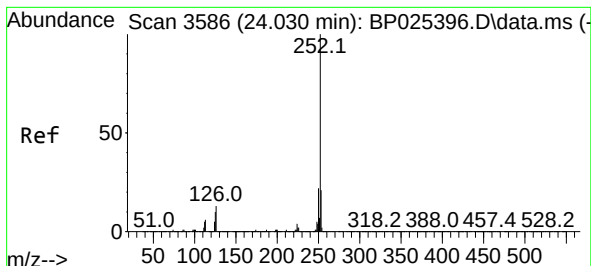
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.1 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 40.388 ng

RT: 24.024 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

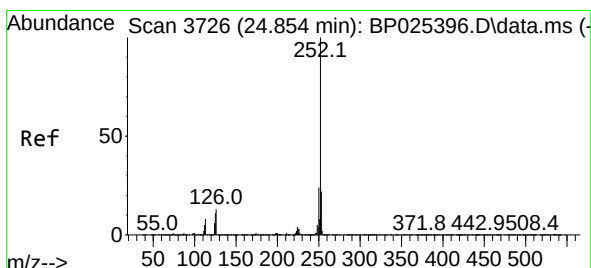
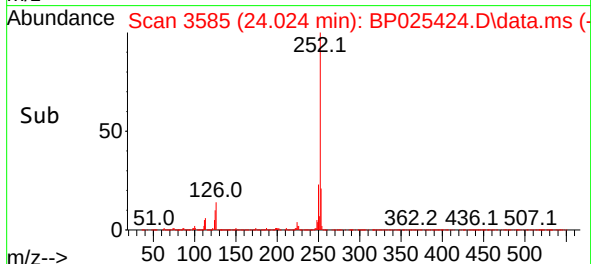
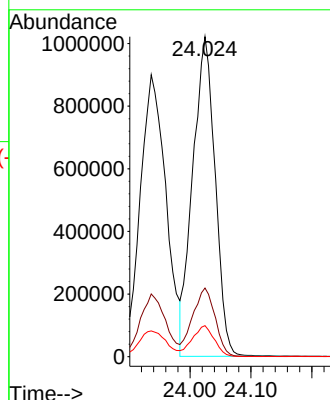
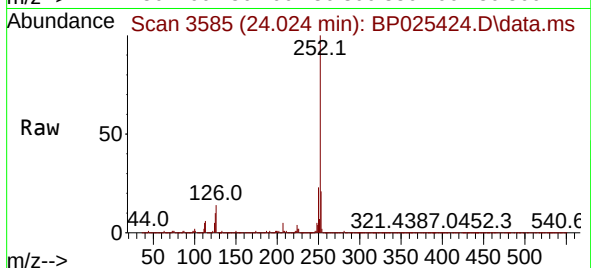
Tgt Ion:252 Resp: 2607648

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 9.7 7.8 11.6



#90

Benzo(a)pyrene

Concen: 41.168 ng

RT: 24.866 min Scan# 3728

Delta R.T. 0.012 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

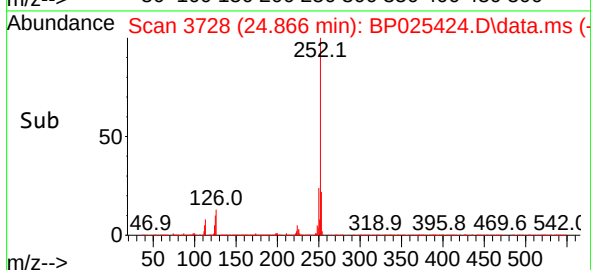
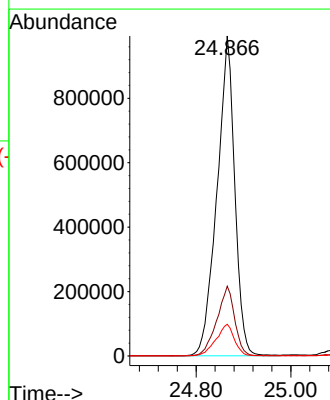
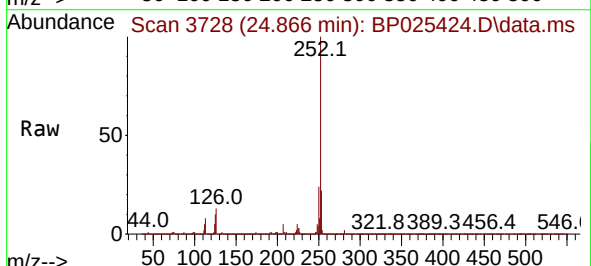
Tgt Ion:252 Resp: 2585640

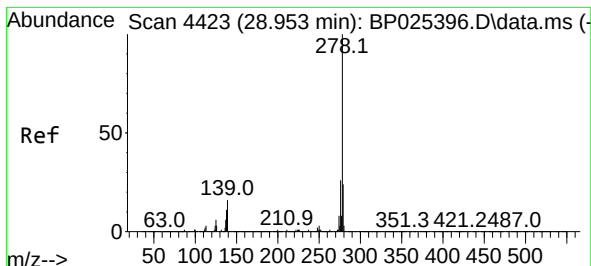
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 9.9 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 41.882 ng

RT: 28.936 min Scan# 4423

Delta R.T. -0.017 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

Instrument :

BNA_P

ClientSampleId :

PB169230BS

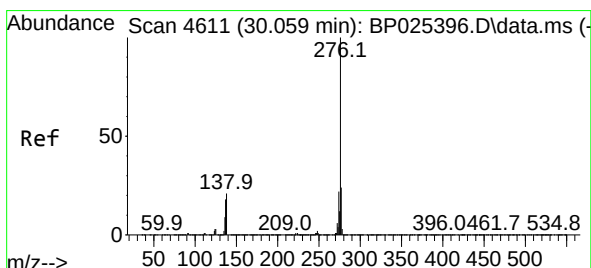
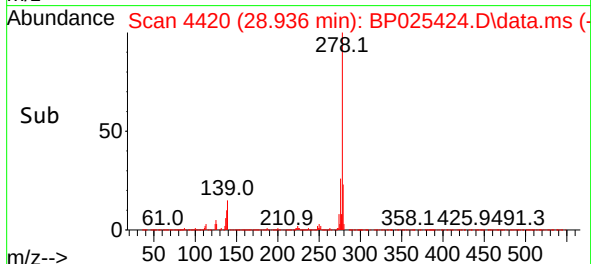
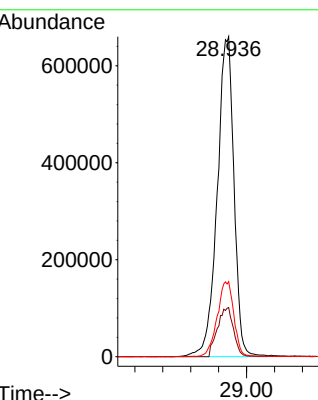
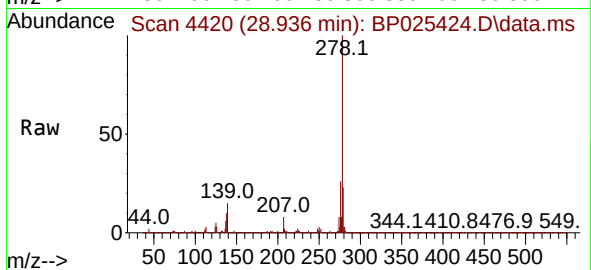
Tgt Ion:278 Resp: 2746421

Ion Ratio Lower Upper

278 100

139 15.4 13.0 19.4

279 23.5 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 25.058 ng

RT: 30.018 min Scan# 4604

Delta R.T. -0.041 min

Lab File: BP025424.D

Acq: 15 Aug 2025 11:59

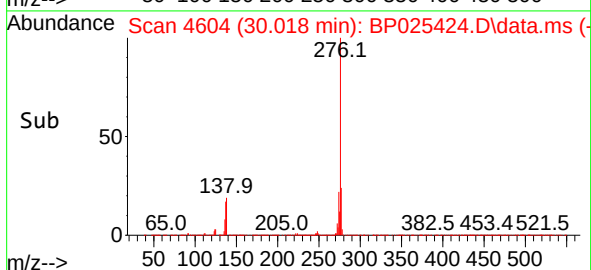
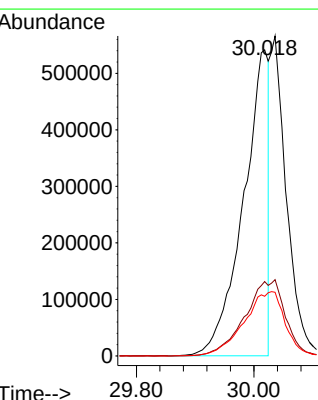
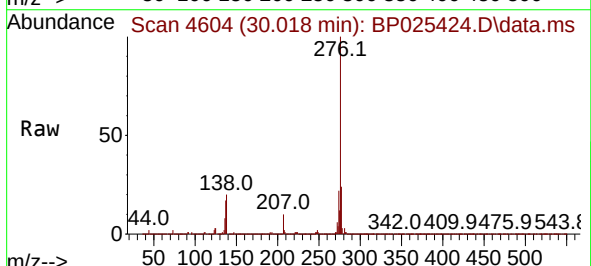
Tgt Ion:276 Resp: 1615238

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.0

138 19.5 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025436.D
 Acq On : 15 Aug 2025 21:03
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 18 01:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	166135	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	710479	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	456766	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	916670	20.000	ng	0.00
76) Chrysene-d12	21.630	240	933454	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1056853	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	862200	86.186	ng	0.00
7) Phenol-d6	6.967	99	1135967	88.568	ng	0.00
23) Nitrobenzene-d5	8.931	82	1224664	87.195	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	544037	88.488	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2790655	83.499	ng	0.00
79) Terphenyl-d14	19.913	244	4367516	85.603	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	160658	41.000	ng	98
3) Pyridine	3.725	79	439304	40.960	ng	94
4) n-Nitrosodimethylamine	3.637	42	200626	45.373	ng	96
6) Aniline	7.125	93	757650	43.843	ng	99
8) 2-Chlorophenol	7.367	128	495342	43.878	ng	99
9) Benzaldehyde	6.937	77	437036	48.635	ng	98
10) Phenol	6.996	94	590307	43.862	ng	98
11) bis(2-Chloroethyl)ether	7.214	93	453562	43.239	ng	99
12) 1,3-Dichlorobenzene	7.684	146	543009	43.622	ng	99
13) 1,4-Dichlorobenzene	7.825	146	546465	42.950	ng	99
14) 1,2-Dichlorobenzene	8.137	146	530443	43.069	ng	97
15) Benzyl Alcohol	8.025	79	454736	44.621	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.308	45	634562	45.158	ng	99
17) 2-Methylphenol	8.219	107	414498	44.345	ng	98
18) Hexachloroethane	8.861	117	206177	44.074	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	368678	43.396	ng	98
20) 3+4-Methylphenols	8.543	107	564553	43.573	ng	97
22) Acetophenone	8.596	105	762747	42.809	ng	# 98
24) Nitrobenzene	8.972	77	551258	43.917	ng	100
25) Isophorone	9.496	82	1033357	41.573	ng	98
26) 2-Nitrophenol	9.672	139	283328	43.982	ng	100
27) 2,4-Dimethylphenol	9.737	122	481271	43.443	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	637027	42.398	ng	99
29) 2,4-Dichlorophenol	10.208	162	486914	44.245	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	515873	42.762	ng	98
31) Naphthalene	10.613	128	1558976	42.217	ng	99
32) Benzoic acid	9.878	122	346284	42.339	ng	94
33) 4-Chloroaniline	10.713	127	693770	42.532	ng	99
34) Hexachlorobutadiene	10.902	225	326490	43.456	ng	99
35) Caprolactam	11.496	113	167685	41.554	ng	98
36) 4-Chloro-3-methylphenol	11.831	107	539188	42.698	ng	96
37) 2-Methylnaphthalene	12.207	142	1008537	41.968	ng	98
38) 1-Methylnaphthalene	12.431	142	1057345	41.373	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	577904	43.807	ng	99
41) Hexachlorocyclopentadiene	12.566	237	295524	37.087	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	398621	44.759	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025436.D
 Acq On : 15 Aug 2025 21:03
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

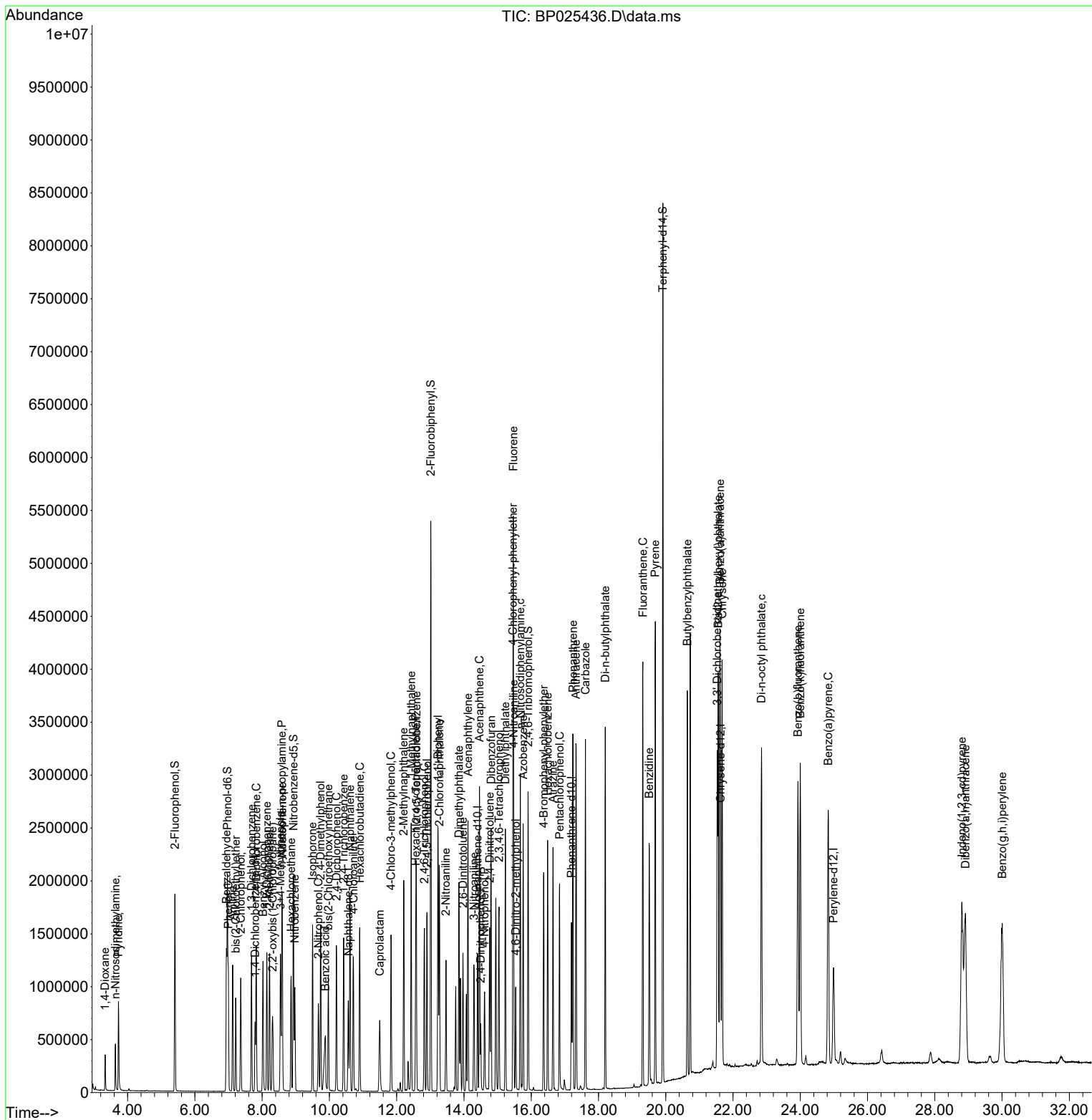
Quant Time: Aug 18 01:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

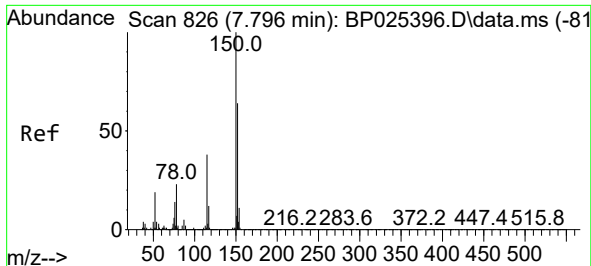
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	440218	45.101	ng	99
46) 1,1'-Biphenyl	13.225	154	1452635	43.790	ng	99
47) 2-Chloronaphthalene	13.272	162	1120958	43.406	ng	98
48) 2-Nitroaniline	13.466	65	348676	46.337	ng	98
49) Acenaphthylene	14.119	152	1830675	42.840	ng	100
50) Dimethylphthalate	13.849	163	1455084	43.502	ng	99
51) 2,6-Dinitrotoluene	13.972	165	318483	45.175	ng	98
52) Acenaphthene	14.460	154	1067358	42.553	ng	99
53) 3-Nitroaniline	14.296	138	356395	44.932	ng	99
54) 2,4-Dinitrophenol	14.501	184	122865	32.634	ng	96
55) Dibenzofuran	14.807	168	1689125	42.593	ng	99
56) 4-Nitrophenol	14.613	139	295639	45.358	ng	94
57) 2,4-Dinitrotoluene	14.766	165	454531	45.189	ng	99
58) Fluorene	15.466	166	1287972	41.160	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.043	232	380952	44.201	ng	97
60) Diethylphthalate	15.231	149	1468089	43.195	ng	100
61) 4-Chlorophenyl-phenyle...	15.454	204	641804	41.240	ng	96
62) 4-Nitroaniline	15.478	138	350711	43.130	ng	95
63) Azobenzene	15.760	77	1297353	44.580	ng	98
65) 4,6-Dinitro-2-methylph...	15.543	198	201944	35.341	ng	97
66) n-Nitrosodiphenylamine	15.678	169	1208784	43.243	ng	98
67) 4-Bromophenyl-phenylether	16.372	248	442865	43.928	ng	98
68) Hexachlorobenzene	16.490	284	498920	42.691	ng	99
69) Atrazine	16.648	200	458257	43.775	ng	96
70) Pentachlorophenol	16.842	266	327120	44.342	ng	98
71) Phenanthrene	17.242	178	2130157	42.302	ng	100
72) Anthracene	17.331	178	2204625	42.872	ng	99
73) Carbazole	17.613	167	2067991	42.695	ng	99
74) Di-n-butylphthalate	18.201	149	2603783	43.693	ng	100
75) Fluoranthene	19.319	202	2518758	41.933	ng	99
77) Benzidine	19.507	184	1508404	47.349	ng	100
78) Pyrene	19.689	202	2619981	43.183	ng	100
80) Butylbenzylphthalate	20.642	149	1256440	45.693	ng	99
81) Benzo(a)anthracene	21.613	228	2626516	42.665	ng	99
82) 3,3'-Dichlorobenzidine	21.530	252	1026166	44.224	ng	100
83) Chrysene	21.677	228	2465631	42.767	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1800639	44.485	ng	99
85) Di-n-octyl phthalate	22.848	149	3138516	45.079	ng	99
87) Indeno(1,2,3-cd)pyrene	28.807	276	3296276	42.530	ng	99
88) Benzo(b)fluoranthene	23.930	252	2712012	43.518	ng	99
89) Benzo(k)fluoranthene	24.001	252	2673968	42.878	ng	99
90) Benzo(a)pyrene	24.830	252	2622614	43.232	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2716441	42.888	ng	98
92) Benzo(g,h,i)perylene	30.006	276	2661609	42.750	ng	100

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

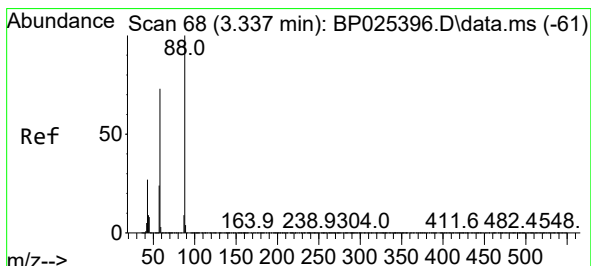
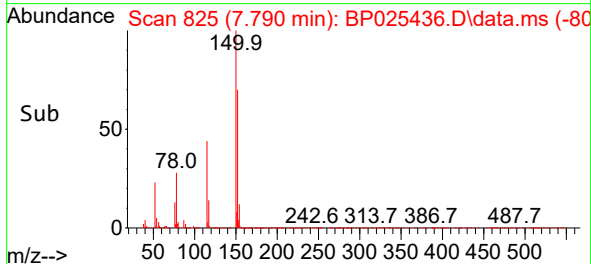
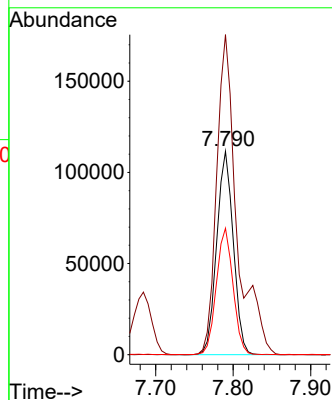
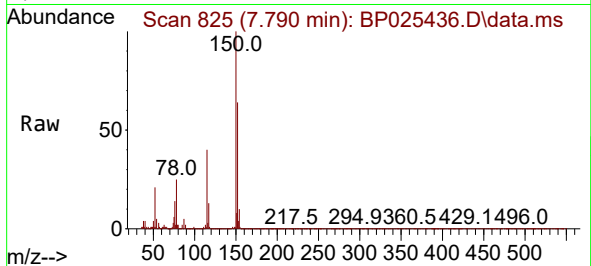




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

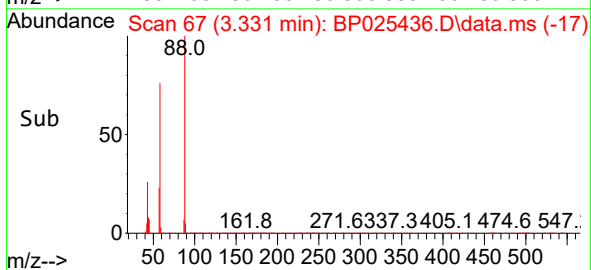
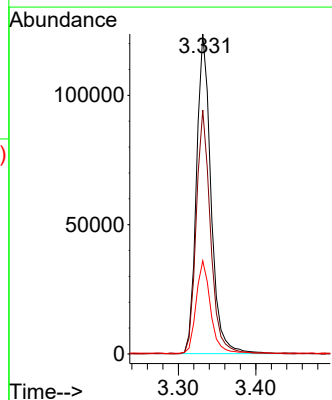
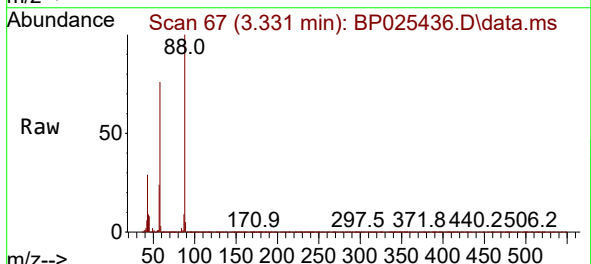
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

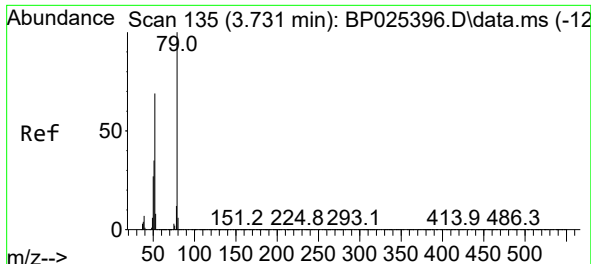
Tgt Ion:152 Resp: 166135
 Ion Ratio Lower Upper
 152 100
 150 157.3 125.9 188.9
 115 62.2 48.5 72.7



#2
 1,4-Dioxane
 Concen: 41.000 ng
 RT: 3.331 min Scan# 67
 Delta R.T. -0.006 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

Tgt Ion: 88 Resp: 160658
 Ion Ratio Lower Upper
 88 100
 58 75.7 59.2 88.8
 43 28.9 21.7 32.5

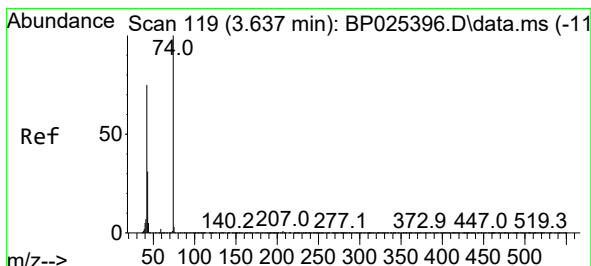
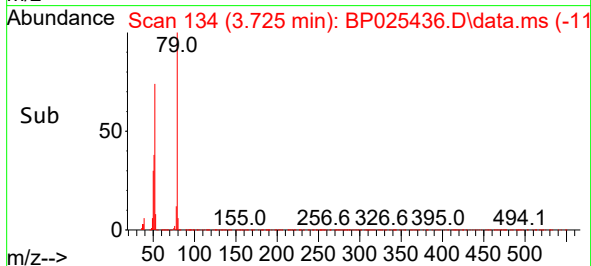
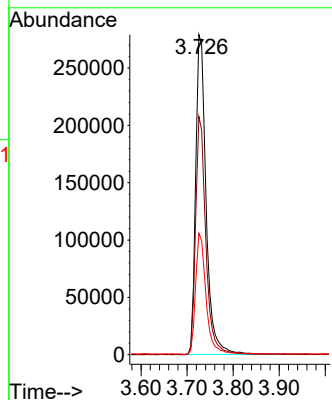
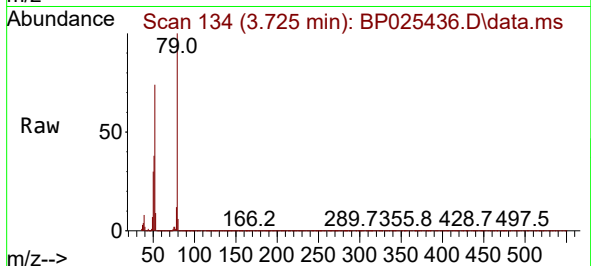




#3
Pyridine
Concen: 40.960 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

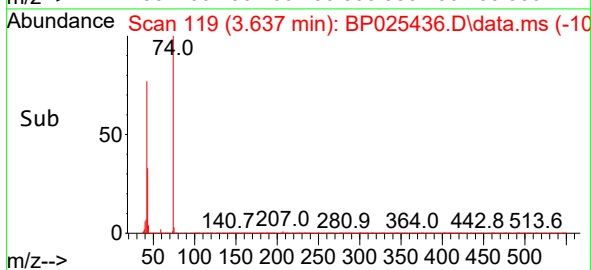
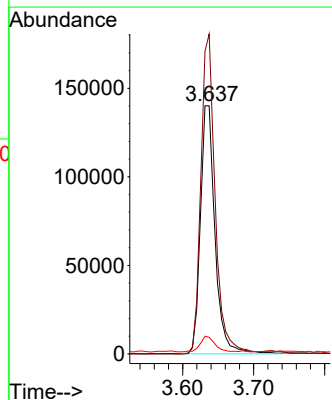
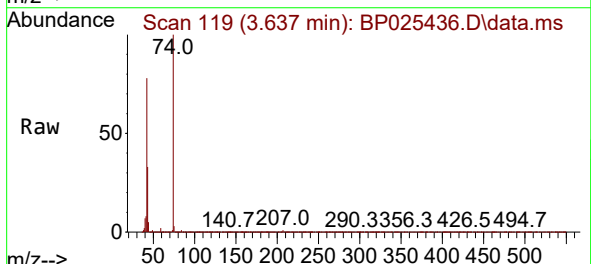
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

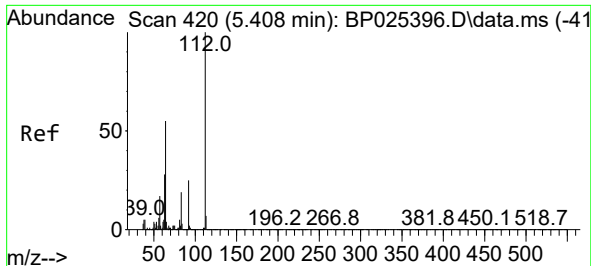
Tgt Ion: 79 Resp: 439304
Ion Ratio Lower Upper
79 100
52 74.4 55.5 83.3
51 38.0 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 45.373 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 42 Resp: 200626
Ion Ratio Lower Upper
42 100
74 128.9 107.0 160.4
44 6.7 6.2 9.4

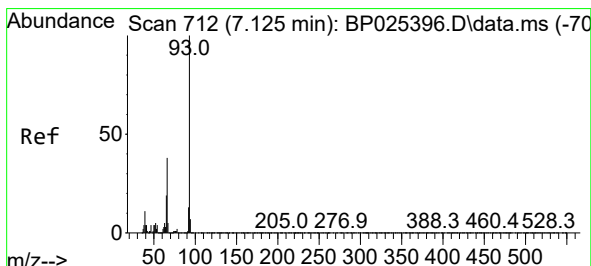
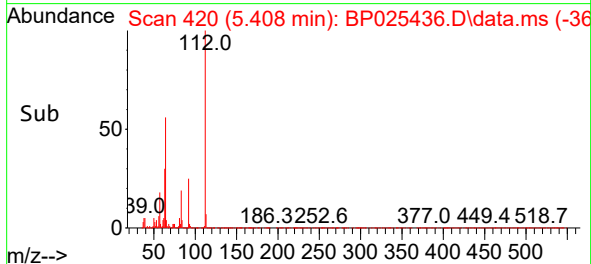
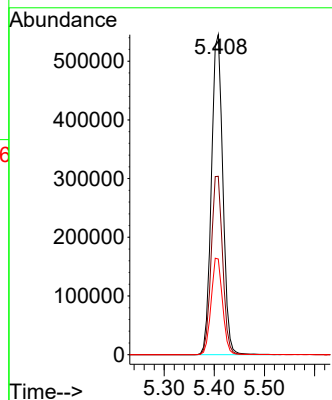
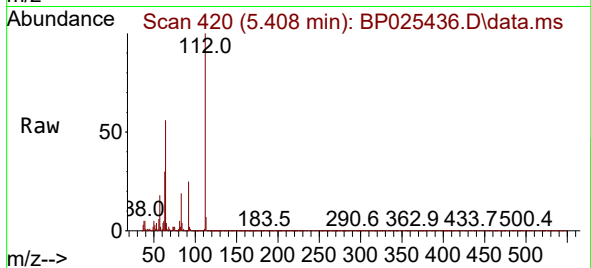




#5
2-Fluorophenol
Concen: 86.186 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

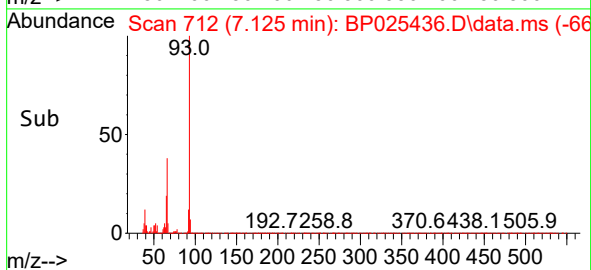
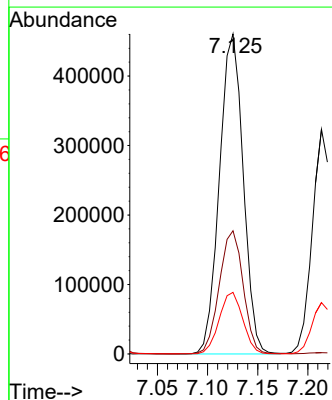
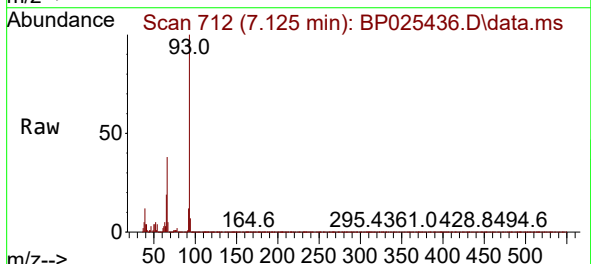
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

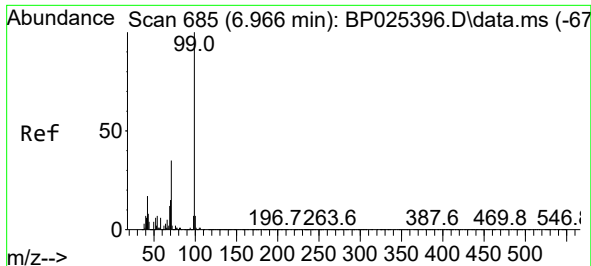
Tgt Ion:112 Resp: 862200
Ion Ratio Lower Upper
112 100
64 55.8 43.8 65.8
63 29.9 22.7 34.1



#6
Aniline
Concen: 43.843 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 93 Resp: 757650
Ion Ratio Lower Upper
93 100
66 38.5 30.4 45.6
65 19.3 15.3 22.9

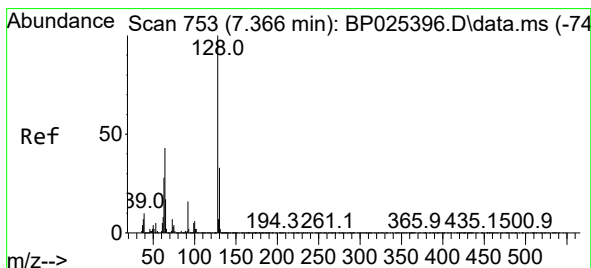
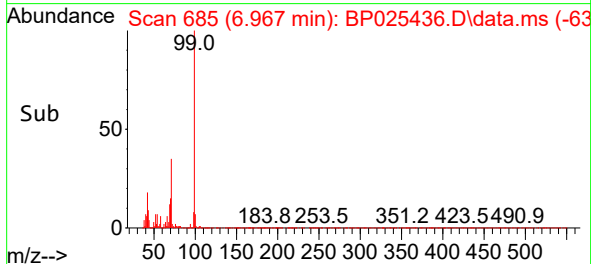
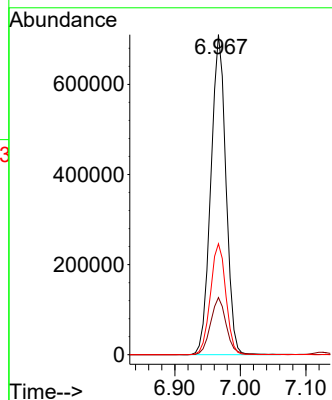
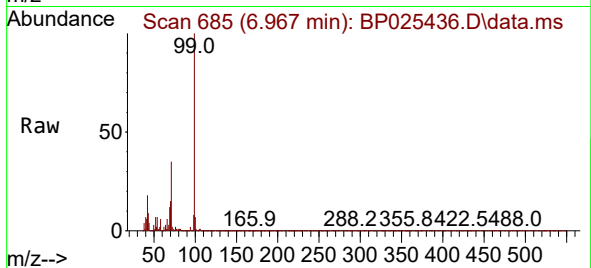




#7
Phenol-d6
Concen: 88.568 ng
RT: 6.967 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

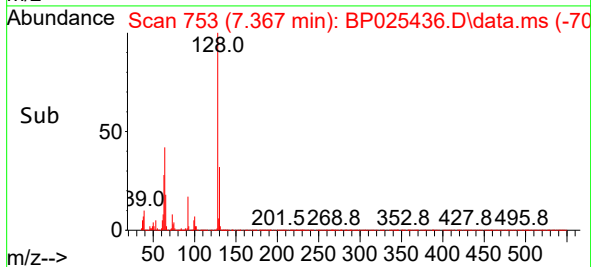
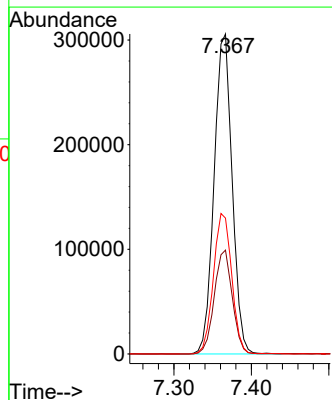
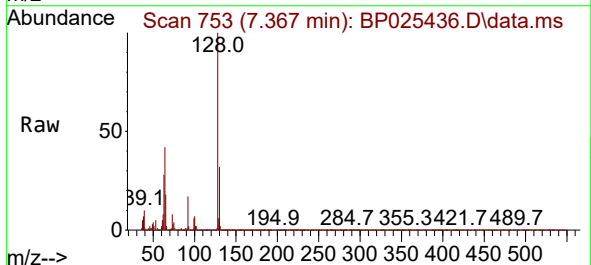
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

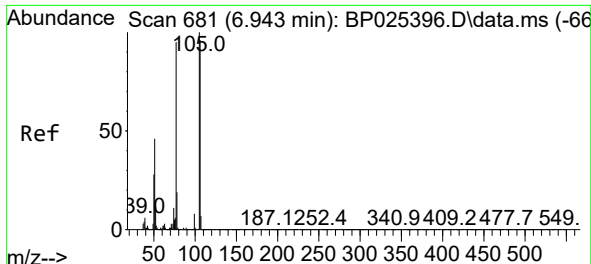
Tgt Ion: 99 Resp: 1135967
Ion Ratio Lower Upper
99 100
42 17.9 13.7 20.5
71 34.7 28.2 42.4



#8
2-Chlorophenol
Concen: 43.878 ng
RT: 7.367 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 128 Resp: 495342
Ion Ratio Lower Upper
128 100
130 32.5 12.6 52.6
64 42.4 23.4 63.4

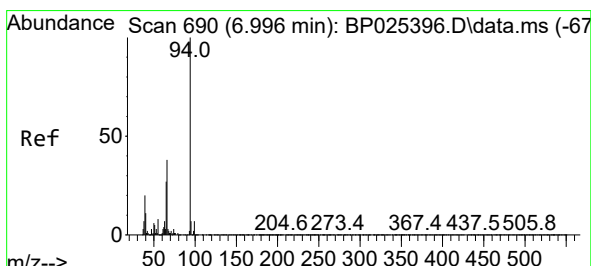
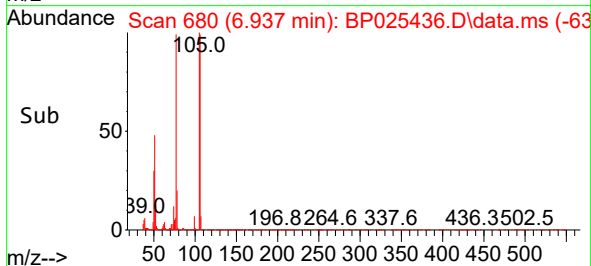
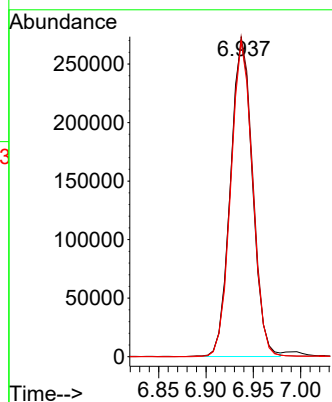
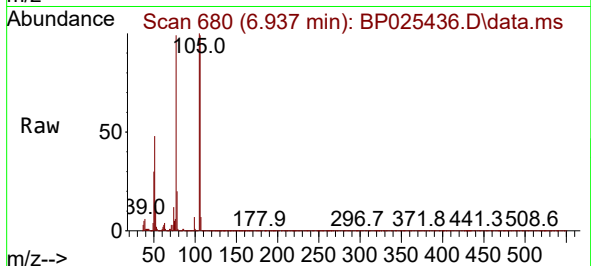




#9
Benzaldehyde
Concen: 48.635 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

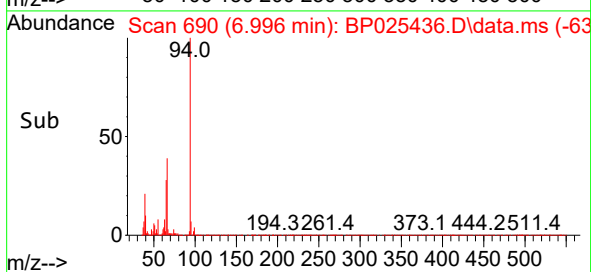
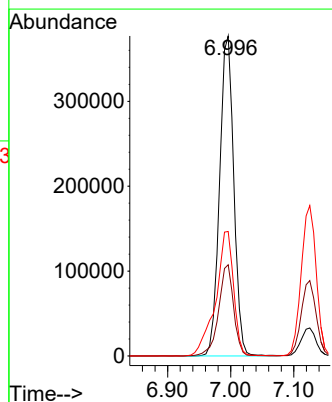
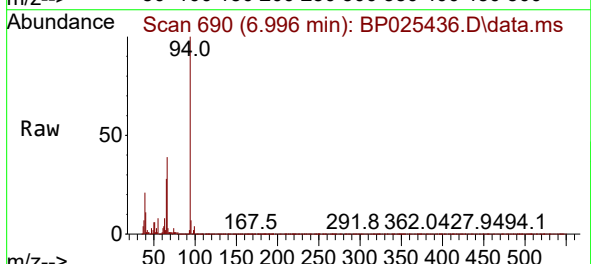
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

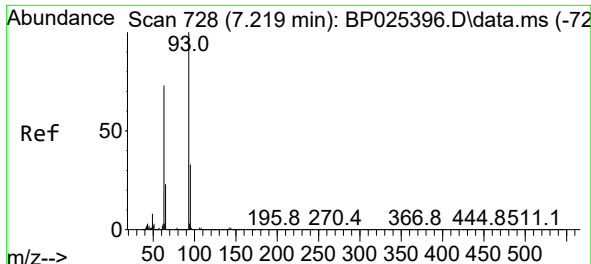
Tgt Ion: 77 Resp: 437036
Ion Ratio Lower Upper
77 100
105 101.5 84.8 124.8
106 100.1 80.5 120.5



#10
Phenol
Concen: 43.862 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 94 Resp: 590307
Ion Ratio Lower Upper
94 100
65 28.5 6.8 46.8
66 38.9 18.2 58.2

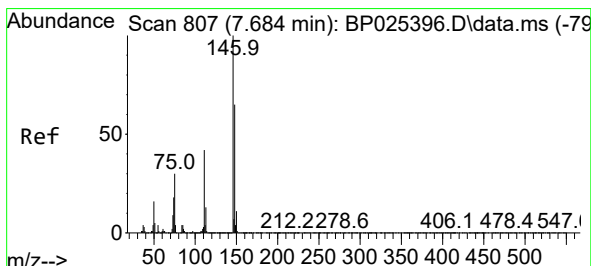
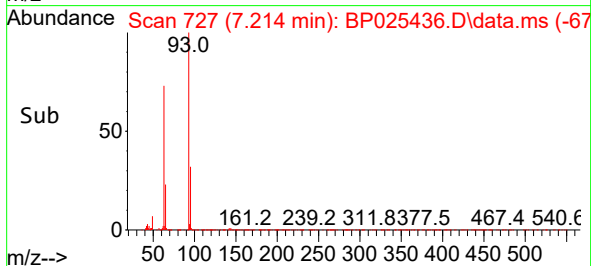
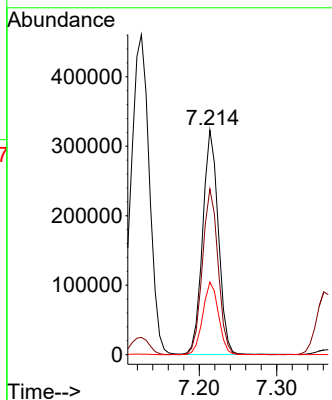
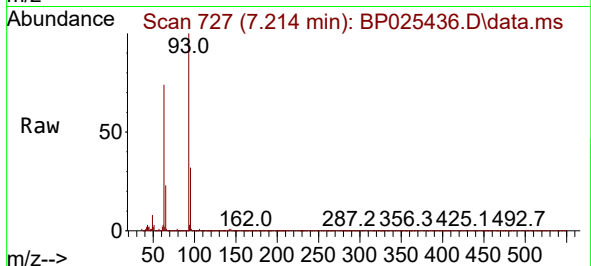




#11
bis(2-Chloroethyl)ether
Concen: 43.239 ng
RT: 7.214 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

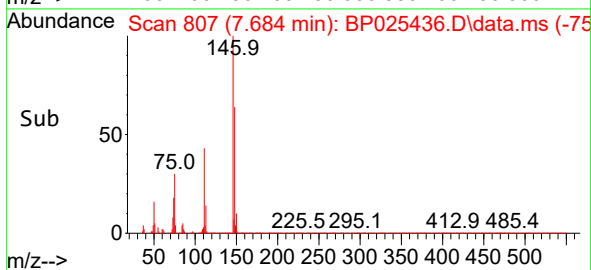
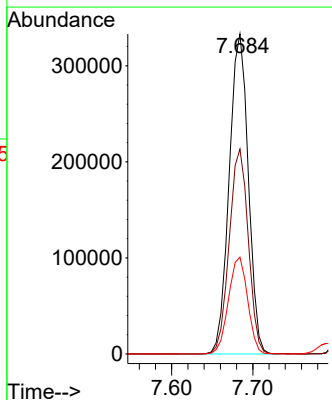
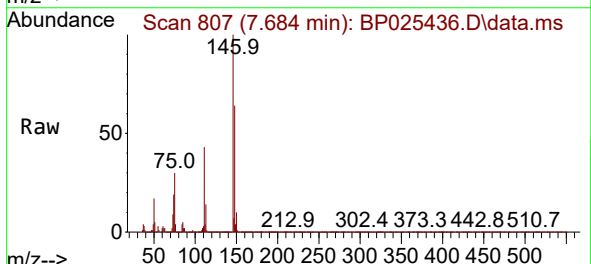
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

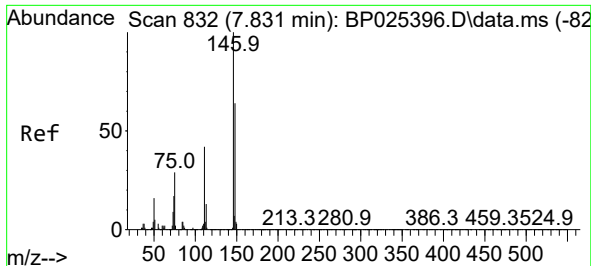
Tgt Ion: 93 Resp: 453562
Ion Ratio Lower Upper
93 100
63 73.8 52.6 92.6
95 32.3 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 43.622 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 146 Resp: 543009
Ion Ratio Lower Upper
146 100
148 64.0 51.9 77.9
75 30.2 23.7 35.5

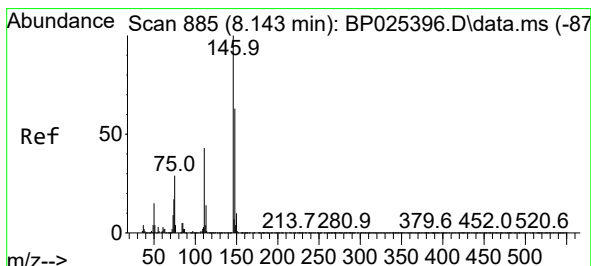
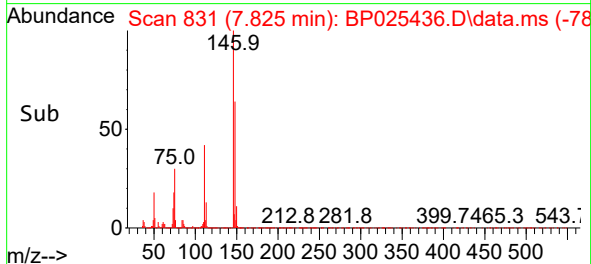
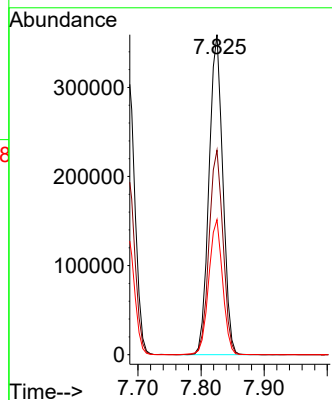
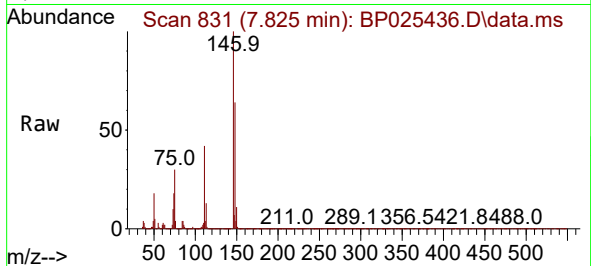




#13
1,4-Dichlorobenzene
Concen: 42.950 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

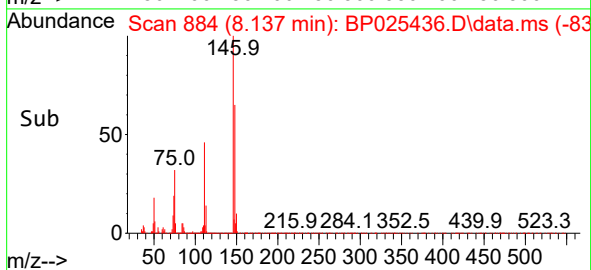
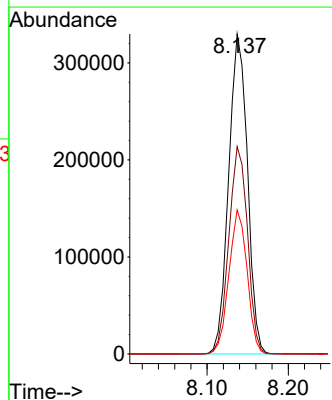
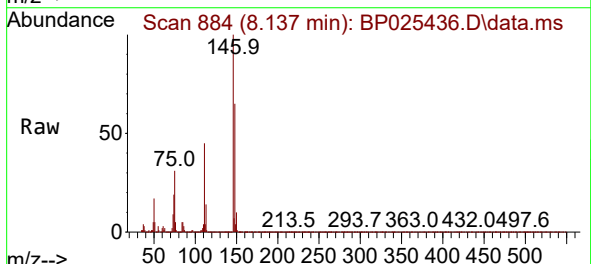
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

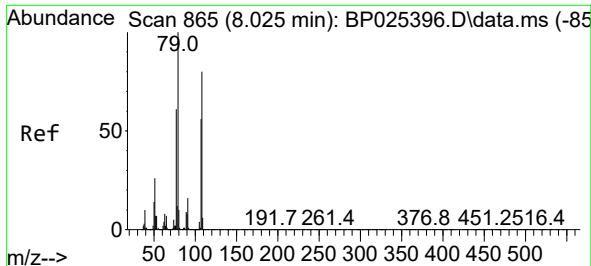
Tgt Ion:146 Resp: 546465
Ion Ratio Lower Upper
146 100
148 63.9 51.6 77.4
111 42.2 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 43.069 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:146 Resp: 530443
Ion Ratio Lower Upper
146 100
148 64.8 50.4 75.6
111 45.0 34.5 51.7

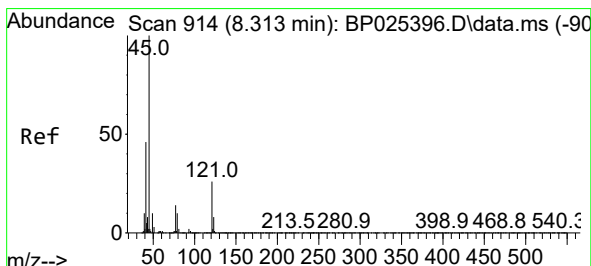
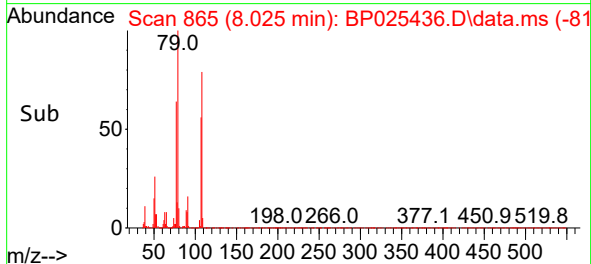
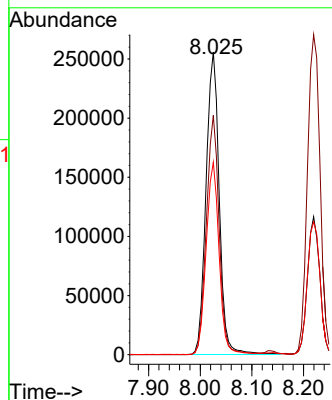
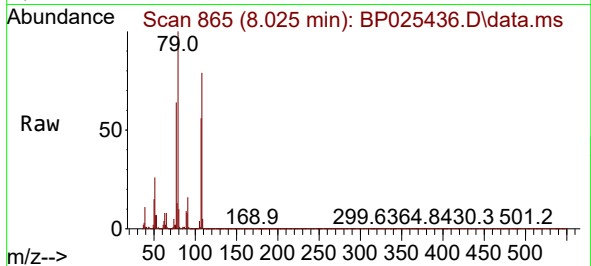




#15
Benzyl Alcohol
Concen: 44.621 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

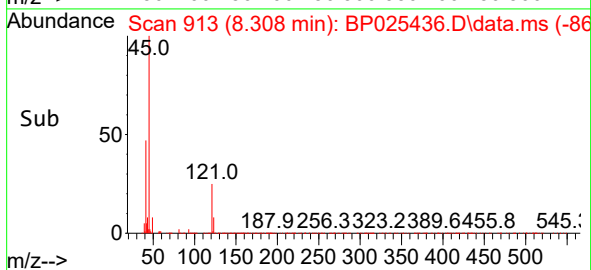
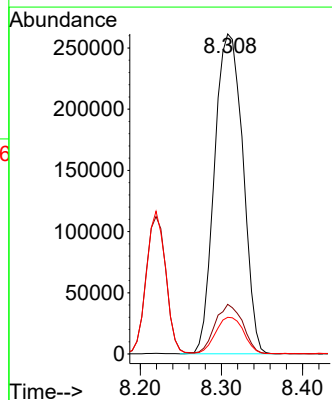
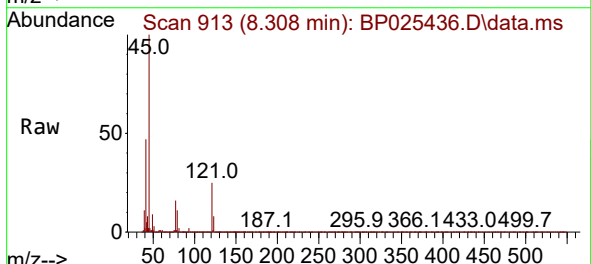
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

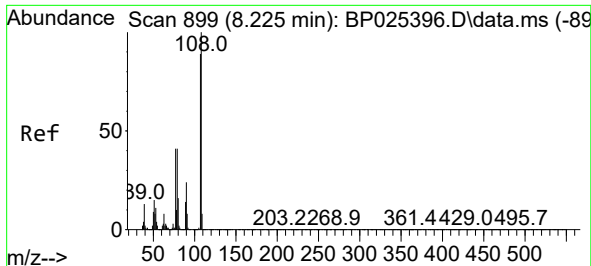
Tgt Ion: 79 Resp: 454736
Ion Ratio Lower Upper
79 100
108 79.1 63.8 95.6
77 63.6 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.158 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 45 Resp: 634562
Ion Ratio Lower Upper
45 100
77 15.5 0.0 35.3
79 11.5 0.0 31.8

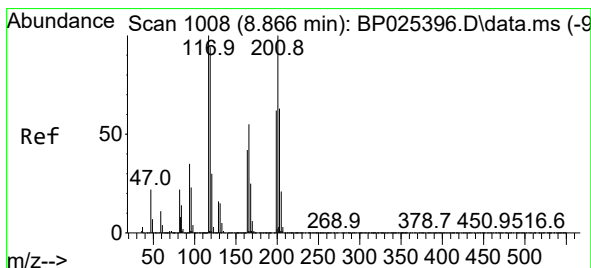
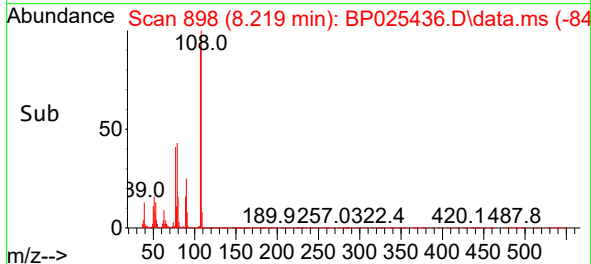
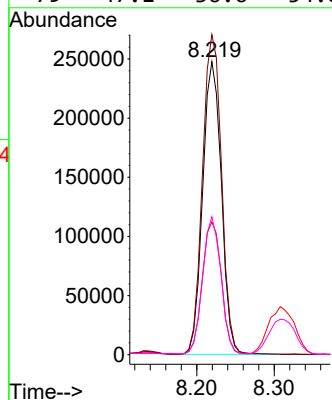
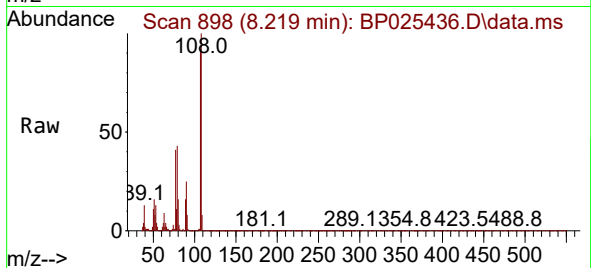




#17
2-Methylphenol
Concen: 44.345 ng
RT: 8.219 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

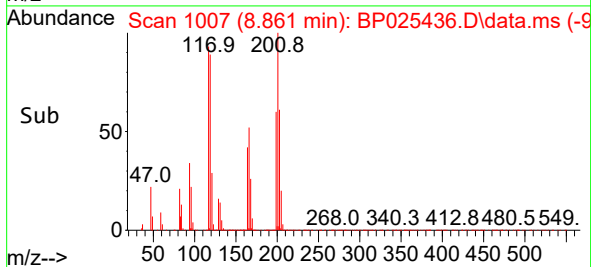
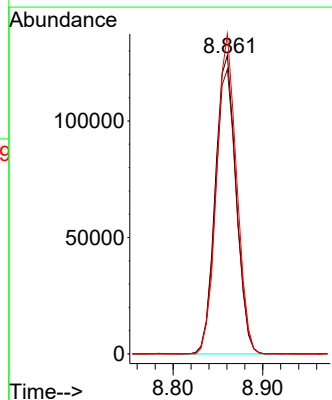
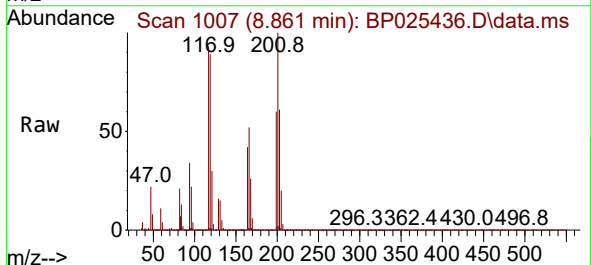
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

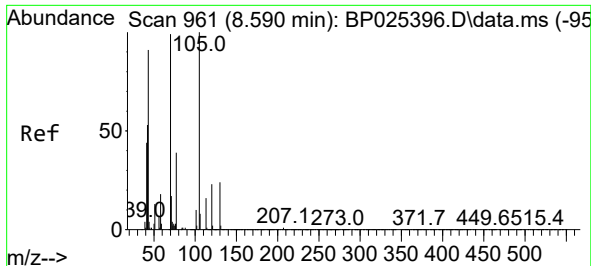
Tgt Ion:	107	Resp:	414498
Ion	Ratio	Lower	Upper
107	100		
108	109.3	89.4	134.0
77	45.3	36.3	54.5
79	47.1	36.6	54.8



#18
Hexachloroethane
Concen: 44.074 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:	117	Resp:	206177
Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
201	107.2	80.1	120.1

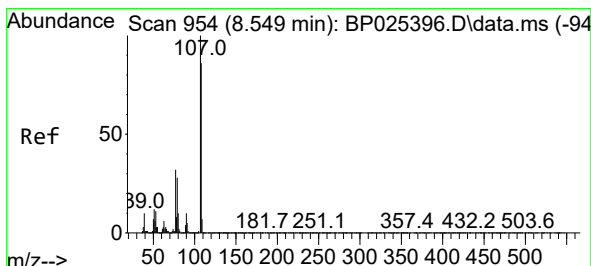
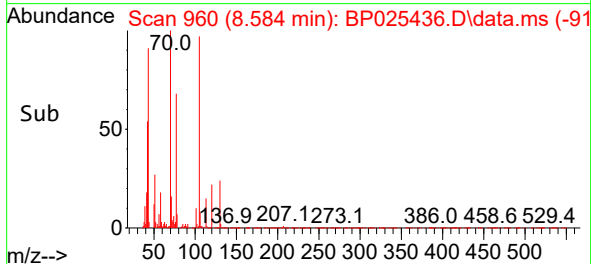
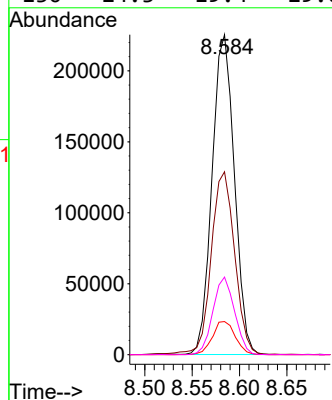
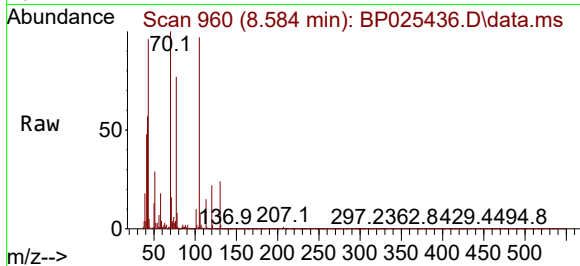




#19
n-Nitroso-di-n-propylamine
Concen: 43.396 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

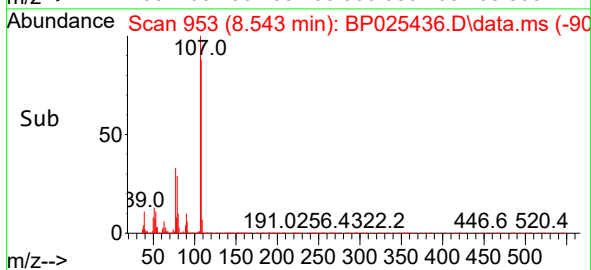
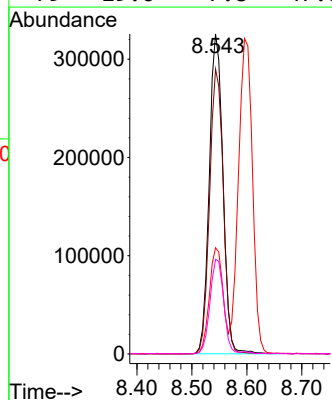
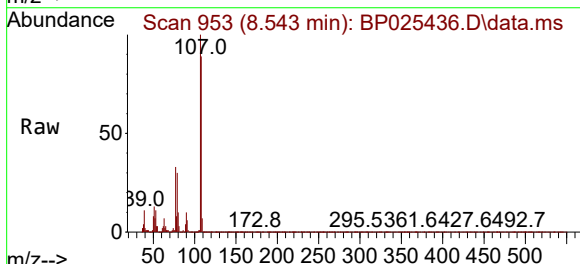
Instrument :
BNA_P
ClientSampleId :
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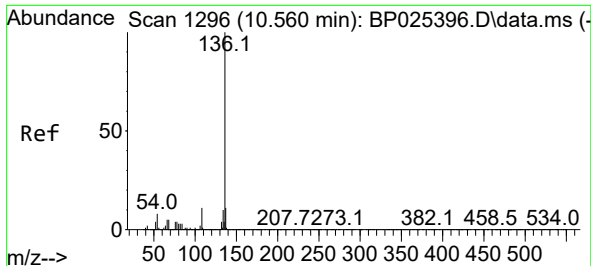
Tgt Ion: 70 Resp: 368678
Ion Ratio Lower Upper
70 100
42 57.2 43.8 65.6
101 10.4 8.5 12.7
130 24.3 19.4 29.0



#20
3+4-Methylphenols
Concen: 43.573 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 107 Resp: 564553
Ion Ratio Lower Upper
107 100
108 89.1 66.3 106.3
77 33.2 12.3 52.3
79 29.6 7.8 47.8

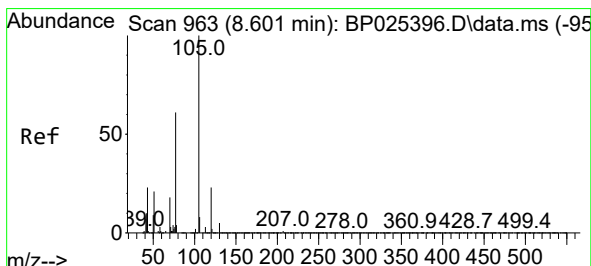
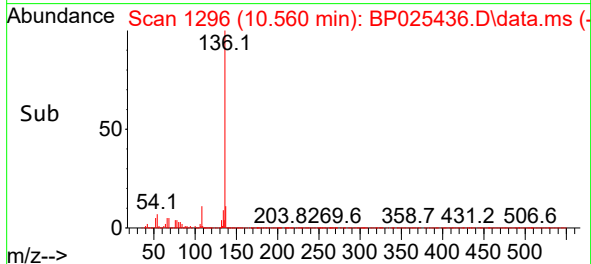
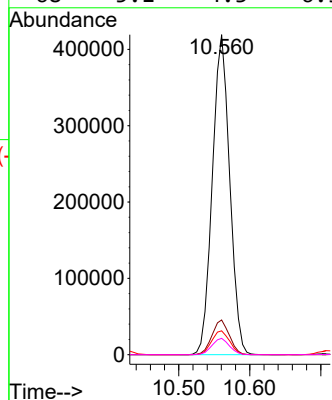
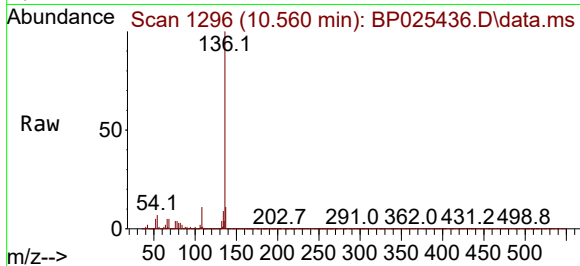




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

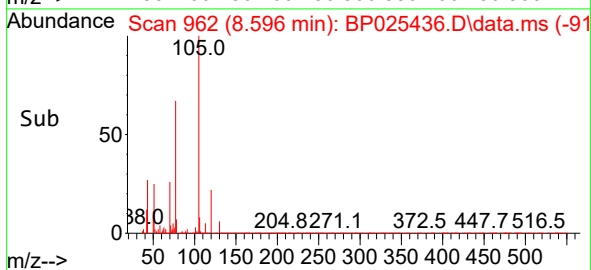
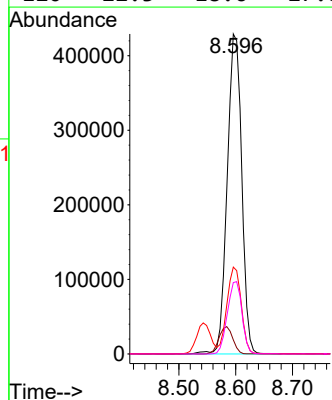
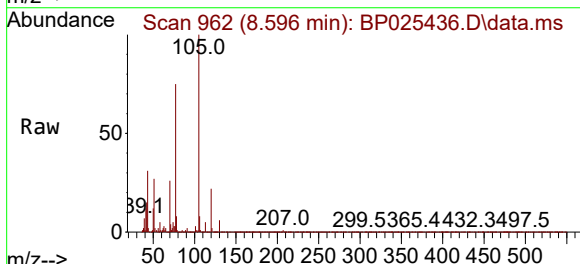
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

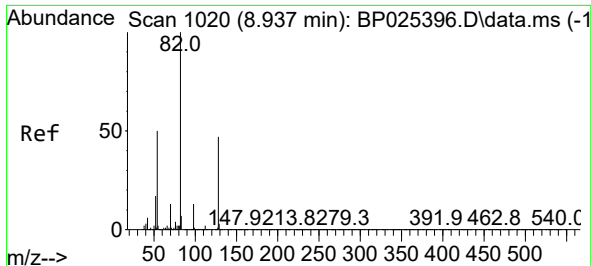
Tgt Ion:	136	Resp:	710479
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.2	13.8
54	7.5	6.0	9.0
68	5.1	4.3	6.5



#22
Acetophenone
Concen: 42.809 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:	105	Resp:	762747
Ion Ratio	Lower	Upper	
105	100		
71	4.4	2.6	4.0#
51	27.1	20.6	30.8
120	22.3	18.6	27.8

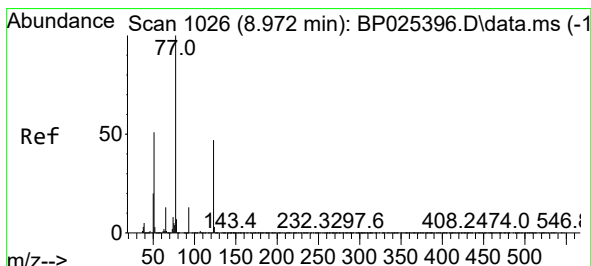
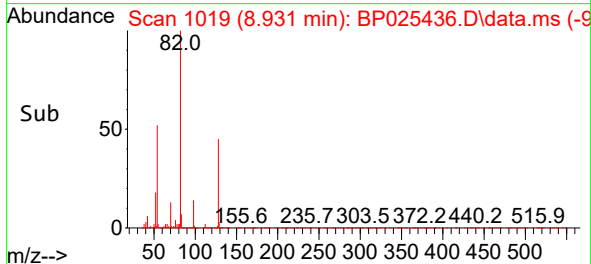
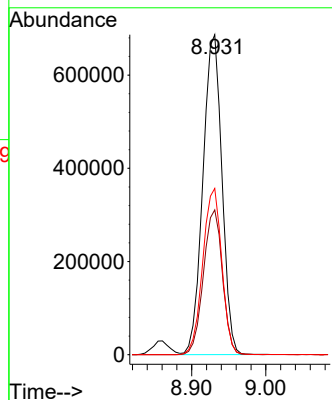
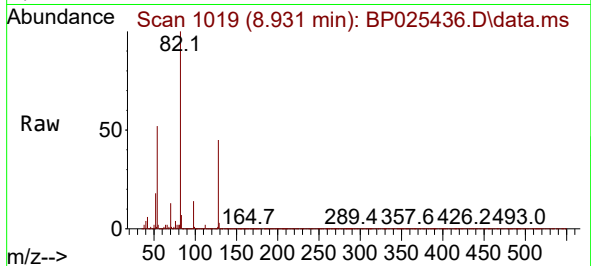




#23
Nitrobenzene-d5
Concen: 87.195 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

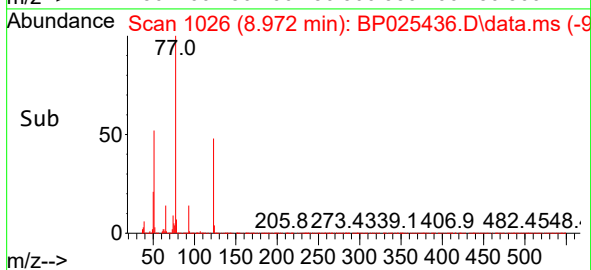
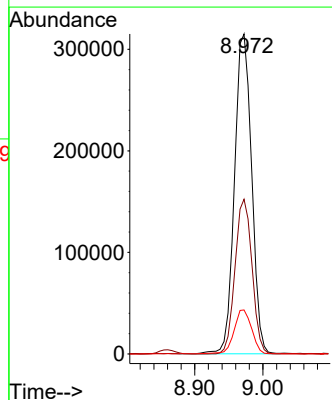
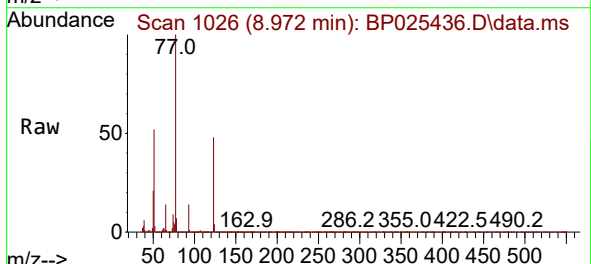
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

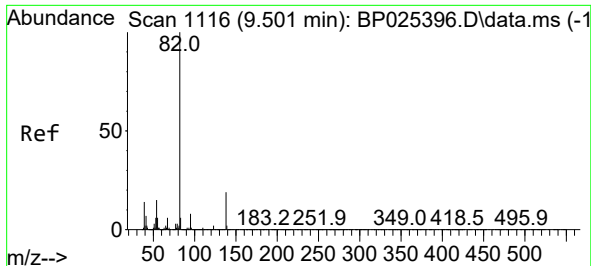
Tgt Ion: 82 Resp: 1224664
Ion Ratio Lower Upper
82 100
128 45.3 37.7 56.5
54 52.0 39.8 59.6



#24
Nitrobenzene
Concen: 43.917 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 77 Resp: 551258
Ion Ratio Lower Upper
77 100
123 48.4 38.6 58.0
65 13.8 10.6 15.8

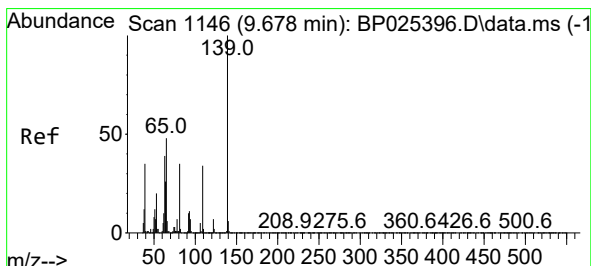
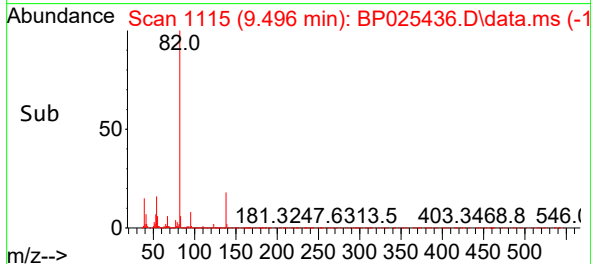
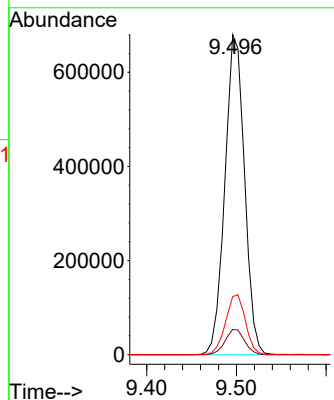
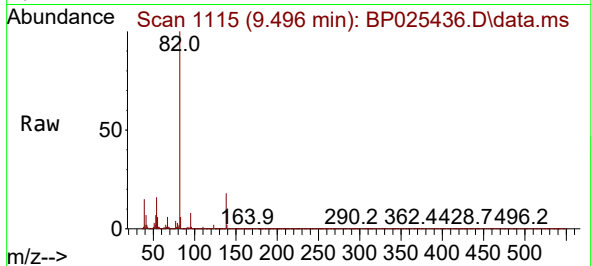




#25
Isophorone
Concen: 41.573 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

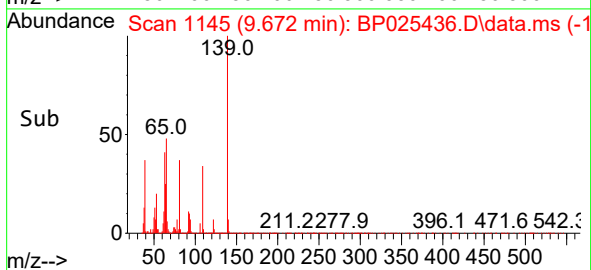
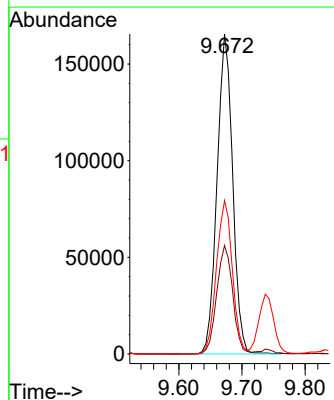
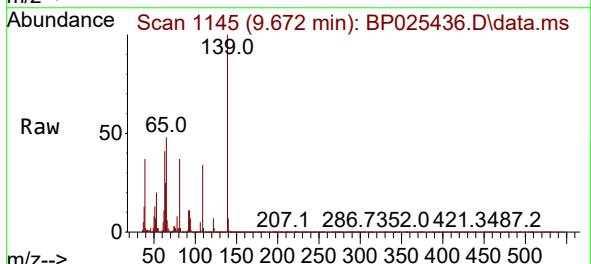
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

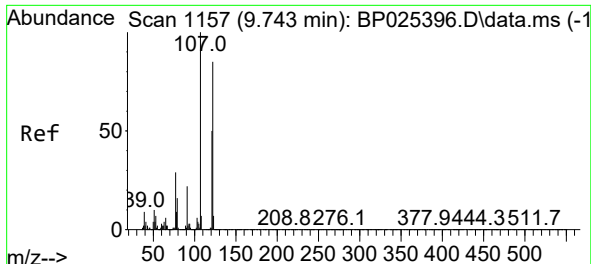
Tgt Ion: 82 Resp: 1033357
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 18.1 15.4 23.0



#26
2-Nitrophenol
Concen: 43.982 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 139 Resp: 283328
Ion Ratio Lower Upper
139 100
109 33.9 26.9 40.3
65 47.9 38.3 57.5

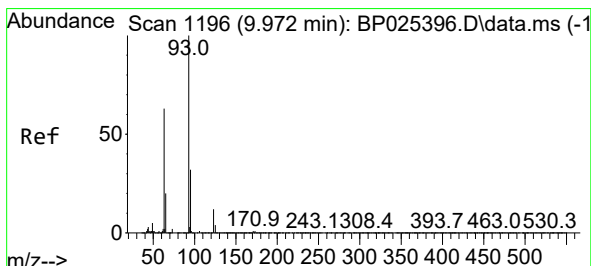
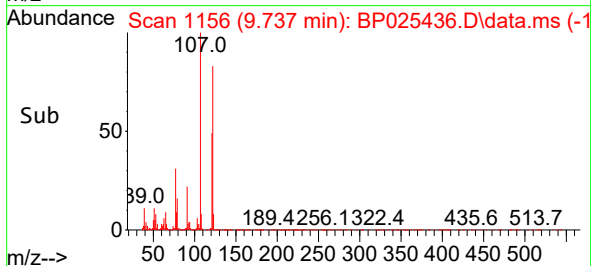
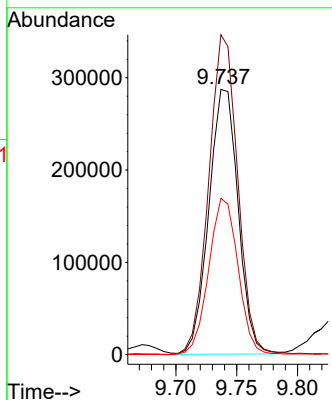
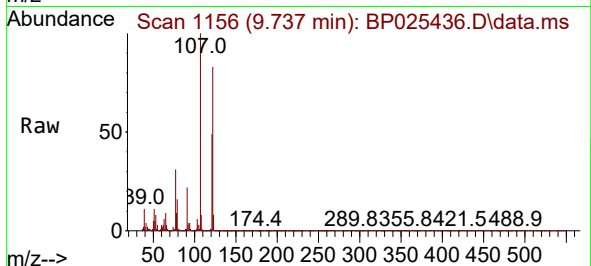




#27
2,4-Dimethylphenol
Concen: 43.443 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

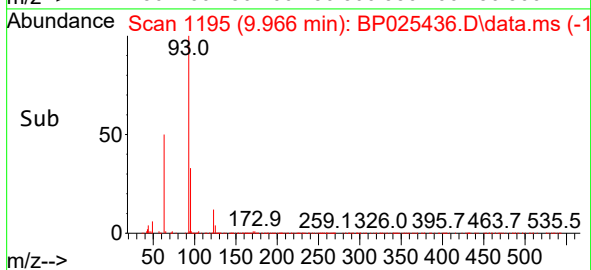
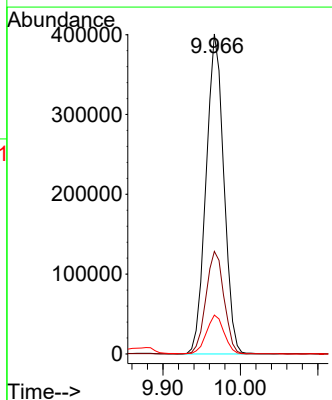
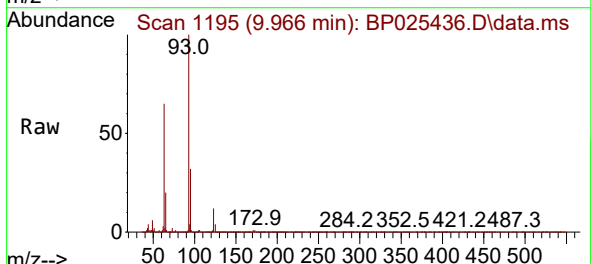
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

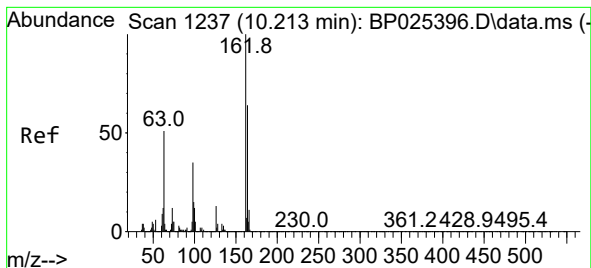
Tgt Ion:122 Resp: 481271
Ion Ratio Lower Upper
122 100
107 120.6 93.7 140.5
121 58.9 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 42.398 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 93 Resp: 637027
Ion Ratio Lower Upper
93 100
95 32.1 25.4 38.0
123 12.1 9.4 14.0

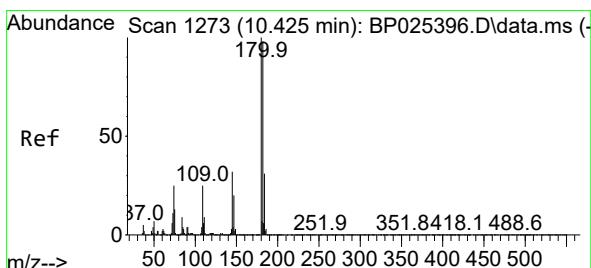
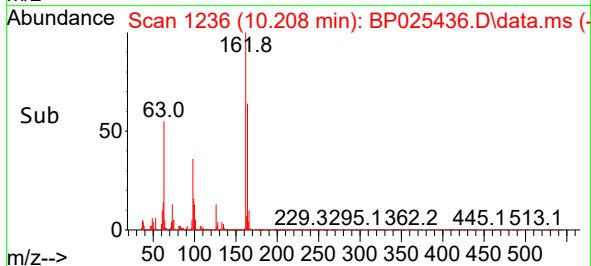
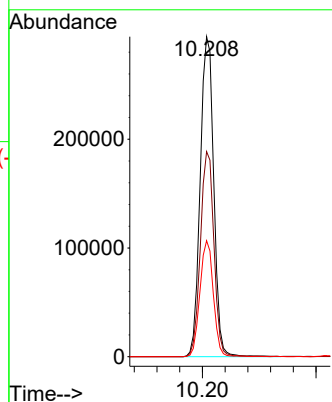
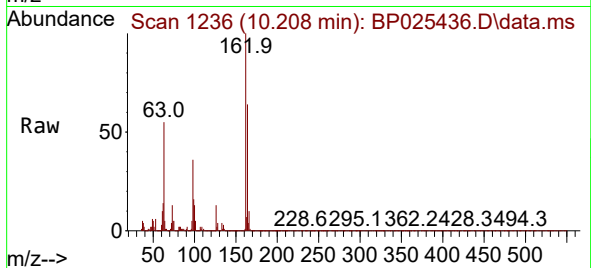




#29
2,4-Dichlorophenol
Concen: 44.245 ng
RT: 10.208 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

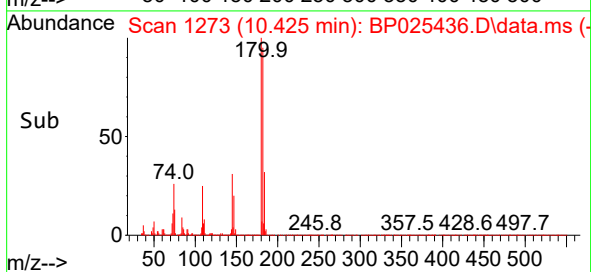
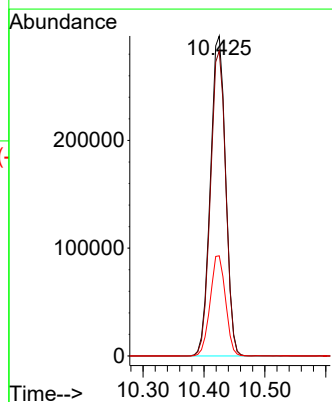
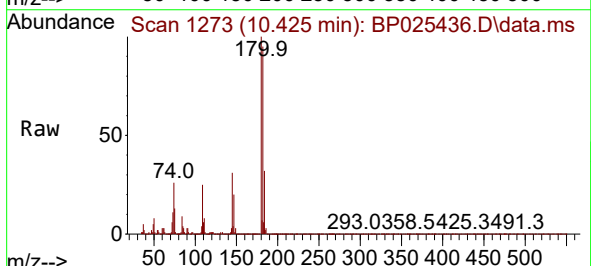
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

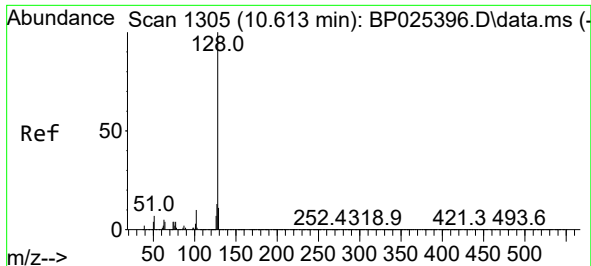
Tgt Ion:162 Resp: 486914
Ion Ratio Lower Upper
162 100
164 64.1 44.4 84.4
98 36.2 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 42.762 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:180 Resp: 515873
Ion Ratio Lower Upper
180 100
182 95.3 78.0 117.0
145 31.3 25.9 38.9

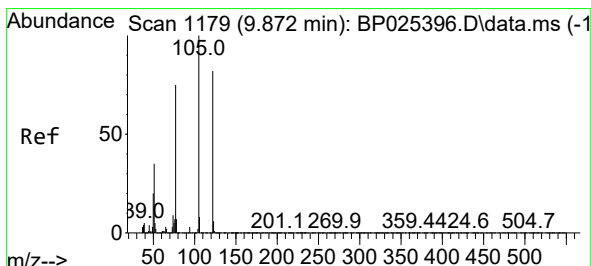
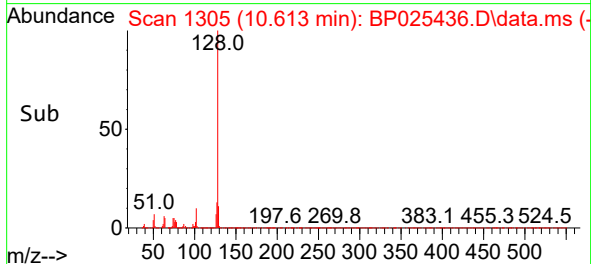
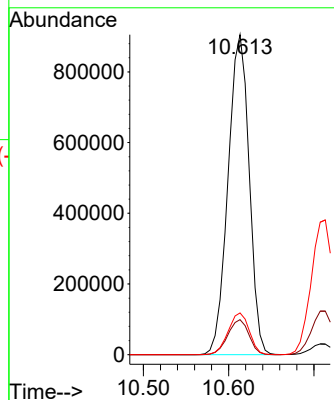
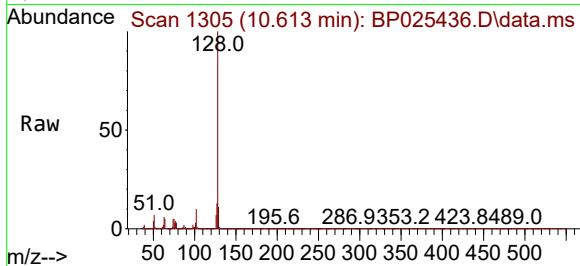




#31
Naphthalene
Concen: 42.217 ng
RT: 10.613 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

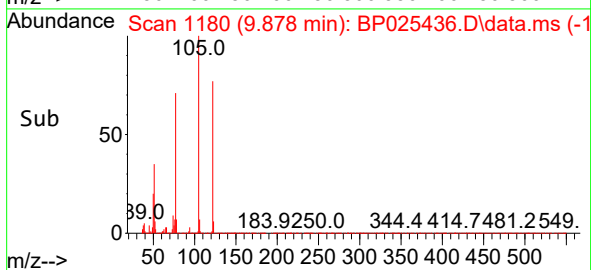
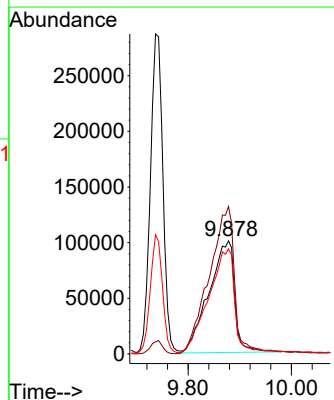
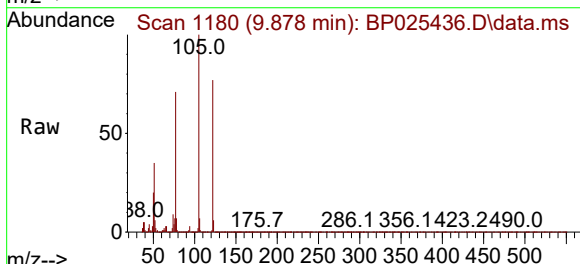
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

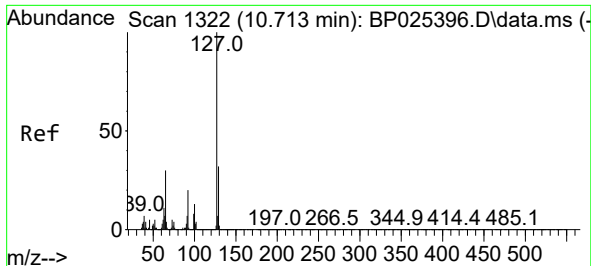
Tgt Ion:128 Resp: 1558976
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.0 10.7 16.1



#32
Benzoic acid
Concen: 42.339 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:122 Resp: 346284
Ion Ratio Lower Upper
122 100
105 130.5 100.6 140.6
77 93.0 71.5 111.5

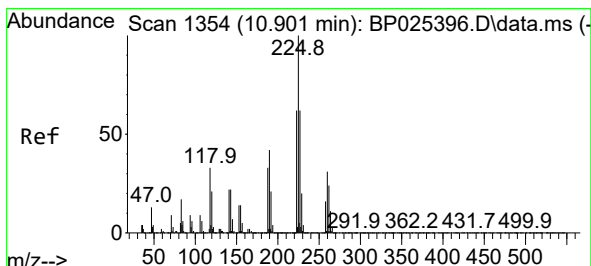
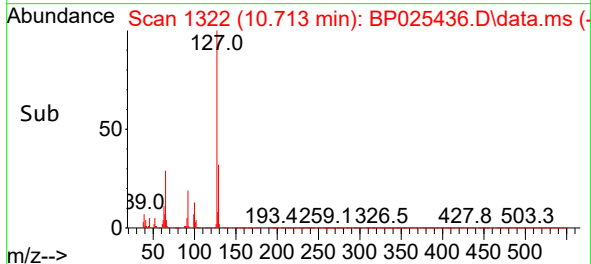
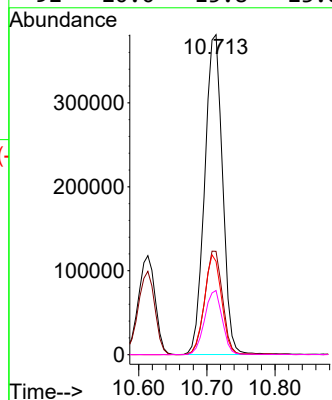
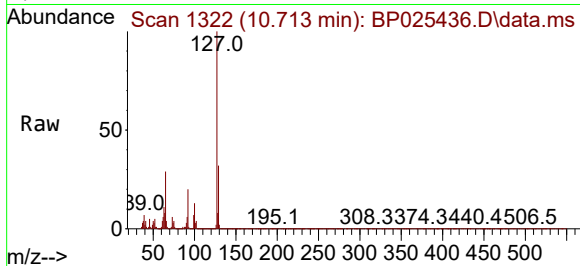




#33
4-Chloroaniline
Concen: 42.532 ng
RT: 10.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

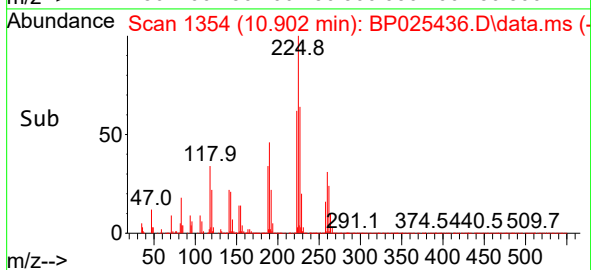
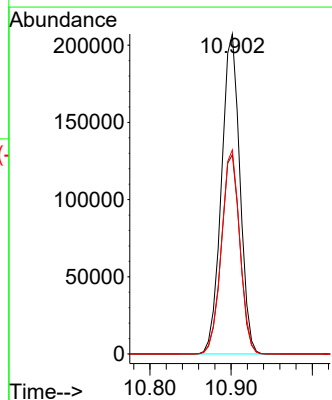
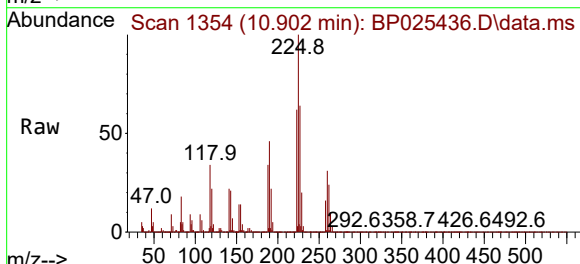
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

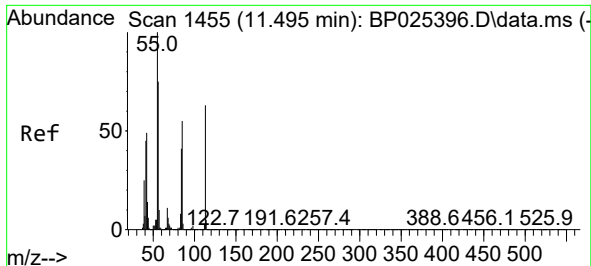
Tgt Ion:127	Resp: 693770
Ion Ratio	Lower Upper
127 100	
129 32.3	25.4 38.2
65 29.1	23.8 35.6
92 20.0	15.8 23.8



#34
Hexachlorobutadiene
Concen: 43.456 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt	Ion:225	Resp:	326490
Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.0	75.0
227	63.8	49.7	74.5

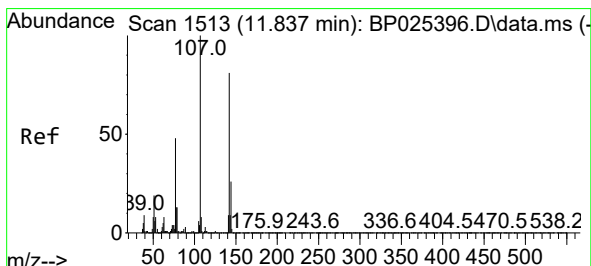
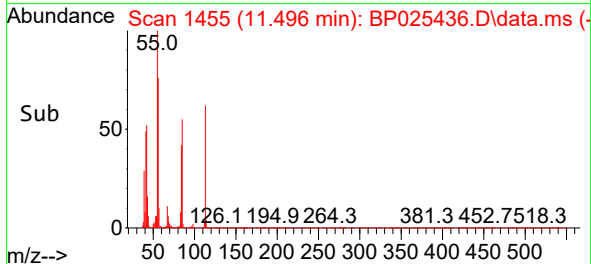
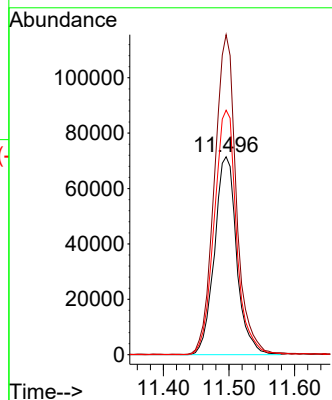
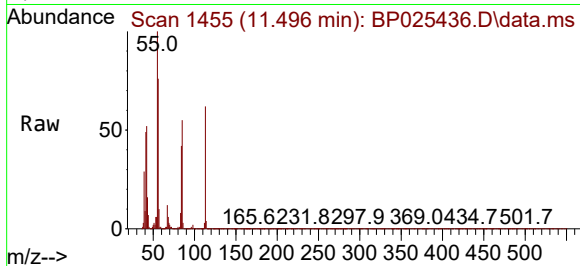




#35
Caprolactam
Concen: 41.554 ng
RT: 11.496 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

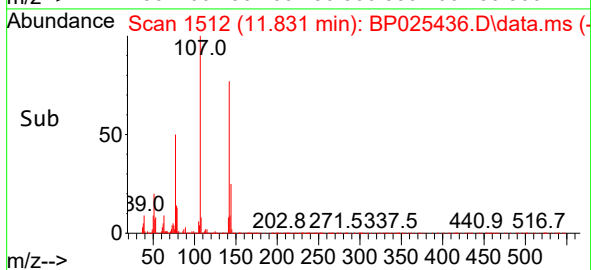
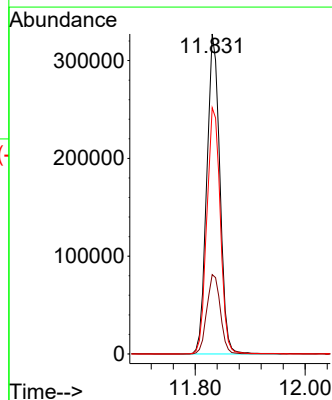
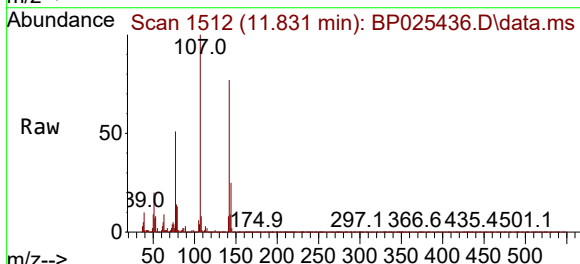
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

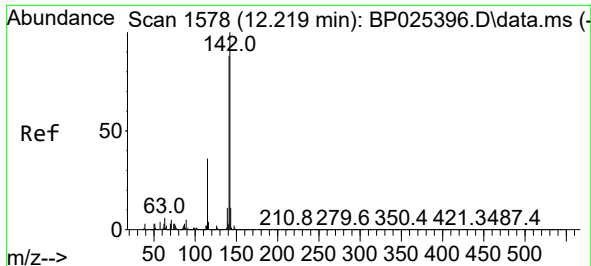
Tgt Ion:113 Resp: 167685
Ion Ratio Lower Upper
113 100
55 161.7 140.0 180.0
56 123.5 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 42.698 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:107 Resp: 539188
Ion Ratio Lower Upper
107 100
144 24.8 21.0 31.4
142 76.9 64.6 97.0

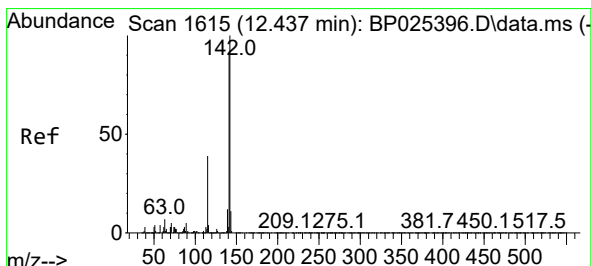
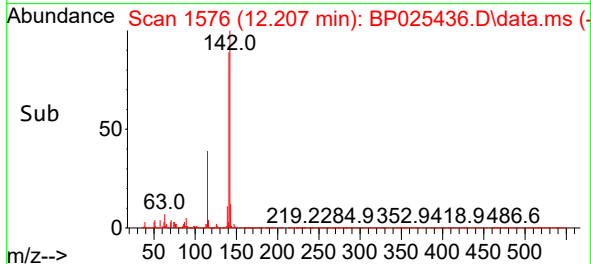
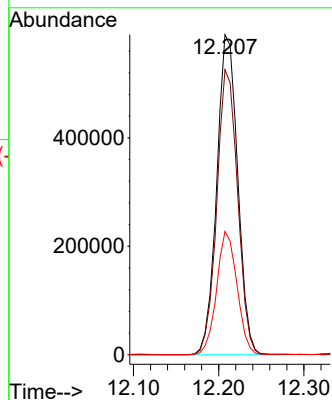
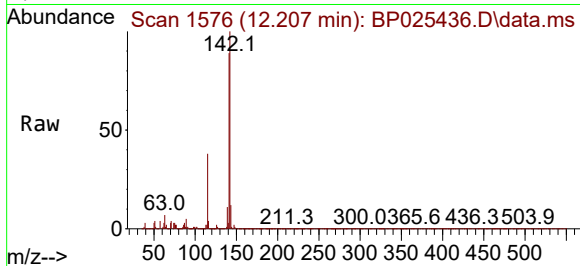




#37
2-Methylnaphthalene
Concen: 41.968 ng
RT: 12.207 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

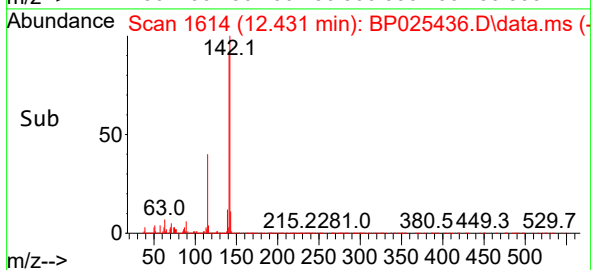
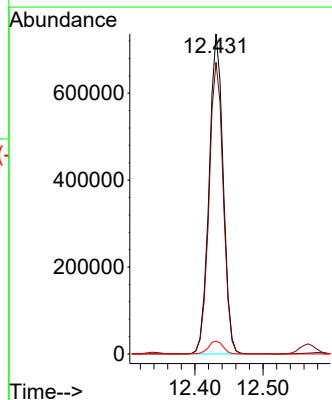
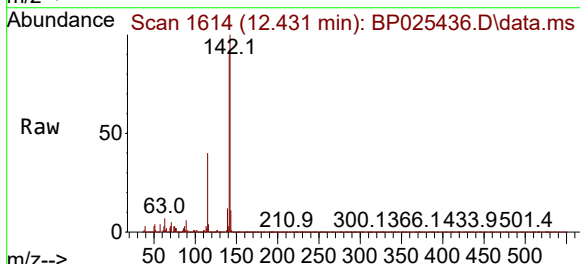
Instrument :
BNA_P
ClientSampleId :
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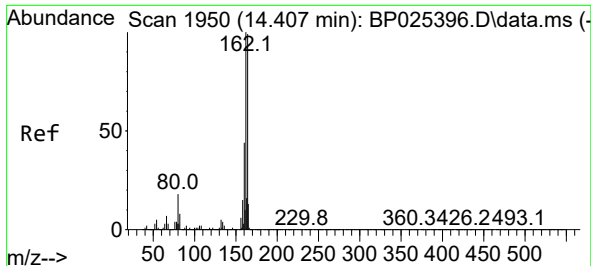
Tgt Ion:142 Resp: 1008537
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 38.5 28.9 43.3



#38
1-Methylnaphthalene
Concen: 41.373 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:142 Resp: 1057345
Ion Ratio Lower Upper
142 100
141 91.2 73.1 109.7
116 4.1 3.2 4.8

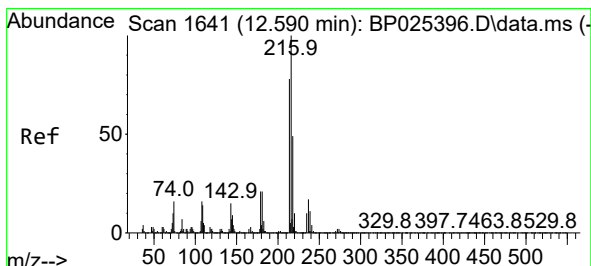
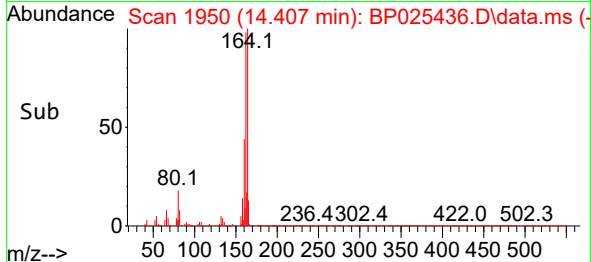
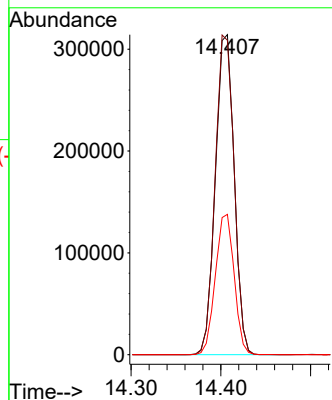
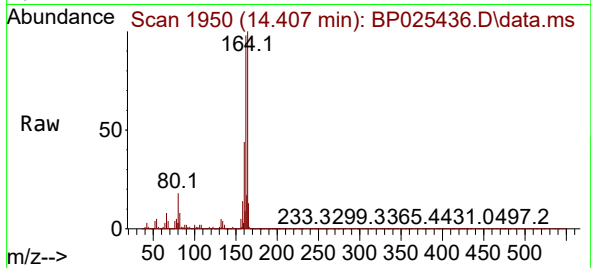




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

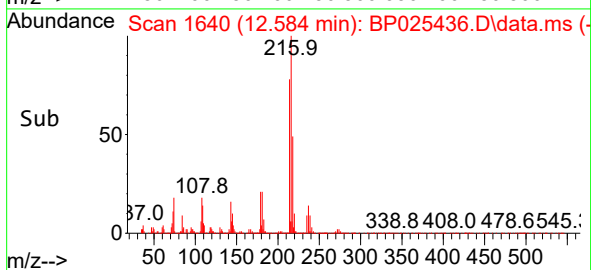
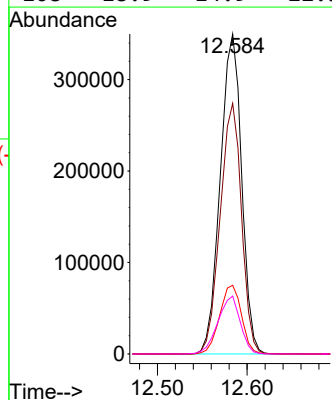
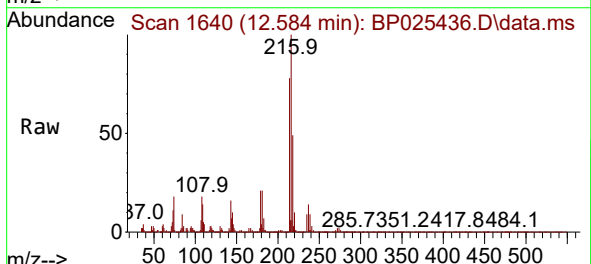
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

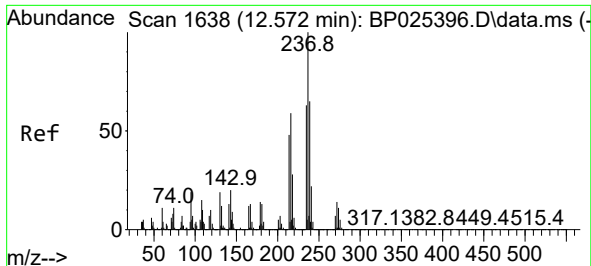
Tgt Ion:164 Resp: 456766
Ion Ratio Lower Upper
164 100
162 98.2 81.0 121.6
160 43.8 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.807 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:216 Resp: 577904
Ion Ratio Lower Upper
216 100
214 78.1 63.0 94.4
179 22.0 17.1 25.7
108 18.9 14.9 22.3

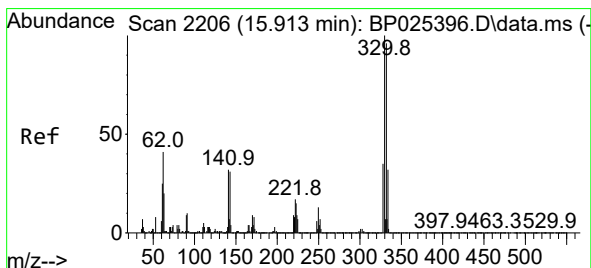
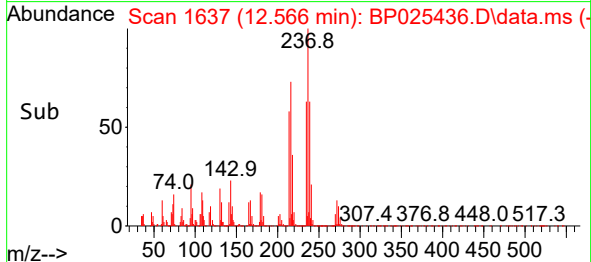
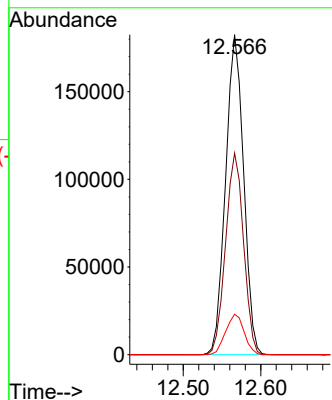
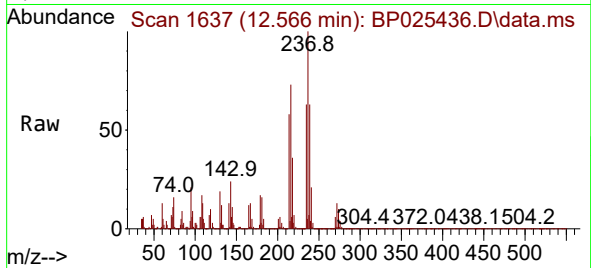




#41
Hexachlorocyclopentadiene
Concen: 37.087 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

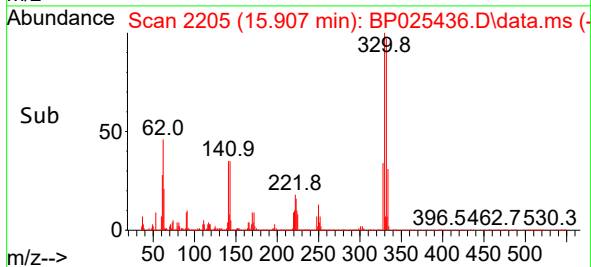
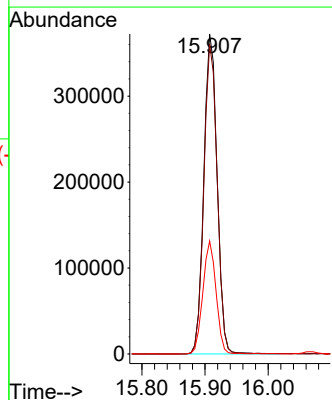
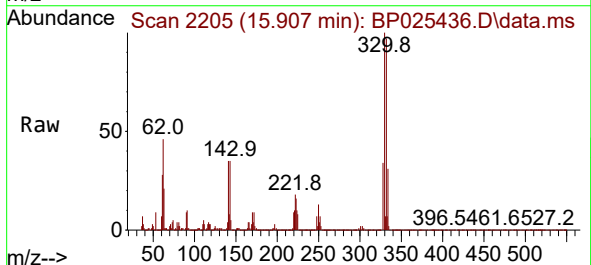
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

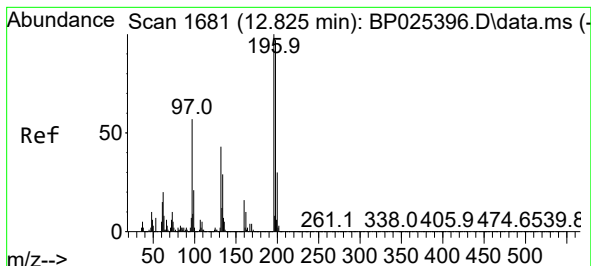
Tgt Ion:237 Resp: 295524
Ion Ratio Lower Upper
237 100
235 63.0 42.7 82.7
272 12.7 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 88.488 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:330 Resp: 544037
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 35.0 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 44.759 ng

RT: 12.825 min Scan# 1681

Delta R.T. 0.000 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

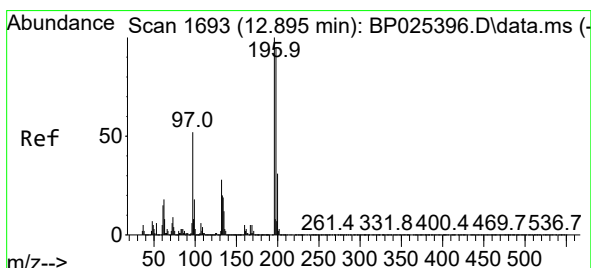
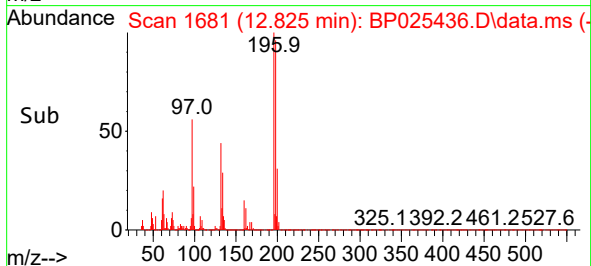
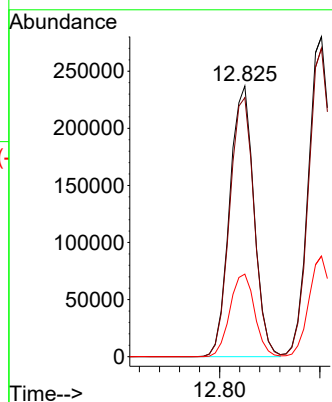
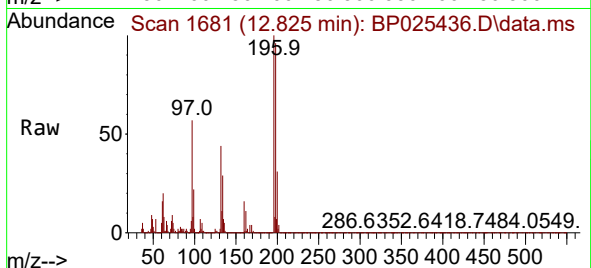
Tgt Ion:196 Resp: 398621

Ion Ratio Lower Upper

196 100

198 95.7 77.2 115.8

200 30.5 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 45.101 ng

RT: 12.902 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Tgt Ion:196 Resp: 440218

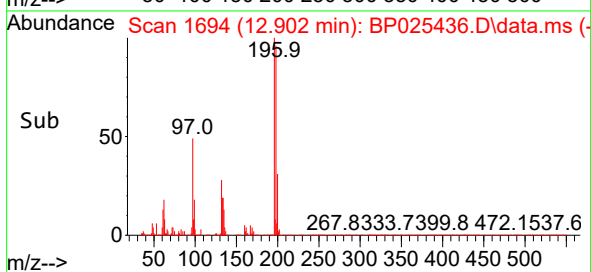
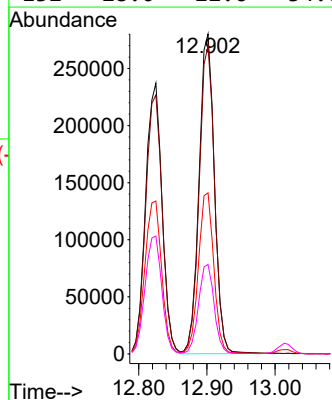
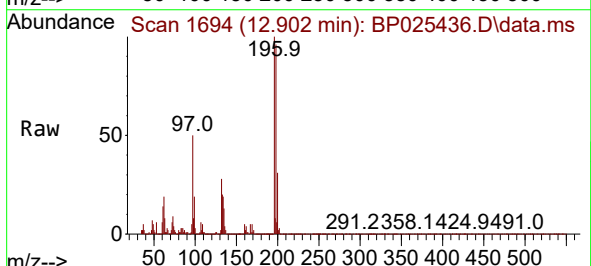
Ion Ratio Lower Upper

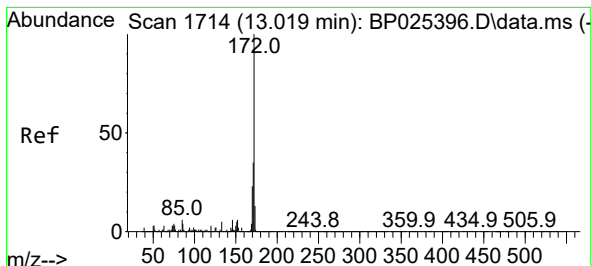
196 100

198 96.4 76.2 114.2

97 50.4 41.2 61.8

132 28.0 22.6 34.0

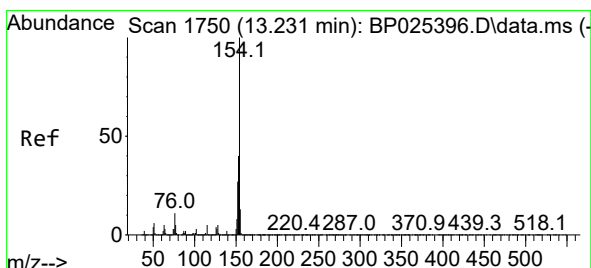
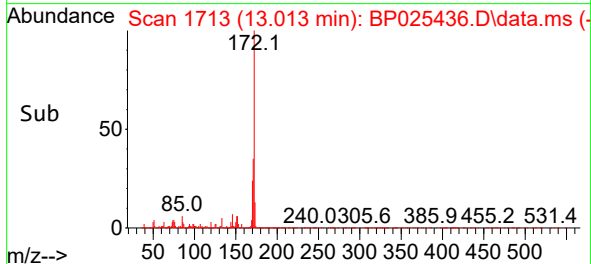
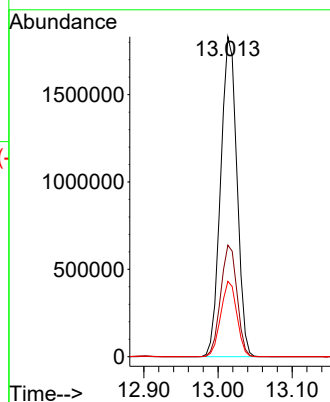
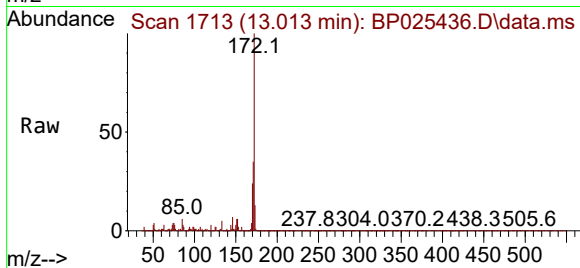




#45
2-Fluorobiphenyl
Concen: 83.499 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

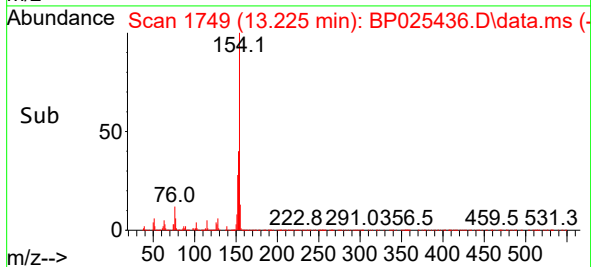
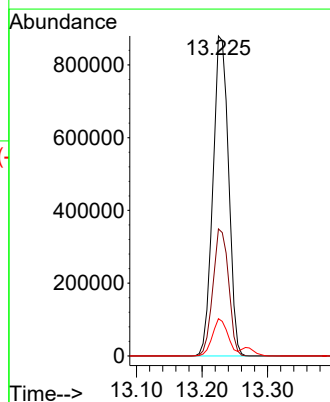
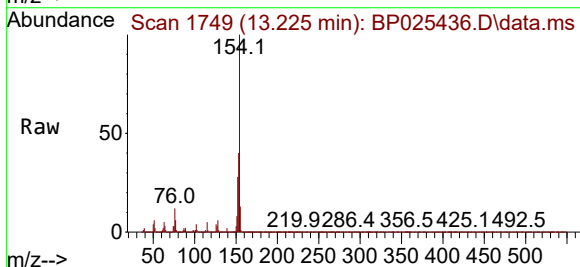
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

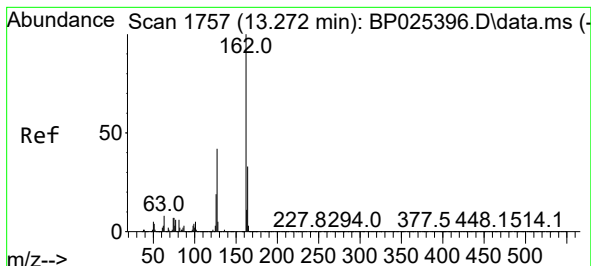
Tgt Ion:172 Resp: 2790655
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 43.790 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:154 Resp: 1452635
Ion Ratio Lower Upper
154 100
153 39.7 19.5 59.5
76 11.6 0.0 31.1

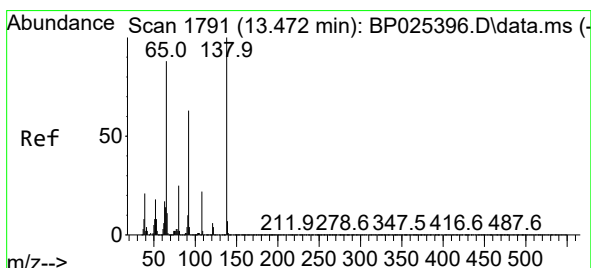
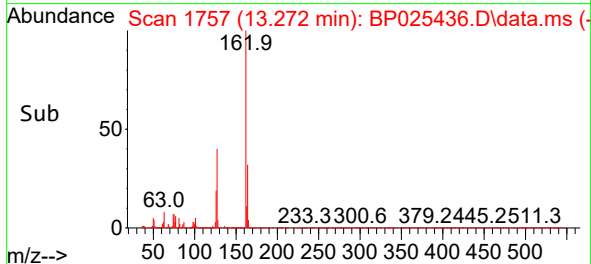
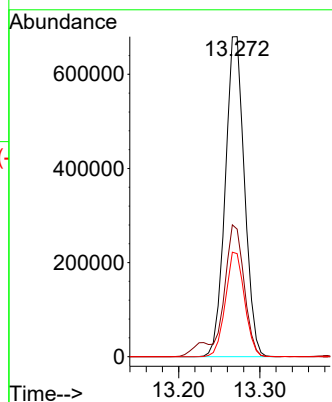
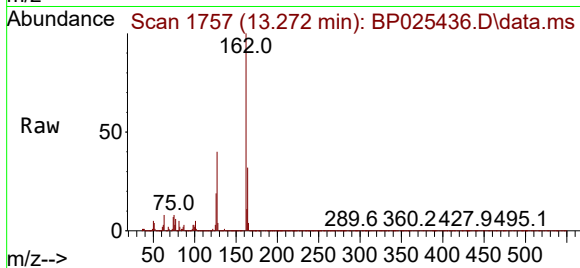




#47
2-Chloronaphthalene
Concen: 43.406 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

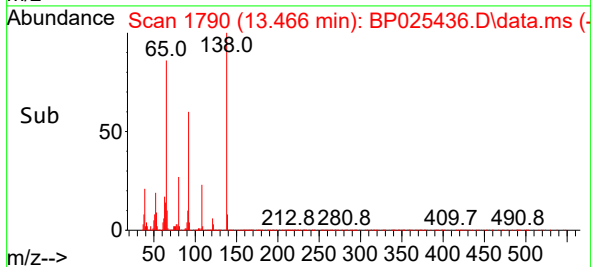
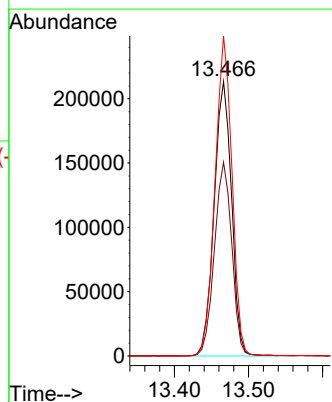
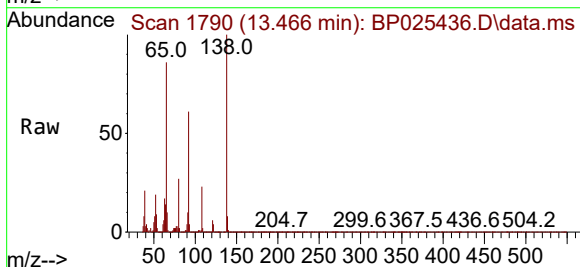
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

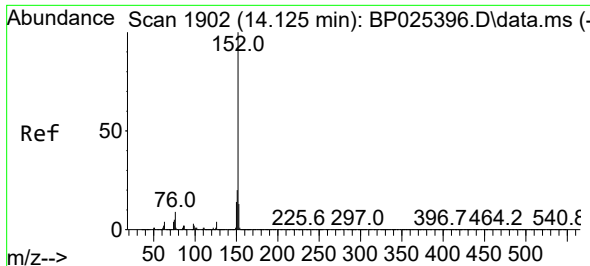
Tgt Ion:162 Resp: 1120958
Ion Ratio Lower Upper
162 100
127 39.8 33.4 50.2
164 32.2 26.2 39.2



#48
2-Nitroaniline
Concen: 46.337 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 65 Resp: 348676
Ion Ratio Lower Upper
65 100
92 70.5 57.6 86.4
138 116.5 91.0 136.6

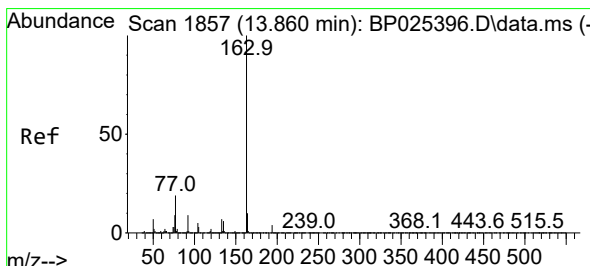
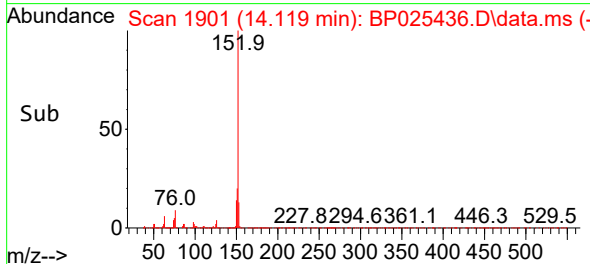
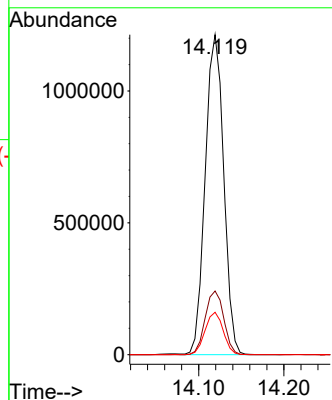
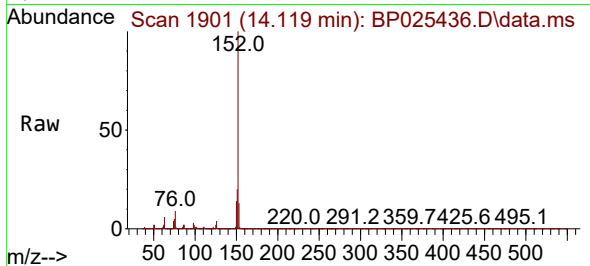




#49
Acenaphthylene
Concen: 42.840 ng
RT: 14.119 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

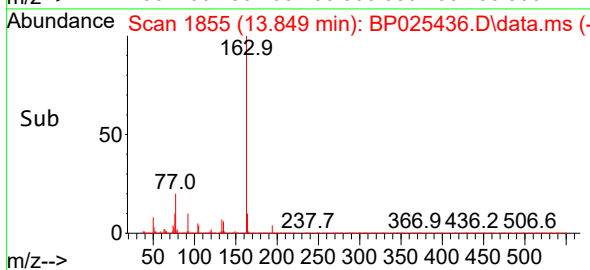
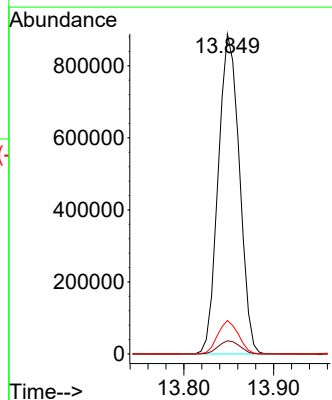
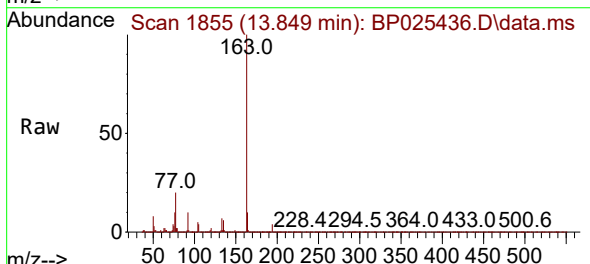
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

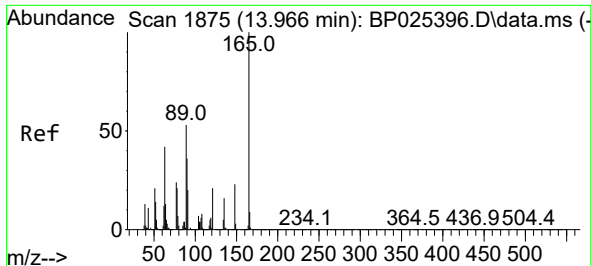
Tgt Ion:152 Resp: 1830675
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 43.502 ng
RT: 13.849 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:163 Resp: 1455084
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.4 7.9 11.9

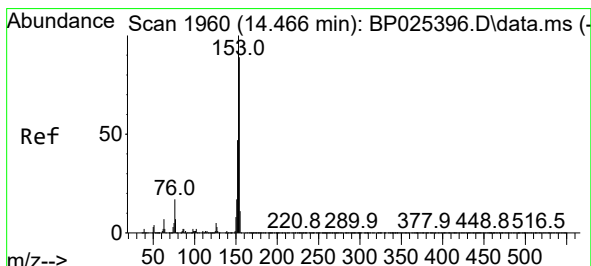
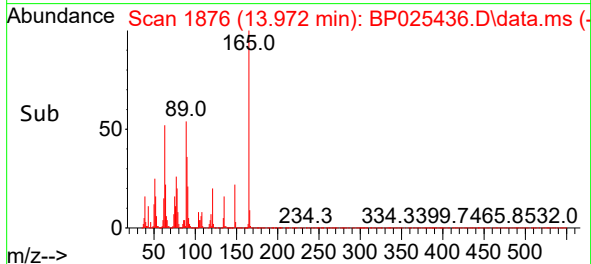
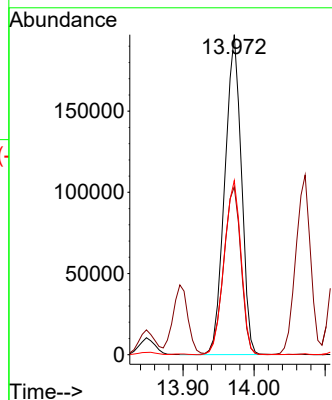
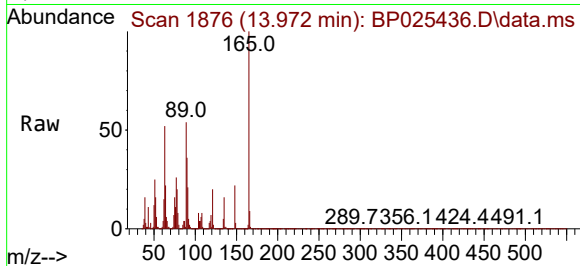




#51
2,6-Dinitrotoluene
Concen: 45.175 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

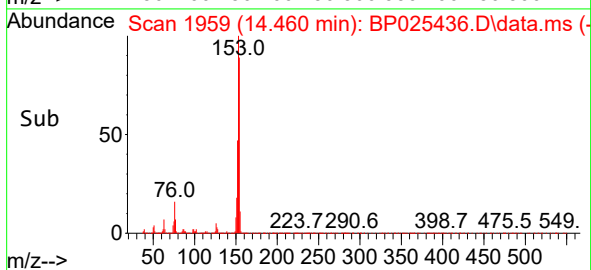
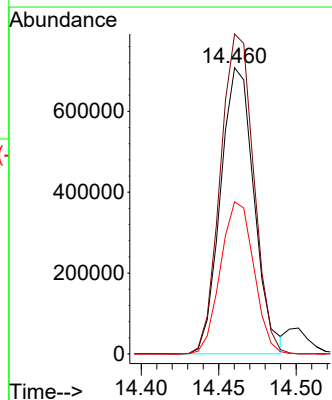
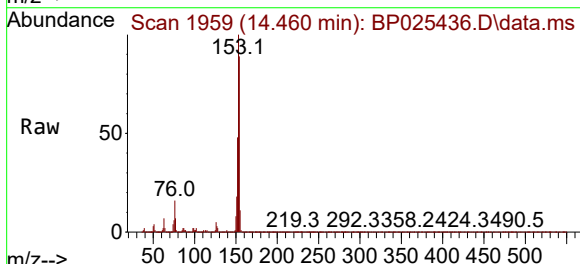
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

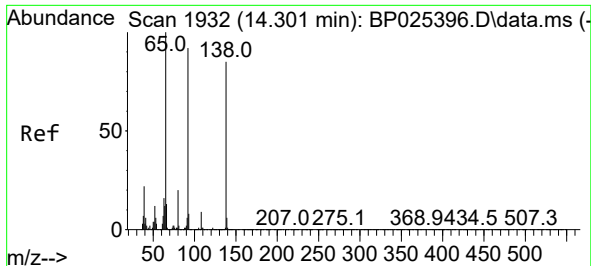
Tgt Ion:165 Resp: 318483
Ion Ratio Lower Upper
165 100
63 52.5 40.9 61.3
89 54.4 42.1 63.1



#52
Acenaphthene
Concen: 42.553 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:154 Resp: 1067358
Ion Ratio Lower Upper
154 100
153 111.8 90.2 135.2
152 53.2 42.1 63.1

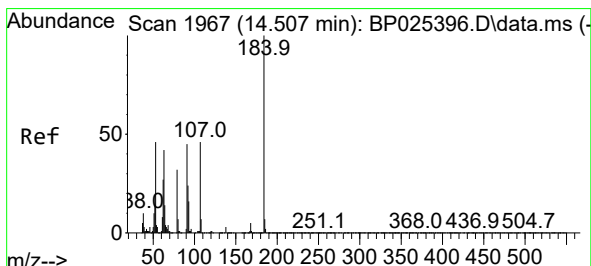
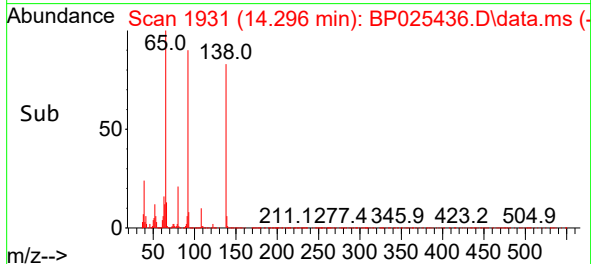
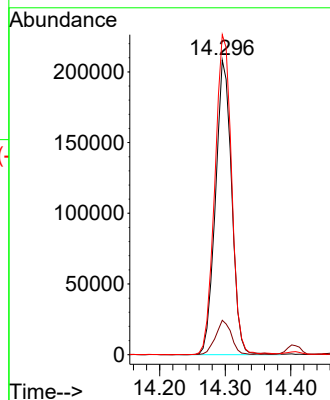
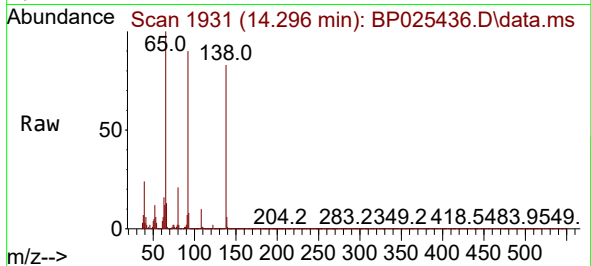




#53
3-Nitroaniline
Concen: 44.932 ng
RT: 14.296 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

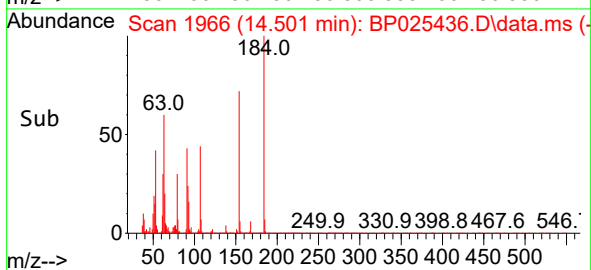
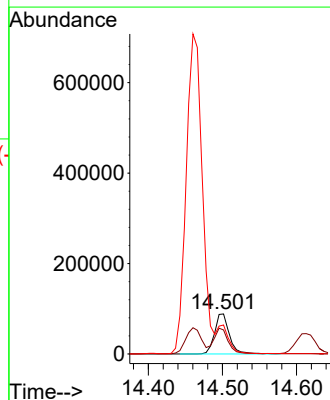
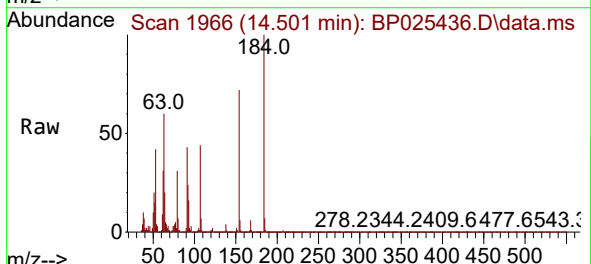
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

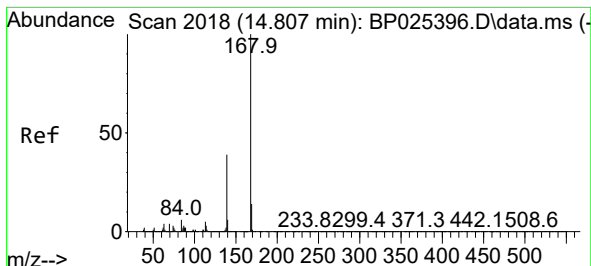
Tgt Ion:138 Resp: 356395
Ion Ratio Lower Upper
138 100
108 11.7 8.3 12.5
92 108.6 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 32.634 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:184 Resp: 122865
Ion Ratio Lower Upper
184 100
63 60.0 49.4 74.2
154 72.5 54.6 82.0

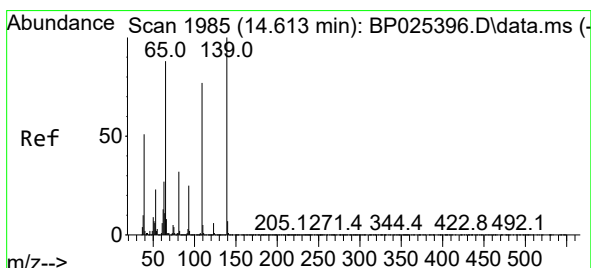
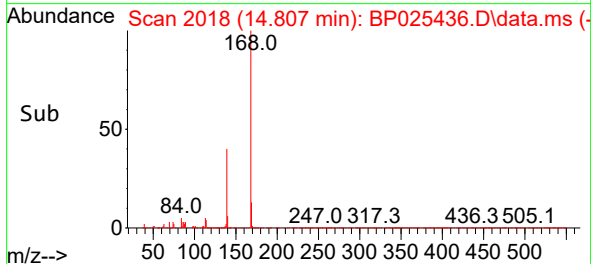
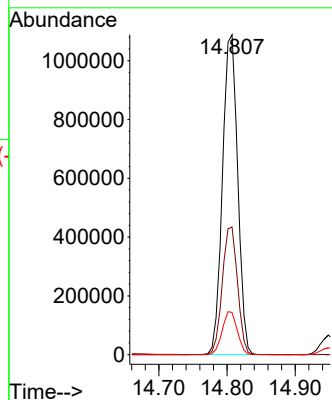
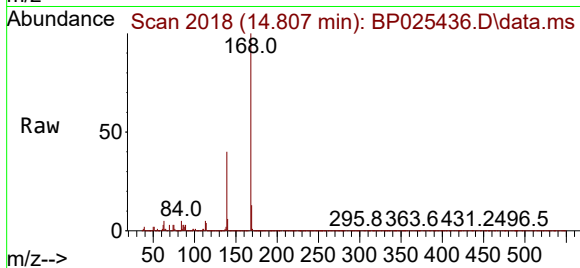




#55
Dibenzenofuran
Concen: 42.593 ng
RT: 14.807 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

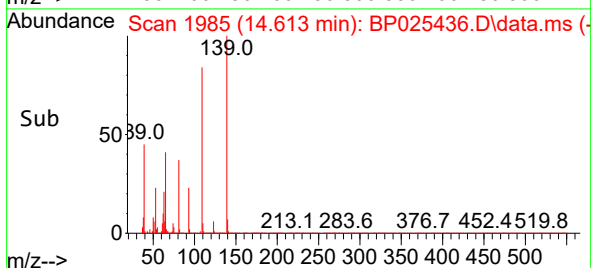
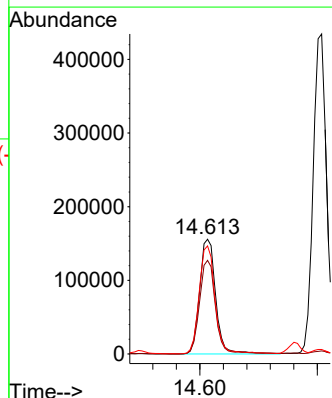
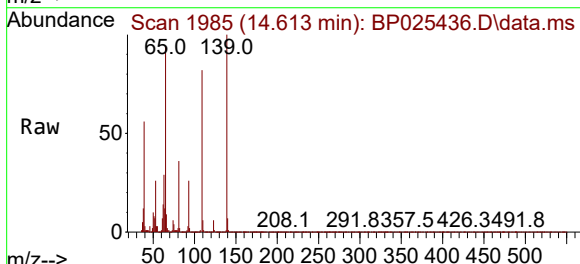
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

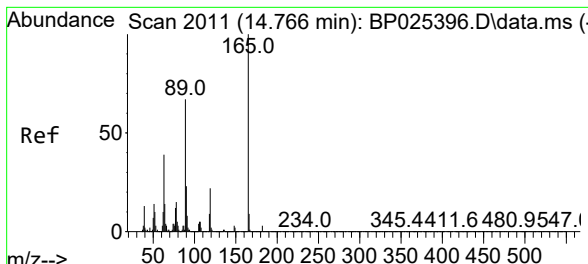
Tgt Ion:168 Resp: 1689125
Ion Ratio Lower Upper
168 100
139 39.9 31.5 47.3
169 13.2 10.9 16.3



#56
4-Nitrophenol
Concen: 45.358 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:139 Resp: 295639
Ion Ratio Lower Upper
139 100
109 81.5 56.6 96.6
65 94.1 68.2 108.2

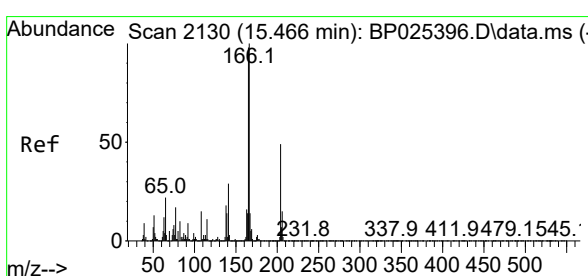
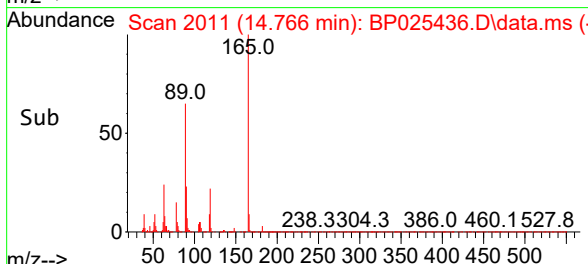
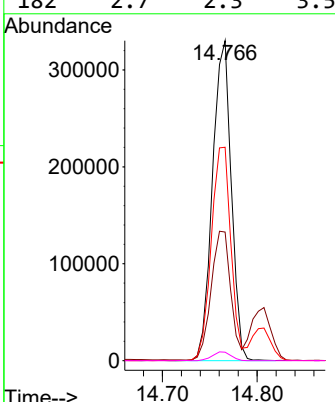
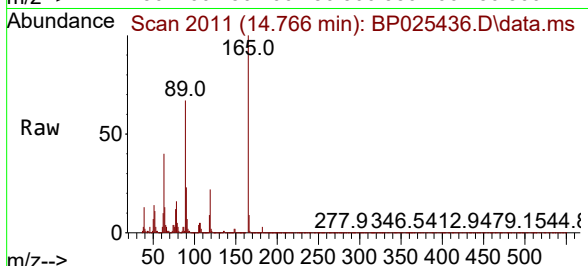




#57
 2,4-Dinitrotoluene
 Concen: 45.189 ng
 RT: 14.766 min Scan# 2011
 Delta R.T. 0.000 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

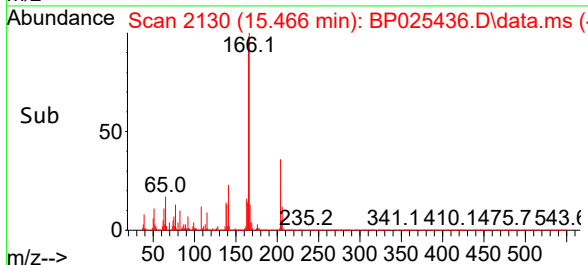
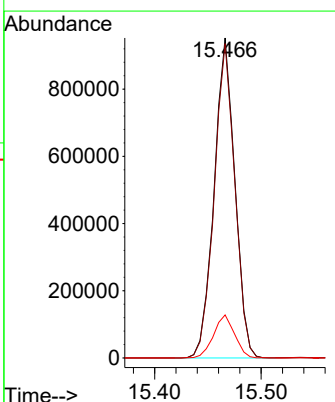
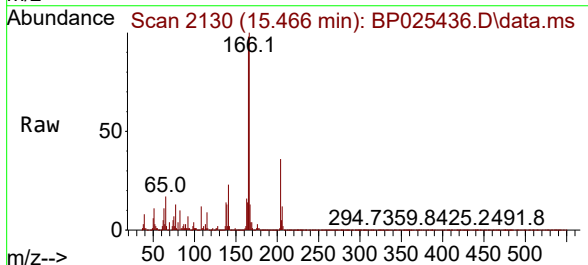
Instrument : BNA_P
 ClientSampleId : SSTDCCC040EC

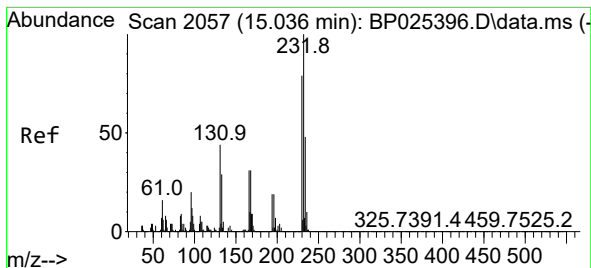
Tgt Ion:	165	Resp:	454531
Ion Ratio	Lower	Upper	
165	100		
63	40.2	31.4	47.2
89	66.7	53.3	79.9
182	2.7	2.3	3.5



#58
 Fluorene
 Concen: 41.160 ng
 RT: 15.466 min Scan# 2130
 Delta R.T. 0.000 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

Tgt Ion:	166	Resp:	1287972
Ion Ratio	Lower	Upper	
166	100		
165	98.2	78.8	118.2
167	13.5	11.0	16.4

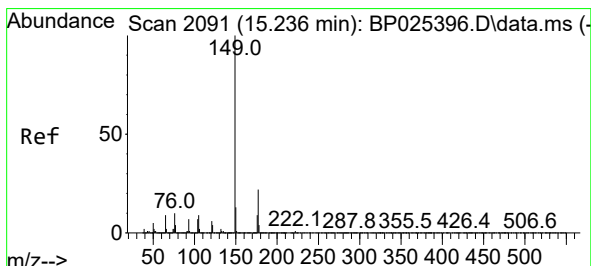
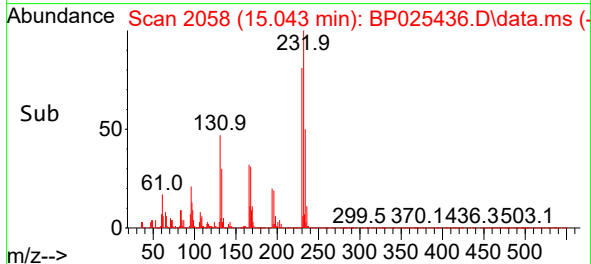
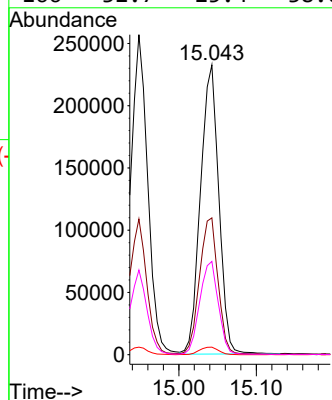
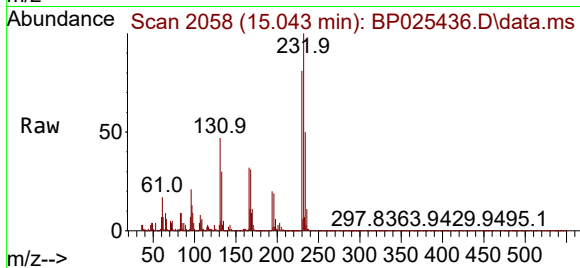




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.201 ng
RT: 15.043 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

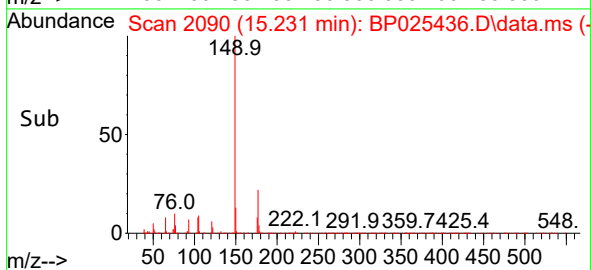
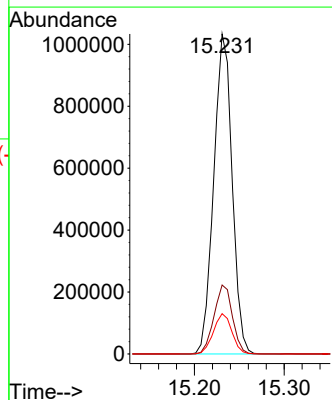
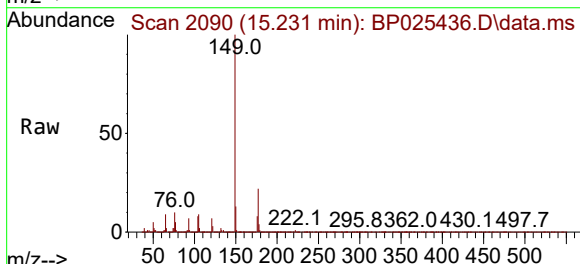
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

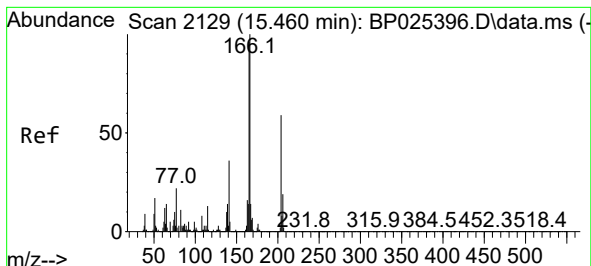
Tgt Ion:	232	Resp:	380952
Ion Ratio	Lower	Upper	
232	100		
131	48.7	37.0	55.6
130	2.7	1.9	2.9
166	32.7	25.4	38.0



#60
Diethylphthalate
Concen: 43.195 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:	149	Resp:	1468089
Ion Ratio	Lower	Upper	
149	100		
177	21.5	17.3	25.9
150	12.6	10.3	15.5

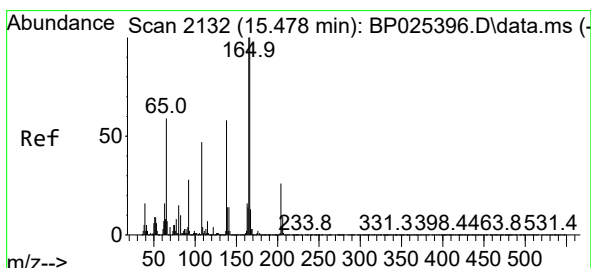
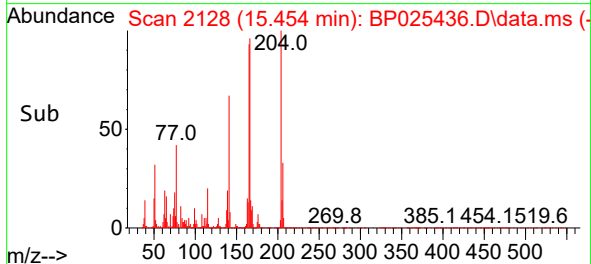
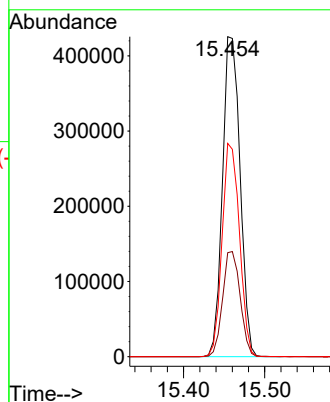
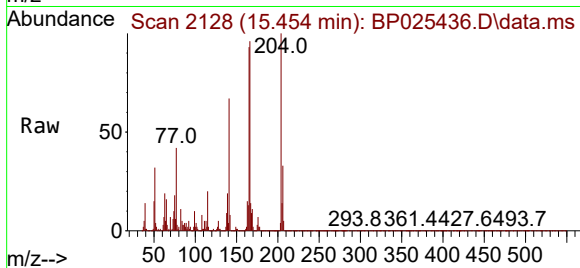




#61
4-Chlorophenyl-phenylether
Concen: 41.240 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

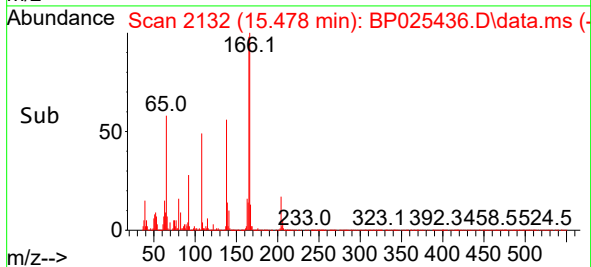
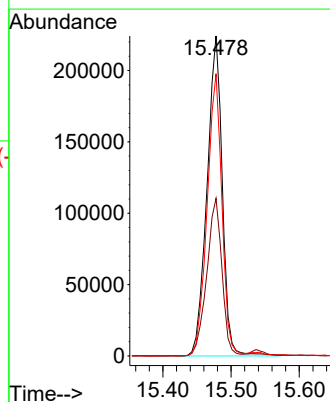
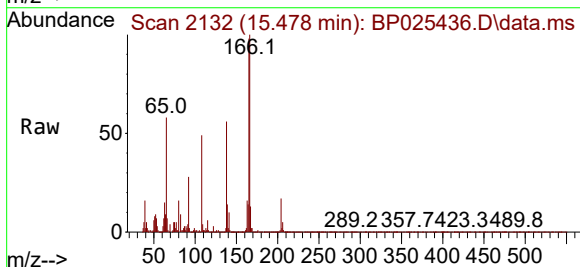
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

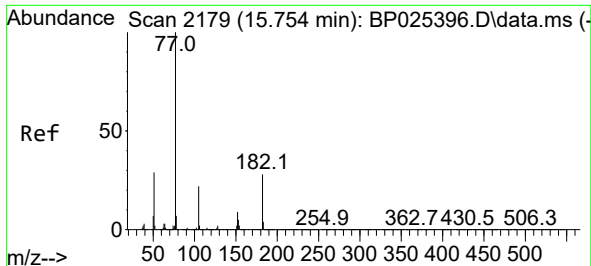
Tgt Ion:204 Resp: 641804
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.8
141 66.7 49.4 74.2



#62
4-Nitroaniline
Concen: 43.130 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:138 Resp: 350711
Ion Ratio Lower Upper
138 100
92 49.3 29.1 69.1
108 88.2 61.5 101.5



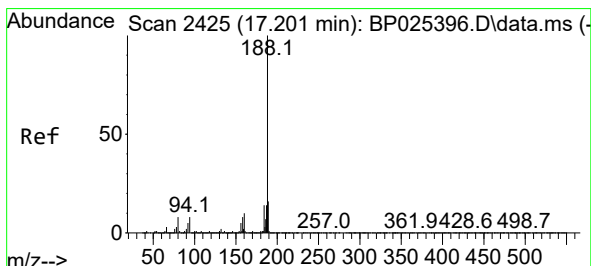
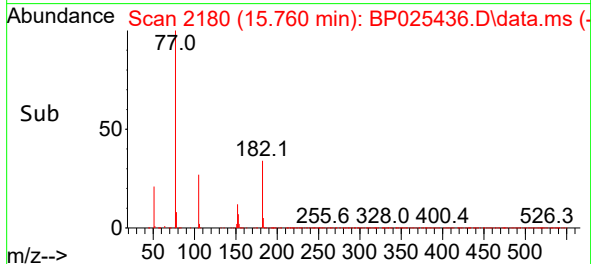
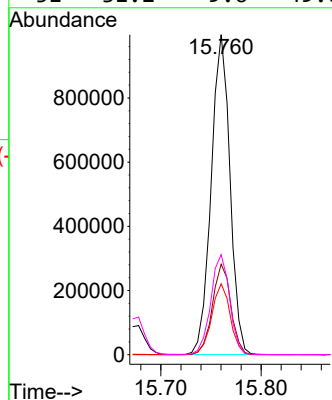
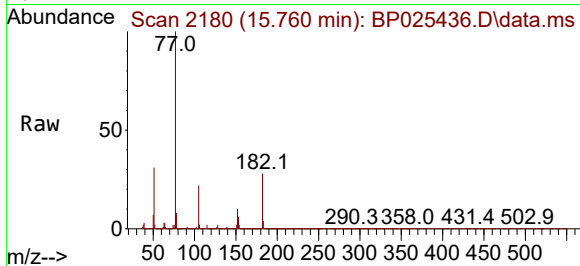


#63
Azobenzene
Concen: 44.580 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1297353

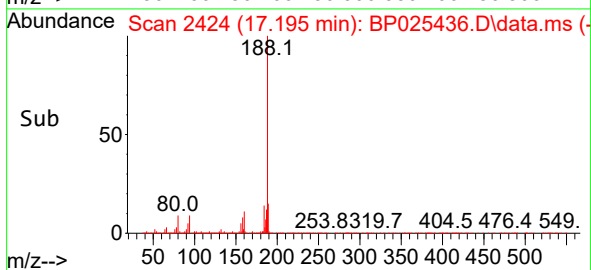
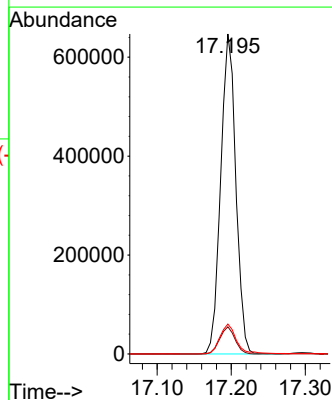
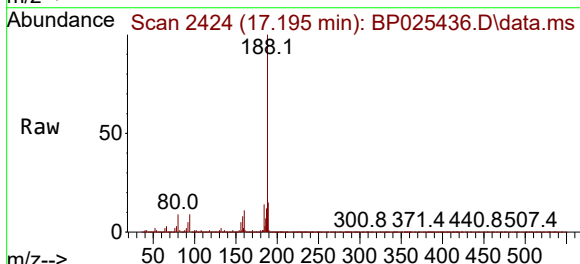
Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	22.1	2.1	42.1
51	31.2	9.6	49.6

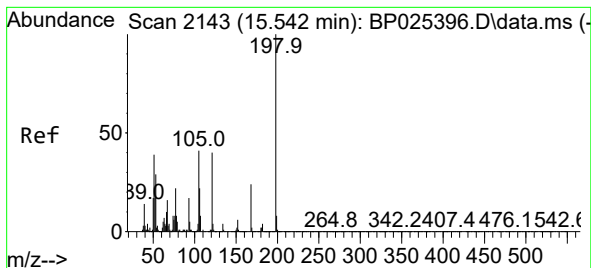


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 188 Resp: 916670

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	6.7	10.1

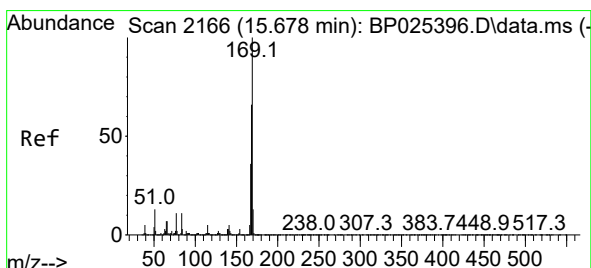
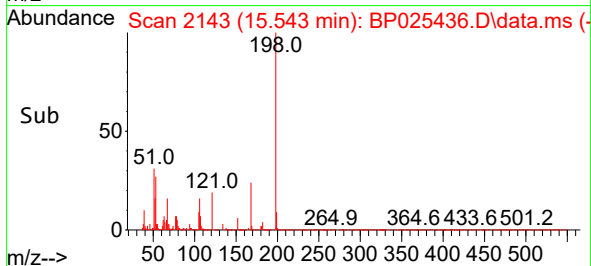
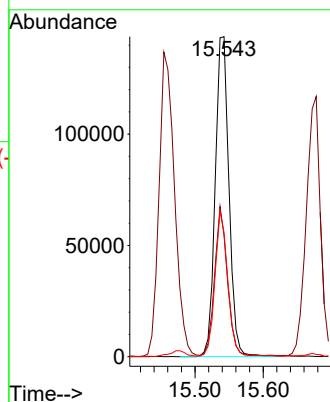
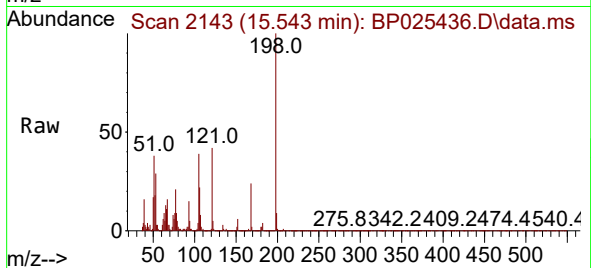




#65
4,6-Dinitro-2-methylphenol
Concen: 35.341 ng
RT: 15.543 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

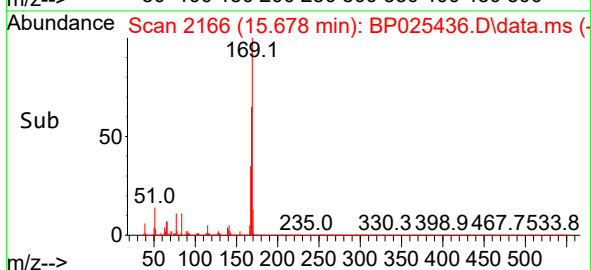
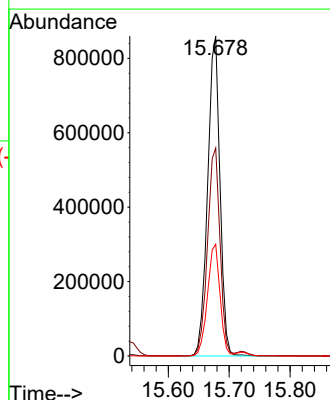
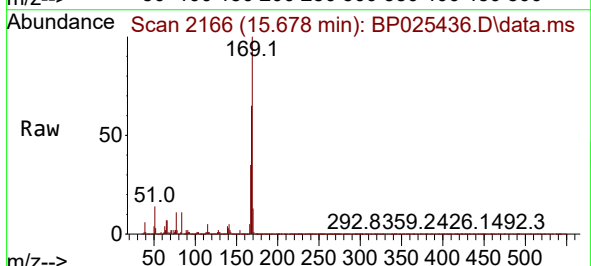
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

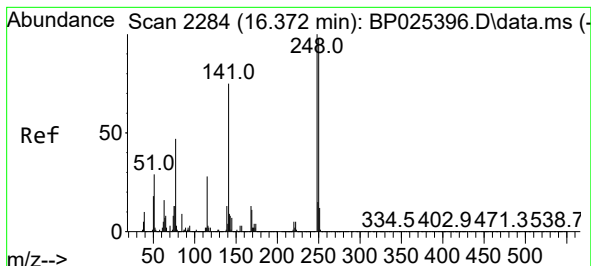
Tgt Ion:198 Resp: 201944
Ion Ratio Lower Upper
198 100
51 37.8 19.6 59.6
105 38.8 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 43.243 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:169 Resp: 1208784
Ion Ratio Lower Upper
169 100
168 65.0 53.2 79.8
167 34.9 28.7 43.1

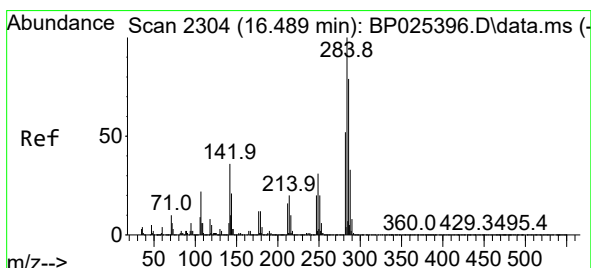
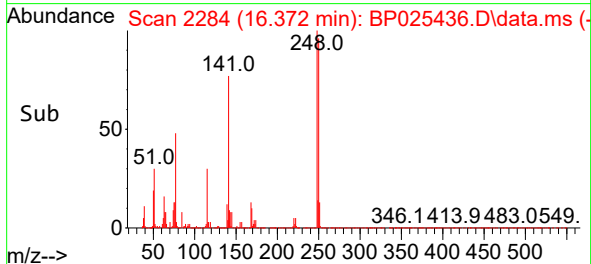
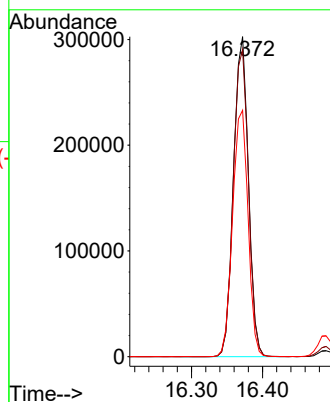
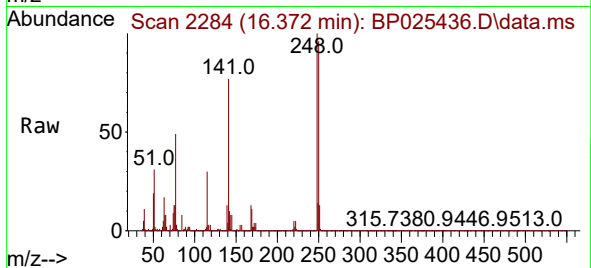




#67
4-Bromophenyl-phenylether
Concen: 43.928 ng
RT: 16.372 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

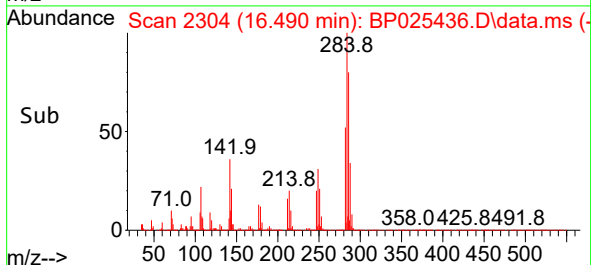
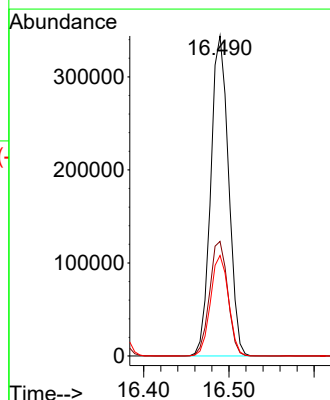
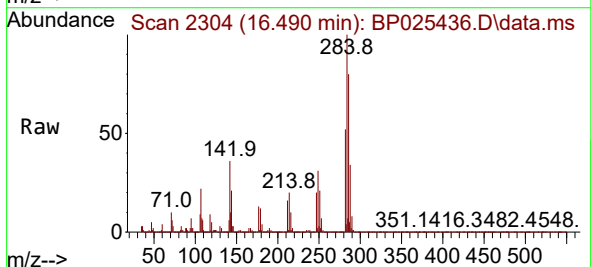
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

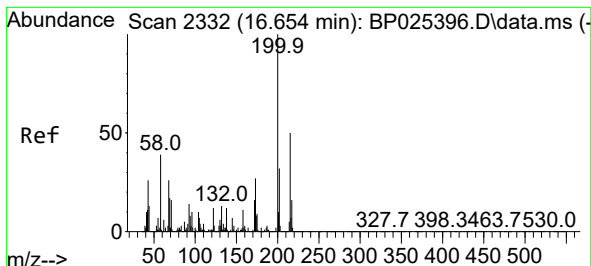
Tgt Ion:248 Resp: 442865
Ion Ratio Lower Upper
248 100
250 96.0 78.2 117.2
141 77.0 59.6 89.4



#68
Hexachlorobenzene
Concen: 42.691 ng
RT: 16.490 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:284 Resp: 498920
Ion Ratio Lower Upper
284 100
142 35.8 29.1 43.7
249 31.4 25.0 37.4





#69

Atrazine

Concen: 43.775 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

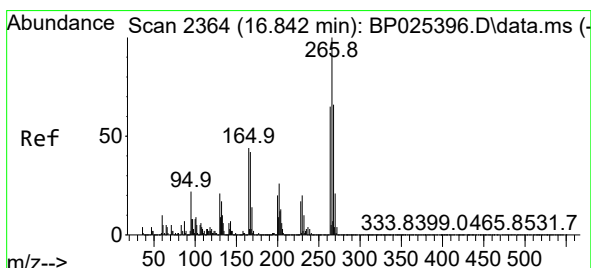
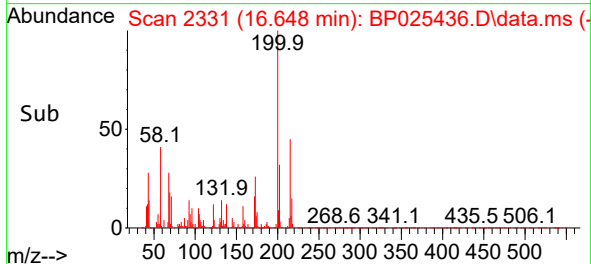
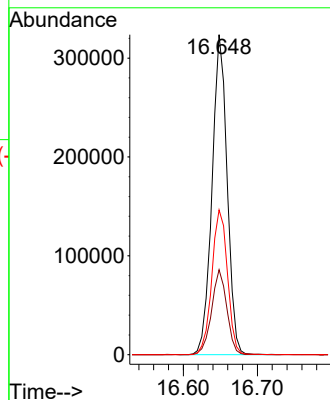
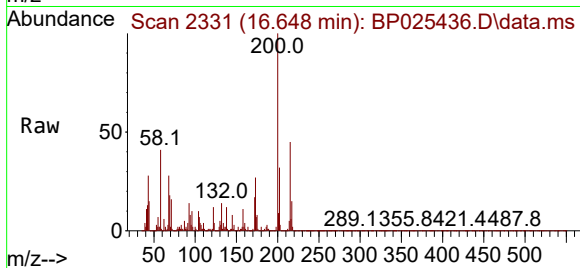
Tgt Ion:200 Resp: 458257

Ion Ratio Lower Upper

200 100

173 26.6 6.7 46.7

215 45.3 29.7 69.7



#70

Pentachlorophenol

Concen: 44.342 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

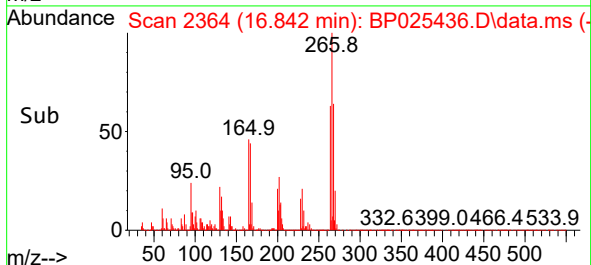
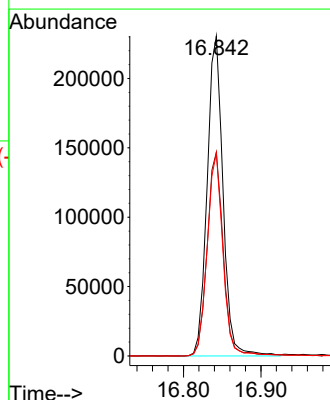
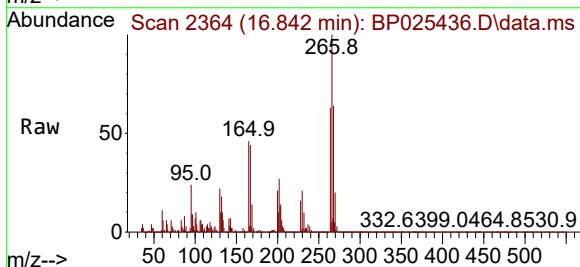
Tgt Ion:266 Resp: 327120

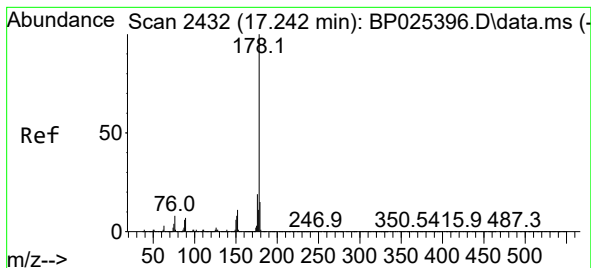
Ion Ratio Lower Upper

266 100

268 63.7 52.6 79.0

264 63.4 52.0 78.0





#71

Phenanthrene

Concen: 42.302 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

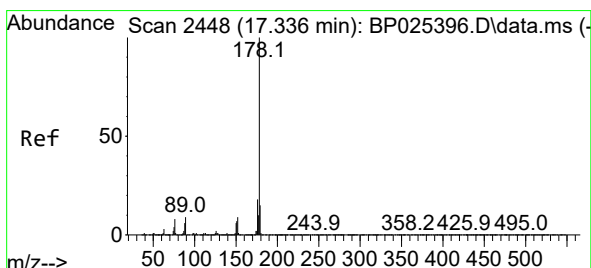
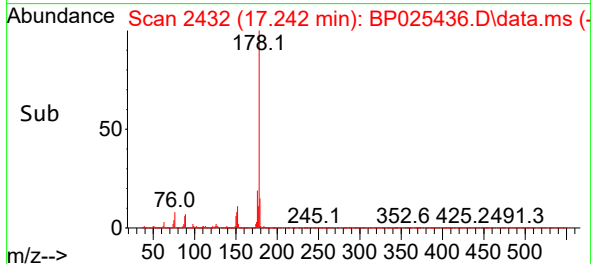
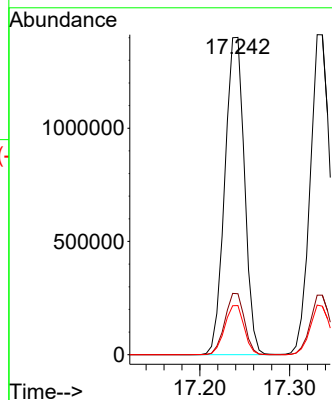
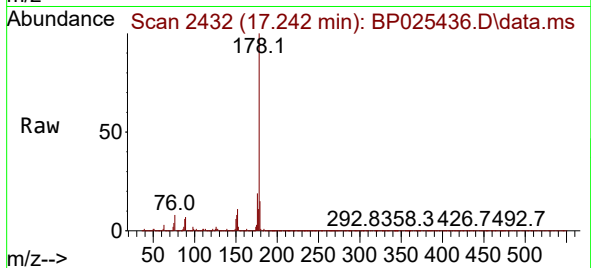
Tgt Ion:178 Resp: 2130157

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.5 12.2 18.4



#72

Anthracene

Concen: 42.872 ng

RT: 17.331 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

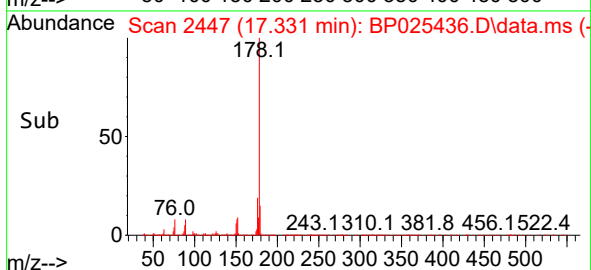
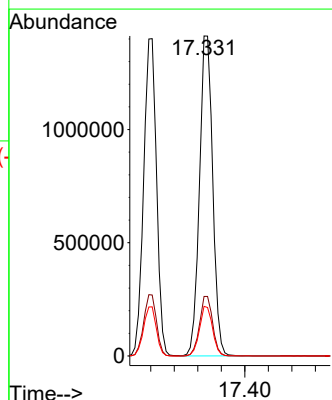
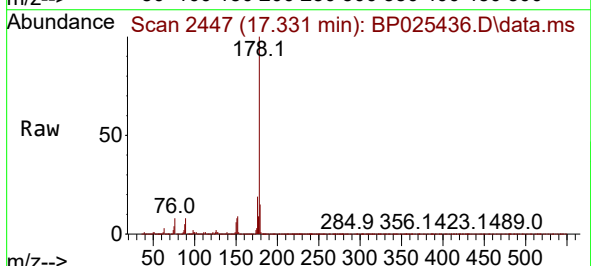
Tgt Ion:178 Resp: 2204625

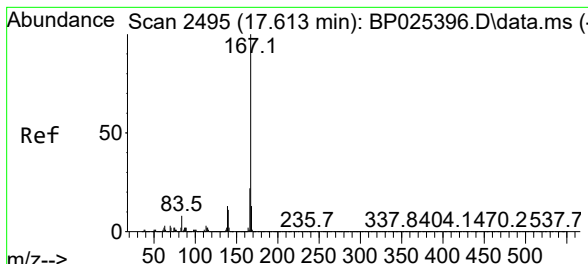
Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.5 12.2 18.2



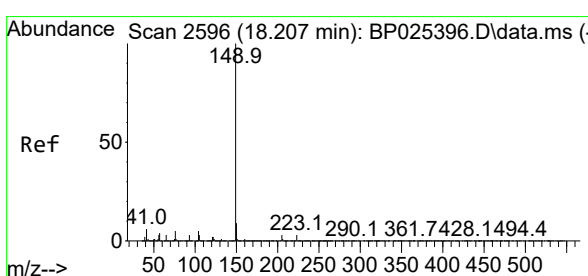
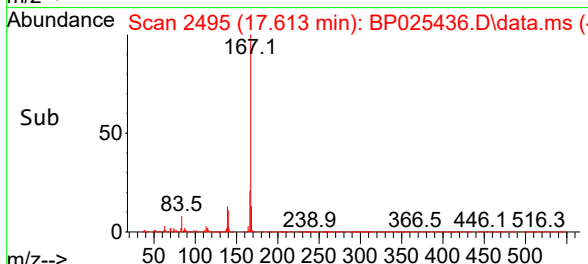
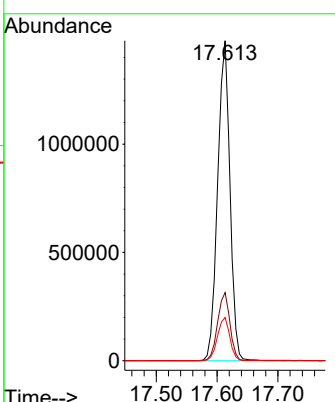
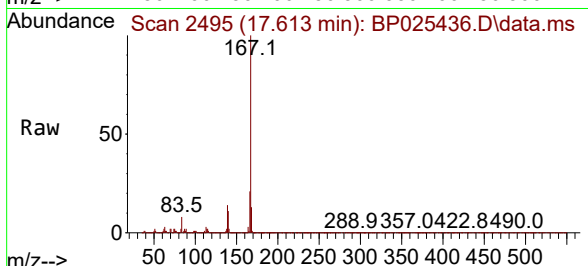


#73
 Carbazole
 Concen: 42.695 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

Instrument : BNA_P
 ClientSampleId : SSTDCCC040EC

Tgt Ion:167 Resp: 2067991

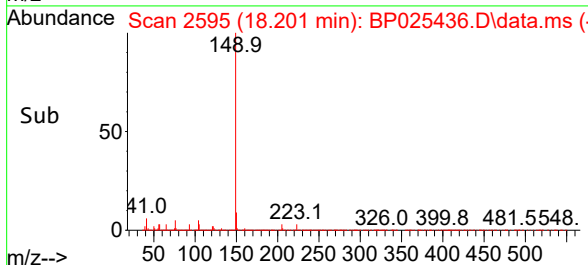
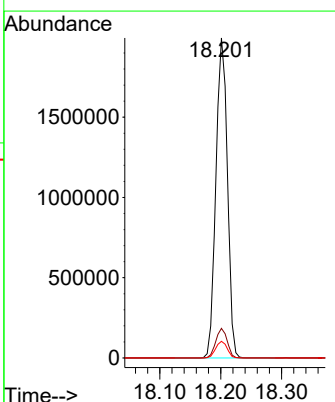
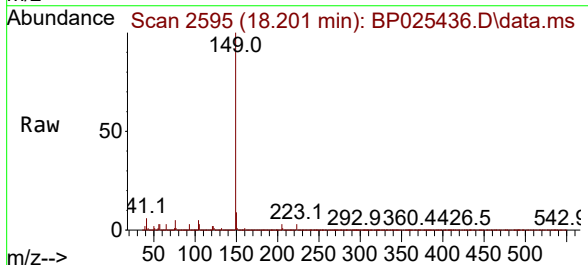
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.5	26.3
139	13.5	10.6	16.0

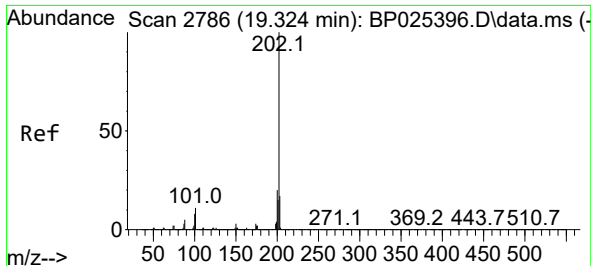


#74
 Di-n-butylphthalate
 Concen: 43.693 ng
 RT: 18.201 min Scan# 2595
 Delta R.T. -0.006 min
 Lab File: BP025436.D
 Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 2603783

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2

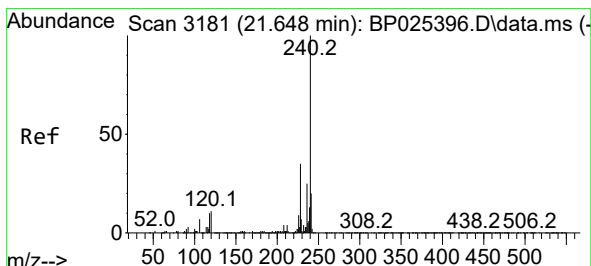
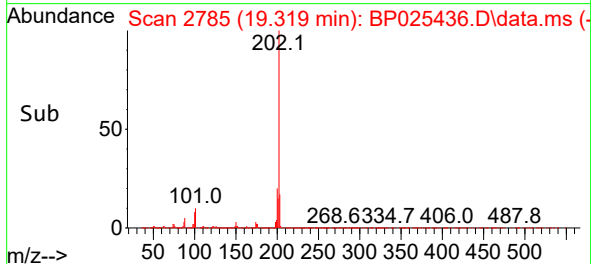
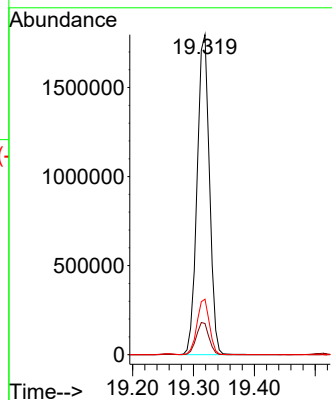
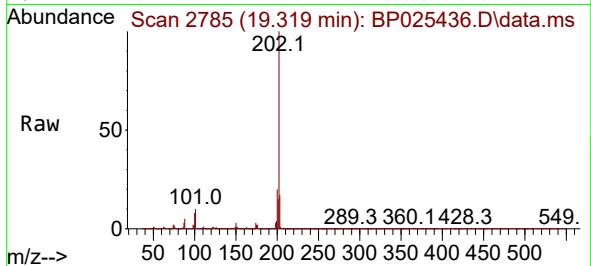




#75
Fluoranthene
Concen: 41.933 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

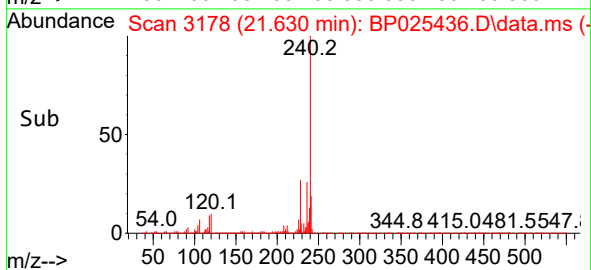
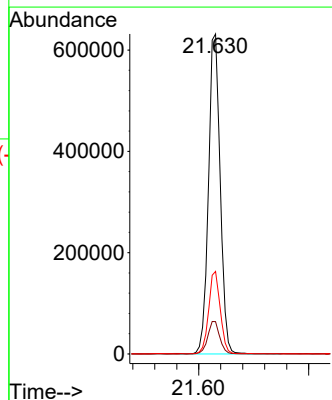
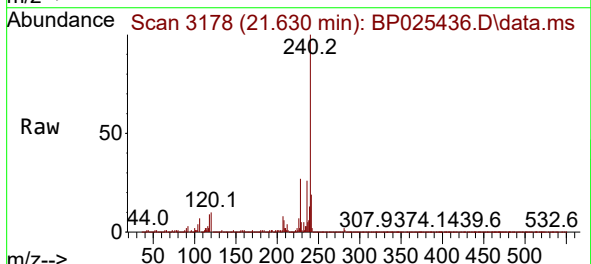
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

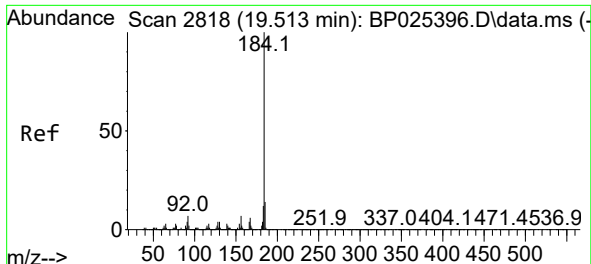
Tgt Ion:202 Resp: 2518758
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.1
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:240 Resp: 933454
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.8 19.8 29.8

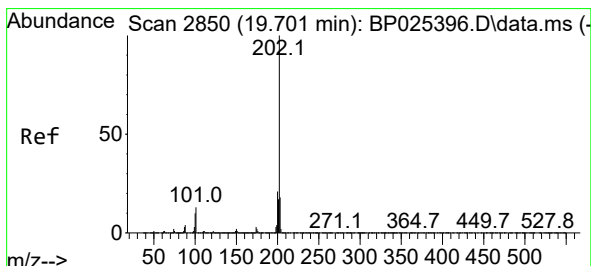
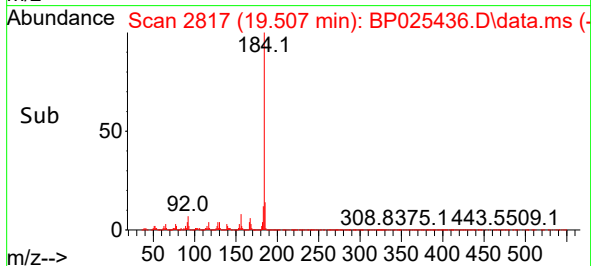
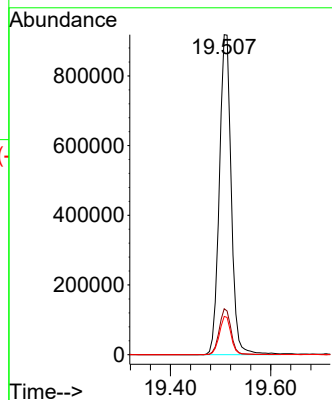
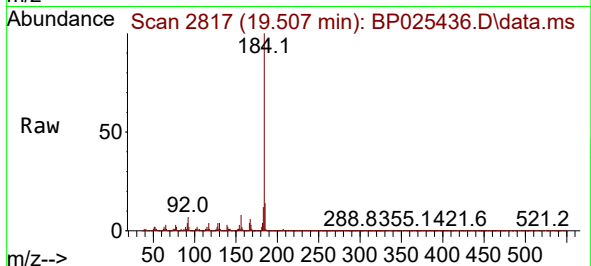




#77
Benzidine
Concen: 47.349 ng
RT: 19.507 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

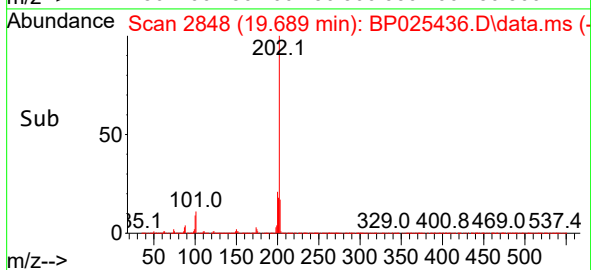
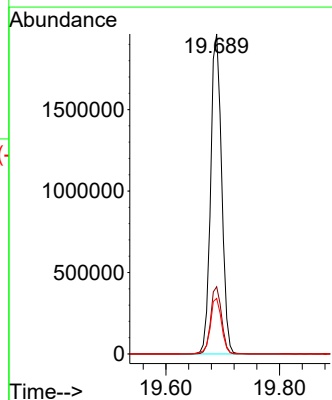
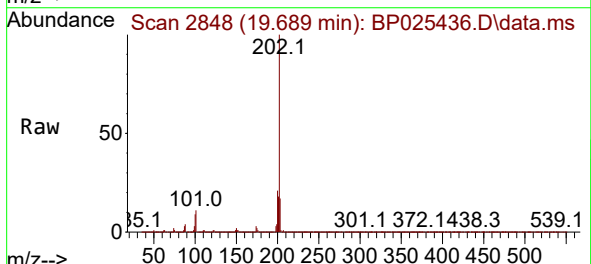
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

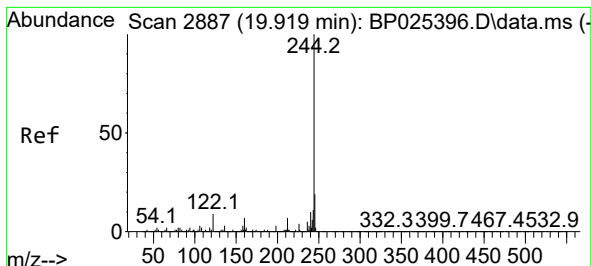
Tgt Ion:184 Resp: 1508404
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 12.0 9.4 14.2



#78
Pyrene
Concen: 43.183 ng
RT: 19.689 min Scan# 2848
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:202 Resp: 2619981
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 85.603 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

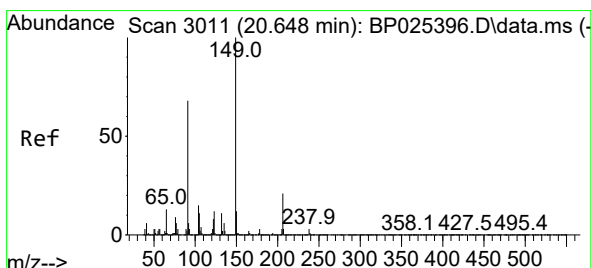
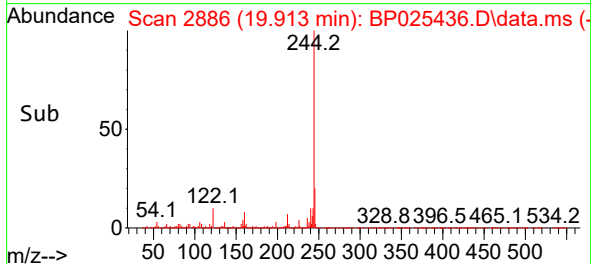
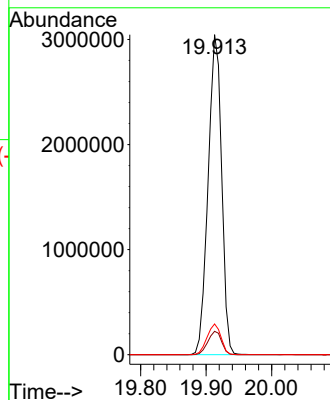
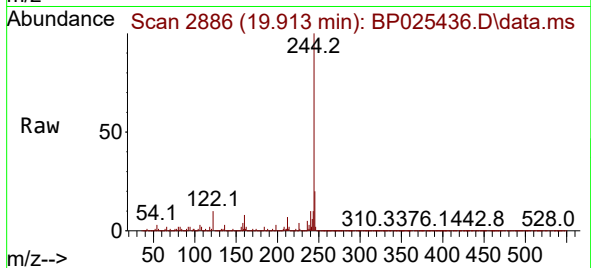
Tgt Ion:244 Resp: 4367516

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.6 7.4 11.2



#80

Butylbenzylphthalate

Concen: 45.693 ng

RT: 20.642 min Scan# 3010

Delta R.T. -0.006 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

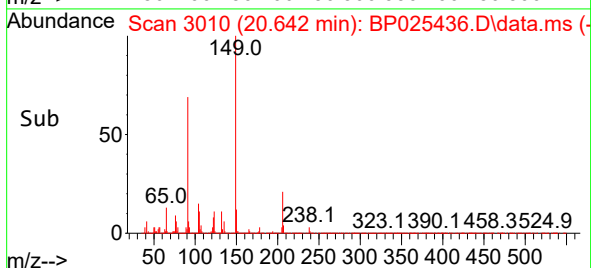
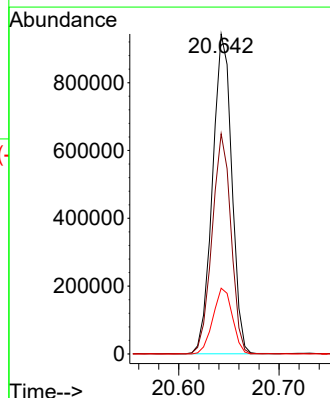
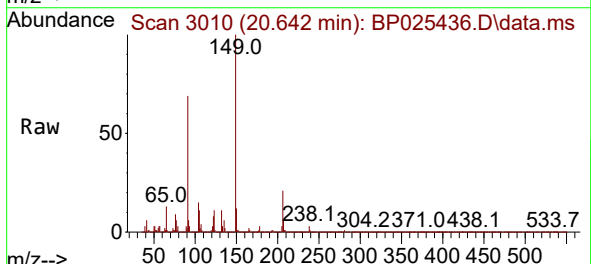
Tgt Ion:149 Resp: 1256440

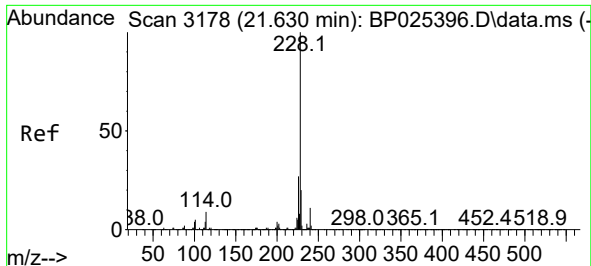
Ion Ratio Lower Upper

149 100

91 68.8 54.2 81.2

206 20.6 16.6 24.8

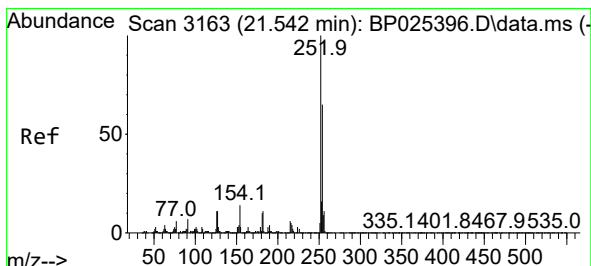
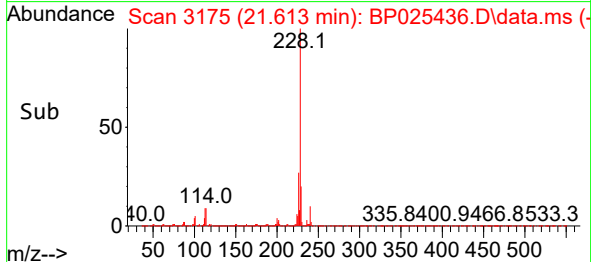
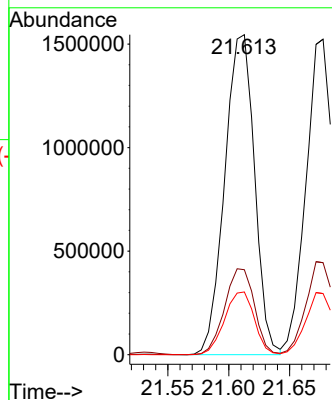
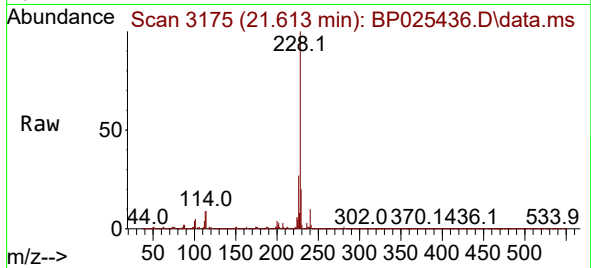




#81
Benzo(a)anthracene
Concen: 42.665 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

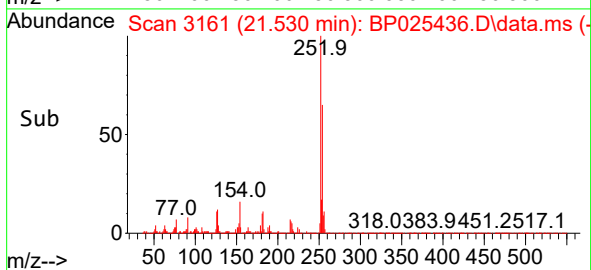
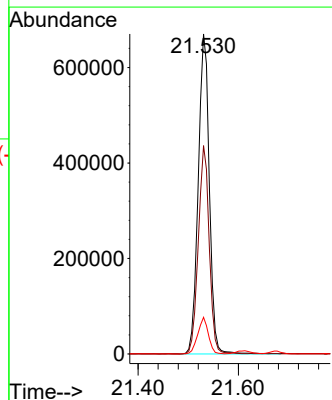
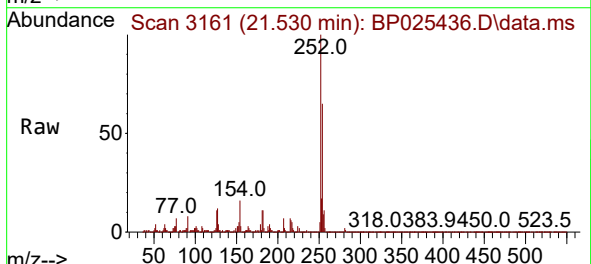
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

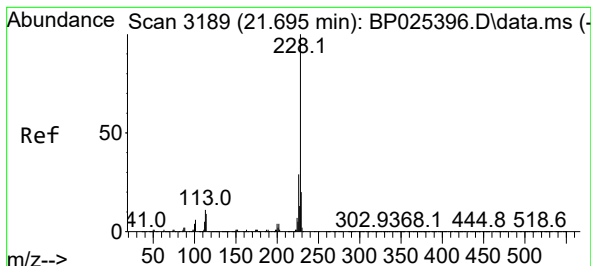
Tgt Ion:228 Resp: 2626516
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.6 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 44.224 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 1026166
Ion Ratio Lower Upper
252 100
254 65.1 51.8 77.6
126 11.5 9.1 13.7





#83

Chrysene

Concen: 42.767 ng

RT: 21.677 min Scan# 3189

Delta R.T. -0.017 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

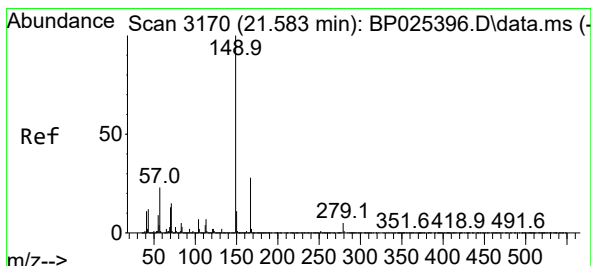
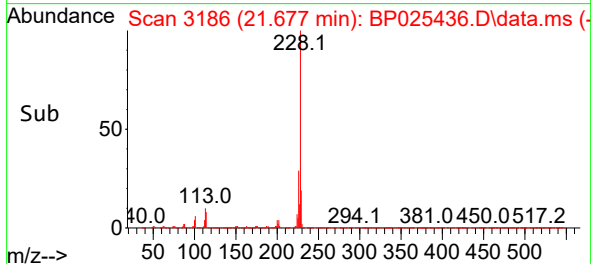
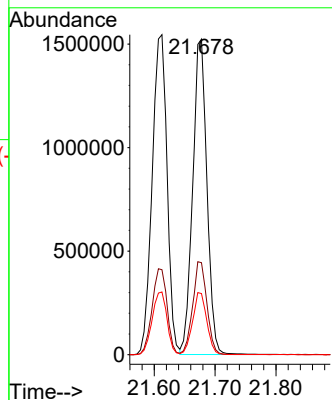
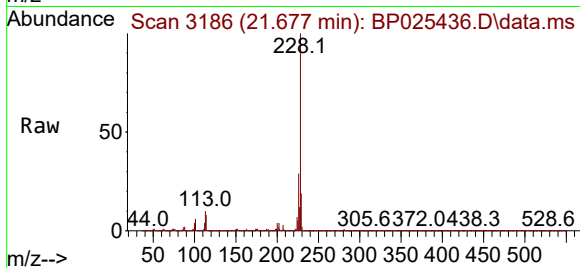
Tgt Ion:228 Resp: 2465631

Ion Ratio Lower Upper

228 100

226 29.1 23.2 34.8

229 19.4 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.485 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.023 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

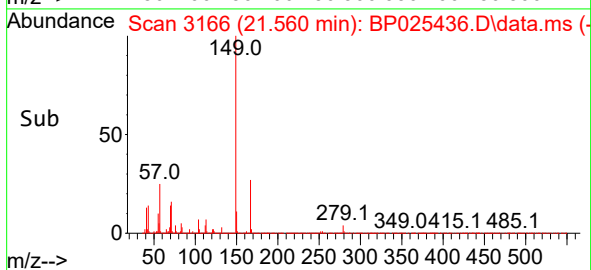
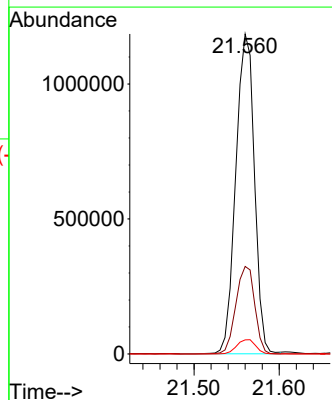
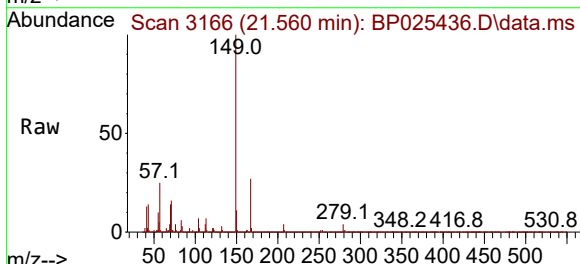
Tgt Ion:149 Resp: 1800639

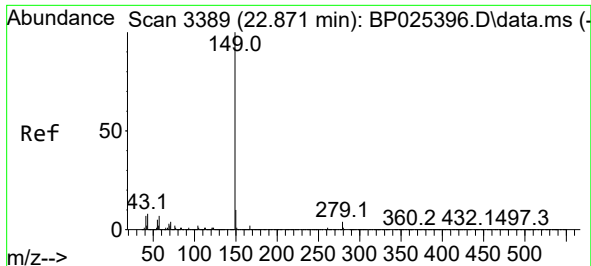
Ion Ratio Lower Upper

149 100

167 27.4 22.1 33.1

279 4.4 3.8 5.6

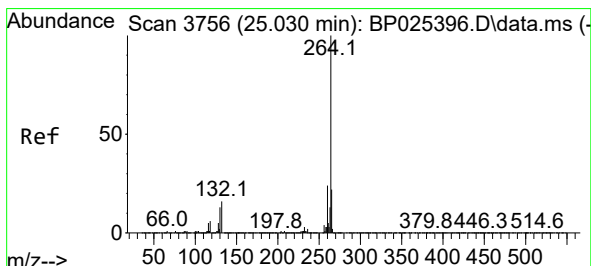
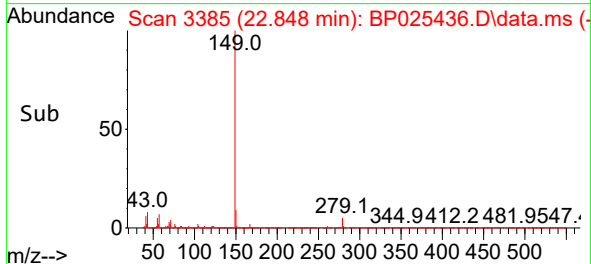
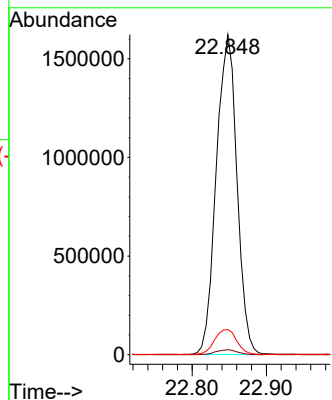
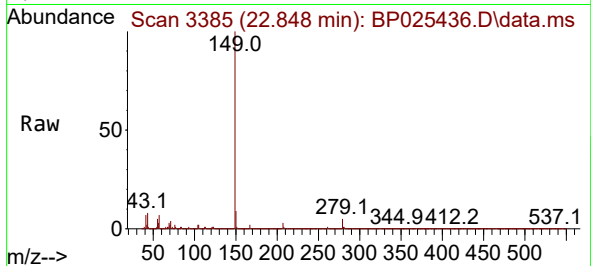




#85
Di-n-octyl phthalate
Concen: 45.079 ng
RT: 22.848 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

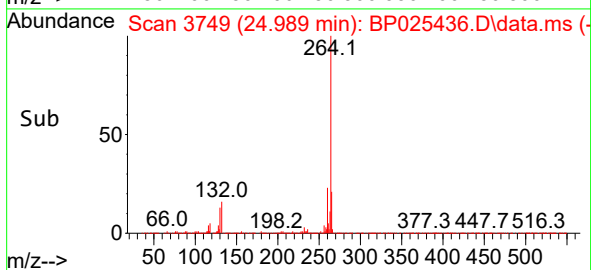
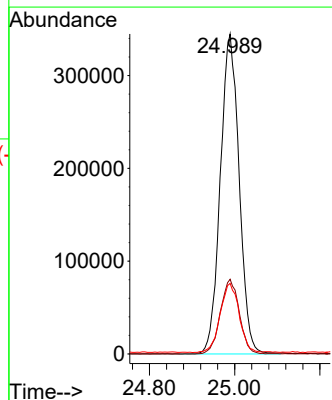
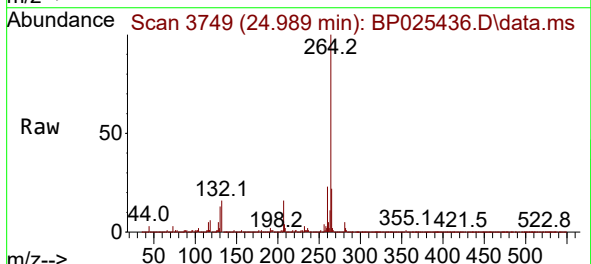
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BNA_P
ClientSampleId :
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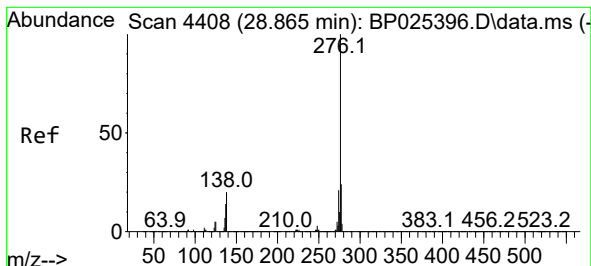
Tgt Ion:149 Resp: 3138516
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.3 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:264 Resp: 1056853
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 22.1 17.4 26.0

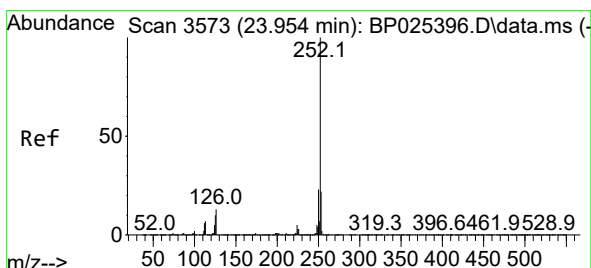
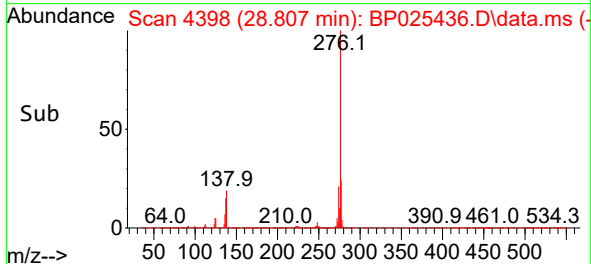
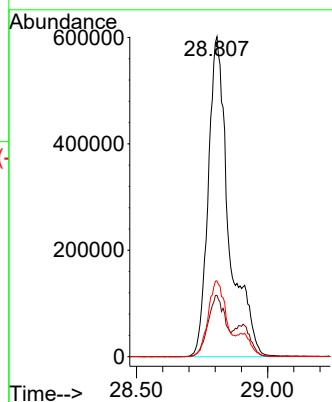
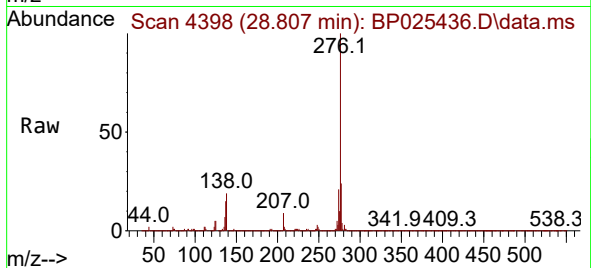




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.530 ng
RT: 28.807 min Scan# 41
Delta R.T. -0.059 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

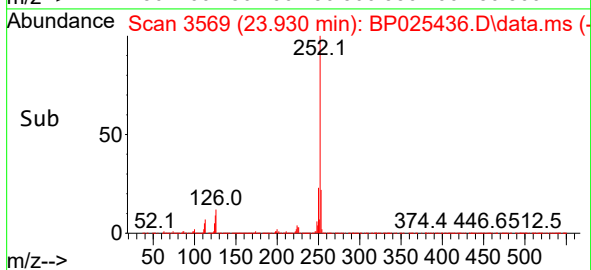
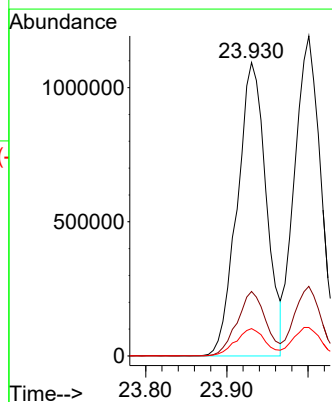
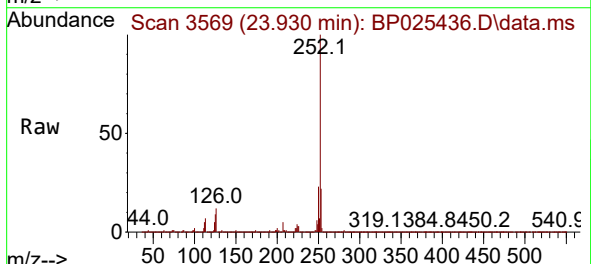
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BNA_P
ClientSampleId :
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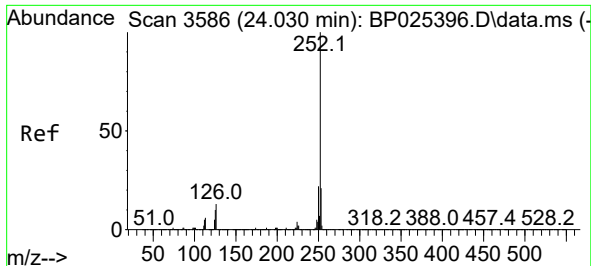
Tgt Ion:276 Resp: 3296276
Ion Ratio Lower Upper
276 100
138 16.0 12.9 19.3
277 20.8 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 43.518 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 2712012
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 9.3 7.9 11.9

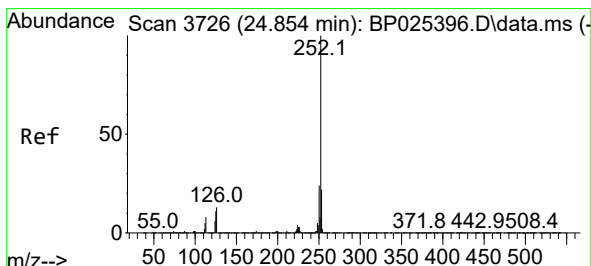
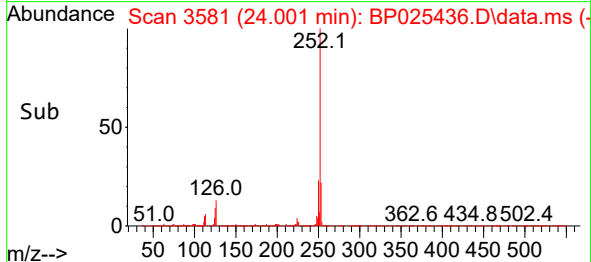
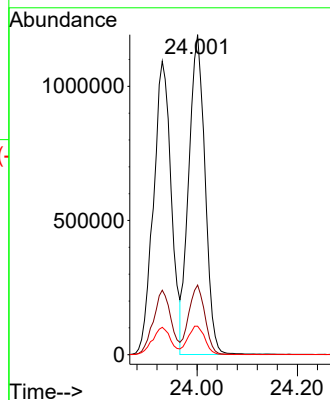
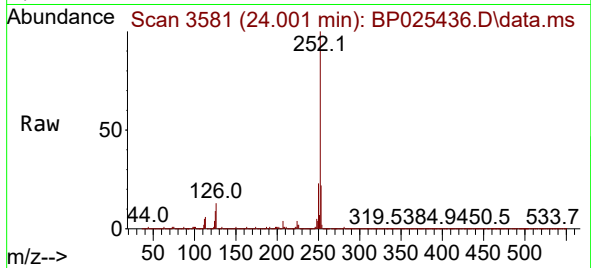




#89
Benzo(k)fluoranthene
Concen: 42.878 ng
RT: 24.001 min Scan# 3586
Delta R.T. -0.029 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

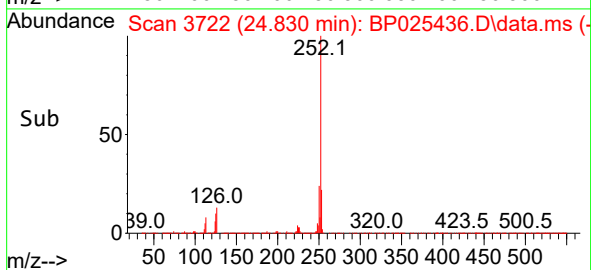
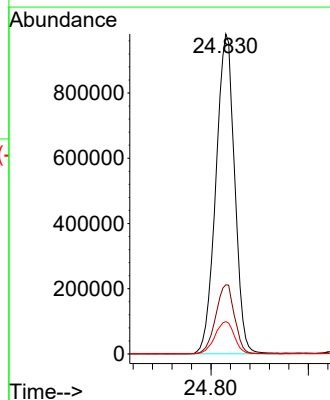
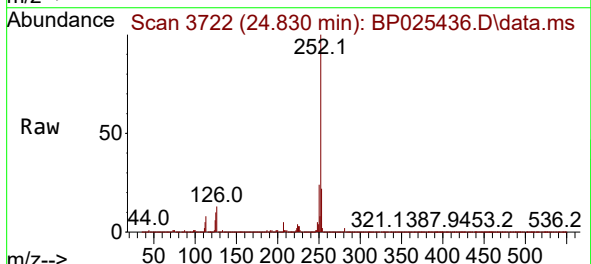
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ClientSampleId :
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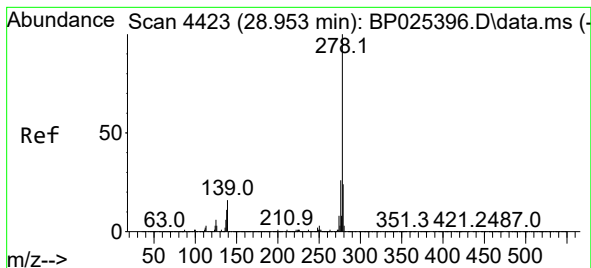
Tgt Ion:252 Resp: 2673968
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 8.9 7.8 11.6



#90
Benzo(a)pyrene
Concen: 43.232 ng
RT: 24.830 min Scan# 3722
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 2622614
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.1 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 42.888 ng

RT: 28.912 min Scan# 4416

Delta R.T. -0.041 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

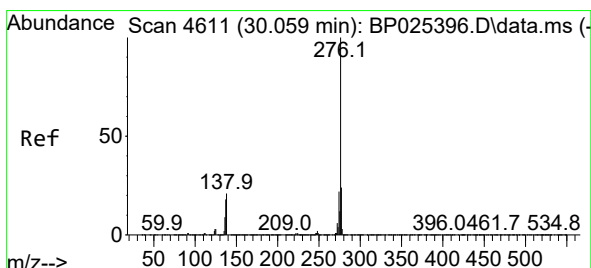
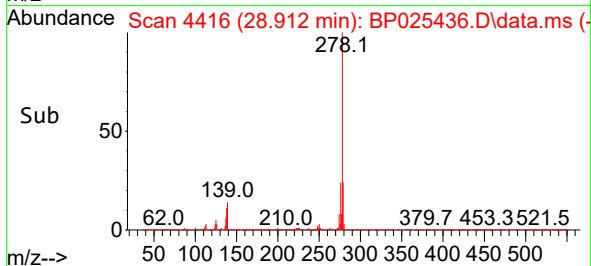
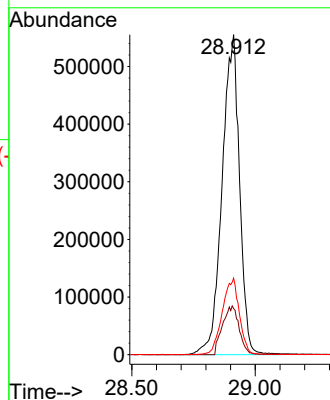
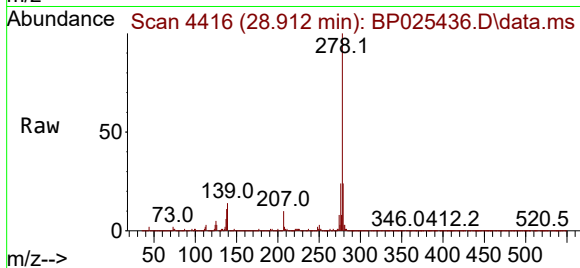
Tgt Ion:278 Resp: 2716441

Ion Ratio Lower Upper

278 100

139 14.4 13.0 19.4

279 23.9 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 42.750 ng

RT: 30.006 min Scan# 4602

Delta R.T. -0.053 min

Lab File: BP025436.D

Acq: 15 Aug 2025 21:03

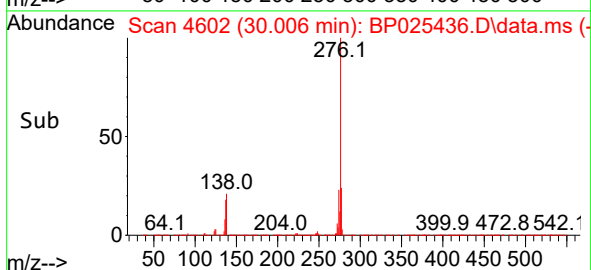
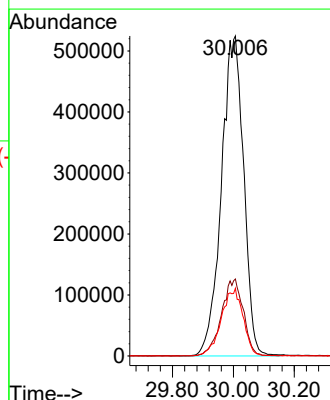
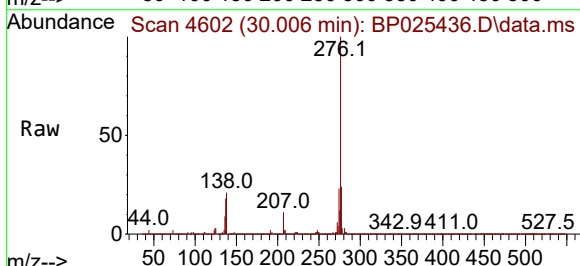
Tgt Ion:276 Resp: 2661609

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 21.2 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025472.D
 Acq On : 19 Aug 2025 12:06
 Operator : CG/JU
 Sample : PB169244BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169244BS

Quant Time: Aug 19 12:52:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	161110	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	644957	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	415960	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	862003	20.000	ng	#-0.01
76) Chrysene-d12	21.642	240	910554	20.000	ng	0.00
86) Perylene-d12	25.001	264	1045081	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1337580	137.876	ng	0.00
7) Phenol-d6	6.972	99	1688269	135.735	ng	0.00
23) Nitrobenzene-d5	8.931	82	1050881	82.423	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	775299	138.474	ng	-0.01
45) 2-Fluorobiphenyl	13.013	172	2467804	81.083	ng	0.00
79) Terphenyl-d14	19.907	244	4077204	81.923	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	142275	37.441	ng	99
3) Pyridine	3.725	79	398620	38.325	ng	95
4) n-Nitrosodimethylamine	3.631	42	201784	47.058	ng	96
6) Aniline	7.119	93	625971	37.353	ng	99
8) 2-Chlorophenol	7.366	128	524831	47.941	ng	99
9) Benzaldehyde	6.937	77	239040	27.431	ng	98
10) Phenol	6.996	94	628743	48.175	ng	99
11) bis(2-Chloroethyl)ether	7.213	93	455153	44.744	ng	99
12) 1,3-Dichlorobenzene	7.684	146	543382	45.014	ng	99
13) 1,4-Dichlorobenzene	7.825	146	553701	44.876	ng	100
14) 1,2-Dichlorobenzene	8.137	146	534380	44.742	ng	97
15) Benzyl Alcohol	8.025	79	444471	44.974	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.307	45	615310	45.153	ng	98
17) 2-Methylphenol	8.225	107	424929	46.879	ng	98
18) Hexachloroethane	8.860	117	205091	45.209	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	347018	42.121	ng	97
20) 3+4-Methylphenols	8.549	107	585226	46.577	ng	98
22) Acetophenone	8.601	105	735041	45.445	ng	# 99
24) Nitrobenzene	8.972	77	531108	46.610	ng	100
25) Isophorone	9.496	82	993893	44.048	ng	99
26) 2-Nitrophenol	9.672	139	273836	46.827	ng	96
27) 2,4-Dimethylphenol	9.737	122	479387	47.669	ng	98
28) bis(2-Chloroethoxy)met...	9.972	93	613611	44.988	ng	99
29) 2,4-Dichlorophenol	10.213	162	491610	49.210	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	495197	45.218	ng	99
31) Naphthalene	10.607	128	1534568	45.778	ng	99
32) Benzoic acid	9.890	122	357076	48.094	ng	98
33) 4-Chloroaniline	10.707	127	389745	26.321	ng	99
34) Hexachlorobutadiene	10.896	225	306039	44.872	ng	99
35) Caprolactam	11.495	113	173914	47.476	ng	98
36) 4-Chloro-3-methylphenol	11.837	107	555661	48.473	ng	99
37) 2-Methylnaphthalene	12.213	142	992936	45.516	ng	100
38) 1-Methylnaphthalene	12.437	142	1029457	44.374	ng	98
40) 1,2,4,5-Tetrachloroben...	12.584	216	553975	46.113	ng	99
41) Hexachlorocyclopentadiene	12.566	237	670283	92.369	ng	98
43) 2,4,6-Trichlorophenol	12.825	196	408898	50.417	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025472.D
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 Operator : CG/JU
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 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169244BS

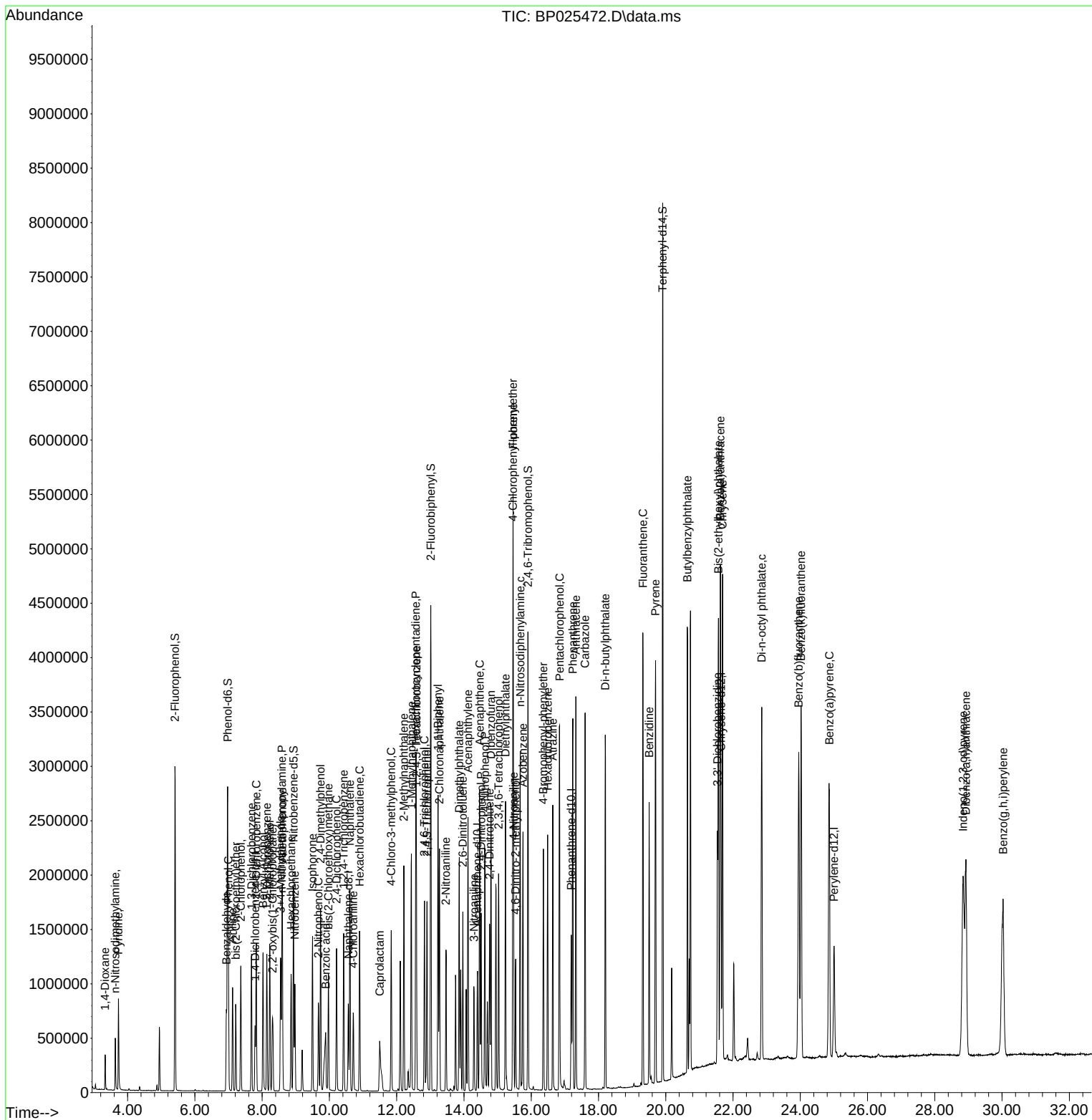
Quant Time: Aug 19 12:52:39 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

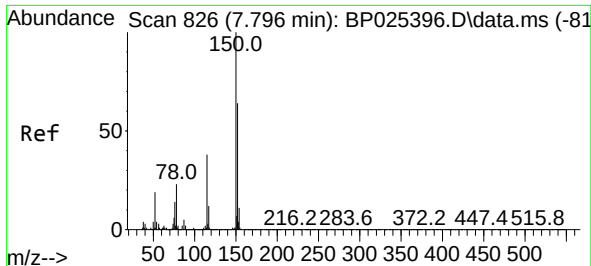
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	452804	50.941	ng	98
46) 1,1'-Biphenyl	13.231	154	1412174	46.746	ng	99
47) 2-Chloronaphthalene	13.272	162	1094908	46.557	ng	100
48) 2-Nitroaniline	13.466	65	353391	51.571	ng	98
49) Acenaphthylene	14.119	152	1874575	48.171	ng	99
50) Dimethylphthalate	13.860	163	1476660	48.478	ng	100
51) 2,6-Dinitrotoluene	13.966	165	320426	49.910	ng	97
52) Acenaphthene	14.466	154	1076858	47.143	ng	99
53) 3-Nitroaniline	14.295	138	254955	35.296	ng	96
54) 2,4-Dinitrophenol	14.513	184	397607	115.970	ng	98
55) Dibenzofuran	14.801	168	1703170	47.161	ng	100
56) 4-Nitrophenol	14.625	139	605113	101.946	ng	99
57) 2,4-Dinitrotoluene	14.760	165	473816	51.727	ng	97
58) Fluorene	15.460	166	1322243	46.400	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	396757	50.551	ng	99
60) Diethylphthalate	15.236	149	1517718	49.036	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	661344	46.664	ng	97
62) 4-Nitroaniline	15.478	138	353899	47.791	ng	99
63) Azobenzene	15.754	77	1322217	49.891	ng	99
65) 4,6-Dinitro-2-methylph...	15.536	198	272964	50.800	ng	99
66) n-Nitrosodiphenylamine	15.672	169	1246458	47.419	ng	99
67) 4-Bromophenyl-phenylether	16.360	248	451437	47.618	ng	95
68) Hexachlorobenzene	16.489	284	512163	46.604	ng	97
69) Atrazine	16.642	200	470922	47.838	ng	98
70) Pentachlorophenol	16.842	266	687032	99.034	ng	97
71) Phenanthrene	17.236	178	2253291	47.585	ng	99
72) Anthracene	17.330	178	2284335	47.239	ng	99
73) Carbazole	17.601	167	2155496	47.324	ng	99
74) Di-n-butylphthalate	18.201	149	2713180	48.416	ng	100
75) Fluoranthene	19.319	202	2675123	47.361	ng	99
77) Benzidine	19.507	184	1413258	45.479	ng	100
78) Pyrene	19.695	202	2762164	46.671	ng	99
80) Butylbenzylphthalate	20.642	149	1298221	48.400	ng	99
81) Benzo(a)anthracene	21.624	228	2834413	47.200	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	727758	32.152	ng	99
83) Chrysene	21.689	228	2644963	47.032	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	1936416	49.043	ng	99
85) Di-n-octyl phthalate	22.854	149	3437312	50.612	ng	99
87) Indeno(1,2,3-cd)pyrene	28.842	276	3500214	45.670	ng	98
88) Benzo(b)fluoranthene	23.954	252	2979641	48.351	ng	99
89) Benzo(k)fluoranthene	24.024	252	2940688	47.686	ng	99
90) Benzo(a)pyrene	24.865	252	2836165	47.279	ng	100
91) Dibenzo(a,h)anthracene	28.924	278	2878994	45.967	ng	99
92) Benzo(g,h,i)perylene	30.030	276	2809647	45.636	ng	99

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

Instrument :
BNA_P
ClientSampleId :
PB169244BS

Quant Time: Aug 19 12:52:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

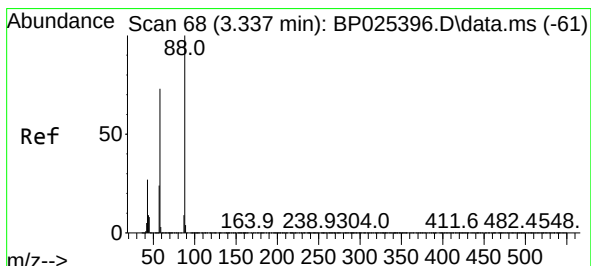
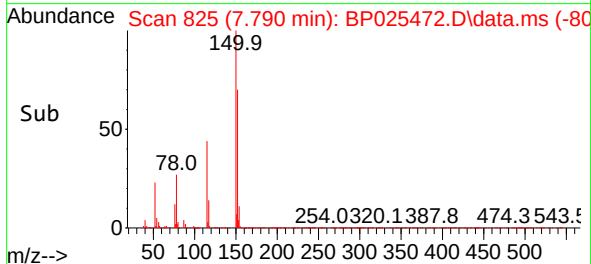
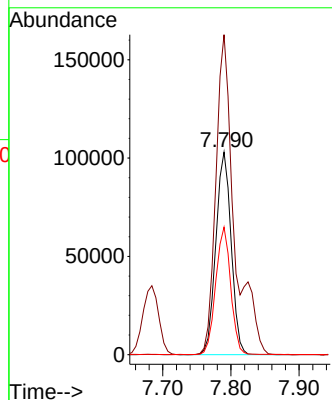
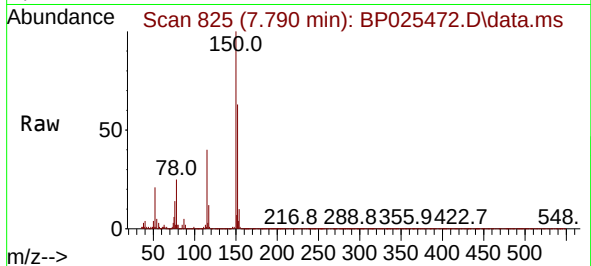




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

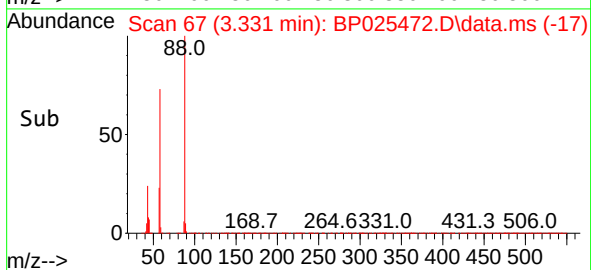
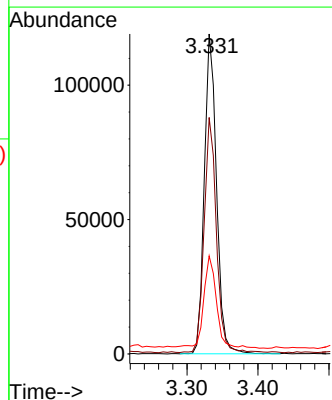
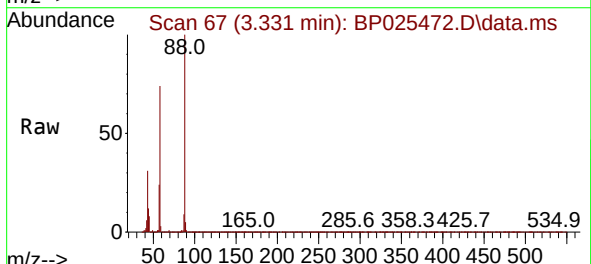
Instrument :
BNA_P
ClientSampleId :
PB169244BS

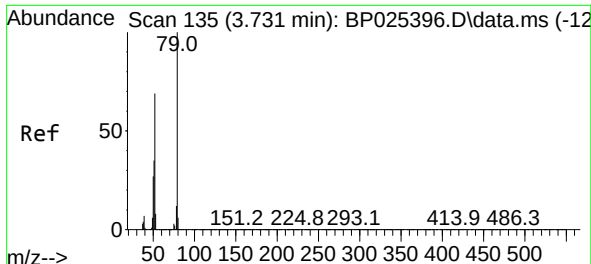
Tgt Ion:152 Resp: 161110
Ion Ratio Lower Upper
152 100
150 157.9 125.9 188.9
115 62.9 48.5 72.7



#2
1,4-Dioxane
Concen: 37.441 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion: 88 Resp: 142275
Ion Ratio Lower Upper
88 100
58 74.1 59.2 88.8
43 28.2 21.7 32.5

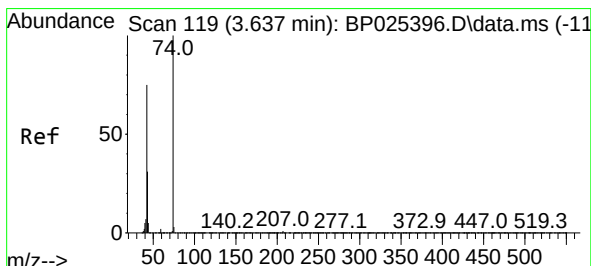
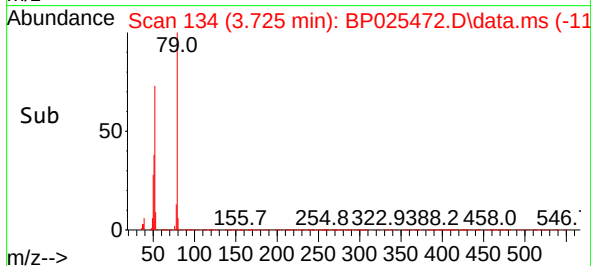
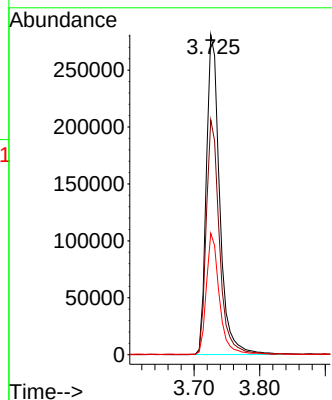
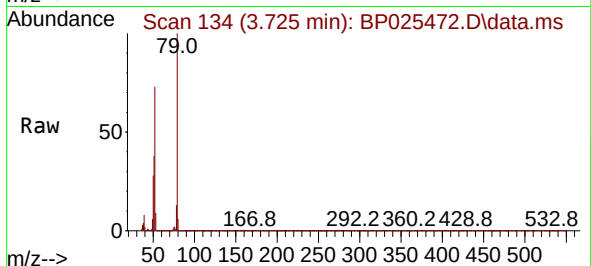




#3
Pyridine
Concen: 38.325 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

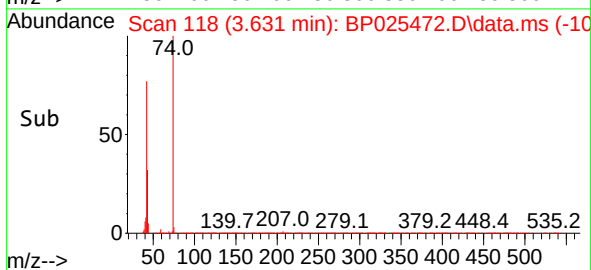
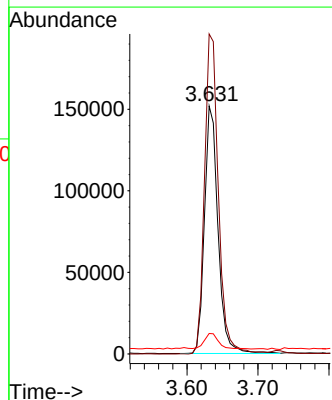
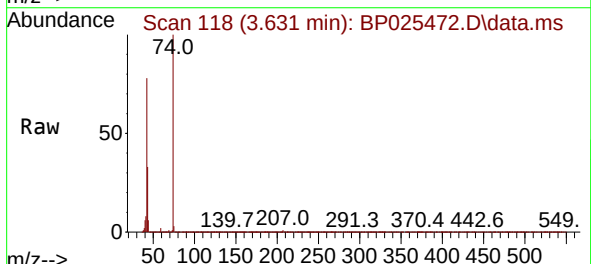
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BNA_P
ClientSampleId :
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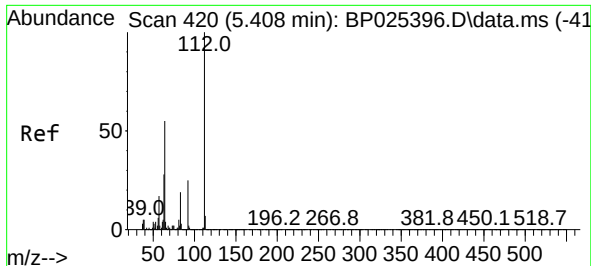
Tgt Ion: 79 Resp: 398620
Ion Ratio Lower Upper
79 100
52 73.4 55.5 83.3
51 37.9 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 47.058 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion: 42 Resp: 201784
Ion Ratio Lower Upper
42 100
74 129.0 107.0 160.4
44 8.2 6.2 9.4

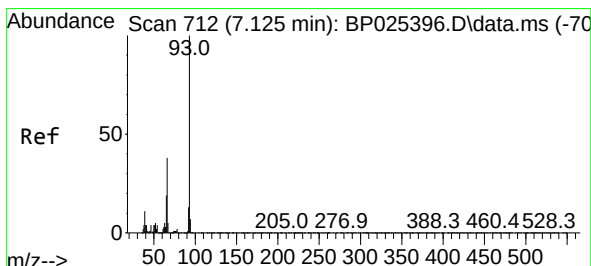
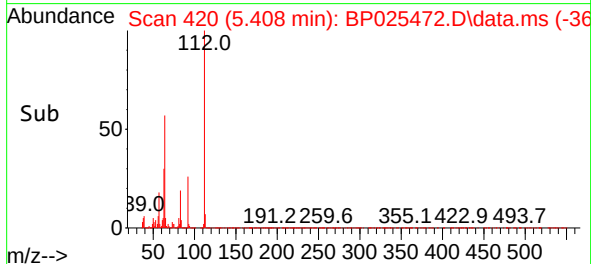
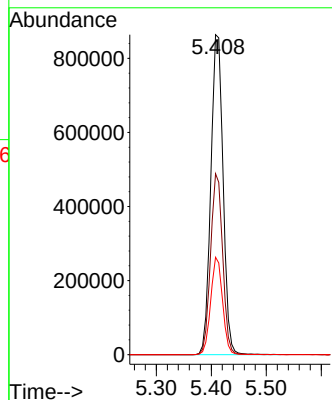
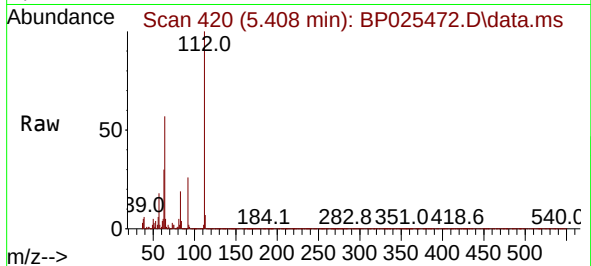




#5
2-Fluorophenol
Concen: 137.876 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

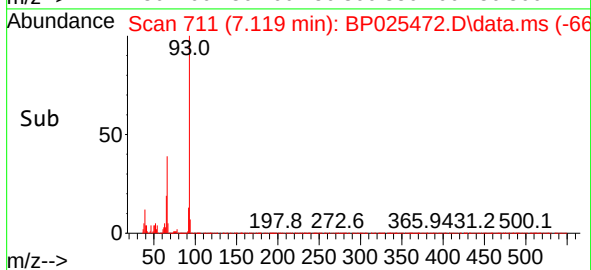
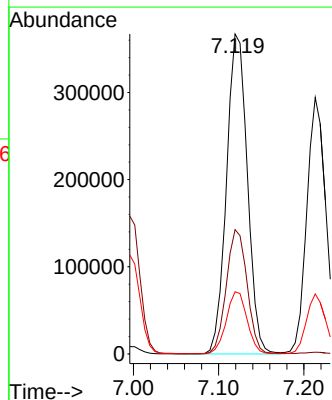
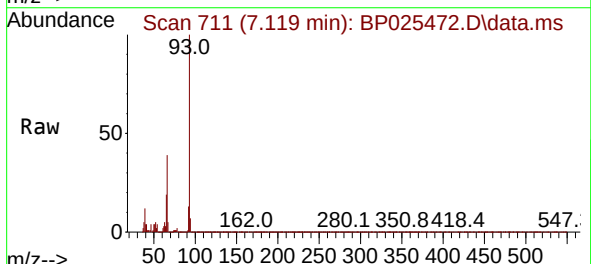
Instrument :
BNA_P
ClientSampleId :
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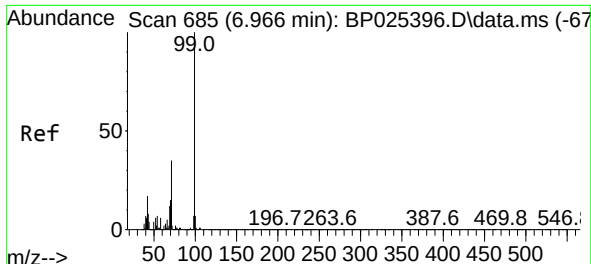
Tgt Ion:112 Resp: 1337580
Ion Ratio Lower Upper
112 100
64 56.5 43.8 65.8
63 30.4 22.7 34.1



#6
Aniline
Concen: 37.353 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion: 93 Resp: 625971
Ion Ratio Lower Upper
93 100
66 38.9 30.4 45.6
65 19.4 15.3 22.9



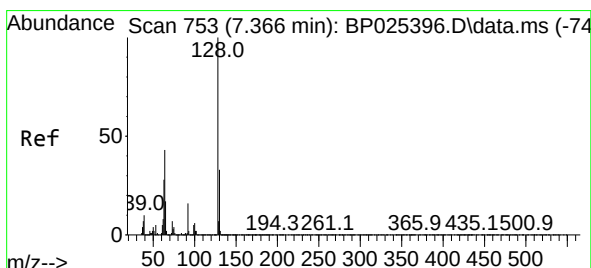
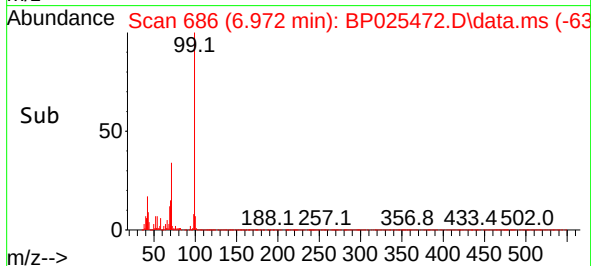
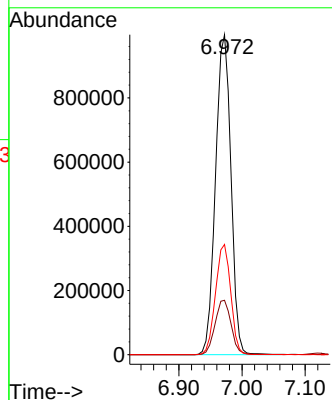
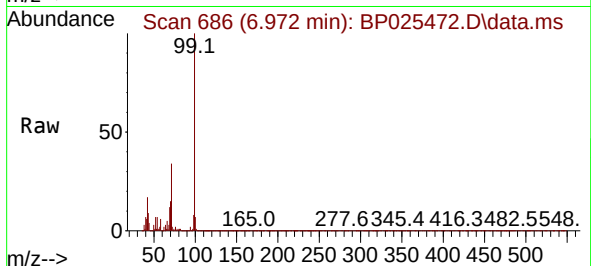


#7
Phenol-d6
Concen: 135.735 ng
RT: 6.972 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Instrument :
BNA_P
ClientSampleId :
PB169244BS

Tgt Ion: 99 Resp: 1688269

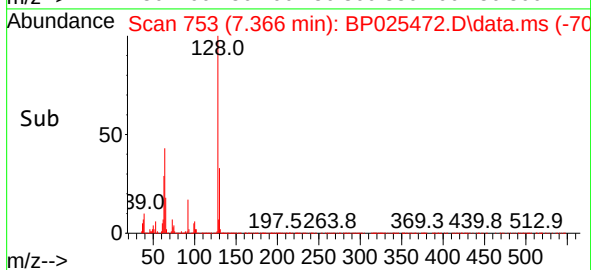
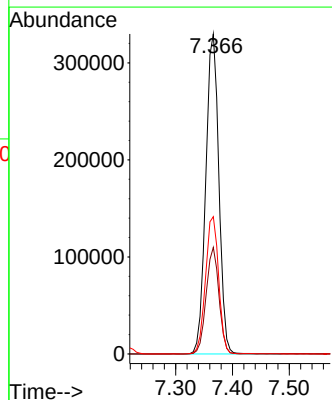
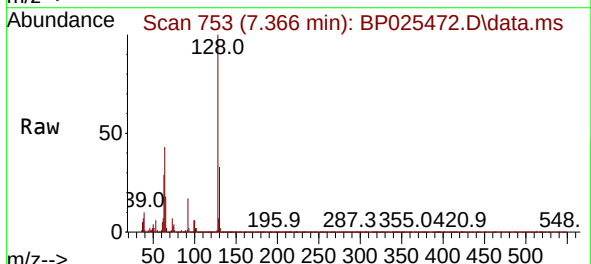
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.7	20.5
71	34.4	28.2	42.4

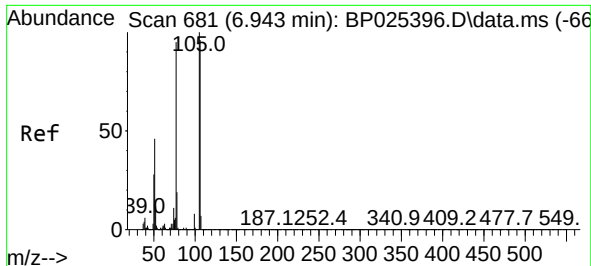


#8
2-Chlorophenol
Concen: 47.941 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion: 128 Resp: 524831

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.6	52.6
64	42.9	23.4	63.4

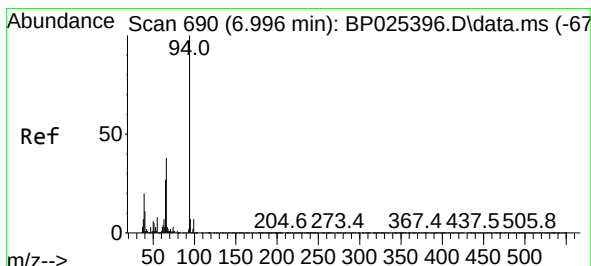
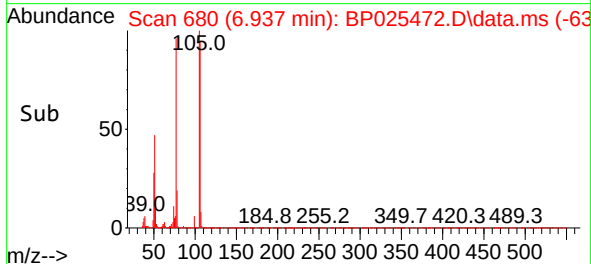
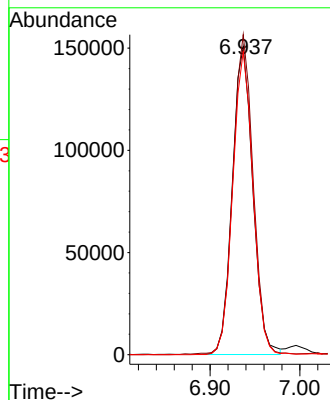
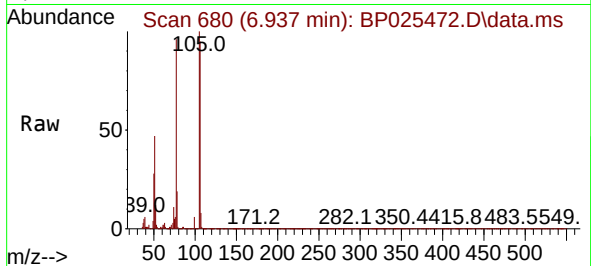




#9
Benzaldehyde
Concen: 27.431 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

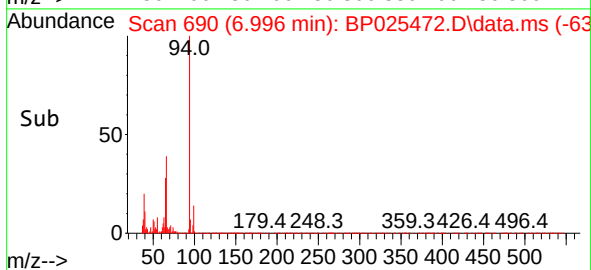
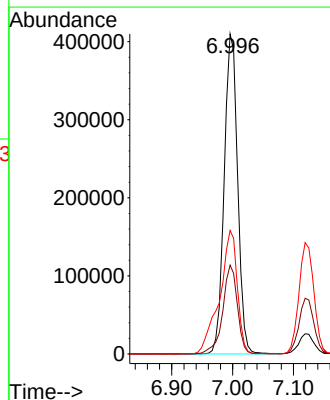
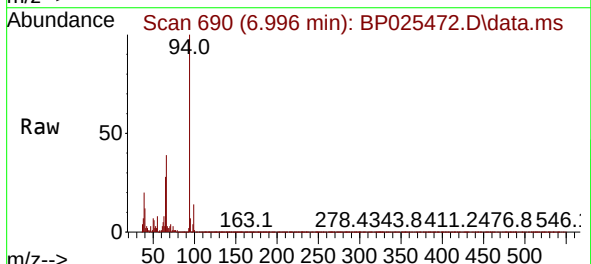
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ClientSampleId :
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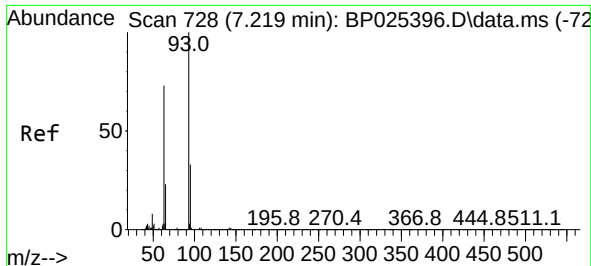
Tgt Ion: 77 Resp: 239040
Ion Ratio Lower Upper
77 100
105 103.8 84.8 124.8
106 98.4 80.5 120.5



#10
Phenol
Concen: 48.175 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion: 94 Resp: 628743
Ion Ratio Lower Upper
94 100
65 27.7 6.8 46.8
66 38.6 18.2 58.2

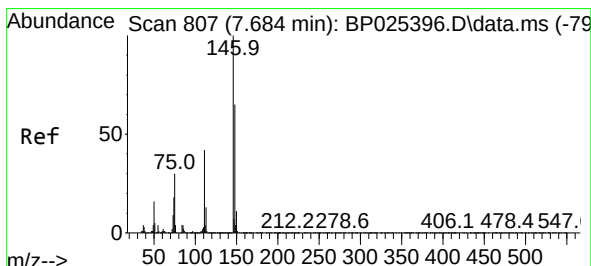
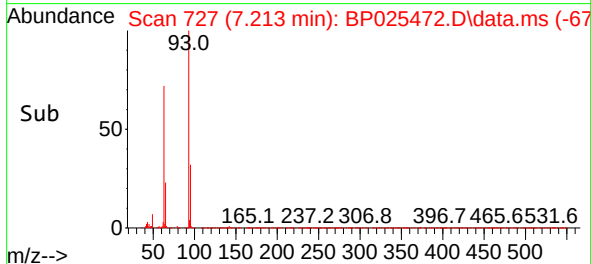
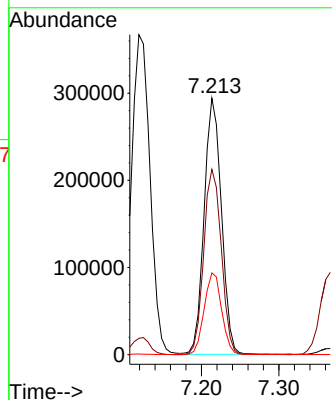
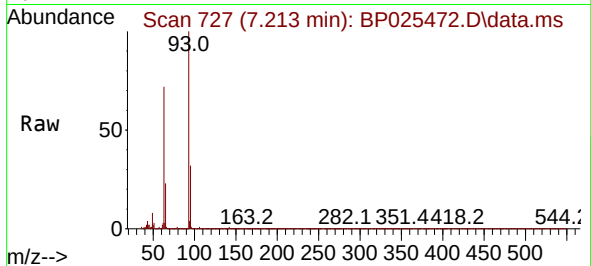




#11
 bis(2-Chloroethyl)ether
 Concen: 44.744 ng
 RT: 7.213 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BP025472.D
 Acq: 19 Aug 2025 12:06

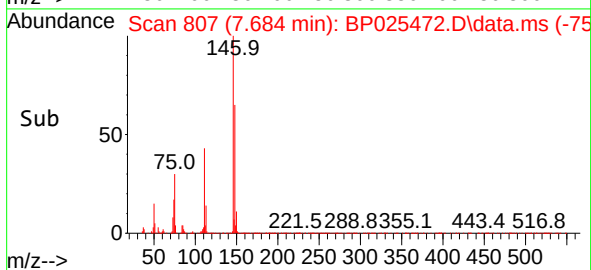
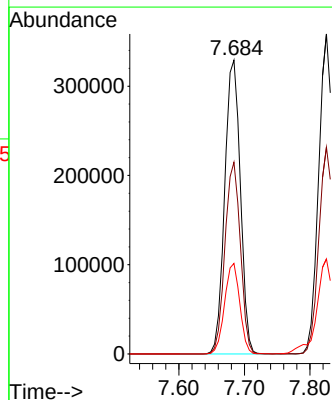
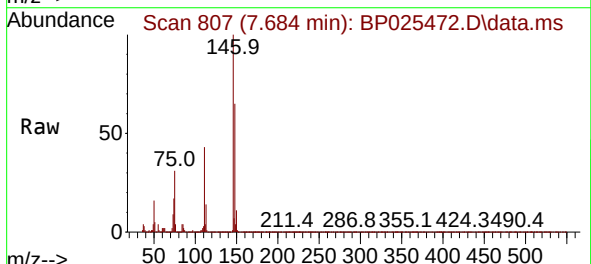
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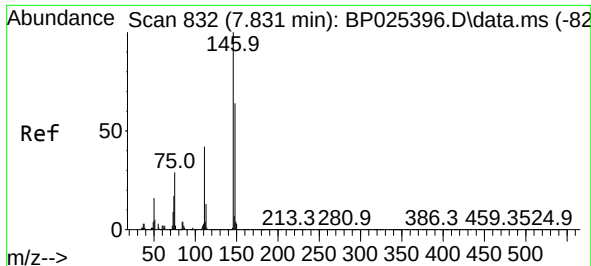
Tgt Ion: 93 Resp: 455153
 Ion Ratio Lower Upper
 93 100
 63 72.2 52.6 92.6
 95 31.9 12.7 52.7



#12
 1,3-Dichlorobenzene
 Concen: 45.014 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025472.D
 Acq: 19 Aug 2025 12:06

Tgt Ion: 146 Resp: 543382
 Ion Ratio Lower Upper
 146 100
 148 65.2 51.9 77.9
 75 30.8 23.7 35.5

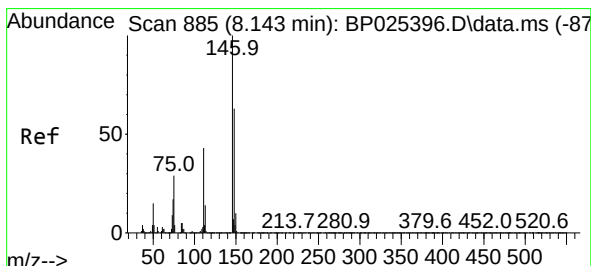
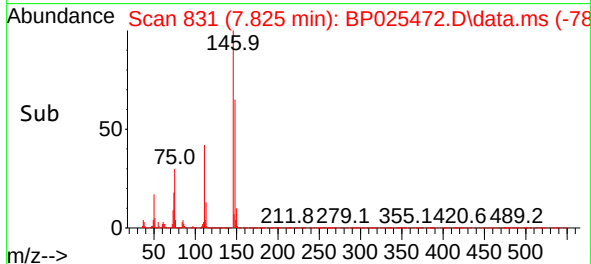
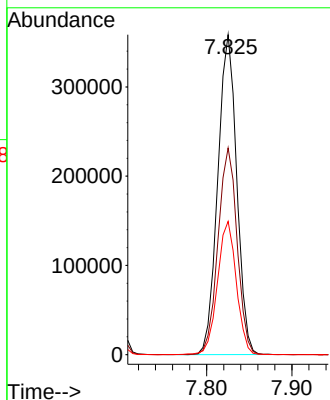
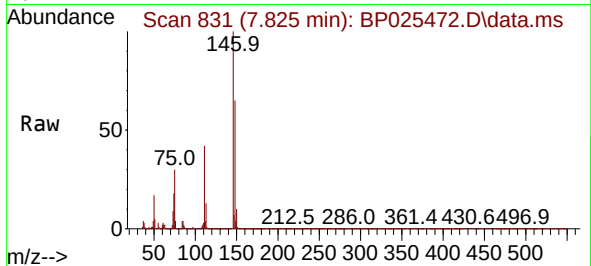




#13
1,4-Dichlorobenzene
Concen: 44.876 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

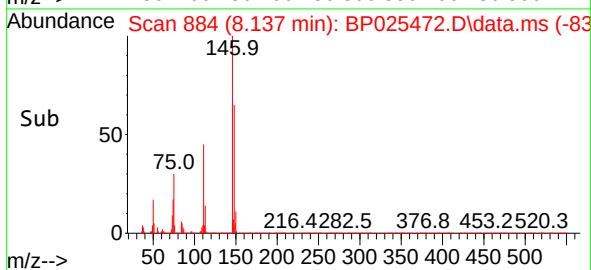
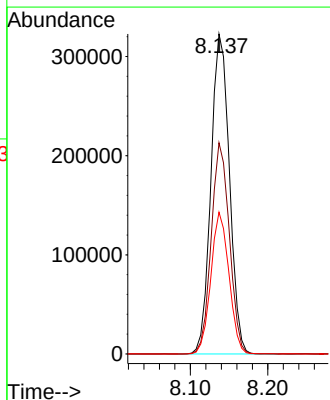
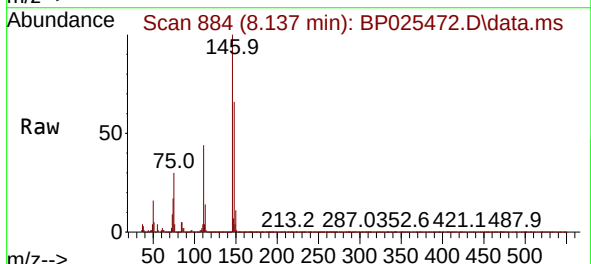
Instrument :
BNA_P
ClientSampleId :
PB169244BS

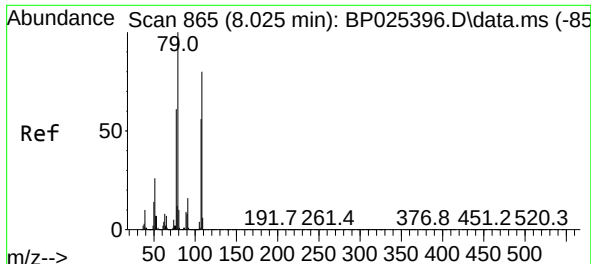
Tgt Ion:146 Resp: 553701
Ion Ratio Lower Upper
146 100
148 64.6 51.6 77.4
111 41.6 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 44.742 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:146 Resp: 534380
Ion Ratio Lower Upper
146 100
148 66.0 50.4 75.6
111 44.3 34.5 51.7

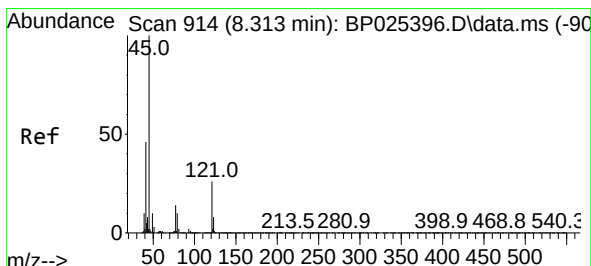
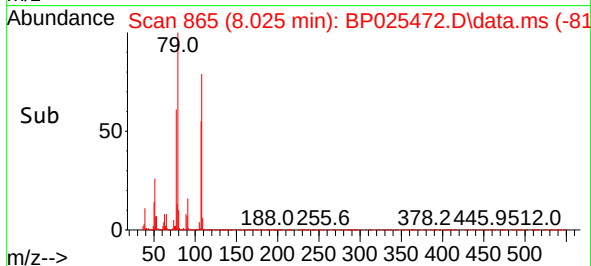
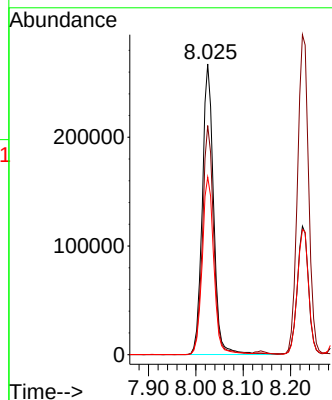
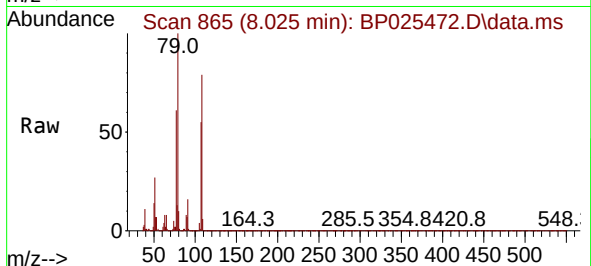




#15
Benzyl Alcohol
Concen: 44.974 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

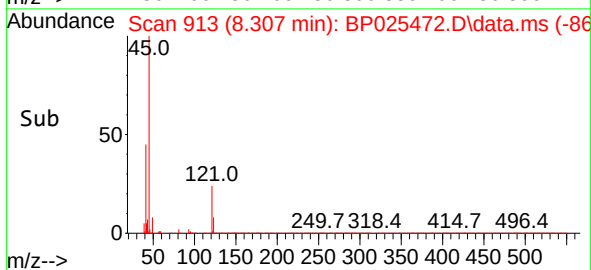
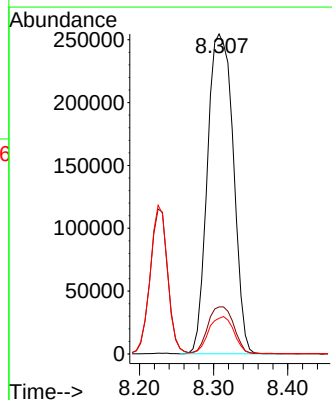
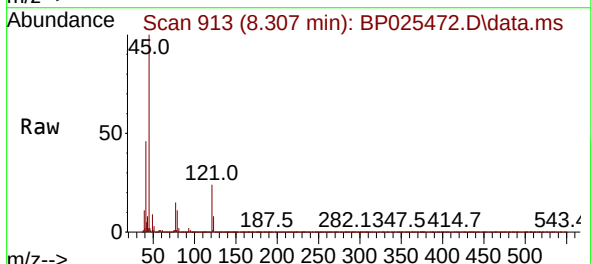
Instrument :
BNA_P
ClientSampleId :
PB169244BS

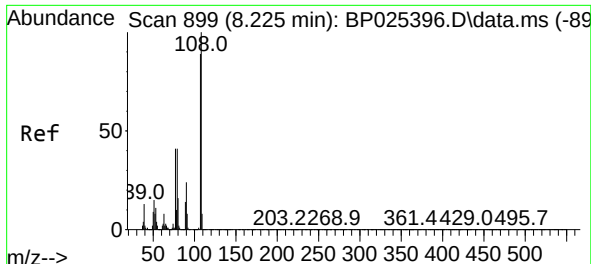
Tgt Ion: 79 Resp: 444471
Ion Ratio Lower Upper
79 100
108 78.8 63.8 95.6
77 61.1 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.153 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion: 45 Resp: 615310
Ion Ratio Lower Upper
45 100
77 14.7 0.0 35.3
79 11.1 0.0 31.8



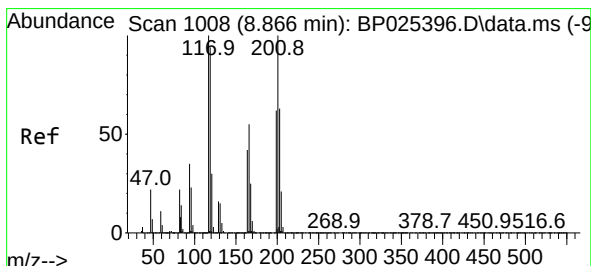
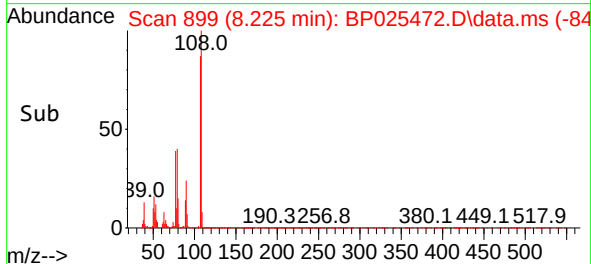
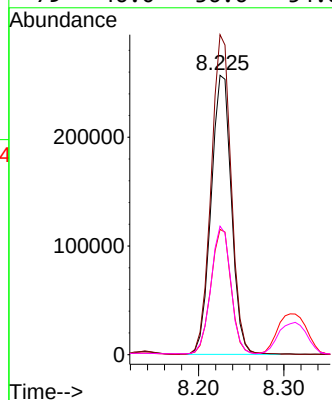
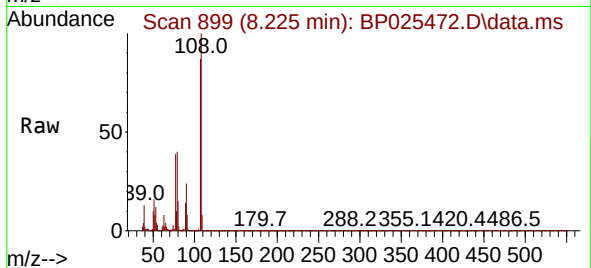


#17
2-Methylphenol
Concen: 46.879 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Instrument :
BNA_P
ClientSampleId :
PB169244BS

Tgt Ion:107 Resp: 424929

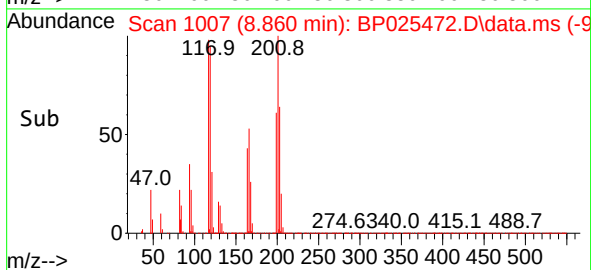
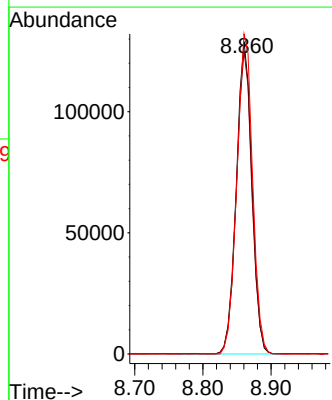
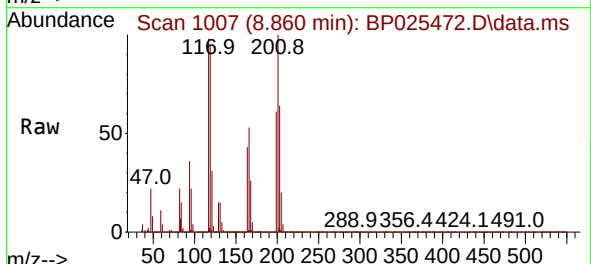
Ion	Ratio	Lower	Upper
107	100		
108	114.5	89.4	134.0
77	44.9	36.3	54.5
79	46.0	36.6	54.8

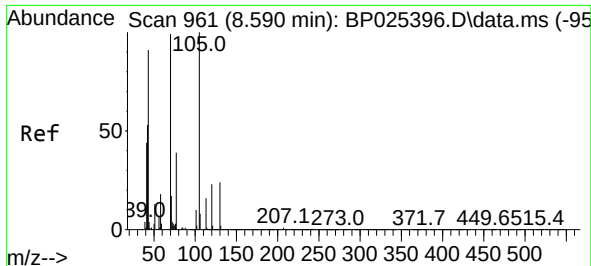


#18
Hexachloroethane
Concen: 45.209 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:117 Resp: 205091

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.1	112.7
201	102.5	80.1	120.1





#19

n-Nitroso-di-n-propylamine

Concen: 42.121 ng

RT: 8.584 min Scan# 961

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion: 70 Resp: 347018

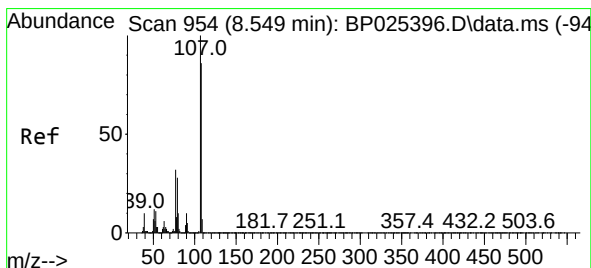
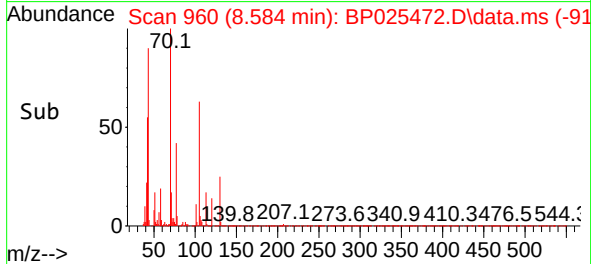
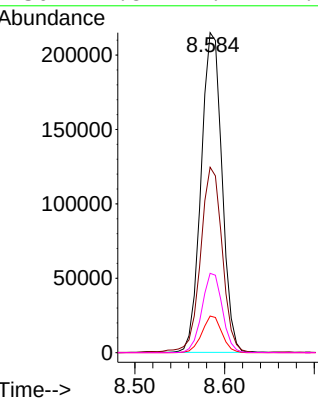
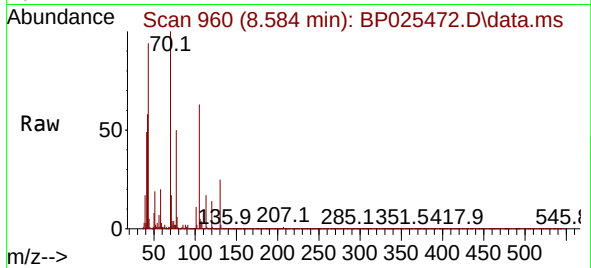
Ion Ratio Lower Upper

70 100

42 58.0 43.8 65.6

101 11.4 8.5 12.7

130 24.8 19.4 29.0



#20

3+4-Methylphenols

Concen: 46.577 ng

RT: 8.549 min Scan# 954

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Tgt Ion: 107 Resp: 585226

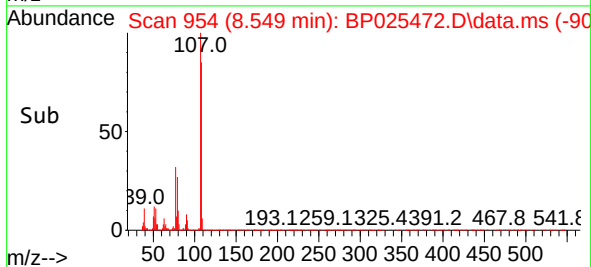
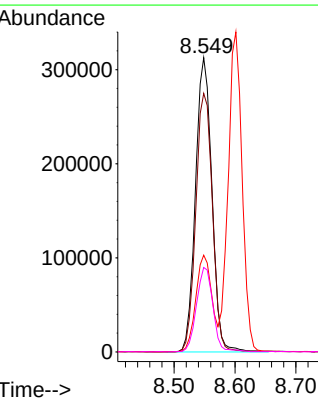
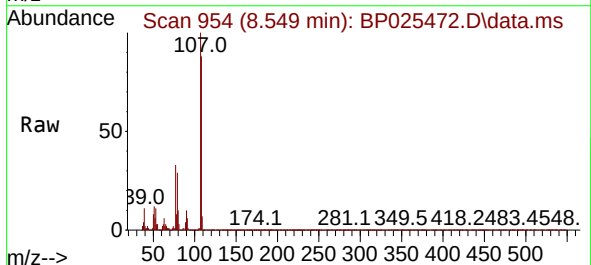
Ion Ratio Lower Upper

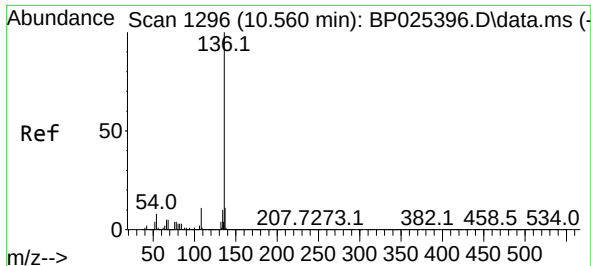
107 100

108 87.9 66.3 106.3

77 32.9 12.3 52.3

79 28.7 7.8 47.8

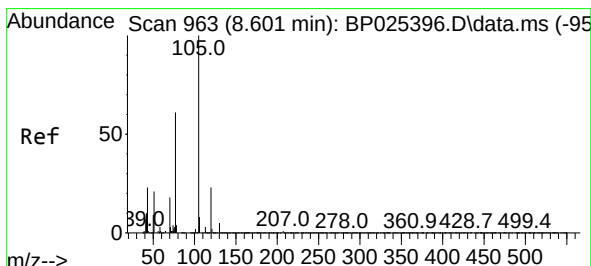
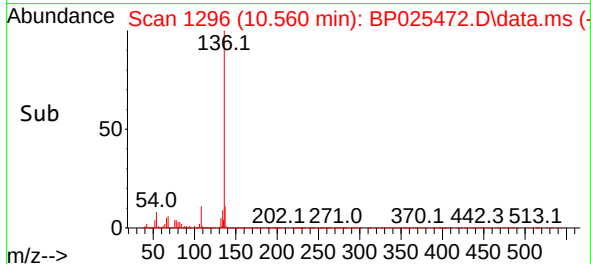
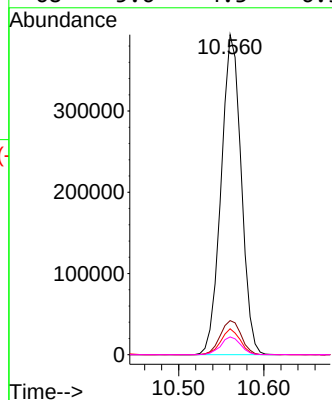
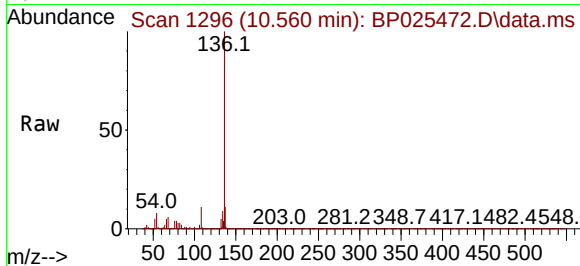




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

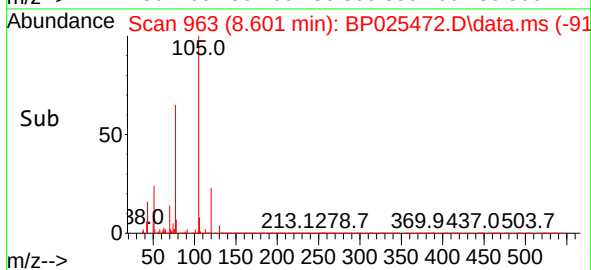
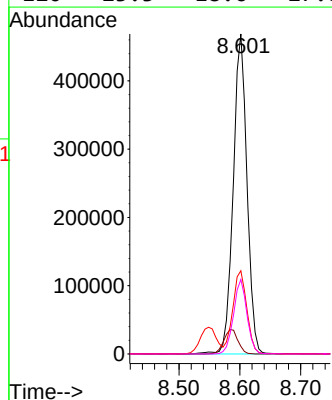
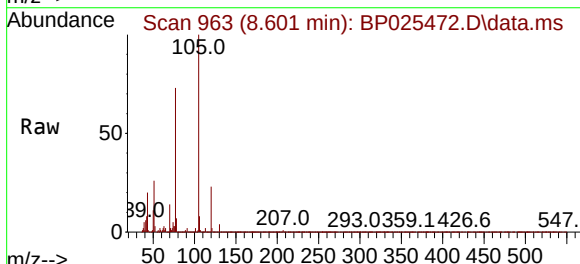
Instrument :
BNA_P
ClientSampleId :
PB169244BS

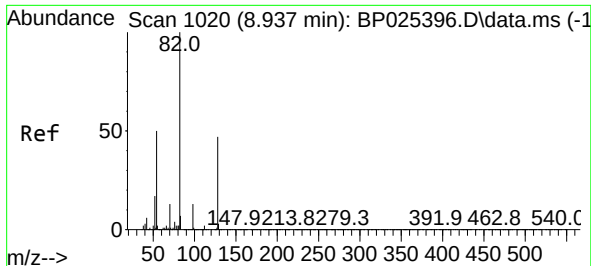
Tgt Ion:	136	Resp:	644957
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	8.1	6.0	9.0
68	5.6	4.3	6.5



#22
Acetophenone
Concen: 45.445 ng
RT: 8.601 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:	105	Resp:	735041
Ion	Ratio	Lower	Upper
105	100		
71	2.4	2.6	4.0#
51	26.0	20.6	30.8
120	23.3	18.6	27.8

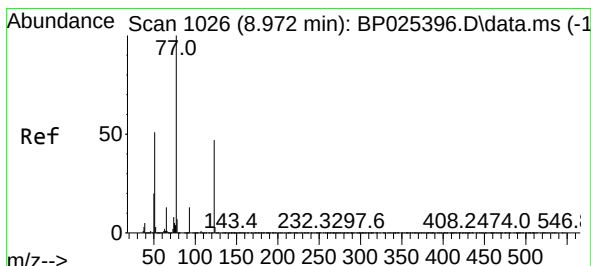
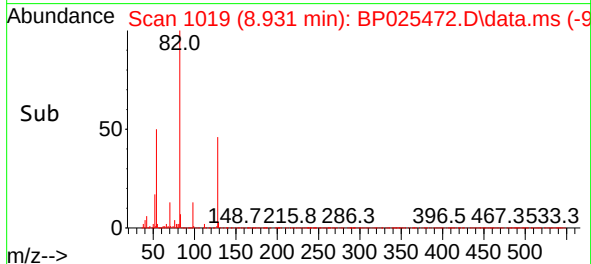
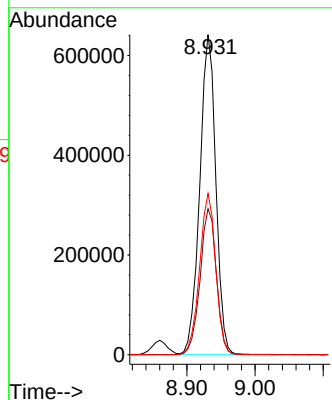
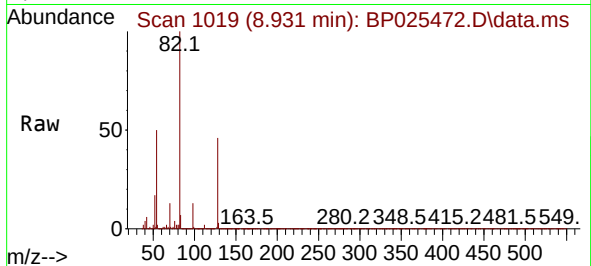




#23
Nitrobenzene-d5
Concen: 82.423 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

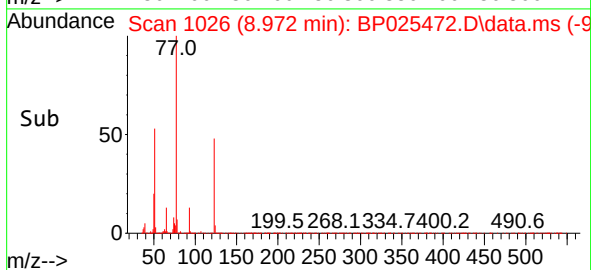
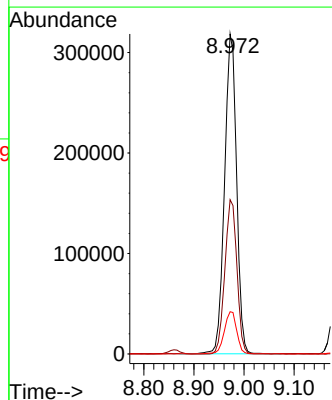
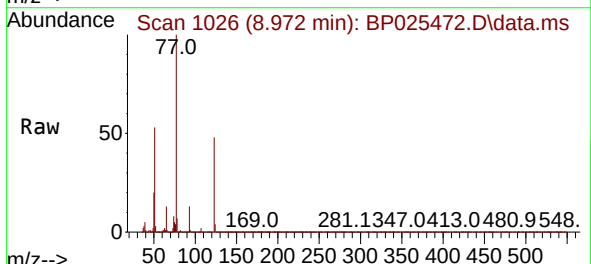
Instrument :
BNA_P
ClientSampleId :
PB169244BS

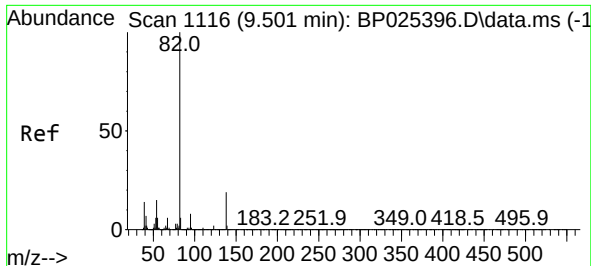
Tgt Ion: 82 Resp: 1050881
Ion Ratio Lower Upper
82 100
128 45.6 37.7 56.5
54 50.4 39.8 59.6



#24
Nitrobenzene
Concen: 46.610 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion: 77 Resp: 531108
Ion Ratio Lower Upper
77 100
123 48.2 38.6 58.0
65 13.2 10.6 15.8

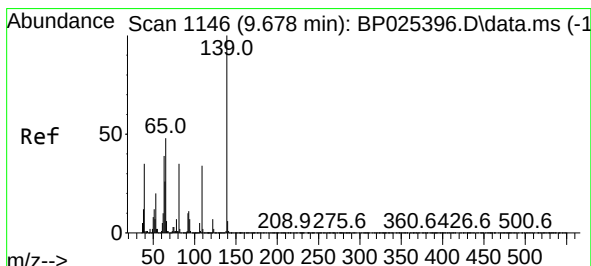
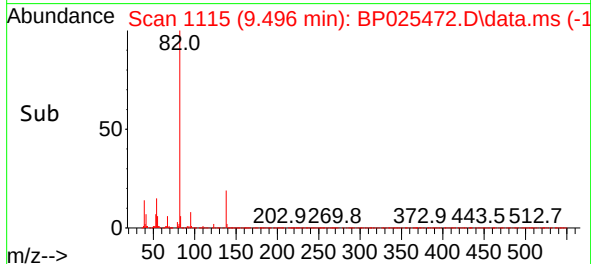
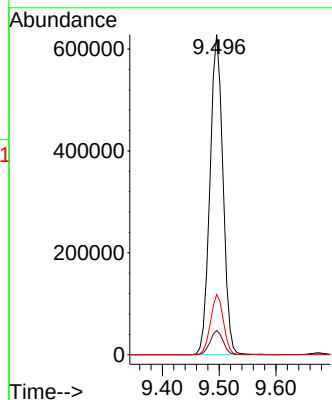
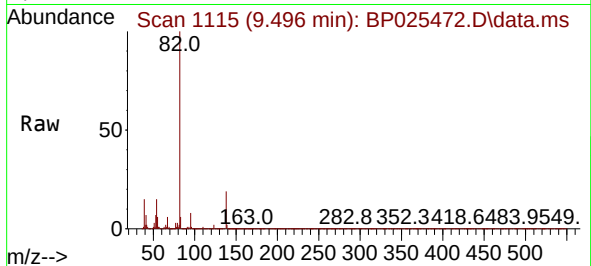




#25
Isophorone
Concen: 44.048 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

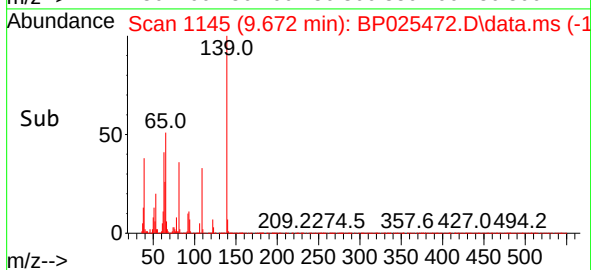
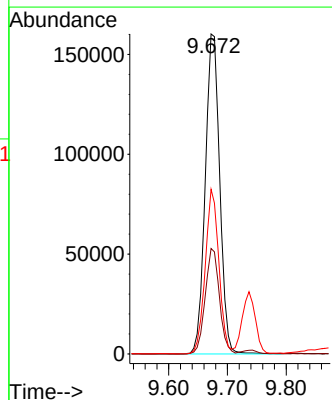
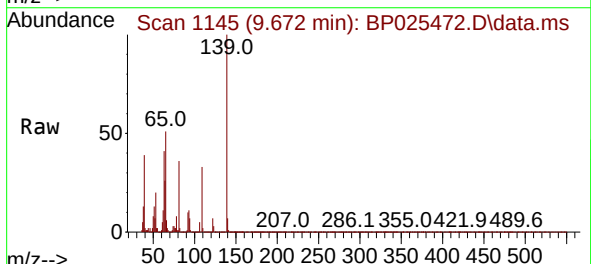
Instrument :
BNA_P
ClientSampleId :
PB169244BS

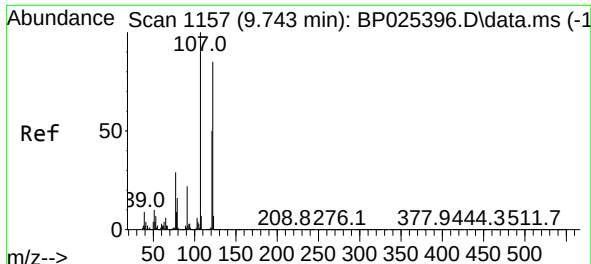
Tgt Ion: 82 Resp: 993893
Ion Ratio Lower Upper
82 100
95 7.5 6.4 9.6
138 18.8 15.4 23.0



#26
2-Nitrophenol
Concen: 46.827 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion: 139 Resp: 273836
Ion Ratio Lower Upper
139 100
109 32.9 26.9 40.3
65 51.5 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 47.669 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

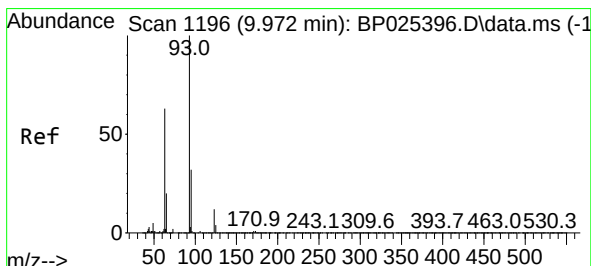
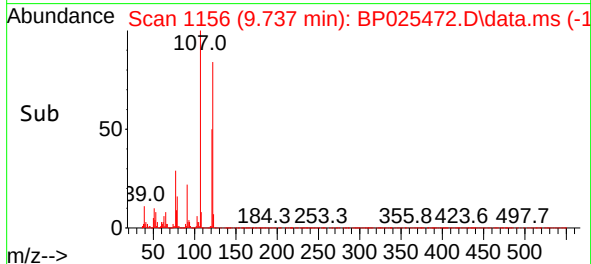
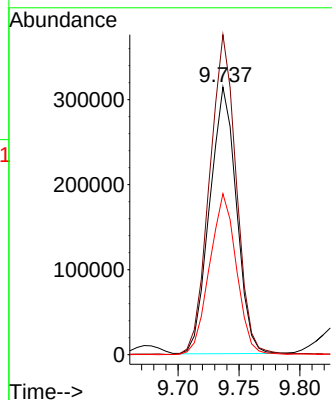
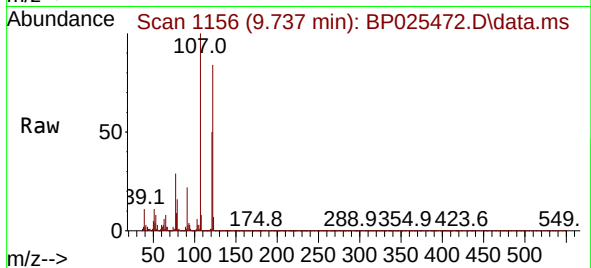
Tgt Ion:122 Resp: 479387

Ion Ratio Lower Upper

122 100

107 119.5 93.7 140.5

121 60.1 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 44.988 ng

RT: 9.972 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

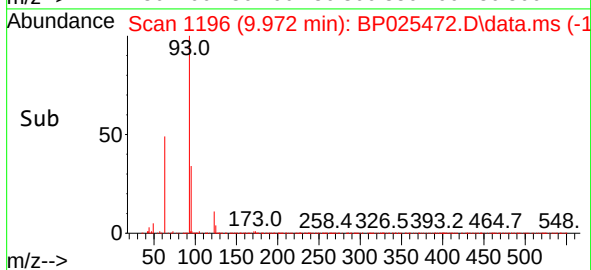
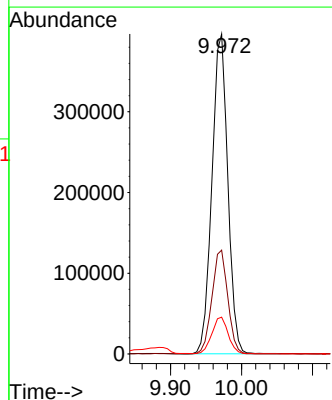
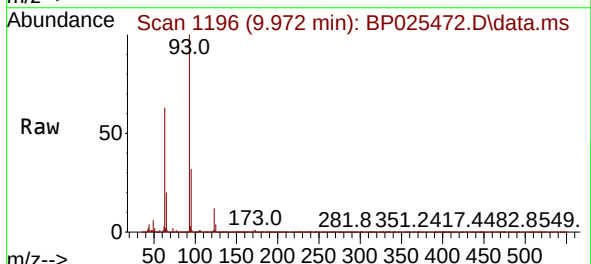
Tgt Ion: 93 Resp: 613611

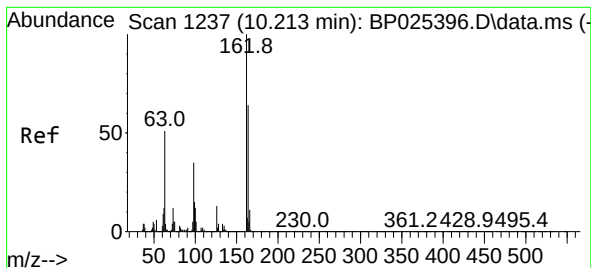
Ion Ratio Lower Upper

93 100

95 32.4 25.4 38.0

123 11.5 9.4 14.0

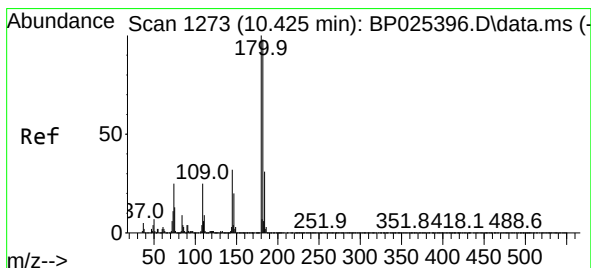
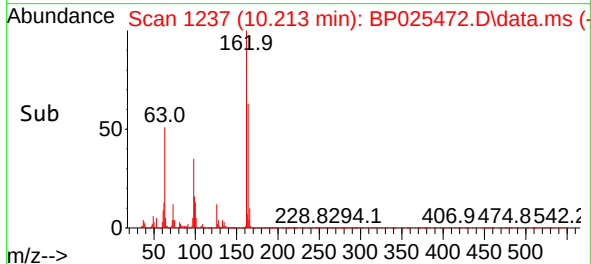
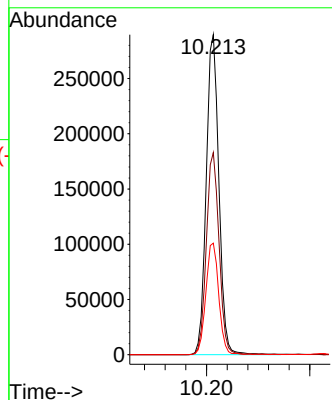
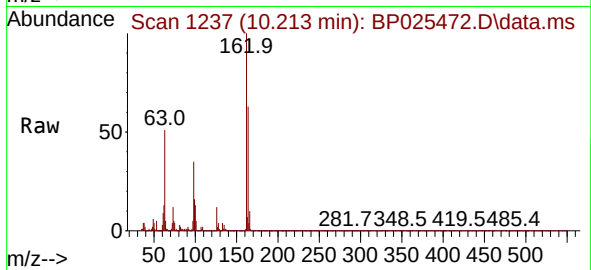




#29
2,4-Dichlorophenol
Concen: 49.210 ng
RT: 10.213 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

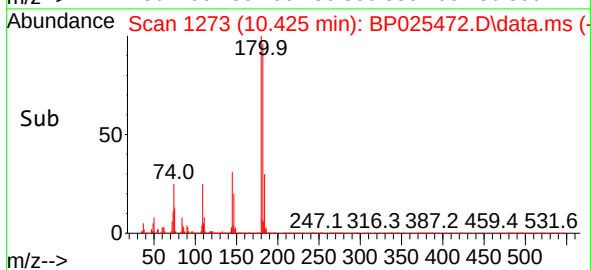
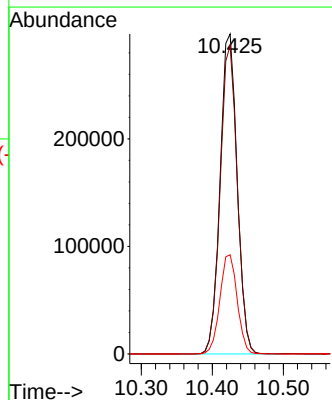
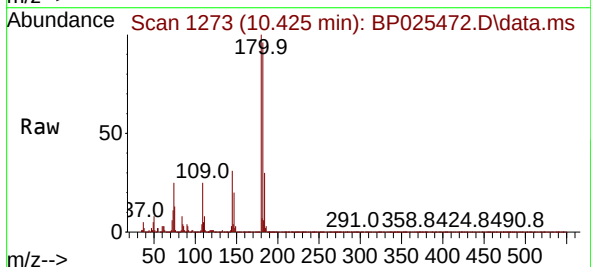
Instrument :
BNA_P
ClientSampleId :
PB169244BS

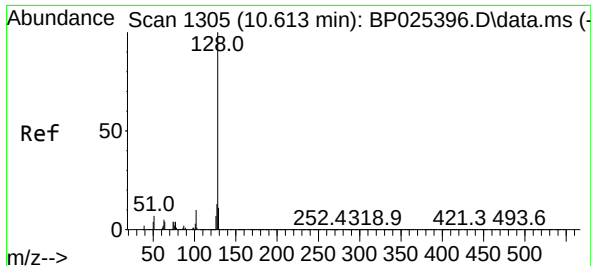
Tgt Ion:162 Resp: 491610
Ion Ratio Lower Upper
162 100
164 63.1 44.4 84.4
98 34.9 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 45.218 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:180 Resp: 495197
Ion Ratio Lower Upper
180 100
182 96.4 78.0 117.0
145 31.0 25.9 38.9

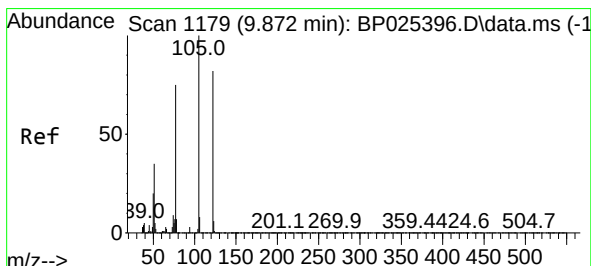
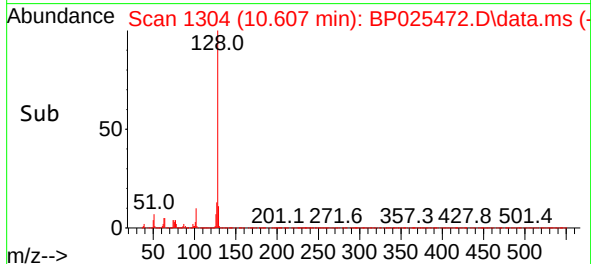
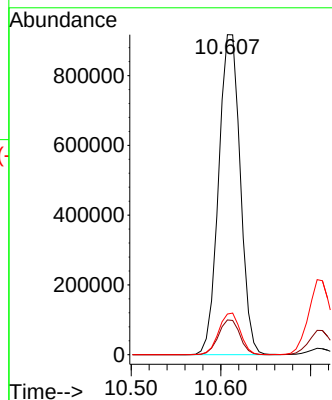
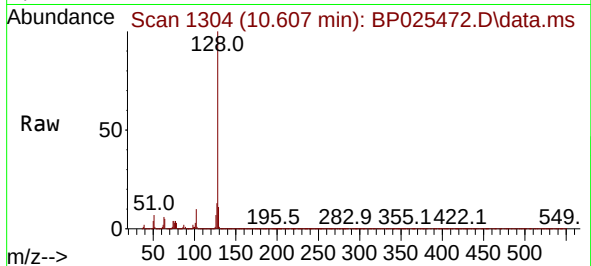




#31
Naphthalene
Concen: 45.778 ng
RT: 10.607 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

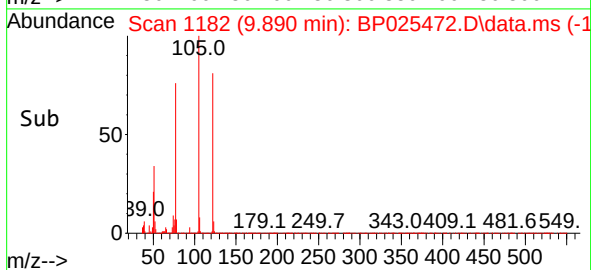
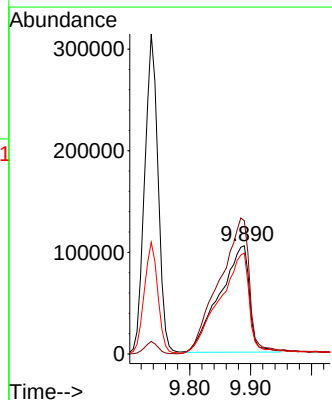
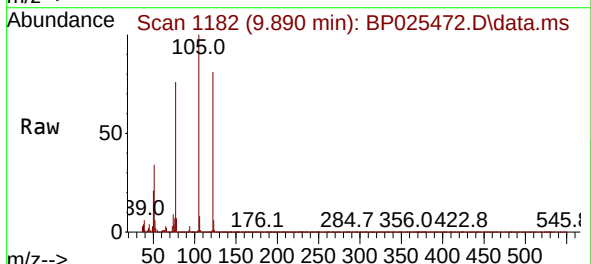
Instrument :
BNA_P
ClientSampleId :
PB169244BS

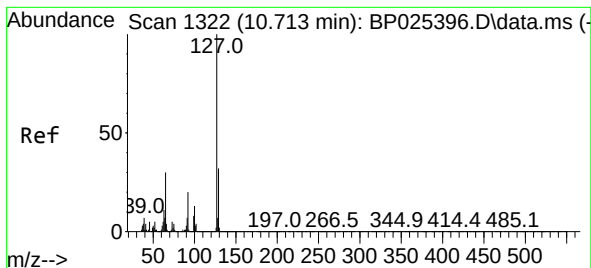
Tgt Ion:128 Resp: 1534568
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.7 10.7 16.1



#32
Benzoic acid
Concen: 48.094 ng
RT: 9.890 min Scan# 1182
Delta R.T. 0.018 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:122 Resp: 357076
Ion Ratio Lower Upper
122 100
105 123.0 100.6 140.6
77 93.3 71.5 111.5

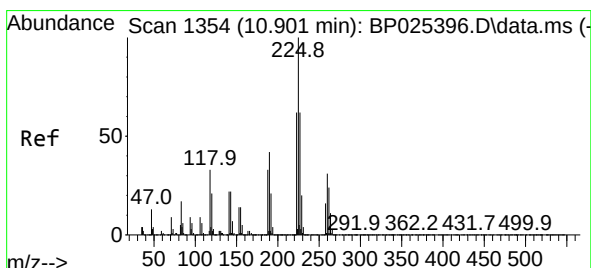
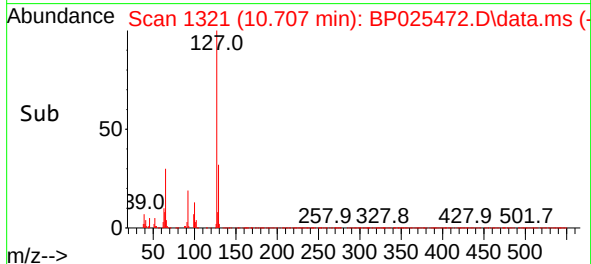
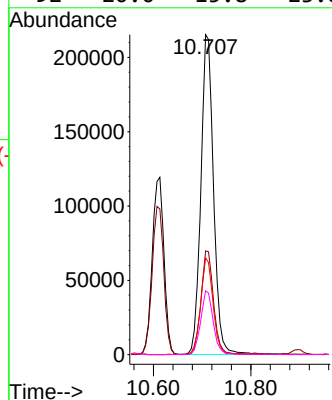
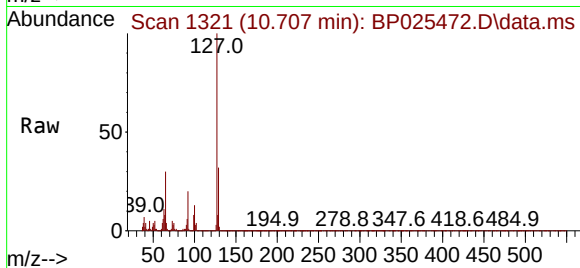




#33
4-Chloroaniline
Concen: 26.321 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

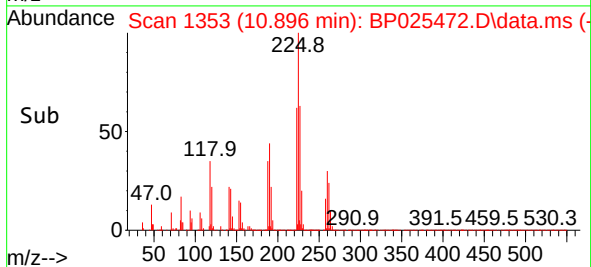
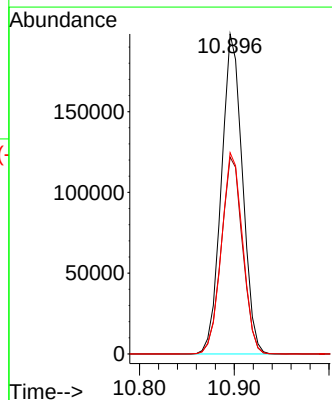
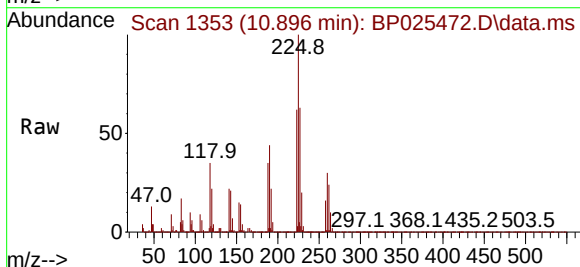
Instrument :
BNA_P
ClientSampleId :
PB169244BS

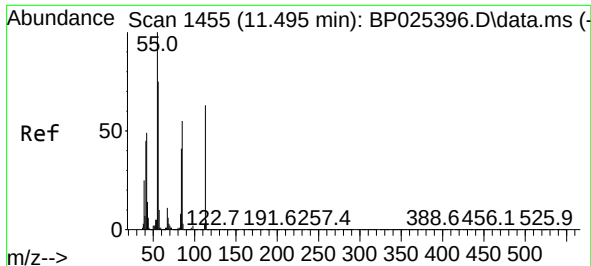
Tgt Ion:	127	Resp:	389745
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.4	38.2
65	30.3	23.8	35.6
92	20.0	15.8	23.8



#34
Hexachlorobutadiene
Concen: 44.872 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:	225	Resp:	306039
Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.0	75.0
227	62.9	49.7	74.5

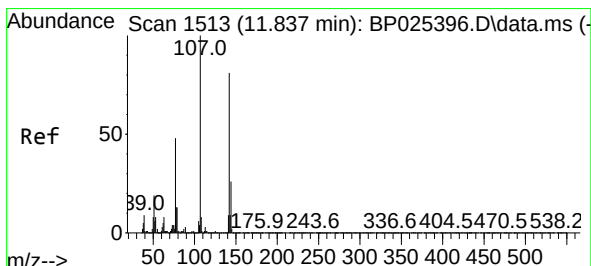
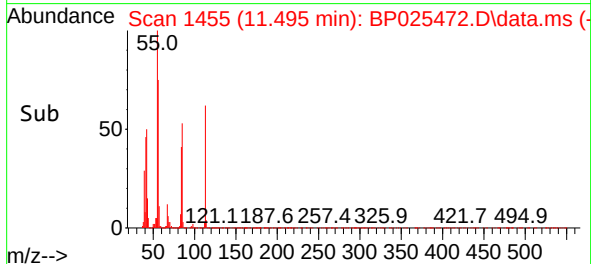
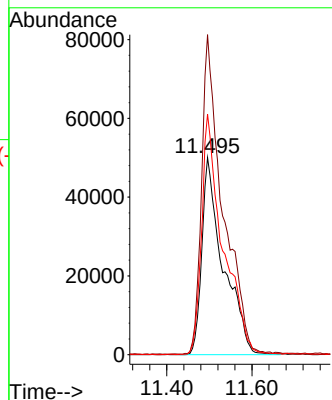
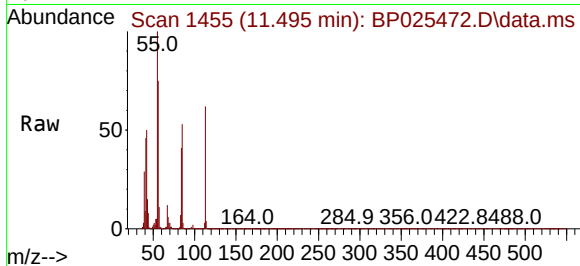




#35
Caprolactam
Concen: 47.476 ng
RT: 11.495 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

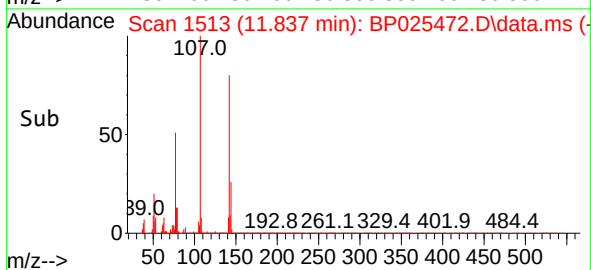
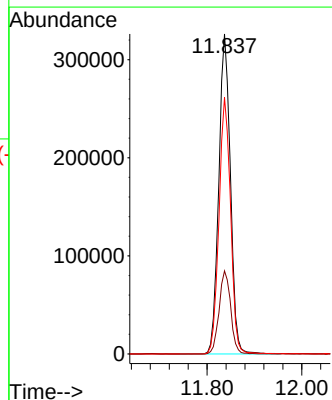
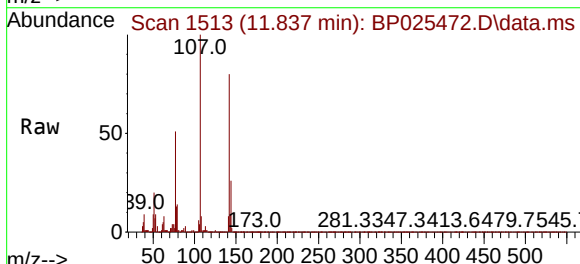
Instrument :
BNA_P
ClientSampleId :
PB169244BS

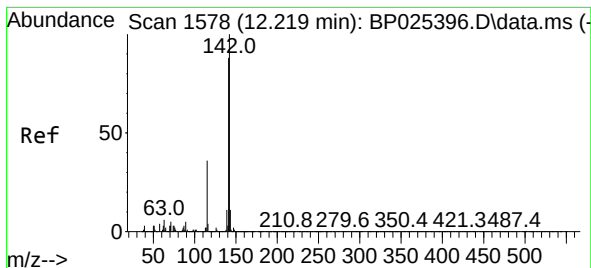
Tgt Ion:	113	Resp:	173914
Ion	Ratio	Lower	Upper
113	100		
55	162.3	140.0	180.0
56	122.1	100.0	140.0



#36
4-Chloro-3-methylphenol
Concen: 48.473 ng
RT: 11.837 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:	107	Resp:	555661
Ion	Ratio	Lower	Upper
107	100		
144	25.9	21.0	31.4
142	80.1	64.6	97.0

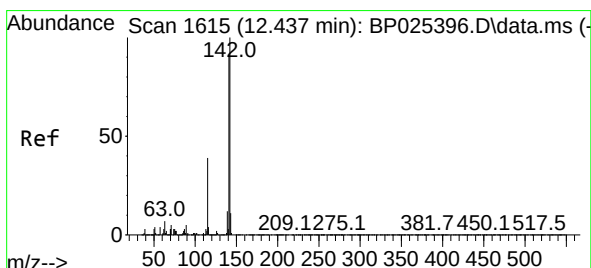
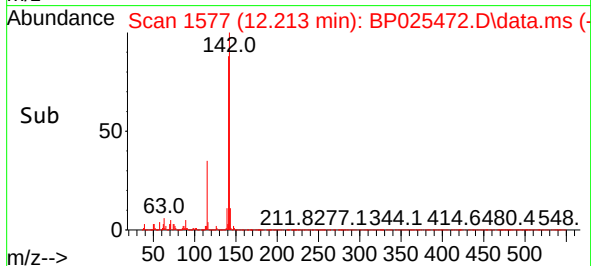
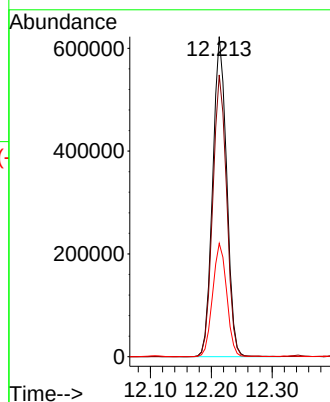
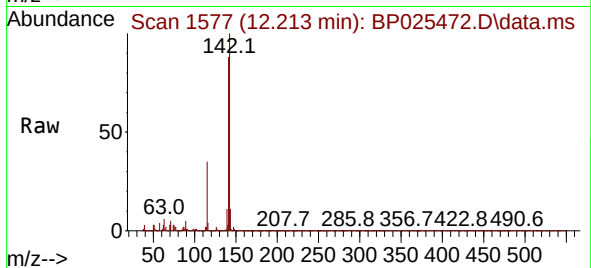




#37
2-Methylnaphthalene
Concen: 45.516 ng
RT: 12.213 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

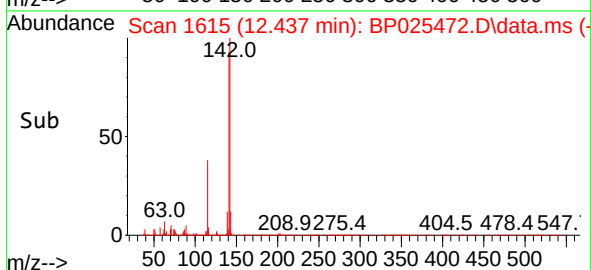
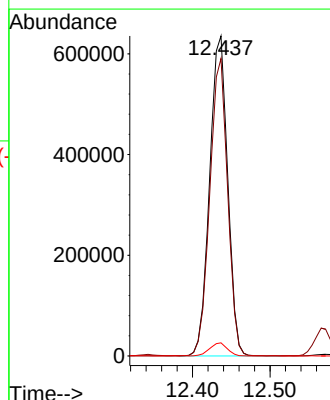
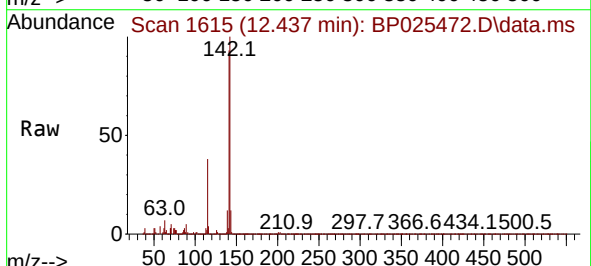
Instrument :
BNA_P
ClientSampleId :
PB169244BS

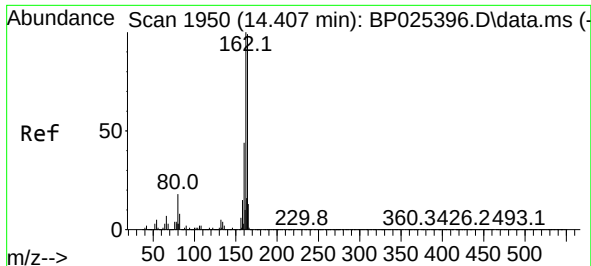
Tgt Ion:142 Resp: 992936
Ion Ratio Lower Upper
142 100
141 88.0 70.3 105.5
115 35.4 28.9 43.3



#38
1-Methylnaphthalene
Concen: 44.374 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:142 Resp: 1029457
Ion Ratio Lower Upper
142 100
141 92.9 73.1 109.7
116 4.1 3.2 4.8

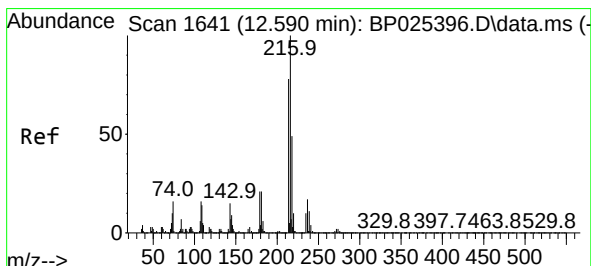
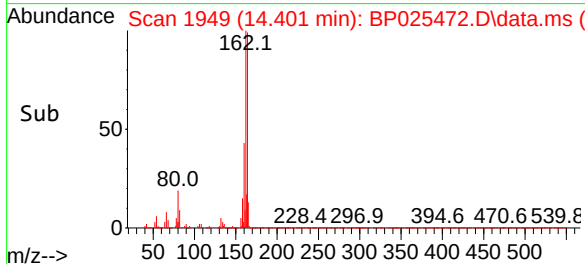
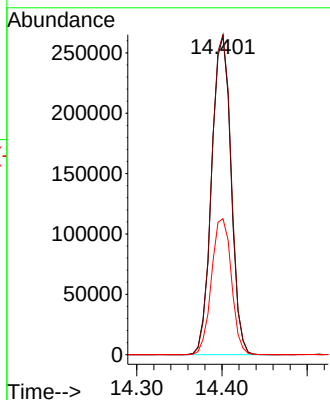
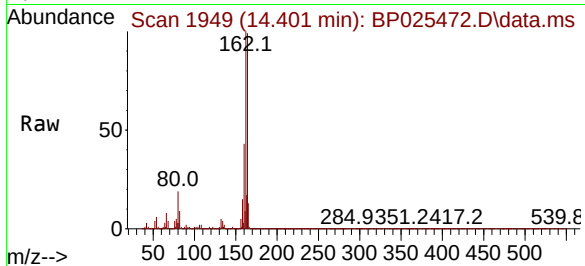




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

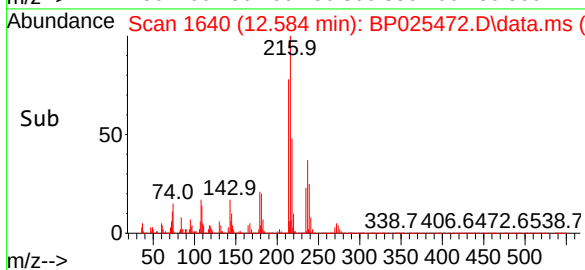
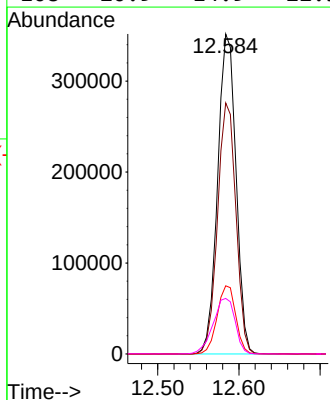
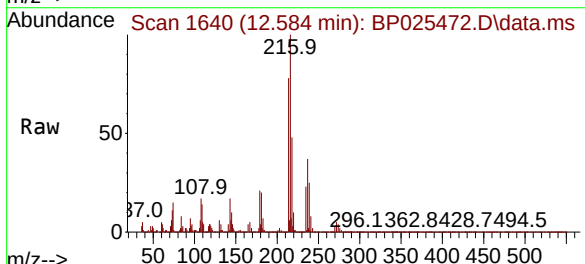
Instrument :
BNA_P
ClientSampleId :
PB169244BS

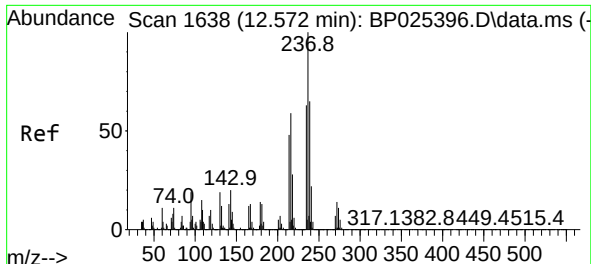
Tgt Ion:164 Resp: 415960
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.6
160 42.7 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.113 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:216 Resp: 553975
Ion Ratio Lower Upper
216 100
214 78.5 63.0 94.4
179 21.6 17.1 25.7
108 20.9 14.9 22.3

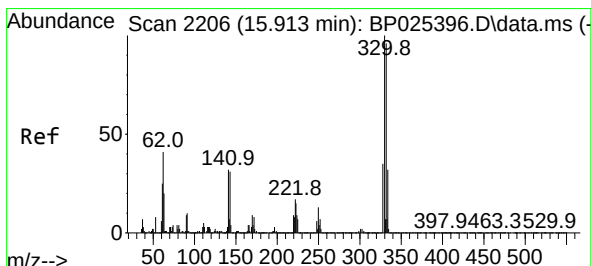
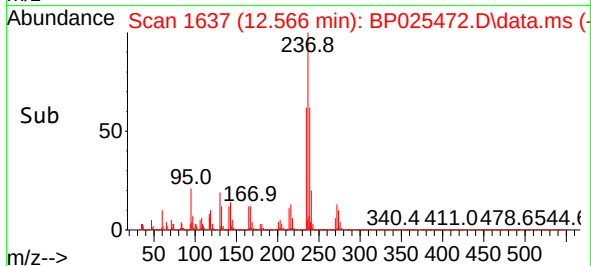
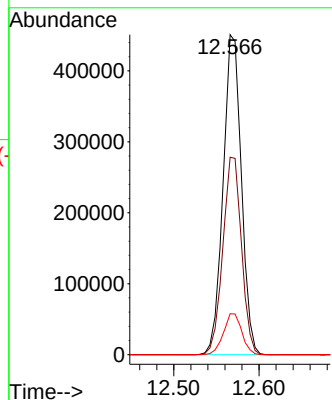
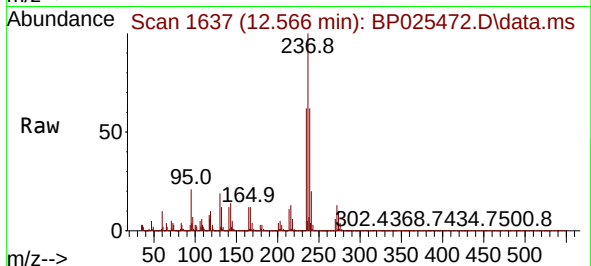




#41
Hexachlorocyclopentadiene
Concen: 92.369 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

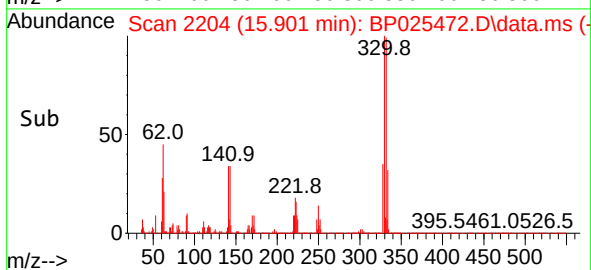
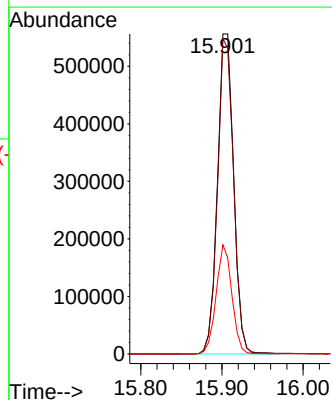
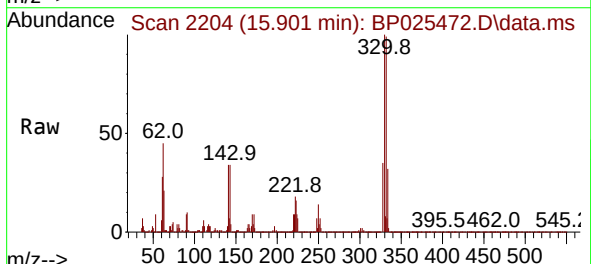
Instrument :
BNA_P
ClientSampleId :
PB169244BS

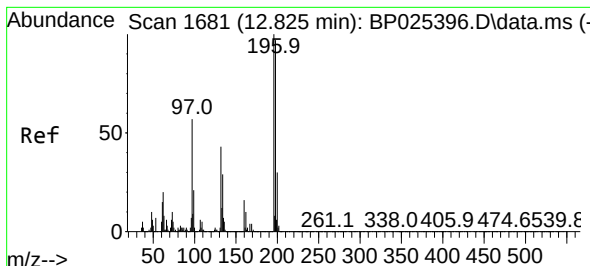
Tgt Ion:237 Resp: 670283
Ion Ratio Lower Upper
237 100
235 61.7 42.7 82.7
272 12.8 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 138.474 ng
RT: 15.901 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:330 Resp: 775299
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 33.1 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 50.417 ng

RT: 12.825 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

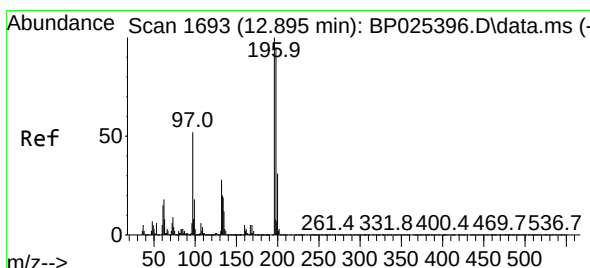
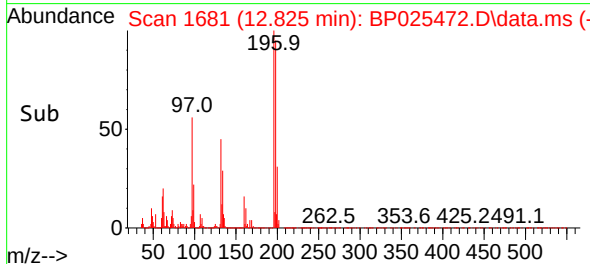
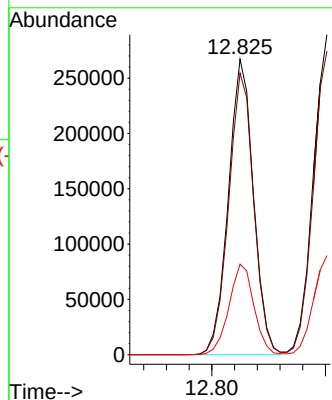
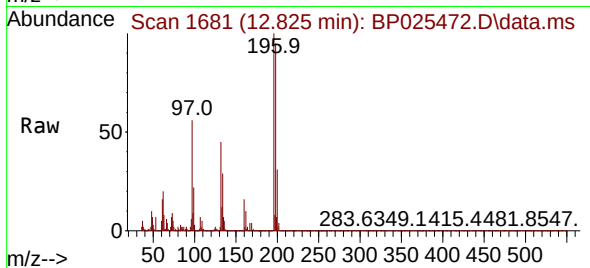
Tgt Ion:196 Resp: 408898

Ion Ratio Lower Upper

196 100

198 95.3 77.2 115.8

200 30.7 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 50.941 ng

RT: 12.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Tgt Ion:196 Resp: 452804

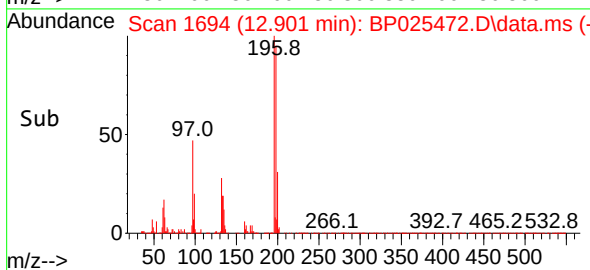
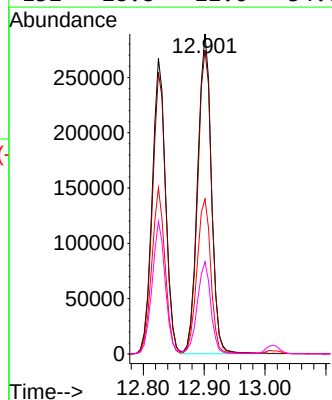
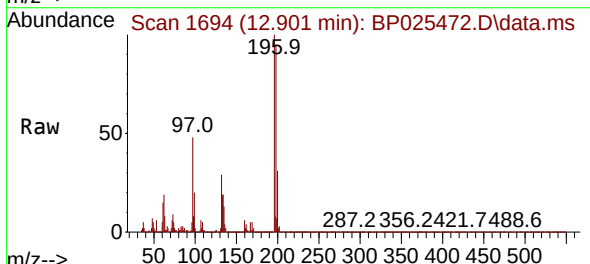
Ion Ratio Lower Upper

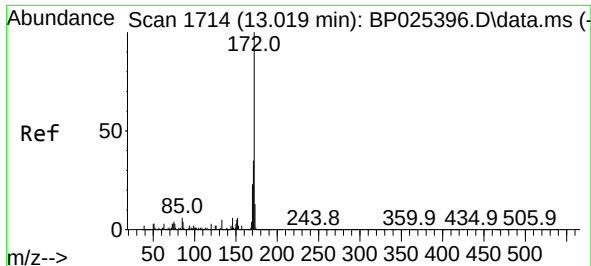
196 100

198 94.9 76.2 114.2

97 48.4 41.2 61.8

132 28.8 22.6 34.0

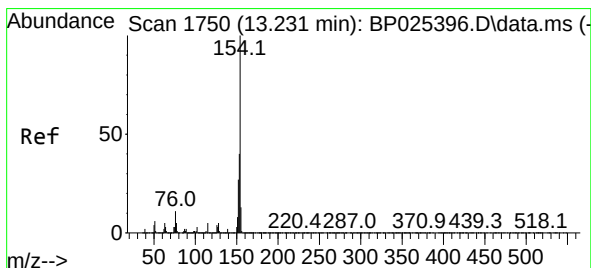
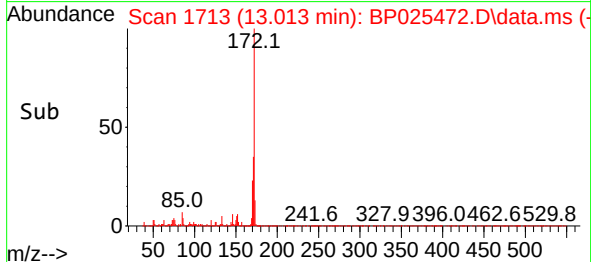
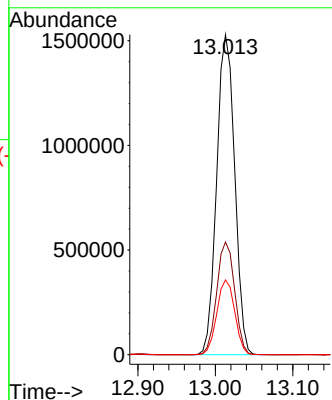
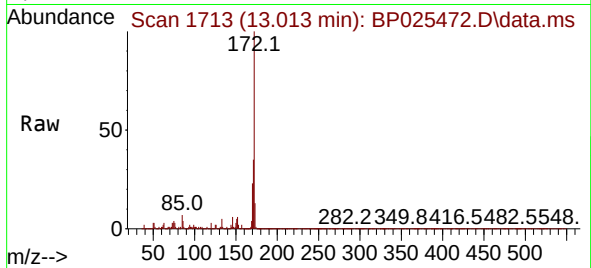




#45
2-Fluorobiphenyl
Concen: 81.083 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

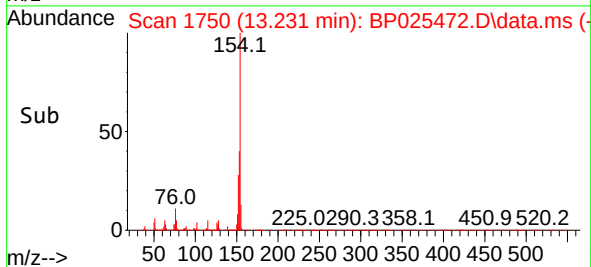
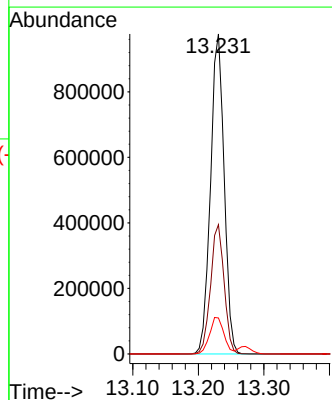
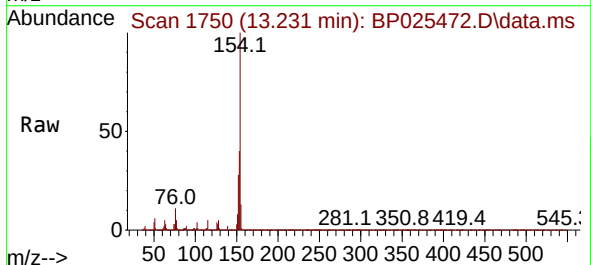
Instrument :
BNA_P
ClientSampleId :
PB169244BS

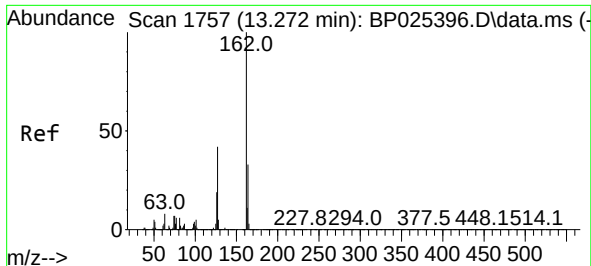
Tgt Ion:172 Resp: 2467804
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 46.746 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:154 Resp: 1412174
Ion Ratio Lower Upper
154 100
153 40.4 19.5 59.5
76 11.3 0.0 31.1





#47

2-Chloronaphthalene

Concen: 46.557 ng

RT: 13.272 min Scan# 1757

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

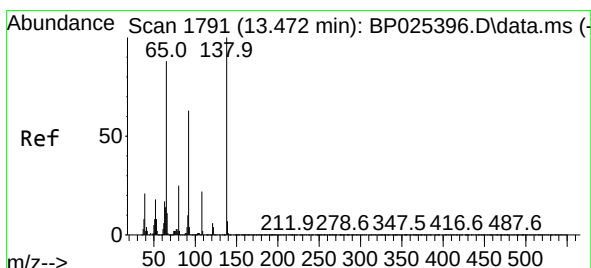
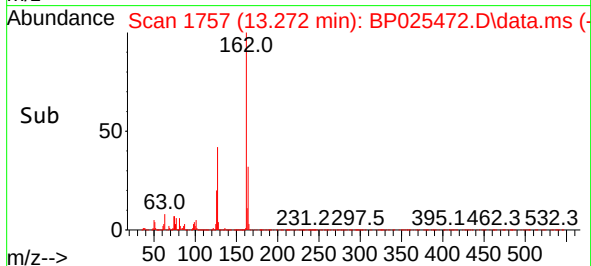
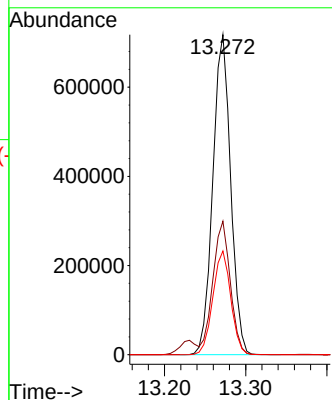
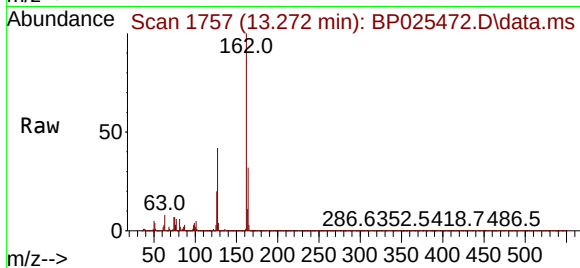
Tgt Ion:162 Resp: 1094908

Ion Ratio Lower Upper

162 100

127 41.7 33.4 50.2

164 32.4 26.2 39.2



#48

2-Nitroaniline

Concen: 51.571 ng

RT: 13.466 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

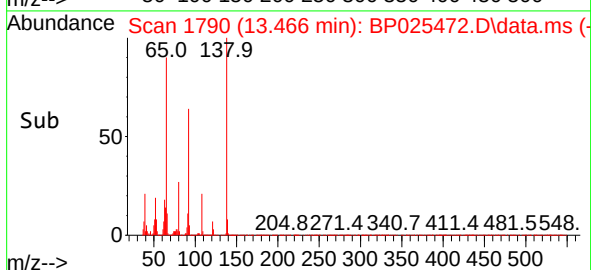
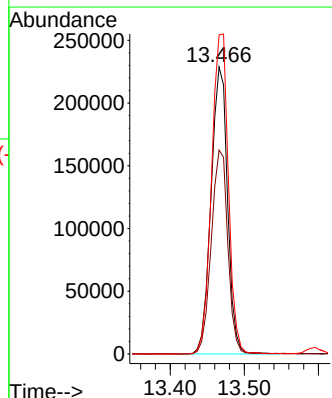
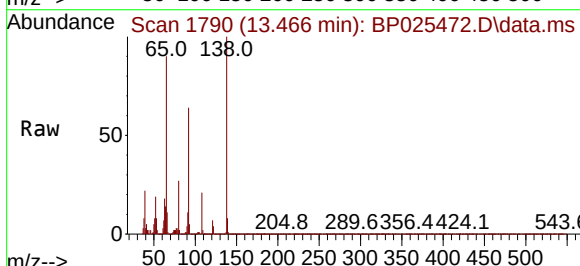
Tgt Ion: 65 Resp: 353391

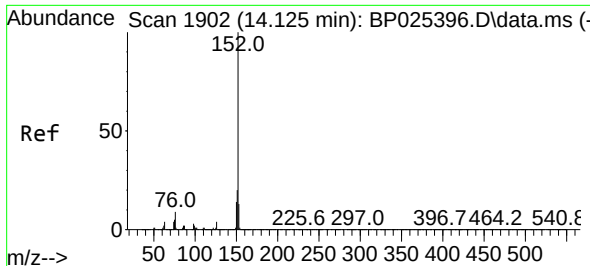
Ion Ratio Lower Upper

65 100

92 71.0 57.6 86.4

138 111.2 91.0 136.6

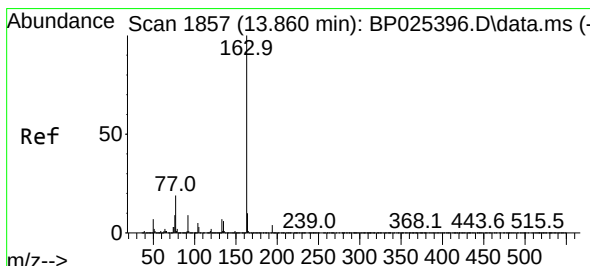
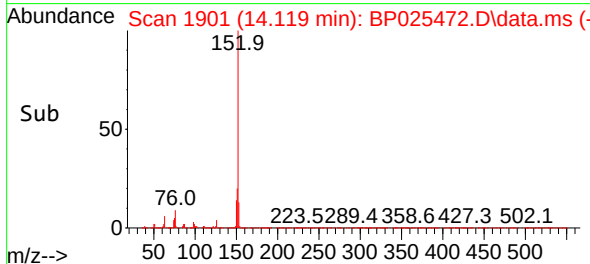
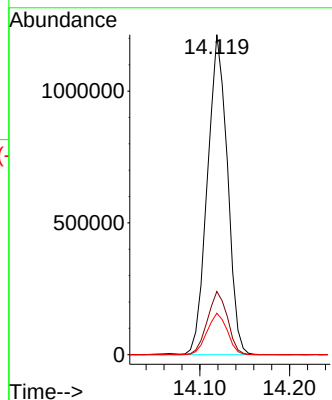
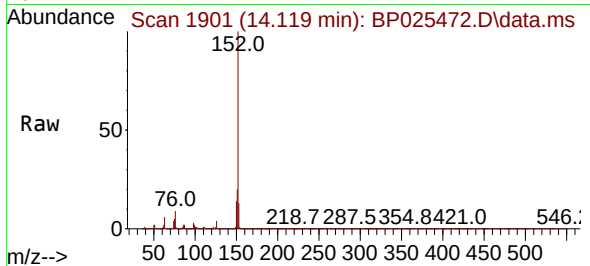




#49
Acenaphthylene
Concen: 48.171 ng
RT: 14.119 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

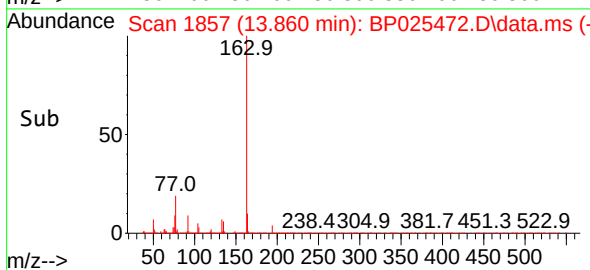
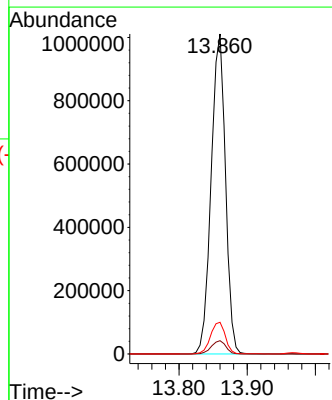
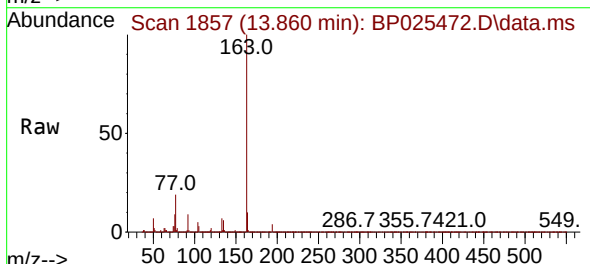
Instrument :
BNA_P
ClientSampleId :
PB169244BS

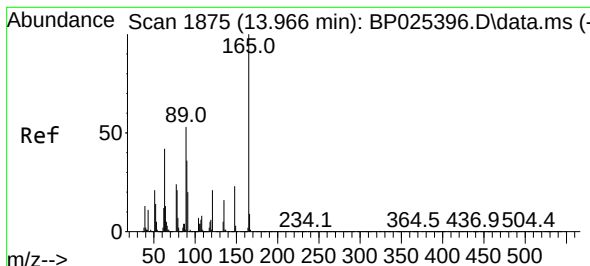
Tgt Ion:152 Resp: 1874575
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 13.0 10.6 15.8



#50
Dimethylphthalate
Concen: 48.478 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:163 Resp: 1476660
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.9 7.9 11.9

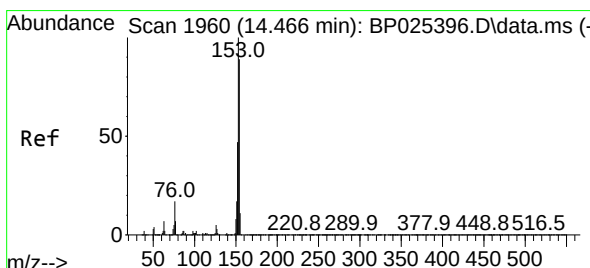
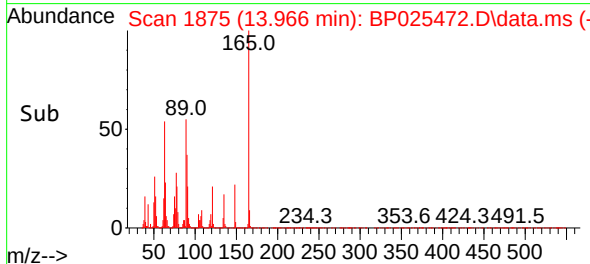
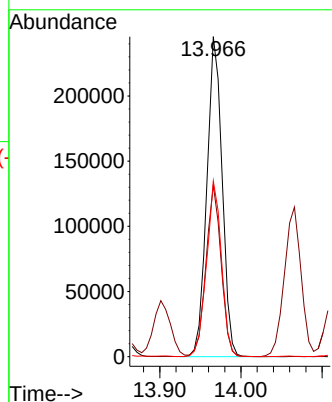
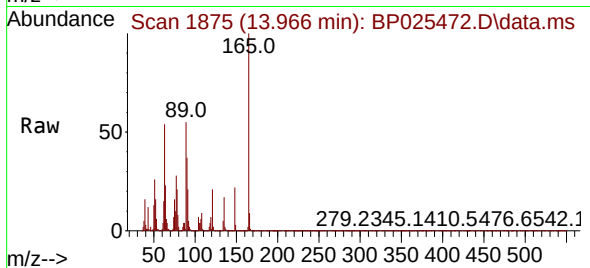




#51
2,6-Dinitrotoluene
Concen: 49.910 ng
RT: 13.966 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

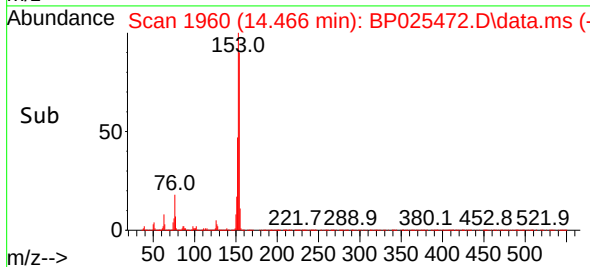
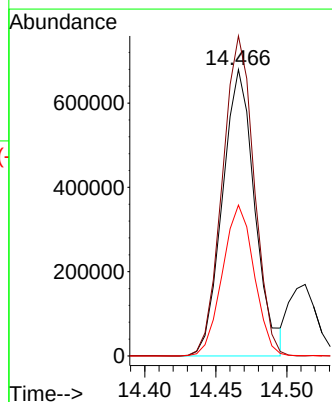
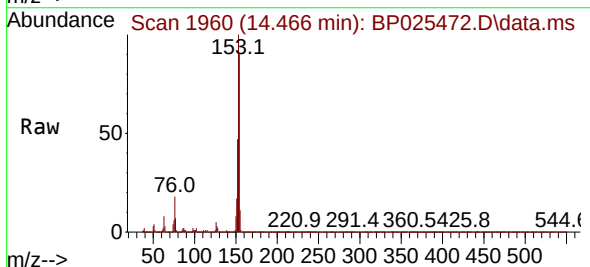
Instrument :
BNA_P
ClientSampleId :
PB169244BS

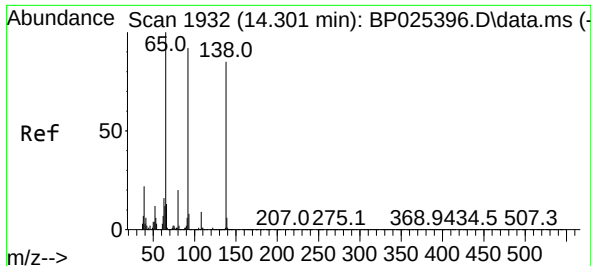
Tgt Ion:165 Resp: 320426
Ion Ratio Lower Upper
165 100
63 53.6 40.9 61.3
89 54.9 42.1 63.1



#52
Acenaphthene
Concen: 47.143 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:154 Resp: 1076858
Ion Ratio Lower Upper
154 100
153 111.7 90.2 135.2
152 52.7 42.1 63.1

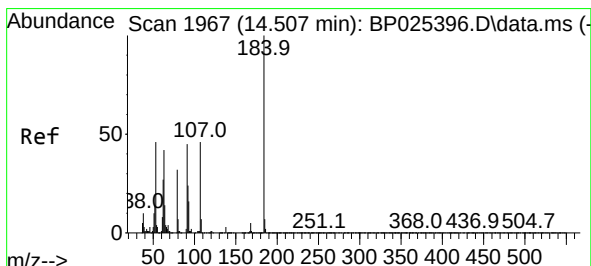
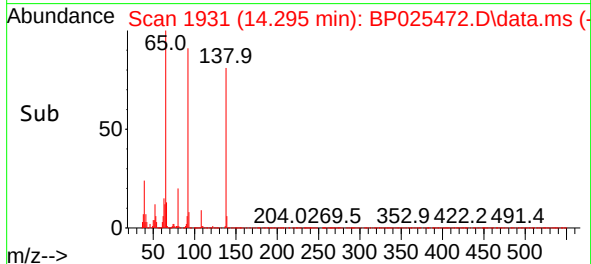
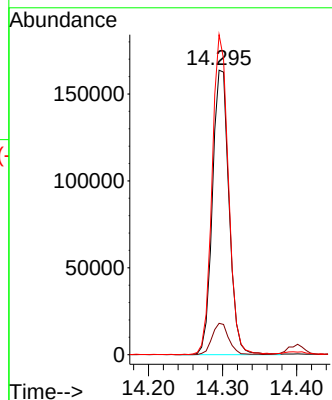
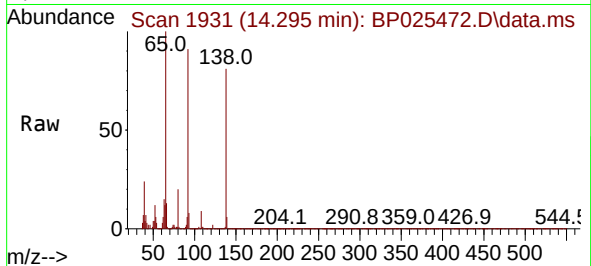




#53
3-Nitroaniline
Concen: 35.296 ng
RT: 14.295 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

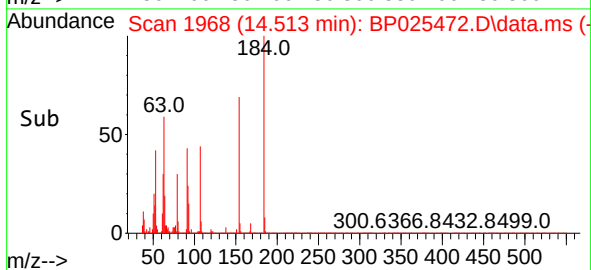
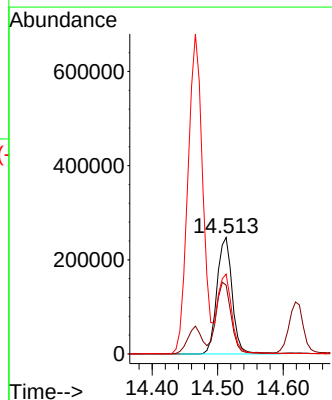
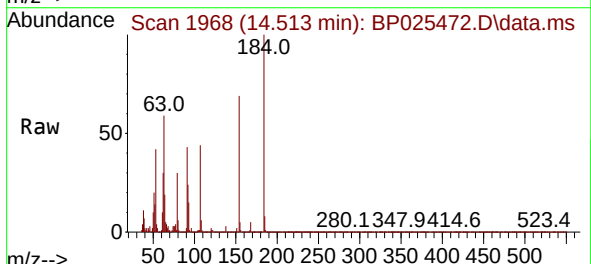
Instrument :
BNA_P
ClientSampleId :
PB169244BS

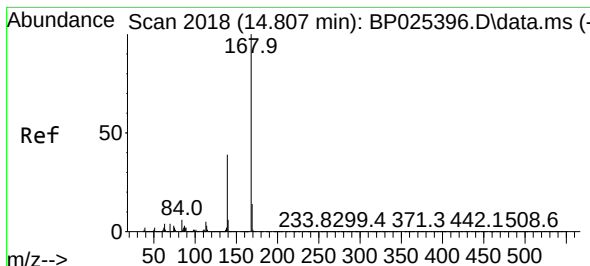
Tgt Ion:138 Resp: 254955
Ion Ratio Lower Upper
138 100
108 11.0 8.3 12.5
92 112.5 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 115.970 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:184 Resp: 397607
Ion Ratio Lower Upper
184 100
63 59.0 49.4 74.2
154 68.5 54.6 82.0

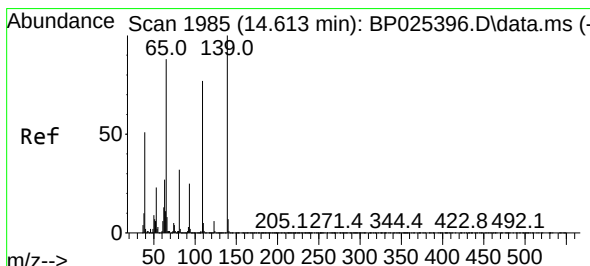
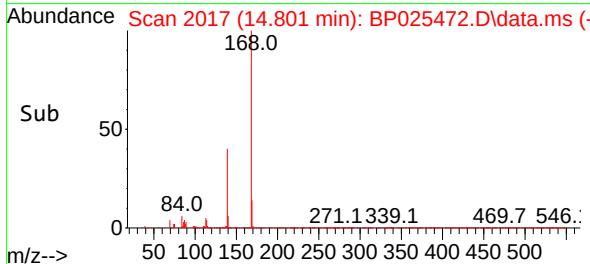
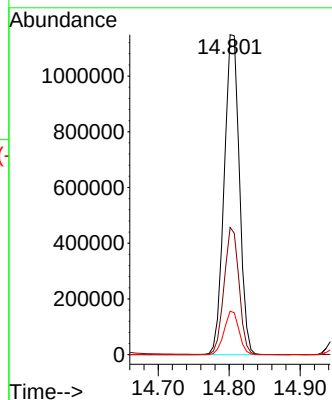
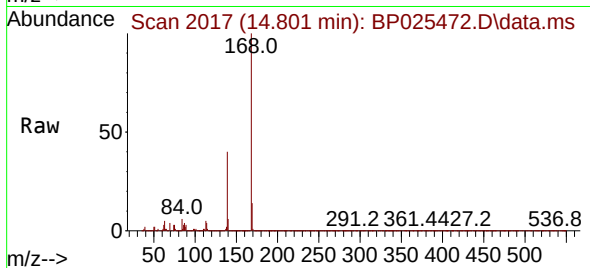




#55
Dibenzofuran
Concen: 47.161 ng
RT: 14.801 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

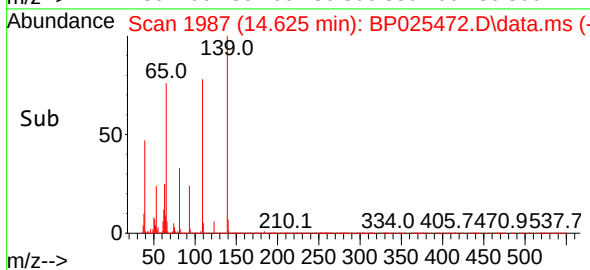
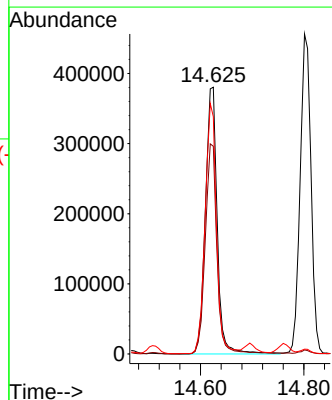
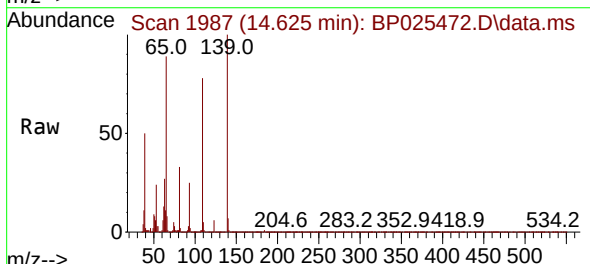
Instrument :
BNA_P
ClientSampleId :
PB169244BS

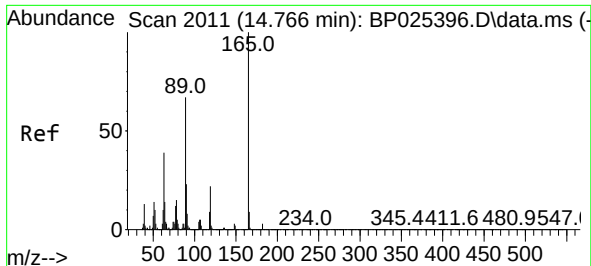
Tgt Ion:168 Resp: 1703170
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 101.946 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:139 Resp: 605113
Ion Ratio Lower Upper
139 100
109 77.8 56.6 96.6
65 89.0 68.2 108.2





#57

2,4-Dinitrotoluene

Concen: 51.727 ng

RT: 14.760 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:165 Resp: 473816

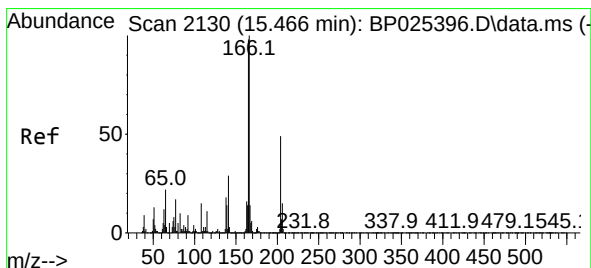
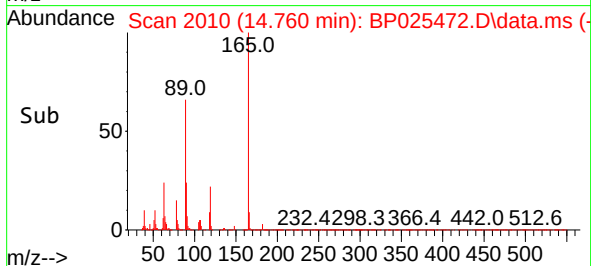
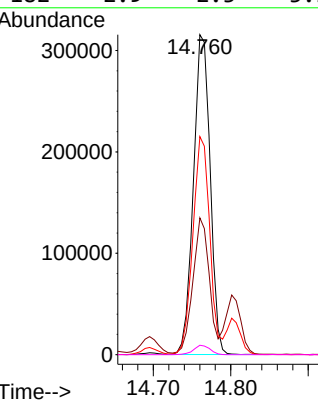
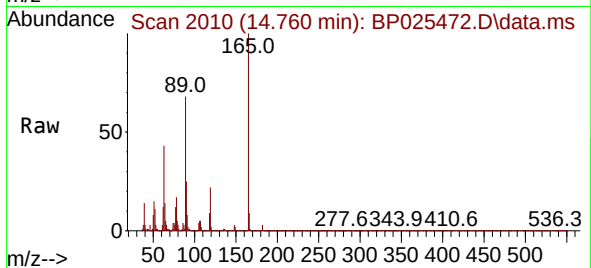
Ion Ratio Lower Upper

165 100

63 42.7 31.4 47.2

89 68.2 53.3 79.9

182 2.9 2.3 3.5



#58

Fluorene

Concen: 46.400 ng

RT: 15.460 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

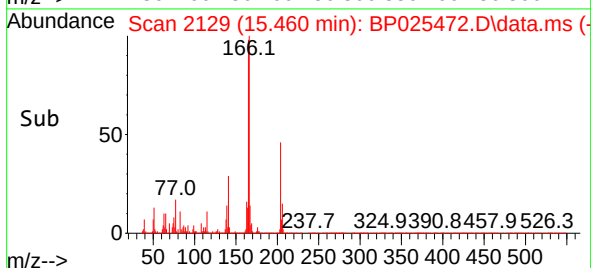
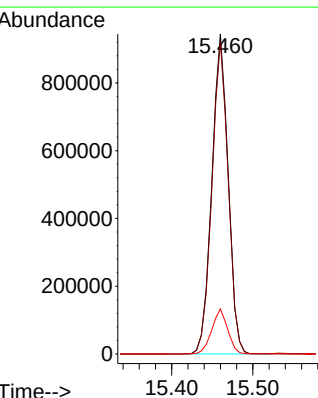
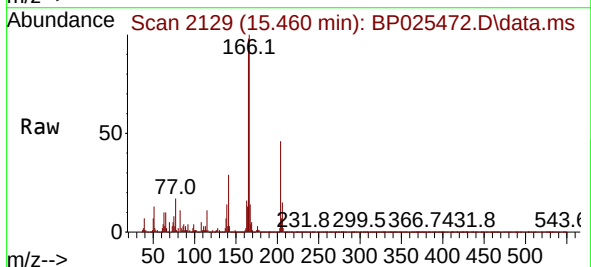
Tgt Ion:166 Resp: 1322243

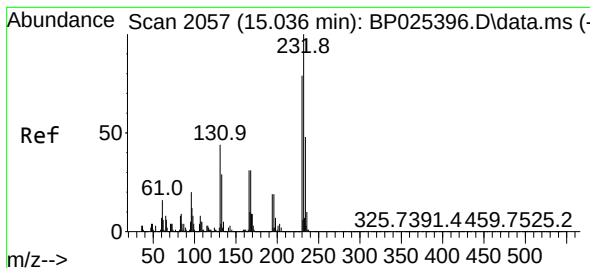
Ion Ratio Lower Upper

166 100

165 97.5 78.8 118.2

167 14.1 11.0 16.4



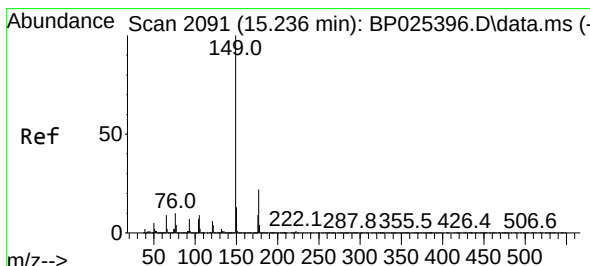
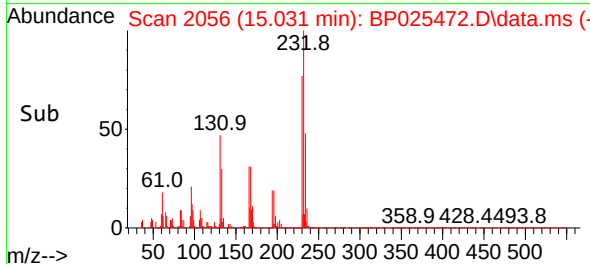
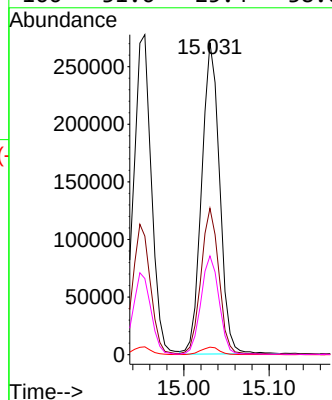
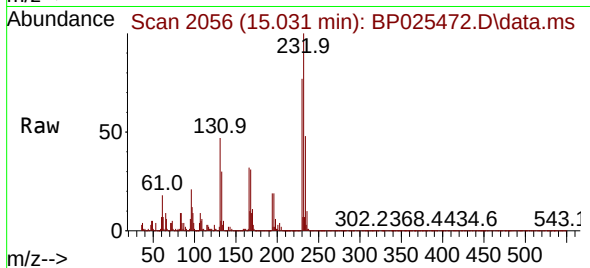


#59
2,3,4,6-Tetrachlorophenol
Concen: 50.551 ng
RT: 15.031 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Instrument :
BNA_P
ClientSampleId :
PB169244BS

Tgt Ion:232 Resp: 396757

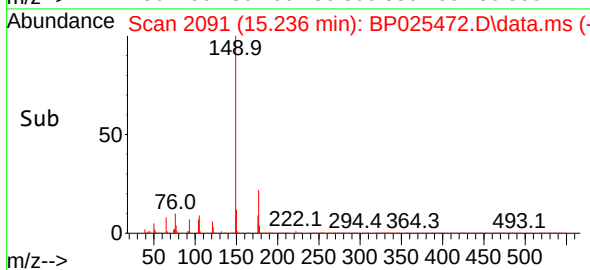
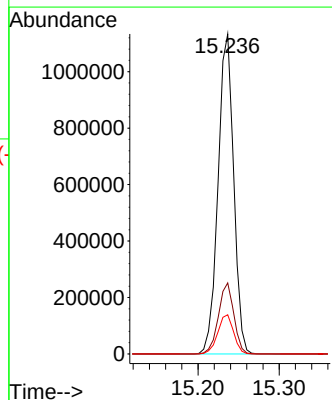
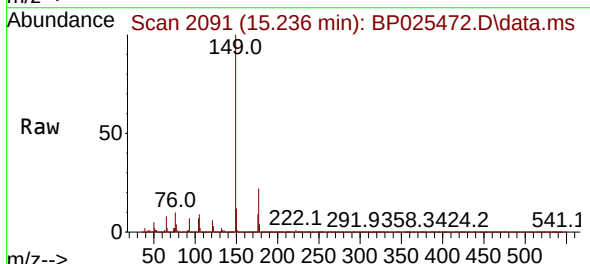
Ion	Ratio	Lower	Upper
232	100		
131	46.9	37.0	55.6
130	2.5	1.9	2.9
166	31.6	25.4	38.0

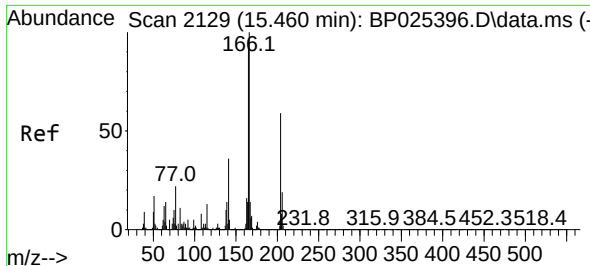


#60
Diethylphthalate
Concen: 49.036 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:149 Resp: 1517718

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.3	25.9
150	12.3	10.3	15.5

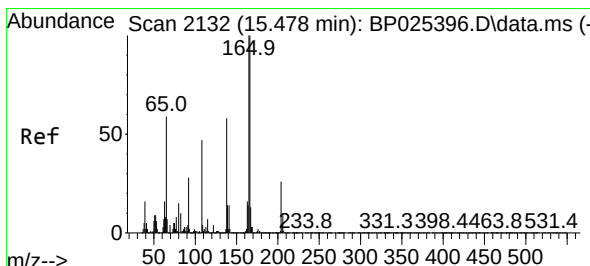
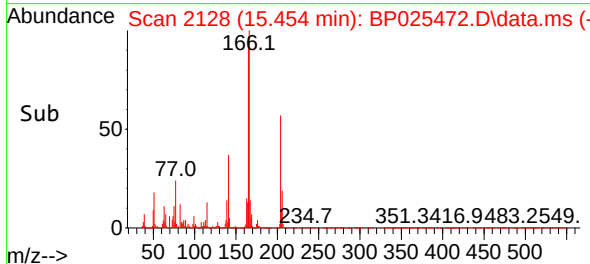
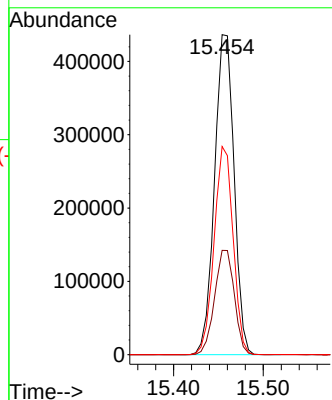
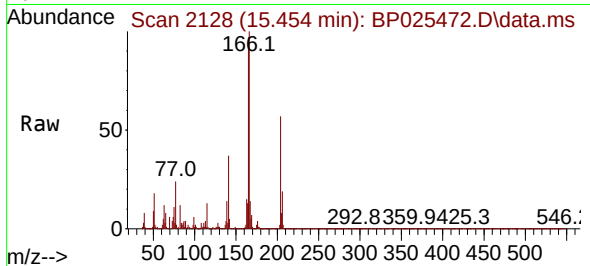




#61
4-Chlorophenyl-phenylether
Concen: 46.664 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

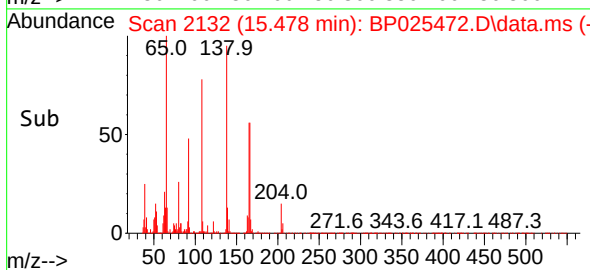
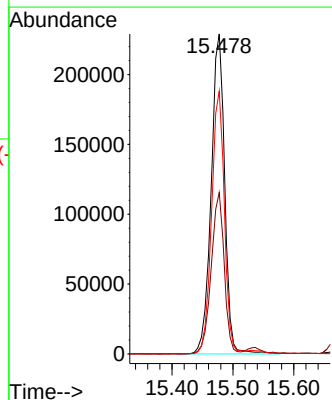
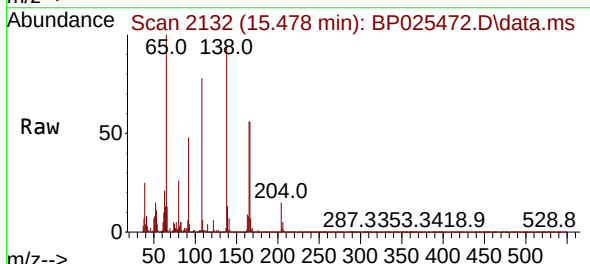
Instrument :
BNA_P
ClientSampleId :
PB169244BS

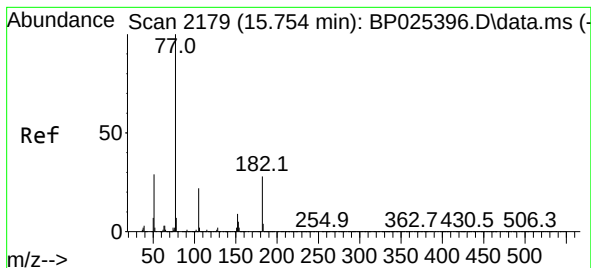
Tgt Ion:204 Resp: 661344
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.8
141 65.0 49.4 74.2



#62
4-Nitroaniline
Concen: 47.791 ng
RT: 15.478 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:138 Resp: 353899
Ion Ratio Lower Upper
138 100
92 50.5 29.1 69.1
108 82.2 61.5 101.5



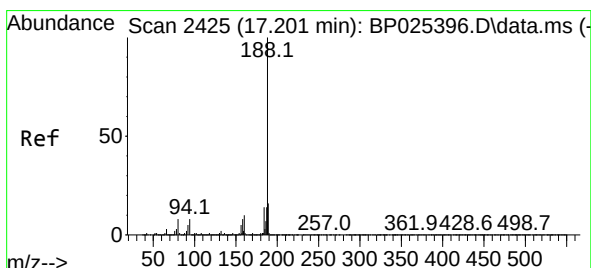
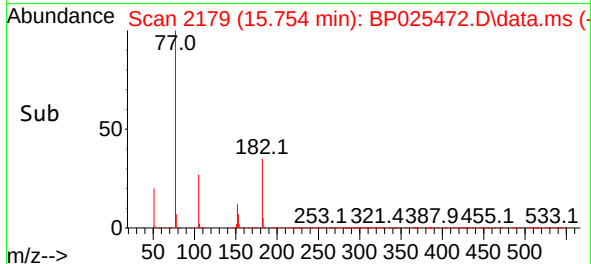
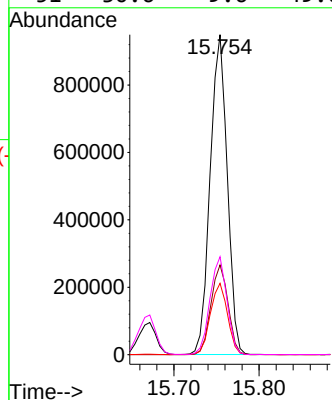
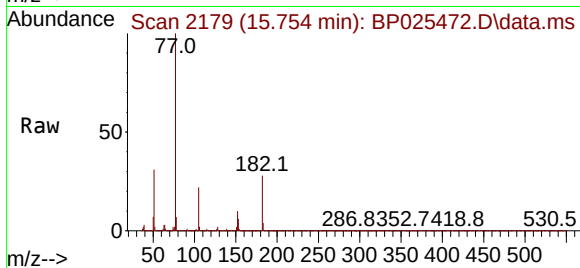


#63
Azobenzene
Concen: 49.891 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Instrument :
BNA_P
ClientSampleId :
PB169244BS

Tgt Ion: 77 Resp: 1322217

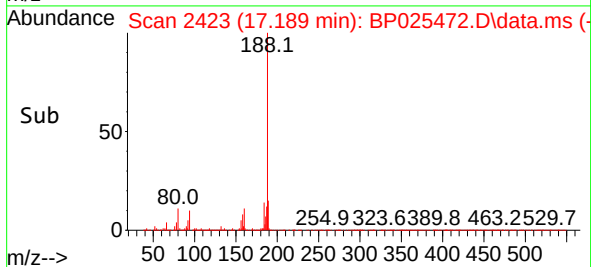
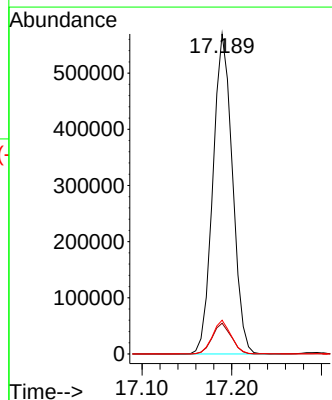
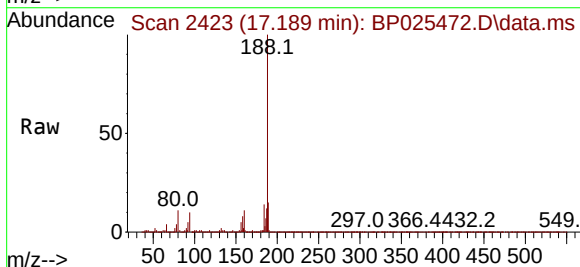
Ion	Ratio	Lower	Upper
77	100		
182	28.1	7.5	47.5
105	22.3	2.1	42.1
51	30.6	9.6	49.6

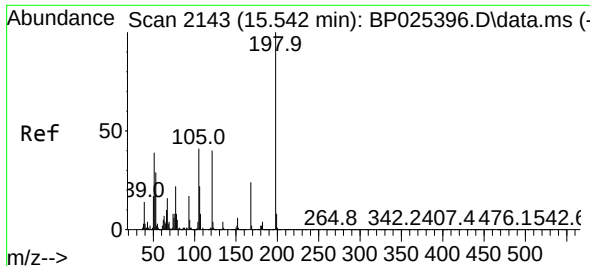


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion: 188 Resp: 862003

Ion	Ratio	Lower	Upper
188	100		
94	9.6	6.6	10.0
80	10.5	6.7	10.1

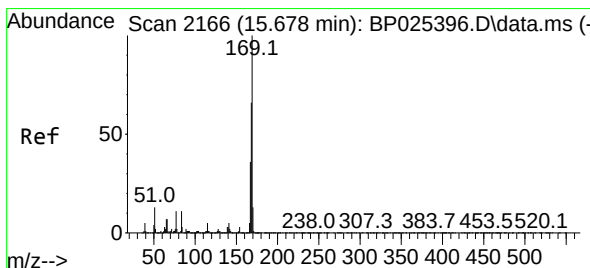
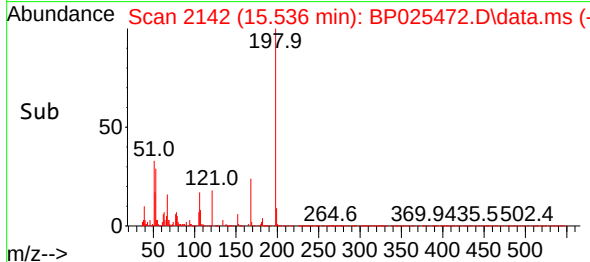
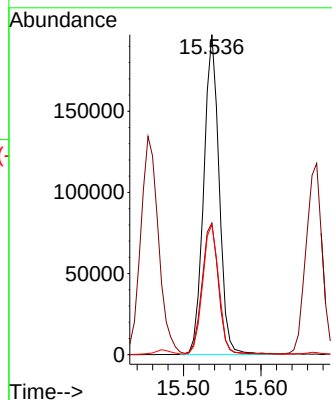
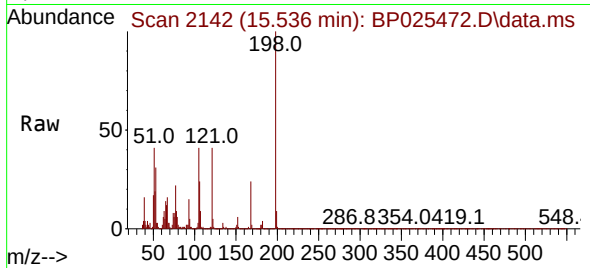




#65
4,6-Dinitro-2-methylphenol
Concen: 50.800 ng
RT: 15.536 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

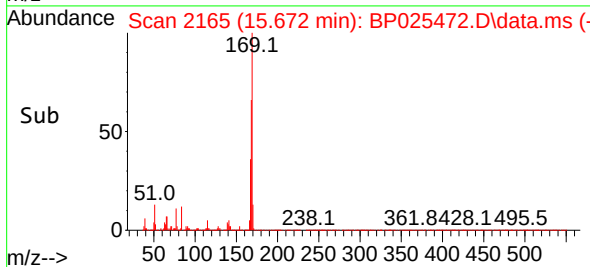
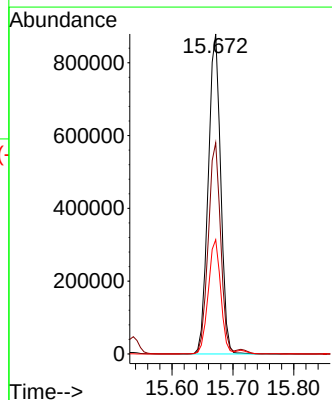
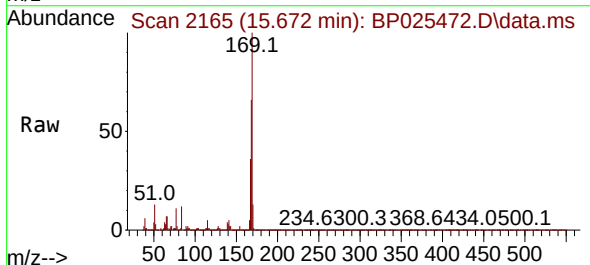
Instrument :
BNA_P
ClientSampleId :
PB169244BS

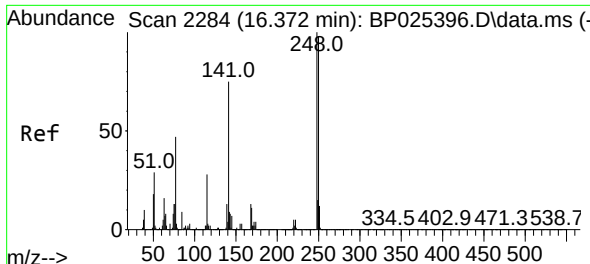
Tgt Ion:198 Resp: 272964
Ion Ratio Lower Upper
198 100
51 41.2 19.6 59.6
105 40.6 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 47.419 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:169 Resp: 1246458
Ion Ratio Lower Upper
169 100
168 66.0 53.2 79.8
167 35.7 28.7 43.1

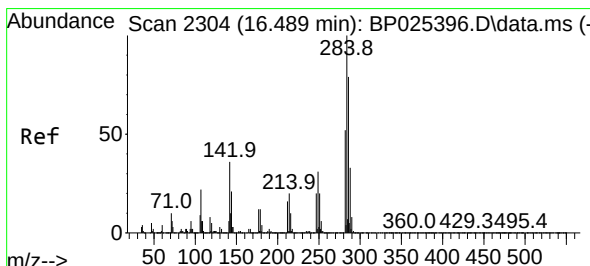
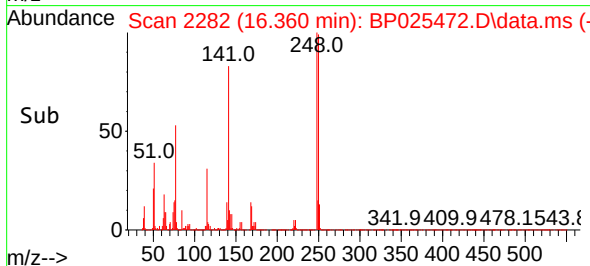
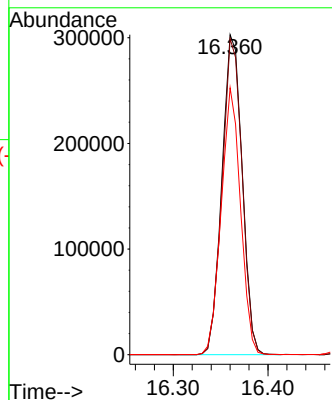
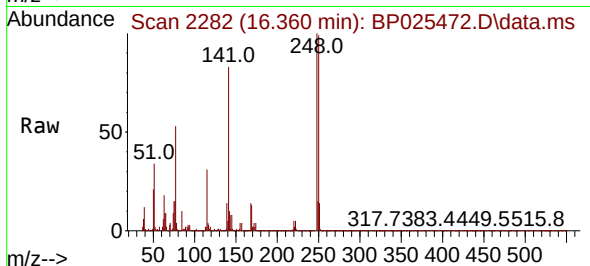




#67
4-Bromophenyl-phenylether
Concen: 47.618 ng
RT: 16.360 min Scan# 211
Delta R.T. -0.012 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

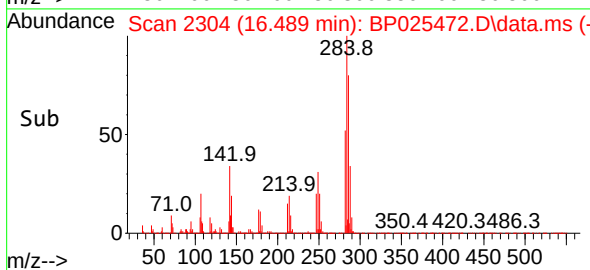
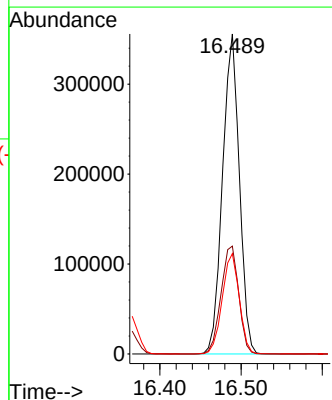
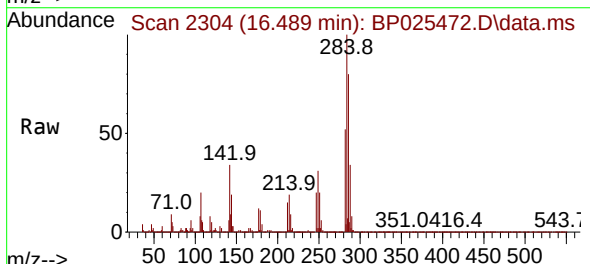
Instrument :
BNA_P
ClientSampleId :
PB169244BS

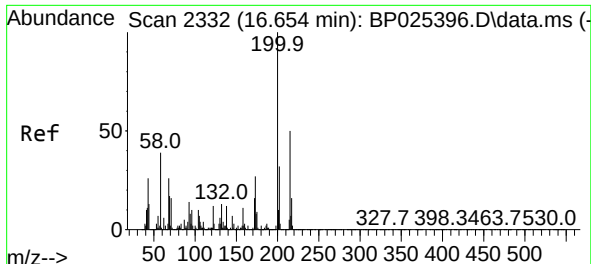
Tgt Ion:	248	Resp:	451437
Ion Ratio	Lower	Upper	
248	100		
250	98.8	78.2	117.2
141	83.4	59.6	89.4



#68
Hexachlorobenzene
Concen: 46.604 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:	284	Resp:	512163
Ion Ratio	Lower	Upper	
284	100		
142	33.7	29.1	43.7
249	31.3	25.0	37.4

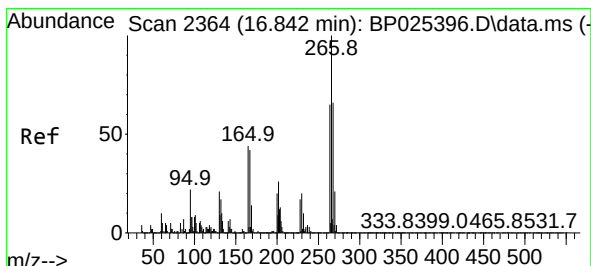
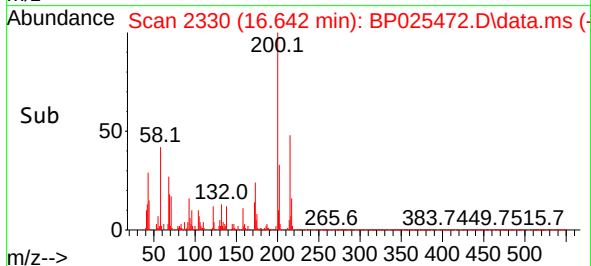
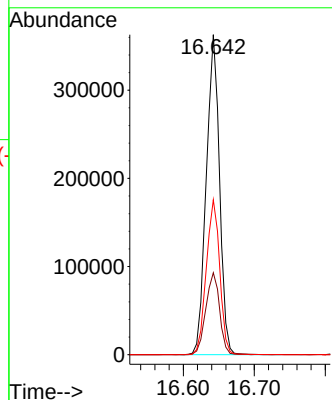
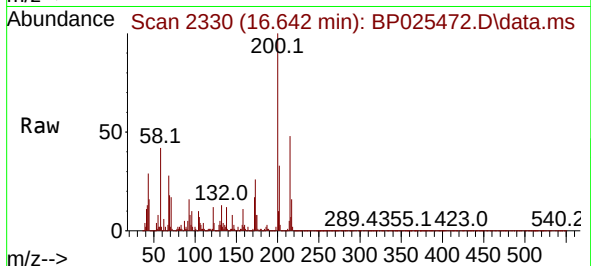




#69
 Atrazine
 Concen: 47.838 ng
 RT: 16.642 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP025472.D
 Acq: 19 Aug 2025 12:06

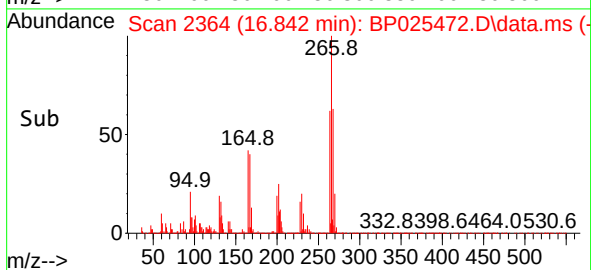
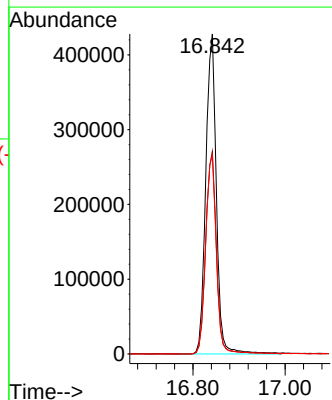
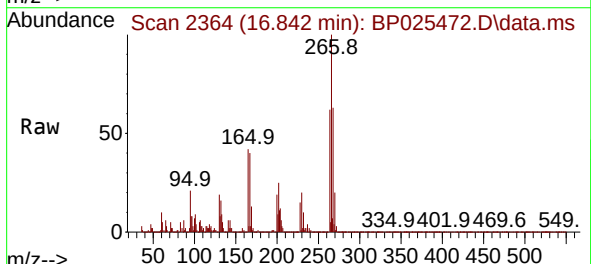
Instrument :
 BNA_P
 ClientSampleId :
 PB169244BS

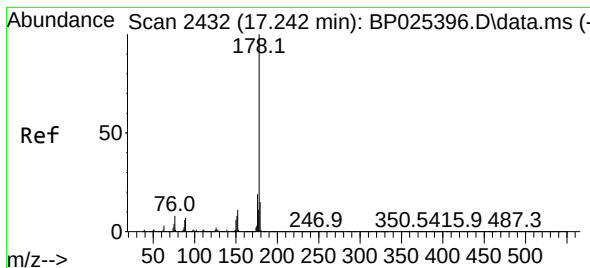
Tgt Ion:200 Resp: 470922
 Ion Ratio Lower Upper
 200 100
 173 25.6 6.7 46.7
 215 48.4 29.7 69.7



#70
 Pentachlorophenol
 Concen: 99.034 ng
 RT: 16.842 min Scan# 2364
 Delta R.T. 0.000 min
 Lab File: BP025472.D
 Acq: 19 Aug 2025 12:06

Tgt Ion:266 Resp: 687032
 Ion Ratio Lower Upper
 266 100
 268 63.2 52.6 79.0
 264 62.2 52.0 78.0





#71

Phenanthrene

Concen: 47.585 ng

RT: 17.236 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

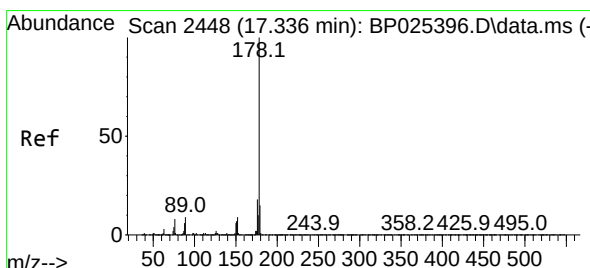
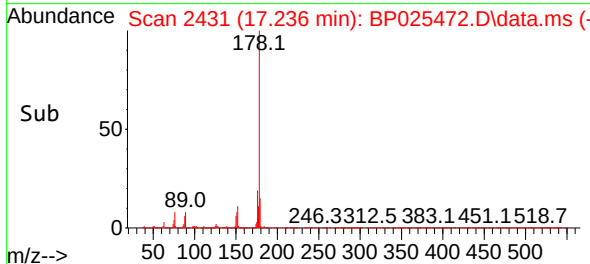
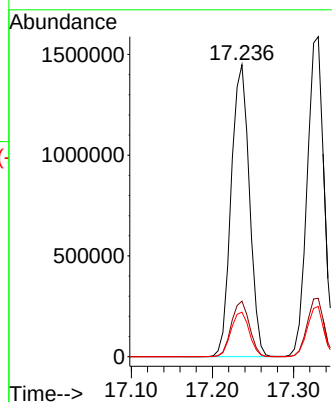
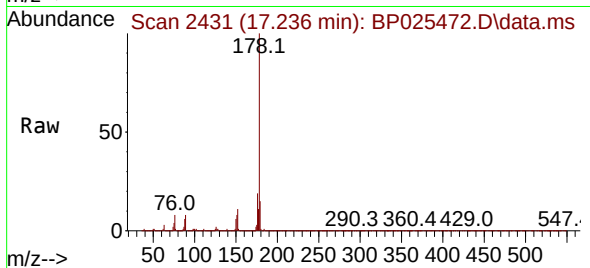
Tgt Ion:178 Resp: 2253291

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.2 12.2 18.4



#72

Anthracene

Concen: 47.239 ng

RT: 17.330 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

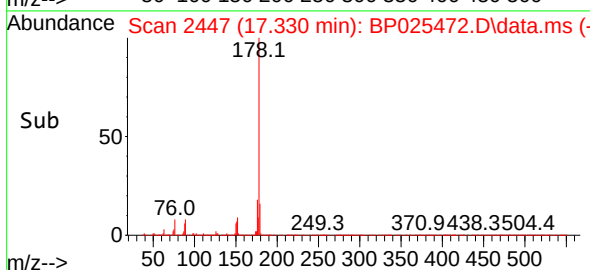
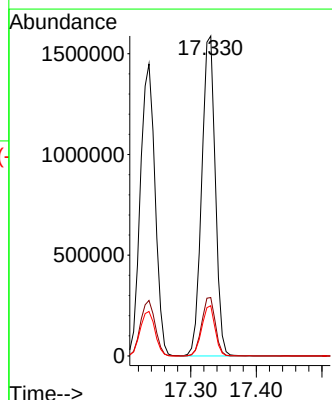
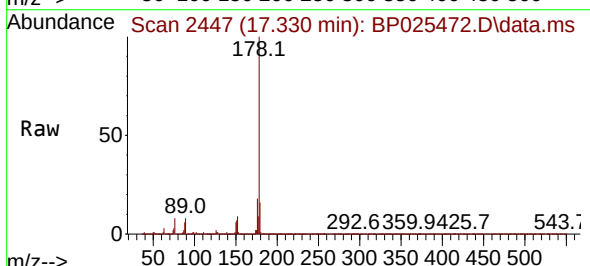
Tgt Ion:178 Resp: 2284335

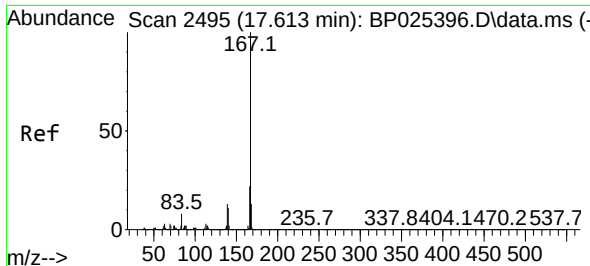
Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 15.7 12.2 18.2

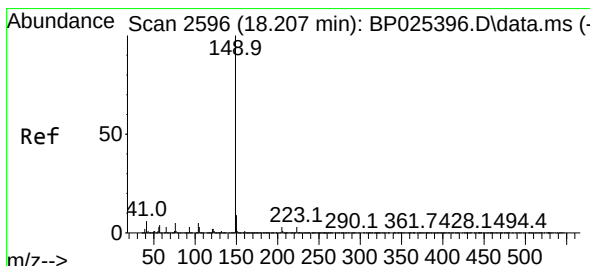
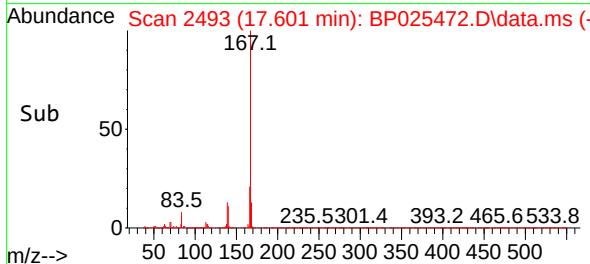
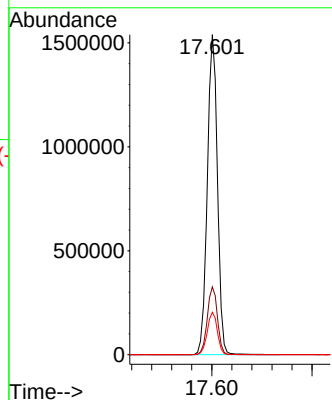
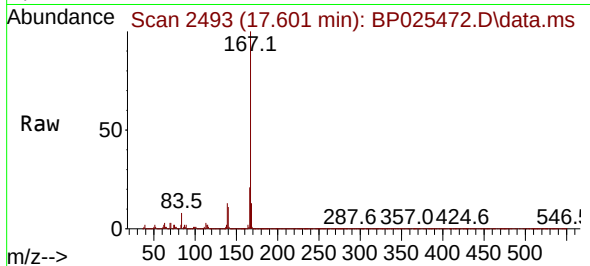




#73
 Carbazole
 Concen: 47.324 ng
 RT: 17.601 min Scan# 2495
 Delta R.T. -0.012 min
 Lab File: BP025472.D
 Acq: 19 Aug 2025 12:06

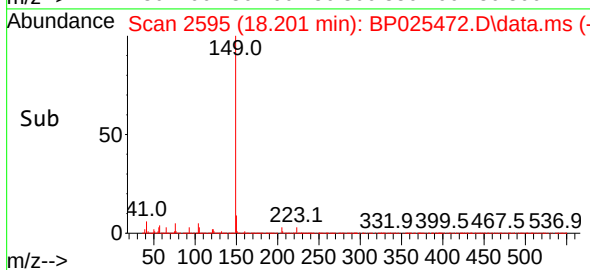
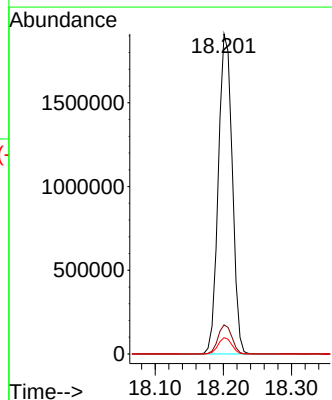
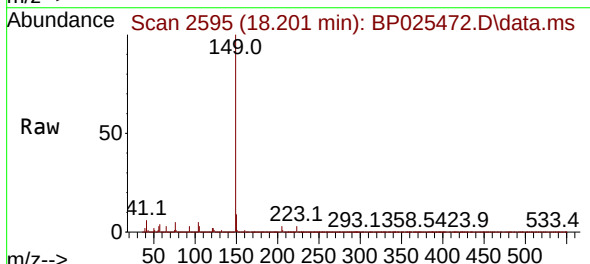
Instrument :
 BNA_P
 ClientSampleId :
 PB169244BS

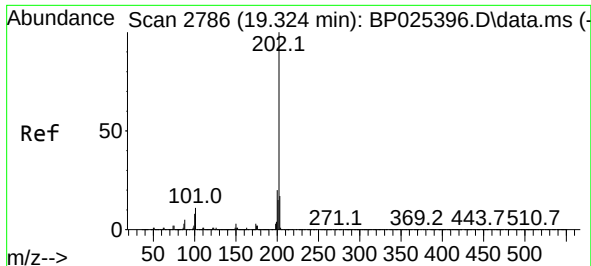
Tgt Ion:167 Resp: 2155496
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.5 26.3
 139 13.2 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 48.416 ng
 RT: 18.201 min Scan# 2595
 Delta R.T. -0.006 min
 Lab File: BP025472.D
 Acq: 19 Aug 2025 12:06

Tgt Ion:149 Resp: 2713180
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.1 4.2 6.2

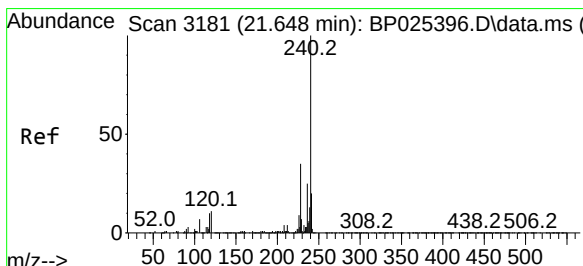
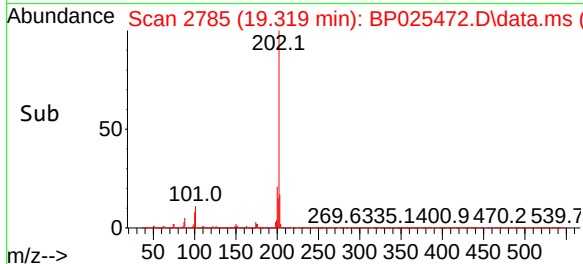
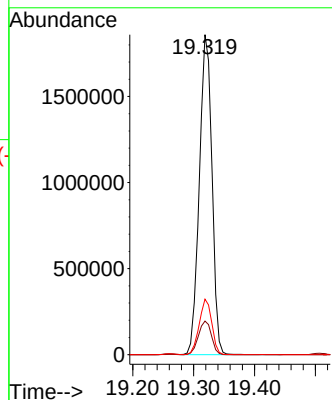
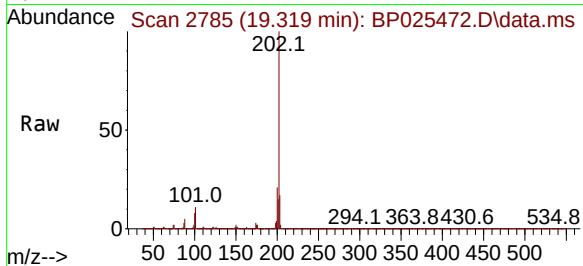




#75
Fluoranthene
Concen: 47.361 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

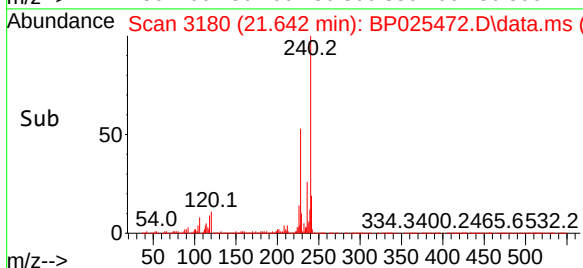
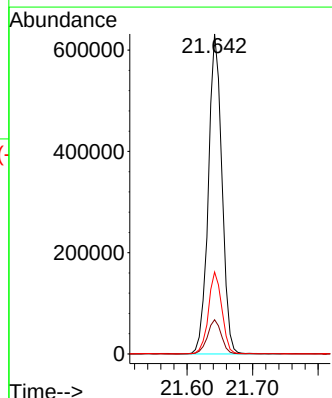
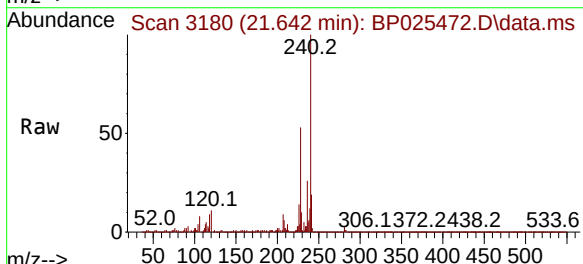
Instrument :
BNA_P
ClientSampleId :
PB169244BS

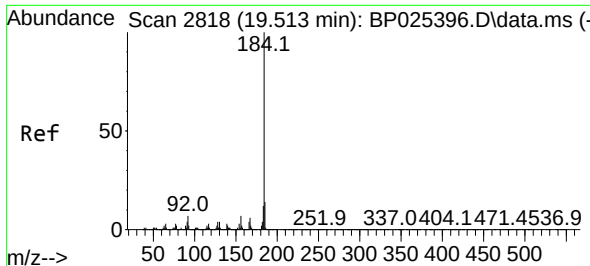
Tgt Ion:202 Resp: 2675123
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:240 Resp: 910554
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.6 19.8 29.8

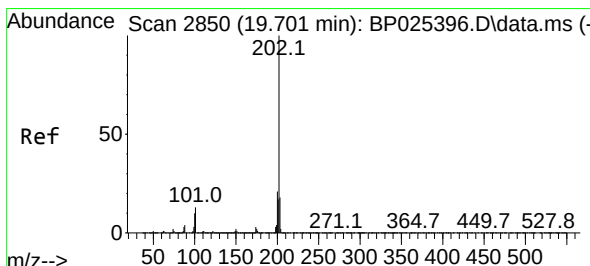
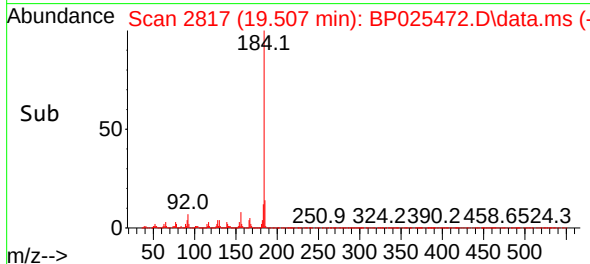
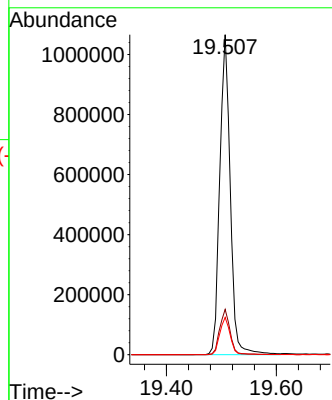
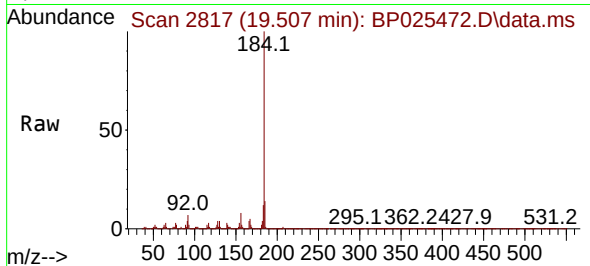




#77
Benzidine
Concen: 45.479 ng
RT: 19.507 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

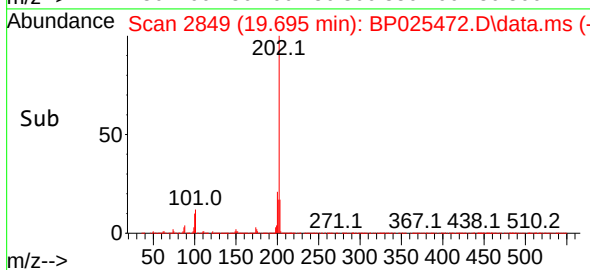
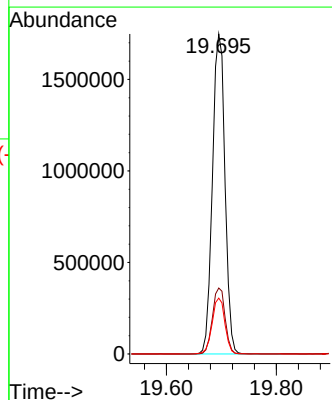
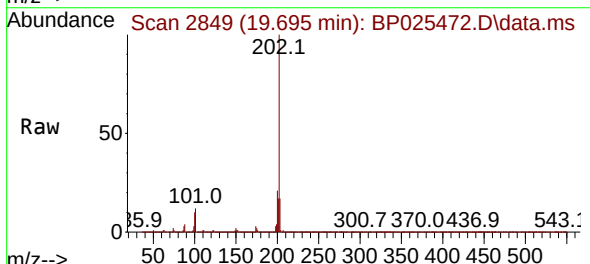
Instrument :
BNA_P
ClientSampleId :
PB169244BS

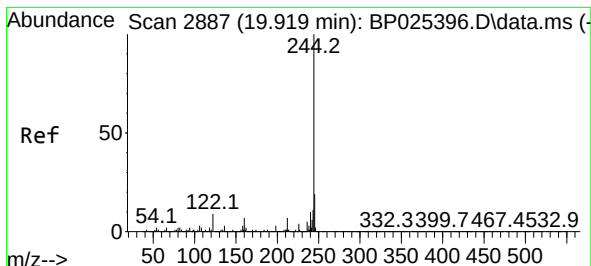
Tgt Ion:184 Resp: 1413258
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 11.7 9.4 14.2



#78
Pyrene
Concen: 46.671 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:202 Resp: 2762164
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 81.923 ng

RT: 19.907 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

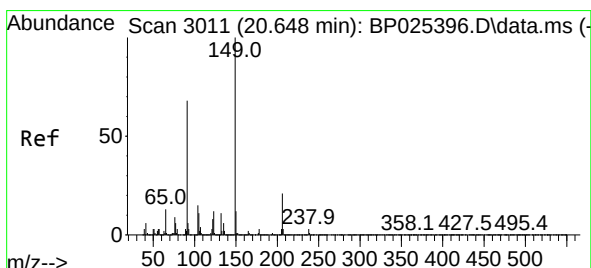
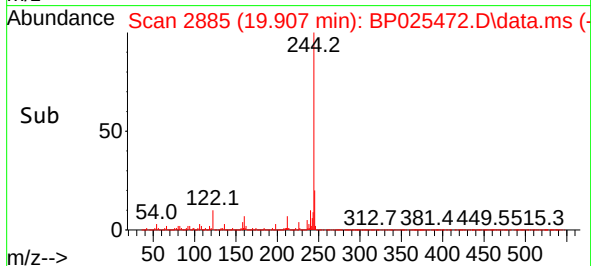
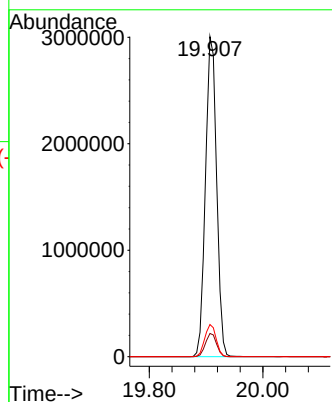
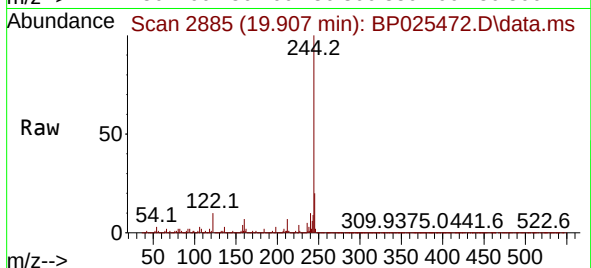
BNA_P

ClientSampleId :

PB169244BS

Tgt Ion:244 Resp: 4077204

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	10.1	7.4	11.2



#80

Butylbenzylphthalate

Concen: 48.400 ng

RT: 20.642 min Scan# 3010

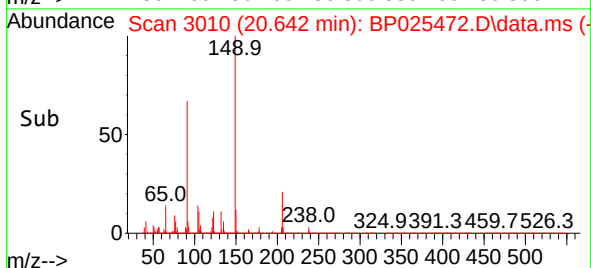
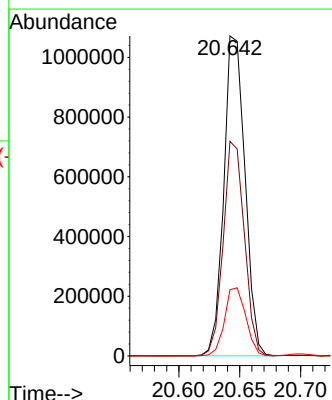
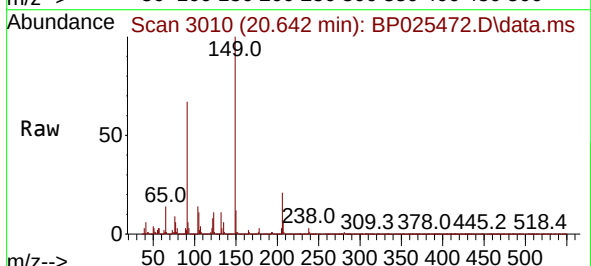
Delta R.T. -0.006 min

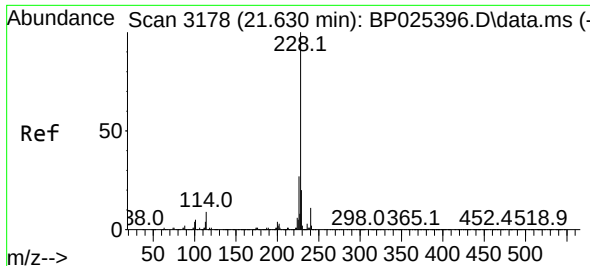
Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Tgt Ion:149 Resp: 1298221

Ion	Ratio	Lower	Upper
149	100		
91	67.1	54.2	81.2
206	20.7	16.6	24.8

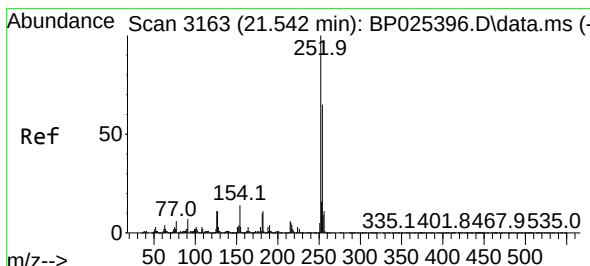
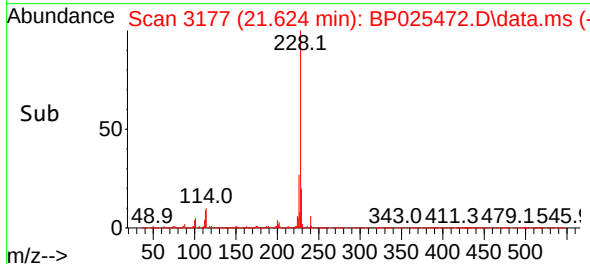
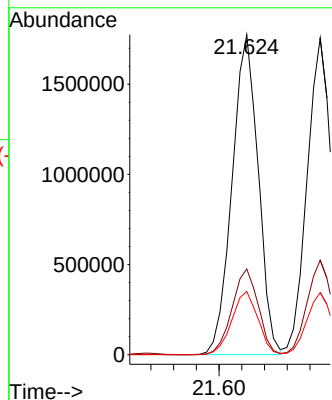
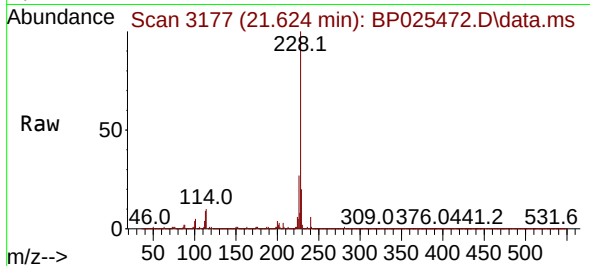




#81
Benzo(a)anthracene
Concen: 47.200 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

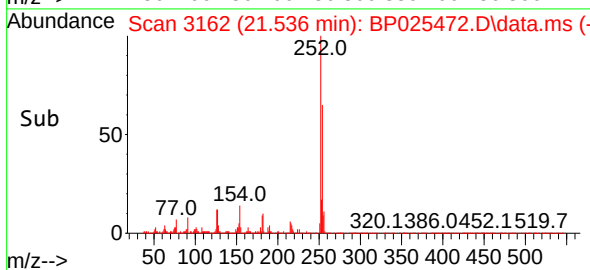
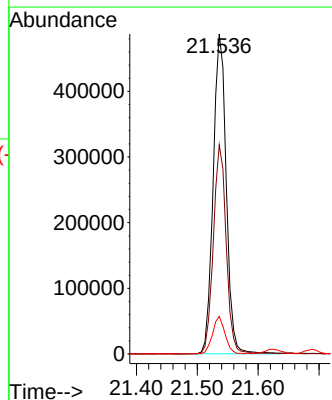
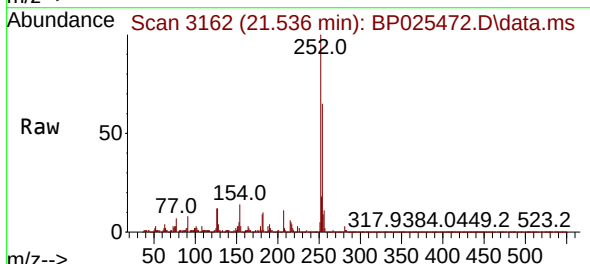
Instrument :
BNA_P
ClientSampleId :
PB169244BS

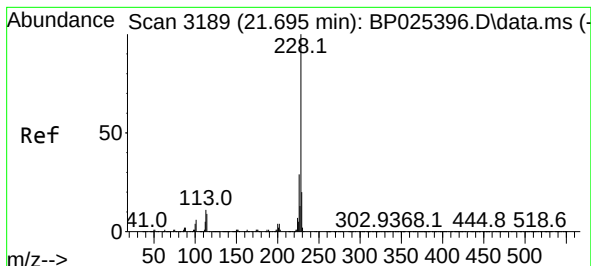
Tgt Ion:228 Resp: 2834413
Ion Ratio Lower Upper
228 100
226 26.8 21.7 32.5
229 19.8 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 32.152 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:252 Resp: 727758
Ion Ratio Lower Upper
252 100
254 65.3 51.8 77.6
126 11.8 9.1 13.7





#83

Chrysene

Concen: 47.032 ng

RT: 21.689 min Scan# 3188

Delta R.T. -0.006 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

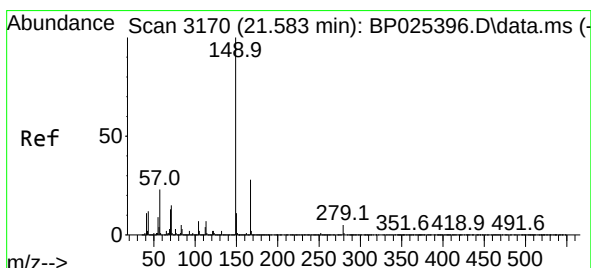
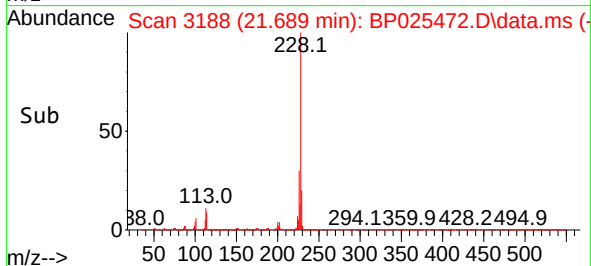
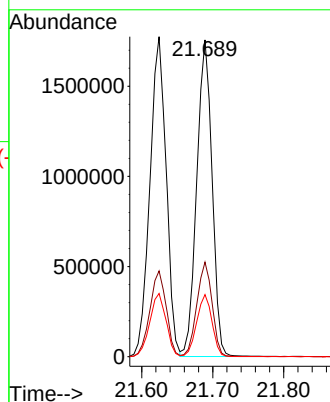
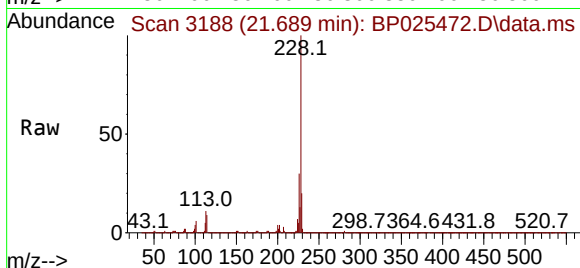
Tgt Ion:228 Resp: 2644963

Ion Ratio Lower Upper

228 100

226 29.9 23.2 34.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.043 ng

RT: 21.566 min Scan# 3167

Delta R.T. -0.018 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

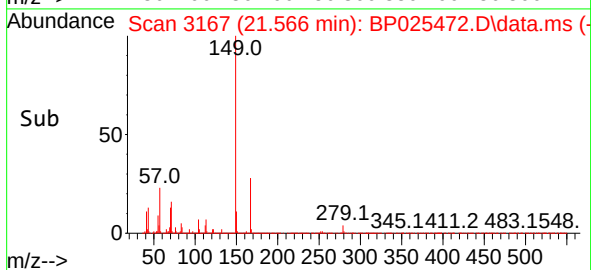
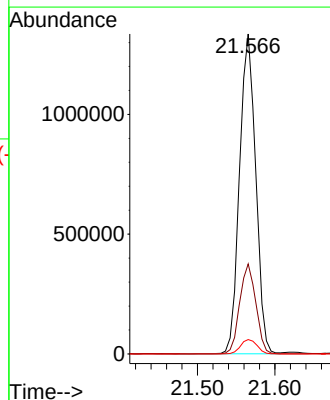
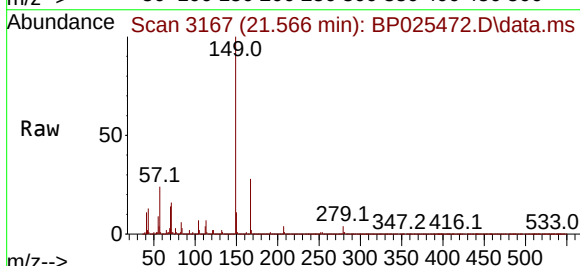
Tgt Ion:149 Resp: 1936416

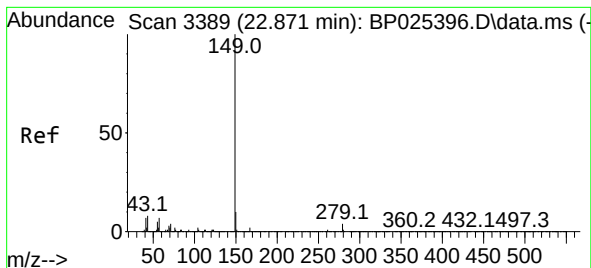
Ion Ratio Lower Upper

149 100

167 28.2 22.1 33.1

279 4.5 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 50.612 ng

RT: 22.854 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

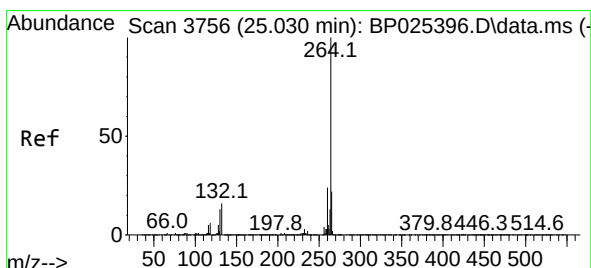
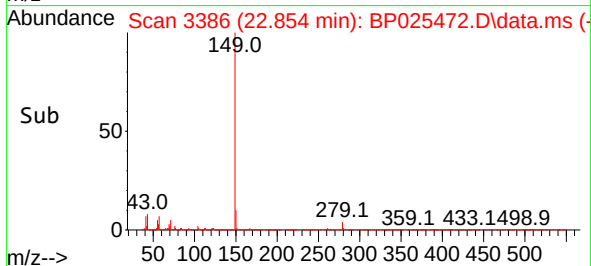
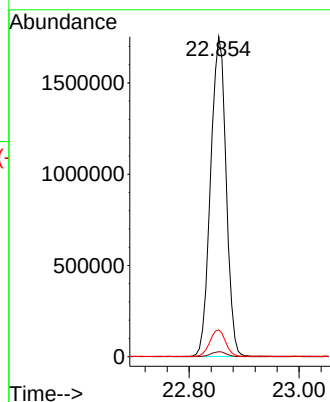
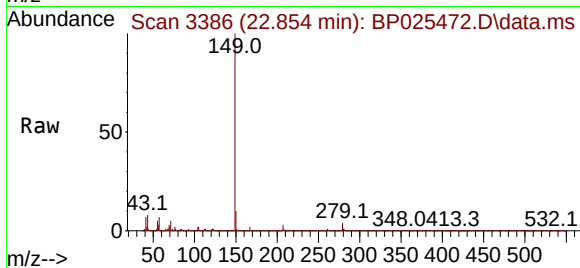
Tgt Ion:149 Resp: 3437312

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.3 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.001 min Scan# 3751

Delta R.T. -0.029 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

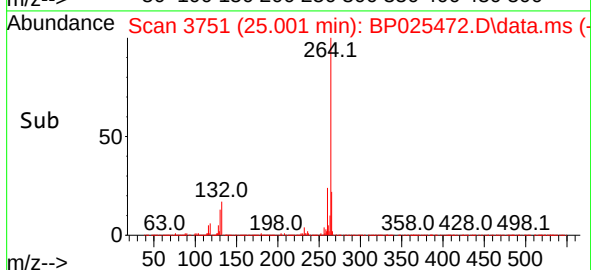
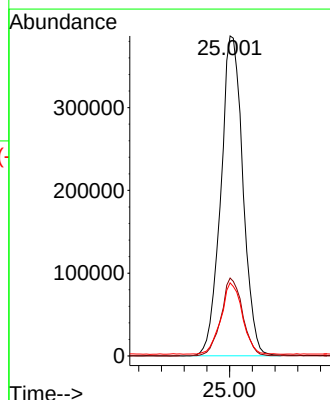
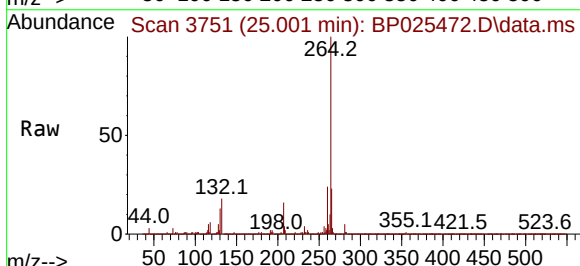
Tgt Ion:264 Resp: 1045081

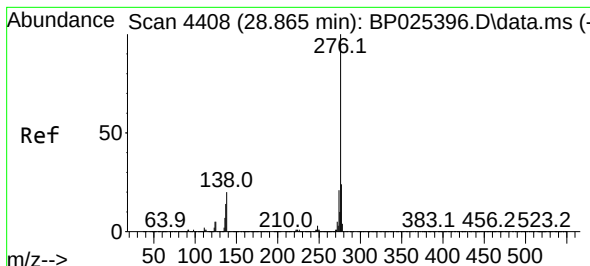
Ion Ratio Lower Upper

264 100

260 24.4 19.3 28.9

265 22.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.670 ng

RT: 28.842 min Scan# 4404

Delta R.T. -0.024 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

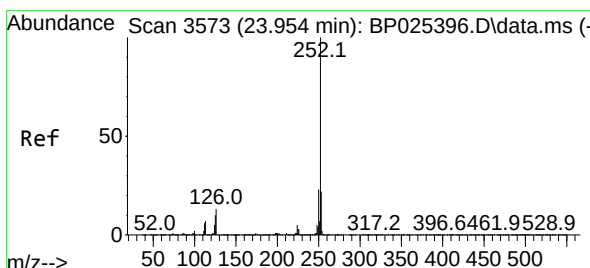
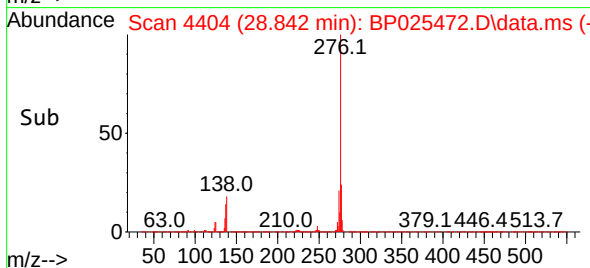
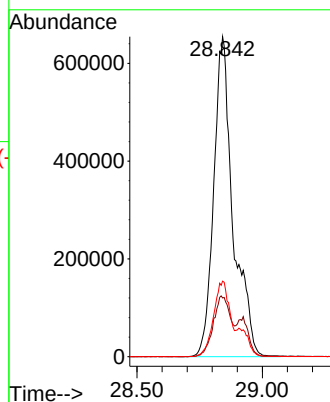
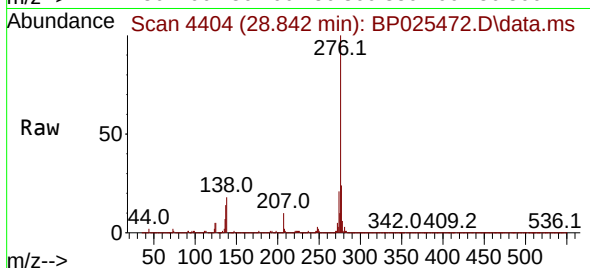
Tgt Ion:276 Resp: 3500214

Ion Ratio Lower Upper

276 100

138 16.9 12.9 19.3

277 20.2 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 48.351 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

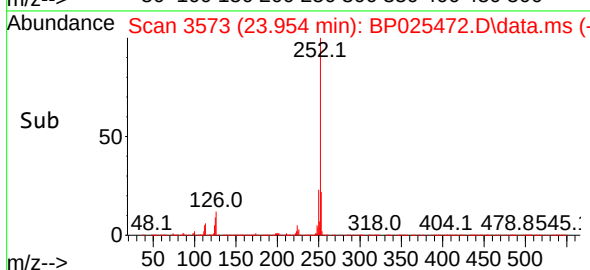
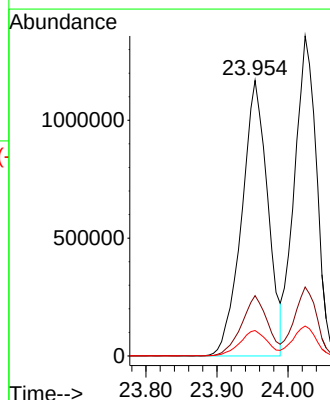
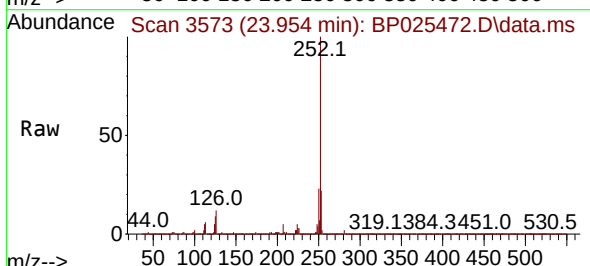
Tgt Ion:252 Resp: 2979641

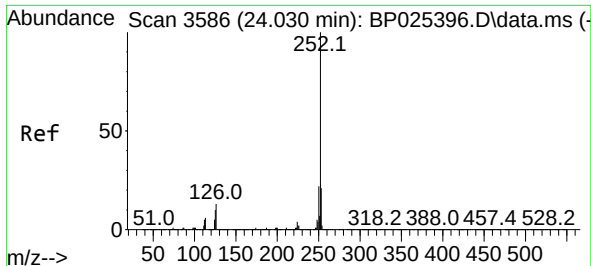
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 9.3 7.9 11.9

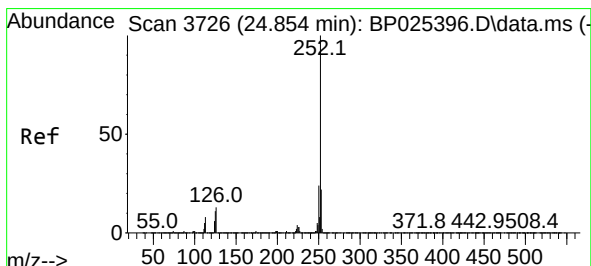
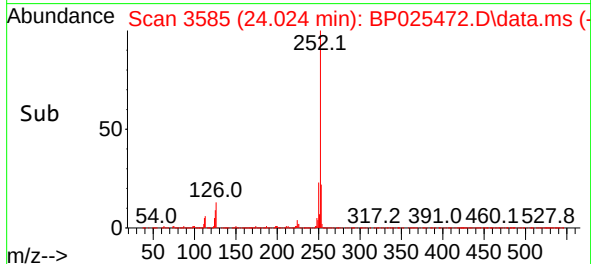
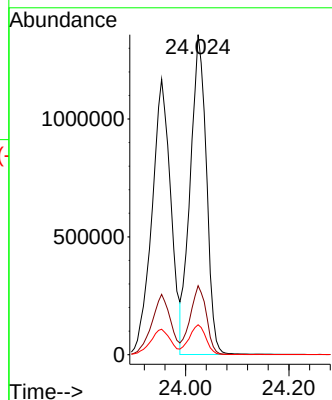
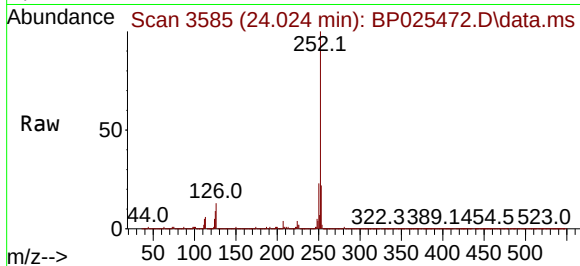




#89
Benzo(k)fluoranthene
Concen: 47.686 ng
RT: 24.024 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

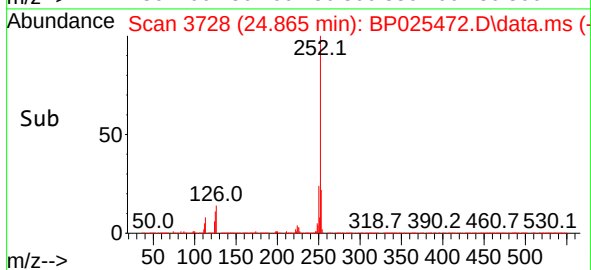
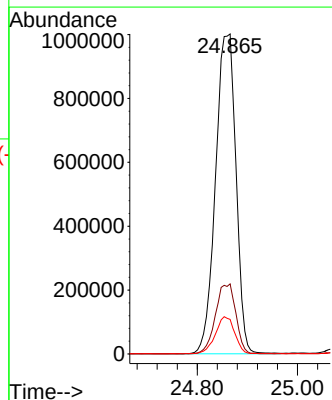
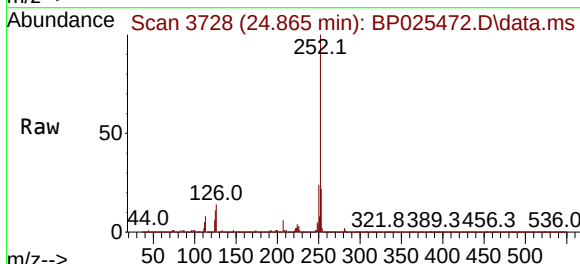
Instrument :
BNA_P
ClientSampleId :
PB169244BS

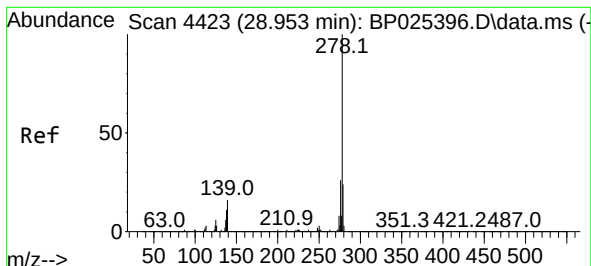
Tgt Ion:252 Resp: 2940688
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 9.4 7.8 11.6



#90
Benzo(a)pyrene
Concen: 47.279 ng
RT: 24.865 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025472.D
Acq: 19 Aug 2025 12:06

Tgt Ion:252 Resp: 2836165
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.8 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 45.967 ng

RT: 28.924 min Scan# 4418

Delta R.T. -0.029 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

Instrument :

BNA_P

ClientSampleId :

PB169244BS

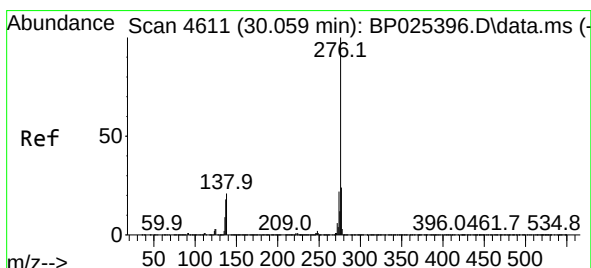
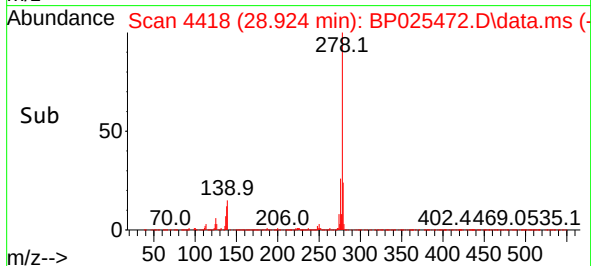
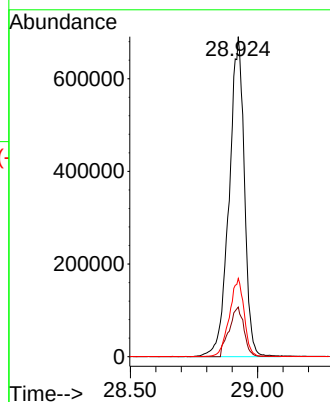
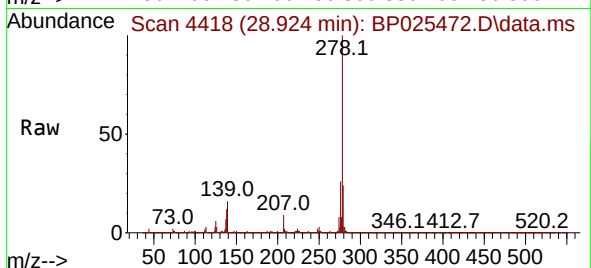
Tgt Ion:278 Resp: 2878994

Ion Ratio Lower Upper

278 100

139 15.5 13.0 19.4

279 24.5 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 45.636 ng

RT: 30.030 min Scan# 4606

Delta R.T. -0.029 min

Lab File: BP025472.D

Acq: 19 Aug 2025 12:06

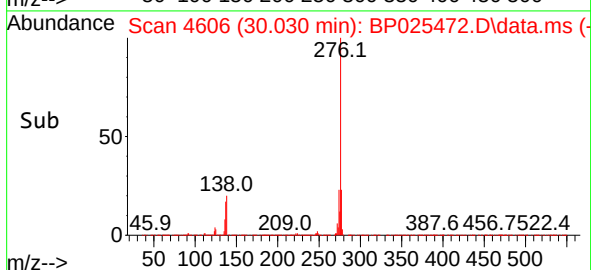
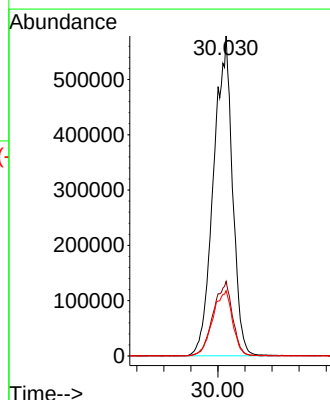
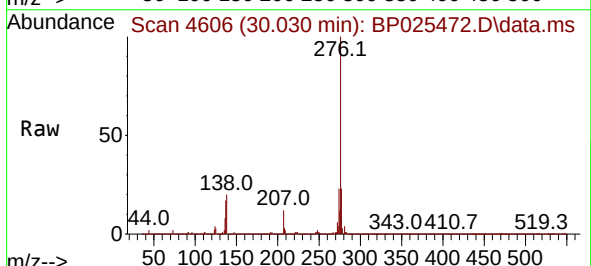
Tgt Ion:276 Resp: 2809647

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 20.4 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025473.D
 Acq On : 19 Aug 2025 12:47
 Operator : CG/JU
 Sample : PB169244BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169244BSD

Quant Time: Aug 19 13:10:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	172374	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	704478	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	488785	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	1043571	20.000	ng	0.00
76) Chrysene-d12	21.654	240	1070063	20.000	ng	0.00
86) Perylene-d12	25.030	264	1176738	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1466573	141.294	ng	0.00
7) Phenol-d6	6.972	99	1870146	140.533	ng	0.00
23) Nitrobenzene-d5	8.931	82	1177998	84.587	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	948405	144.154	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2831786	79.179	ng	0.00
79) Terphenyl-d14	19.925	244	4922368	84.162	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	158108	38.889	ng	99
3) Pyridine	3.726	79	436550	39.230	ng	97
4) n-Nitrosodimethylamine	3.631	42	221517	48.284	ng	97
6) Aniline	7.119	93	672688	37.518	ng	99
8) 2-Chlorophenol	7.367	128	584248	49.881	ng	100
9) Benzaldehyde	6.937	77	263740	28.288	ng	98
10) Phenol	6.996	94	701844	50.262	ng	99
11) bis(2-Chloroethyl)ether	7.214	93	510577	46.912	ng	99
12) 1,3-Dichlorobenzene	7.684	146	601240	46.552	ng	99
13) 1,4-Dichlorobenzene	7.825	146	610323	46.233	ng	100
14) 1,2-Dichlorobenzene	8.137	146	589005	46.093	ng	99
15) Benzyl Alcohol	8.025	79	504404	47.704	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.308	45	689083	47.263	ng	98
17) 2-Methylphenol	8.225	107	482348	49.736	ng	99
18) Hexachloroethane	8.861	117	227208	46.811	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	393822	44.678	ng	98
20) 3+4-Methylphenols	8.549	107	660509	49.134	ng	97
22) Acetophenone	8.596	105	819556	46.389	ng	# 99
24) Nitrobenzene	8.972	77	591064	47.489	ng	99
25) Isophorone	9.496	82	1134513	46.032	ng	98
26) 2-Nitrophenol	9.678	139	314959	49.309	ng	97
27) 2,4-Dimethylphenol	9.737	122	558293	50.825	ng	100
28) bis(2-Chloroethoxy)met...	9.966	93	698931	46.914	ng	98
29) 2,4-Dichlorophenol	10.208	162	564908	51.769	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	553924	46.307	ng	99
31) Naphthalene	10.608	128	1710559	46.717	ng	99
32) Benzoic acid	9.896	122	439462	54.190	ng	98
33) 4-Chloroaniline	10.708	127	440457	27.233	ng	99
34) Hexachlorobutadiene	10.896	225	342743	46.008	ng	98
35) Caprolactam	11.502	113	182006	45.487	ng	93
36) 4-Chloro-3-methylphenol	11.837	107	646361	51.621	ng	99
37) 2-Methylnaphthalene	12.213	142	1107270	46.469	ng	100
38) 1-Methylnaphthalene	12.431	142	1168249	46.102	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	626241	44.362	ng	99
41) Hexachlorocyclopentadiene	12.566	237	771660	90.496	ng	98
43) 2,4,6-Trichlorophenol	12.825	196	479514	50.315	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025473.D
 Acq On : 19 Aug 2025 12:47
 Operator : CG/JU
 Sample : PB169244BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

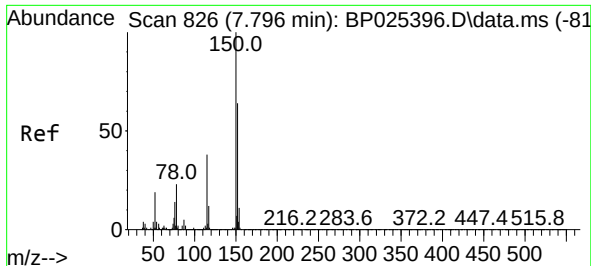
Instrument :
 BNA_P
 ClientSampleId :
 PB169244BSD

Quant Time: Aug 19 13:10:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	536382	51.353	ng	99
46) 1,1'-Biphenyl	13.225	154	1638603	46.160	ng	99
47) 2-Chloronaphthalene	13.266	162	1259783	45.586	ng	98
48) 2-Nitroaniline	13.466	65	415059	51.546	ng	98
49) Acenaphthylene	14.125	152	2177367	47.615	ng	100
50) Dimethylphthalate	13.854	163	1738994	48.585	ng	99
51) 2,6-Dinitrotoluene	13.966	165	395341	52.404	ng	98
52) Acenaphthene	14.472	154	1220137	45.457	ng	99
53) 3-Nitroaniline	14.296	138	300405	35.392	ng	97
54) 2,4-Dinitrophenol	14.513	184	495694	123.038	ng	99
55) Dibenzofuran	14.813	168	2007042	47.295	ng	100
56) 4-Nitrophenol	14.625	139	746663	107.051	ng	98
57) 2,4-Dinitrotoluene	14.766	165	583246	54.187	ng	99
58) Fluorene	15.466	166	1589403	47.465	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	472386	51.220	ng	100
60) Diethylphthalate	15.243	149	1844493	50.715	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	789982	47.436	ng	98
62) 4-Nitroaniline	15.484	138	442261	50.825	ng	99
63) Azobenzene	15.754	77	1593888	51.181	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	340236	52.303	ng	96
66) n-Nitrosodiphenylamine	15.678	169	1483025	46.603	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	531300	46.291	ng	96
68) Hexachlorobenzene	16.495	284	616466	46.335	ng	98
69) Atrazine	16.660	200	590070	49.512	ng	97
70) Pentachlorophenol	16.848	266	843937	100.486	ng	97
71) Phenanthrene	17.254	178	2687053	46.873	ng	99
72) Anthracene	17.348	178	2780840	47.501	ng	100
73) Carbazole	17.619	167	2645585	47.978	ng	99
74) Di-n-butylphthalate	18.213	149	3375219	49.751	ng	100
75) Fluoranthene	19.336	202	3282061	47.997	ng	99
77) Benzidine	19.519	184	1590772	43.560	ng	100
78) Pyrene	19.713	202	3315062	47.664	ng	100
80) Butylbenzylphthalate	20.654	149	1618023	51.331	ng	98
81) Benzo(a)anthracene	21.630	228	3439380	48.736	ng	99
82) 3,3'-Dichlorobenzidine	21.548	252	816647	30.701	ng	99
83) Chrysene	21.701	228	3127598	47.324	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	2323944	50.084	ng	98
85) Di-n-octyl phthalate	22.860	149	4076449	51.076	ng	99
87) Indeno(1,2,3-cd)pyrene	28.859	276	3302888	38.273	ng	# 93
88) Benzo(b)fluoranthene	23.954	252	3354449	48.343	ng	100
89) Benzo(k)fluoranthene	24.019	252	3390357	48.827	ng	99
90) Benzo(a)pyrene	24.854	252	3251341	48.136	ng	100
91) Dibenzo(a,h)anthracene	28.971	278	3297613	46.760	ng	97
92) Benzo(g,h,i)perylene	30.054	276	3230088	46.595	ng	98

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

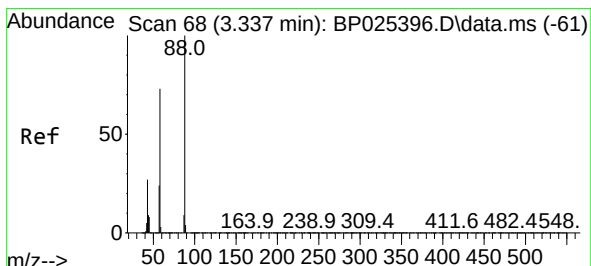
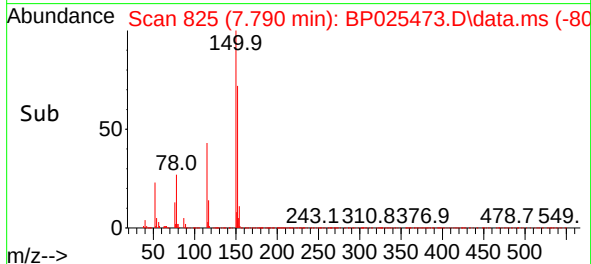
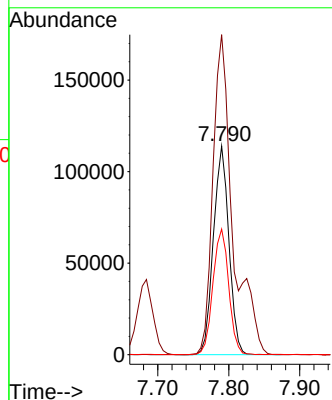
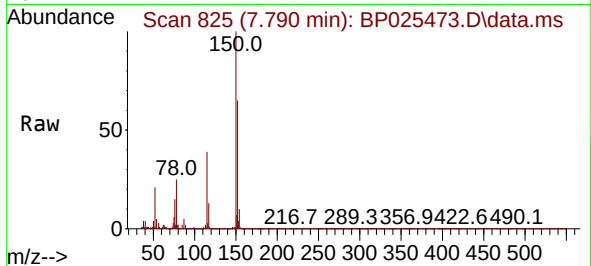
- 1
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- 18



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025473.D
 Acq: 19 Aug 2025 12:47

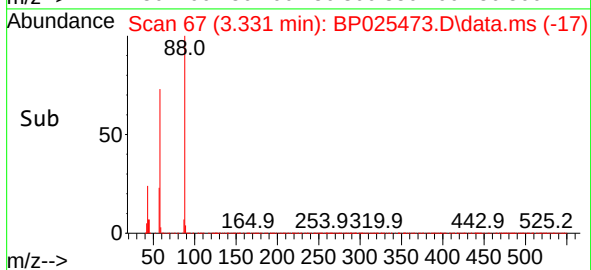
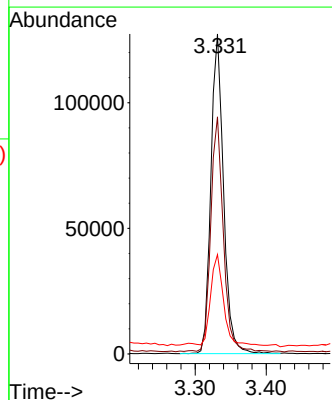
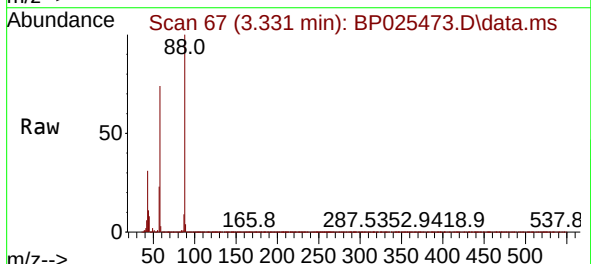
Instrument :
 BNA_P
 ClientSampleId :
 PB169244BSD

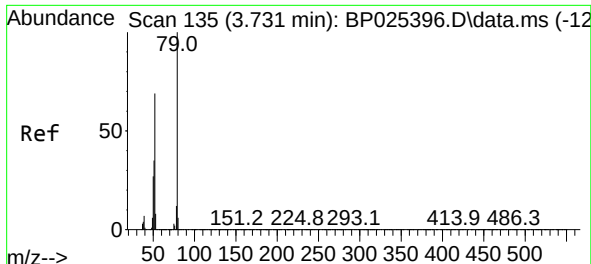
Tgt Ion:152 Resp: 172374
 Ion Ratio Lower Upper
 152 100
 150 153.4 125.9 188.9
 115 60.2 48.5 72.7



#2
 1,4-Dioxane
 Concen: 38.889 ng
 RT: 3.331 min Scan# 67
 Delta R.T. -0.006 min
 Lab File: BP025473.D
 Acq: 19 Aug 2025 12:47

Tgt Ion: 88 Resp: 158108
 Ion Ratio Lower Upper
 88 100
 58 73.4 59.2 88.8
 43 28.3 21.7 32.5

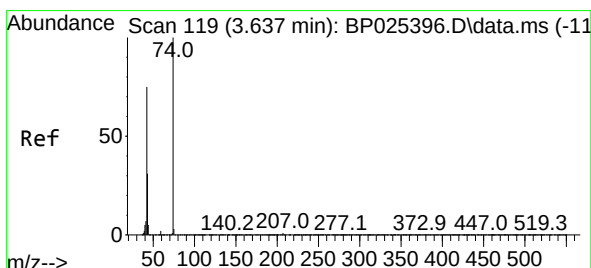
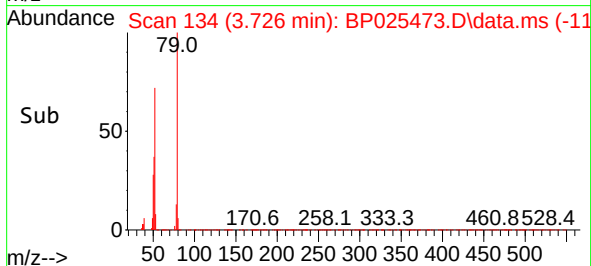
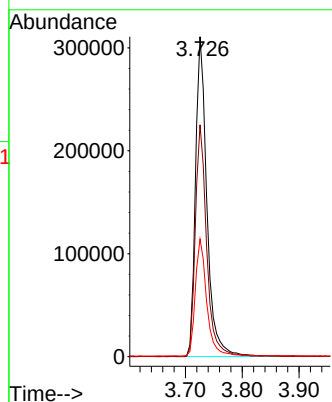
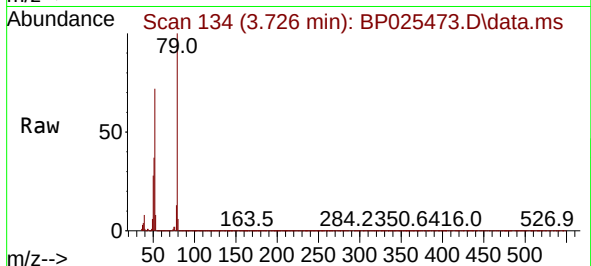




#3
Pyridine
Concen: 39.230 ng
RT: 3.726 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

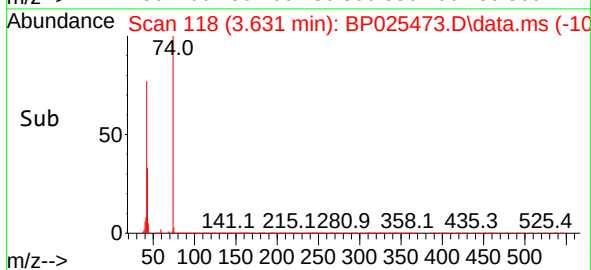
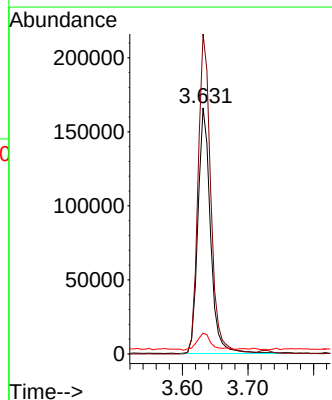
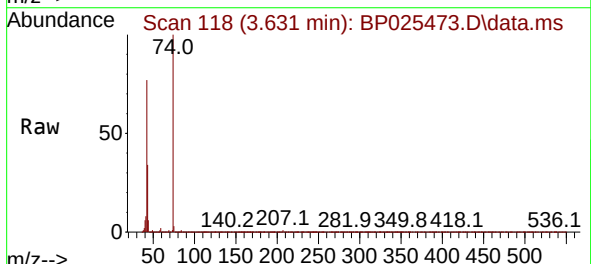
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

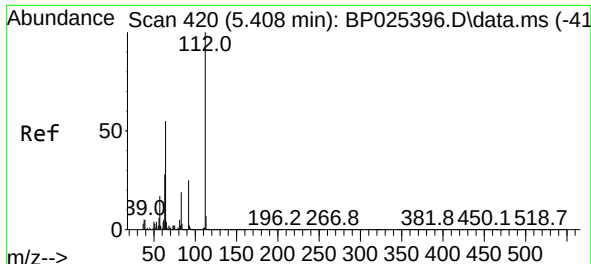
Tgt Ion: 79 Resp: 436550
Ion Ratio Lower Upper
79 100
52 72.5 55.5 83.3
51 36.8 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 48.284 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 42 Resp: 221517
Ion Ratio Lower Upper
42 100
74 130.0 107.0 160.4
44 8.4 6.2 9.4

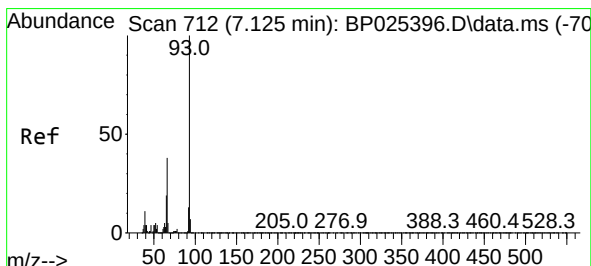
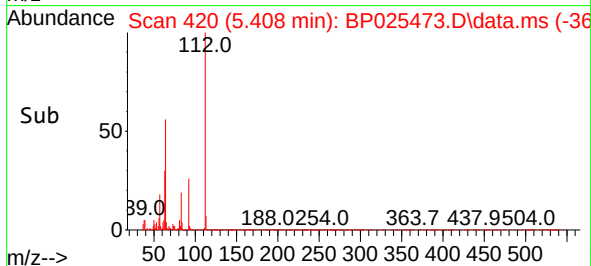
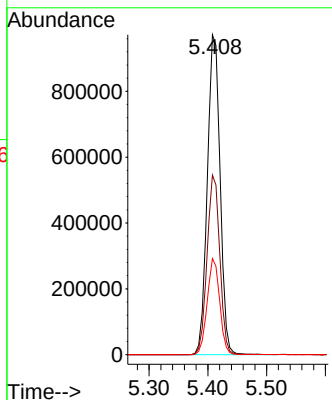
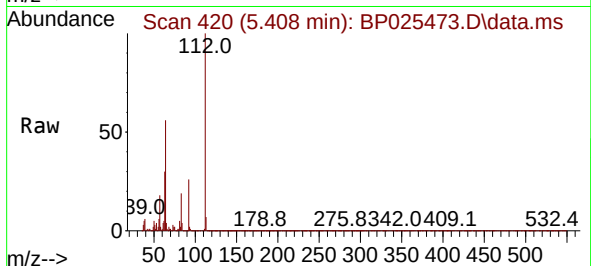




#5
2-Fluorophenol
Concen: 141.294 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

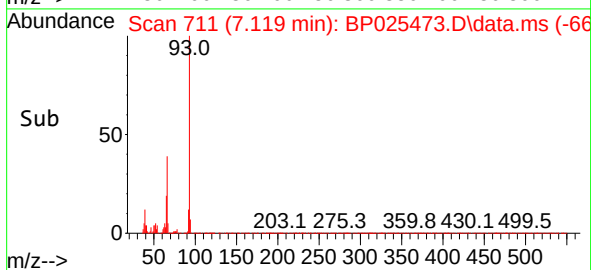
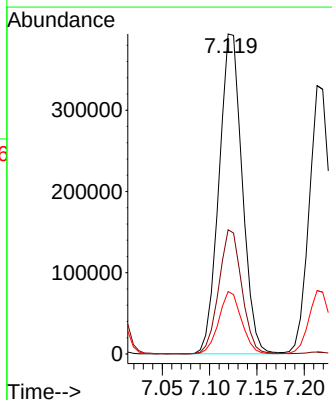
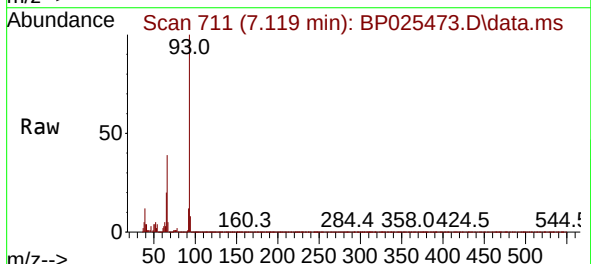
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

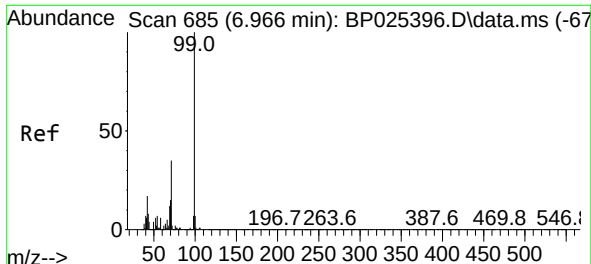
Tgt Ion:112 Resp: 1466573
Ion Ratio Lower Upper
112 100
64 56.2 43.8 65.8
63 30.0 22.7 34.1



#6
Aniline
Concen: 37.518 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 93 Resp: 672688
Ion Ratio Lower Upper
93 100
66 38.8 30.4 45.6
65 19.5 15.3 22.9

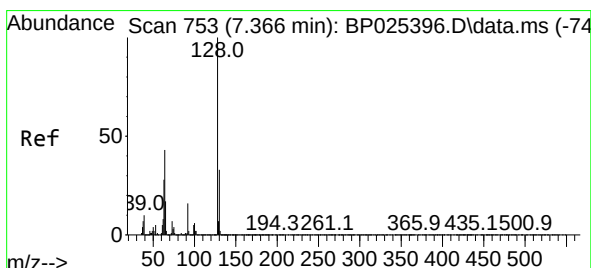
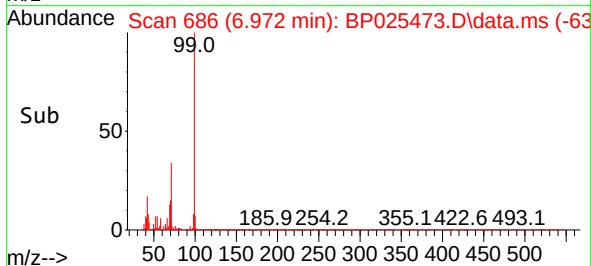
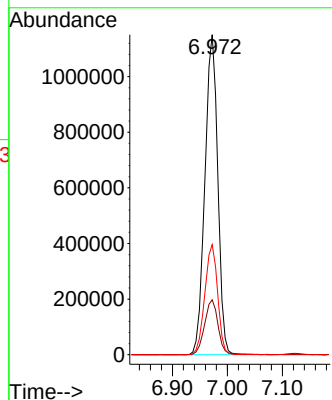
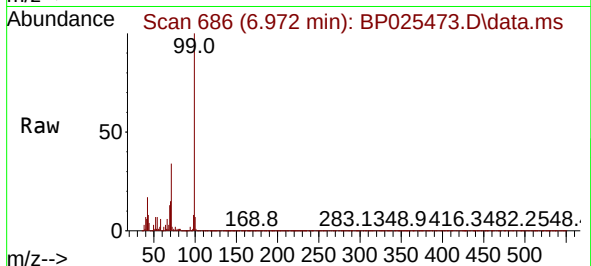




#7
Phenol-d6
Concen: 140.533 ng
RT: 6.972 min Scan# 685
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

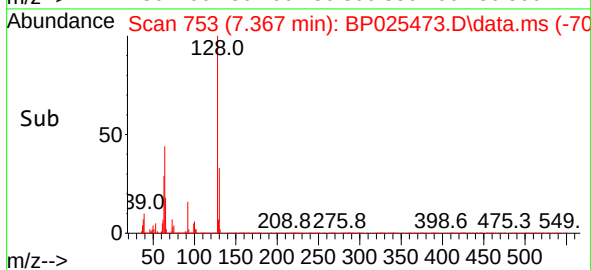
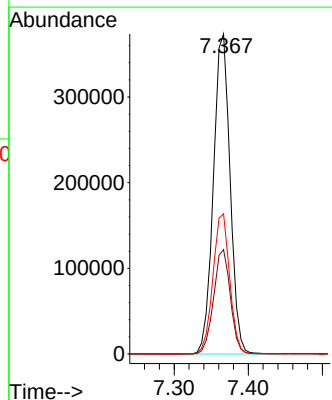
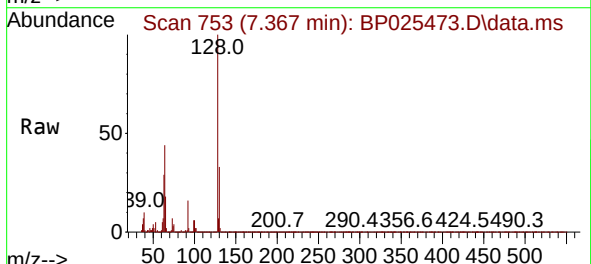
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

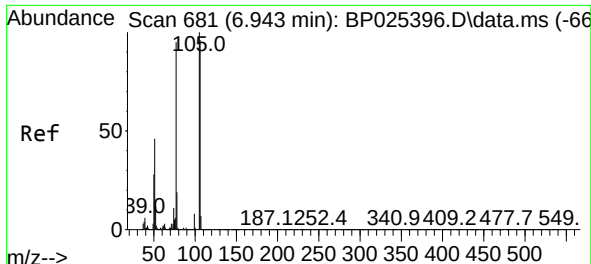
Tgt Ion: 99 Resp: 1870146
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 34.4 28.2 42.4



#8
2-Chlorophenol
Concen: 49.881 ng
RT: 7.367 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 128 Resp: 584248
Ion Ratio Lower Upper
128 100
130 32.6 12.6 52.6
64 43.8 23.4 63.4

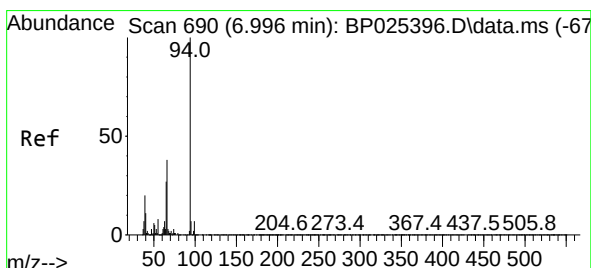
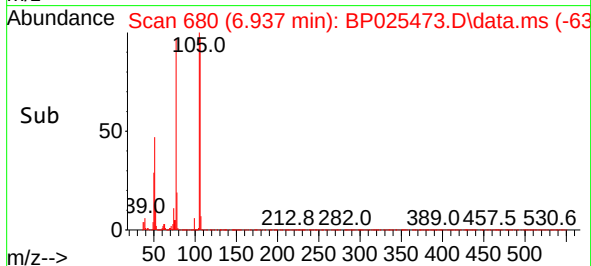
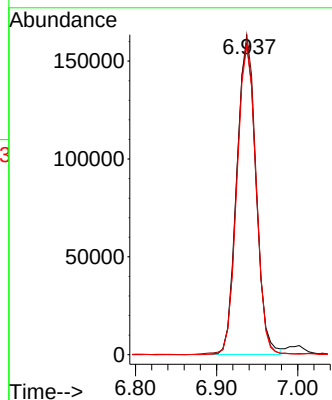
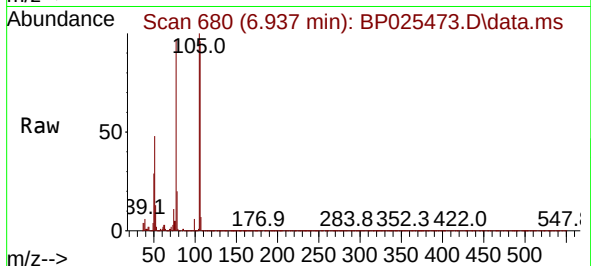




#9
Benzaldehyde
Concen: 28.288 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

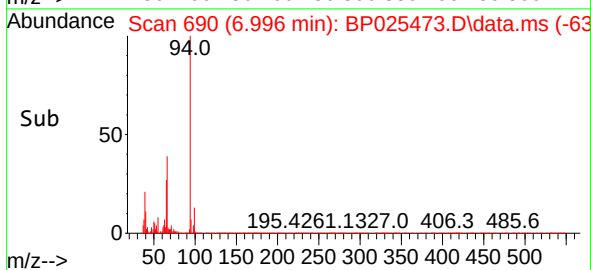
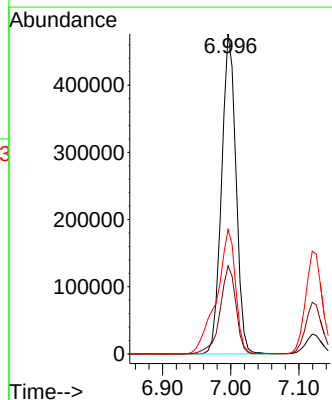
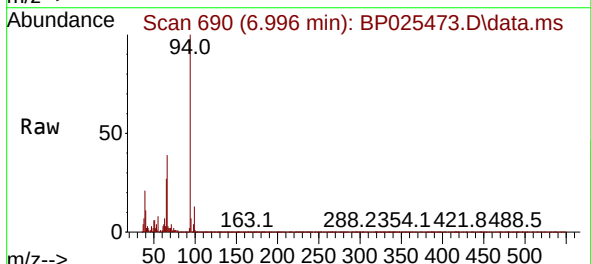
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

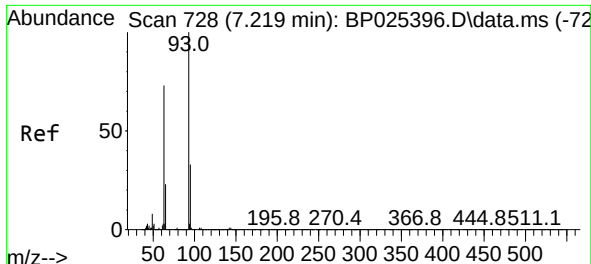
Tgt Ion: 77 Resp: 263740
Ion Ratio Lower Upper
77 100
105 102.9 84.8 124.8
106 99.2 80.5 120.5



#10
Phenol
Concen: 50.262 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 94 Resp: 701844
Ion Ratio Lower Upper
94 100
65 27.5 6.8 46.8
66 38.9 18.2 58.2

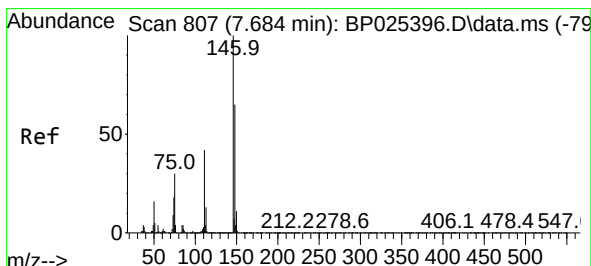
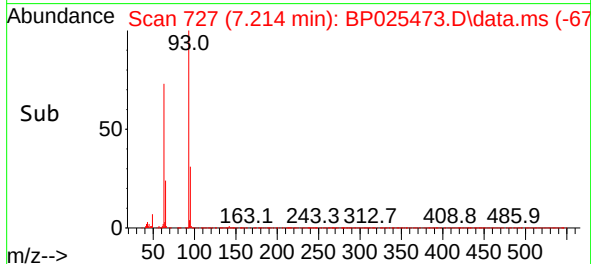
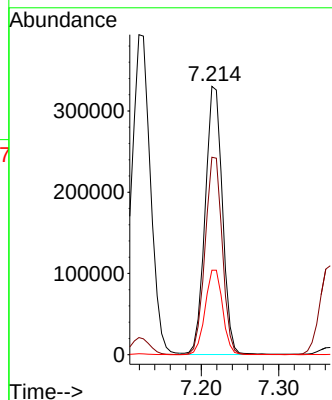
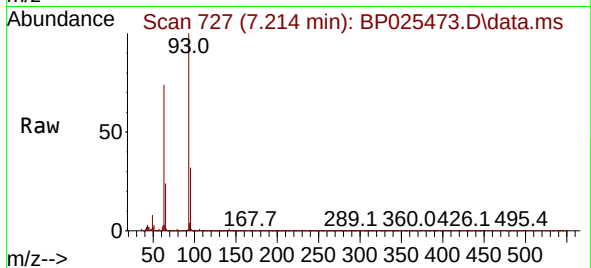




#11
 bis(2-Chloroethyl)ether
 Concen: 46.912 ng
 RT: 7.214 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BP025473.D
 Acq: 19 Aug 2025 12:47

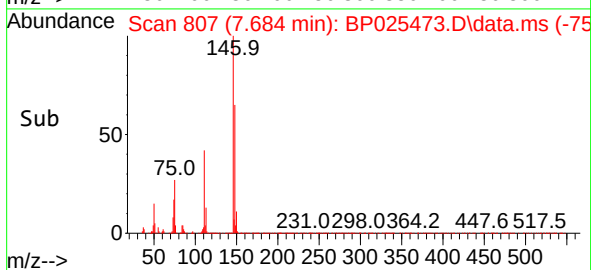
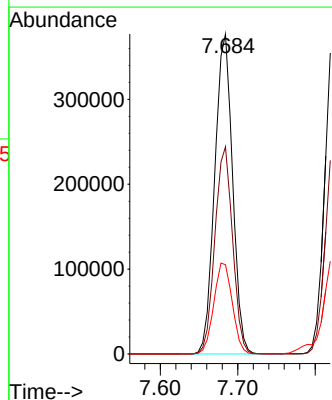
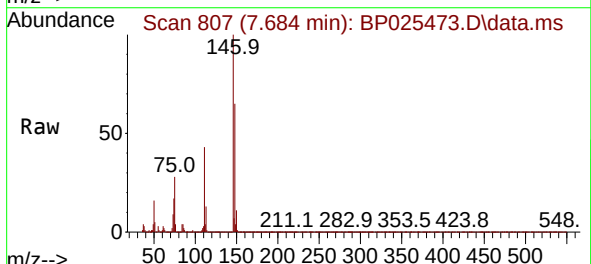
Instrument :
 BNA_P
 ClientSampleId :
 PB169244BSD

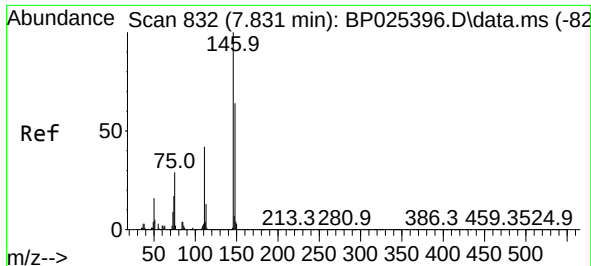
Tgt Ion: 93 Resp: 510577
 Ion Ratio Lower Upper
 93 100
 63 73.6 52.6 92.6
 95 31.5 12.7 52.7



#12
 1,3-Dichlorobenzene
 Concen: 46.552 ng
 RT: 7.684 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BP025473.D
 Acq: 19 Aug 2025 12:47

Tgt Ion: 146 Resp: 601240
 Ion Ratio Lower Upper
 146 100
 148 64.8 51.9 77.9
 75 27.9 23.7 35.5

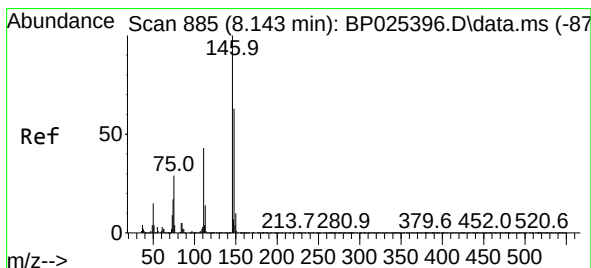
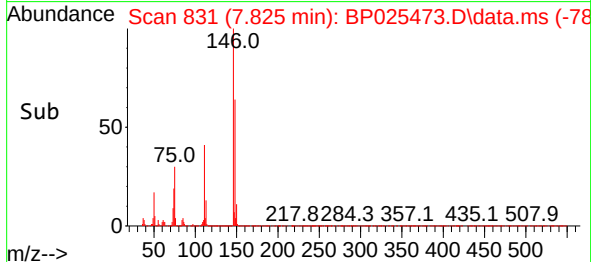
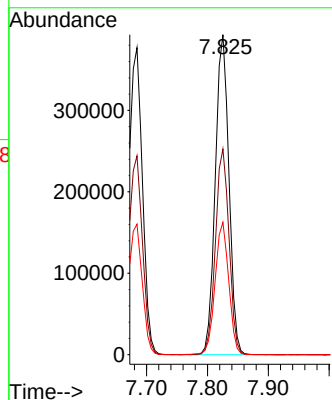
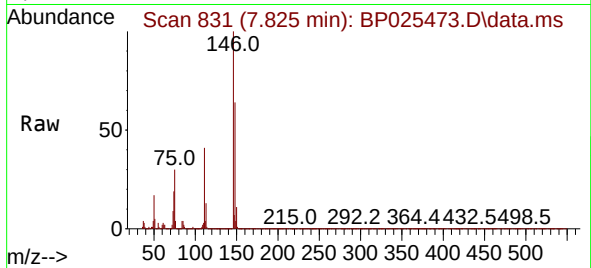




#13
1,4-Dichlorobenzene
Concen: 46.233 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

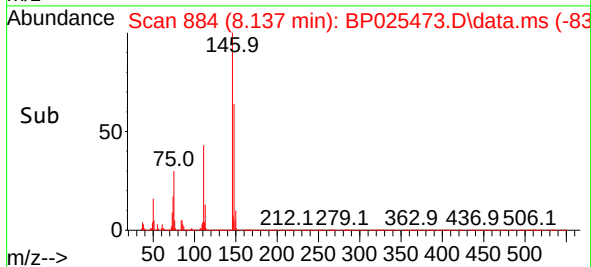
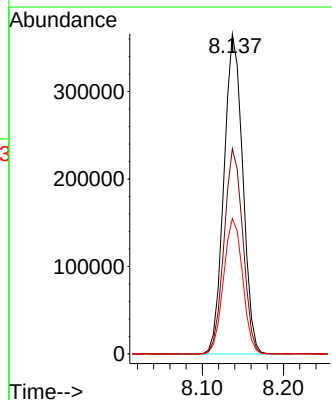
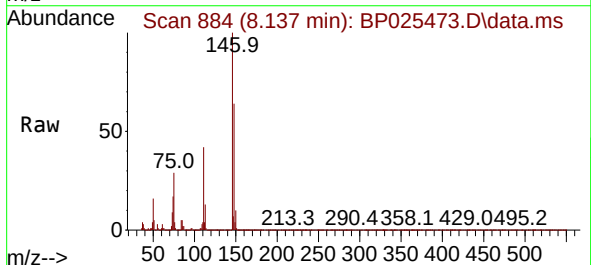
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

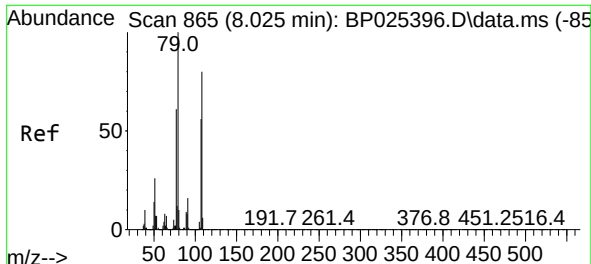
Tgt Ion:146 Resp: 610323
Ion Ratio Lower Upper
146 100
148 64.3 51.6 77.4
111 41.4 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 46.093 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:146 Resp: 589005
Ion Ratio Lower Upper
146 100
148 64.2 50.4 75.6
111 42.3 34.5 51.7

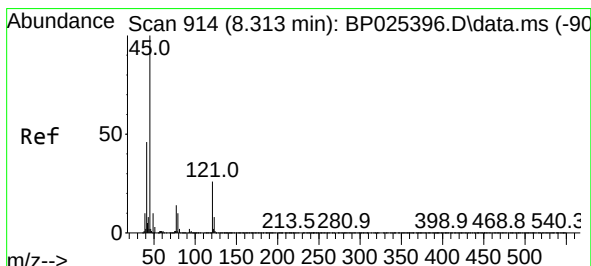
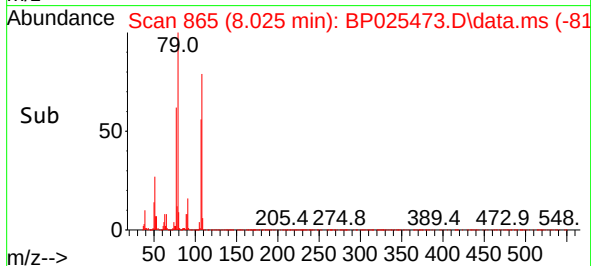
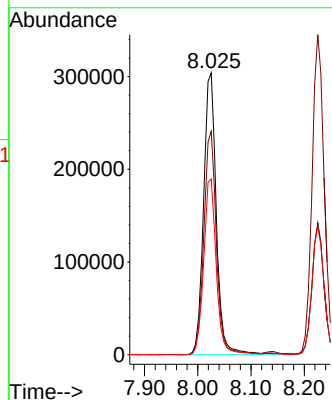
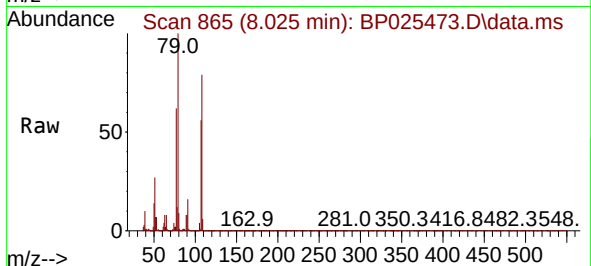




#15
Benzyl Alcohol
Concen: 47.704 ng
RT: 8.025 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

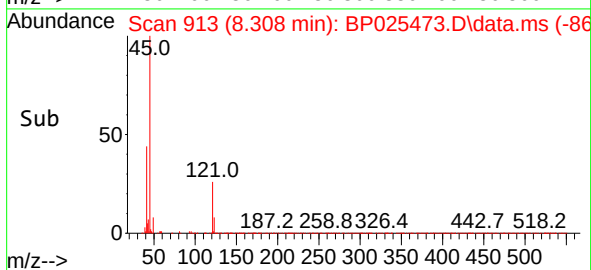
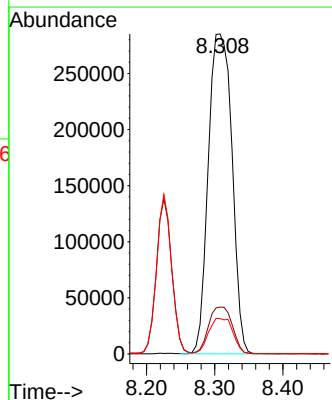
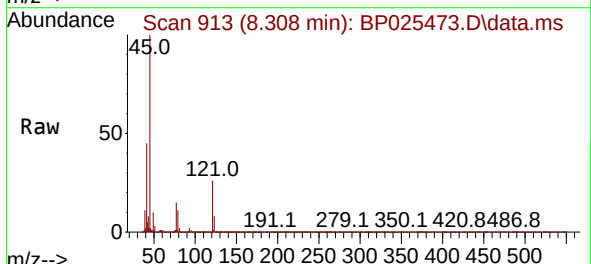
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

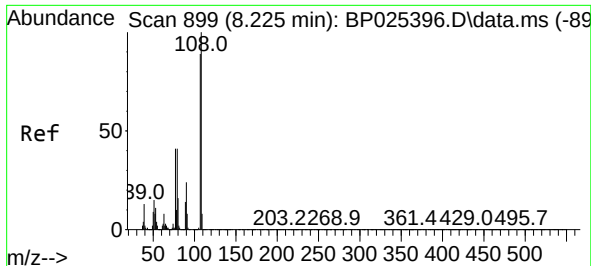
Tgt Ion: 79 Resp: 504404
Ion Ratio Lower Upper
79 100
108 79.2 63.8 95.6
77 62.4 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.263 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 45 Resp: 689083
Ion Ratio Lower Upper
45 100
77 14.6 0.0 35.3
79 11.1 0.0 31.8

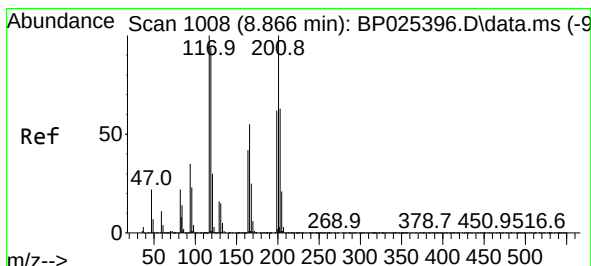
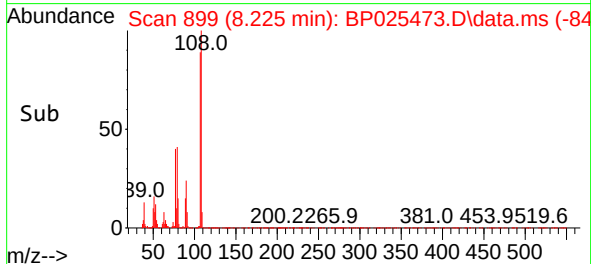
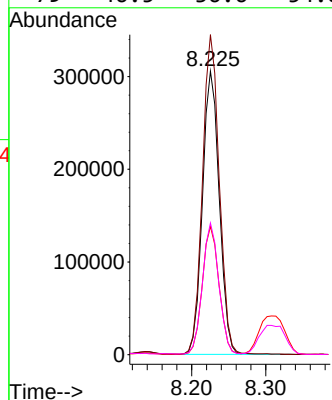
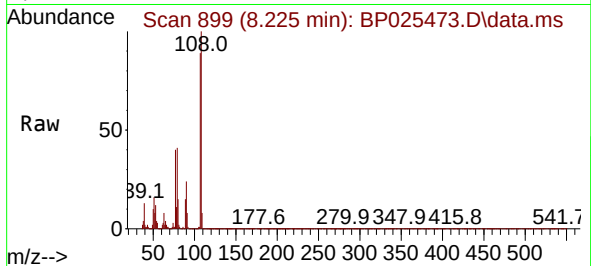




#17
2-Methylphenol
Concen: 49.736 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

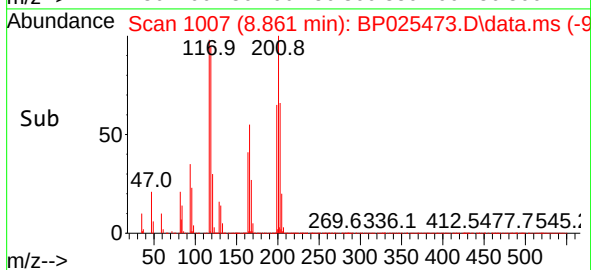
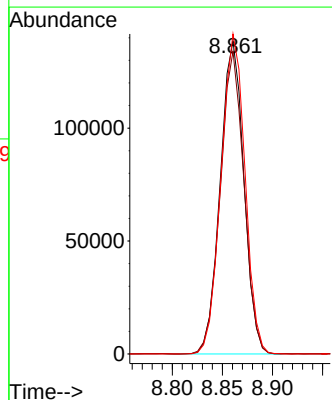
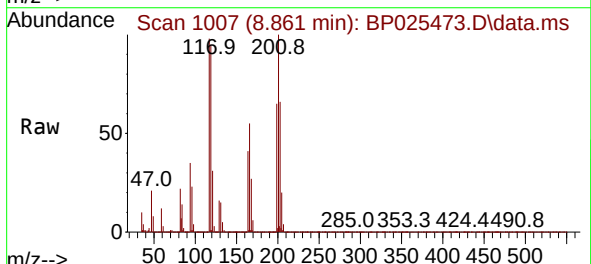
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

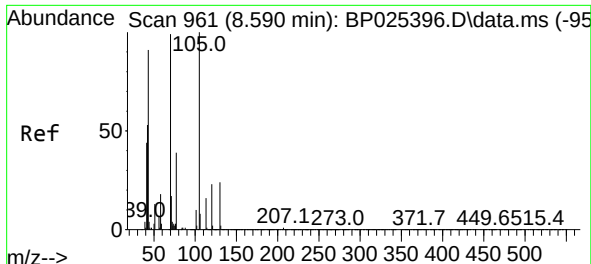
Tgt Ion:	107	Resp:	482348
Ion	Ratio	Lower	Upper
107	100		
108	112.9	89.4	134.0
77	45.2	36.3	54.5
79	46.5	36.6	54.8



#18
Hexachloroethane
Concen: 46.811 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

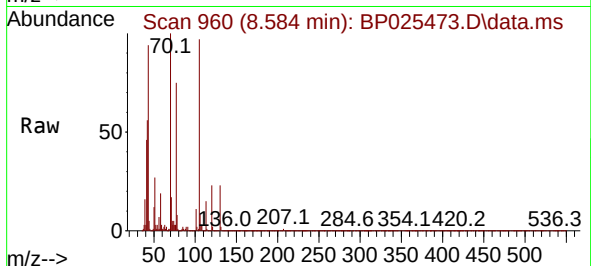
Tgt Ion:	117	Resp:	227208
Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.1	112.7
201	102.3	80.1	120.1





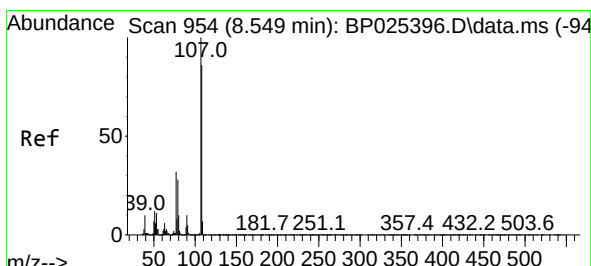
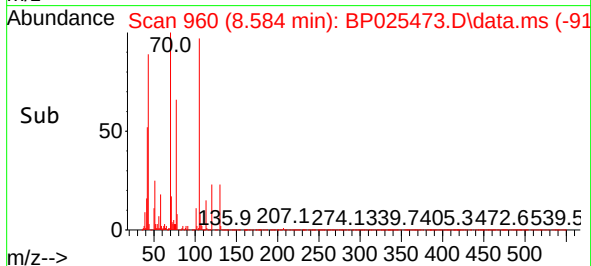
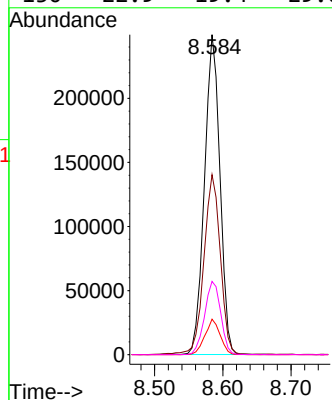
#19
n-Nitroso-di-n-propylamine
Concen: 44.678 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :
BNA_P
ClientSampleId :
PB169244BSD



Tgt Ion: 70 Resp: 393822

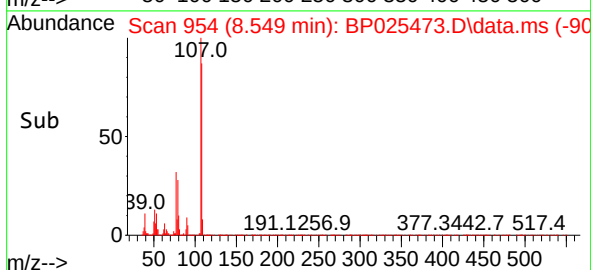
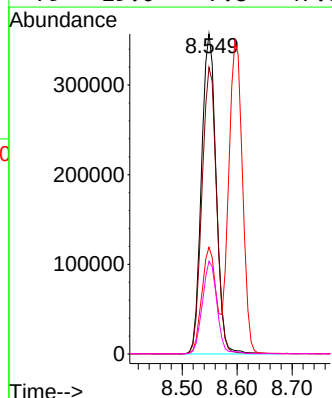
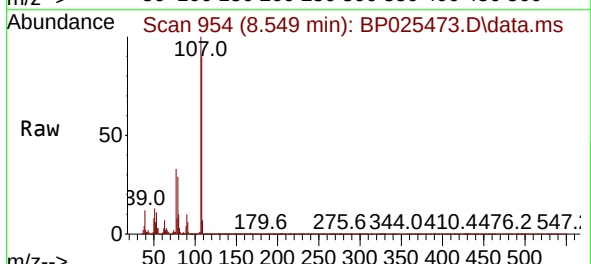
Ion	Ratio	Lower	Upper
70	100		
42	56.2	43.8	65.6
101	11.1	8.5	12.7
130	22.9	19.4	29.0

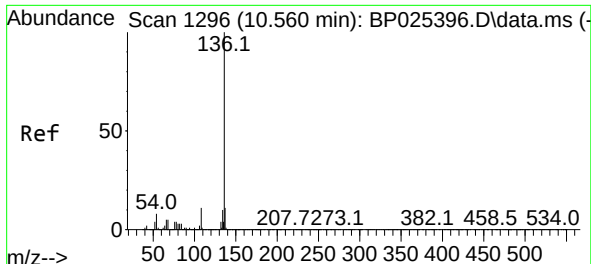


#20
3+4-Methylphenols
Concen: 49.134 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 107 Resp: 660509

Ion	Ratio	Lower	Upper
107	100		
108	89.5	66.3	106.3
77	33.4	12.3	52.3
79	29.0	7.8	47.8

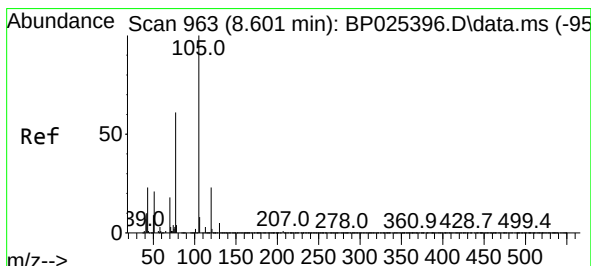
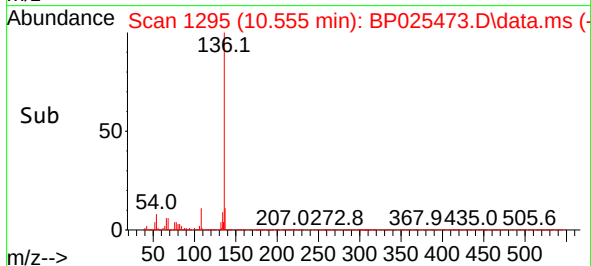
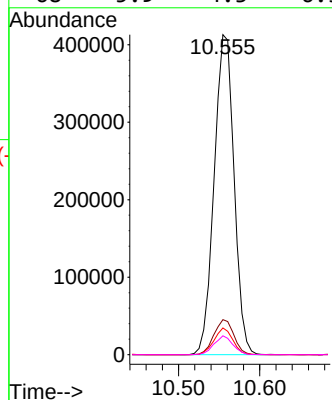
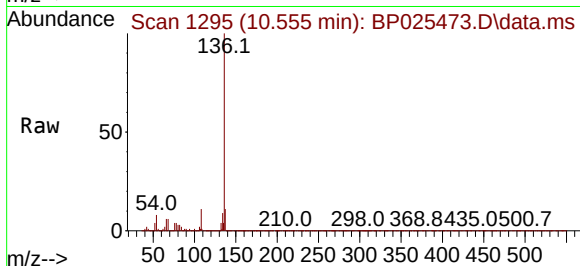




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

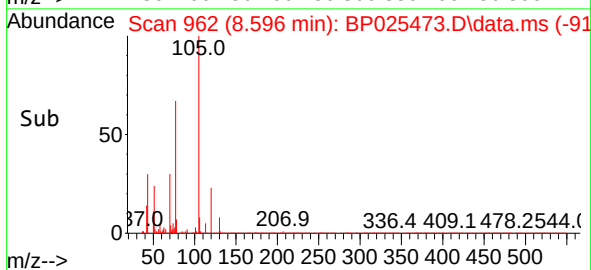
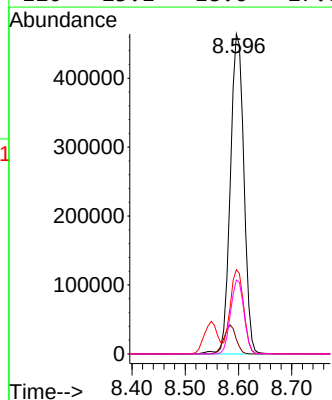
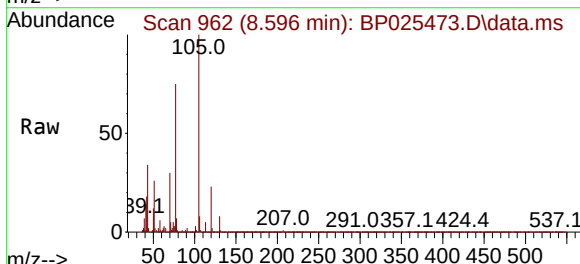
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

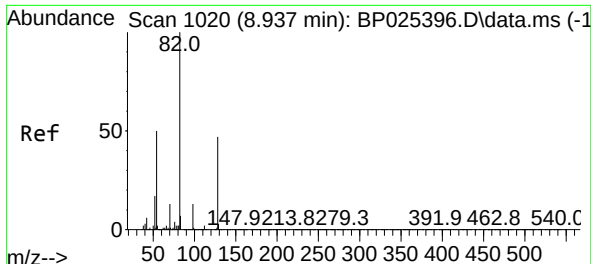
Tgt Ion:	136	Resp:	704478
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.4	6.0	9.0
68	5.9	4.3	6.5



#22
Acetophenone
Concen: 46.389 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:	105	Resp:	819556
Ion	Ratio	Lower	Upper
105	100		
71	4.5	2.6	4.0#
51	26.4	20.6	30.8
120	23.1	18.6	27.8

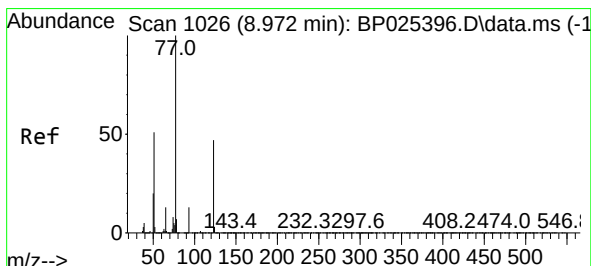
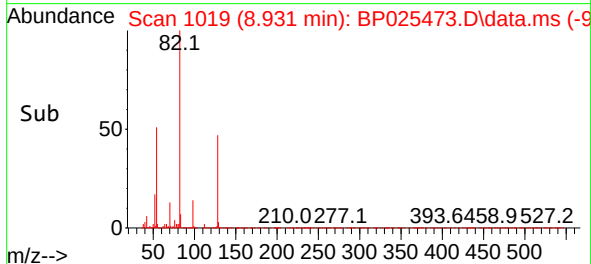
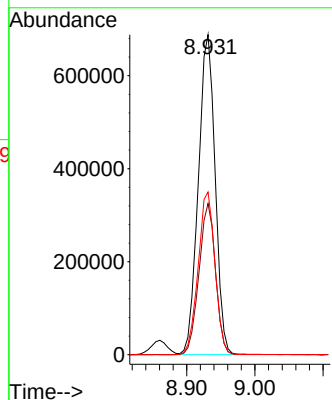
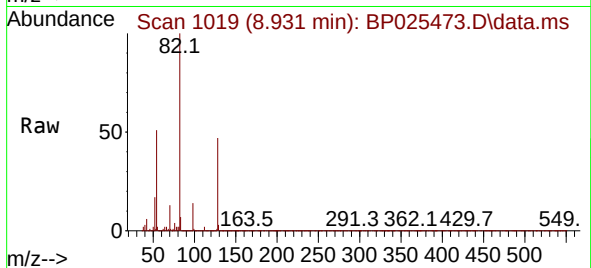




#23
Nitrobenzene-d5
Concen: 84.587 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

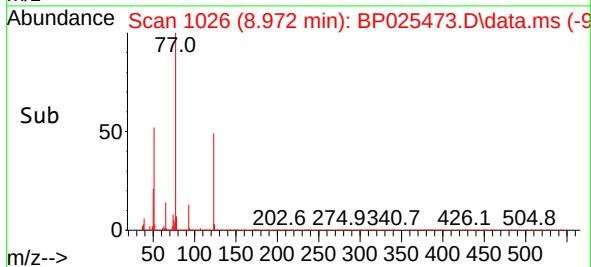
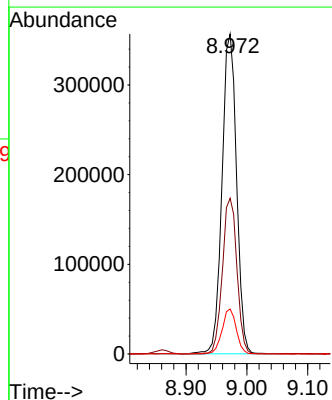
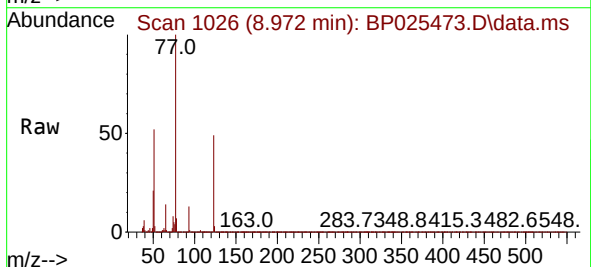
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

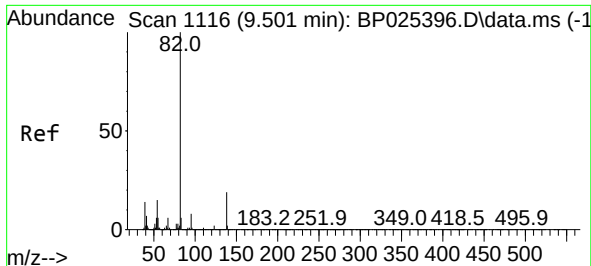
Tgt Ion: 82 Resp: 1177998
Ion Ratio Lower Upper
82 100
128 47.3 37.7 56.5
54 50.9 39.8 59.6



#24
Nitrobenzene
Concen: 47.489 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 77 Resp: 591064
Ion Ratio Lower Upper
77 100
123 48.7 38.6 58.0
65 14.1 10.6 15.8

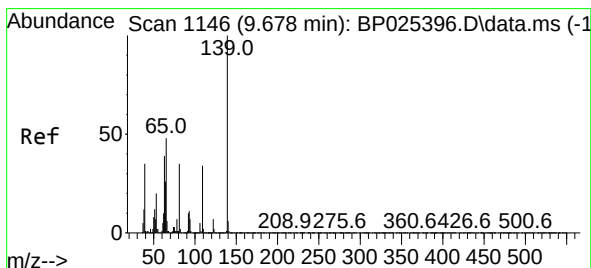
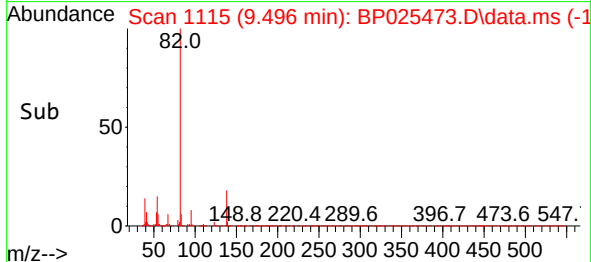
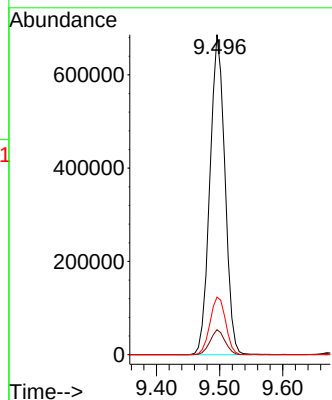
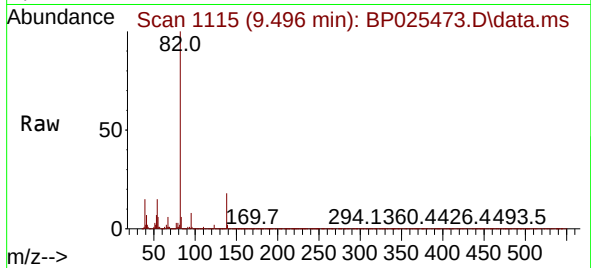




#25
Isophorone
Concen: 46.032 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

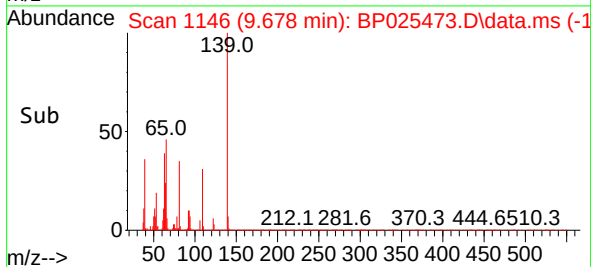
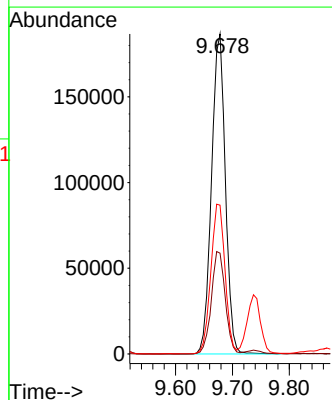
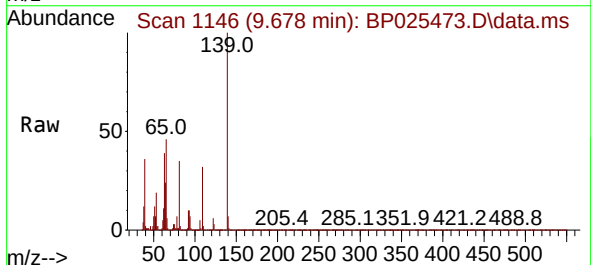
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

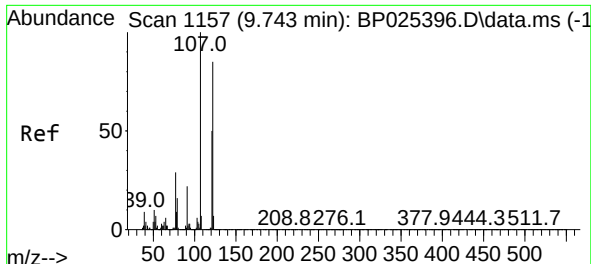
Tgt Ion: 82 Resp: 1134513
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 18.0 15.4 23.0



#26
2-Nitrophenol
Concen: 49.309 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 139 Resp: 314959
Ion Ratio Lower Upper
139 100
109 31.5 26.9 40.3
65 46.5 38.3 57.5

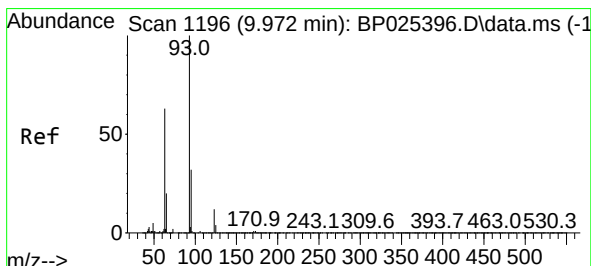
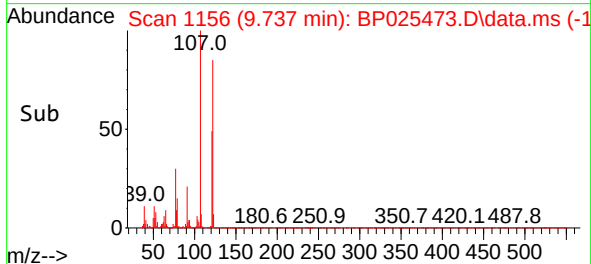
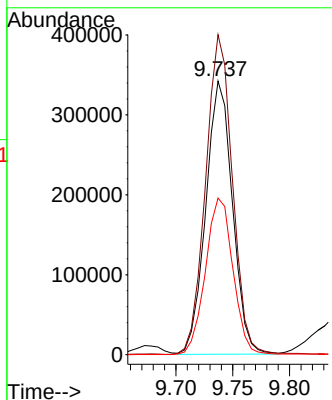
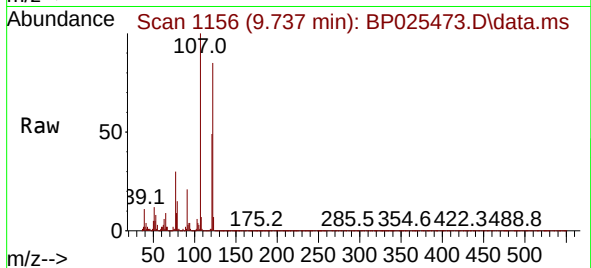




#27
2,4-Dimethylphenol
Concen: 50.825 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

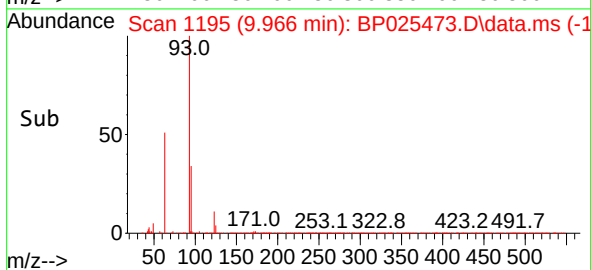
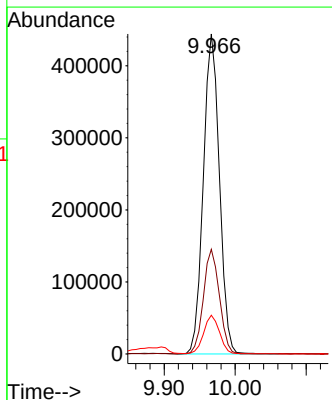
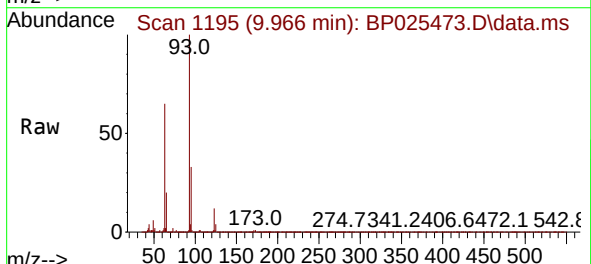
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

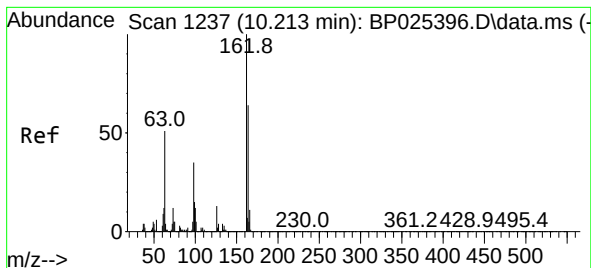
Tgt Ion:122 Resp: 558293
Ion Ratio Lower Upper
122 100
107 117.0 93.7 140.5
121 57.3 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 46.914 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 93 Resp: 698931
Ion Ratio Lower Upper
93 100
95 32.7 25.4 38.0
123 12.1 9.4 14.0

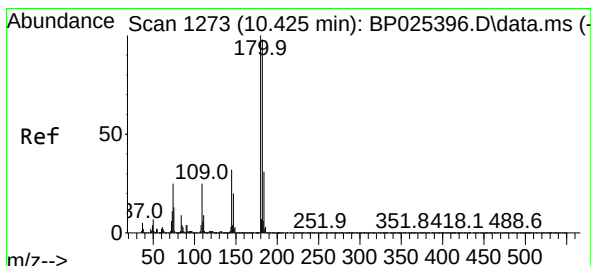
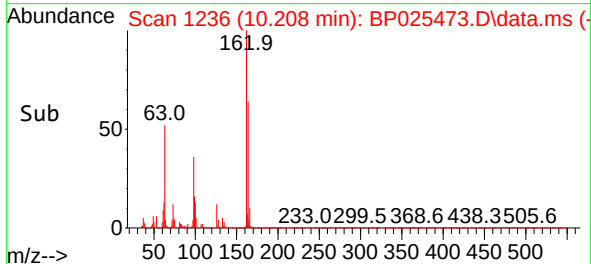
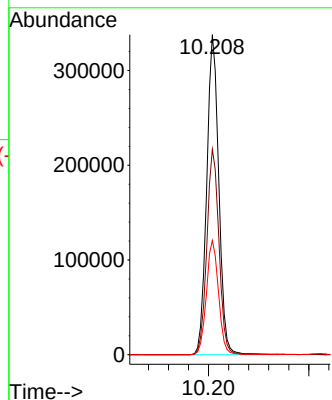
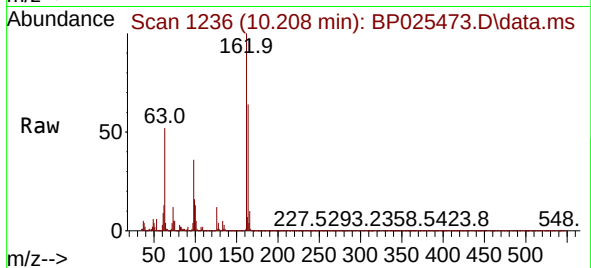




#29
2,4-Dichlorophenol
Concen: 51.769 ng
RT: 10.208 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

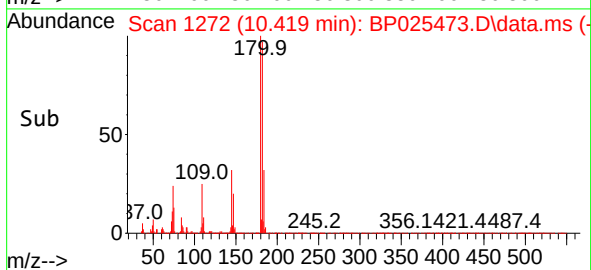
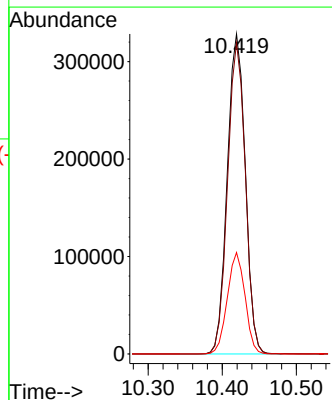
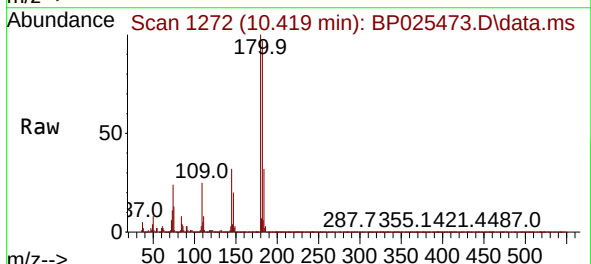
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

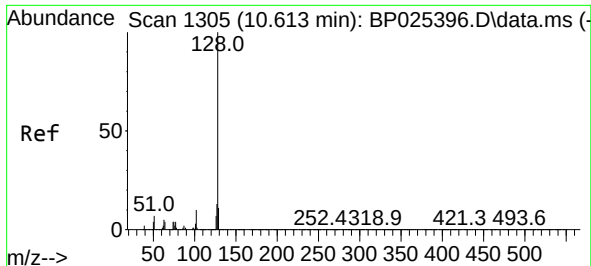
Tgt Ion:162 Resp: 564908
Ion Ratio Lower Upper
162 100
164 64.2 44.4 84.4
98 35.7 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 46.307 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:180 Resp: 553924
Ion Ratio Lower Upper
180 100
182 97.2 78.0 117.0
145 31.7 25.9 38.9

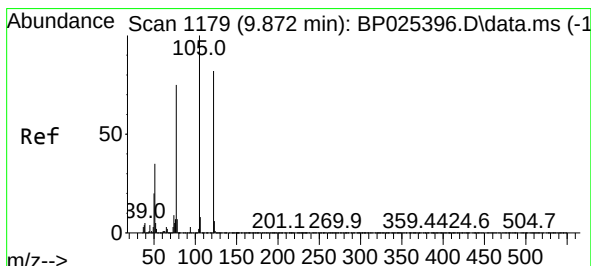
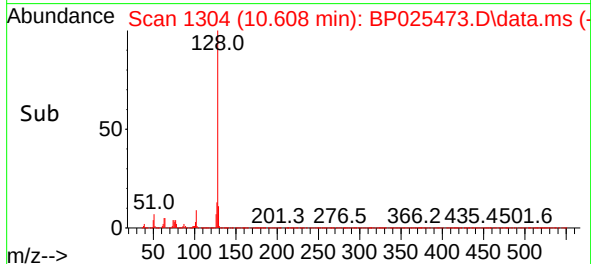
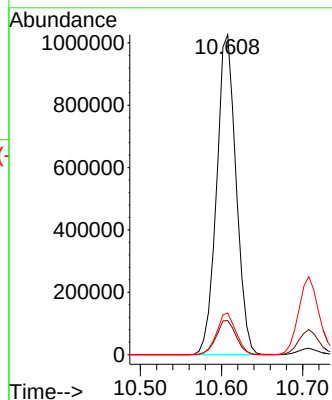
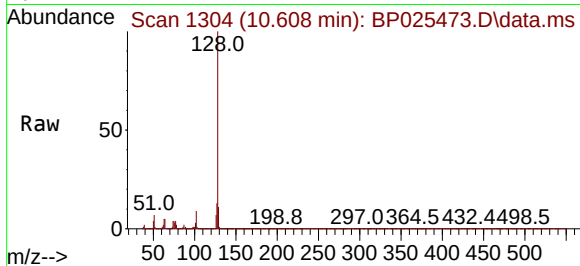




#31
Naphthalene
Concen: 46.717 ng
RT: 10.608 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

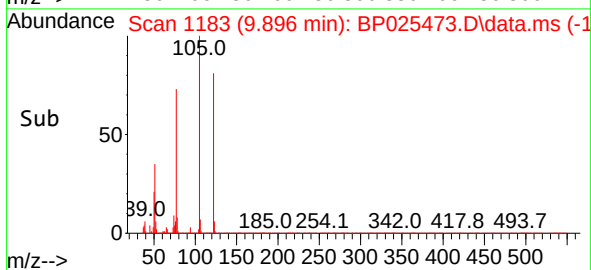
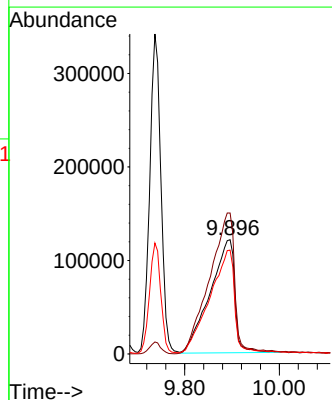
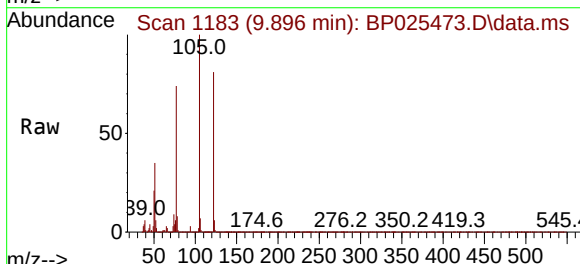
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

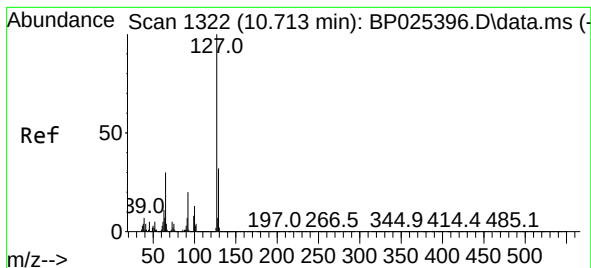
Tgt Ion:128 Resp: 1710559
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.0 10.7 16.1



#32
Benzoic acid
Concen: 54.190 ng
RT: 9.896 min Scan# 1183
Delta R.T. 0.024 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:122 Resp: 439462
Ion Ratio Lower Upper
122 100
105 123.3 100.6 140.6
77 90.8 71.5 111.5





#33

4-Chloroaniline

Concen: 27.233 ng

RT: 10.708 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

Tgt Ion:127 Resp: 440457

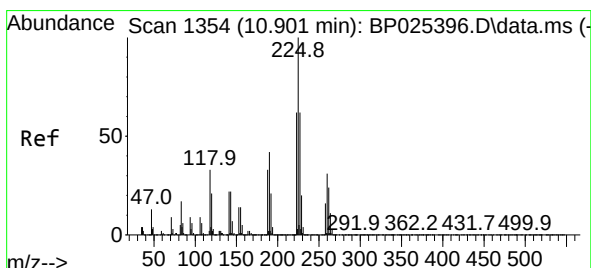
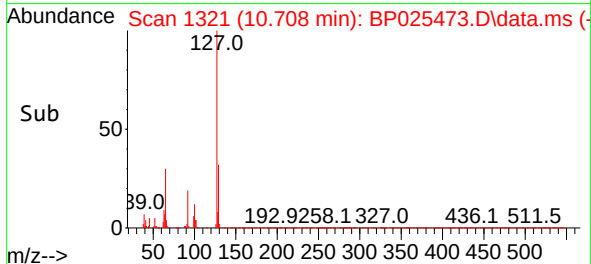
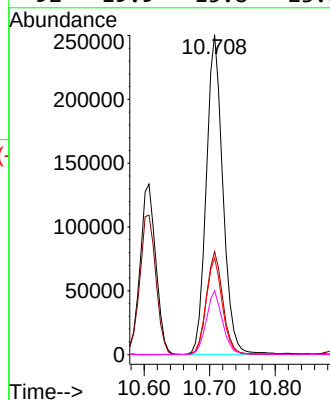
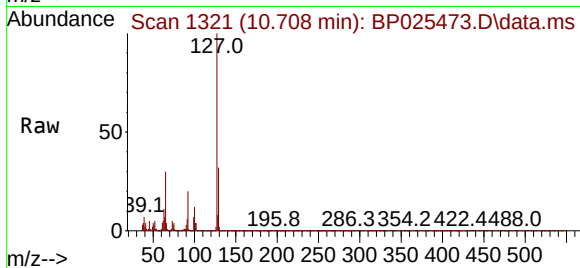
Ion Ratio Lower Upper

127 100

129 32.2 25.4 38.2

65 30.3 23.8 35.6

92 19.9 15.8 23.8



#34

Hexachlorobutadiene

Concen: 46.008 ng

RT: 10.896 min Scan# 1353

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

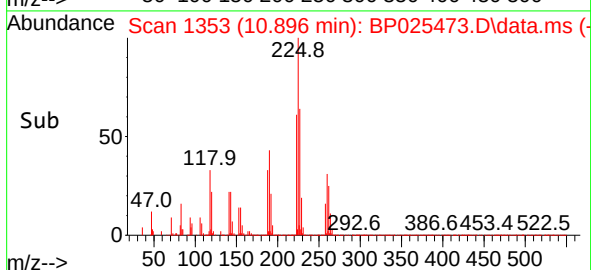
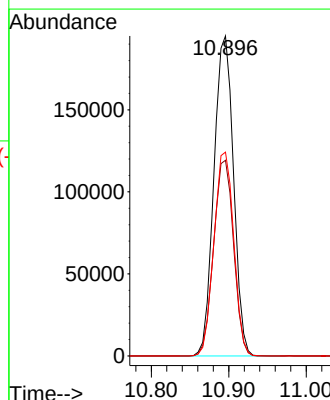
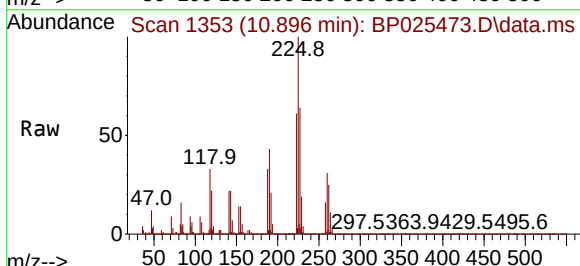
Tgt Ion:225 Resp: 342743

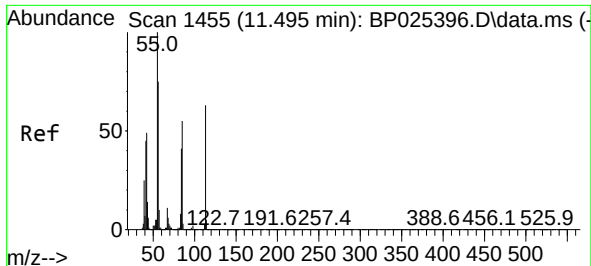
Ion Ratio Lower Upper

225 100

223 61.1 50.0 75.0

227 63.7 49.7 74.5

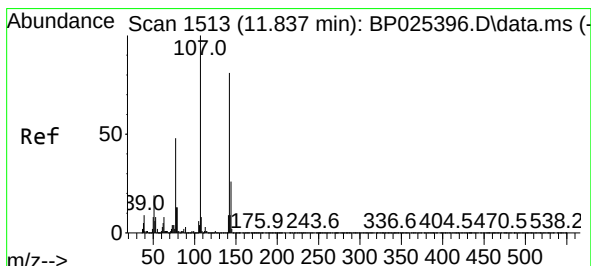
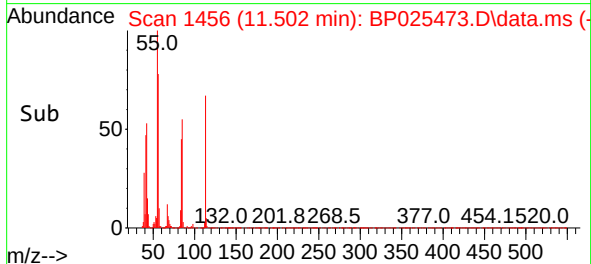
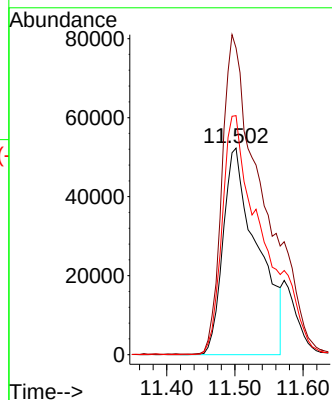
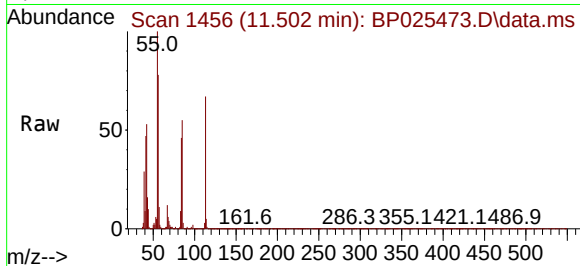




#35
Caprolactam
Concen: 45.487 ng
RT: 11.502 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

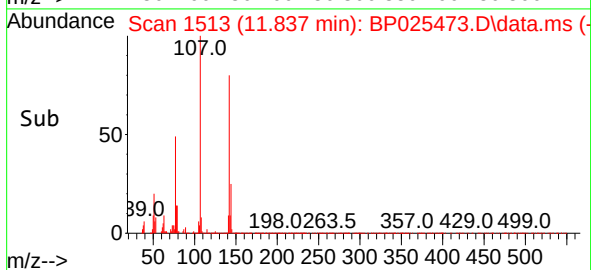
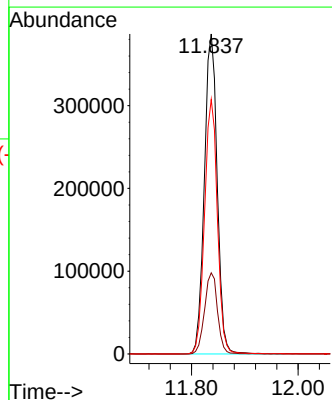
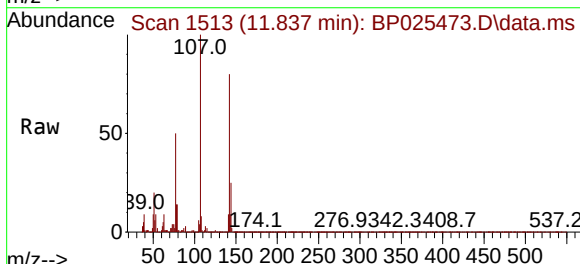
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

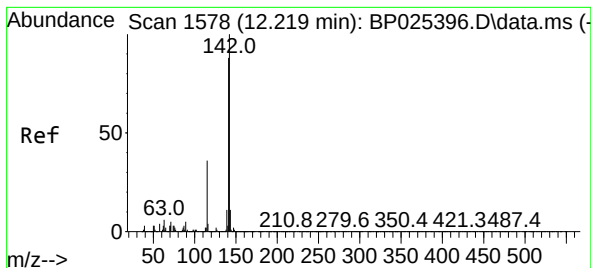
Tgt Ion:113 Resp: 182006
Ion Ratio Lower Upper
113 100
55 148.5 140.0 180.0
56 115.7 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 51.621 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:107 Resp: 646361
Ion Ratio Lower Upper
107 100
144 25.3 21.0 31.4
142 79.5 64.6 97.0

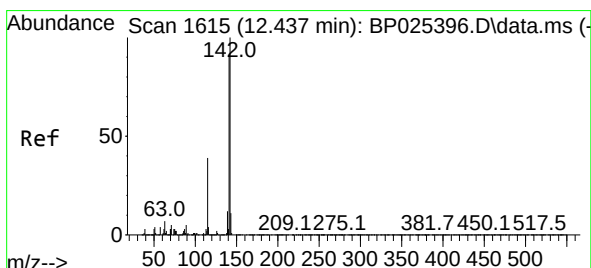
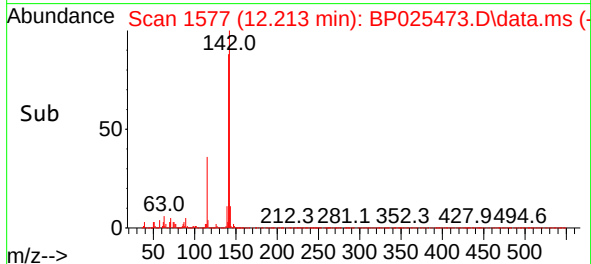
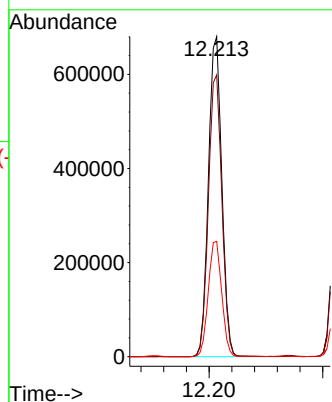
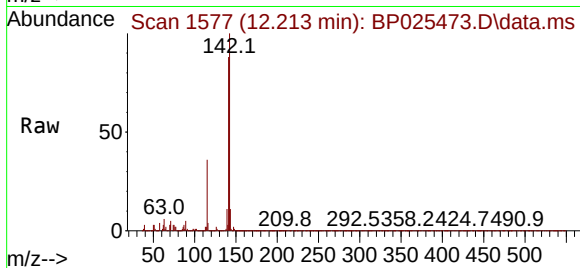




#37
2-Methylnaphthalene
Concen: 46.469 ng
RT: 12.213 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

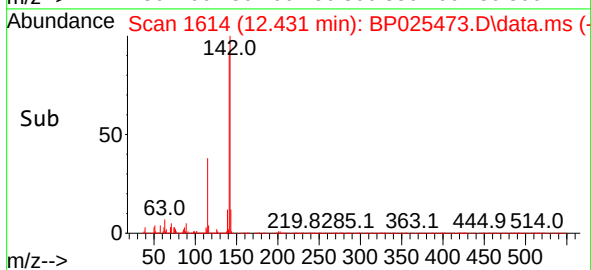
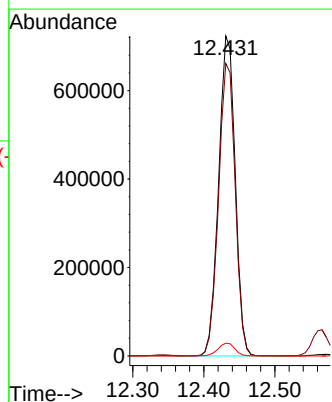
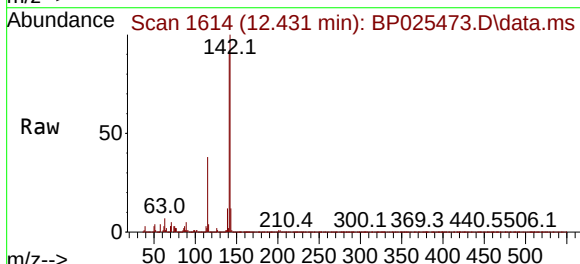
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

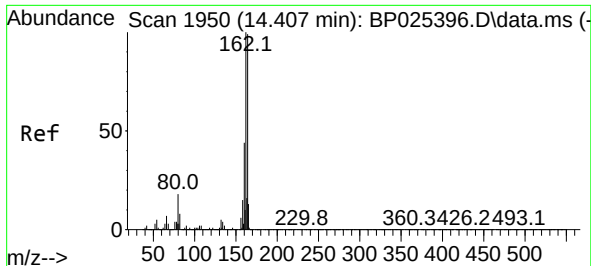
Tgt Ion:142 Resp: 1107270
Ion Ratio Lower Upper
142 100
141 88.1 70.3 105.5
115 36.1 28.9 43.3



#38
1-Methylnaphthalene
Concen: 46.102 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:142 Resp: 1168249
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7
116 4.0 3.2 4.8

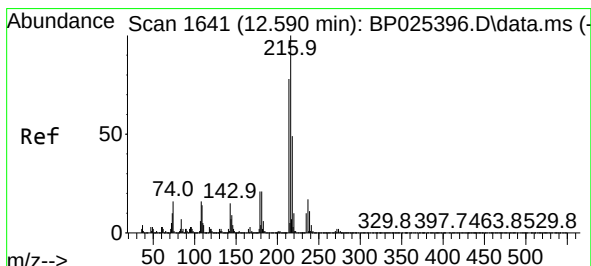
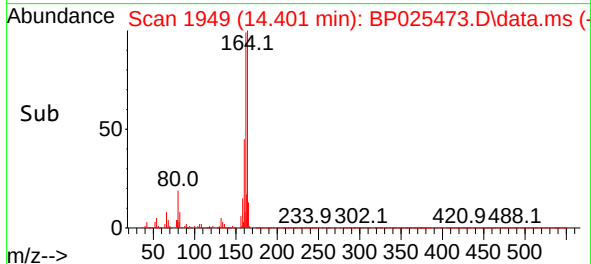
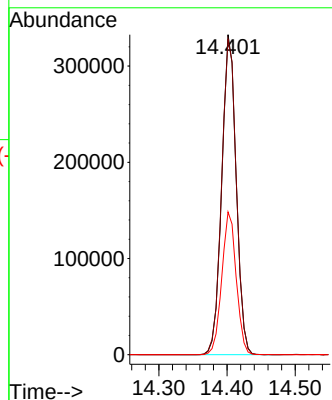
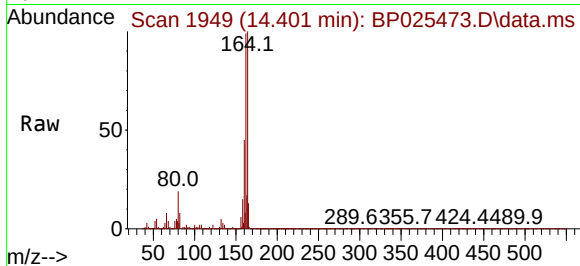




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

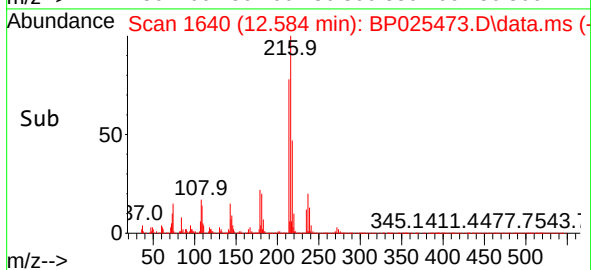
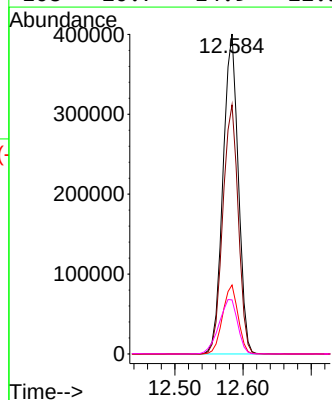
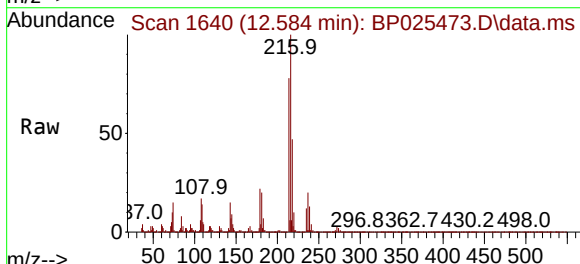
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

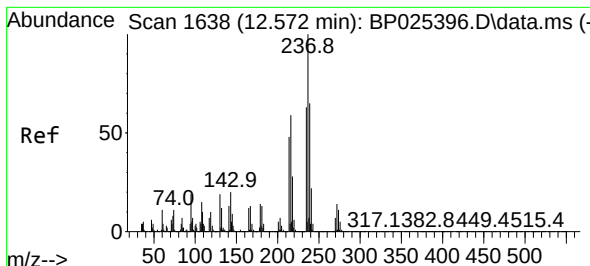
Tgt Ion:164 Resp: 488785
Ion Ratio Lower Upper
164 100
162 98.6 81.0 121.6
160 44.6 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.362 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:216 Resp: 626241
Ion Ratio Lower Upper
216 100
214 78.6 63.0 94.4
179 21.7 17.1 25.7
108 20.7 14.9 22.3

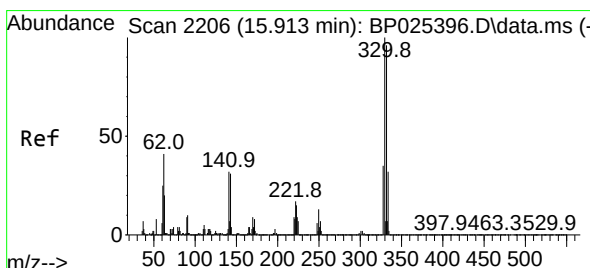
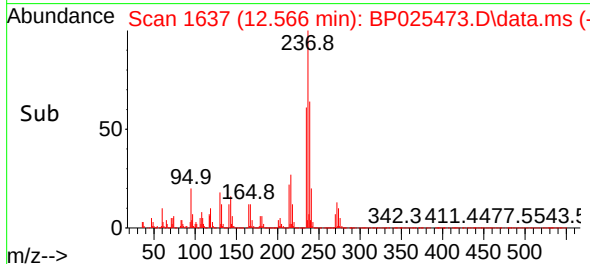
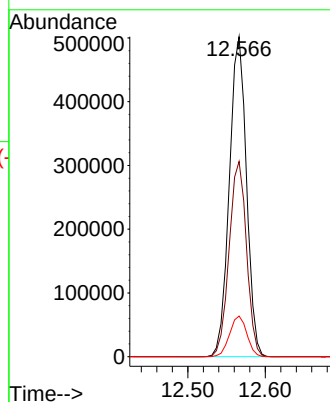
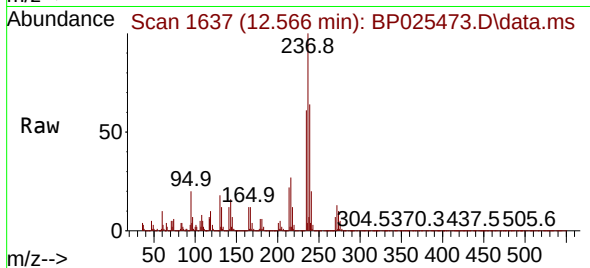




#41
Hexachlorocyclopentadiene
Concen: 90.496 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

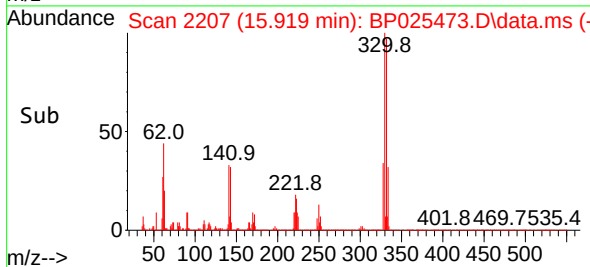
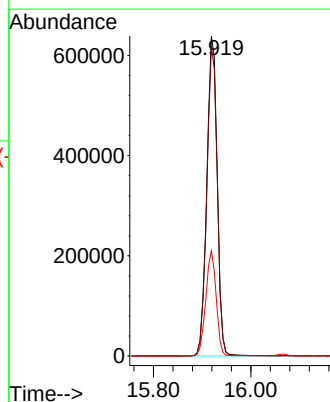
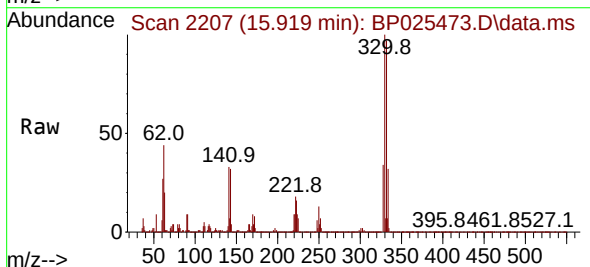
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

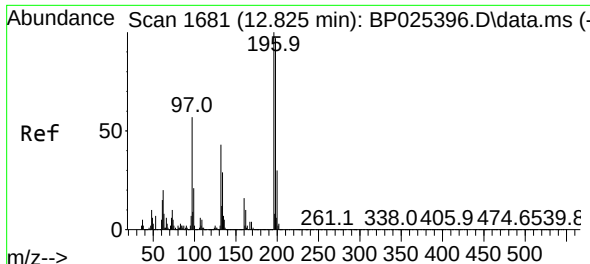
Tgt Ion:237 Resp: 771660
Ion Ratio Lower Upper
237 100
235 61.0 42.7 82.7
272 12.7 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 144.154 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:330 Resp: 948405
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 32.9 26.6 39.8

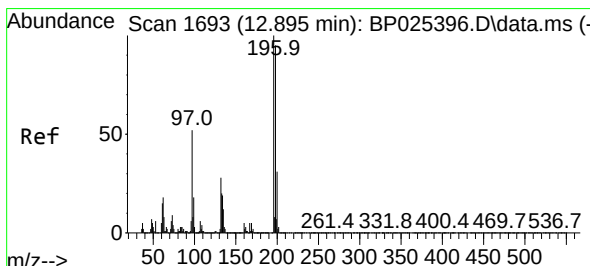
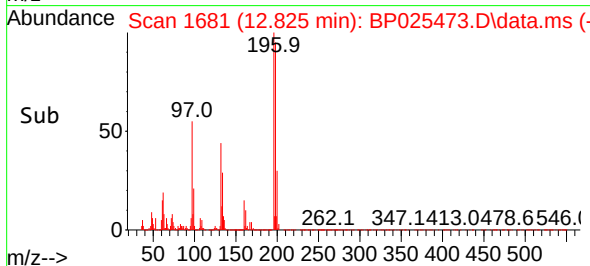
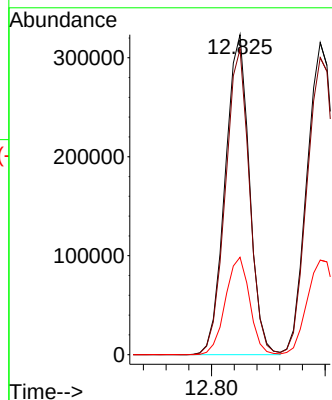
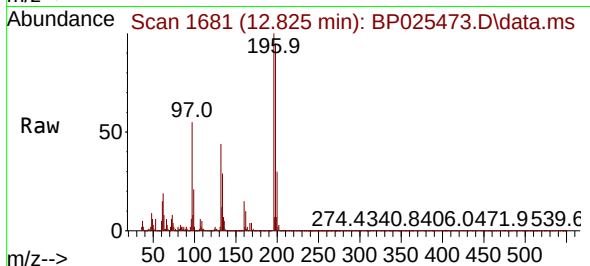




#43
2,4,6-Trichlorophenol
Concen: 50.315 ng
RT: 12.825 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

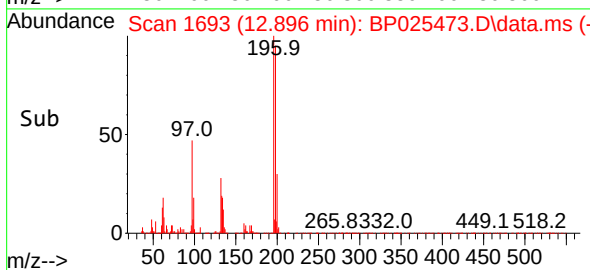
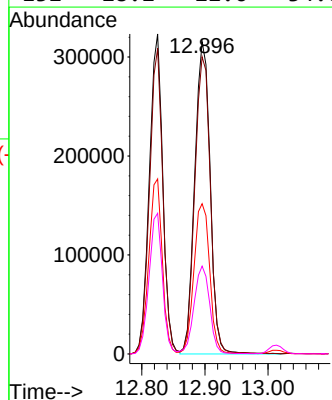
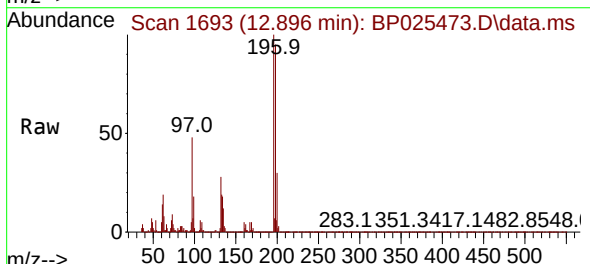
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

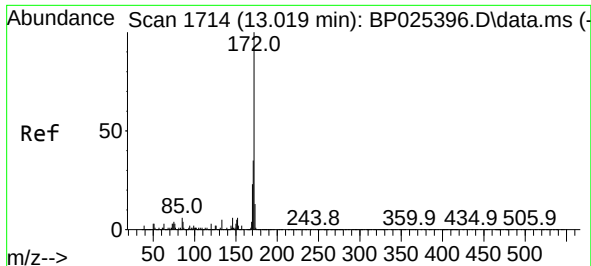
Tgt Ion:196 Resp: 479514
Ion Ratio Lower Upper
196 100
198 95.5 77.2 115.8
200 30.4 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 51.353 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:196 Resp: 536382
Ion Ratio Lower Upper
196 100
198 95.2 76.2 114.2
97 48.1 41.2 61.8
132 28.2 22.6 34.0

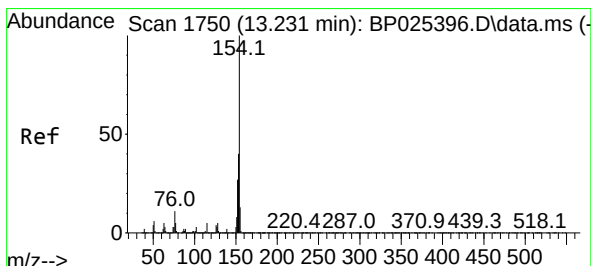
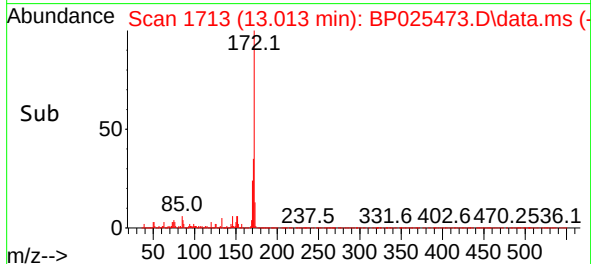
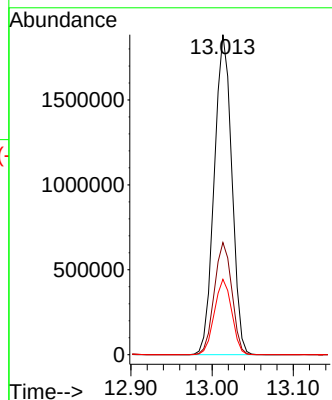
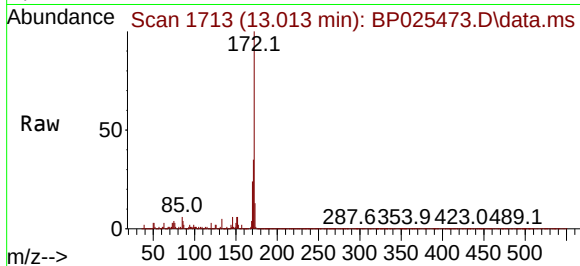




#45
2-Fluorobiphenyl
Concen: 79.179 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

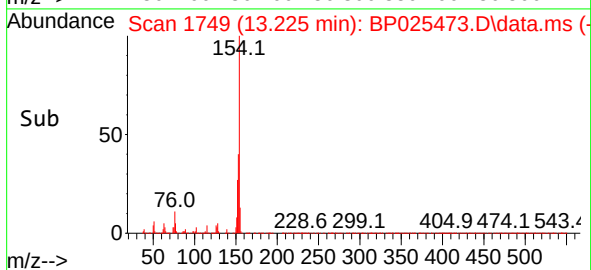
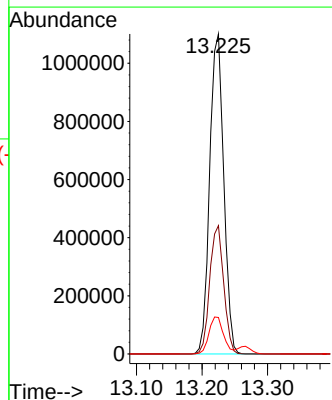
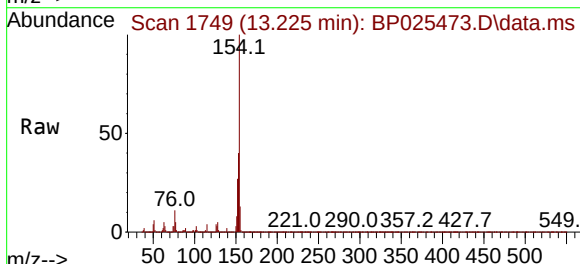
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

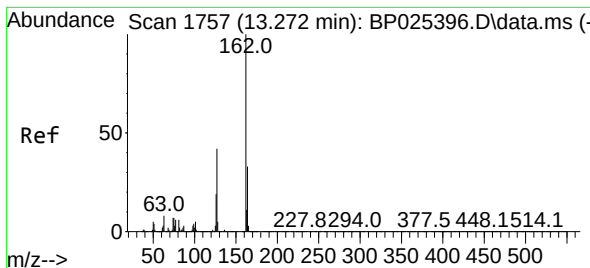
Tgt Ion:172 Resp: 2831786
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 46.160 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:154 Resp: 1638603
Ion Ratio Lower Upper
154 100
153 40.1 19.5 59.5
76 11.4 0.0 31.1

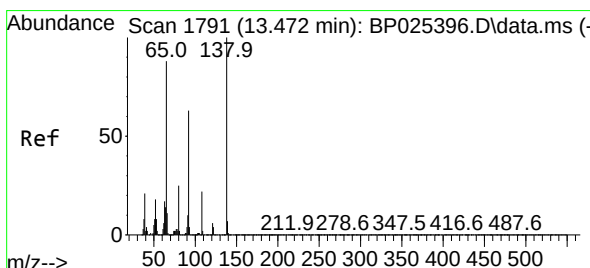
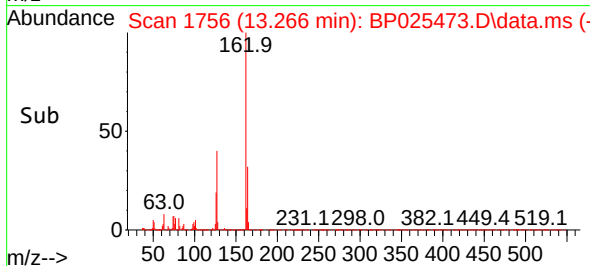
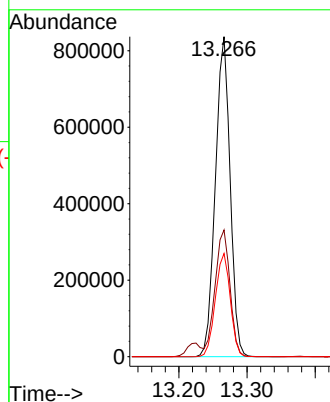
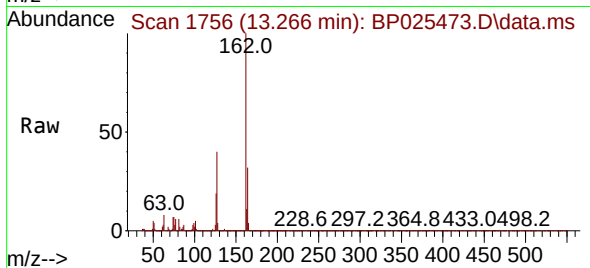




#47
2-Chloronaphthalene
Concen: 45.586 ng
RT: 13.266 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

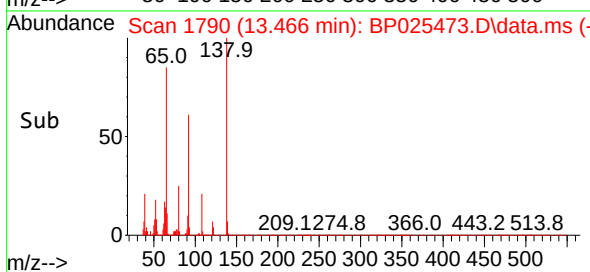
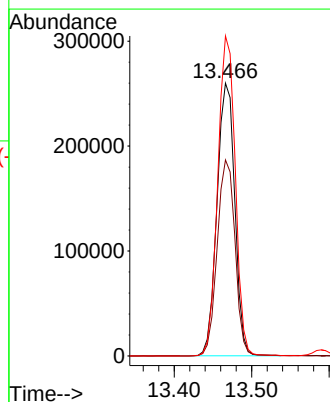
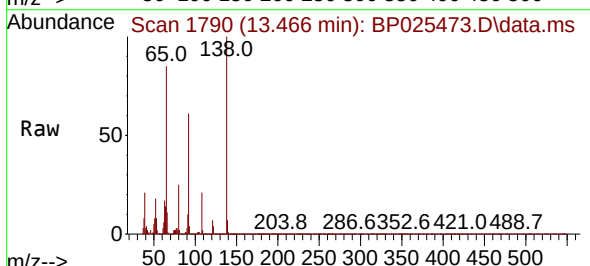
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

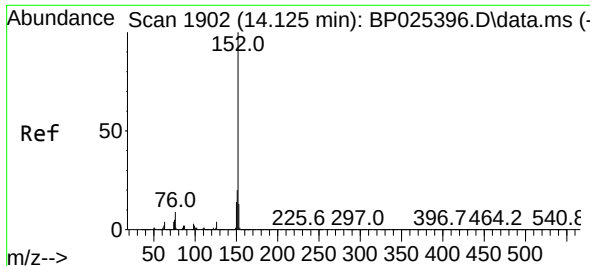
Tgt Ion:162 Resp: 1259783
Ion Ratio Lower Upper
162 100
127 39.6 33.4 50.2
164 32.2 26.2 39.2



#48
2-Nitroaniline
Concen: 51.546 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 65 Resp: 415059
Ion Ratio Lower Upper
65 100
92 71.9 57.6 86.4
138 117.3 91.0 136.6

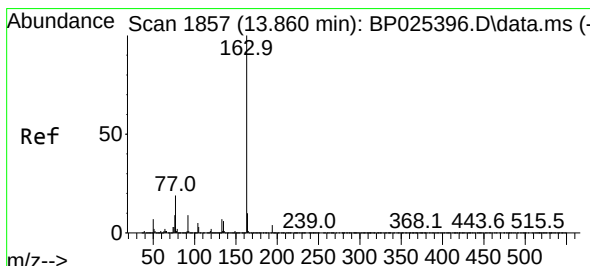
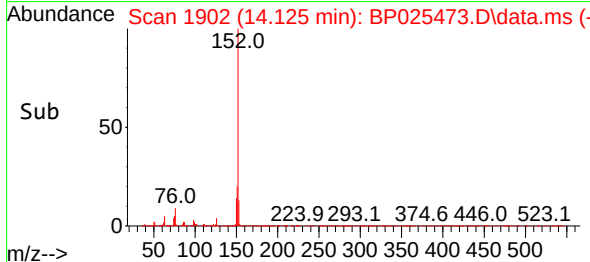
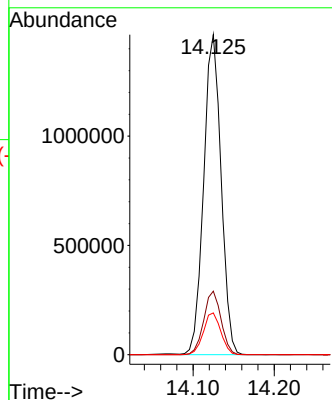
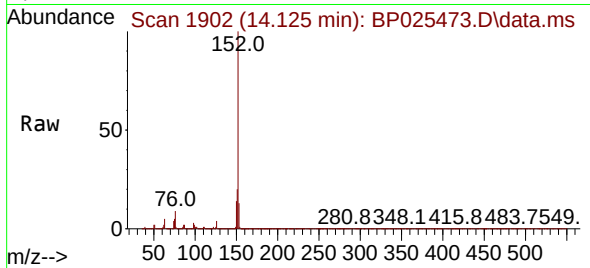




#49
Acenaphthylene
Concen: 47.615 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

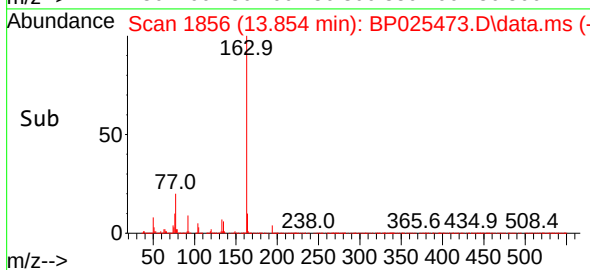
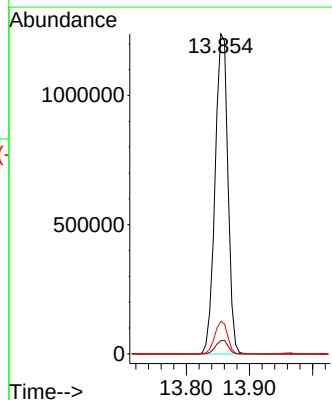
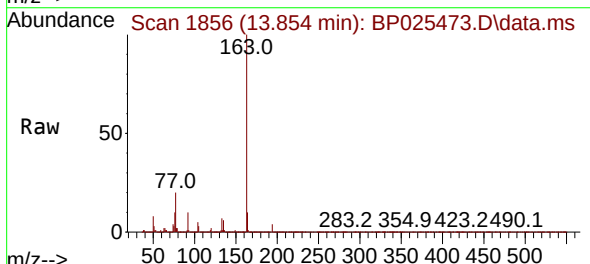
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

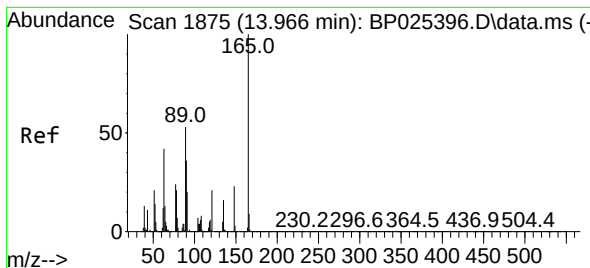
Tgt Ion:152 Resp: 2177367
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.0 10.6 15.8



#50
Dimethylphthalate
Concen: 48.585 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:163 Resp: 1738994
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.2 7.9 11.9

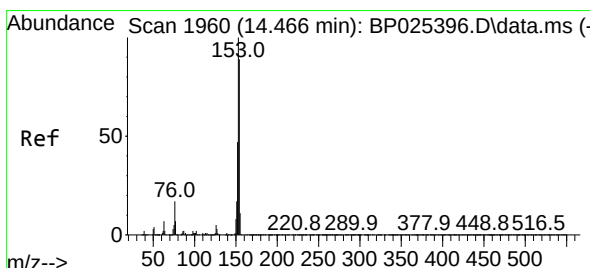
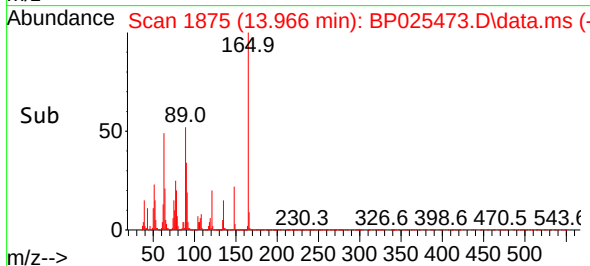
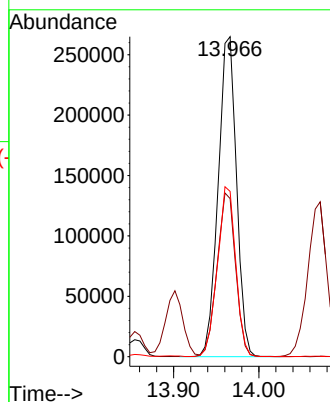
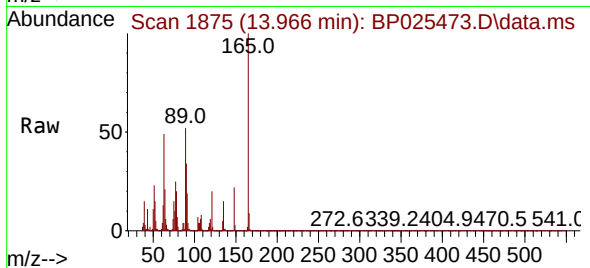




#51
2,6-Dinitrotoluene
Concen: 52.404 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

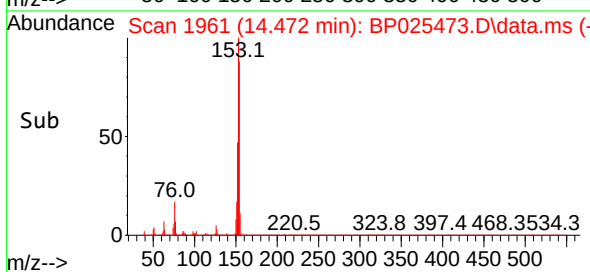
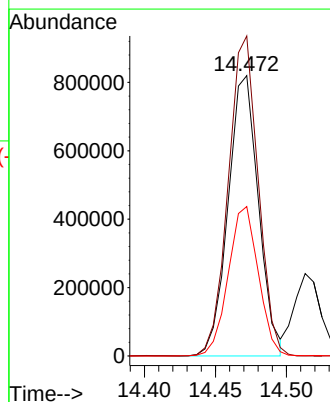
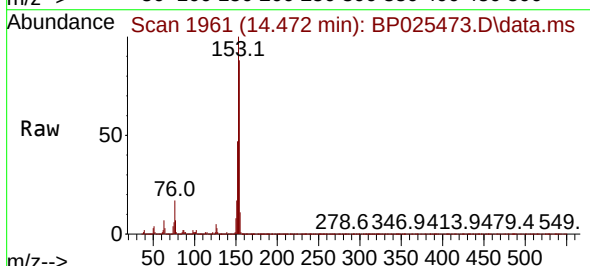
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

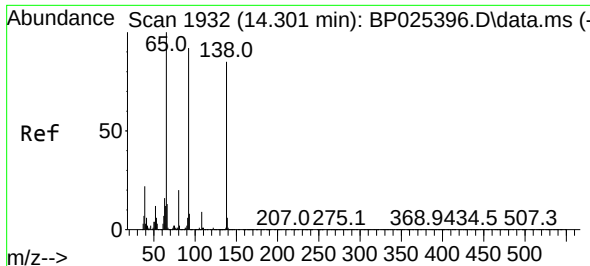
Tgt Ion:165 Resp: 395341
Ion Ratio Lower Upper
165 100
63 49.4 40.9 61.3
89 51.6 42.1 63.1



#52
Acenaphthene
Concen: 45.457 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:154 Resp: 1220137
Ion Ratio Lower Upper
154 100
153 114.1 90.2 135.2
152 53.3 42.1 63.1

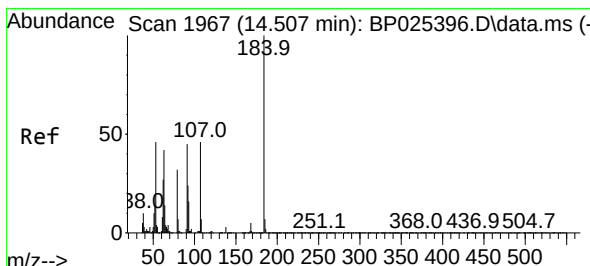
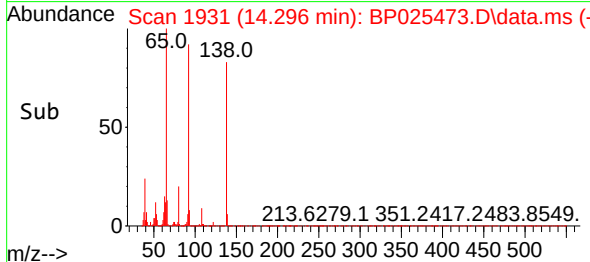
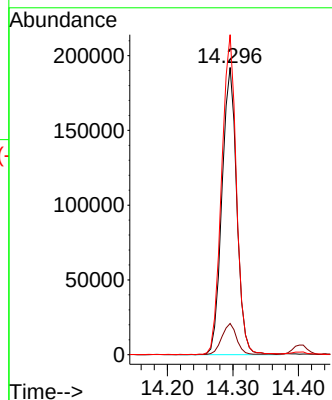
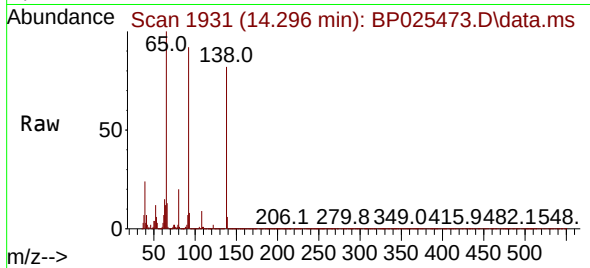




#53
3-Nitroaniline
Concen: 35.392 ng
RT: 14.296 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

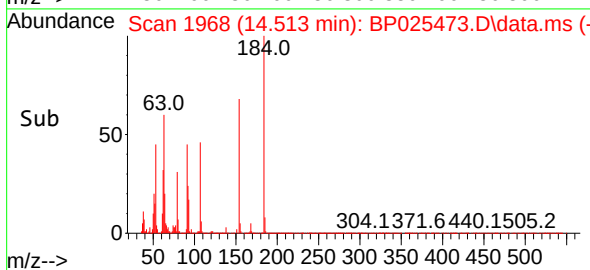
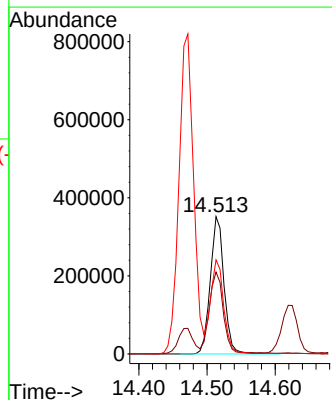
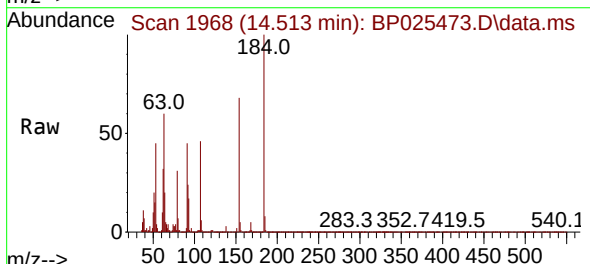
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

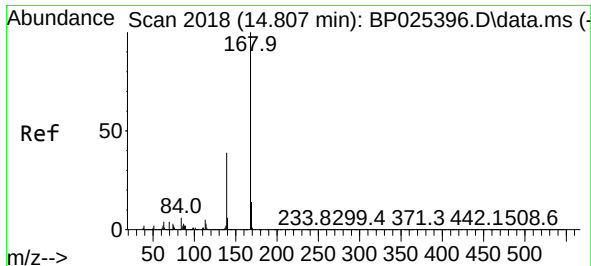
Tgt Ion:138 Resp: 300405
Ion Ratio Lower Upper
138 100
108 10.9 8.3 12.5
92 111.4 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 123.038 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:184 Resp: 495694
Ion Ratio Lower Upper
184 100
63 59.7 49.4 74.2
154 68.5 54.6 82.0

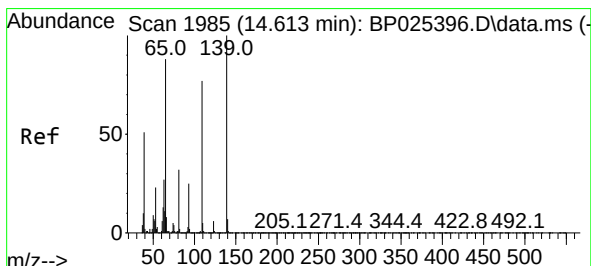
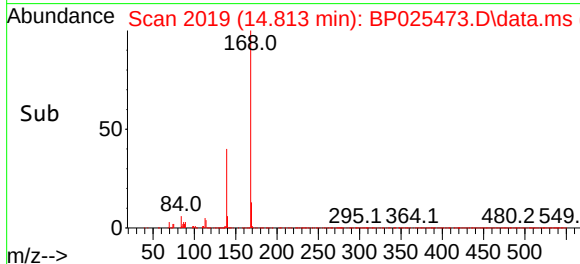
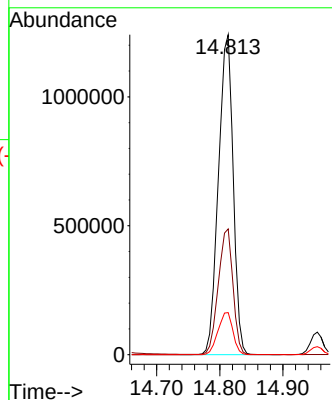
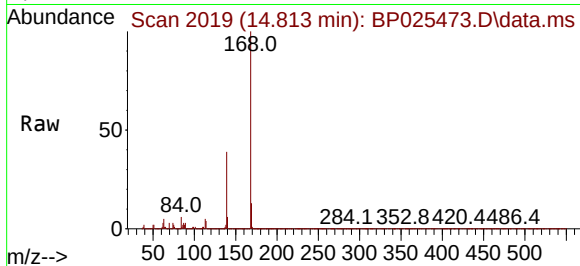




#55
Dibenzofuran
Concen: 47.295 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

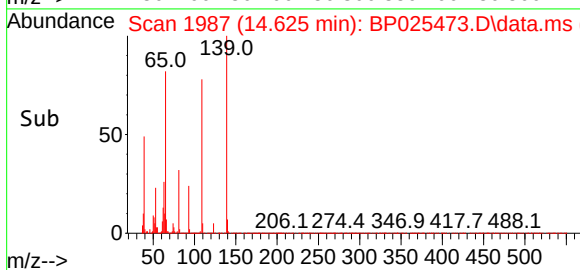
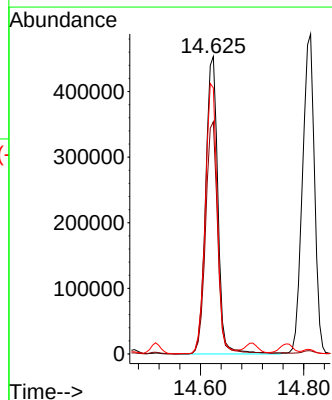
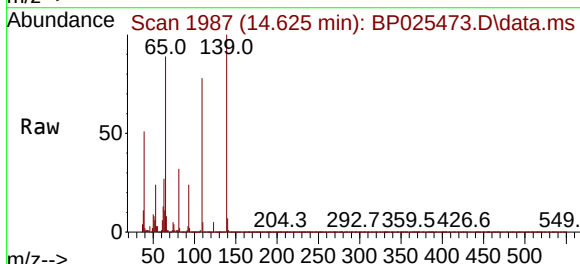
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

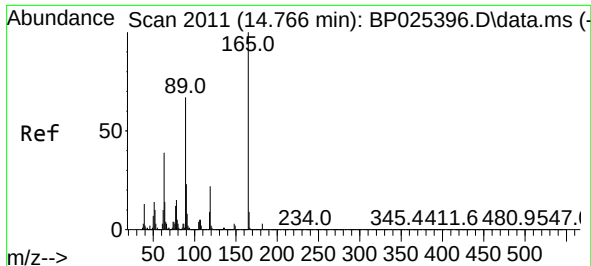
Tgt Ion:168 Resp: 2007042
Ion Ratio Lower Upper
168 100
139 39.3 31.5 47.3
169 13.2 10.9 16.3



#56
4-Nitrophenol
Concen: 107.051 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:139 Resp: 746663
Ion Ratio Lower Upper
139 100
109 78.0 56.6 96.6
65 89.5 68.2 108.2

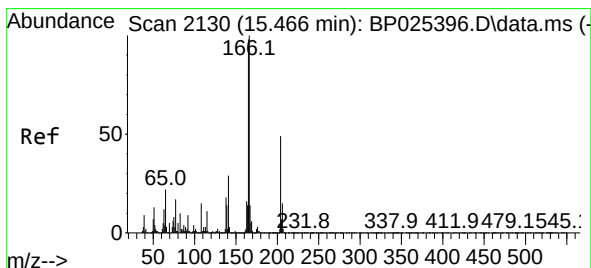
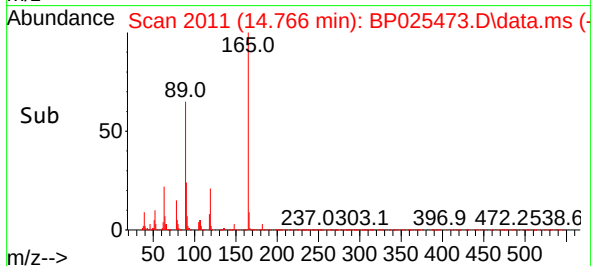
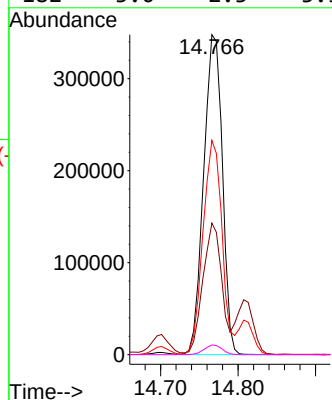
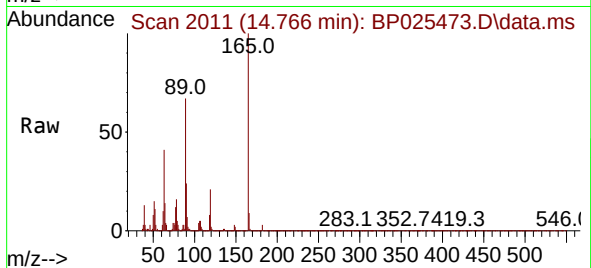




#57
2,4-Dinitrotoluene
Concen: 54.187 ng
RT: 14.766 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

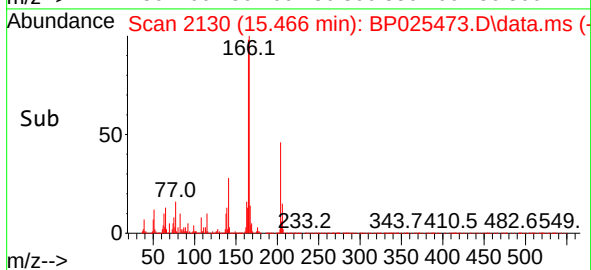
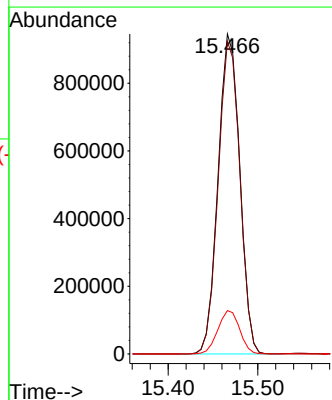
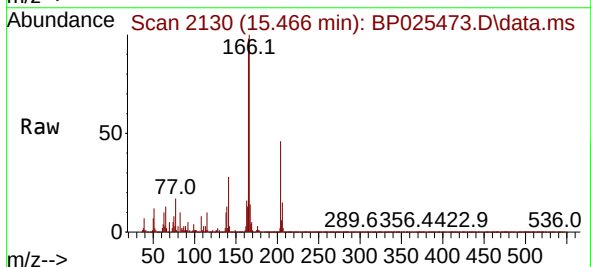
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

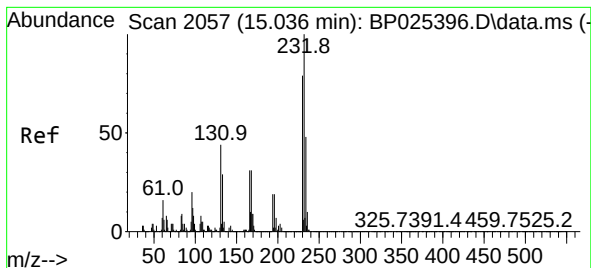
Tgt Ion:	165	Resp:	583246
Ion	Ratio	Lower	Upper
165	100		
63	41.1	31.4	47.2
89	67.0	53.3	79.9
182	3.0	2.3	3.5



#58
Fluorene
Concen: 47.465 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:	166	Resp:	1589403
Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.8	118.2
167	13.5	11.0	16.4

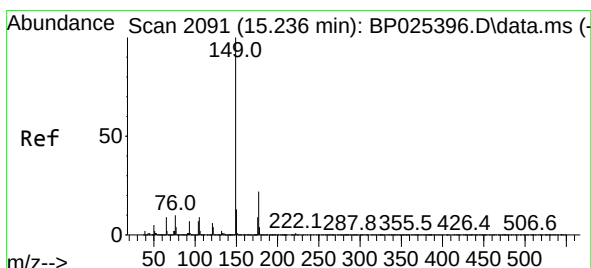
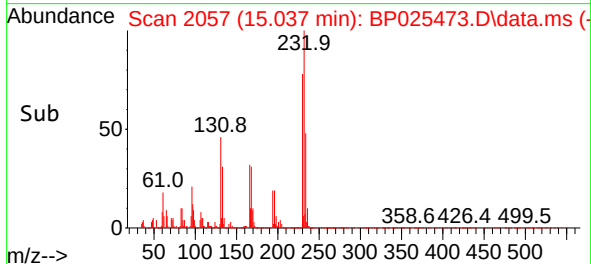
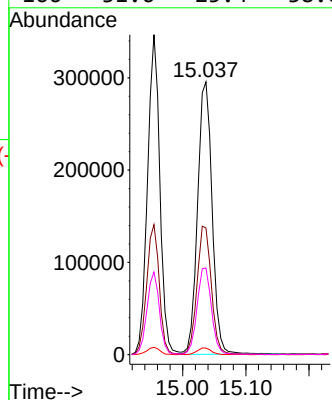
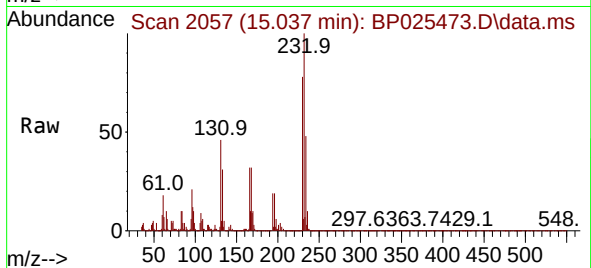




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.220 ng
RT: 15.037 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

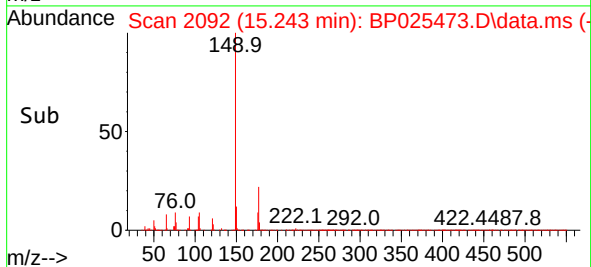
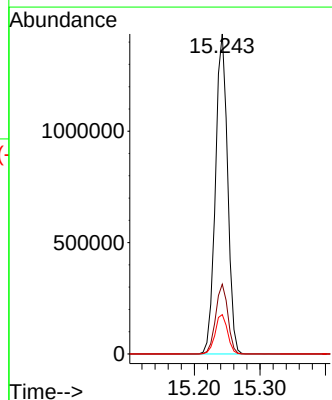
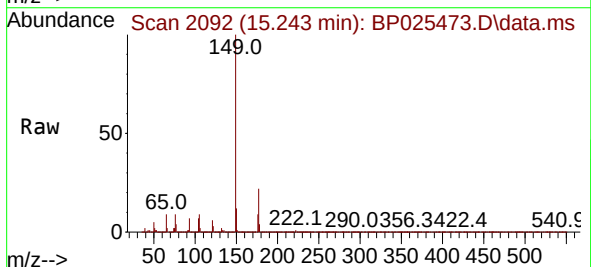
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

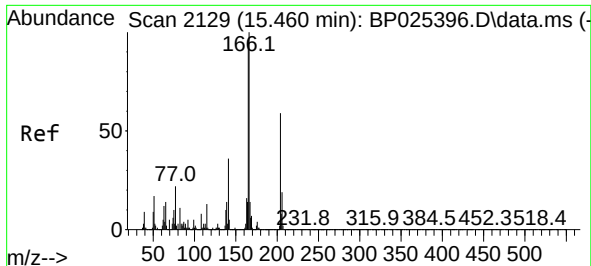
Tgt Ion:	232	Resp:	472386
Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.0	55.6
130	2.4	1.9	2.9
166	31.6	25.4	38.0



#60
Diethylphthalate
Concen: 50.715 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:	149	Resp:	1844493
Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.3	25.9
150	12.3	10.3	15.5

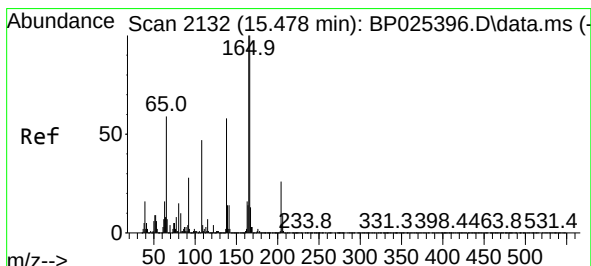
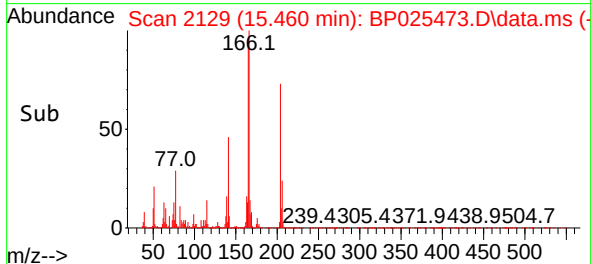
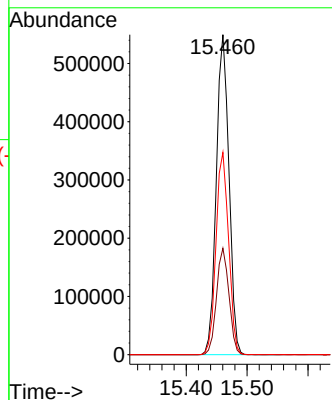
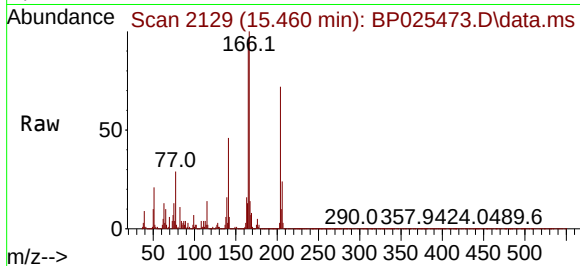




#61
4-Chlorophenyl-phenylether
Concen: 47.436 ng
RT: 15.460 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

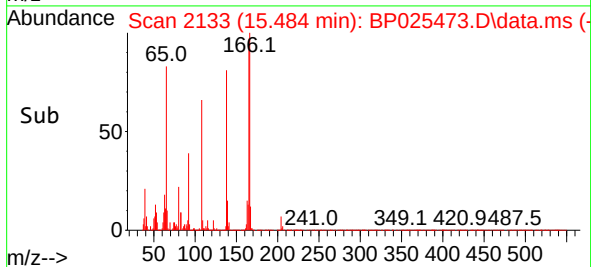
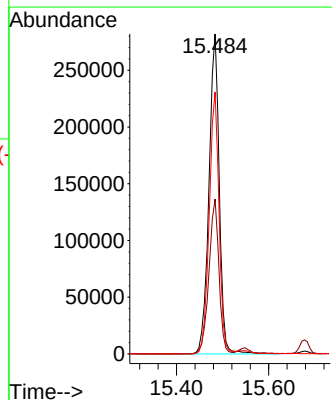
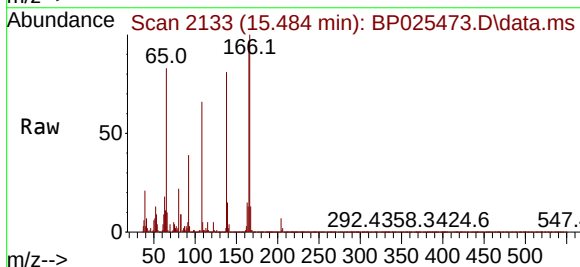
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

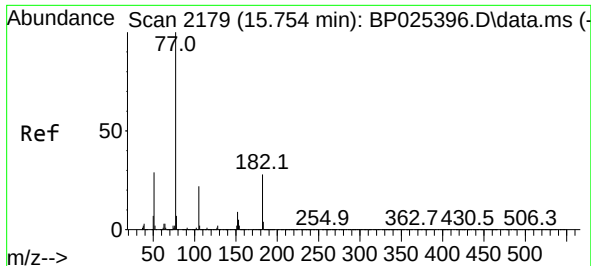
Tgt Ion:204 Resp: 789982
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.8
141 63.2 49.4 74.2



#62
4-Nitroaniline
Concen: 50.825 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:138 Resp: 442261
Ion Ratio Lower Upper
138 100
92 48.4 29.1 69.1
108 81.9 61.5 101.5



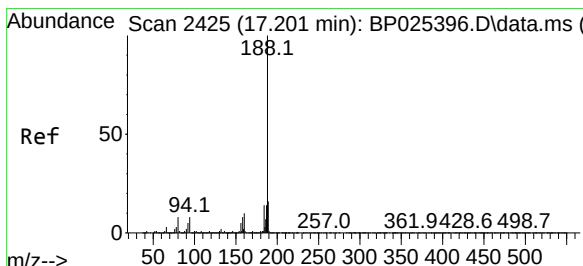
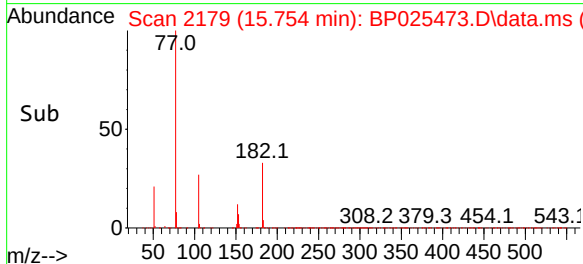
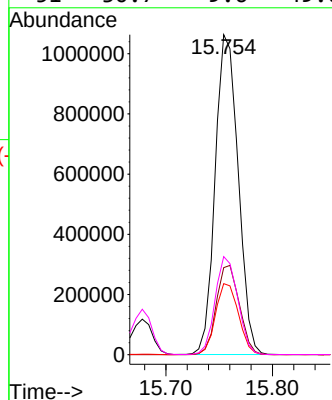
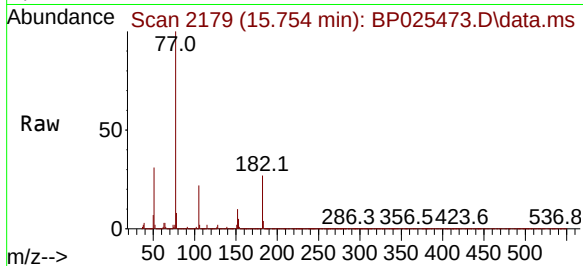


#63
Azobenzene
Concen: 51.181 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Instrument :
BNA_P
ClientSampleId :
PB169244BSD

Tgt Ion: 77 Resp: 1593888

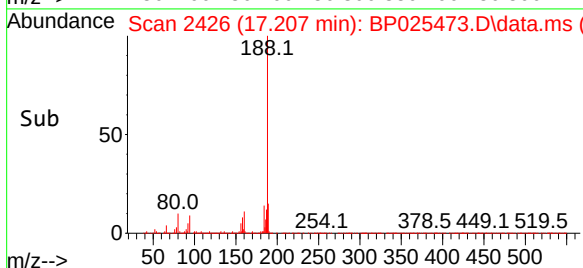
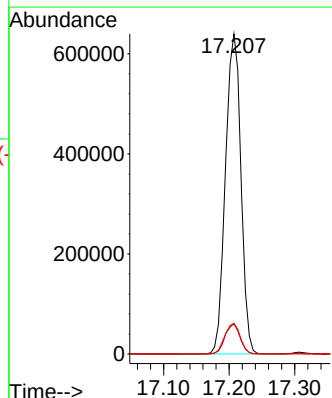
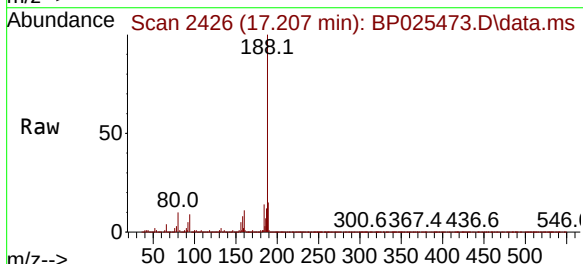
Ion	Ratio	Lower	Upper
77	100		
182	27.2	7.5	47.5
105	22.2	2.1	42.1
51	30.7	9.6	49.6

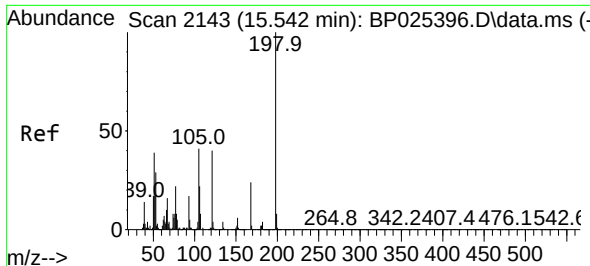


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion: 188 Resp: 1043571

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.6	10.0
80	9.6	6.7	10.1

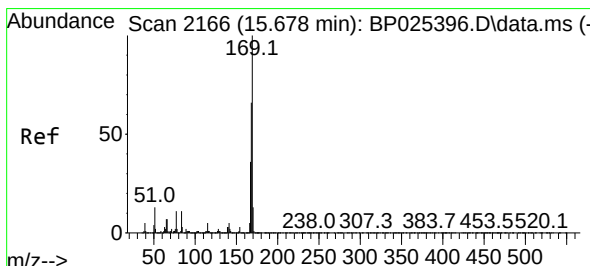
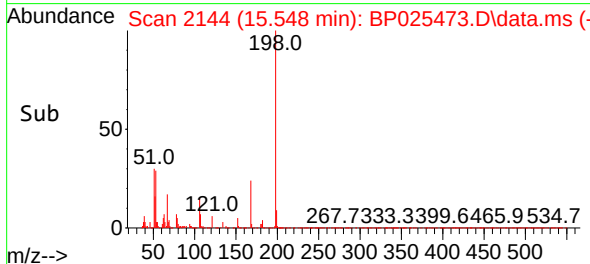
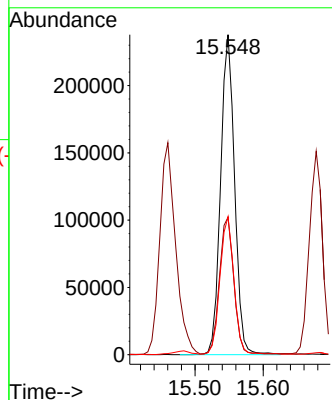
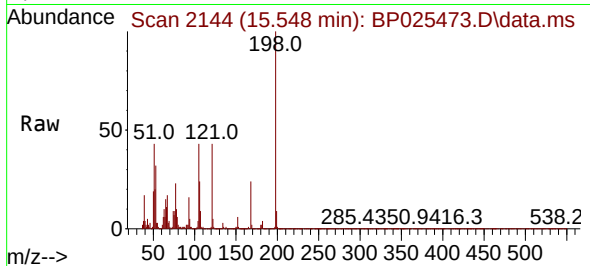




#65
4,6-Dinitro-2-methylphenol
Concen: 52.303 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

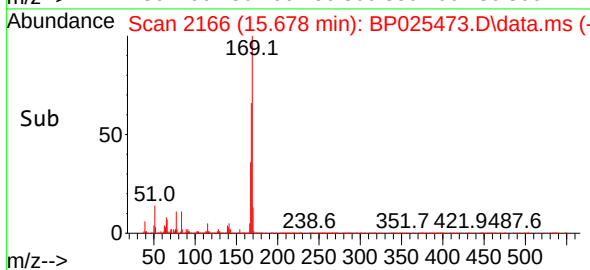
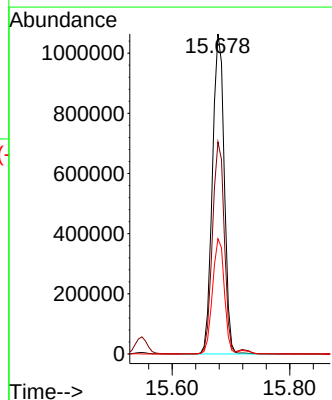
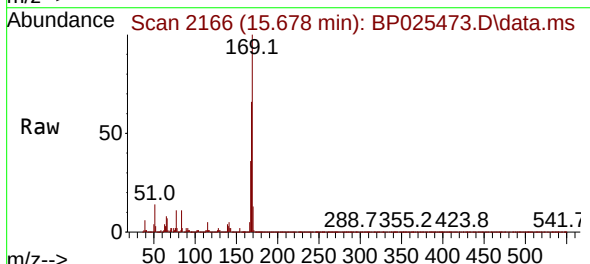
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

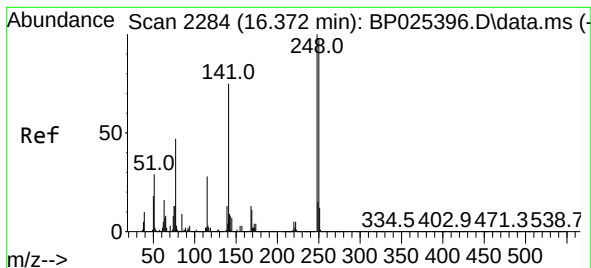
Tgt Ion:198 Resp: 340236
Ion Ratio Lower Upper
198 100
51 42.9 19.6 59.6
105 43.1 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 46.603 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:169 Resp: 1483025
Ion Ratio Lower Upper
169 100
168 66.3 53.2 79.8
167 36.0 28.7 43.1

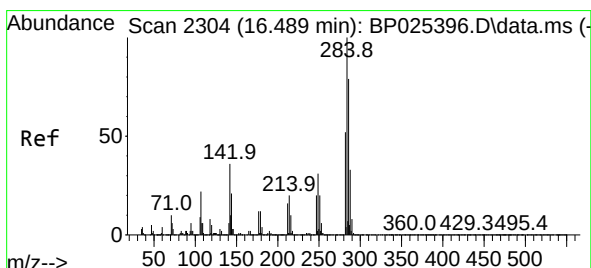
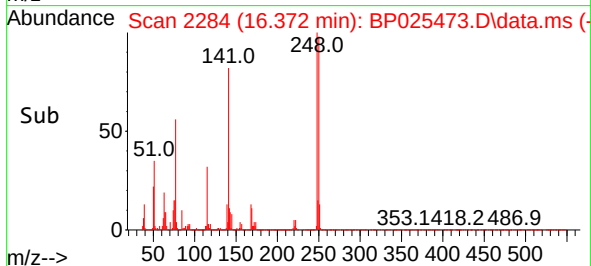
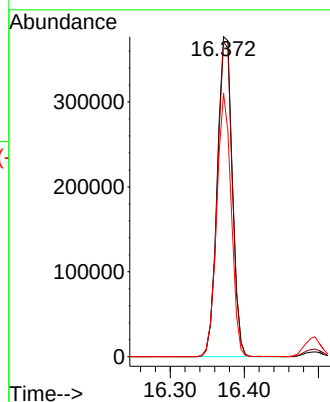
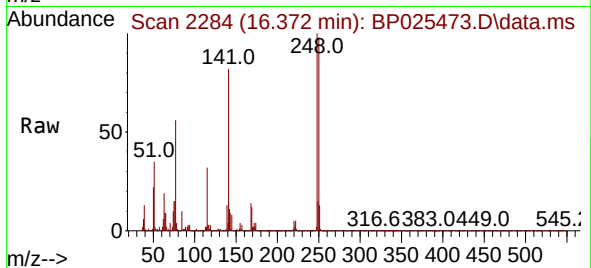




#67
4-Bromophenyl-phenylether
Concen: 46.291 ng
RT: 16.372 min Scan# 210
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

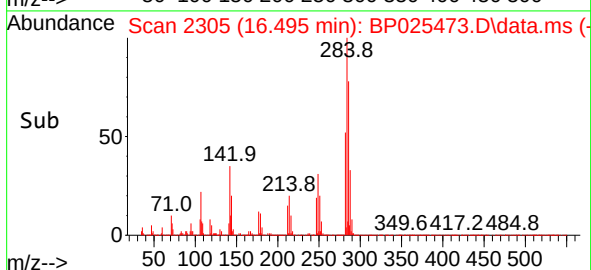
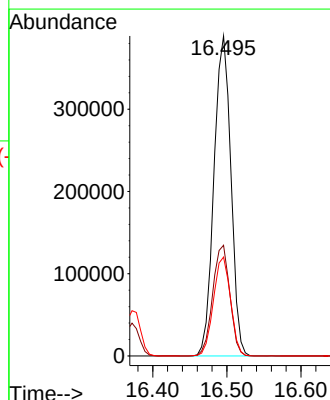
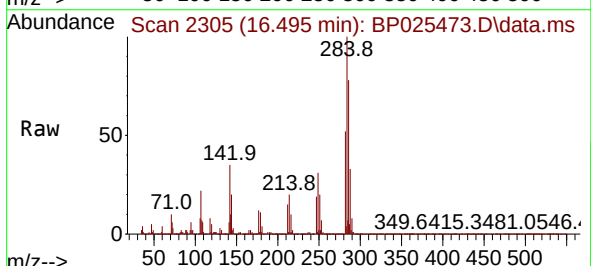
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

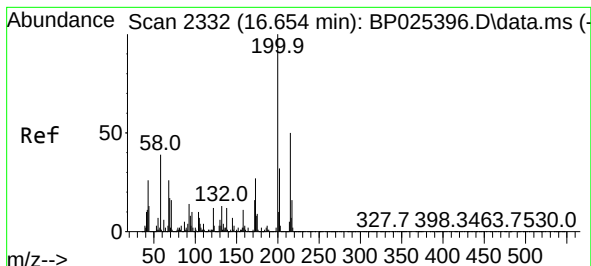
Tgt Ion:248 Resp: 531300
Ion Ratio Lower Upper
248 100
250 98.3 78.2 117.2
141 82.4 59.6 89.4



#68
Hexachlorobenzene
Concen: 46.335 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:284 Resp: 616466
Ion Ratio Lower Upper
284 100
142 34.6 29.1 43.7
249 30.9 25.0 37.4





#69

Atrazine

Concen: 49.512 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

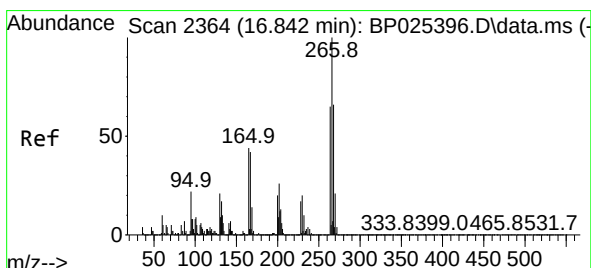
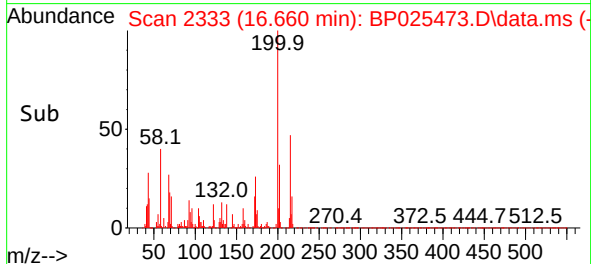
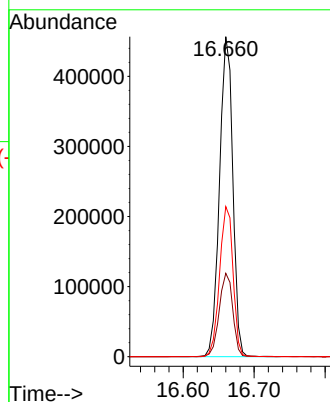
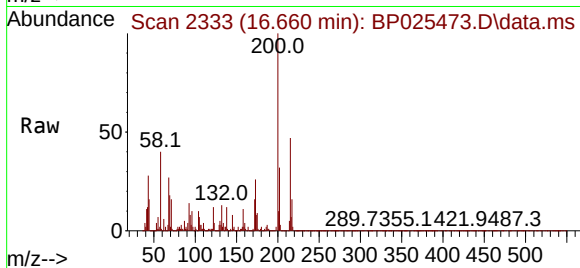
Tgt Ion:200 Resp: 590070

Ion Ratio Lower Upper

200 100

173 26.1 6.7 46.7

215 46.9 29.7 69.7



#70

Pentachlorophenol

Concen: 100.486 ng

RT: 16.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

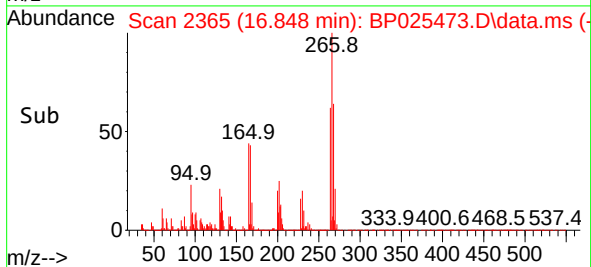
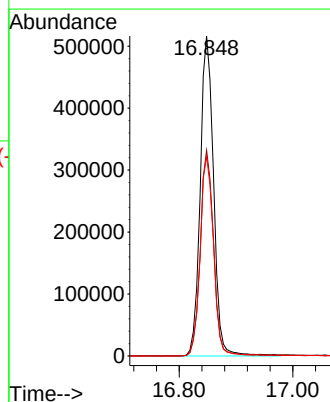
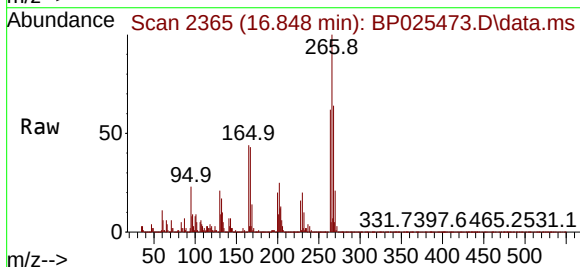
Tgt Ion:266 Resp: 843937

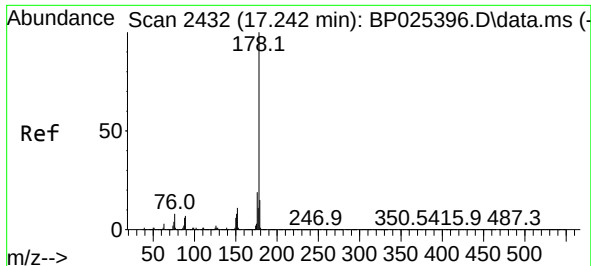
Ion Ratio Lower Upper

266 100

268 64.3 52.6 79.0

264 62.4 52.0 78.0

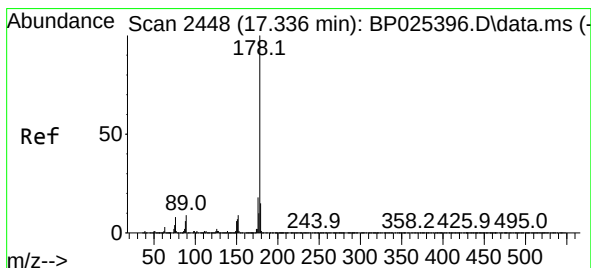
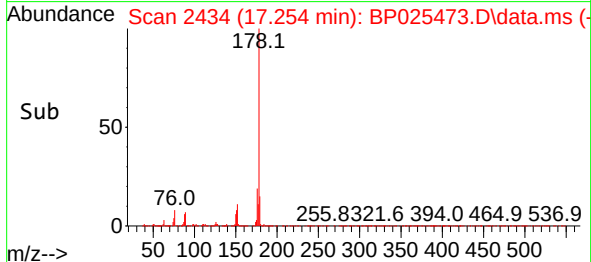
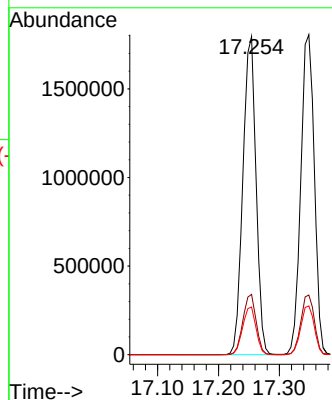
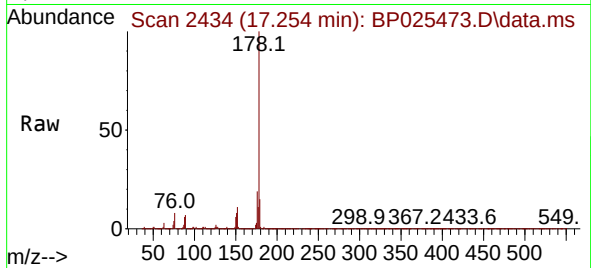




#71
Phenanthrene
Concen: 46.873 ng
RT: 17.254 min Scan# 2432
Delta R.T. 0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

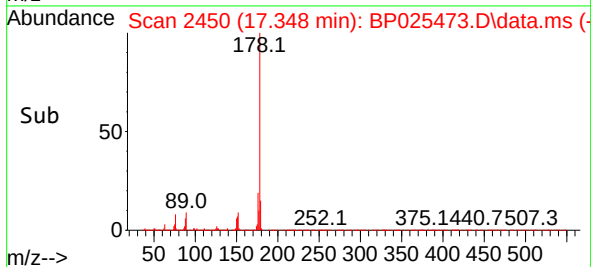
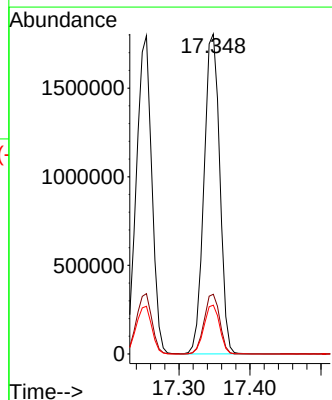
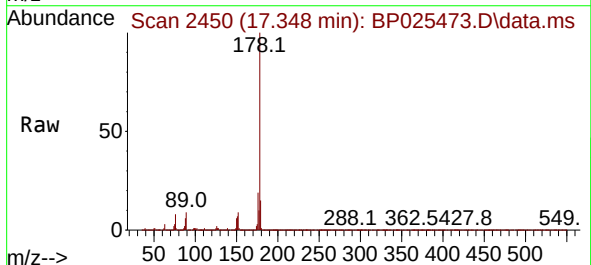
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

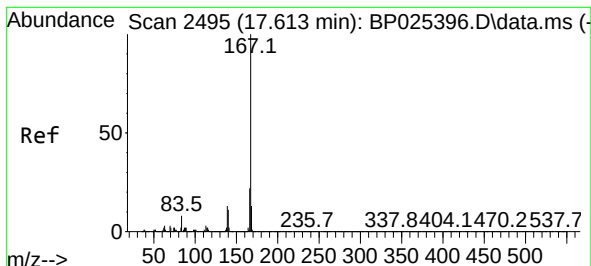
Tgt Ion:178 Resp: 2687053
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.0 12.2 18.4



#72
Anthracene
Concen: 47.501 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:178 Resp: 2780840
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.3 12.2 18.2





#73

Carbazole

Concen: 47.978 ng

RT: 17.619 min Scan# 2495

Delta R.T. 0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

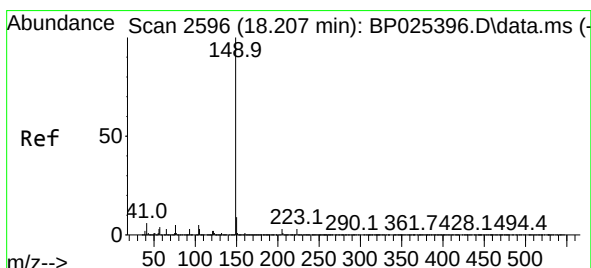
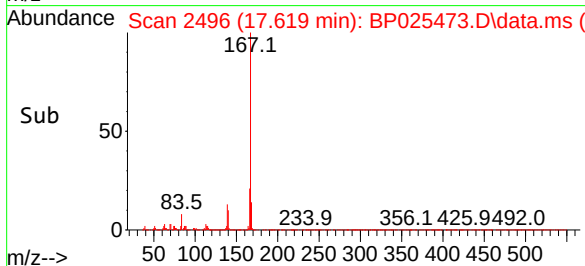
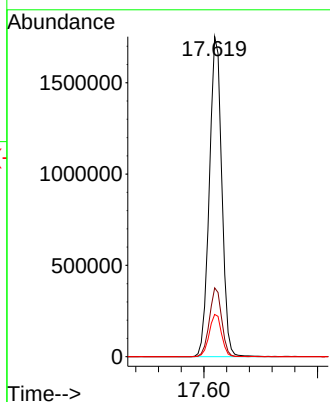
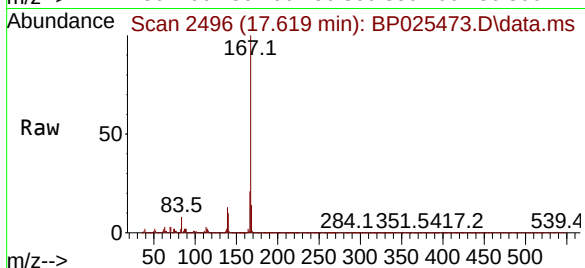
Tgt Ion:167 Resp: 2645585

Ion Ratio Lower Upper

167 100

166 21.5 17.5 26.3

139 13.2 10.6 16.0



#74

Di-n-butylphthalate

Concen: 49.751 ng

RT: 18.213 min Scan# 2597

Delta R.T. 0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

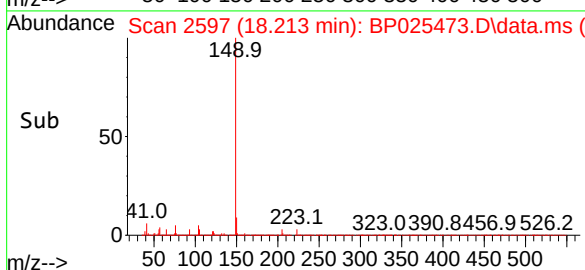
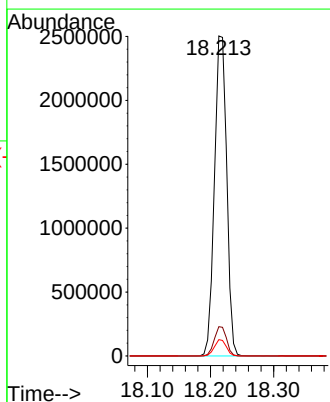
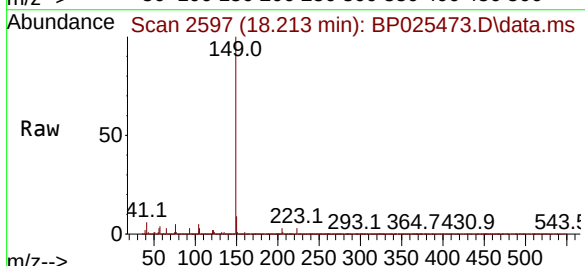
Tgt Ion:149 Resp: 3375219

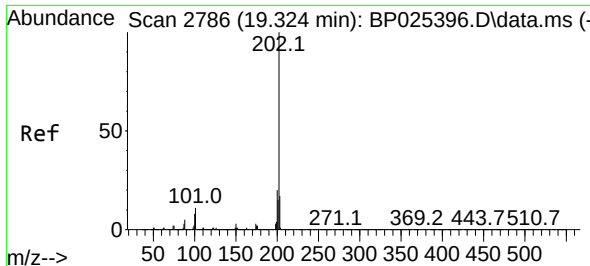
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 5.1 4.2 6.2

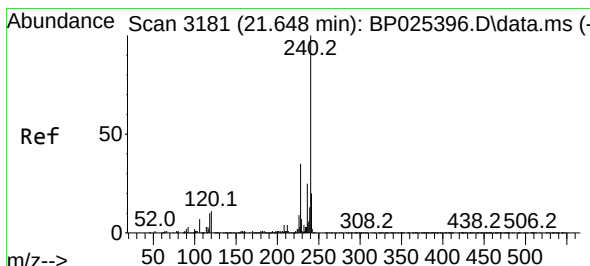
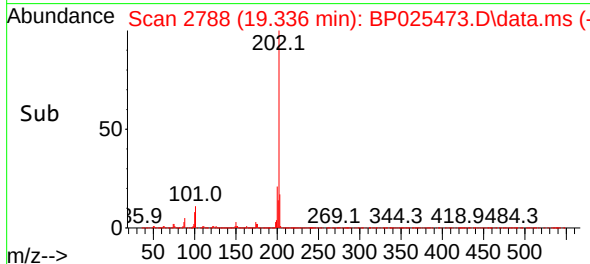
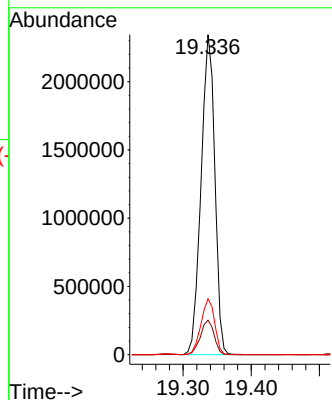
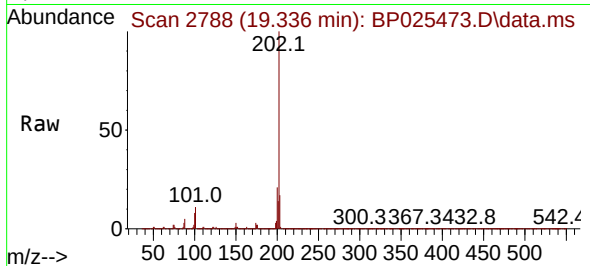




#75
Fluoranthene
Concen: 47.997 ng
RT: 19.336 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

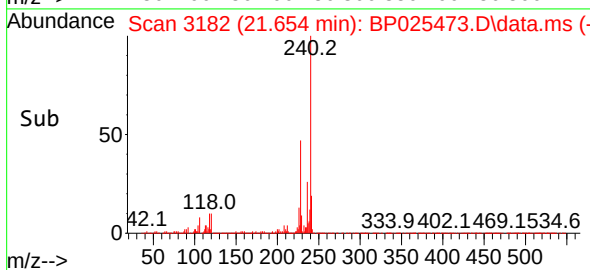
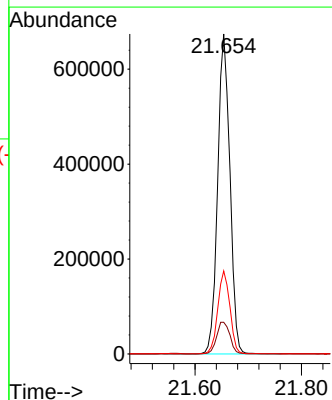
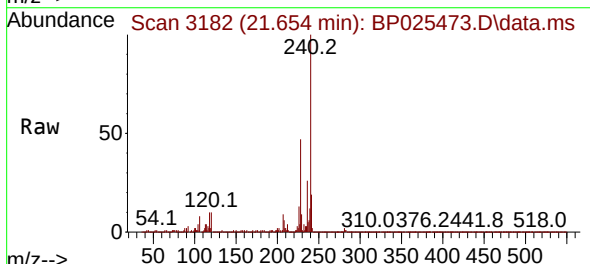
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

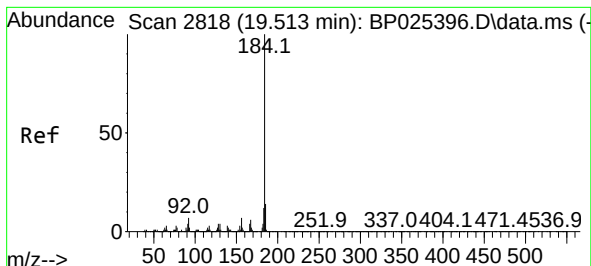
Tgt Ion:202 Resp: 3282061
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.1
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:240 Resp: 1070063
Ion Ratio Lower Upper
240 100
120 9.9 8.9 13.3
236 26.0 19.8 29.8





#77

Benzidine

Concen: 43.560 ng

RT: 19.519 min Scan# 2819

Delta R.T. 0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

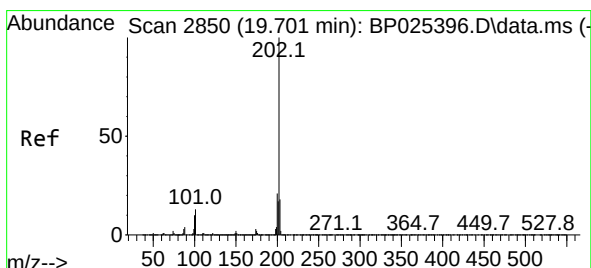
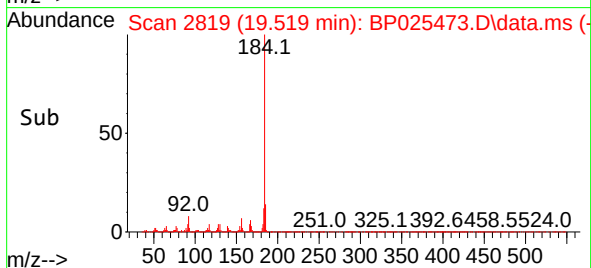
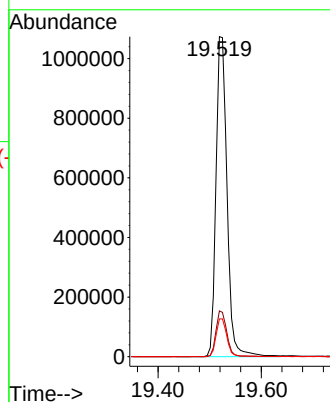
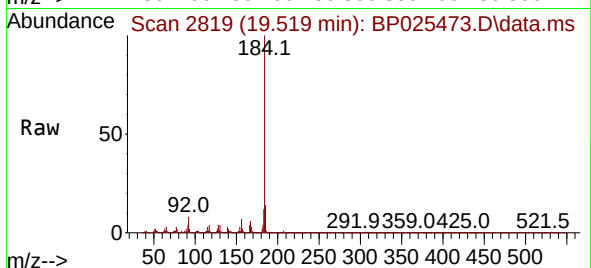
Tgt Ion:184 Resp: 1590772

Ion Ratio Lower Upper

184 100

185 14.3 11.5 17.3

183 11.8 9.4 14.2



#78

Pyrene

Concen: 47.664 ng

RT: 19.713 min Scan# 2852

Delta R.T. 0.012 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

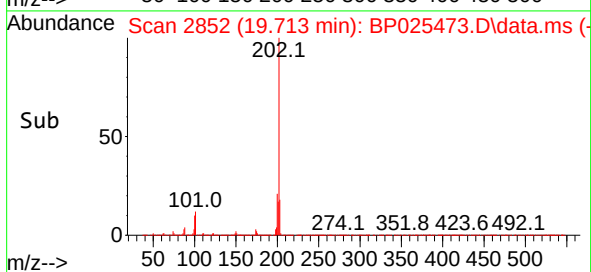
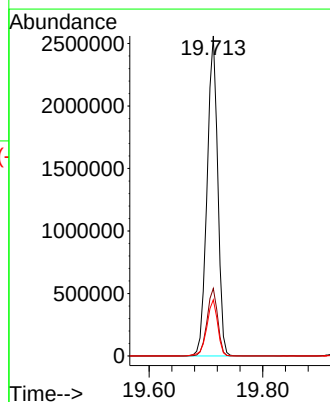
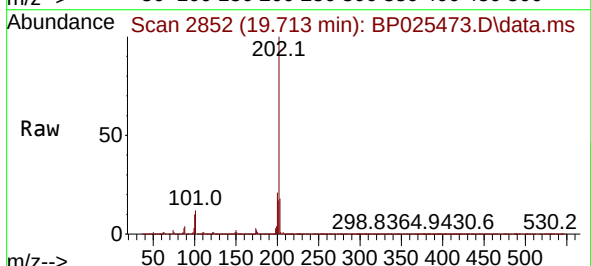
Tgt Ion:202 Resp: 3315062

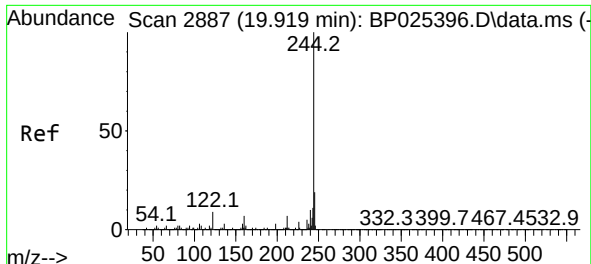
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.6 14.2 21.2

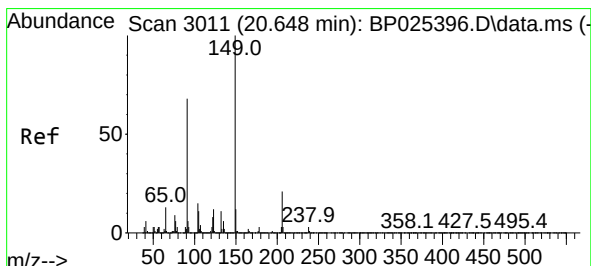
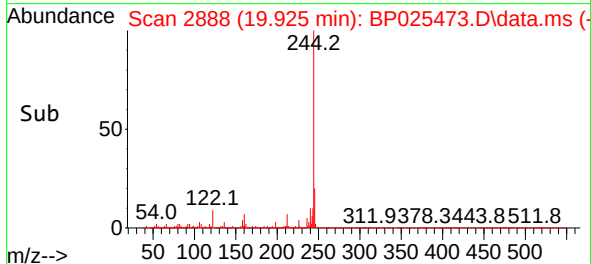
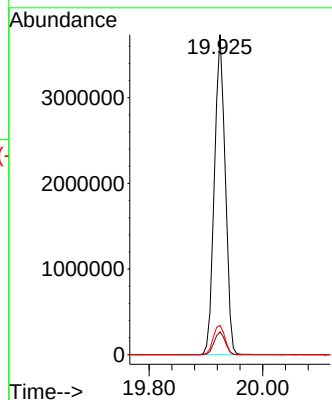
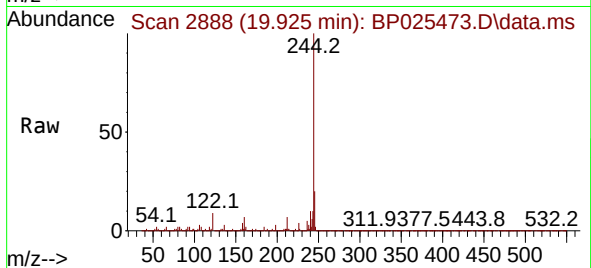




#79
Terphenyl-d14
Concen: 84.162 ng
RT: 19.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

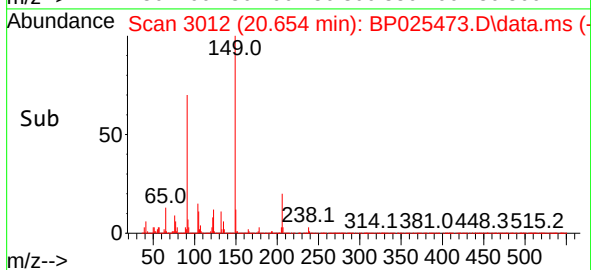
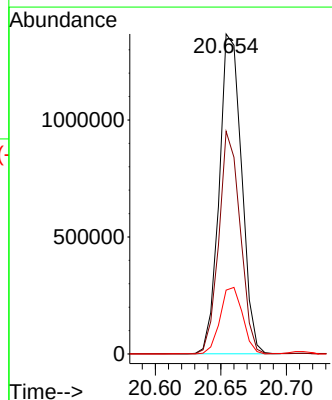
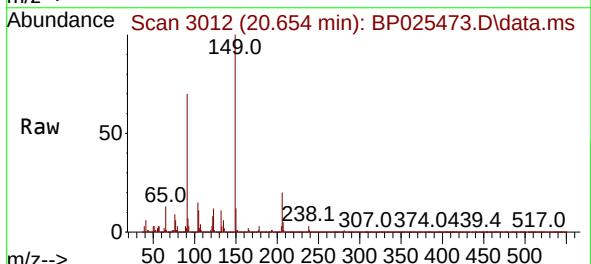
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

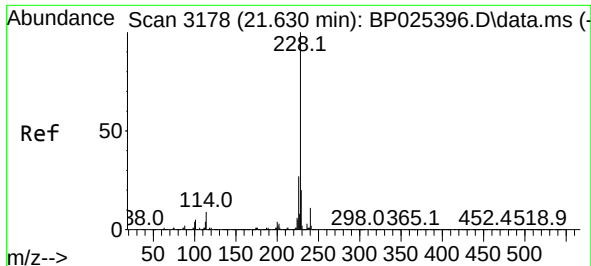
Tgt Ion:244 Resp: 4922368
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 9.1 7.4 11.2



#80
Butylbenzylphthalate
Concen: 51.331 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:149 Resp: 1618023
Ion Ratio Lower Upper
149 100
91 69.5 54.2 81.2
206 19.9 16.6 24.8

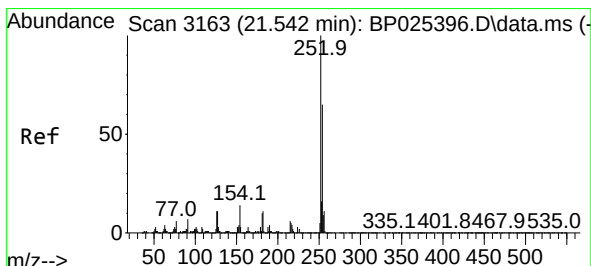
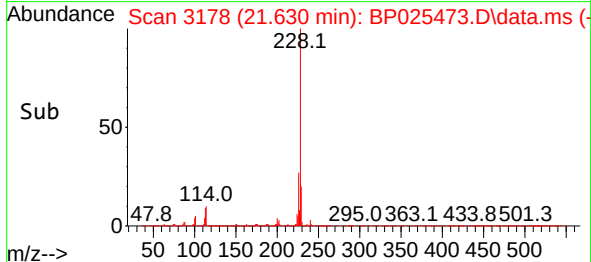
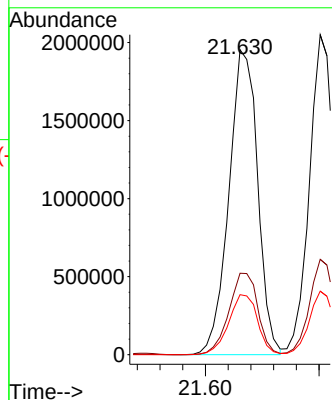
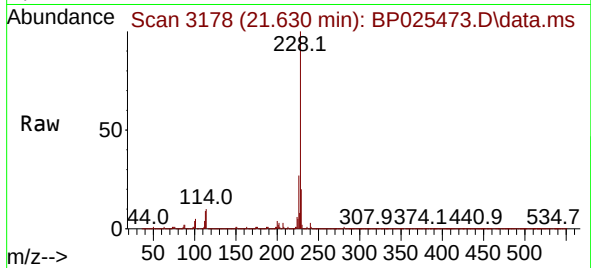




#81
Benzo(a)anthracene
Concen: 48.736 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

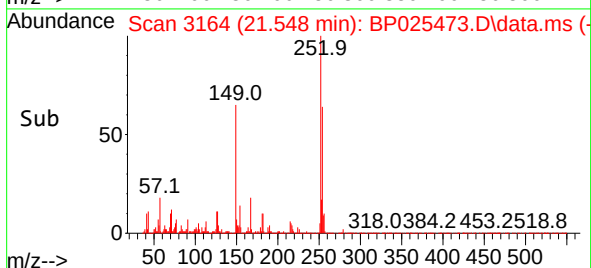
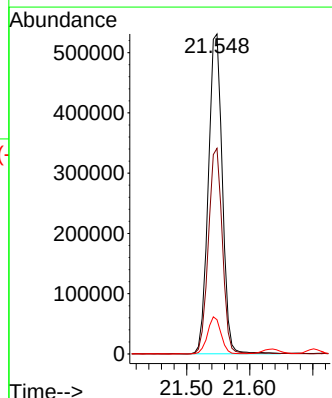
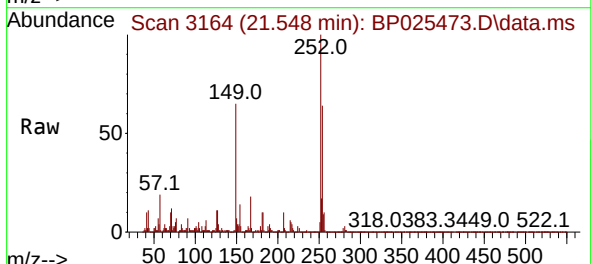
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

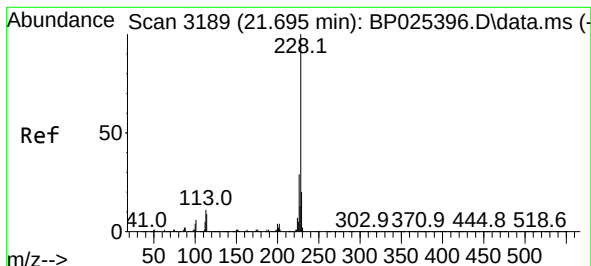
Tgt Ion:228 Resp: 3439380
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 19.7 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 30.701 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:252 Resp: 816647
Ion Ratio Lower Upper
252 100
254 64.3 51.8 77.6
126 10.7 9.1 13.7





#83

Chrysene

Concen: 47.324 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

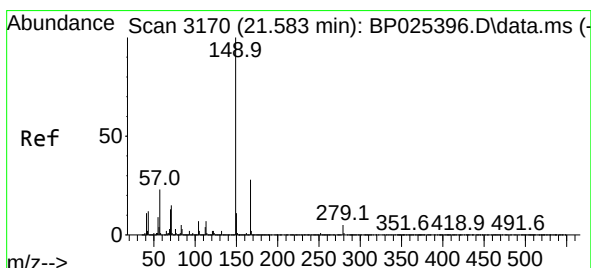
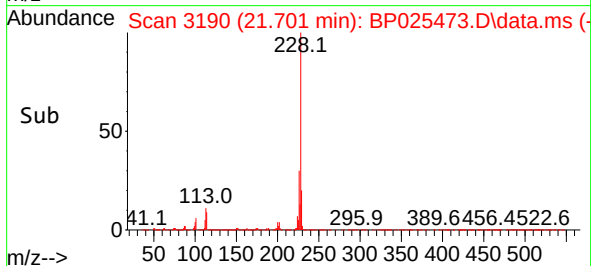
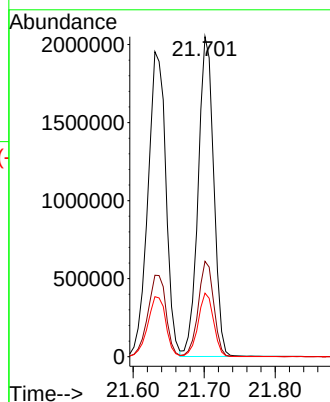
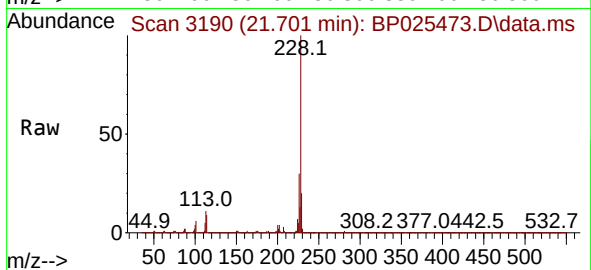
Tgt Ion:228 Resp: 3127598

Ion Ratio Lower Upper

228 100

226 29.8 23.2 34.8

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.084 ng

RT: 21.566 min Scan# 3167

Delta R.T. -0.017 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

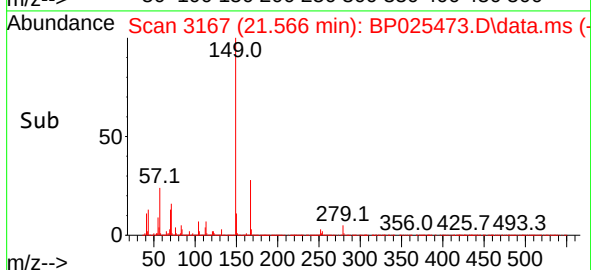
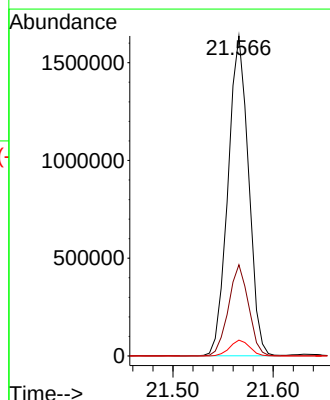
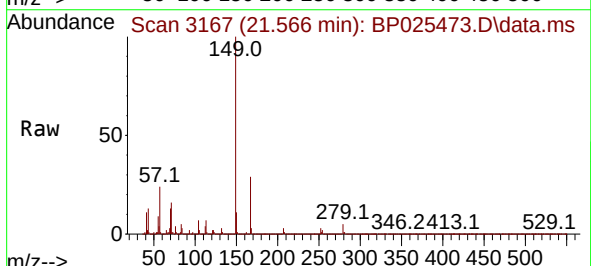
Tgt Ion:149 Resp: 2323944

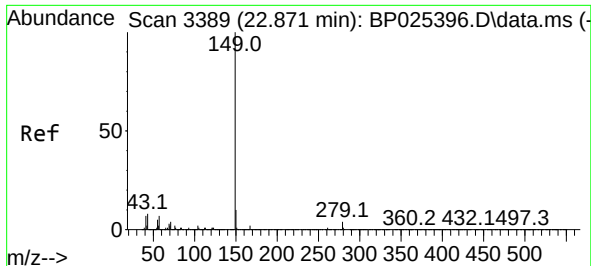
Ion Ratio Lower Upper

149 100

167 28.5 22.1 33.1

279 5.0 3.8 5.6

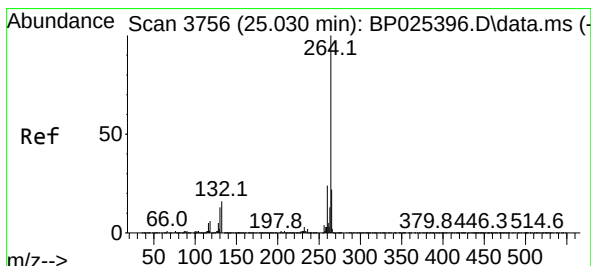
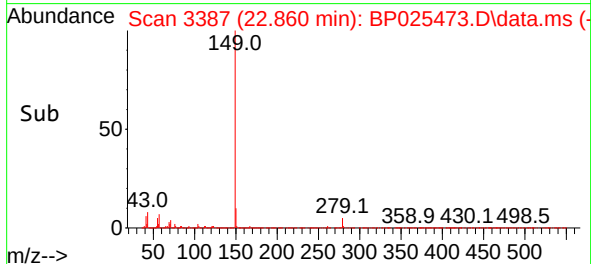
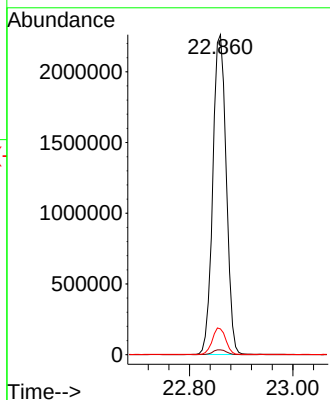
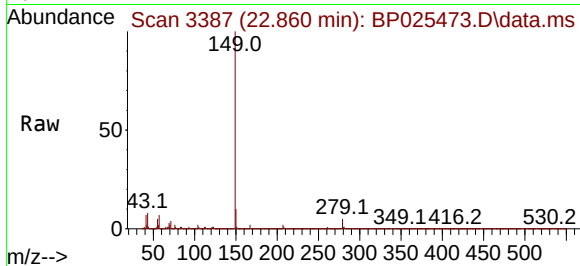




#85
Di-n-octyl phthalate
Concen: 51.076 ng
RT: 22.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

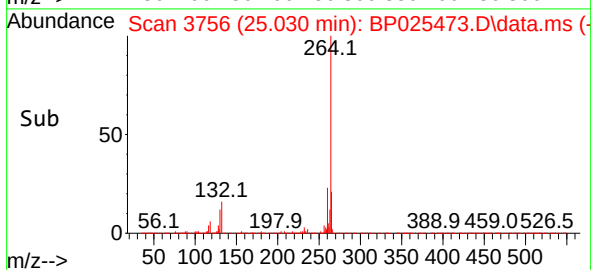
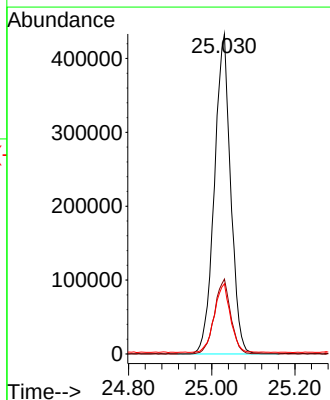
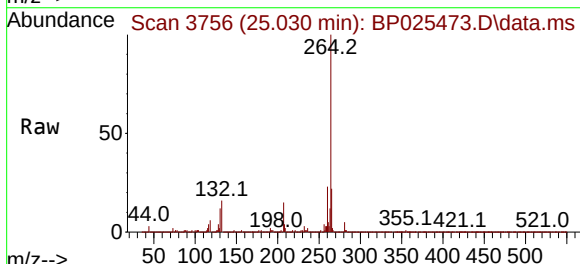
Instrument :
BNA_P
ClientSampleId :
PB169244BSD

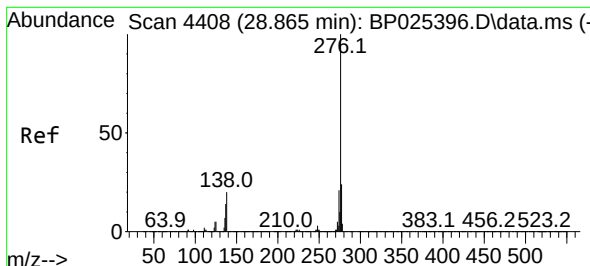
Tgt Ion:149 Resp: 4076449
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.2 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025473.D
Acq: 19 Aug 2025 12:47

Tgt Ion:264 Resp: 1176738
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 21.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.273 ng

RT: 28.859 min Scan# 4408

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

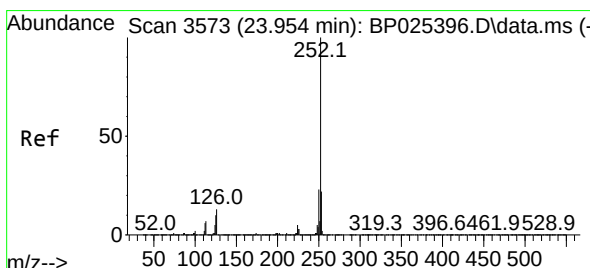
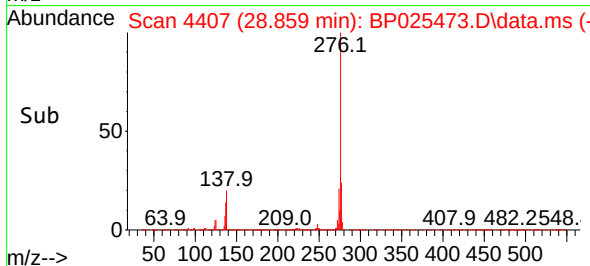
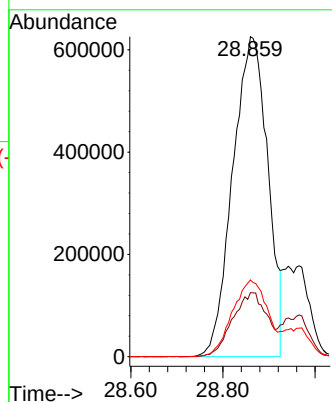
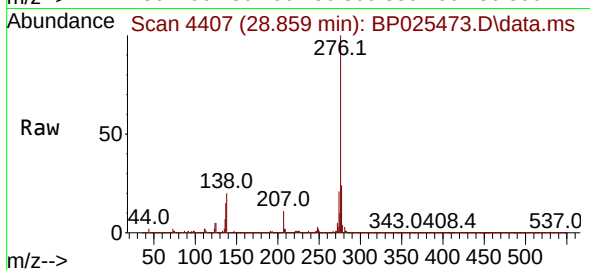
Tgt Ion:276 Resp: 3302888

Ion Ratio Lower Upper

276 100

138 19.5 12.9 19.3#

277 24.3 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 48.343 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

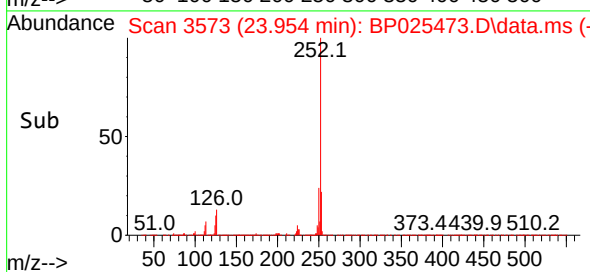
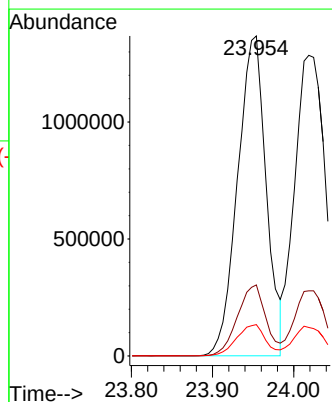
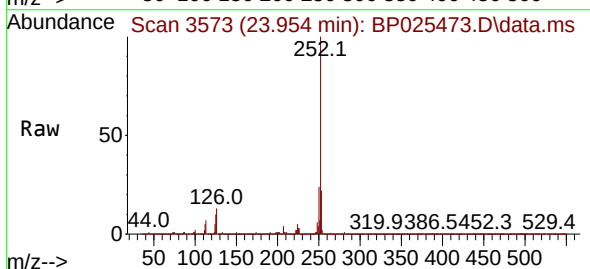
Tgt Ion:252 Resp: 3354449

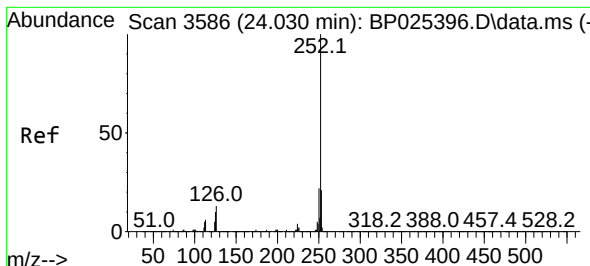
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.8 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 48.827 ng

RT: 24.019 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

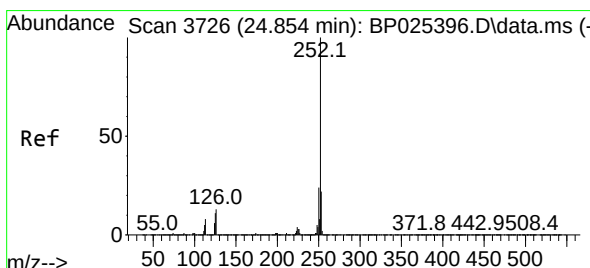
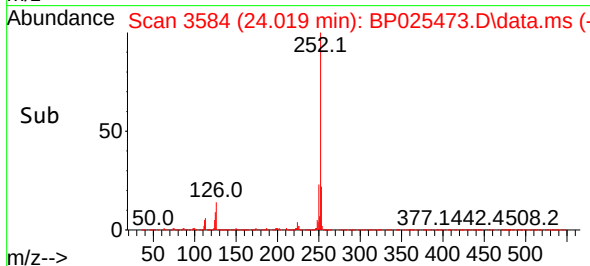
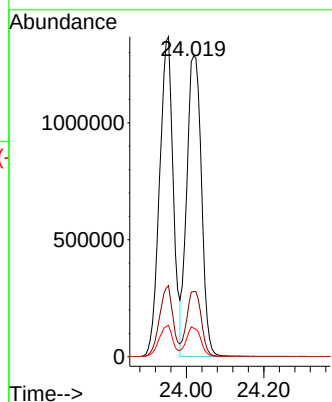
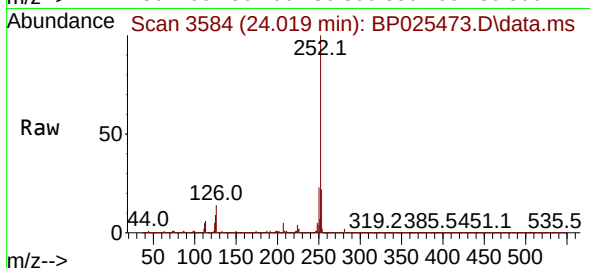
Tgt Ion:252 Resp: 3390357

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 9.5 7.8 11.6



#90

Benzo(a)pyrene

Concen: 48.136 ng

RT: 24.854 min Scan# 3726

Delta R.T. 0.000 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

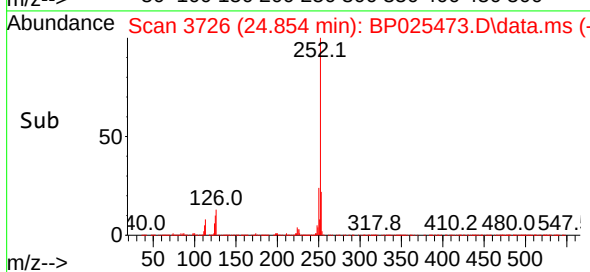
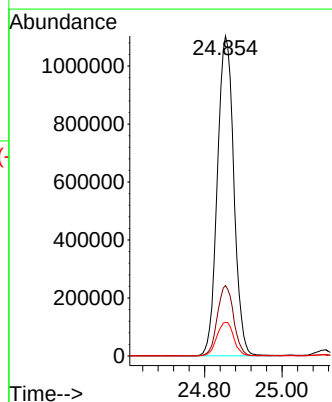
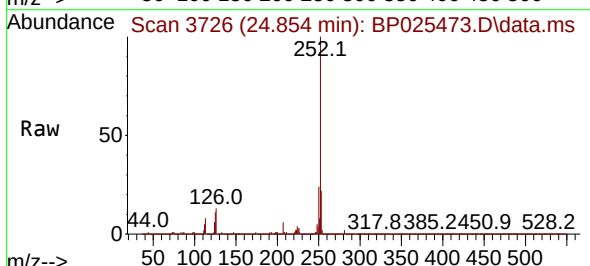
Tgt Ion:252 Resp: 3251341

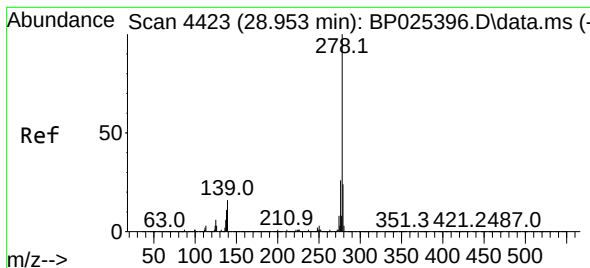
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 46.760 ng

RT: 28.971 min Scan# 4423

Delta R.T. 0.018 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

Instrument :

BNA_P

ClientSampleId :

PB169244BSD

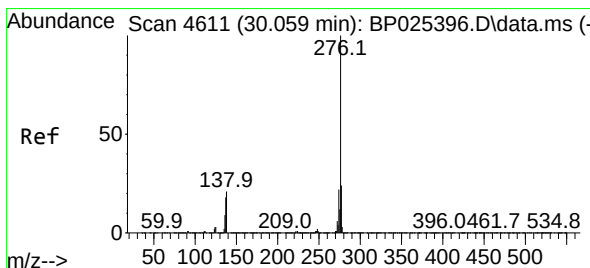
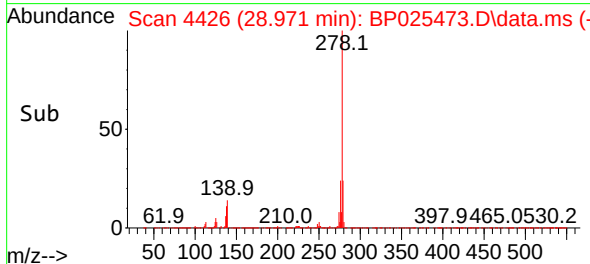
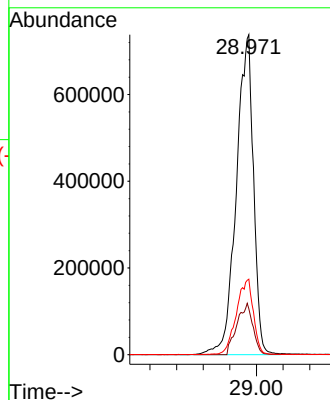
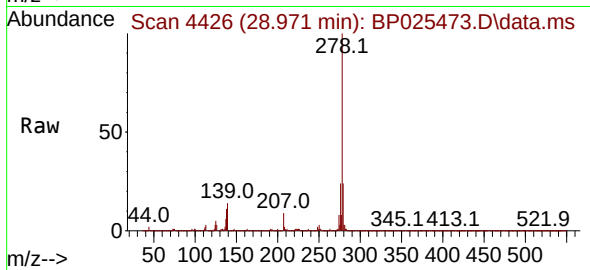
Tgt Ion:278 Resp: 3297613

Ion Ratio Lower Upper

278 100

139 14.3 13.0 19.4

279 23.6 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 46.595 ng

RT: 30.054 min Scan# 4610

Delta R.T. -0.006 min

Lab File: BP025473.D

Acq: 19 Aug 2025 12:47

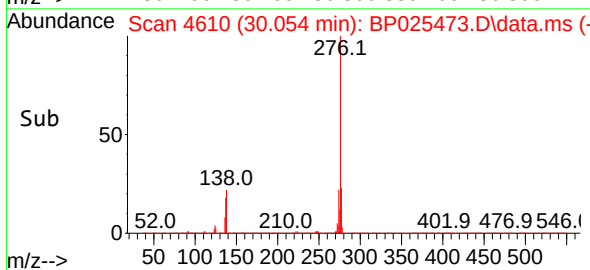
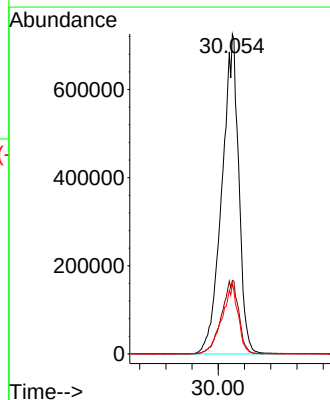
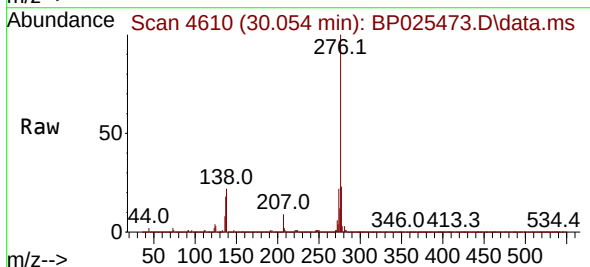
Tgt Ion:276 Resp: 3230088

Ion Ratio Lower Upper

276 100

277 23.0 19.4 29.0

138 22.0 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025487.D
 Acq On : 19 Aug 2025 23:46
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	159158	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	679178	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	450864	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	905283	20.000	ng	0.00
76) Chrysene-d12	21.642	240	932001	20.000	ng	0.00
86) Perylene-d12	25.012	264	1054169	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	766191	79.946	ng	0.00
7) Phenol-d6	6.966	99	999385	81.335	ng	0.00
23) Nitrobenzene-d5	8.931	82	1089412	81.140	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	501941	82.710	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2539096	76.967	ng	0.00
79) Terphenyl-d14	19.930	244	3955073	77.640	ng	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.331	88	146798	39.105	ng	98
3) Pyridine	3.725	79	399648	38.896	ng	95
4) n-Nitrosodimethylamine	3.631	42	183947	43.424	ng	91
6) Aniline	7.119	93	673487	40.682	ng	98
8) 2-Chlorophenol	7.360	128	442242	40.892	ng	99
9) Benzaldehyde	6.937	77	278873	32.395	ng	97
10) Phenol	6.990	94	528660	41.003	ng	96
11) bis(2-Chloroethyl)ether	7.213	93	403740	40.176	ng	99
12) 1,3-Dichlorobenzene	7.678	146	477680	40.056	ng	99
13) 1,4-Dichlorobenzene	7.825	146	485332	39.818	ng	99
14) 1,2-Dichlorobenzene	8.137	146	470101	39.843	ng	100
15) Benzyl Alcohol	8.019	79	396938	40.657	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.307	45	567987	42.192	ng	98
17) 2-Methylphenol	8.219	107	366688	40.950	ng	99
18) Hexachloroethane	8.860	117	180159	40.200	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	332906	40.903	ng	97
20) 3+4-Methylphenols	8.542	107	500121	40.292	ng	98
22) Acetophenone	8.595	105	683834	40.149	ng	98
24) Nitrobenzene	8.972	77	491390	40.951	ng	99
25) Isophorone	9.501	82	957661	40.304	ng	100
26) 2-Nitrophenol	9.678	139	251156	40.785	ng	99
27) 2,4-Dimethylphenol	9.736	122	428351	40.448	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	579381	40.338	ng	99
29) 2,4-Dichlorophenol	10.207	162	424988	40.398	ng	98
30) 1,2,4-Trichlorobenzene	10.425	180	449563	38.983	ng	100
31) Naphthalene	10.613	128	1406520	39.844	ng	99
32) Benzoic acid	9.895	122	408095	52.196	ng	97
33) 4-Chloroaniline	10.713	127	634028	40.661	ng	99
34) Hexachlorobutadiene	10.901	225	280821	39.100	ng	98
35) Caprolactam	11.501	113	158902	41.192	ng	98
36) 4-Chloro-3-methylphenol	11.836	107	498499	41.295	ng	98
37) 2-Methylnaphthalene	12.219	142	914456	39.806	ng	97
38) 1-Methylnaphthalene	12.436	142	964168	39.466	ng	100
40) 1,2,4,5-Tetrachloroben...	12.583	216	515884	39.618	ng	99
41) Hexachlorocyclopentadiene	12.566	237	362128	46.040	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	360300	40.986	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025487.D
 Acq On : 19 Aug 2025 23:46
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	399763	41.492	ng	98
46) 1,1'-Biphenyl	13.230	154	1318412	40.264	ng	100
47) 2-Chloronaphthalene	13.272	162	1019352	39.989	ng	99
48) 2-Nitroaniline	13.466	65	324159	43.643	ng	98
49) Acenaphthylene	14.124	152	1703788	40.393	ng	100
50) Dimethylphthalate	13.854	163	1355491	41.055	ng	100
51) 2,6-Dinitrotoluene	13.972	165	294671	42.345	ng	93
52) Acenaphthene	14.472	154	965696	39.004	ng	99
53) 3-Nitroaniline	14.307	138	330858	42.258	ng	94
54) 2,4-Dinitrophenol	14.513	184	299007	80.460	ng	97
55) Dibenzofuran	14.813	168	1541513	39.380	ng	100
56) 4-Nitrophenol	14.624	139	271237	42.159	ng	97
57) 2,4-Dinitrotoluene	14.772	165	428628	43.171	ng	97
58) Fluorene	15.477	166	1201420	38.896	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.042	232	350101	41.154	ng	98
60) Diethylphthalate	15.236	149	1386072	41.316	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	598934	38.989	ng	96
62) 4-Nitroaniline	15.489	138	331726	41.329	ng	93
63) Azobenzene	15.766	77	1240846	43.196	ng	98
65) 4,6-Dinitro-2-methylph...	15.548	198	322240	57.103	ng	94
66) n-Nitrosodiphenylamine	15.683	169	1132449	41.022	ng	99
67) 4-Bromophenyl-phenylether	16.383	248	402714	40.448	ng	98
68) Hexachlorobenzene	16.501	284	461625	39.997	ng	97
69) Atrazine	16.654	200	420453	40.669	ng	99
70) Pentachlorophenol	16.848	266	307884	42.259	ng	98
71) Phenanthrene	17.242	178	1961812	39.449	ng	99
72) Anthracene	17.342	178	2071008	40.780	ng	99
73) Carbazole	17.618	167	1903889	39.801	ng	99
74) Di-n-butylphthalate	18.212	149	2414257	41.022	ng	100
75) Fluoranthene	19.324	202	2322167	39.147	ng	98
77) Benzidine	19.518	184	1232065	38.735	ng	100
78) Pyrene	19.701	202	2394461	39.527	ng	100
80) Butylbenzylphthalate	20.654	149	1127547	41.070	ng	98
81) Benzo(a)anthracene	21.624	228	2426505	39.477	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	903654	39.005	ng	98
83) Chrysene	21.689	228	2294146	39.855	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1659835	41.071	ng	99
85) Di-n-octyl phthalate	22.853	149	2843533	40.906	ng	99
87) Indeno(1,2,3-cd)pyrene	28.841	276	1338699	17.316	ng	# 73
88) Benzo(b)fluoranthene	23.953	252	2471608	39.761	ng	99
89) Benzo(k)fluoranthene	24.030	252	2451237	39.407	ng	99
90) Benzo(a)pyrene	24.865	252	2406620	39.773	ng	99
91) Dibenzo(a,h)anthracene	28.941	278	2487038	39.366	ng	98
92) Benzo(g,h,i)perylene	30.047	276	2423566	39.026	ng	98

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

- 1
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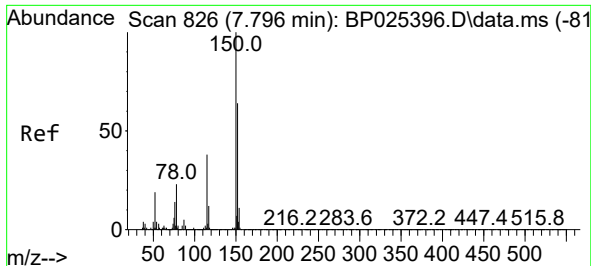
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Abundance

Time-->

Chemical compounds identified (from left to right):

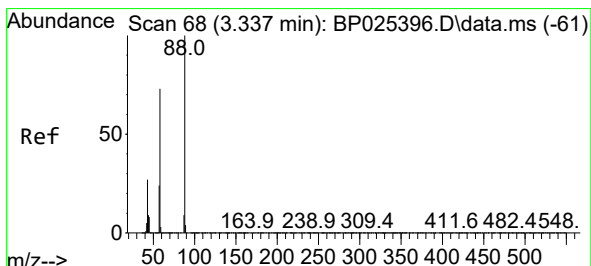
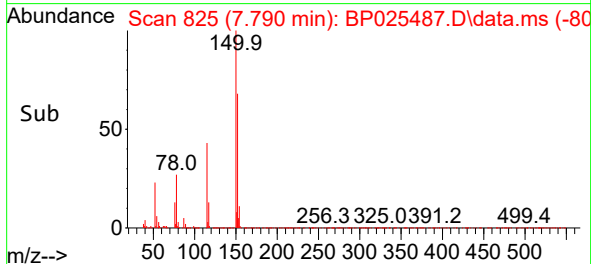
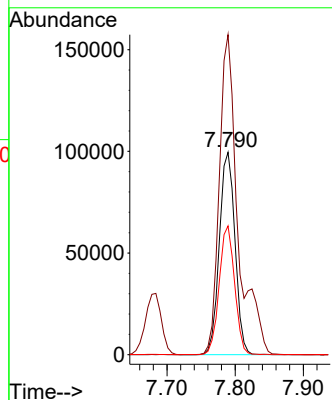
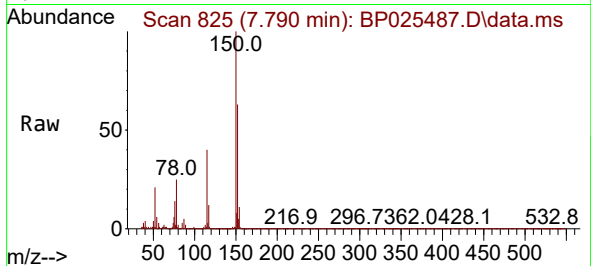
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- n-Nitrosophenylamine,
- 2-Fluorophenol,S
- Benzothiazole
- bis(2-chloroethyl)ether
- Phenol-d6,S
- 1,4-Dichlorobenzene,C
- Benzo(a)pyrene
- 2,2'-oxybis[2-methylpropane]
- Nitrobenzene
- Hexachlorocyclopentadiene-propylene,P
- Nitrobenzene
- Isophtalene
- 2-Nitrophenol,S
- 2-Chlorophenol,S
- Chloroethoxymethane
- 2,4-Dinitrophenol,S
- Naphthalene
- Hexachlorobutadiene,C
- Caprolactam
- 4-Chloro-3-methylphenol,C
- 2-Methylnaphthalene
- Hexachlorocyclopentadiene,C
- 2,4,6-Trichlorophenol,C
- 2-Nitroaniline
- 2-Chloro-1-naphthol
- 2,6-Dinitrotoluene
- Acenaphthylene
- 3-Nitrophenol,S
- Acenaphthene,C
- Dibenzofuran
- 2,3,4,6-Tetrachloro-2,5-dimethylphthalate
- 2,3,4,6-Tetrachloro-2,5-dimethylphthalate
- 4-Chloro-2-naphthol,S
- 4-Bromophenylether
- 4-Bromophenol,C
- Pentachlorophenol,C
- Phenanthrene
- Anthracene
- Carbazole
- Di-n-butylphthalate
- Benzidine
- Fluoranthene,C
- Pyrene
- Butylbenzylphthalate
- 2-Ethylhexylphthalate
- 2-Ethylhexylphthalate
- Di-n-octyl phthalate,c
- Benzo(b)fluoranthene
- Benzo(a)pyrene,C
- Perylene-d12,T
- Indeno(1,2,3-cd)pyrene
- Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

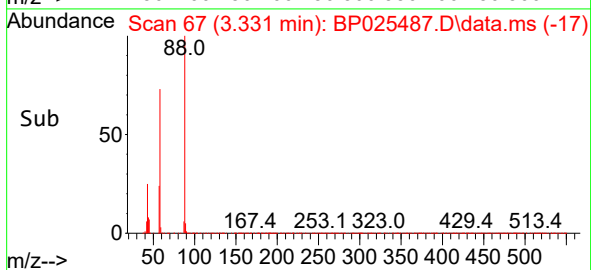
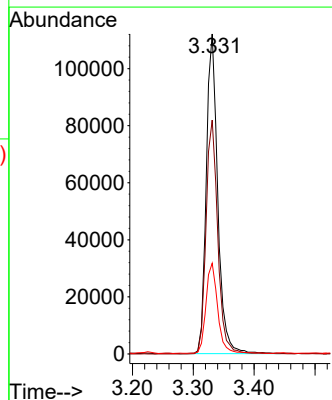
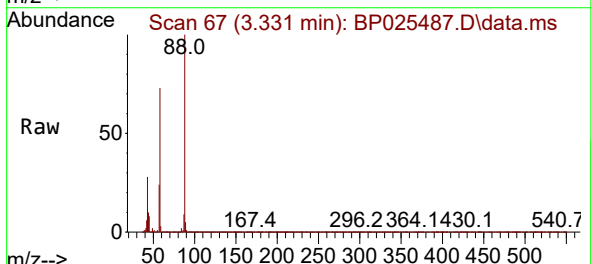
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

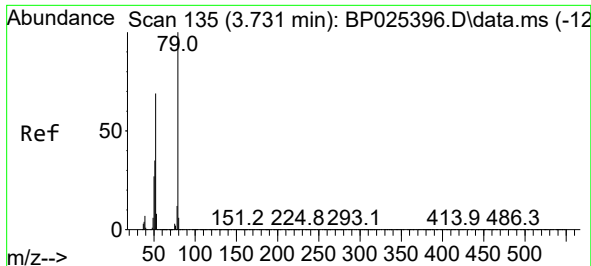
Tgt Ion:152 Resp: 159158
Ion Ratio Lower Upper
152 100
150 158.1 125.9 188.9
115 63.6 48.5 72.7



#2
1,4-Dioxane
Concen: 39.105 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 88 Resp: 146798
Ion Ratio Lower Upper
88 100
58 75.0 59.2 88.8
43 28.8 21.7 32.5

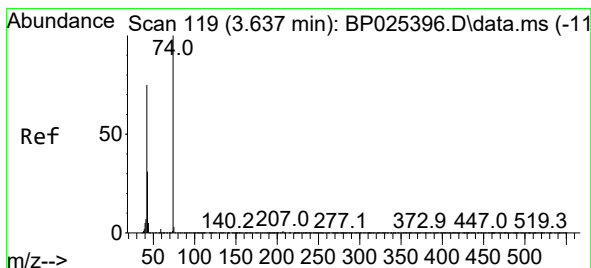
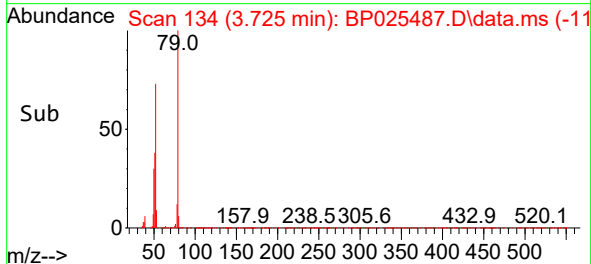
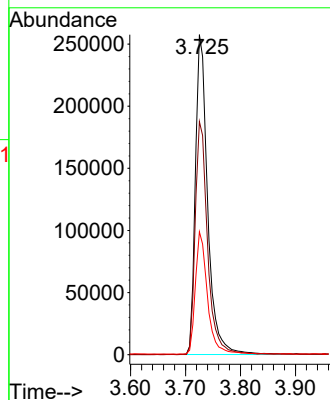
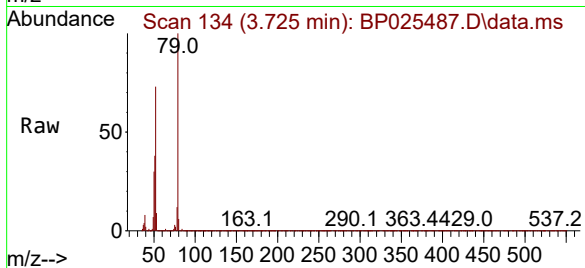




#3
Pyridine
Concen: 38.896 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

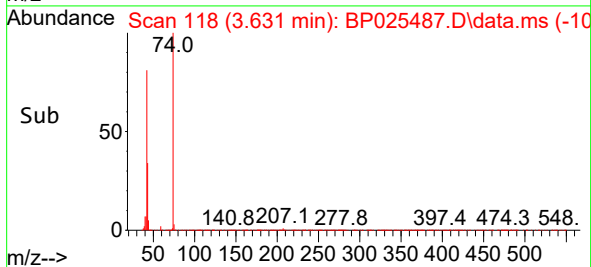
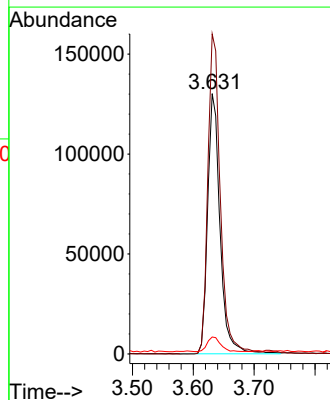
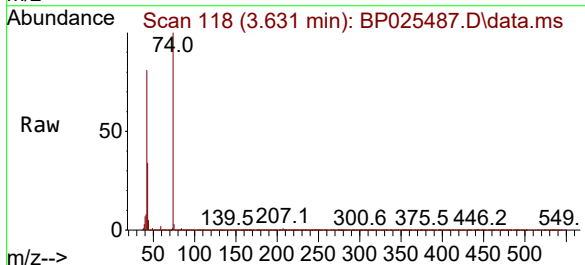
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

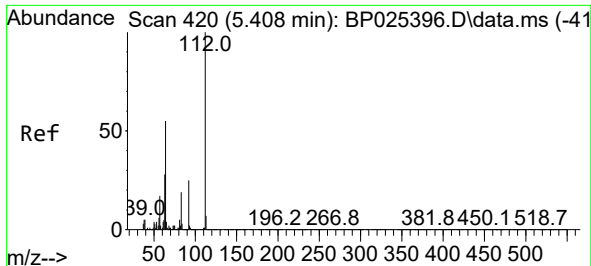
Tgt Ion: 79 Resp: 399648
Ion Ratio Lower Upper
79 100
52 72.9 55.5 83.3
51 38.4 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 43.424 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 42 Resp: 183947
Ion Ratio Lower Upper
42 100
74 122.9 107.0 160.4
44 6.5 6.2 9.4

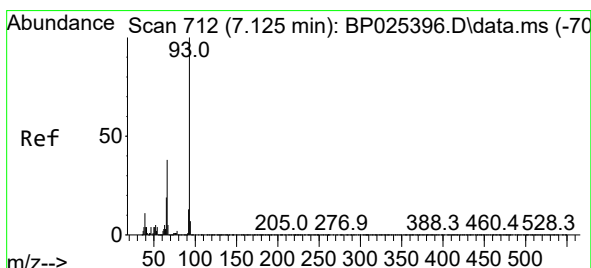
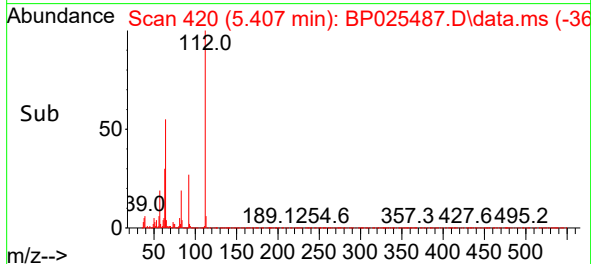
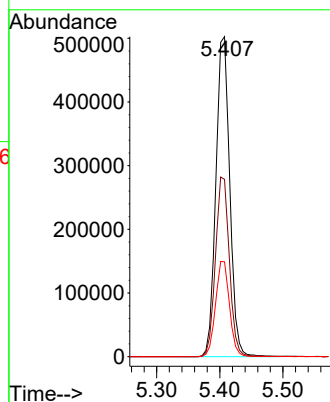
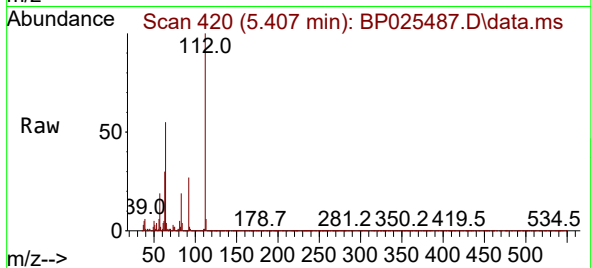




#5
2-Fluorophenol
Concen: 79.946 ng
RT: 5.407 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

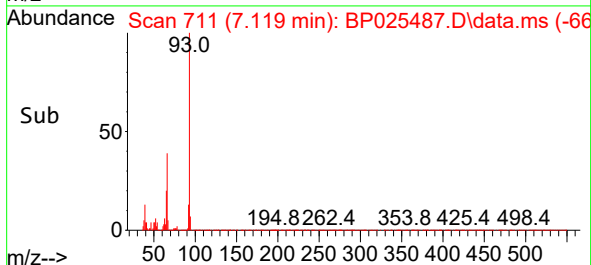
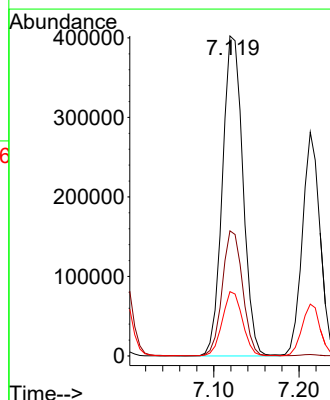
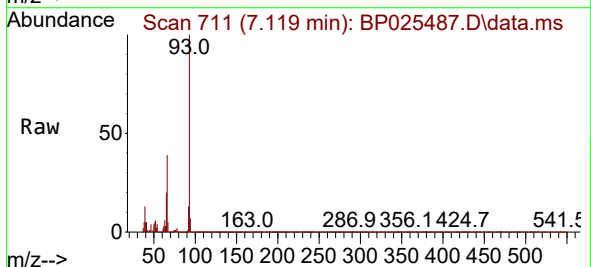
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BNA_P
ClientSampleId :
SSTDCCC040

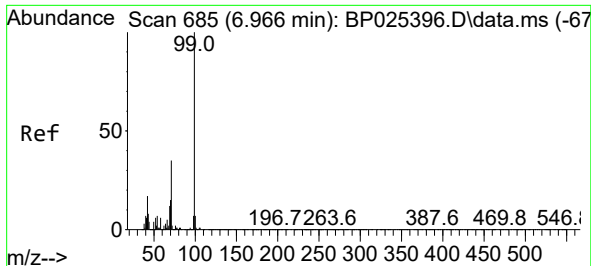
Tgt Ion:112 Resp: 766191
Ion Ratio Lower Upper
112 100
64 55.4 43.8 65.8
63 29.7 22.7 34.1



#6
Aniline
Concen: 40.682 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 93 Resp: 673487
Ion Ratio Lower Upper
93 100
66 39.1 30.4 45.6
65 20.1 15.3 22.9

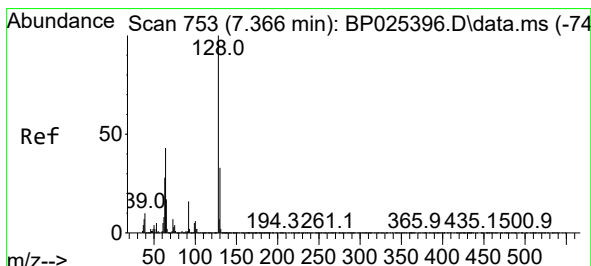
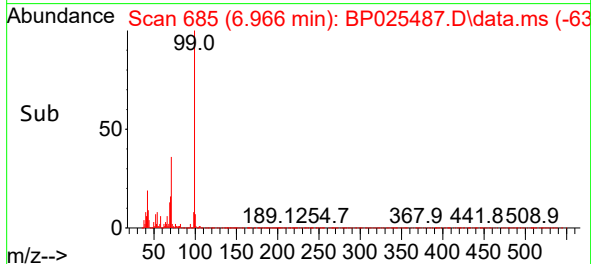
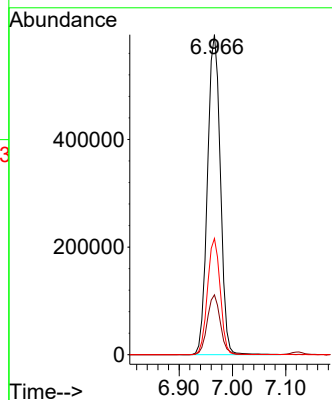
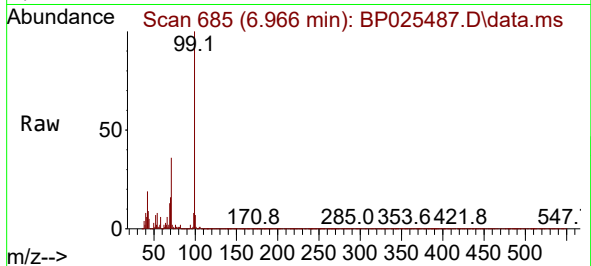




#7
Phenol-d6
Concen: 81.335 ng
RT: 6.966 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

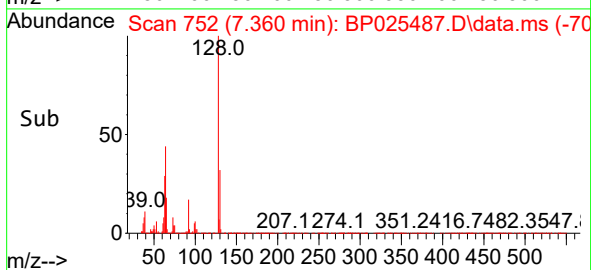
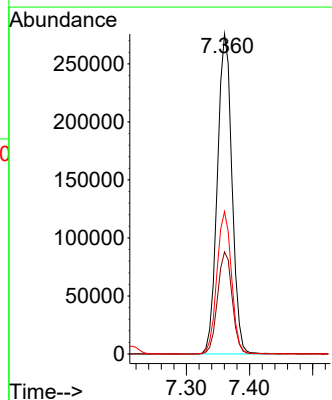
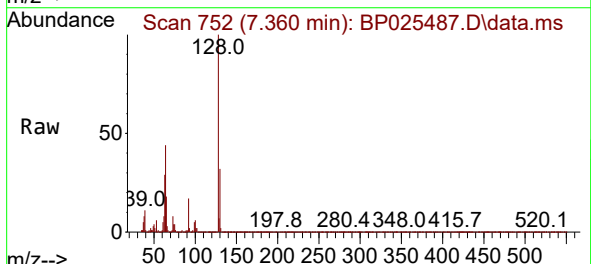
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ClientSampleId :
SSTDCCC040

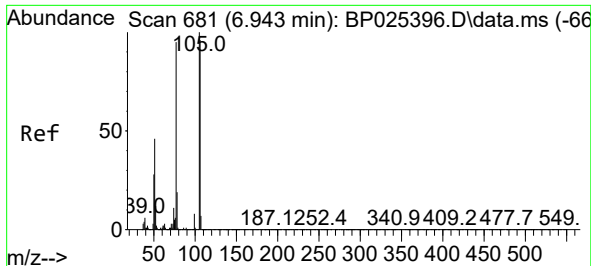
Tgt Ion: 99 Resp: 999385
Ion Ratio Lower Upper
99 100
42 18.7 13.7 20.5
71 36.3 28.2 42.4



#8
2-Chlorophenol
Concen: 40.892 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 128 Resp: 442242
Ion Ratio Lower Upper
128 100
130 31.9 12.6 52.6
64 44.5 23.4 63.4

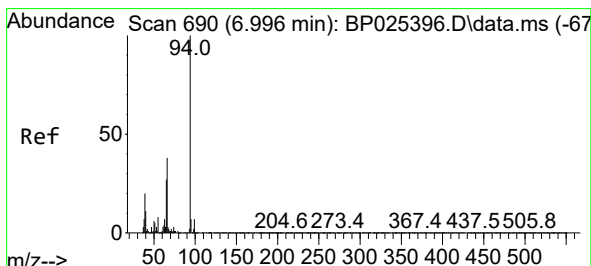
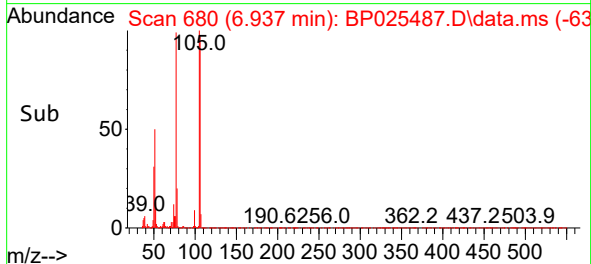
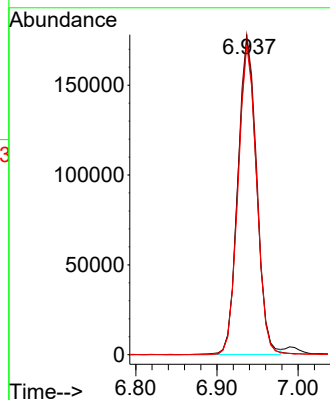
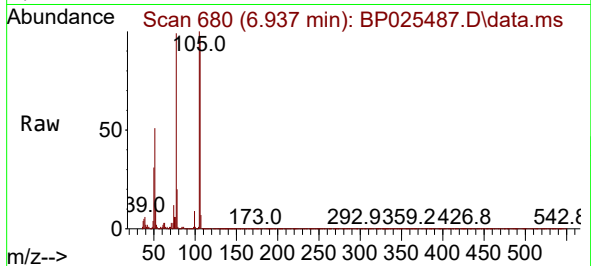




#9
Benzaldehyde
Concen: 32.395 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

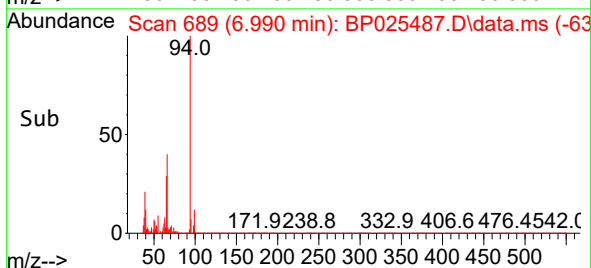
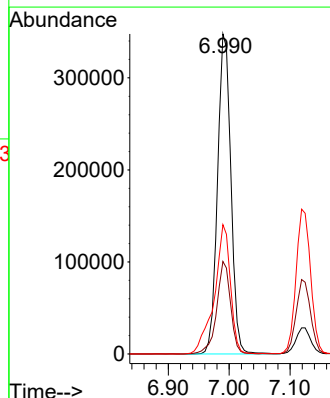
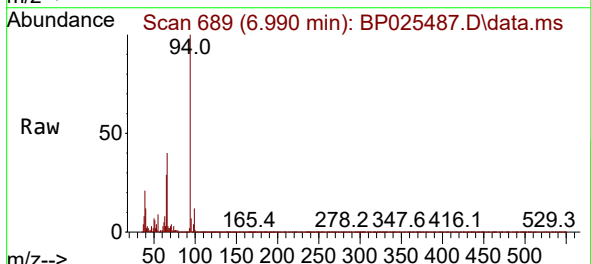
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

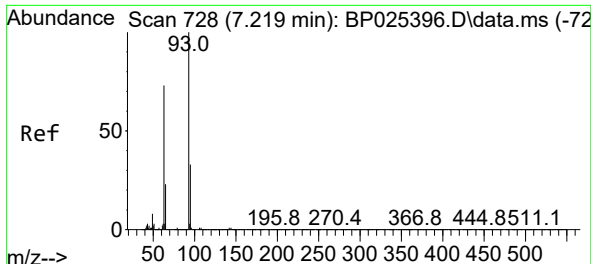
Tgt Ion: 77 Resp: 278873
Ion Ratio Lower Upper
77 100
105 101.2 84.8 124.8
106 97.9 80.5 120.5



#10
Phenol
Concen: 41.003 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 94 Resp: 528660
Ion Ratio Lower Upper
94 100
65 28.9 6.8 46.8
66 40.4 18.2 58.2

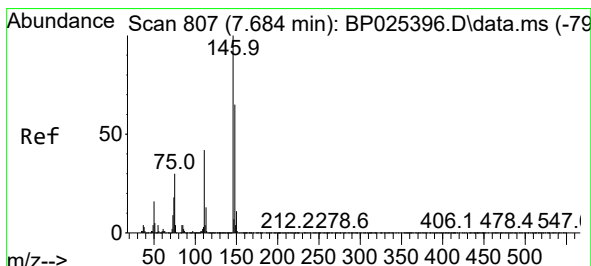
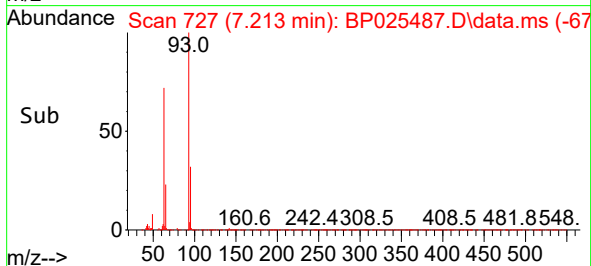
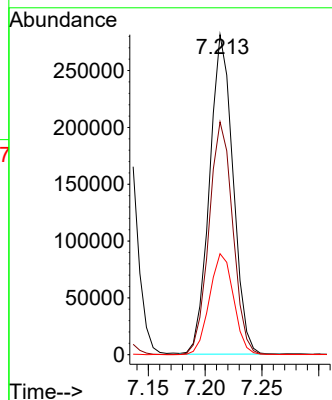
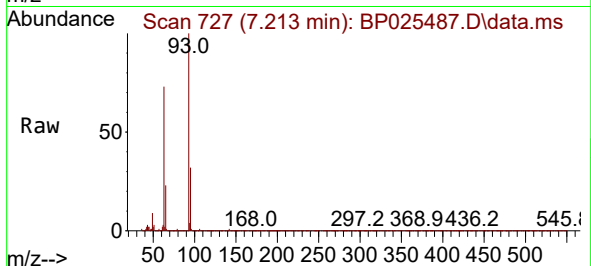




#11
bis(2-Chloroethyl)ether
Concen: 40.176 ng
RT: 7.213 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

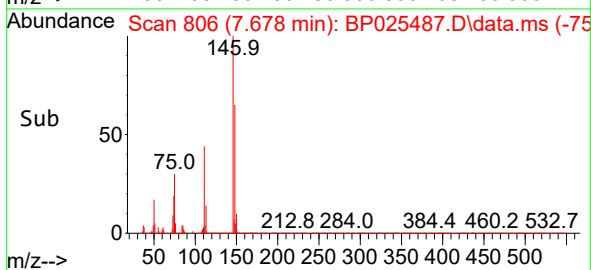
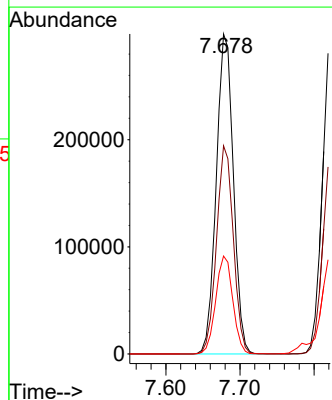
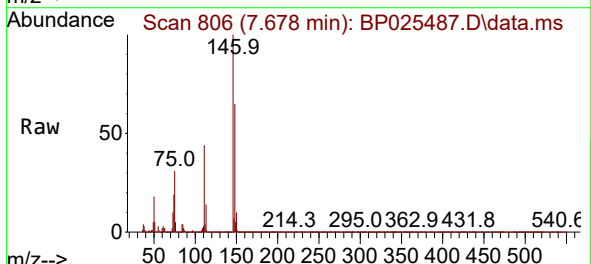
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

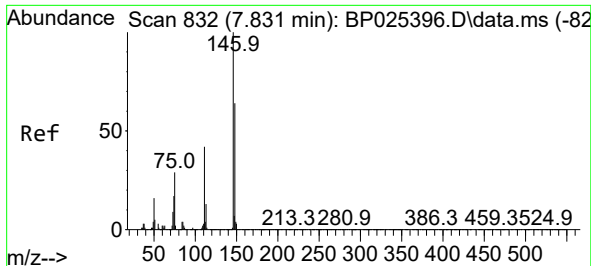
Tgt Ion: 93 Resp: 403740
Ion Ratio Lower Upper
93 100
63 72.7 52.6 92.6
95 31.5 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 40.056 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 146 Resp: 477680
Ion Ratio Lower Upper
146 100
148 65.0 51.9 77.9
75 30.6 23.7 35.5

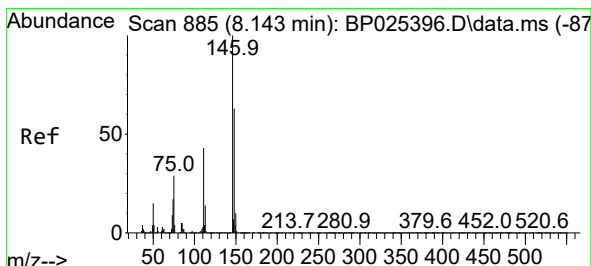
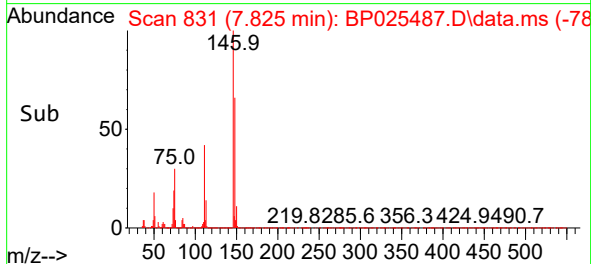
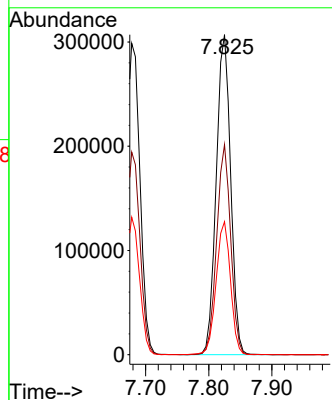
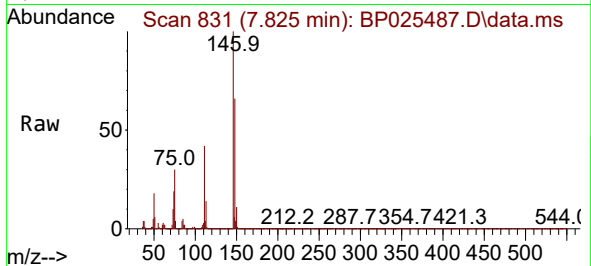




#13
1,4-Dichlorobenzene
Concen: 39.818 ng
RT: 7.825 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

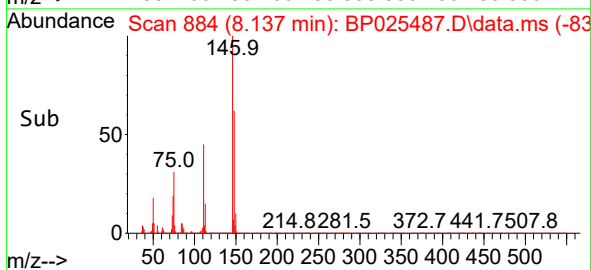
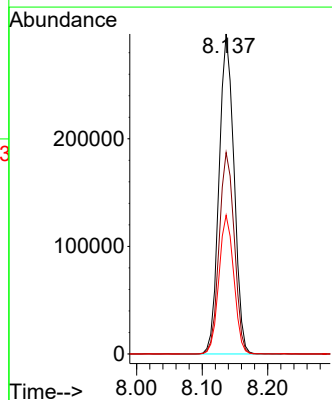
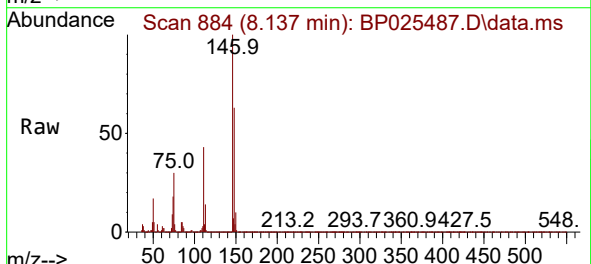
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

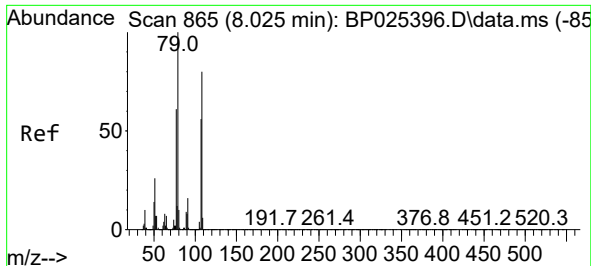
Tgt Ion:146 Resp: 485332
Ion Ratio Lower Upper
146 100
148 65.6 51.6 77.4
111 41.6 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 39.843 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:146 Resp: 470101
Ion Ratio Lower Upper
146 100
148 63.0 50.4 75.6
111 43.3 34.5 51.7

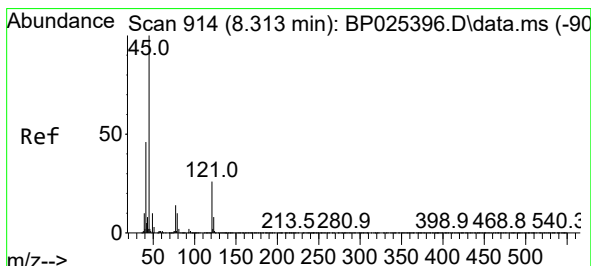
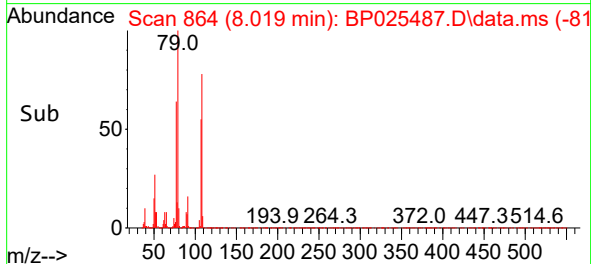
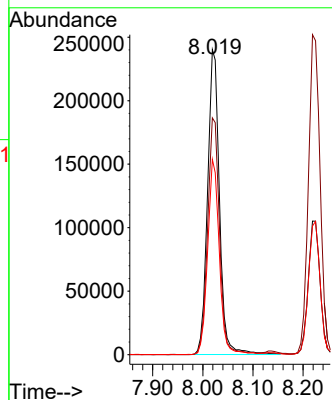
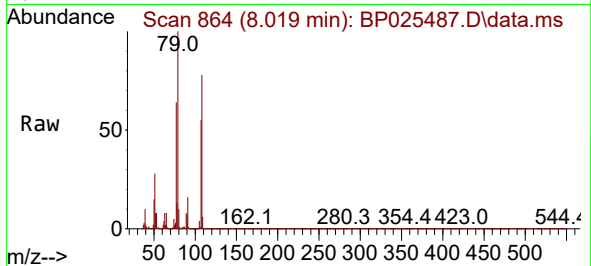




#15
Benzyl Alcohol
Concen: 40.657 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

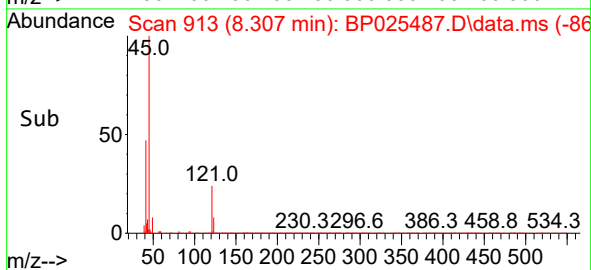
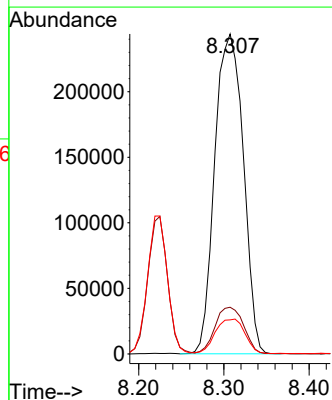
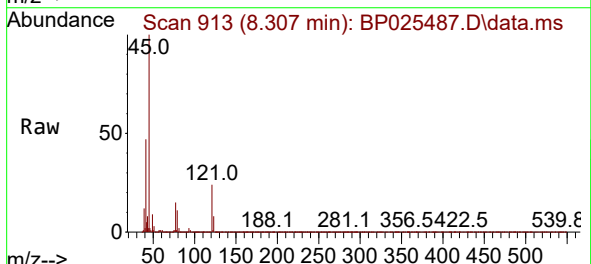
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

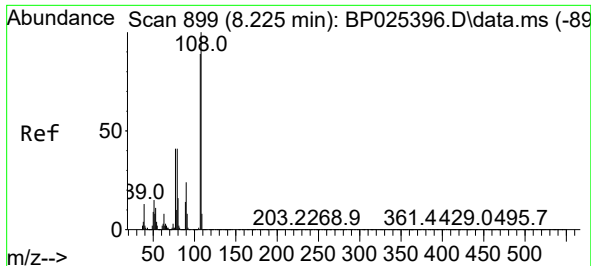
Tgt Ion: 79 Resp: 396938
Ion Ratio Lower Upper
79 100
108 77.6 63.8 95.6
77 64.0 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.192 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

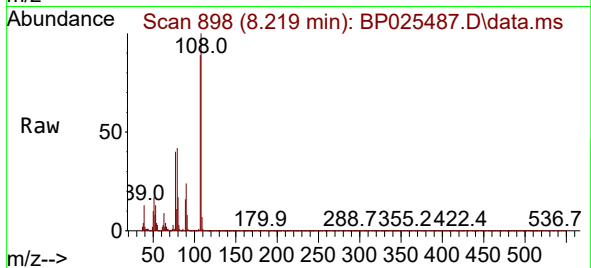
Tgt Ion: 45 Resp: 567987
Ion Ratio Lower Upper
45 100
77 14.6 0.0 35.3
79 10.6 0.0 31.8



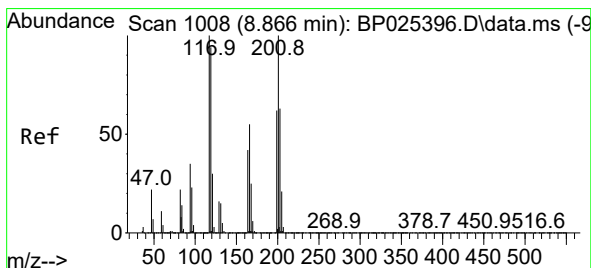
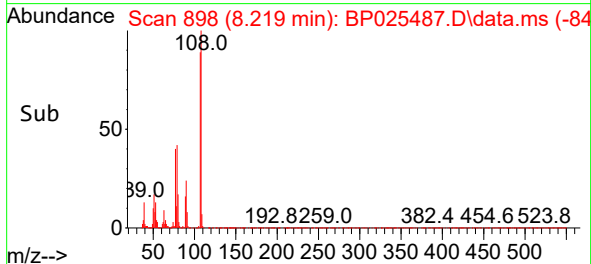
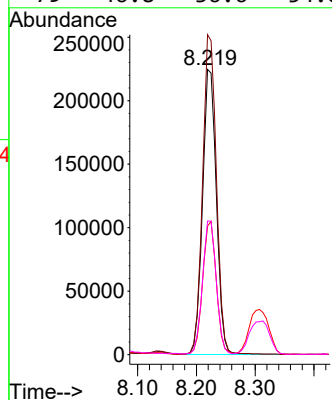


#17
2-Methylphenol
Concen: 40.950 ng
RT: 8.219 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

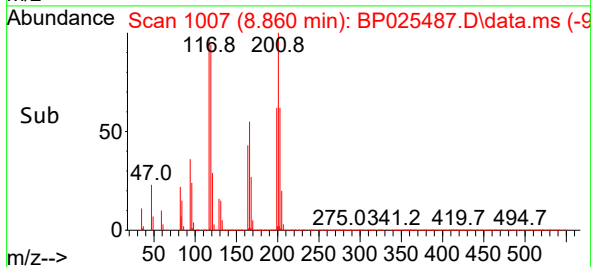
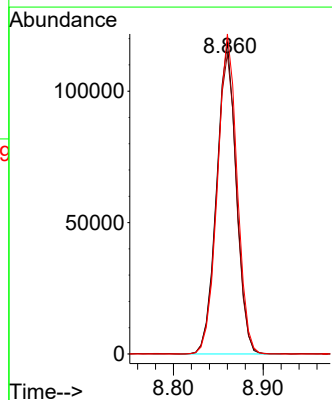
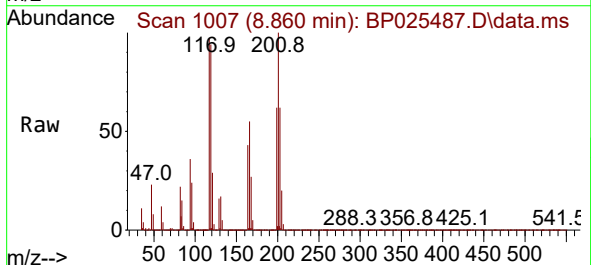


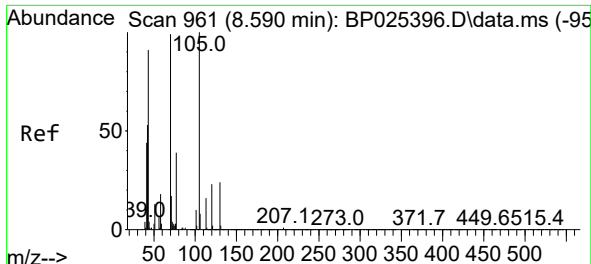
Tgt Ion:	107	Resp:	366688
Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.4	134.0
77	45.1	36.3	54.5
79	46.8	36.6	54.8



#18
Hexachloroethane
Concen: 40.200 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:	117	Resp:	180159
Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.1	112.7
201	102.7	80.1	120.1

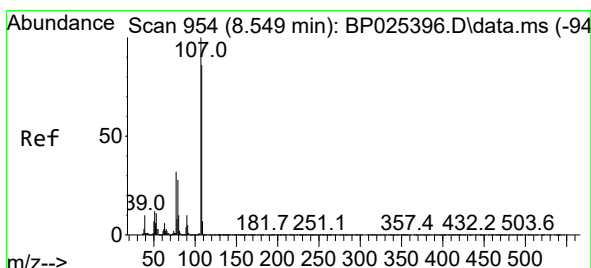
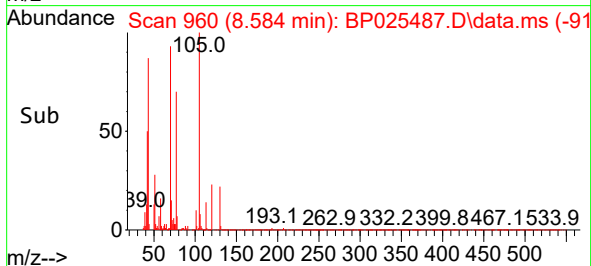
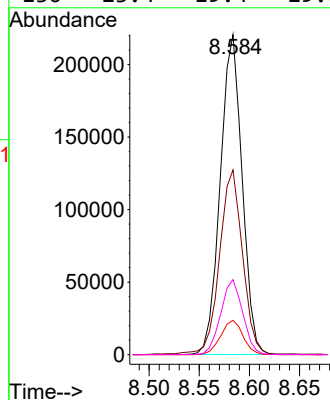
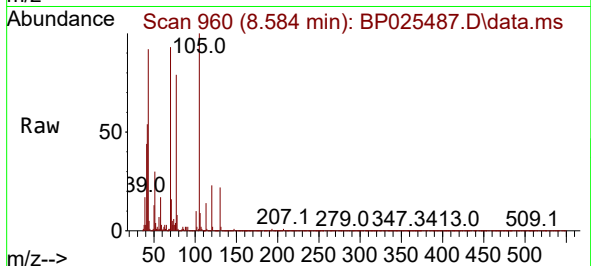




#19
n-Nitroso-di-n-propylamine
Concen: 40.903 ng
RT: 8.584 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

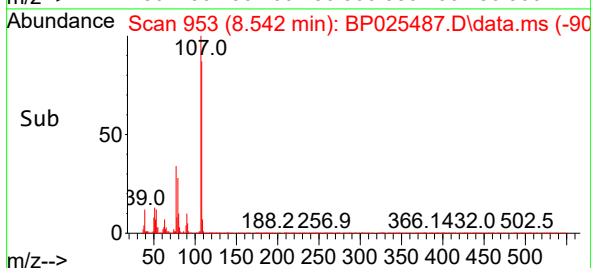
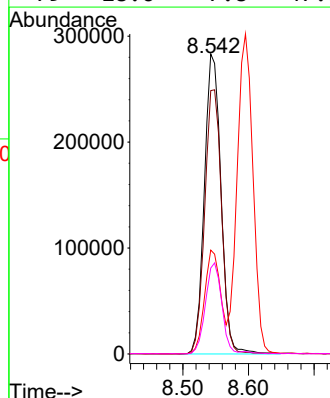
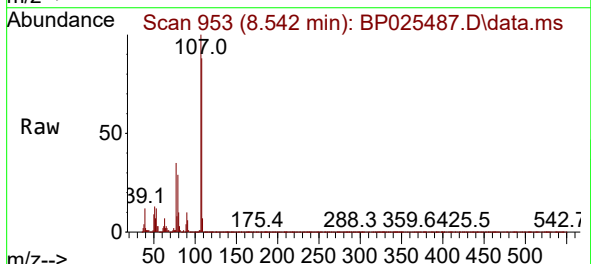
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

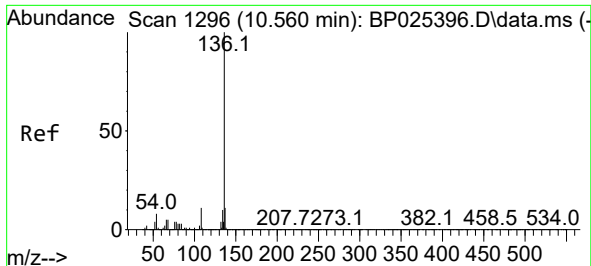
Tgt Ion: 70 Resp: 332906
Ion Ratio Lower Upper
70 100
42 57.8 43.8 65.6
101 10.7 8.5 12.7
130 23.4 19.4 29.0



#20
3+4-Methylphenols
Concen: 40.292 ng
RT: 8.542 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 107 Resp: 500121
Ion Ratio Lower Upper
107 100
108 87.8 66.3 106.3
77 34.6 12.3 52.3
79 28.6 7.8 47.8

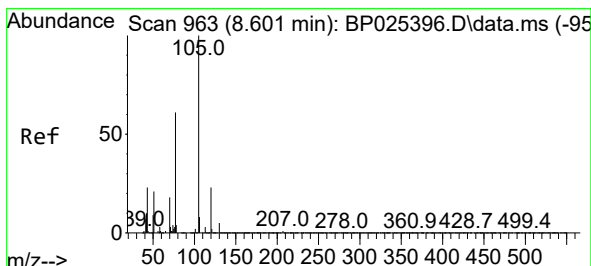
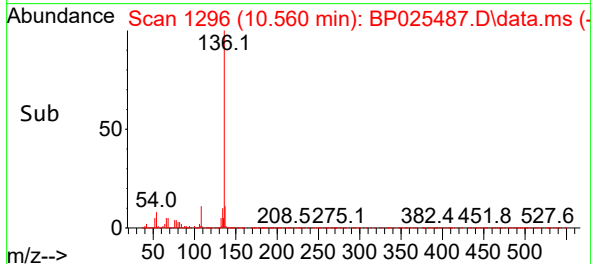
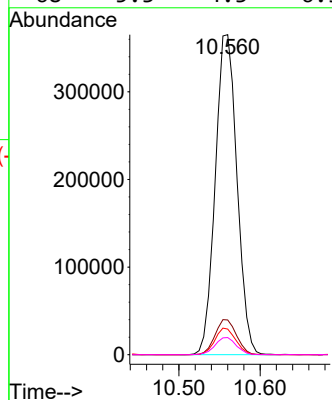
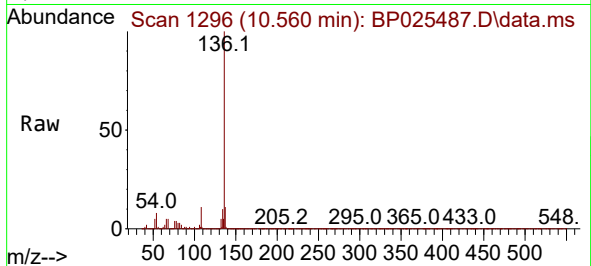




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

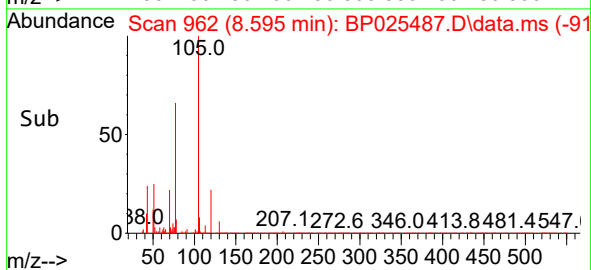
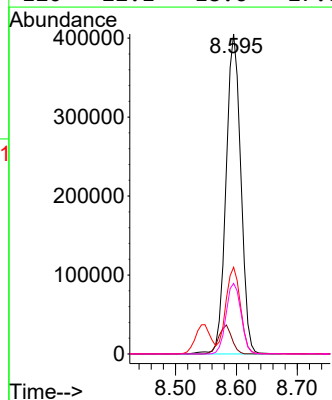
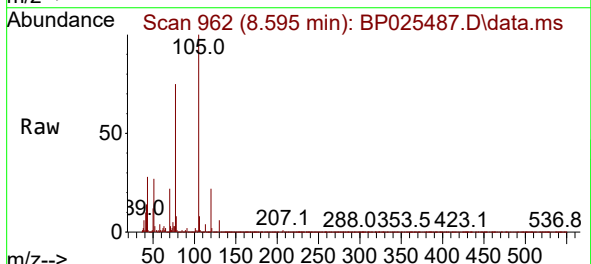
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

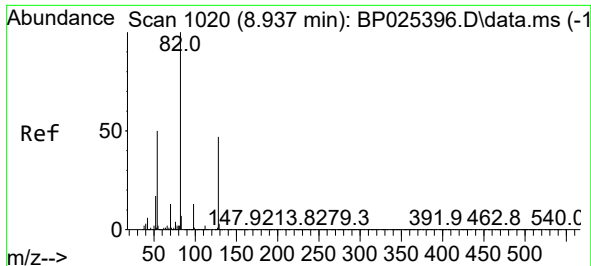
Tgt Ion:	136	Resp:	679178
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.2	13.8
54	8.0	6.0	9.0
68	5.3	4.3	6.5



#22
Acetophenone
Concen: 40.149 ng
RT: 8.595 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:	105	Resp:	683834
Ion Ratio	Lower	Upper	
105	100		
71	3.4	2.6	4.0
51	27.1	20.6	30.8
120	22.1	18.6	27.8

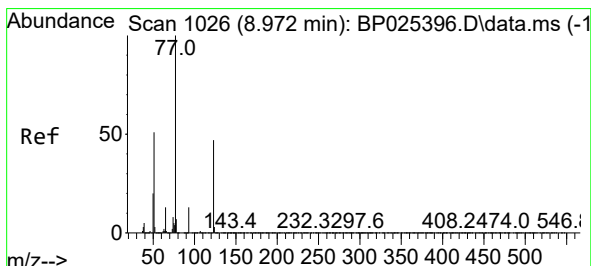
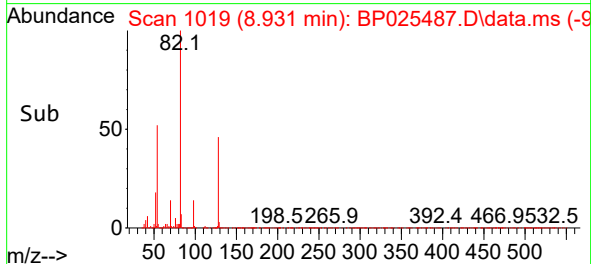
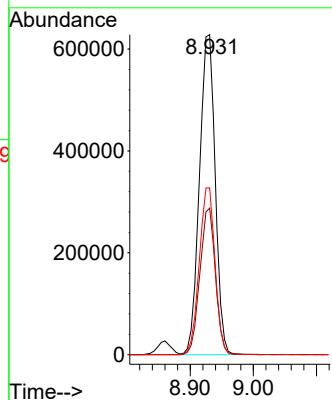
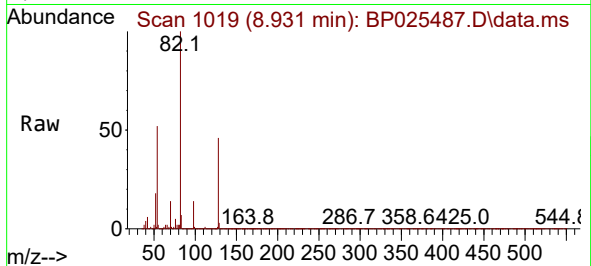




#23
Nitrobenzene-d5
Concen: 81.140 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

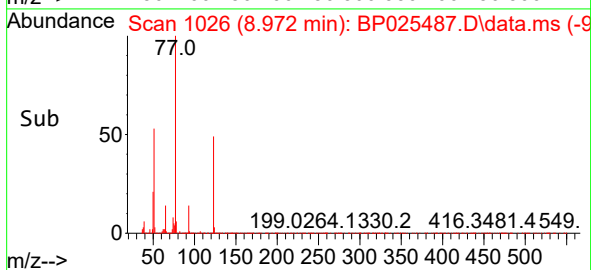
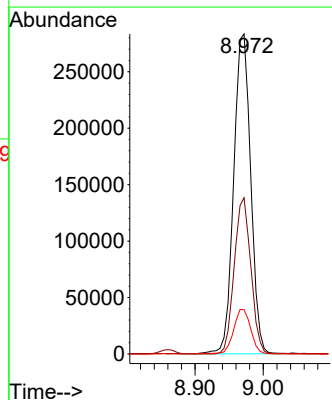
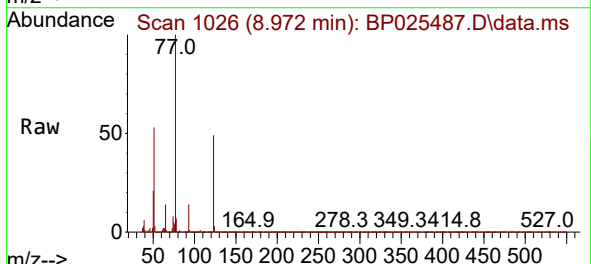
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

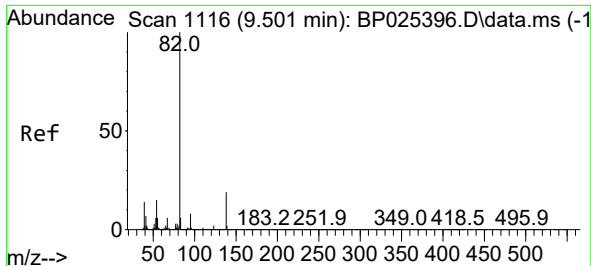
Tgt Ion: 82 Resp: 1089412
Ion Ratio Lower Upper
82 100
128 45.8 37.7 56.5
54 52.2 39.8 59.6



#24
Nitrobenzene
Concen: 40.951 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 77 Resp: 491390
Ion Ratio Lower Upper
77 100
123 48.8 38.6 58.0
65 13.9 10.6 15.8

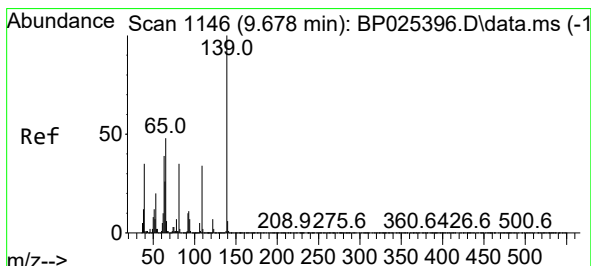
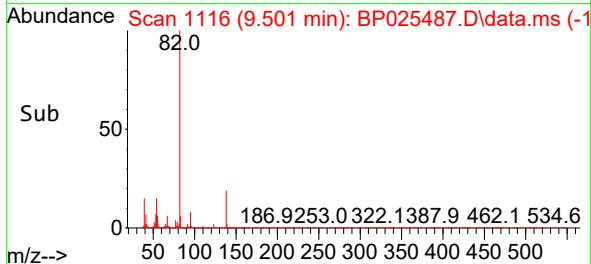
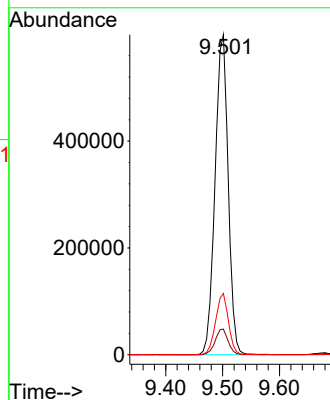
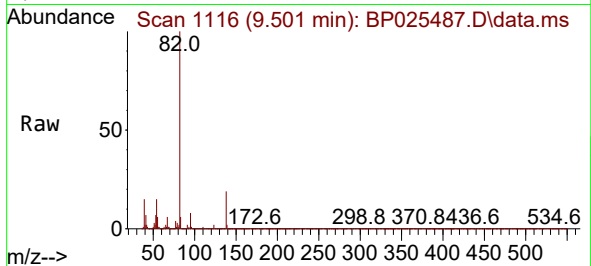




#25
Isophorone
Concen: 40.304 ng
RT: 9.501 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

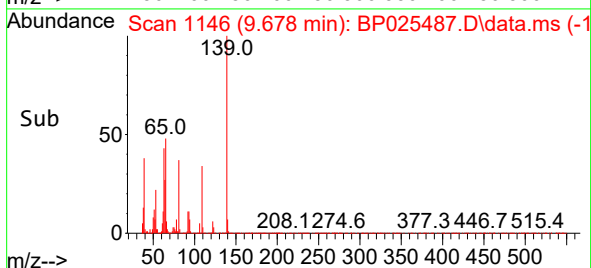
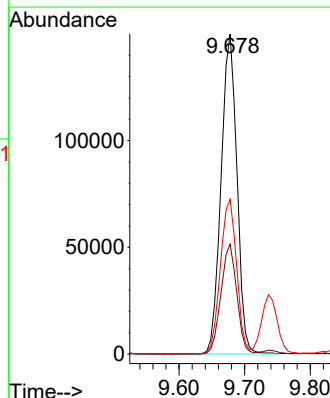
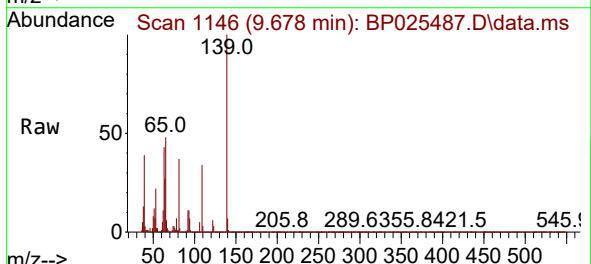
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

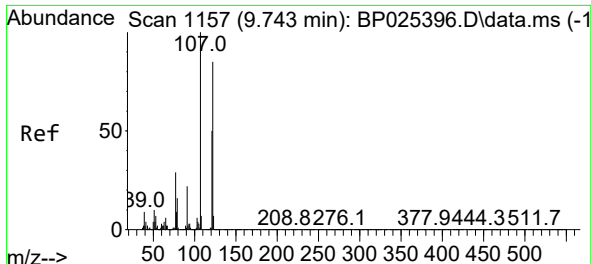
Tgt Ion: 82 Resp: 957661
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 19.2 15.4 23.0



#26
2-Nitrophenol
Concen: 40.785 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 139 Resp: 251156
Ion Ratio Lower Upper
139 100
109 34.3 26.9 40.3
65 48.3 38.3 57.5

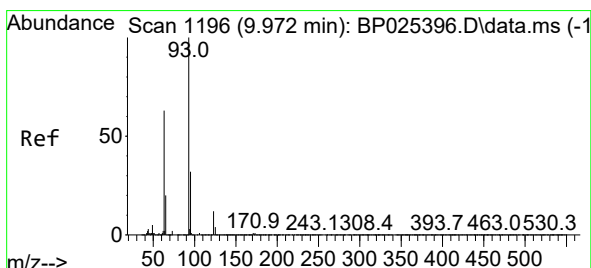
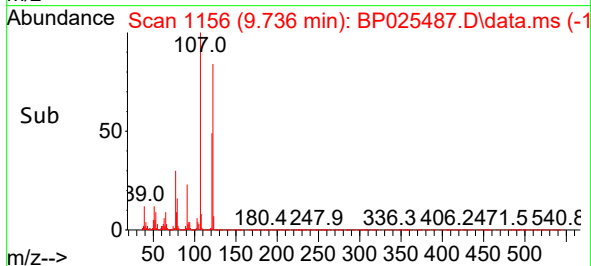
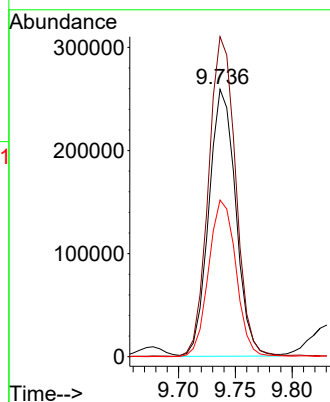
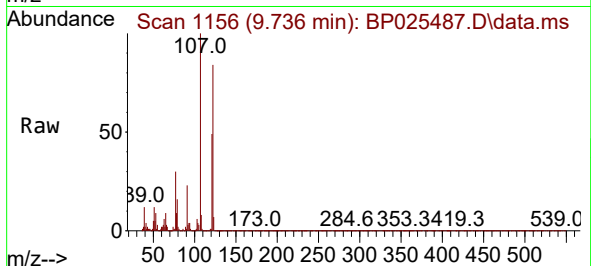




#27
2,4-Dimethylphenol
Concen: 40.448 ng
RT: 9.736 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

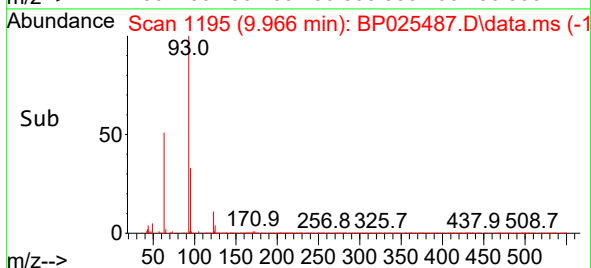
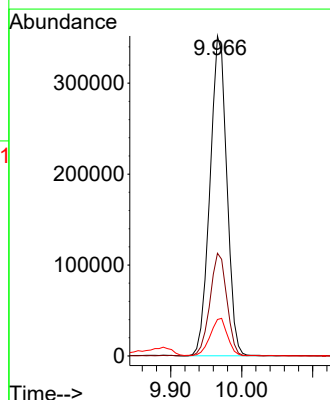
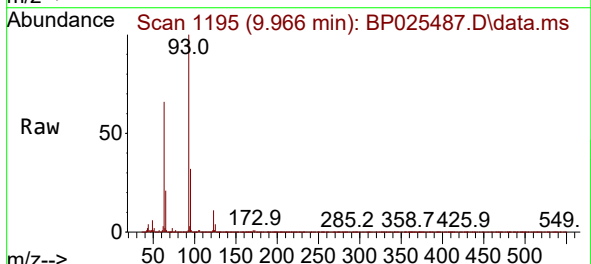
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

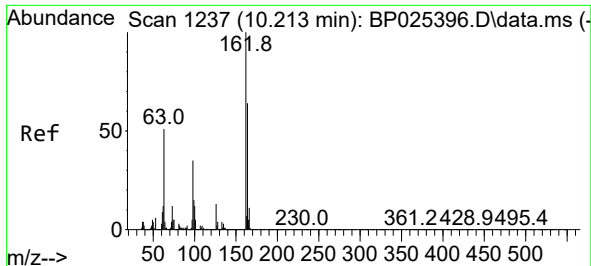
Tgt Ion:122 Resp: 428351
Ion Ratio Lower Upper
122 100
107 119.7 93.7 140.5
121 58.6 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 40.338 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 93 Resp: 579381
Ion Ratio Lower Upper
93 100
95 32.1 25.4 38.0
123 11.4 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 40.398 ng

RT: 10.207 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

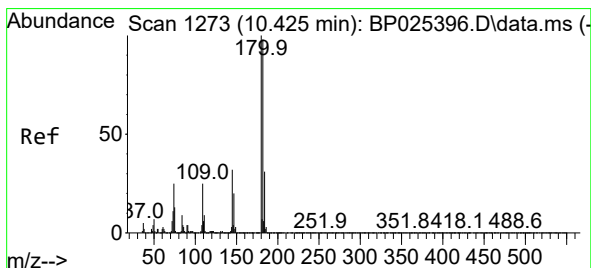
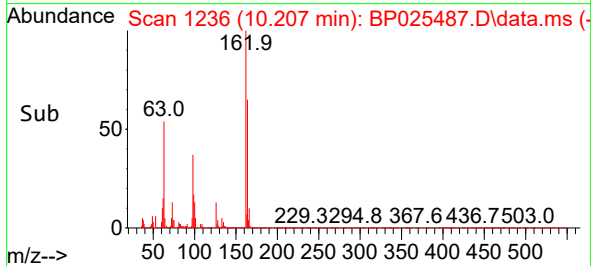
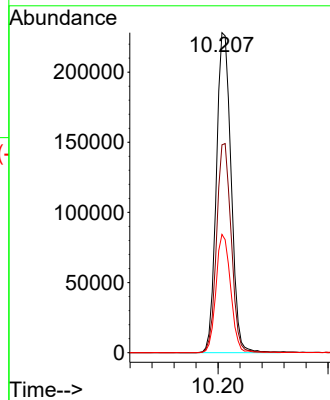
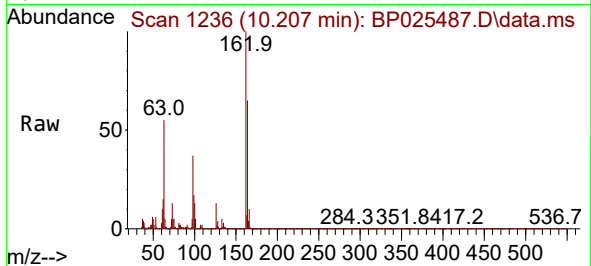
Tgt Ion:162 Resp: 424988

Ion Ratio Lower Upper

162 100

164 65.0 44.4 84.4

98 36.9 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 38.983 ng

RT: 10.425 min Scan# 1273

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

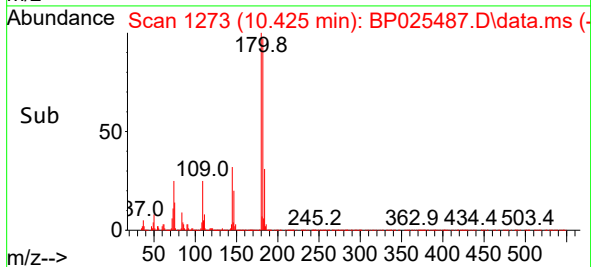
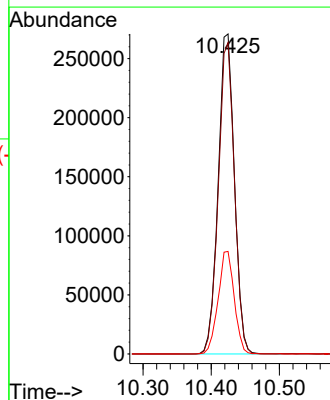
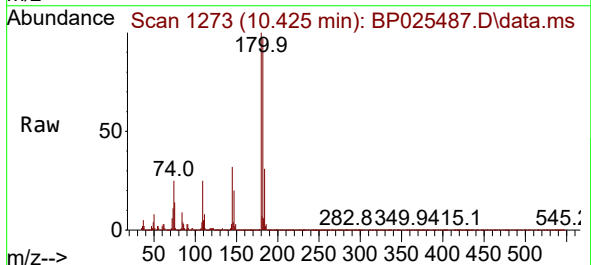
Tgt Ion:180 Resp: 449563

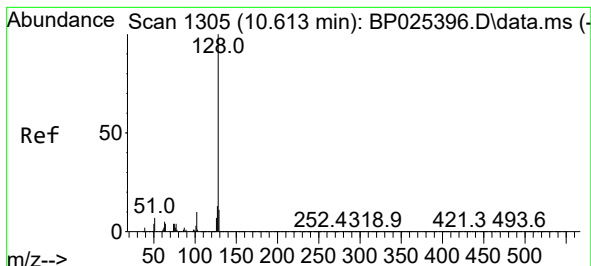
Ion Ratio Lower Upper

180 100

182 97.3 78.0 117.0

145 32.1 25.9 38.9

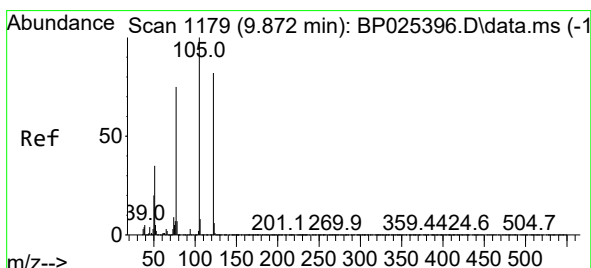
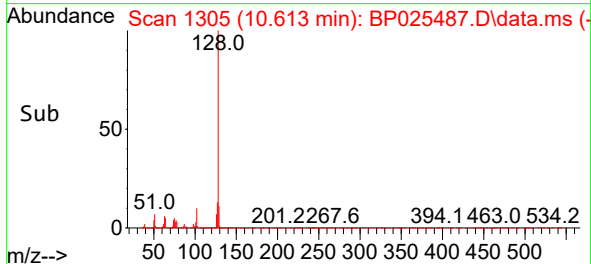
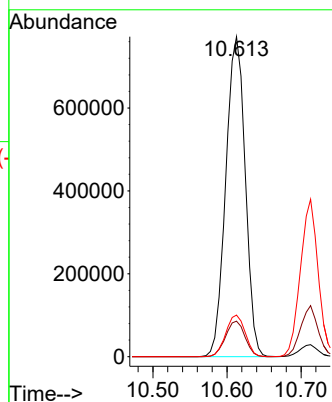
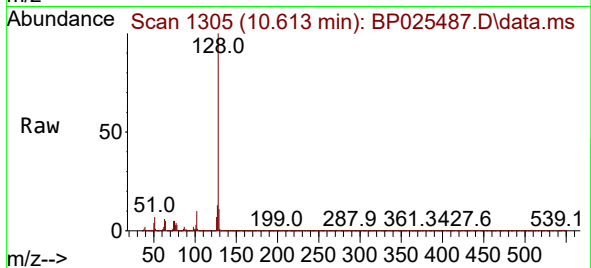




#31
Naphthalene
Concen: 39.844 ng
RT: 10.613 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

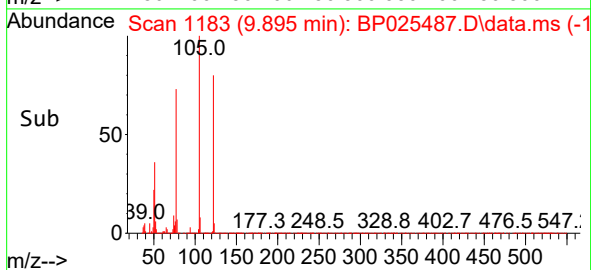
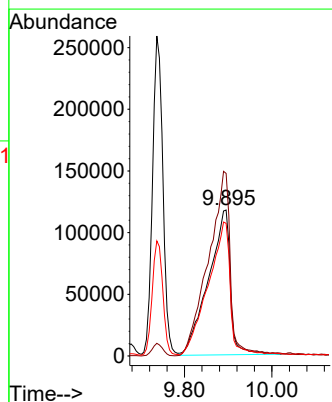
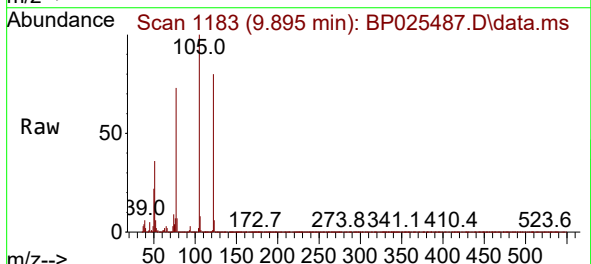
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

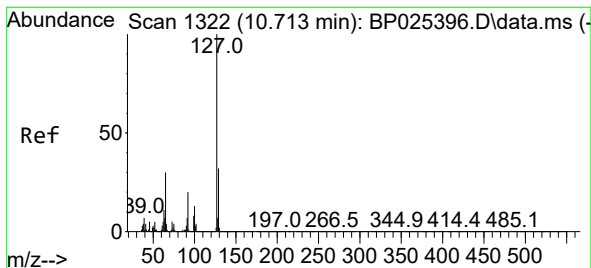
Tgt Ion:128 Resp: 1406520
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.0 10.7 16.1



#32
Benzoic acid
Concen: 52.196 ng
RT: 9.895 min Scan# 1183
Delta R.T. 0.023 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:122 Resp: 408095
Ion Ratio Lower Upper
122 100
105 125.2 100.6 140.6
77 91.0 71.5 111.5

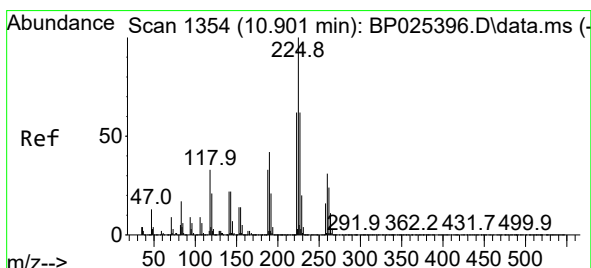
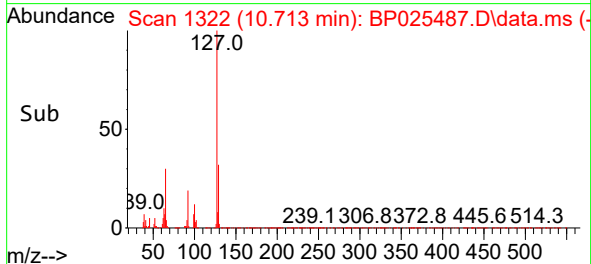
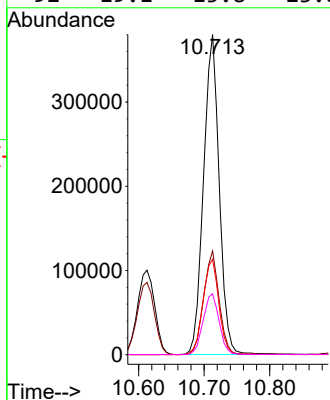
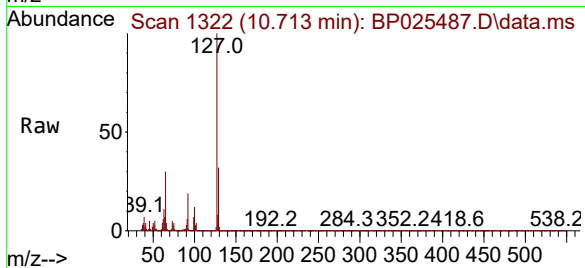




#33
4-Chloroaniline
Concen: 40.661 ng
RT: 10.713 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

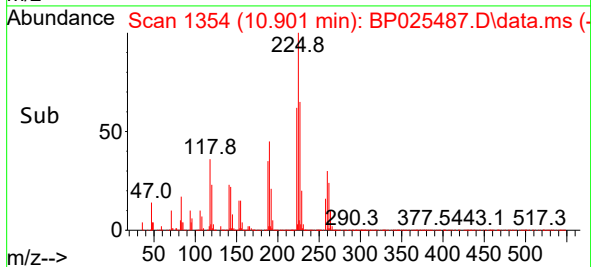
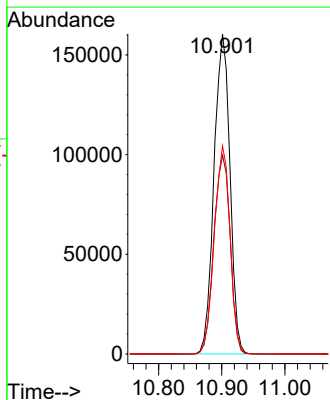
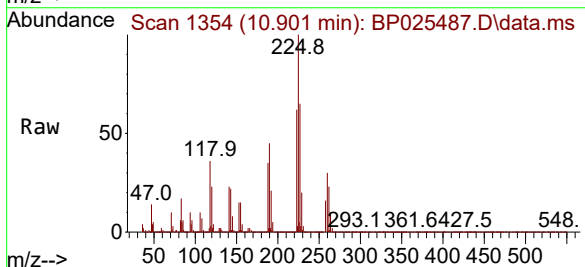
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

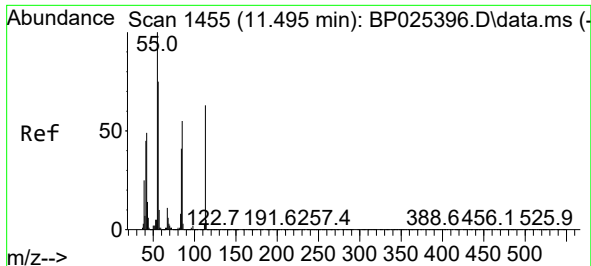
Tgt Ion:	127	Resp:	634028
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.4	38.2
65	29.8	23.8	35.6
92	19.1	15.8	23.8



#34
Hexachlorobutadiene
Concen: 39.100 ng
RT: 10.901 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:	225	Resp:	280821
Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.0	75.0
227	65.1	49.7	74.5

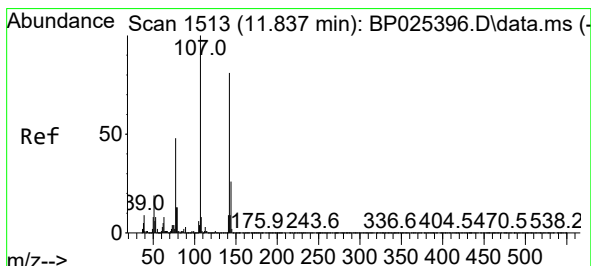
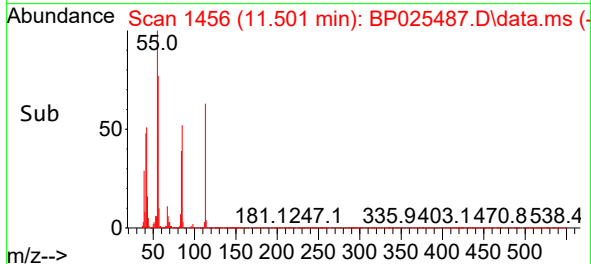
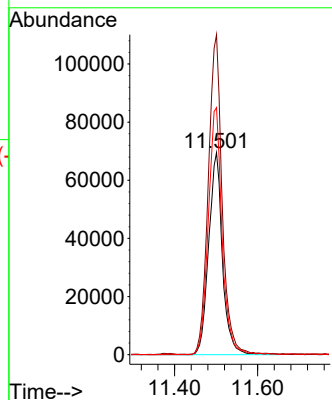
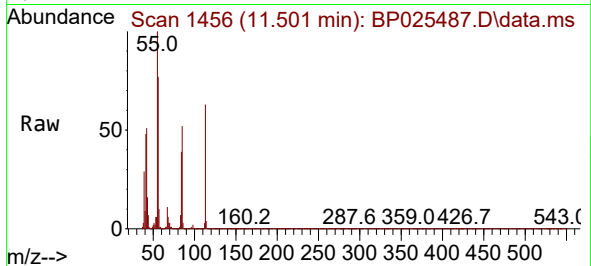




#35
Caprolactam
Concen: 41.192 ng
RT: 11.501 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

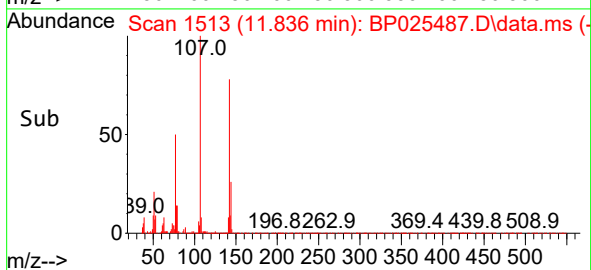
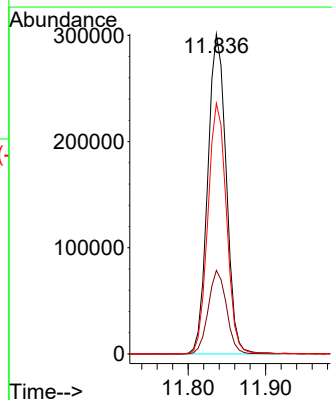
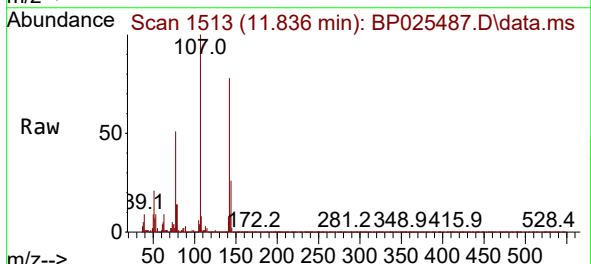
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

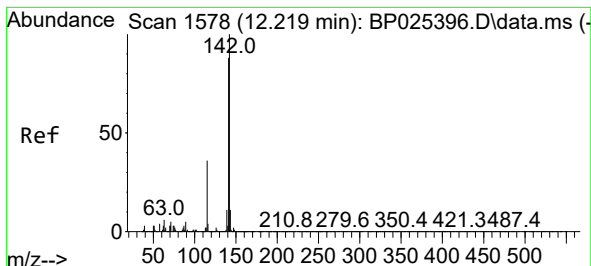
Tgt Ion:113 Resp: 158902
Ion Ratio Lower Upper
113 100
55 158.4 140.0 180.0
56 122.3 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 41.295 ng
RT: 11.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:107 Resp: 498499
Ion Ratio Lower Upper
107 100
144 26.1 21.0 31.4
142 78.3 64.6 97.0

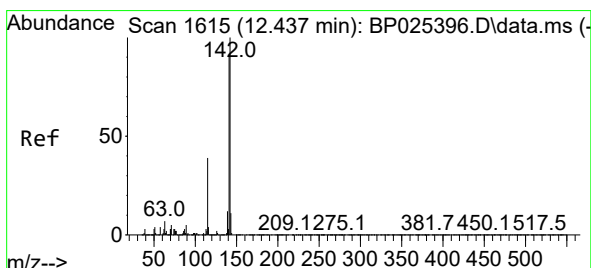
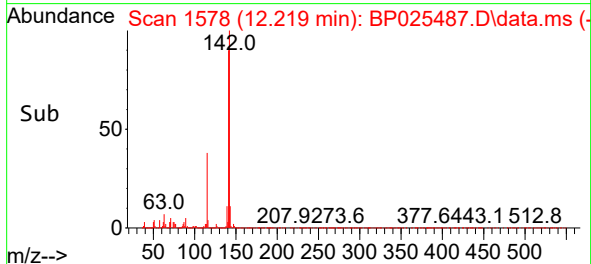
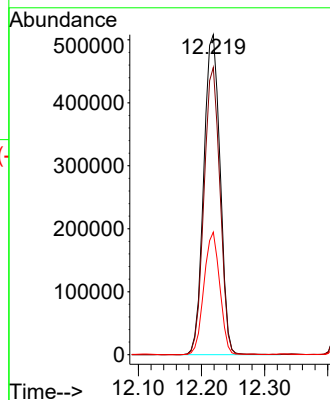
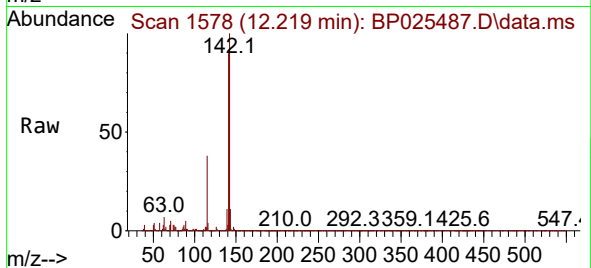




#37
2-Methylnaphthalene
Concen: 39.806 ng
RT: 12.219 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

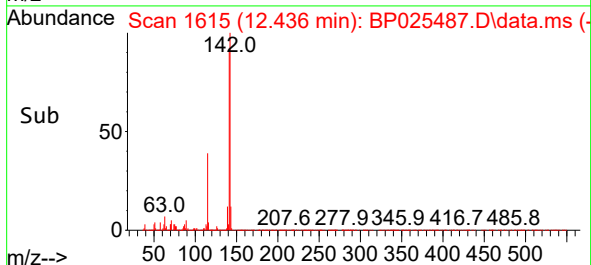
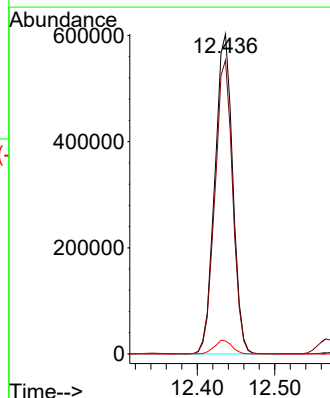
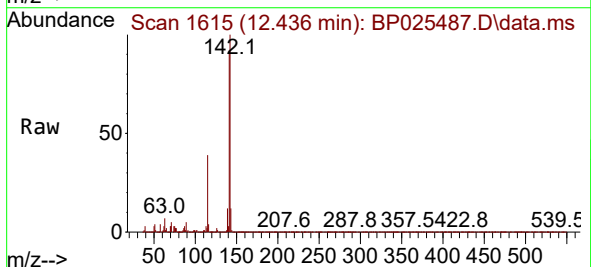
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

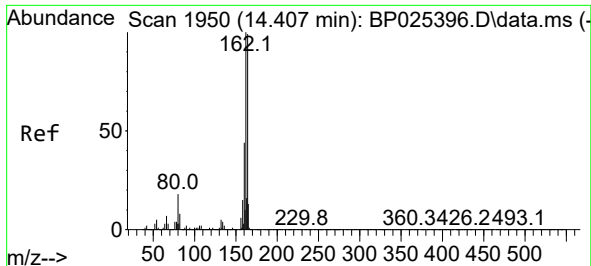
Tgt Ion:142 Resp: 914456
Ion Ratio Lower Upper
142 100
141 89.8 70.3 105.5
115 38.3 28.9 43.3



#38
1-Methylnaphthalene
Concen: 39.466 ng
RT: 12.436 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:142 Resp: 964168
Ion Ratio Lower Upper
142 100
141 91.8 73.1 109.7
116 4.0 3.2 4.8

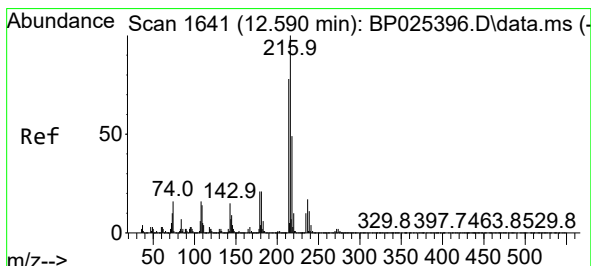
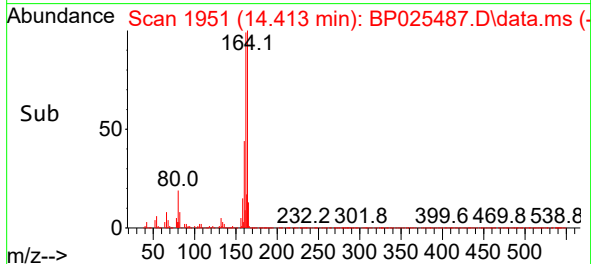
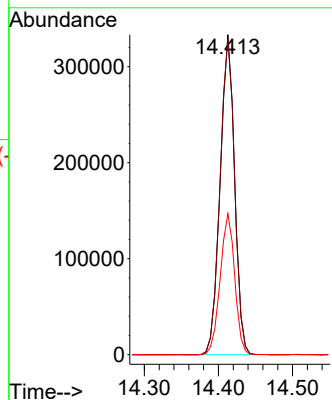
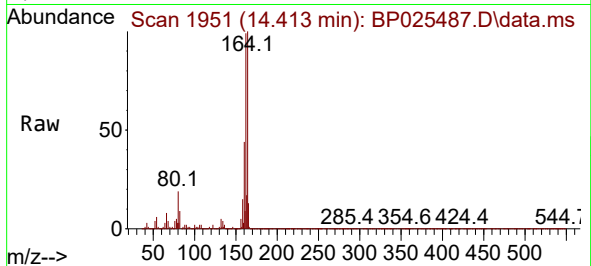




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

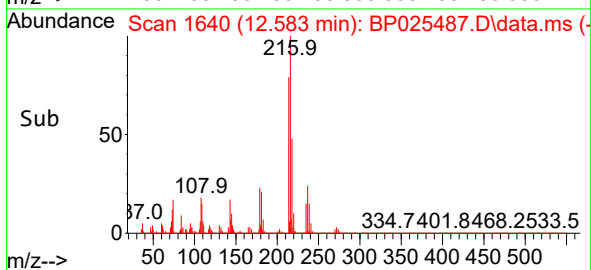
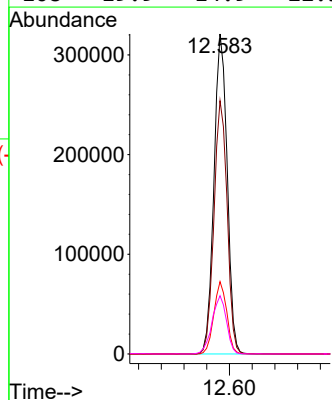
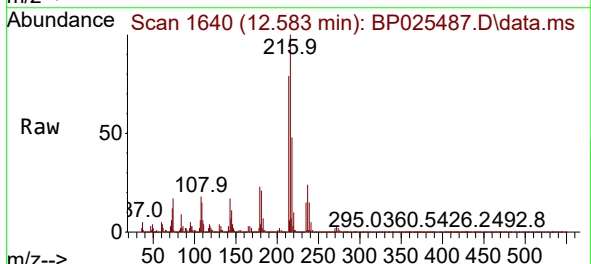
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

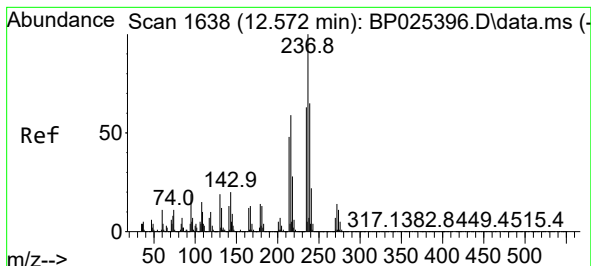
Tgt Ion:164 Resp: 450864
Ion Ratio Lower Upper
164 100
162 98.7 81.0 121.6
160 44.1 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.618 ng
RT: 12.583 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:216 Resp: 515884
Ion Ratio Lower Upper
216 100
214 79.1 63.0 94.4
179 22.1 17.1 25.7
108 19.9 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 46.040 ng

RT: 12.566 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

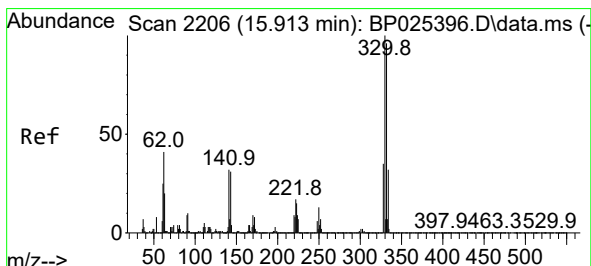
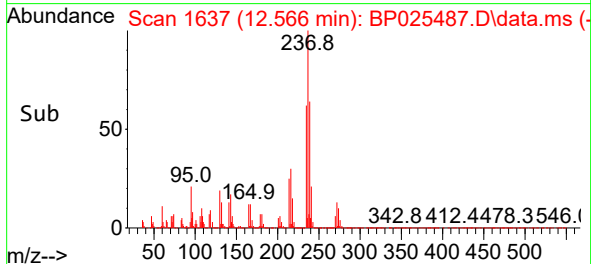
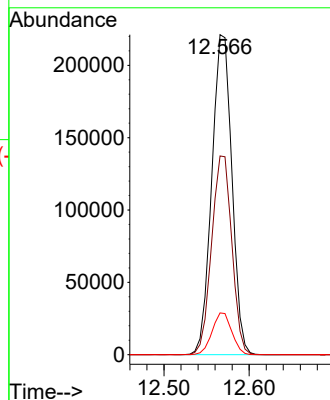
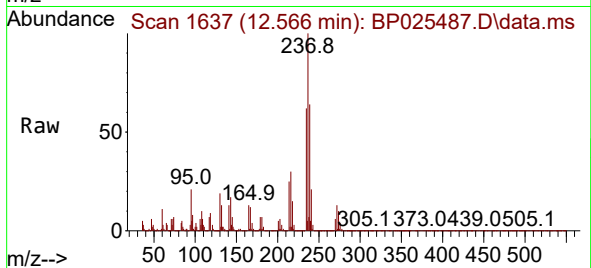
Tgt Ion:237 Resp: 362128

Ion Ratio Lower Upper

237 100

235 62.1 42.7 82.7

272 13.1 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 82.710 ng

RT: 15.919 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

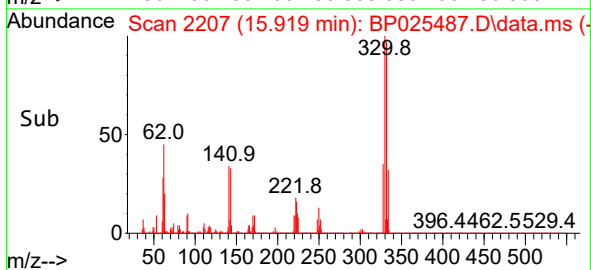
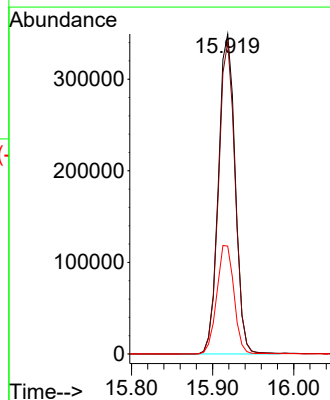
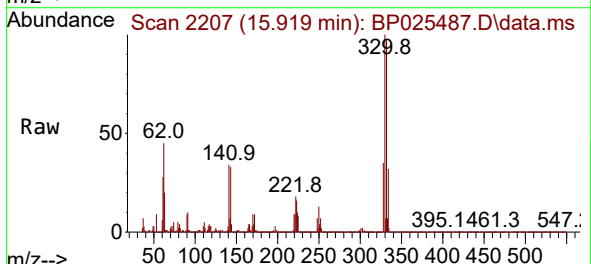
Tgt Ion:330 Resp: 501941

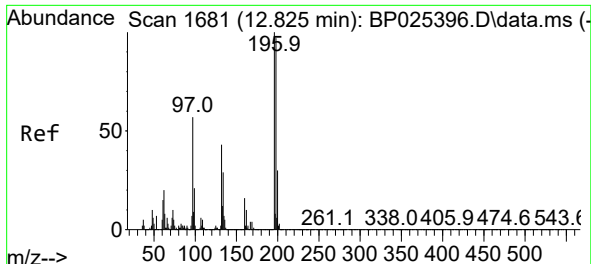
Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

141 34.8 26.6 39.8

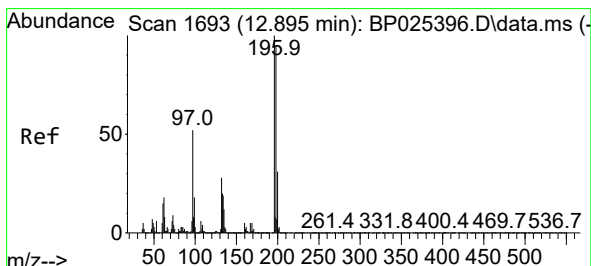
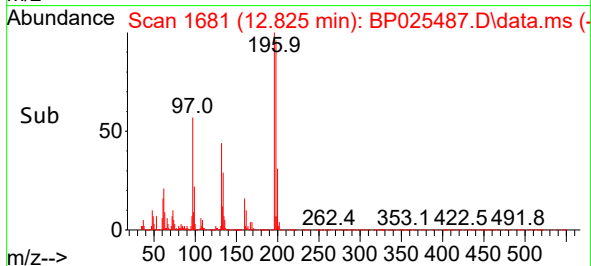
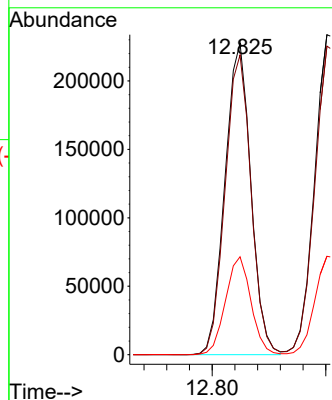
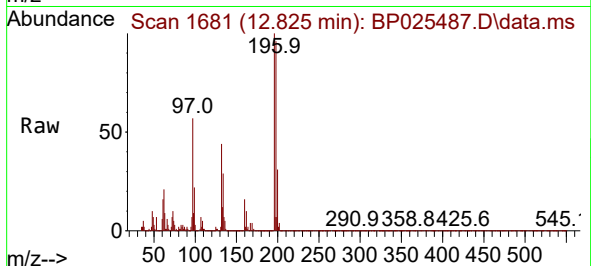




#43
2,4,6-Trichlorophenol
Concen: 40.986 ng
RT: 12.825 min Scan# 1681
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

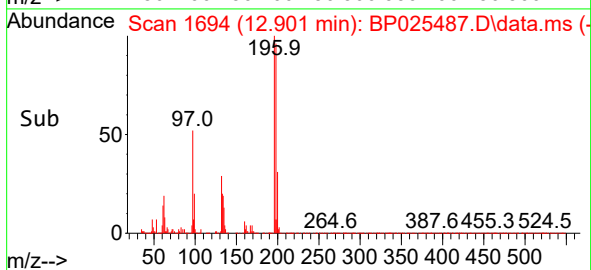
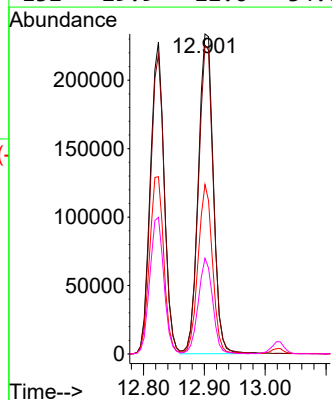
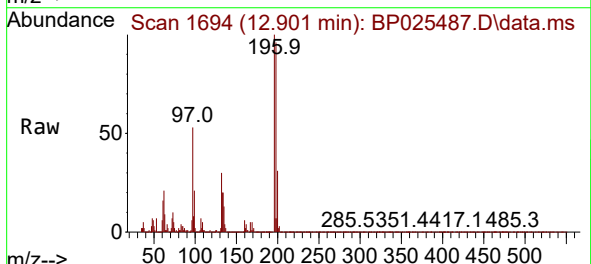
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

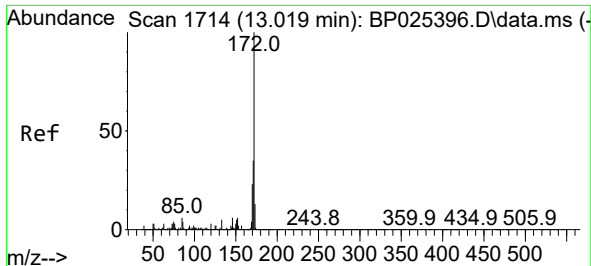
Tgt Ion:196 Resp: 360300
Ion Ratio Lower Upper
196 100
198 96.1 77.2 115.8
200 31.4 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 41.492 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:196 Resp: 399763
Ion Ratio Lower Upper
196 100
198 96.4 76.2 114.2
97 53.0 41.2 61.8
132 29.9 22.6 34.0

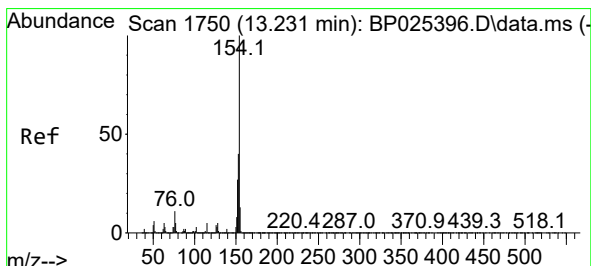
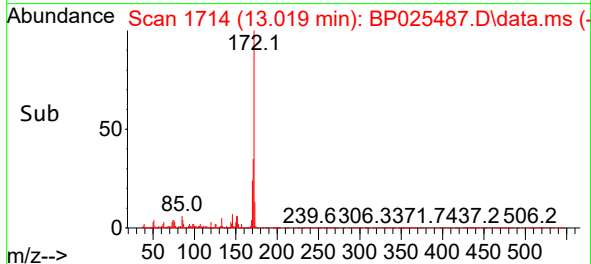
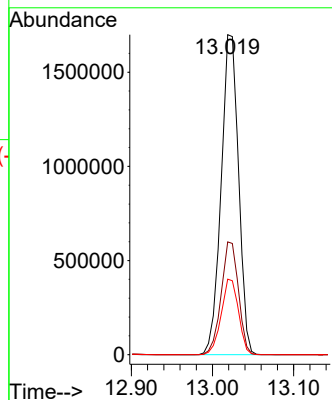
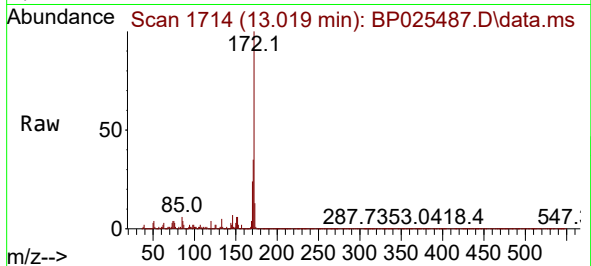




#45
2-Fluorobiphenyl
Concen: 76.967 ng
RT: 13.019 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

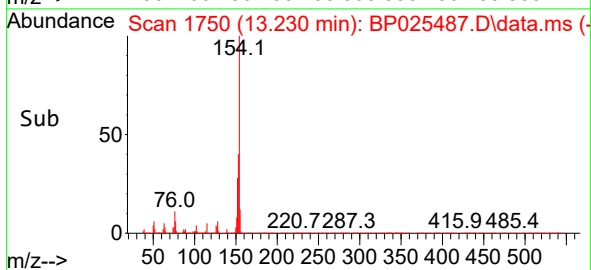
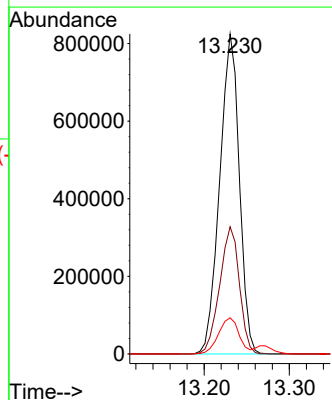
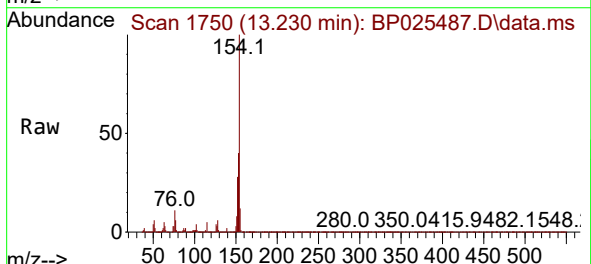
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

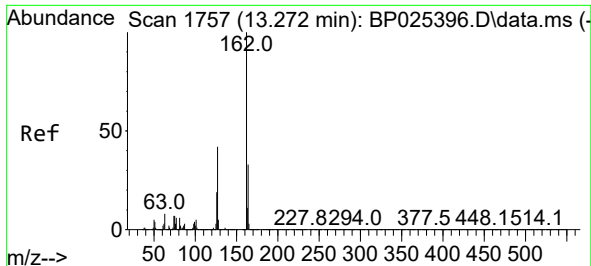
Tgt Ion:172 Resp: 2539096
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.6 18.6 28.0



#46
1,1'-Biphenyl
Concen: 40.264 ng
RT: 13.230 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:154 Resp: 1318412
Ion Ratio Lower Upper
154 100
153 39.8 19.5 59.5
76 11.3 0.0 31.1

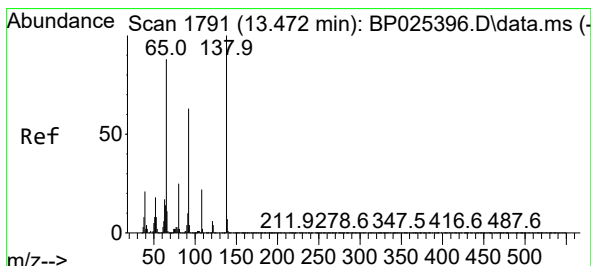
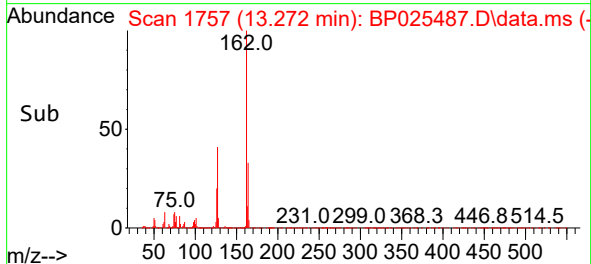
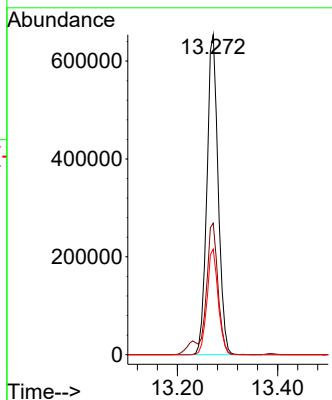
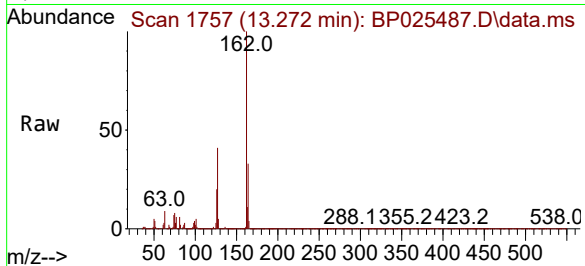




#47
2-Chloronaphthalene
Concen: 39.989 ng
RT: 13.272 min Scan# 1757
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

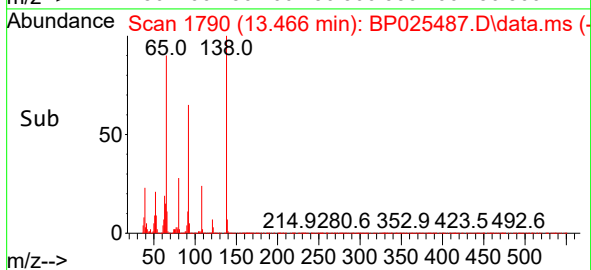
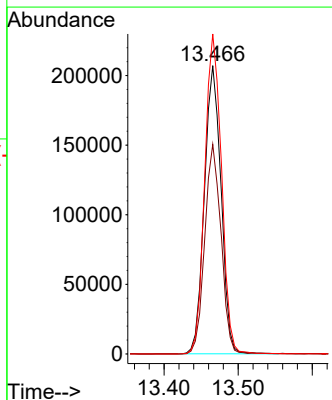
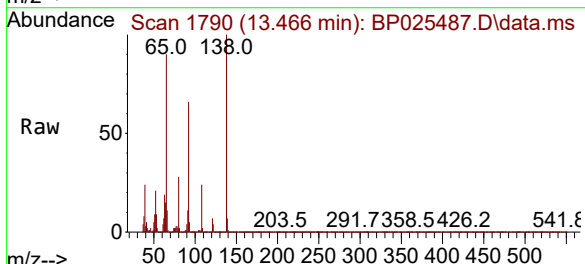
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

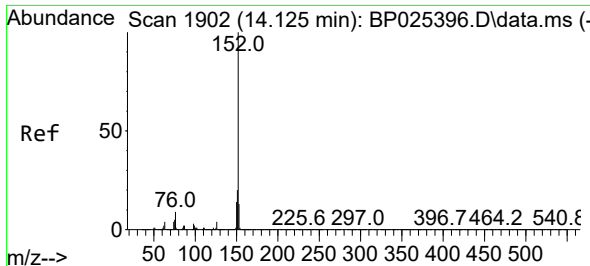
Tgt Ion:162 Resp: 1019352
Ion Ratio Lower Upper
162 100
127 41.1 33.4 50.2
164 33.0 26.2 39.2



#48
2-Nitroaniline
Concen: 43.643 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 65 Resp: 324159
Ion Ratio Lower Upper
65 100
92 72.7 57.6 86.4
138 111.0 91.0 136.6





#49

Acenaphthylene

Concen: 40.393 ng

RT: 14.124 min Scan# 1902

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

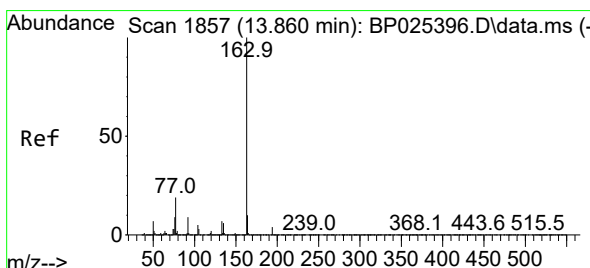
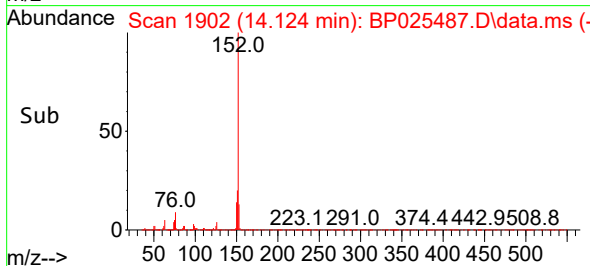
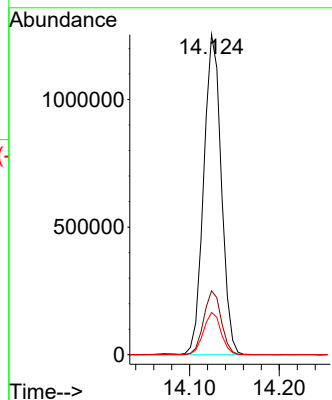
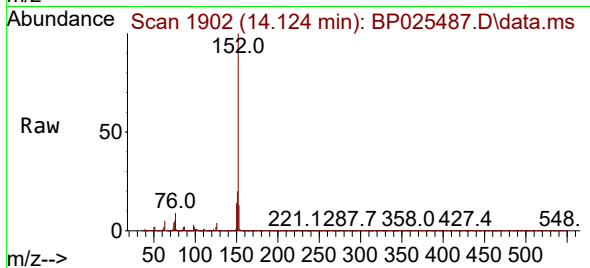
Tgt Ion:152 Resp: 1703788

Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 41.055 ng

RT: 13.854 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

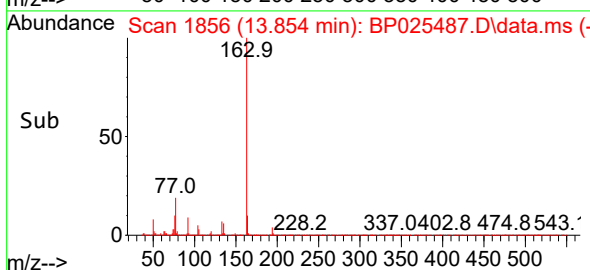
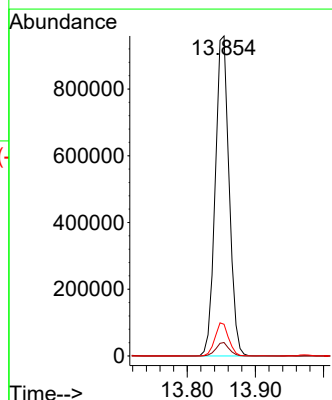
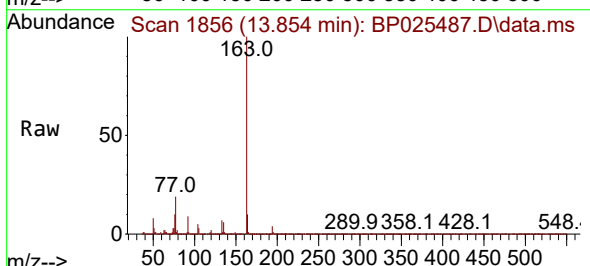
Tgt Ion:163 Resp: 1355491

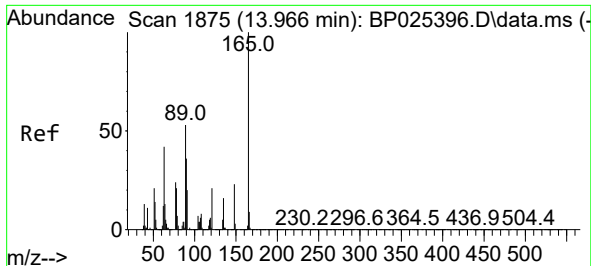
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 9.9 7.9 11.9

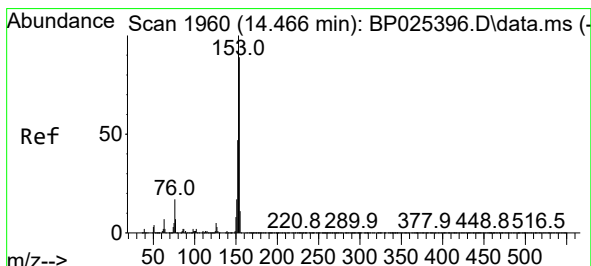
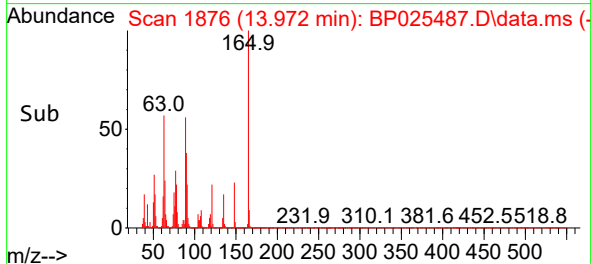
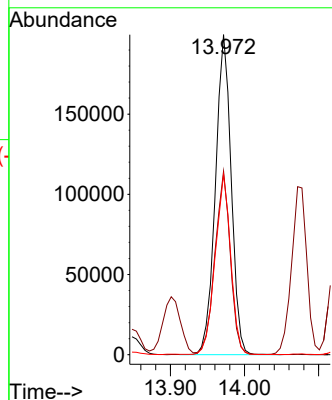
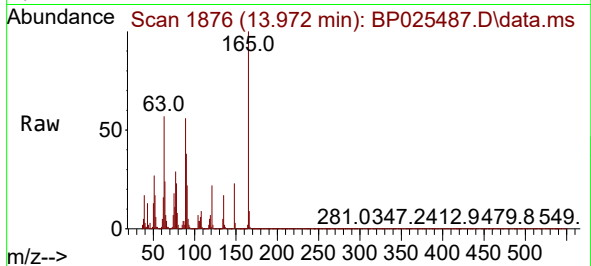




#51
2,6-Dinitrotoluene
Concen: 42.345 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

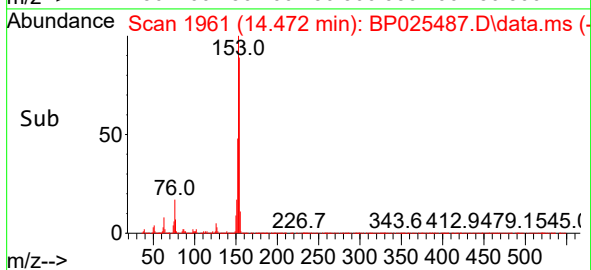
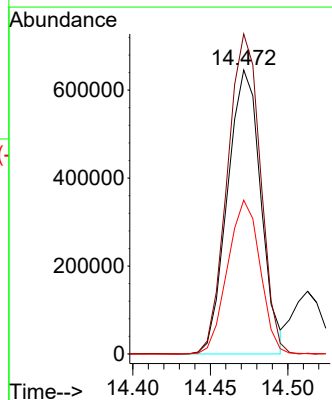
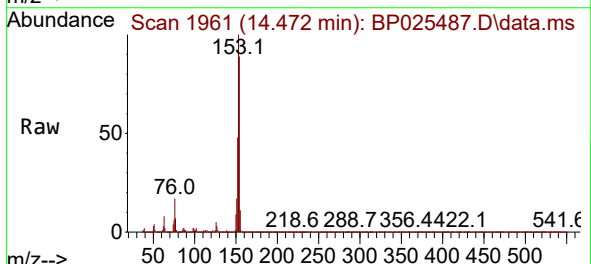
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

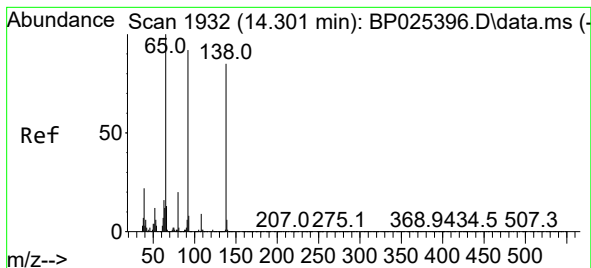
Tgt Ion:165 Resp: 294671
Ion Ratio Lower Upper
165 100
63 57.3 40.9 61.3
89 56.4 42.1 63.1



#52
Acenaphthene
Concen: 39.004 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:154 Resp: 965696
Ion Ratio Lower Upper
154 100
153 112.7 90.2 135.2
152 54.1 42.1 63.1

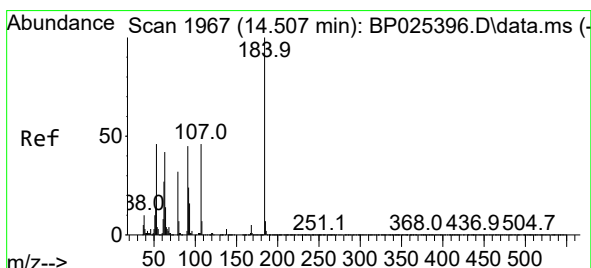
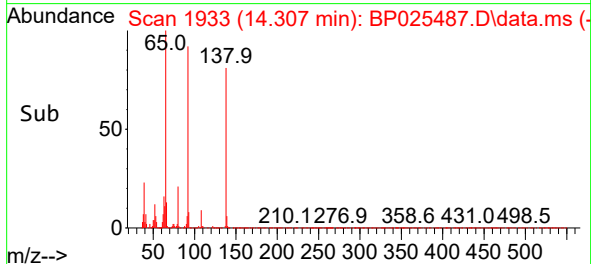
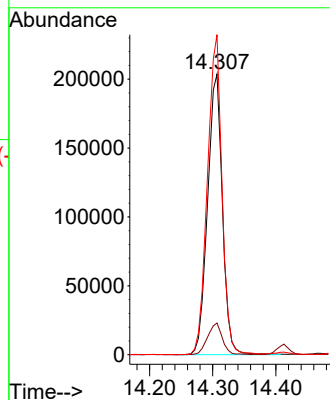
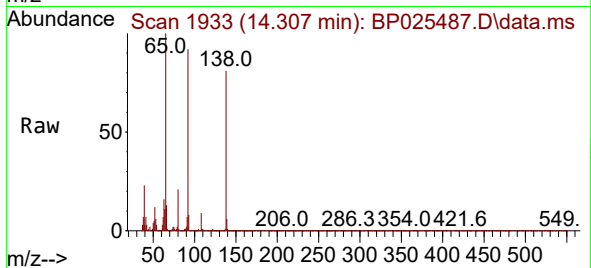




#53
3-Nitroaniline
Concen: 42.258 ng
RT: 14.307 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

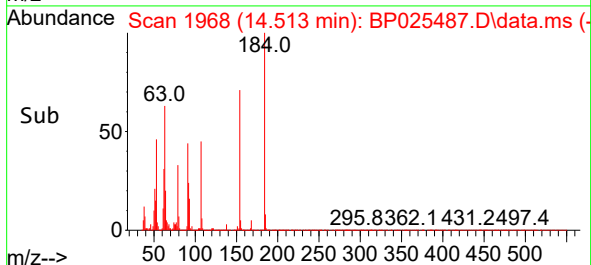
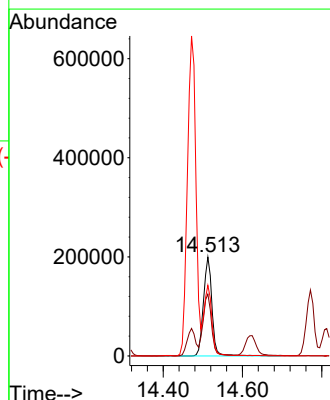
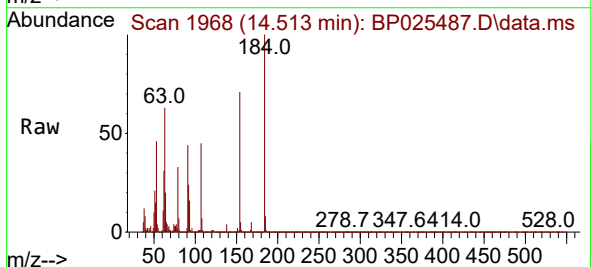
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

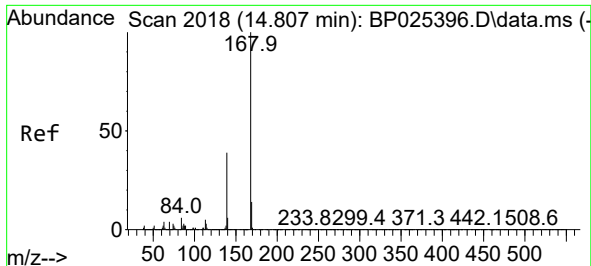
Tgt Ion:138 Resp: 330858
Ion Ratio Lower Upper
138 100
108 11.3 8.3 12.5
92 114.1 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 80.460 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:184 Resp: 299007
Ion Ratio Lower Upper
184 100
63 62.7 49.4 74.2
154 71.4 54.6 82.0

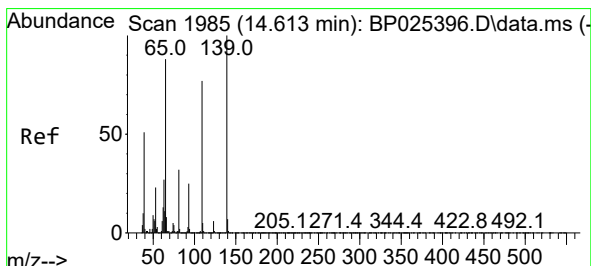
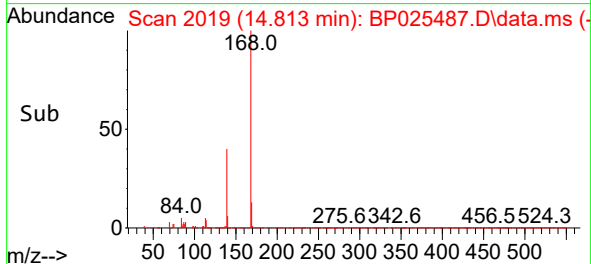
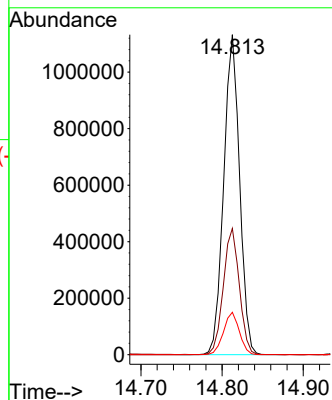
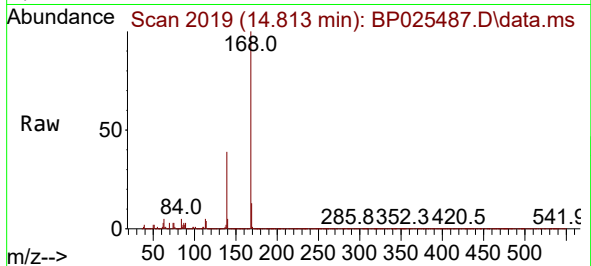




#55
Dibenzenofuran
Concen: 39.380 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

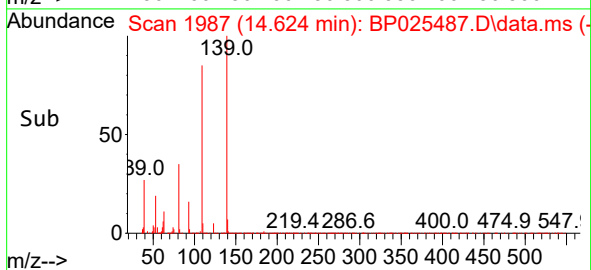
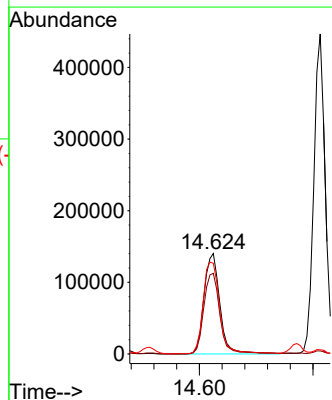
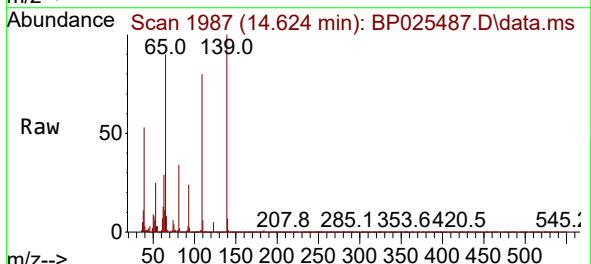
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

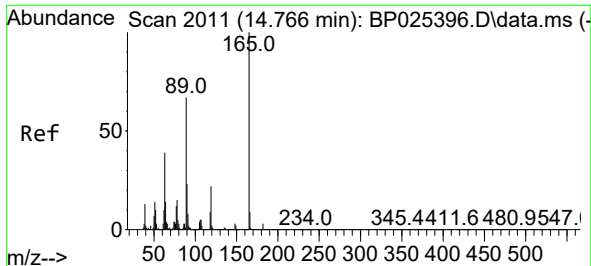
Tgt Ion:168 Resp: 1541513
Ion Ratio Lower Upper
168 100
139 39.4 31.5 47.3
169 13.2 10.9 16.3



#56
4-Nitrophenol
Concen: 42.159 ng
RT: 14.624 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:139 Resp: 271237
Ion Ratio Lower Upper
139 100
109 80.3 56.6 96.6
65 90.3 68.2 108.2

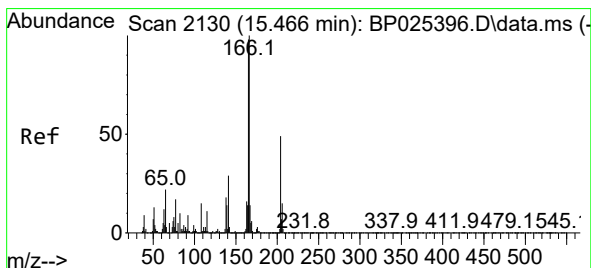
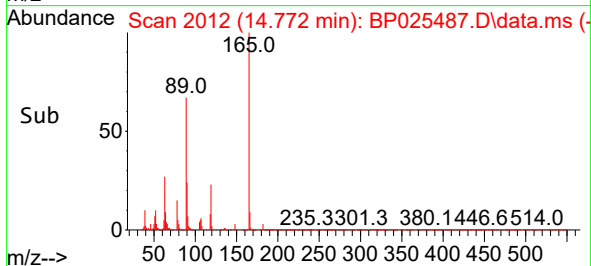
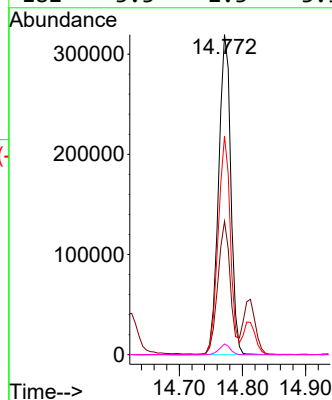
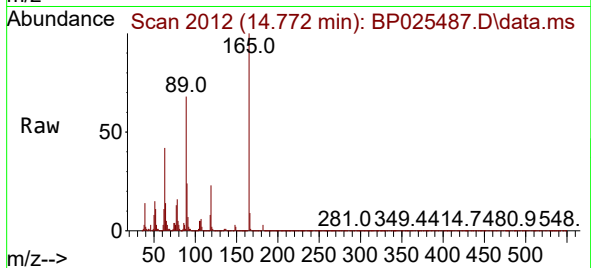




#57
2,4-Dinitrotoluene
Concen: 43.171 ng
RT: 14.772 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

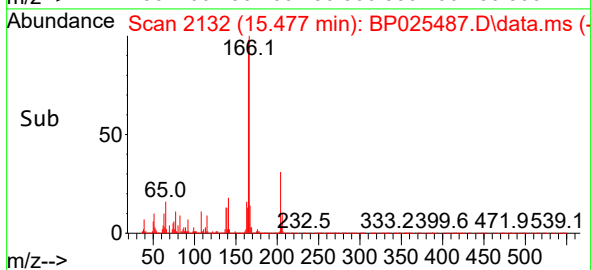
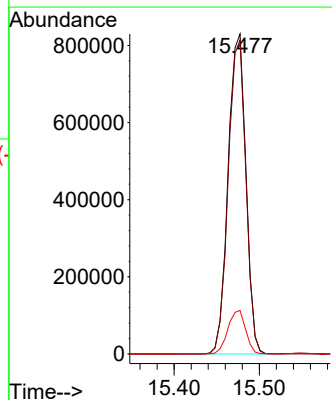
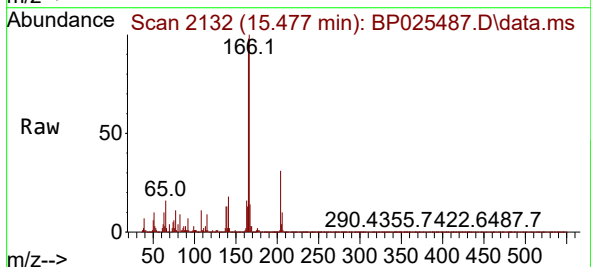
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

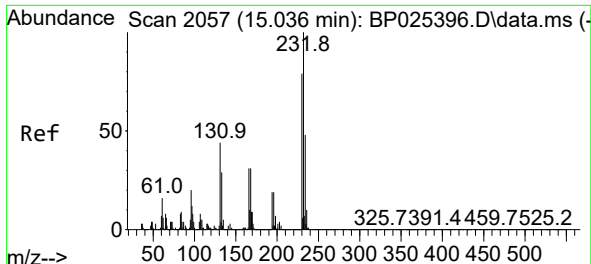
Tgt Ion:	165	Resp:	428628
Ion	Ratio	Lower	Upper
165	100		
63	41.7	31.4	47.2
89	68.3	53.3	79.9
182	3.3	2.3	3.5



#58
Fluorene
Concen: 38.896 ng
RT: 15.477 min Scan# 2132
Delta R.T. 0.011 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:	166	Resp:	1201420
Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.8	118.2
167	13.6	11.0	16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 41.154 ng

RT: 15.042 min Scan# 2058

Delta R.T. 0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:232 Resp: 350101

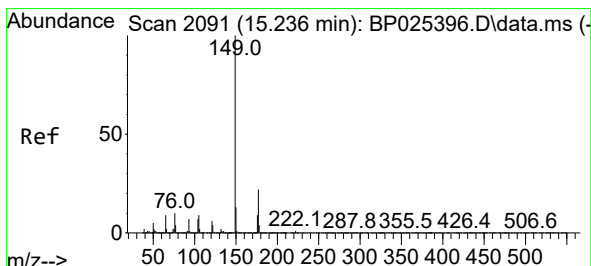
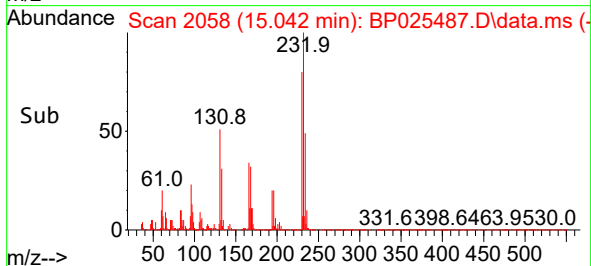
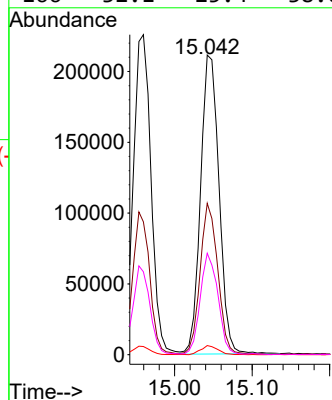
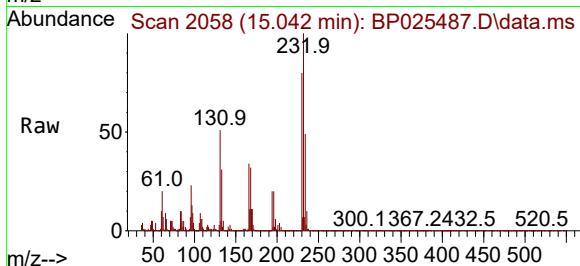
Ion Ratio Lower Upper

232 100

131 48.6 37.0 55.6

130 2.8 1.9 2.9

166 32.1 25.4 38.0



#60

Diethylphthalate

Concen: 41.316 ng

RT: 15.236 min Scan# 2091

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

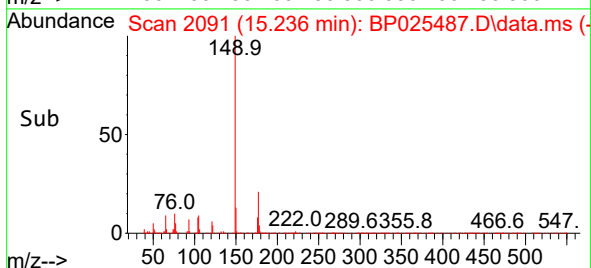
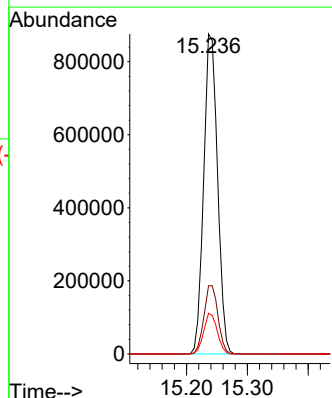
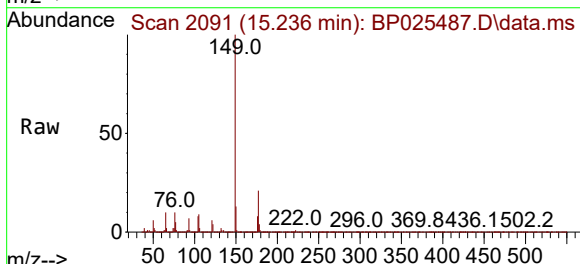
Tgt Ion:149 Resp: 1386072

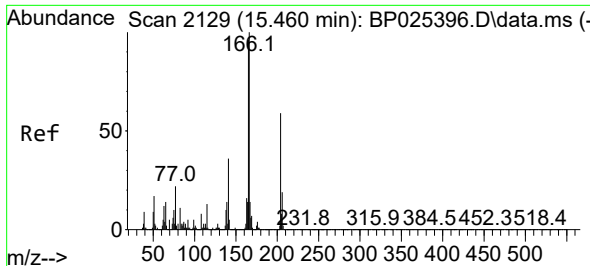
Ion Ratio Lower Upper

149 100

177 21.3 17.3 25.9

150 12.7 10.3 15.5

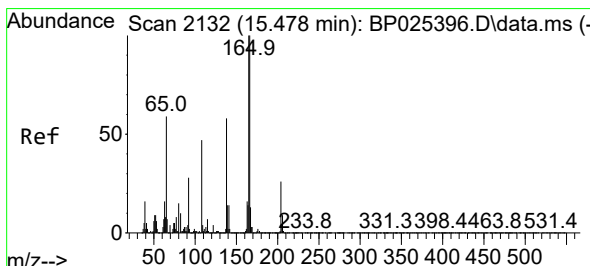
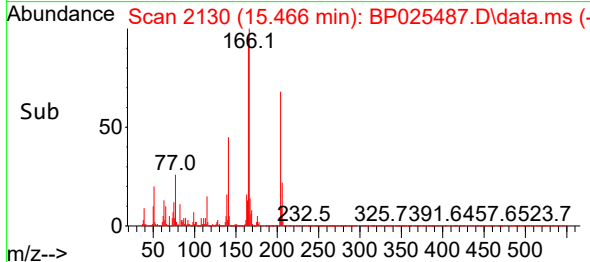
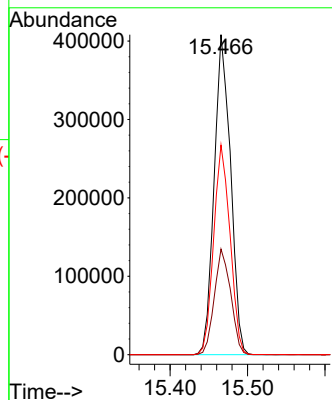
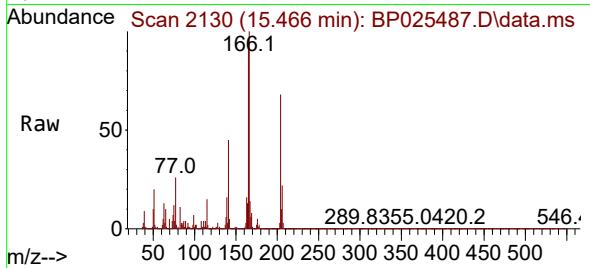




#61
4-Chlorophenyl-phenylether
Concen: 38.989 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

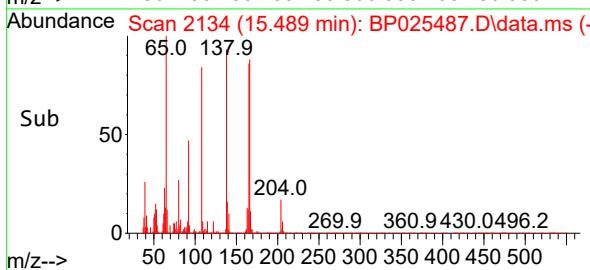
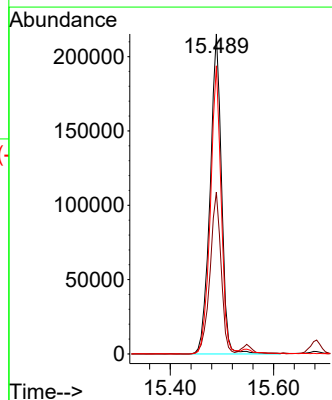
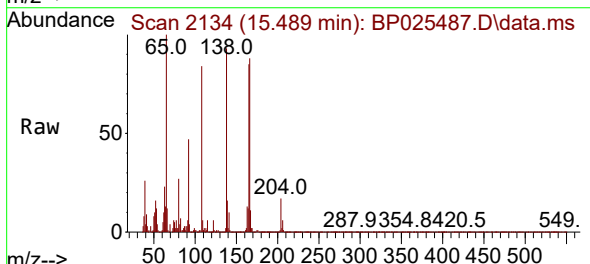
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

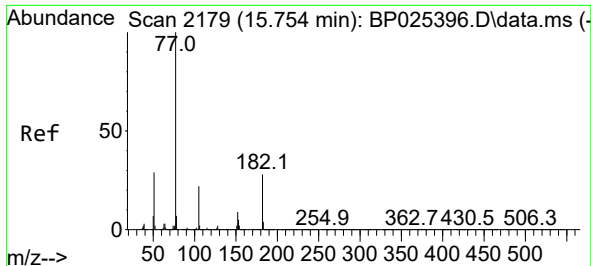
Tgt Ion:204 Resp: 598934
Ion Ratio Lower Upper
204 100
206 33.0 25.8 38.8
141 65.5 49.4 74.2



#62
4-Nitroaniline
Concen: 41.329 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.011 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:138 Resp: 331726
Ion Ratio Lower Upper
138 100
92 50.6 29.1 69.1
108 90.0 61.5 101.5



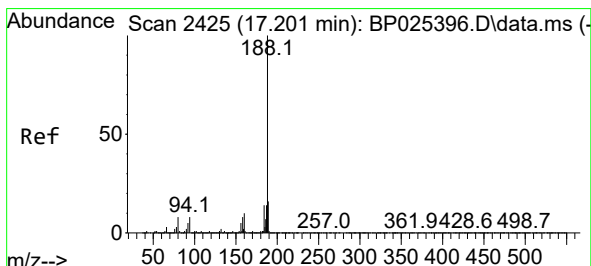
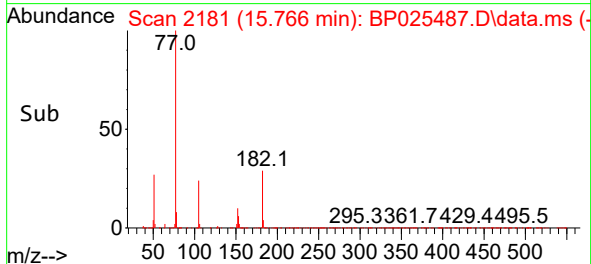
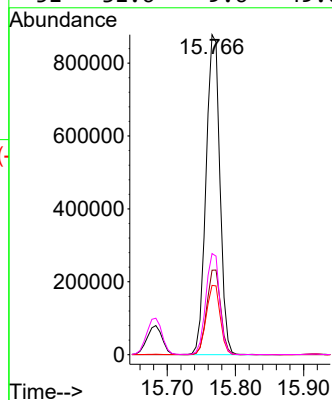
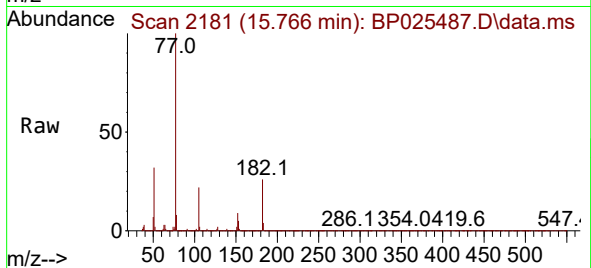


#63
Azobenzene
Concen: 43.196 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1240846

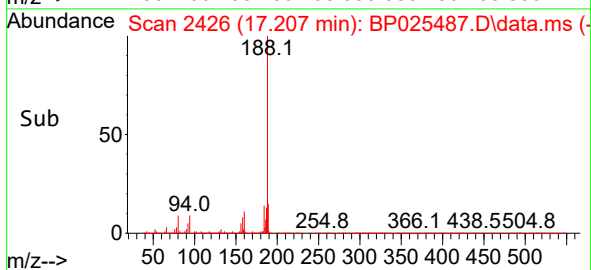
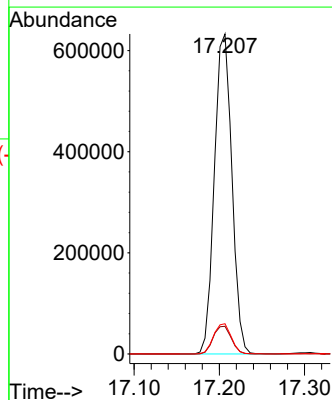
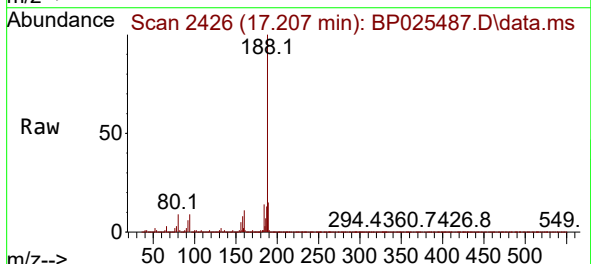
Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.5	47.5
105	21.6	2.1	42.1
51	31.6	9.6	49.6

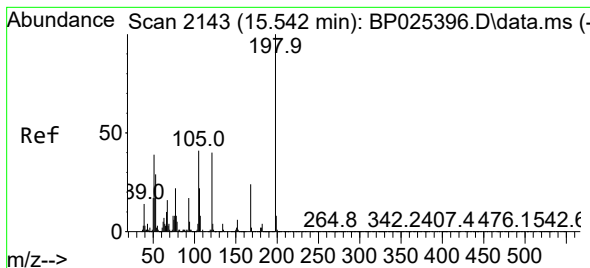


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 188 Resp: 905283

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.5	6.7	10.1

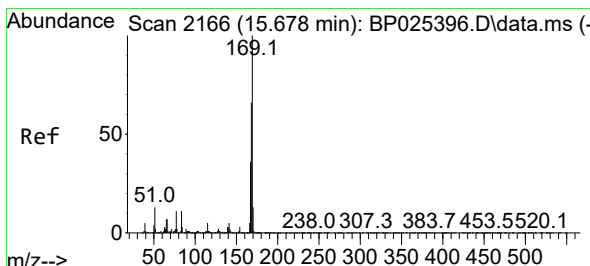
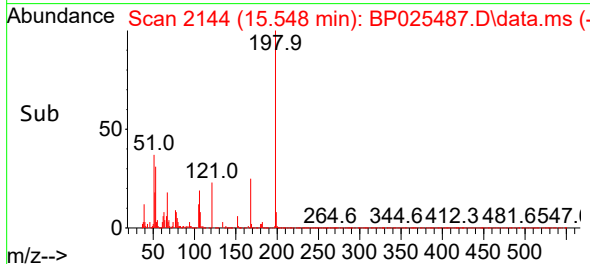
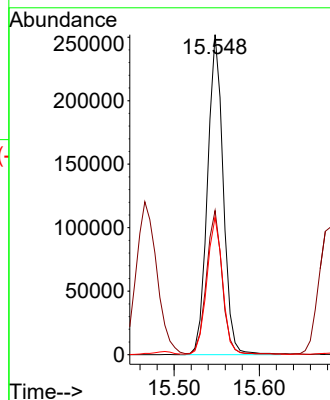
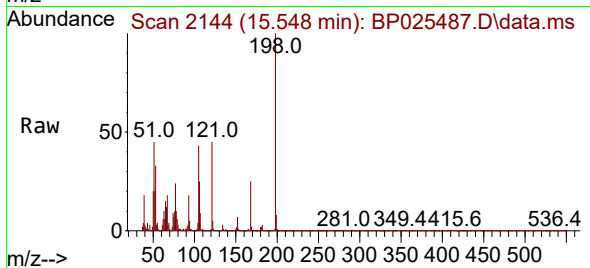




#65
4,6-Dinitro-2-methylphenol
Concen: 57.103 ng
RT: 15.548 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

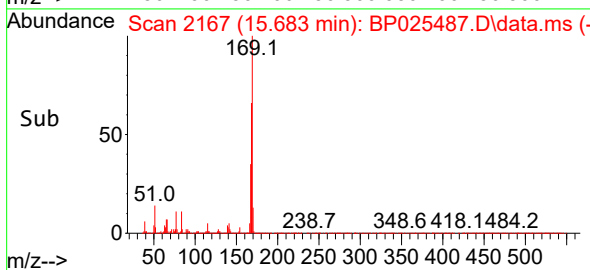
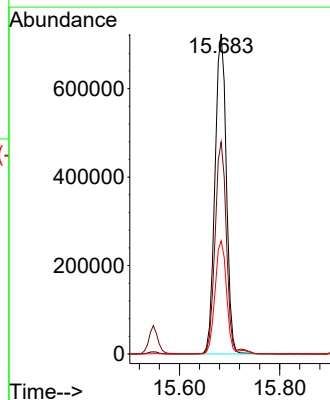
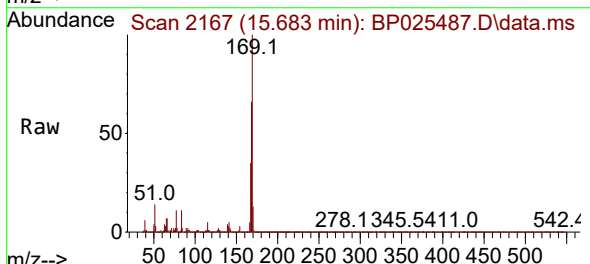
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

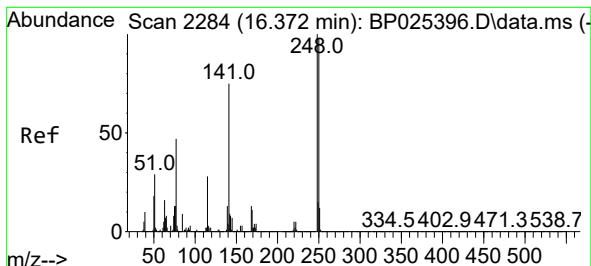
Tgt Ion:198 Resp: 322240
Ion Ratio Lower Upper
198 100
51 45.1 19.6 59.6
105 42.9 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 41.022 ng
RT: 15.683 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:169 Resp: 1132449
Ion Ratio Lower Upper
169 100
168 66.3 53.2 79.8
167 35.3 28.7 43.1

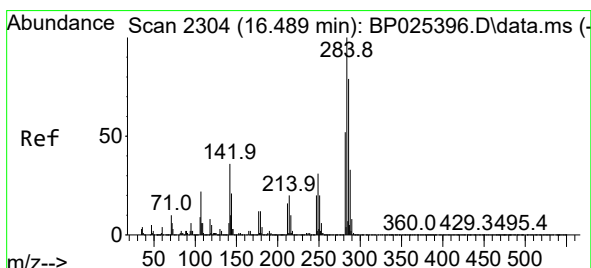
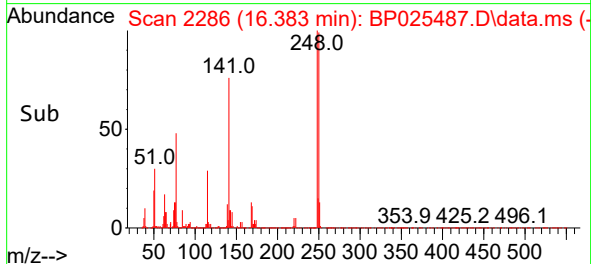
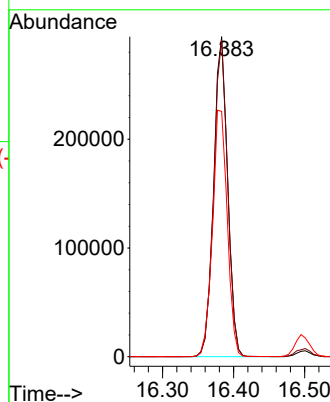
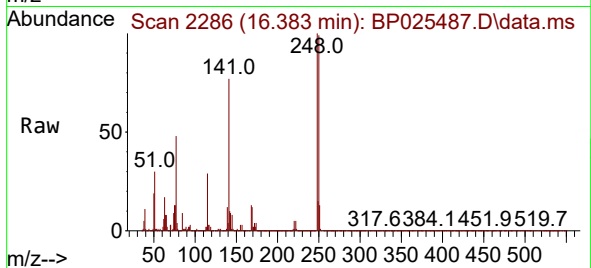




#67
4-Bromophenyl-phenylether
Concen: 40.448 ng
RT: 16.383 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

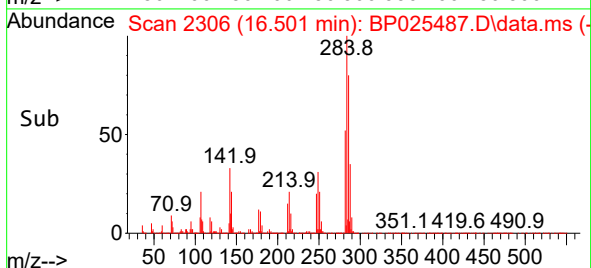
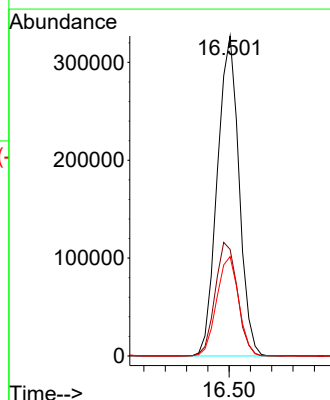
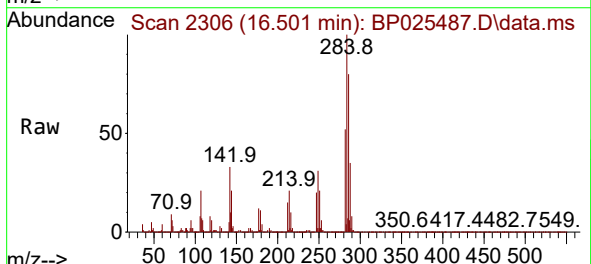
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

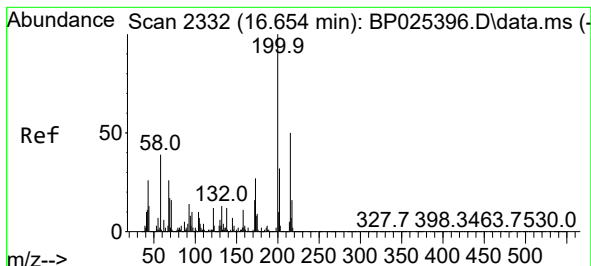
Tgt Ion:248 Resp: 402714
Ion Ratio Lower Upper
248 100
250 99.0 78.2 117.2
141 76.6 59.6 89.4



#68
Hexachlorobenzene
Concen: 39.997 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:284 Resp: 461625
Ion Ratio Lower Upper
284 100
142 33.3 29.1 43.7
249 31.1 25.0 37.4





#69

Atrazine

Concen: 40.669 ng

RT: 16.654 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

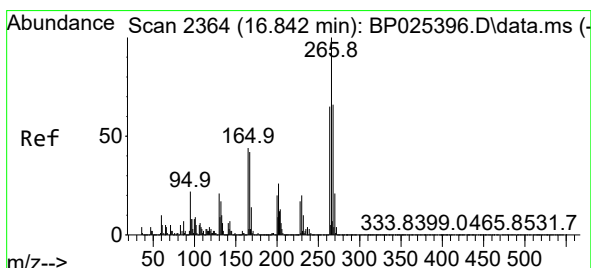
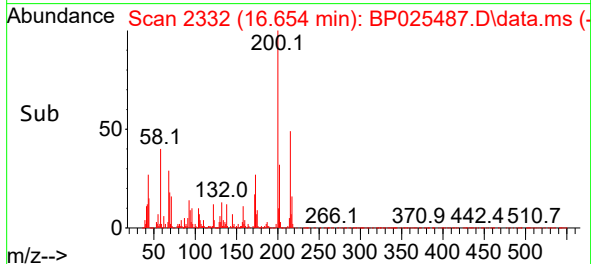
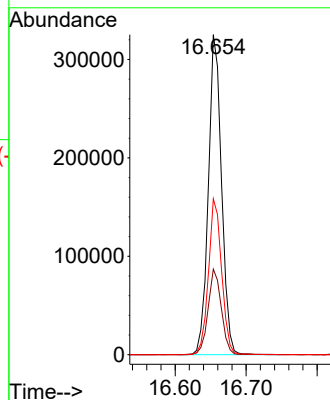
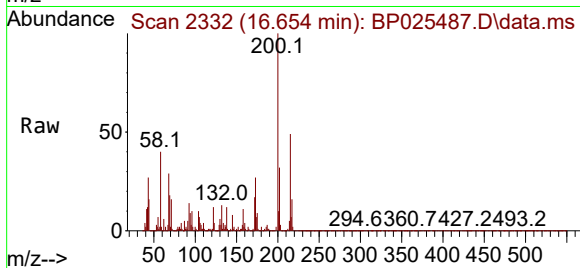
Tgt Ion:200 Resp: 420453

Ion Ratio Lower Upper

200 100

173 26.7 6.7 46.7

215 48.7 29.7 69.7



#70

Pentachlorophenol

Concen: 42.259 ng

RT: 16.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

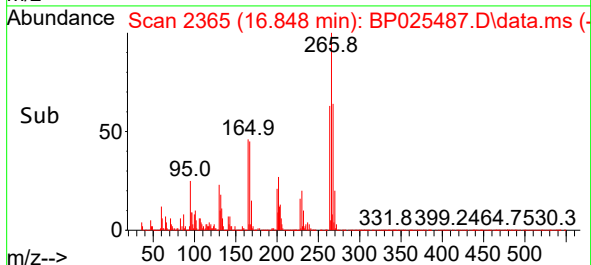
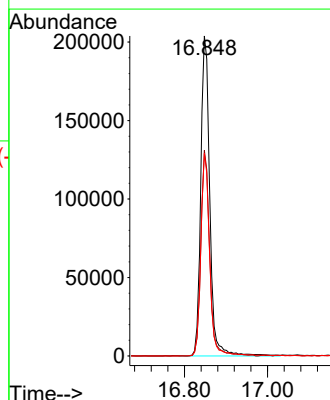
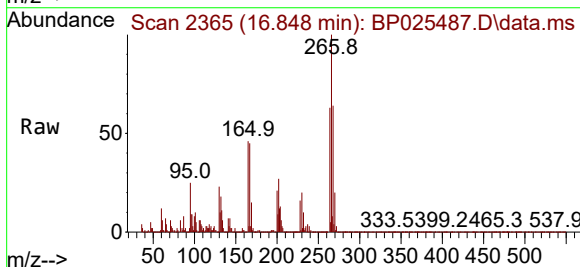
Tgt Ion:266 Resp: 307884

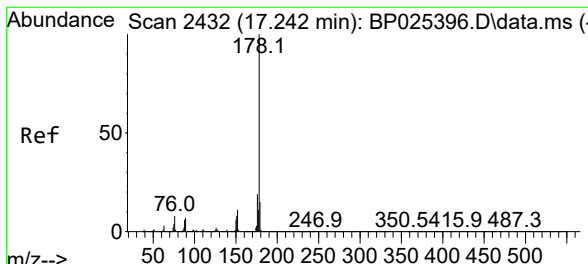
Ion Ratio Lower Upper

266 100

268 64.2 52.6 79.0

264 63.3 52.0 78.0



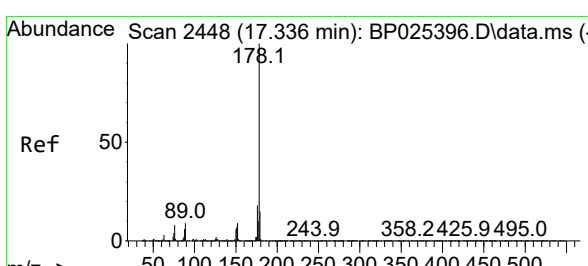
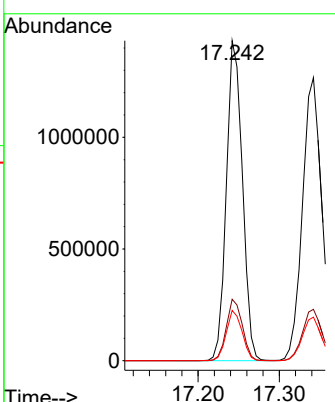
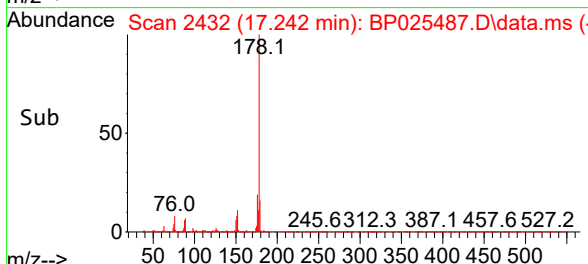
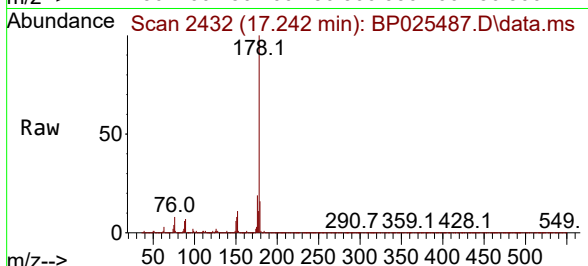


#71
 Phenanthrene
 Concen: 39.449 ng
 RT: 17.242 min Scan# 2432
 Delta R.T. -0.000 min
 Lab File: BP025487.D
 Acq: 19 Aug 2025 23:46

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Tgt Ion:178 Resp: 1961812

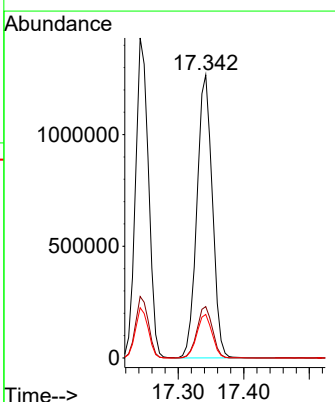
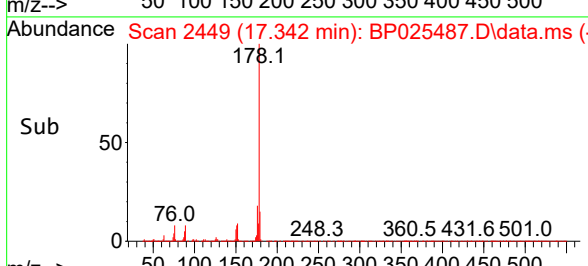
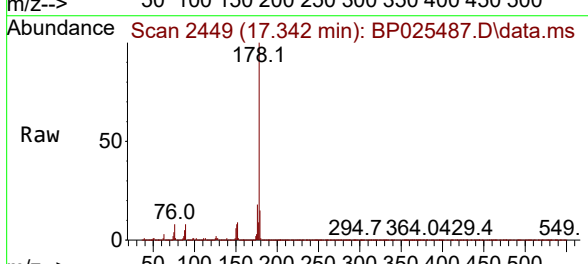
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.7	12.2	18.4

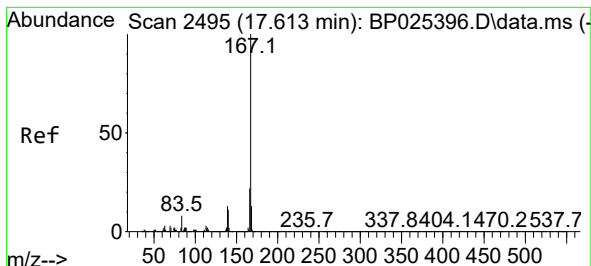


#72
 Anthracene
 Concen: 40.780 ng
 RT: 17.342 min Scan# 2449
 Delta R.T. 0.006 min
 Lab File: BP025487.D
 Acq: 19 Aug 2025 23:46

Tgt Ion:178 Resp: 2071008

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.4	12.2	18.2





#73

Carbazole

Concen: 39.801 ng

RT: 17.618 min Scan# 2495

Delta R.T. 0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

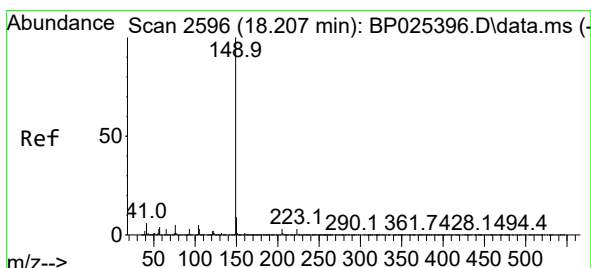
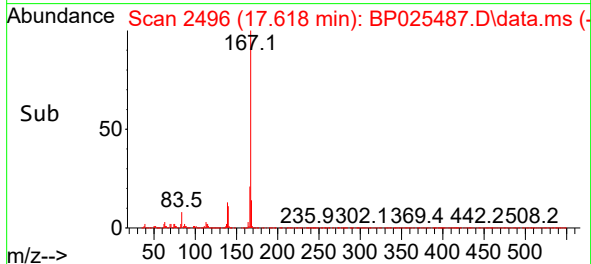
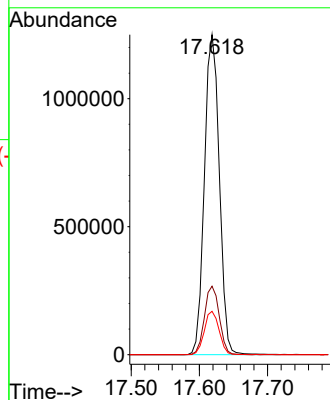
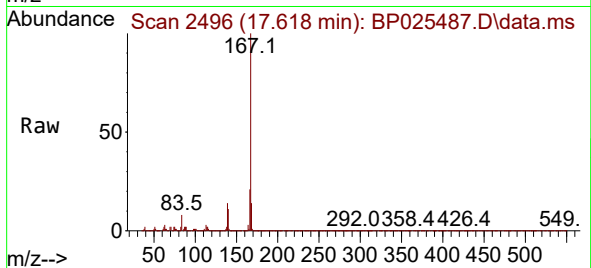
Tgt Ion:167 Resp: 1903889

Ion Ratio Lower Upper

167 100

166 21.4 17.5 26.3

139 13.6 10.6 16.0



#74

Di-n-butylphthalate

Concen: 41.022 ng

RT: 18.212 min Scan# 2597

Delta R.T. 0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

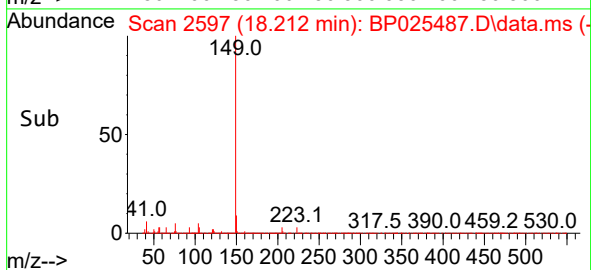
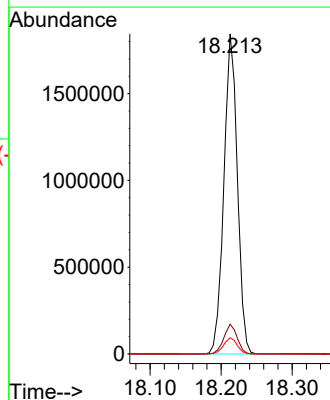
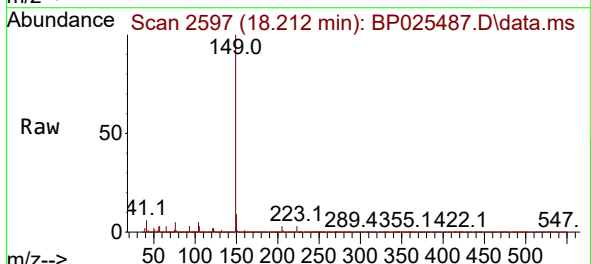
Tgt Ion:149 Resp: 2414257

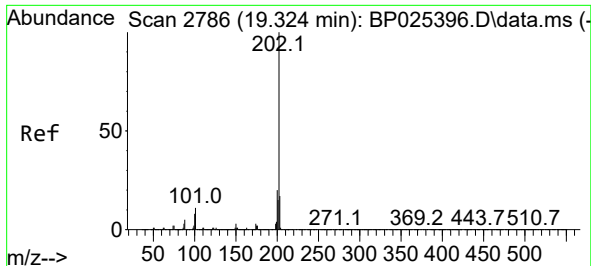
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 5.0 4.2 6.2

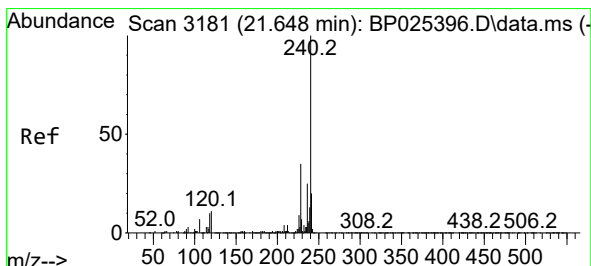
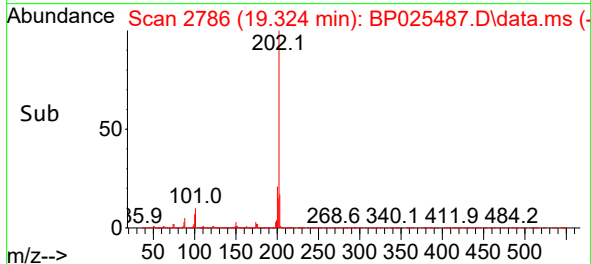
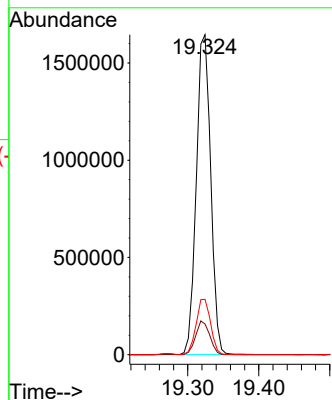
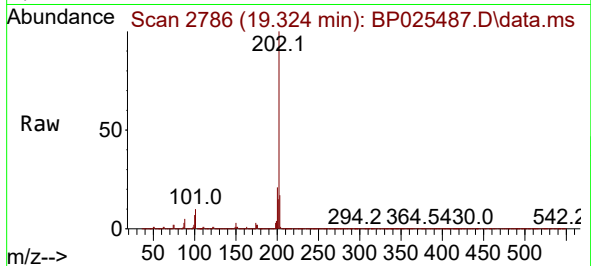




#75
Fluoranthene
Concen: 39.147 ng
RT: 19.324 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

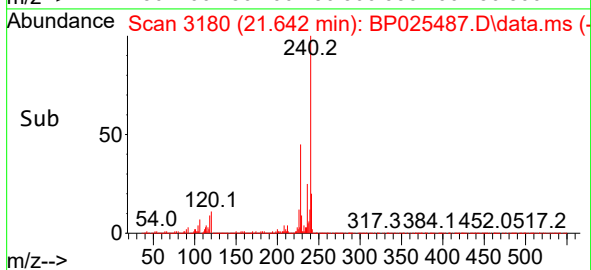
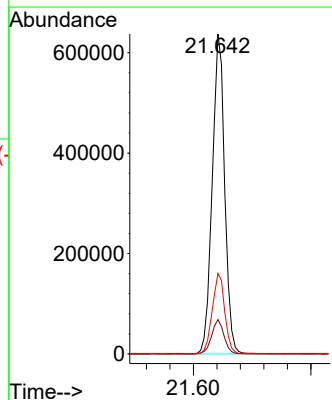
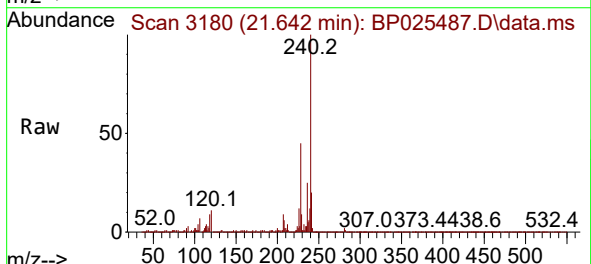
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

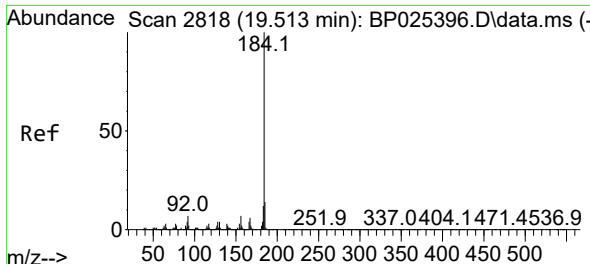
Tgt Ion:202 Resp: 2322167
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.1
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:240 Resp: 932001
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.1 19.8 29.8

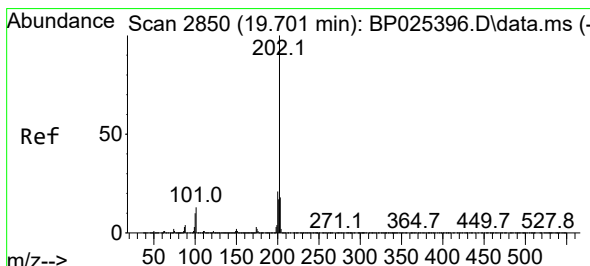
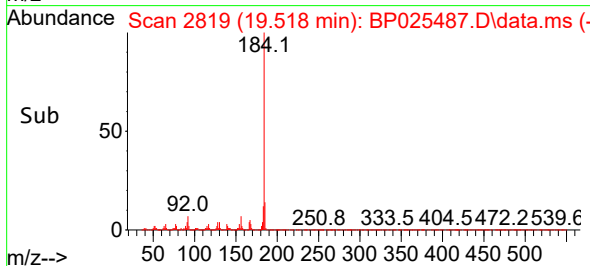
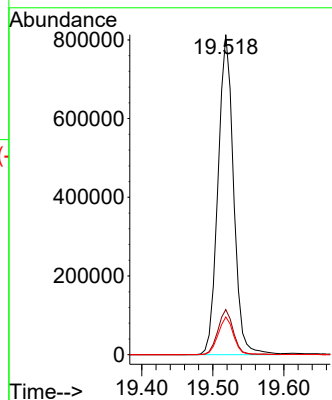
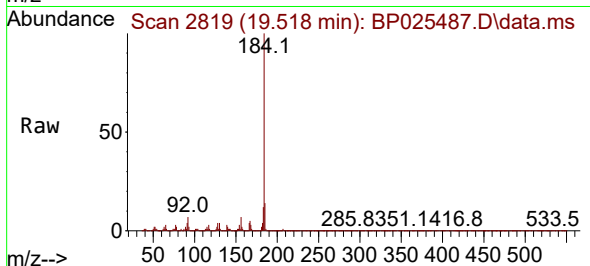




#77
Benzidine
Concen: 38.735 ng
RT: 19.518 min Scan# 2818
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

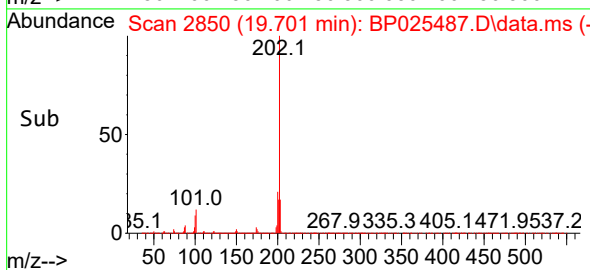
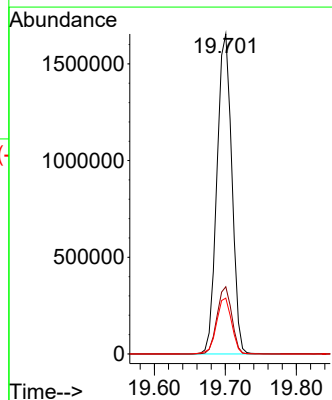
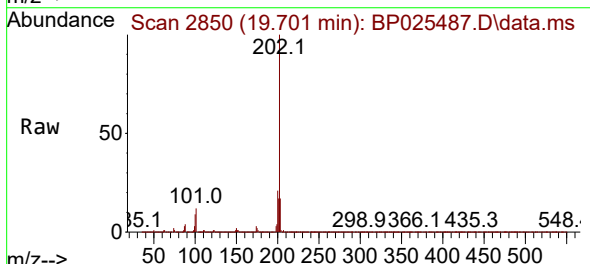
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

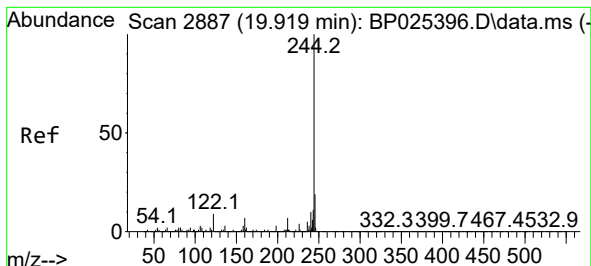
Tgt Ion:184 Resp: 1232065
Ion Ratio Lower Upper
184 100
185 14.1 11.5 17.3
183 11.8 9.4 14.2



#78
Pyrene
Concen: 39.527 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:202 Resp: 2394461
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 77.640 ng

RT: 19.930 min Scan# 2

Delta R.T. 0.012 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

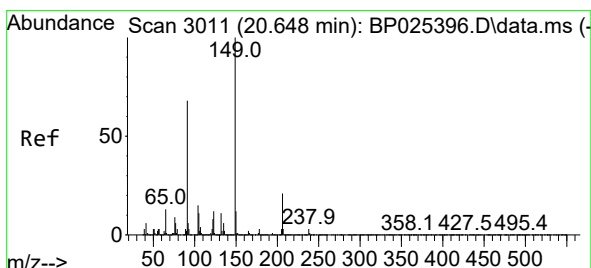
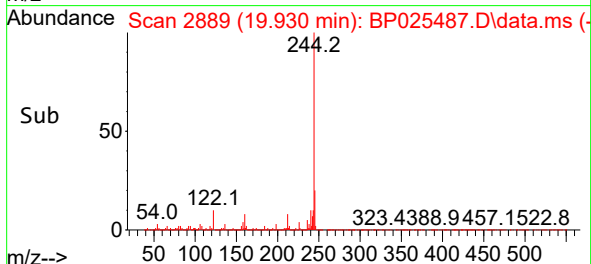
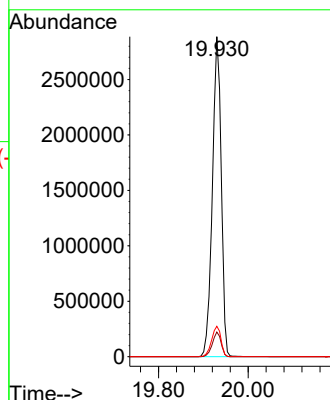
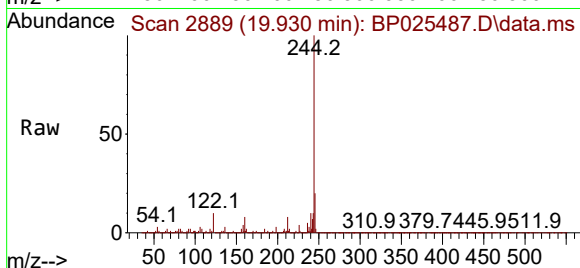
Tgt Ion:244 Resp: 3955073

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

122 9.5 7.4 11.2



#80

Butylbenzylphthalate

Concen: 41.070 ng

RT: 20.654 min Scan# 3012

Delta R.T. 0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

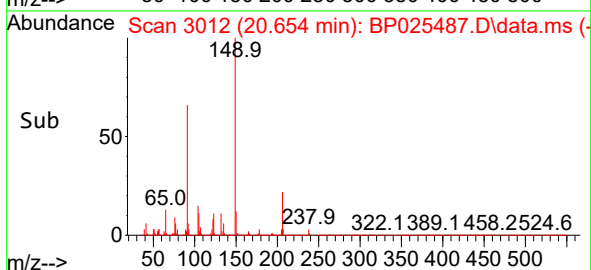
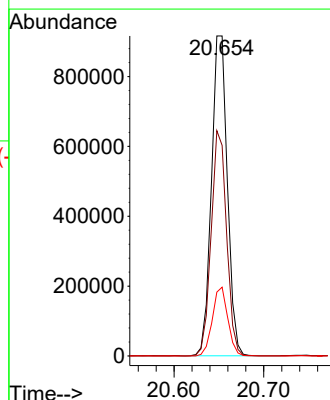
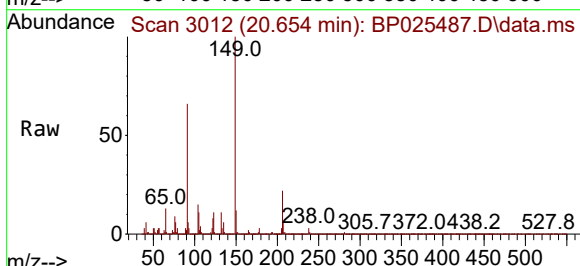
Tgt Ion:149 Resp: 1127547

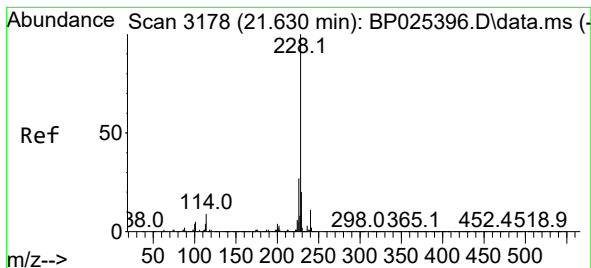
Ion Ratio Lower Upper

149 100

91 65.8 54.2 81.2

206 21.5 16.6 24.8





#81

Benzo(a)anthracene

Concen: 39.477 ng

RT: 21.624 min Scan# 3177

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

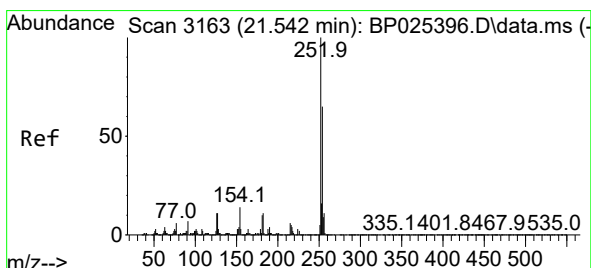
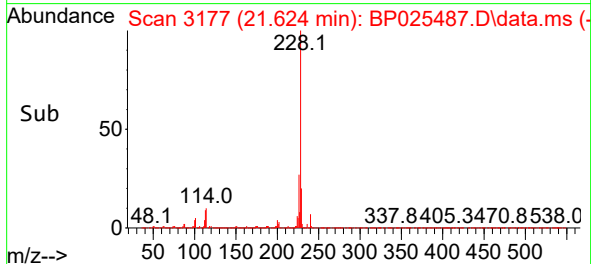
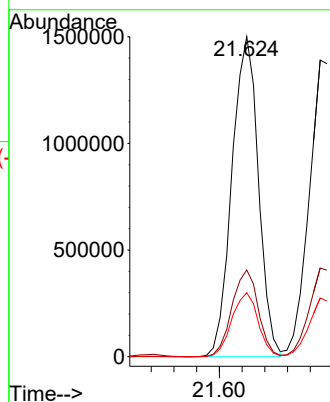
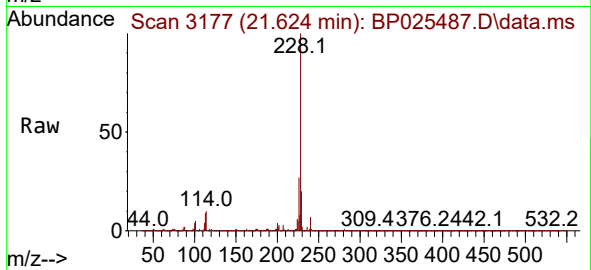
Tgt Ion:228 Resp: 2426505

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

229 20.0 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 39.005 ng

RT: 21.542 min Scan# 3163

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

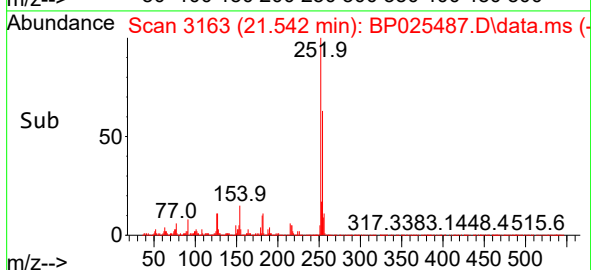
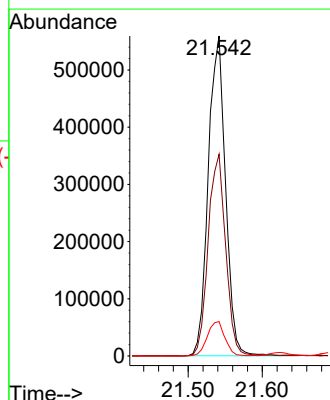
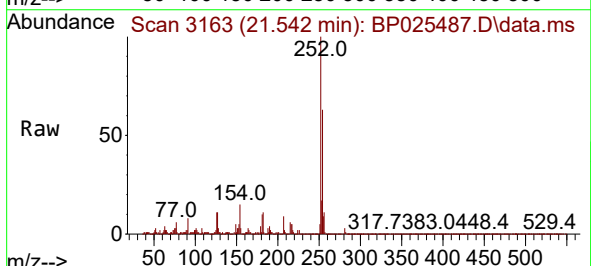
Tgt Ion:252 Resp: 903654

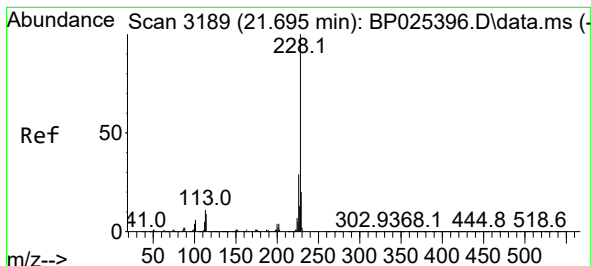
Ion Ratio Lower Upper

252 100

254 63.1 51.8 77.6

126 10.7 9.1 13.7





#83

Chrysene

Concen: 39.855 ng

RT: 21.689 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

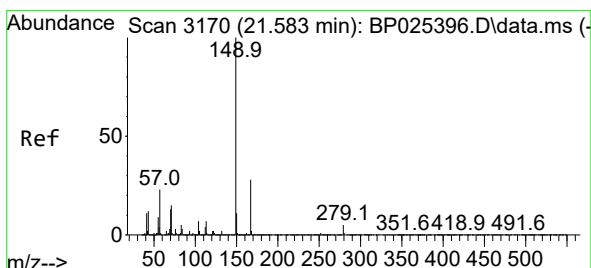
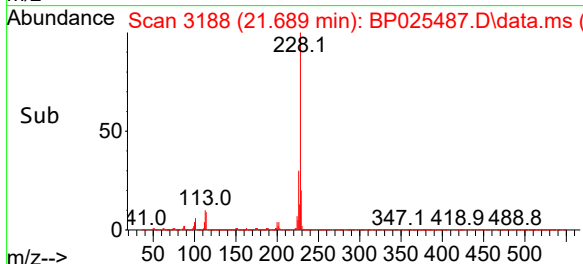
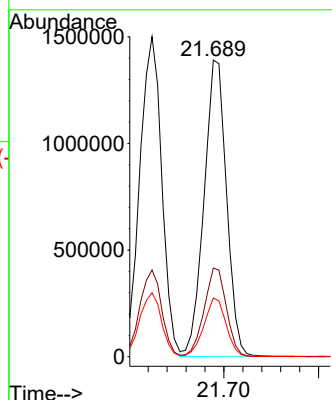
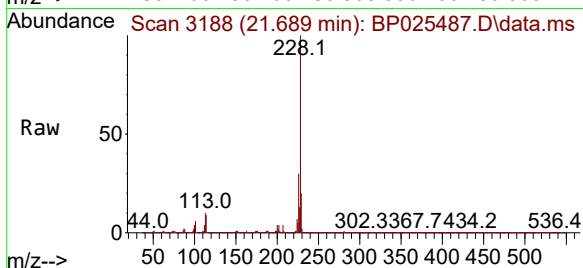
Tgt Ion:228 Resp: 2294146

Ion Ratio Lower Upper

228 100

226 29.9 23.2 34.8

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.071 ng

RT: 21.571 min Scan# 3168

Delta R.T. -0.012 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

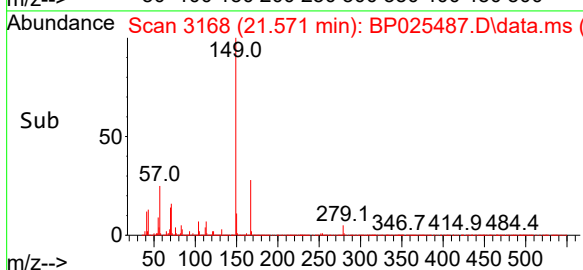
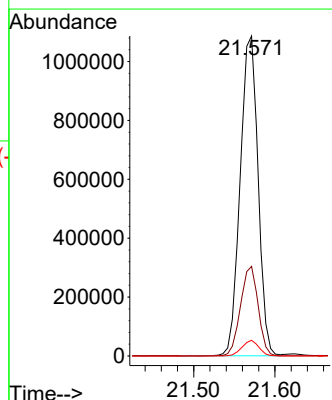
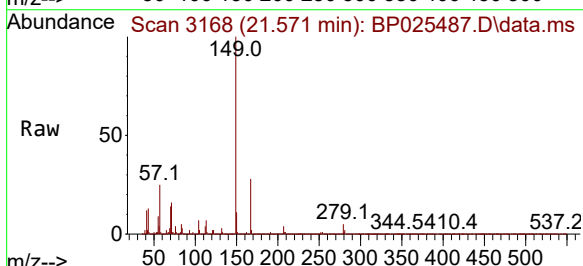
Tgt Ion:149 Resp: 1659835

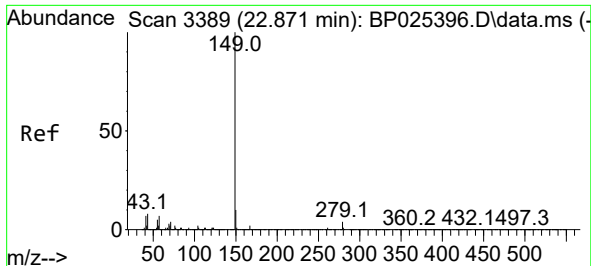
Ion Ratio Lower Upper

149 100

167 28.0 22.1 33.1

279 4.9 3.8 5.6

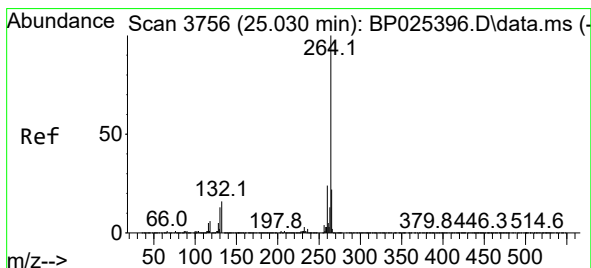
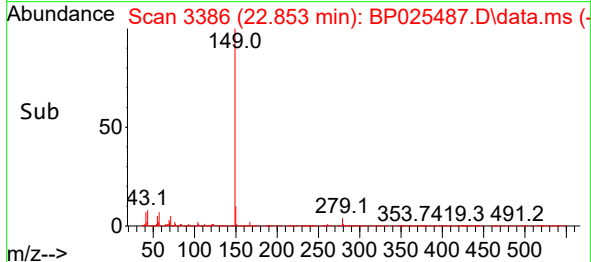
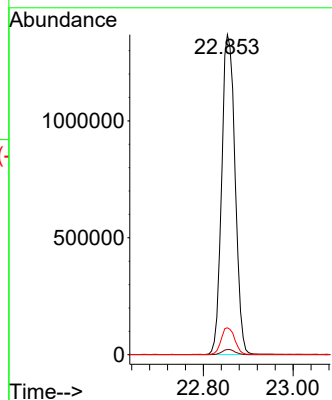
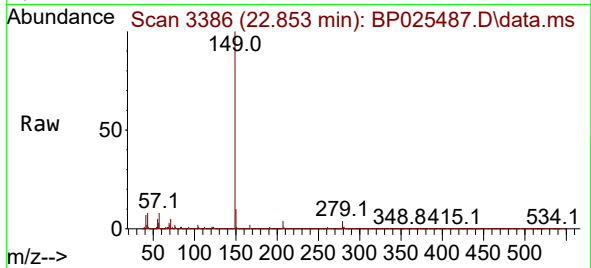




#85
Di-n-octyl phthalate
Concen: 40.906 ng
RT: 22.853 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

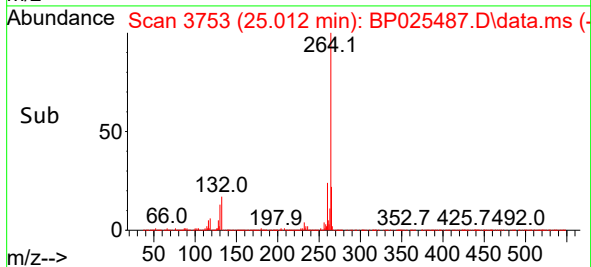
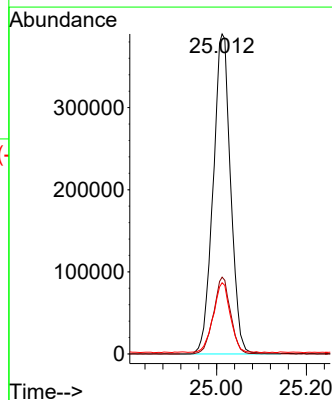
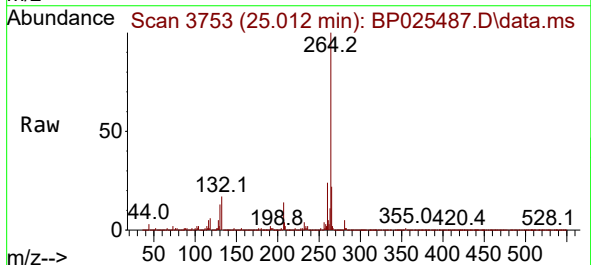
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

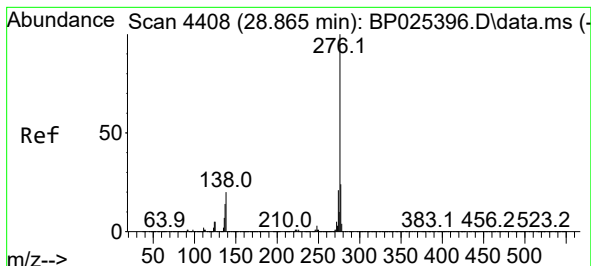
Tgt Ion:149 Resp: 2843533
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.5 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:264 Resp: 1054169
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 22.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.316 ng

RT: 28.841 min Scan# 4408

Delta R.T. -0.024 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

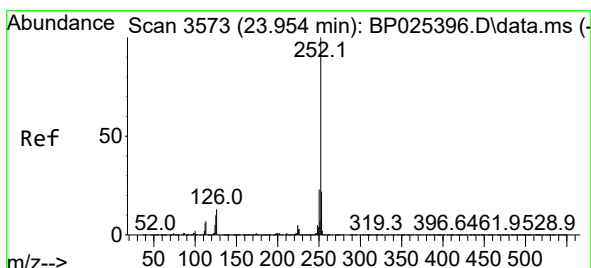
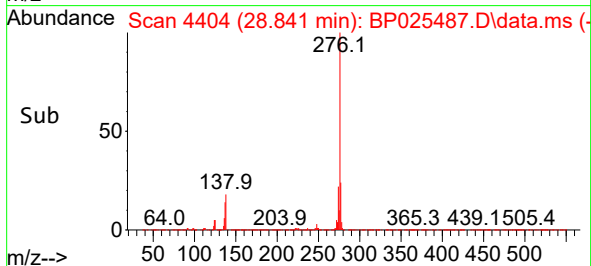
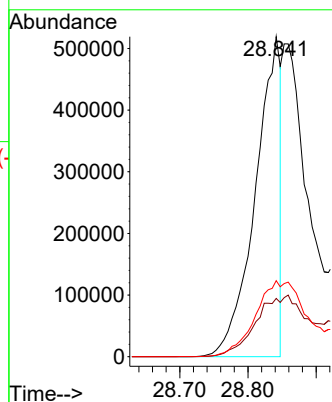
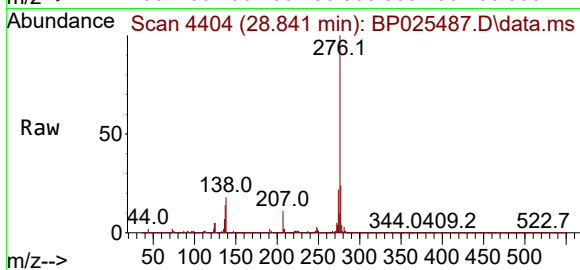
Tgt Ion:276 Resp: 1338699

Ion Ratio Lower Upper

276 100

138 38.7 12.9 19.3#

277 24.3 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 39.761 ng

RT: 23.953 min Scan# 3573

Delta R.T. -0.000 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

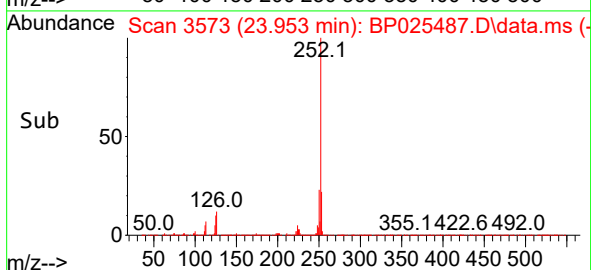
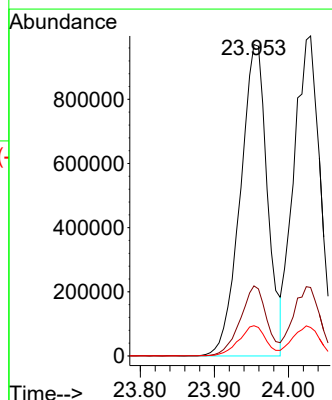
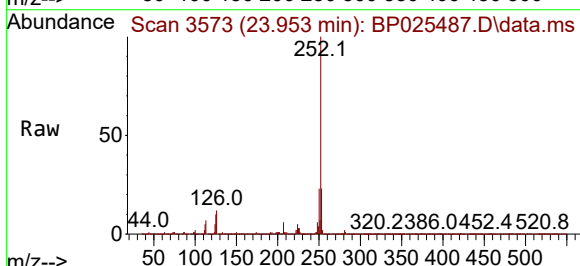
Tgt Ion:252 Resp: 2471608

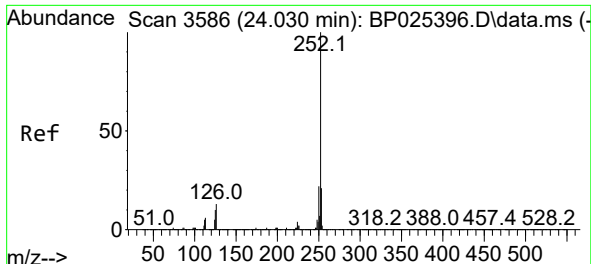
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 9.7 7.9 11.9

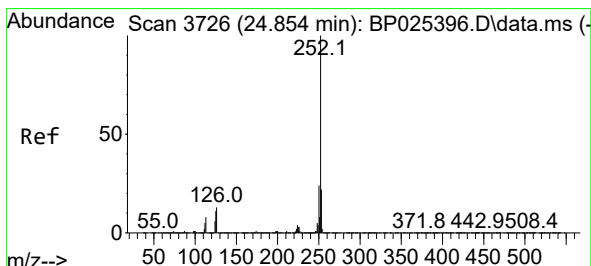
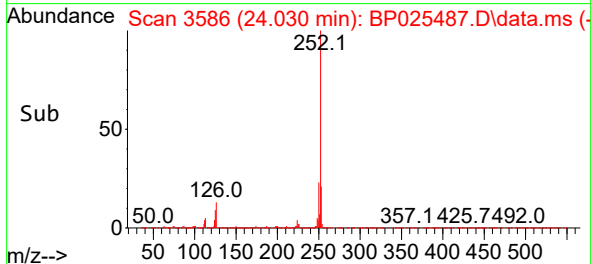
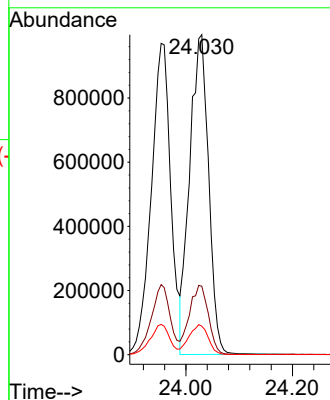
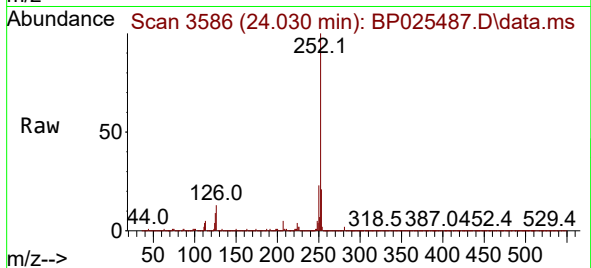




#89
Benzo(k)fluoranthene
Concen: 39.407 ng
RT: 24.030 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

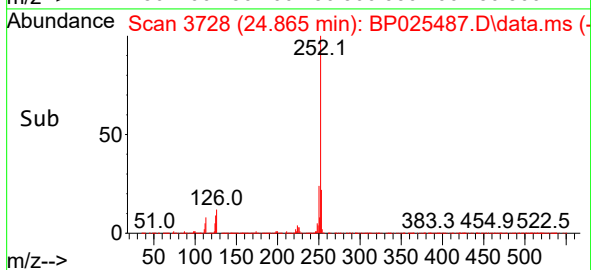
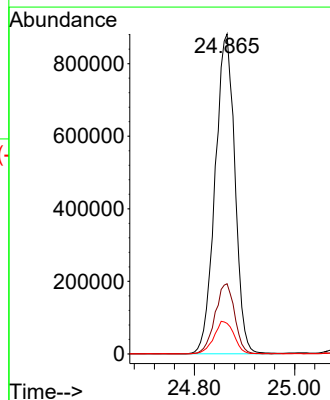
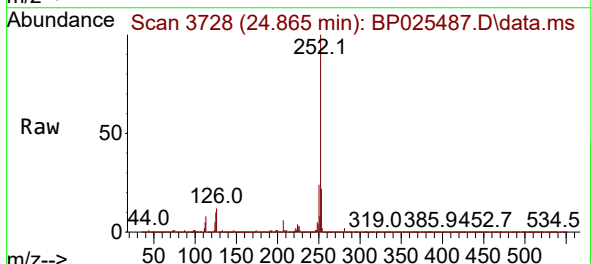
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

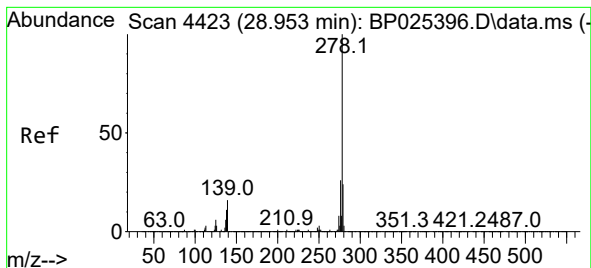
Tgt Ion:252 Resp: 2451237
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 8.9 7.8 11.6



#90
Benzo(a)pyrene
Concen: 39.773 ng
RT: 24.865 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:252 Resp: 2406620
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 39.366 ng

RT: 28.941 min Scan# 44

Delta R.T. -0.012 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

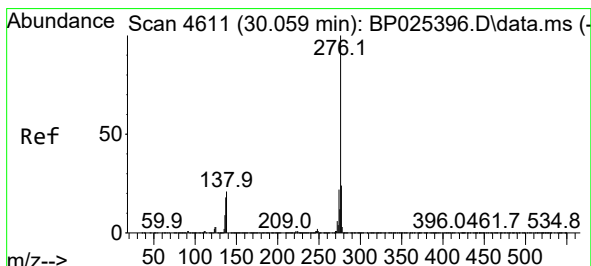
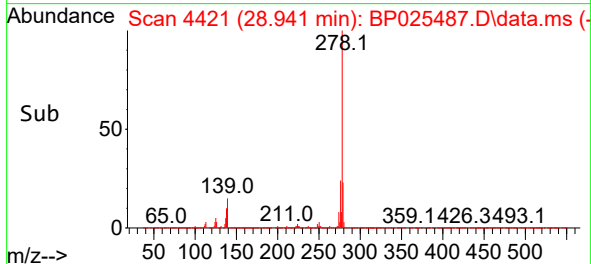
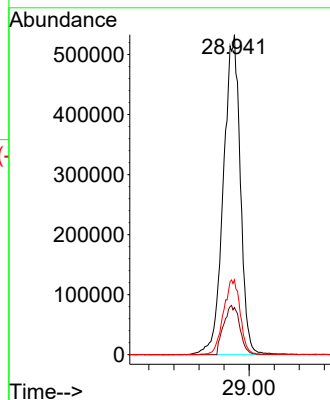
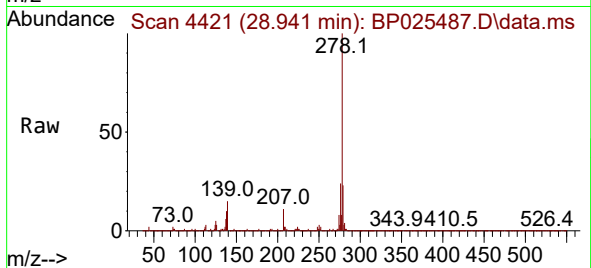
Tgt Ion:278 Resp: 2487038

Ion Ratio Lower Upper

278 100

139 14.8 13.0 19.4

279 23.4 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 39.026 ng

RT: 30.047 min Scan# 4609

Delta R.T. -0.012 min

Lab File: BP025487.D

Acq: 19 Aug 2025 23:46

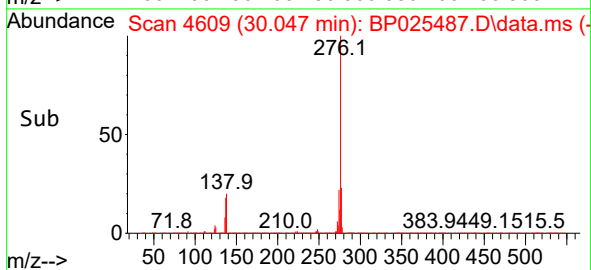
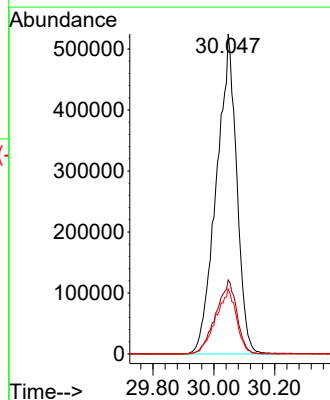
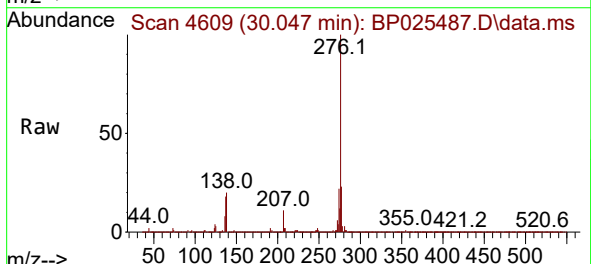
Tgt Ion:276 Resp: 2423566

Ion Ratio Lower Upper

276 100

277 23.2 19.4 29.0

138 20.3 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025502.D
 Acq On : 20 Aug 2025 10:41
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 20 11:50:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	147637	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	617928	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	400331	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	794586	20.000	ng	0.00
76) Chrysene-d12	21.648	240	859938	20.000	ng	0.00
86) Perylene-d12	25.018	264	959319	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	719851	80.973	ng	0.00
7) Phenol-d6	6.966	99	928207	81.437	ng	0.00
23) Nitrobenzene-d5	8.931	82	996684	81.592	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	434204	80.580	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2329621	79.531	ng	0.00
79) Terphenyl-d14	19.930	244	3655452	77.772	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	143916	41.329	ng	98
3) Pyridine	3.731	79	384461	40.337	ng	95
4) n-Nitrosodimethylamine	3.631	42	170424	43.372	ng	94
6) Aniline	7.119	93	617192	40.190	ng	97
8) 2-Chlorophenol	7.360	128	401335	40.005	ng	98
9) Benzaldehyde	6.937	77	190261	23.826	ng	96
10) Phenol	6.990	94	487981	40.802	ng	96
11) bis(2-Chloroethyl)ether	7.219	93	374074	40.129	ng	99
12) 1,3-Dichlorobenzene	7.678	146	441153	39.880	ng	96
13) 1,4-Dichlorobenzene	7.819	146	454745	40.220	ng	99
14) 1,2-Dichlorobenzene	8.137	146	437042	39.931	ng	98
15) Benzyl Alcohol	8.019	79	368154	40.652	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.313	45	520729	41.700	ng	98
17) 2-Methylphenol	8.225	107	336589	40.522	ng	100
18) Hexachloroethane	8.860	117	170458	41.003	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	303621	40.216	ng	97
20) 3+4-Methylphenols	8.549	107	458019	39.780	ng	97
22) Acetophenone	8.601	105	619709	39.991	ng	98
24) Nitrobenzene	8.972	77	440063	40.309	ng	98
25) Isophorone	9.496	82	864797	40.003	ng	100
26) 2-Nitrophenol	9.678	139	223032	39.808	ng	97
27) 2,4-Dimethylphenol	9.737	122	385100	39.968	ng	97
28) bis(2-Chloroethoxy)met...	9.966	93	515756	39.468	ng	98
29) 2,4-Dichlorophenol	10.207	162	387958	40.533	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	408012	38.887	ng	97
31) Naphthalene	10.607	128	1252509	38.998	ng	100
32) Benzoic acid	9.878	122	284166	39.948	ng	96
33) 4-Chloroaniline	10.713	127	561871	39.605	ng	99
34) Hexachlorobutadiene	10.895	225	261058	39.951	ng	96
35) Caprolactam	11.490	113	136092	38.776	ng	98
36) 4-Chloro-3-methylphenol	11.831	107	441463	40.195	ng	96
37) 2-Methylnaphthalene	12.219	142	809155	38.714	ng	99
38) 1-Methylnaphthalene	12.437	142	851212	38.296	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	469176	40.579	ng	99
41) Hexachlorocyclopentadiene	12.566	237	291550	41.746	ng	99
43) 2,4,6-Trichlorophenol	12.831	196	319303	40.907	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025502.D
 Acq On : 20 Aug 2025 10:41
 Operator : CG/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Aug 20 11:50:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

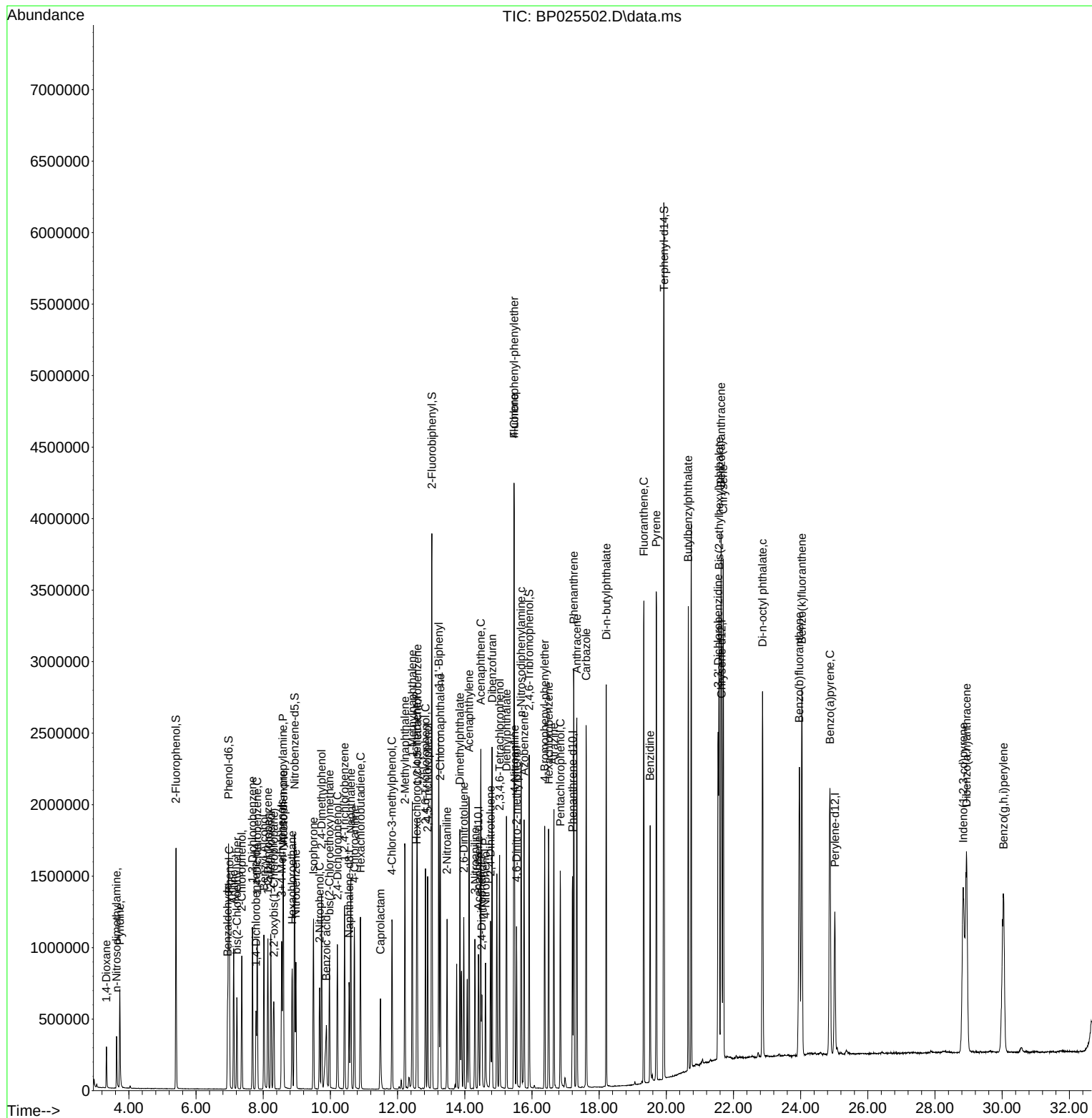
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	350964	41.026	ng	99
46) 1,1'-Biphenyl	13.225	154	1153599	39.678	ng	99
47) 2-Chloronaphthalene	13.272	162	900445	39.783	ng	98
48) 2-Nitroaniline	13.472	65	281785	42.727	ng	97
49) Acenaphthylene	14.125	152	1492877	39.860	ng	100
50) Dimethylphthalate	13.854	163	1165139	39.744	ng	99
51) 2,6-Dinitrotoluene	13.972	165	253787	41.073	ng	93
52) Acenaphthene	14.478	154	943497	42.917	ng	99
53) 3-Nitroaniline	14.301	138	285327	41.043	ng	97
54) 2,4-Dinitrophenol	14.507	184	142309	43.128	ng	97
55) Dibenzofuran	14.813	168	1363388	39.226	ng	98
56) 4-Nitrophenol	14.619	139	231578	40.538	ng	92
57) 2,4-Dinitrotoluene	14.766	165	365491	41.459	ng	96
58) Fluorene	15.466	166	1053490	38.412	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.036	232	306484	40.574	ng	98
60) Diethylphthalate	15.242	149	1206790	40.513	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	531056	38.934	ng	97
62) 4-Nitroaniline	15.483	138	288849	40.530	ng	93
63) Azobenzene	15.766	77	1076346	42.199	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	207617	41.917	ng	93
66) n-Nitrosodiphenylamine	15.678	169	973360	40.171	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	351898	40.268	ng	97
68) Hexachlorobenzene	16.495	284	404392	39.919	ng	98
69) Atrazine	16.654	200	364653	40.186	ng	100
70) Pentachlorophenol	16.842	266	271451	42.449	ng	96
71) Phenanthrene	17.242	178	1705125	39.064	ng	99
72) Anthracene	17.336	178	1754702	39.365	ng	99
73) Carbazole	17.613	167	1650038	39.300	ng	99
74) Di-n-butylphthalate	18.213	149	2085492	40.373	ng	100
75) Fluoranthene	19.330	202	2058062	39.528	ng	99
77) Benzidine	19.519	184	965340	32.893	ng	99
78) Pyrene	19.701	202	2123016	37.983	ng	100
80) Butylbenzylphthalate	20.654	149	1028893	40.617	ng	98
81) Benzo(a)anthracene	21.630	228	2219096	39.128	ng	99
82) 3,3'-Dichlorobenzidine	21.542	252	839996	39.295	ng	99
83) Chrysene	21.695	228	2094426	39.434	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1528918	41.001	ng	99
85) Di-n-octyl phthalate	22.865	149	2647644	41.280	ng	98
87) Indeno(1,2,3-cd)pyrene	28.842	276	2736984	38.904	ng	98
88) Benzo(b)fluoranthene	23.959	252	2250091	39.777	ng	99
89) Benzo(k)fluoranthene	24.036	252	2294595	40.536	ng	99
90) Benzo(a)pyrene	24.871	252	2174497	39.490	ng	100
91) Dibenzo(a,h)anthracene	28.936	278	2262080	39.346	ng	98
92) Benzo(g,h,i)perylene	30.042	276	2184778	38.659	ng	100

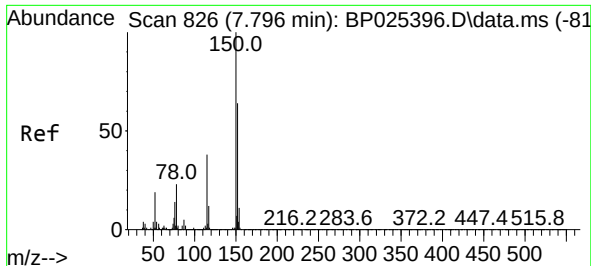
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

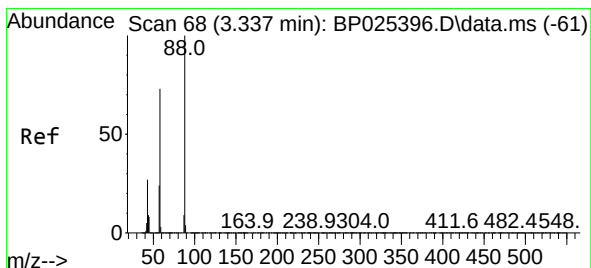
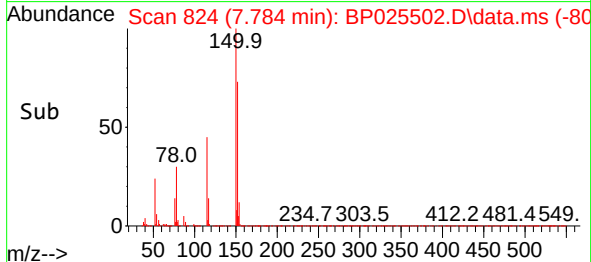
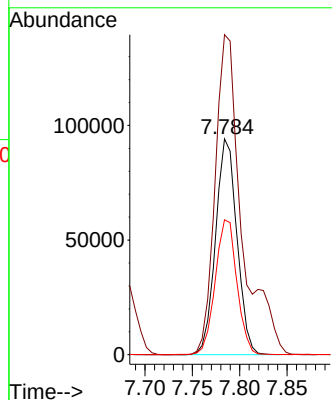
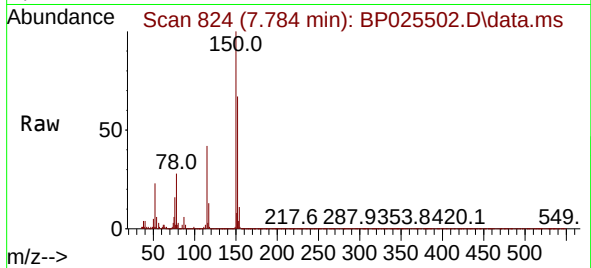




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

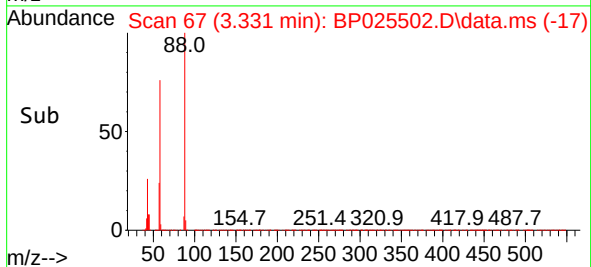
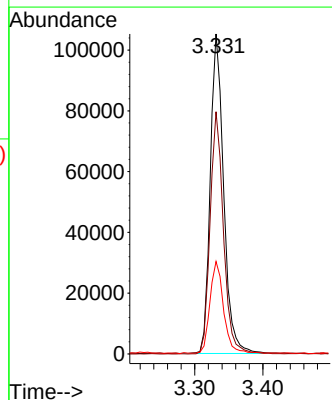
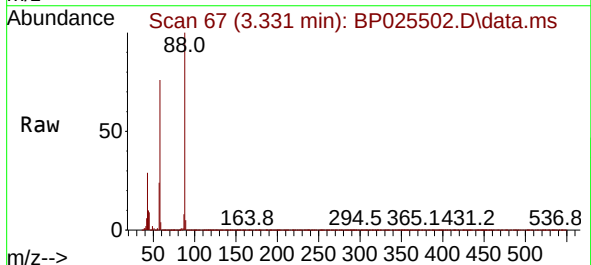
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

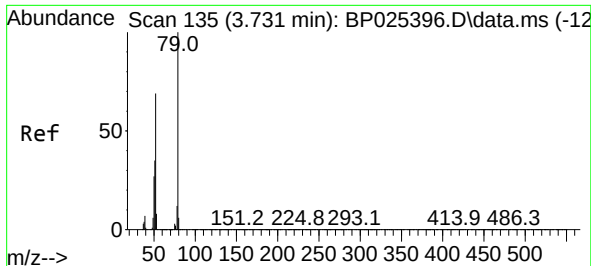
Tgt Ion:152 Resp: 147637
Ion Ratio Lower Upper
152 100
150 148.3 125.9 188.9
115 62.5 48.5 72.7



#2
1,4-Dioxane
Concen: 41.329 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 88 Resp: 143916
Ion Ratio Lower Upper
88 100
58 75.4 59.2 88.8
43 28.9 21.7 32.5

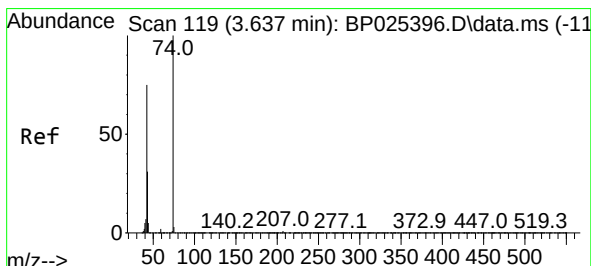
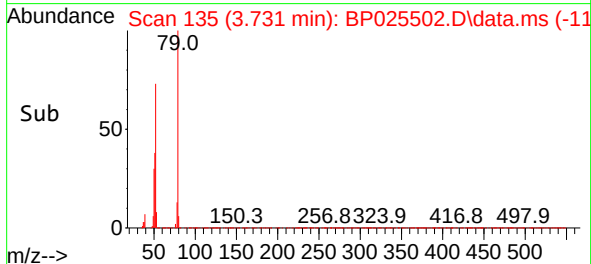
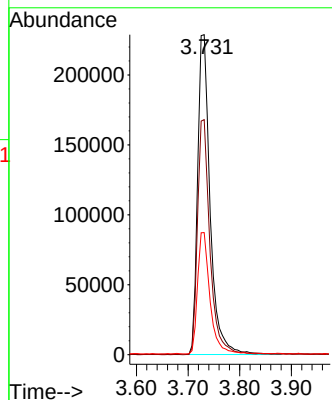
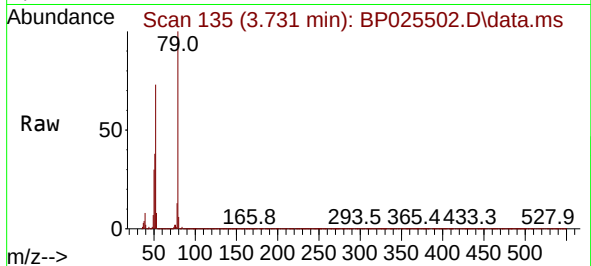




#3
Pyridine
Concen: 40.337 ng
RT: 3.731 min Scan# 118
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

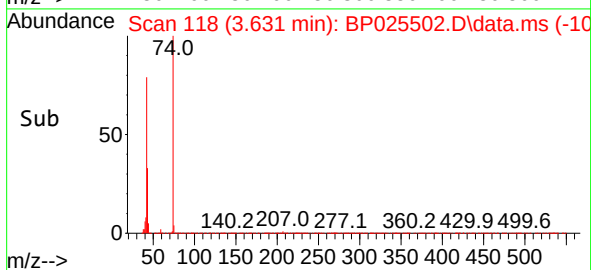
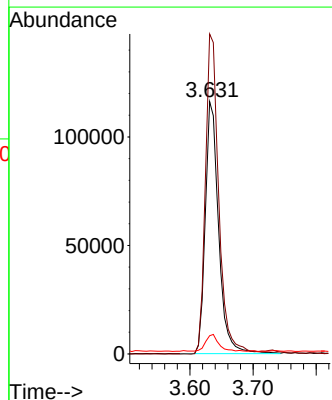
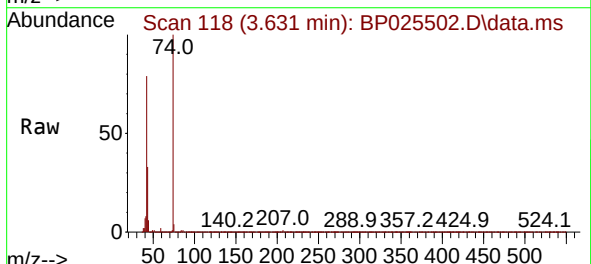
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

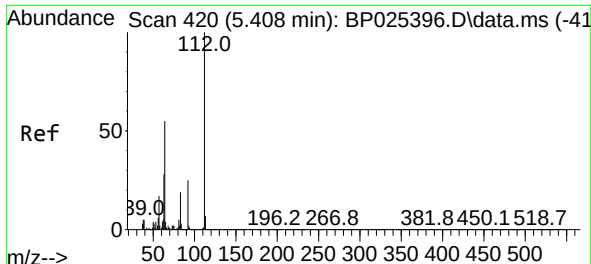
Tgt Ion: 79 Resp: 384461
Ion Ratio Lower Upper
79 100
52 73.4 55.5 83.3
51 38.2 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 43.372 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 42 Resp: 170424
Ion Ratio Lower Upper
42 100
74 126.8 107.0 160.4
44 7.2 6.2 9.4

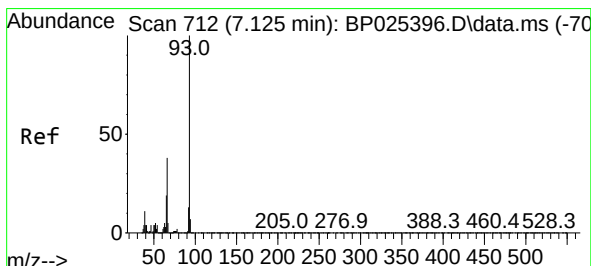
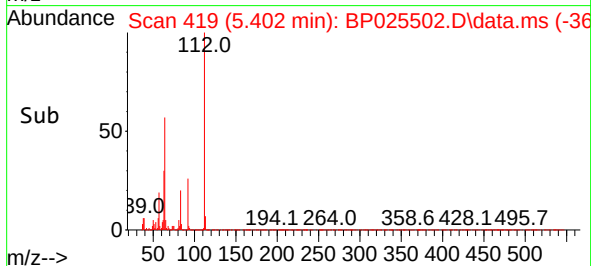
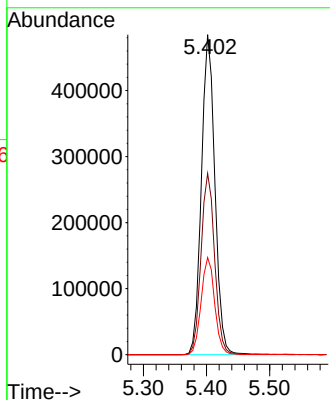
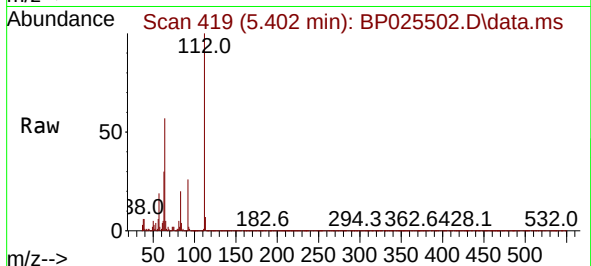




#5
2-Fluorophenol
Concen: 80.973 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

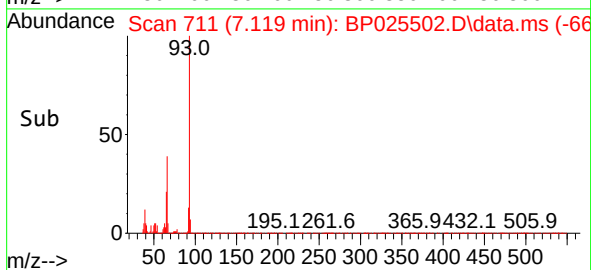
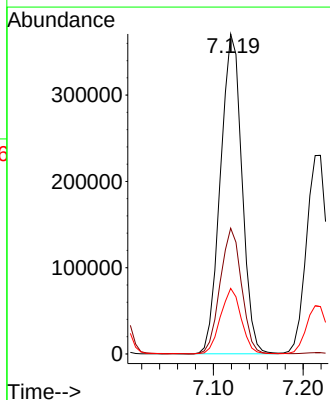
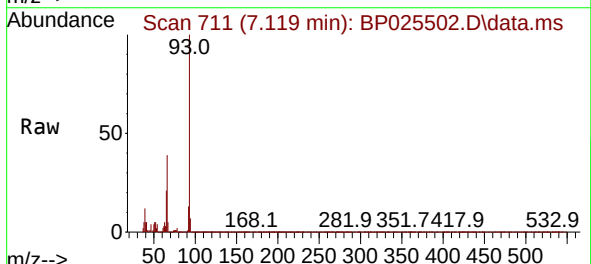
Instrument :
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ClientSampleId :
SSTDCCC040EC

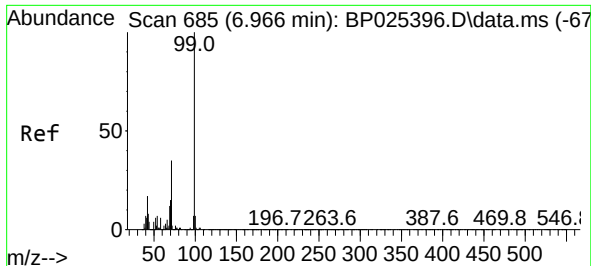
Tgt Ion:	112	Resp:	719851
Ion Ratio	Lower	Upper	
112	100		
64	56.6	43.8	65.8
63	30.4	22.7	34.1



#6
Aniline
Concen: 40.190 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:	93	Resp:	617192
Ion Ratio	Lower	Upper	
93	100		
66	39.3	30.4	45.6
65	20.5	15.3	22.9

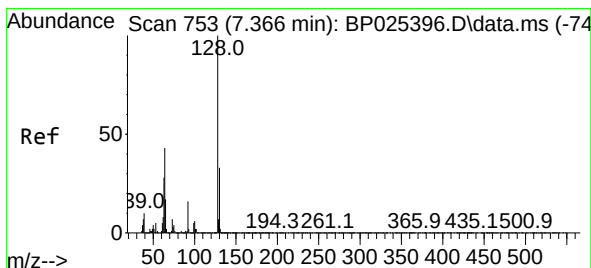
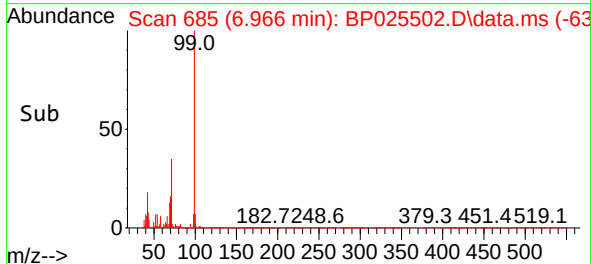
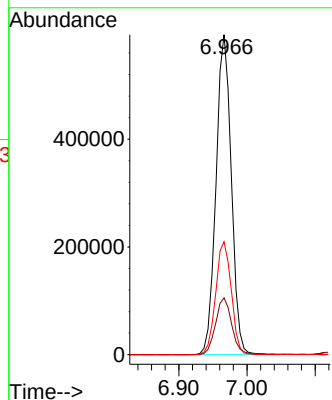
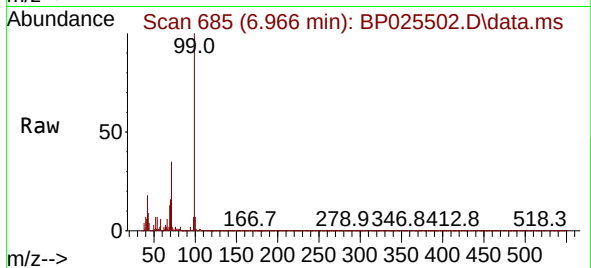




#7
Phenol-d6
Concen: 81.437 ng
RT: 6.966 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

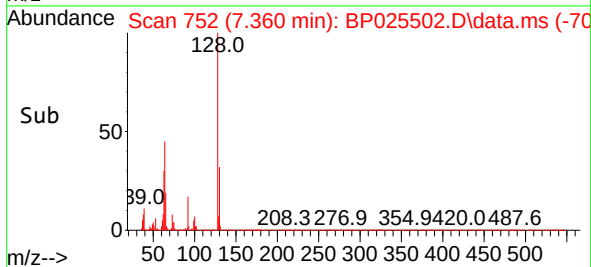
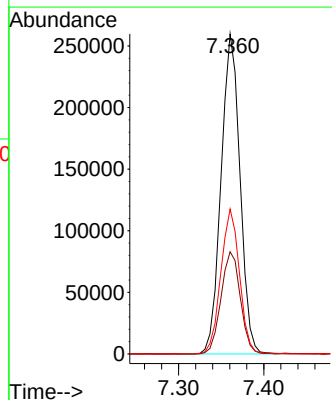
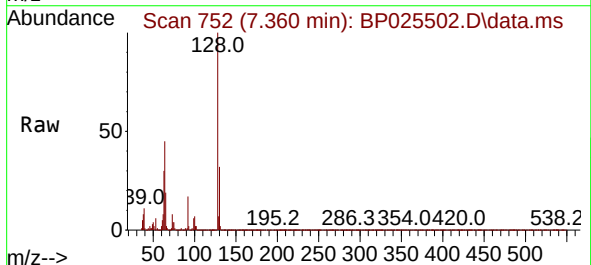
Instrument :
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ClientSampleId :
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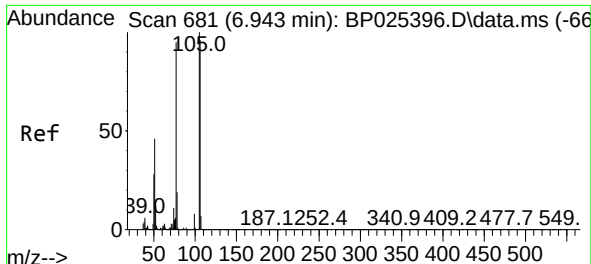
Tgt Ion: 99 Resp: 928207
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 35.3 28.2 42.4



#8
2-Chlorophenol
Concen: 40.005 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 128 Resp: 401335
Ion Ratio Lower Upper
128 100
130 32.0 12.6 52.6
64 45.3 23.4 63.4

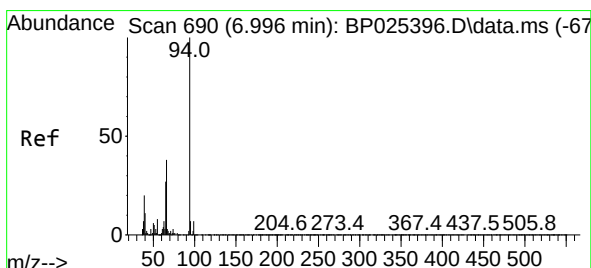
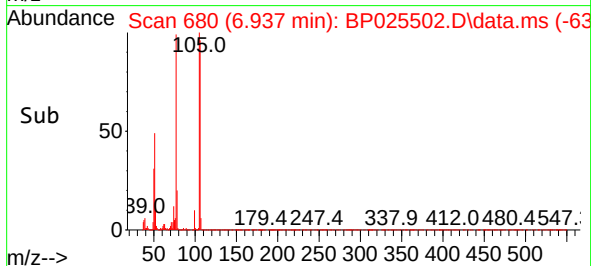
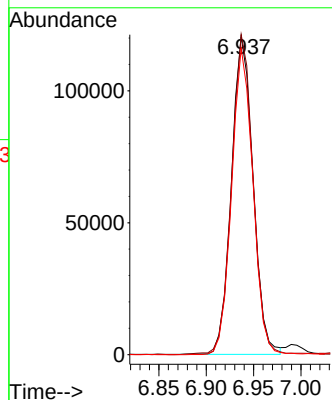
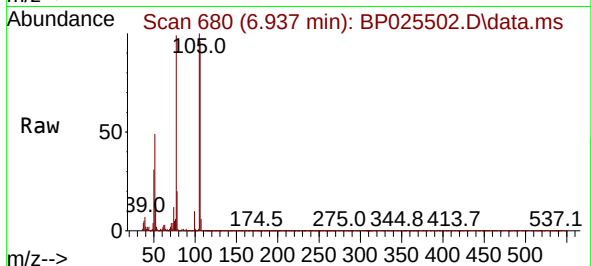




#9
Benzaldehyde
Concen: 23.826 ng
RT: 6.937 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

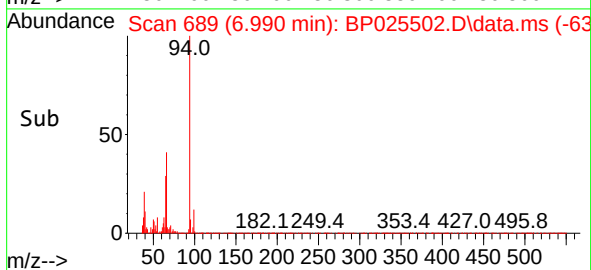
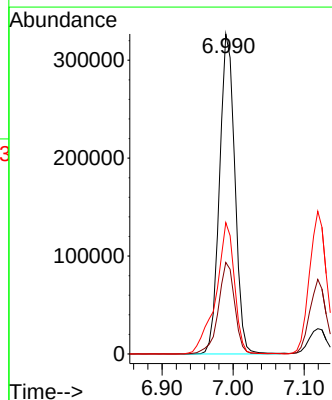
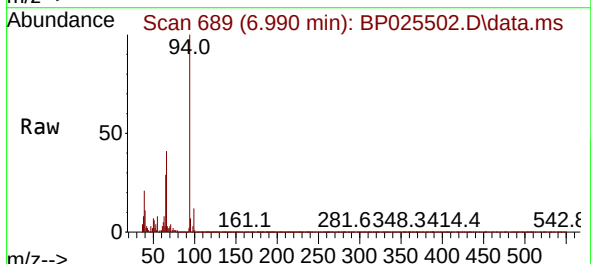
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

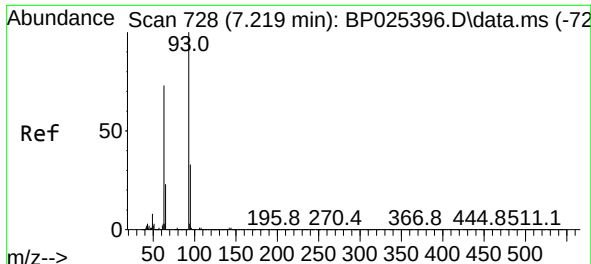
Tgt Ion: 77 Resp: 190261
Ion Ratio Lower Upper
77 100
105 100.6 84.8 124.8
106 96.4 80.5 120.5



#10
Phenol
Concen: 40.802 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 94 Resp: 487981
Ion Ratio Lower Upper
94 100
65 28.6 6.8 46.8
66 41.1 18.2 58.2

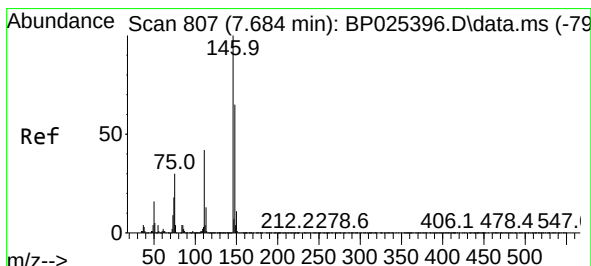
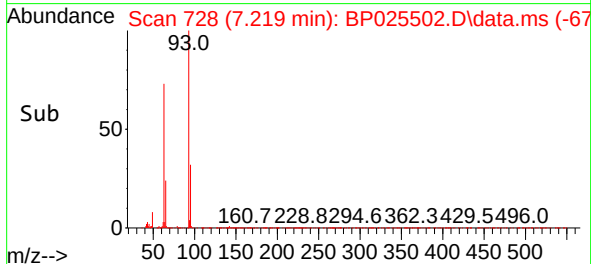
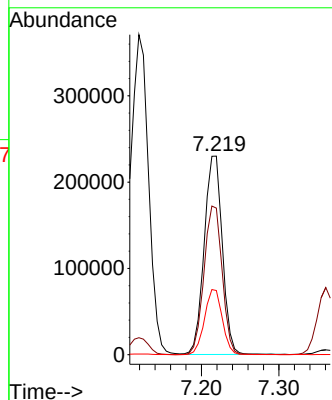
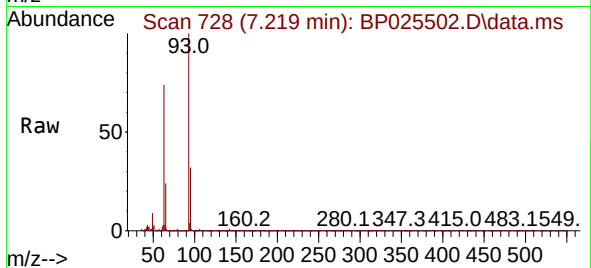




#11
bis(2-Chloroethyl)ether
Concen: 40.129 ng
RT: 7.219 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

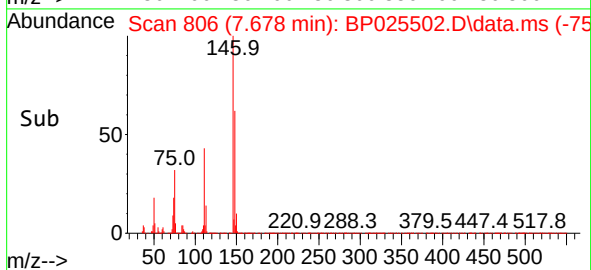
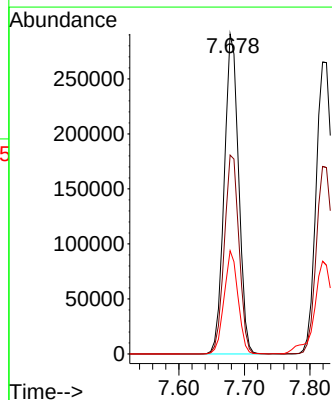
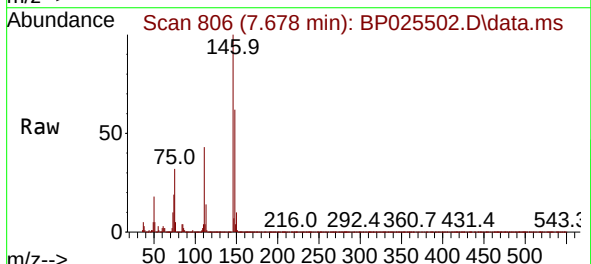
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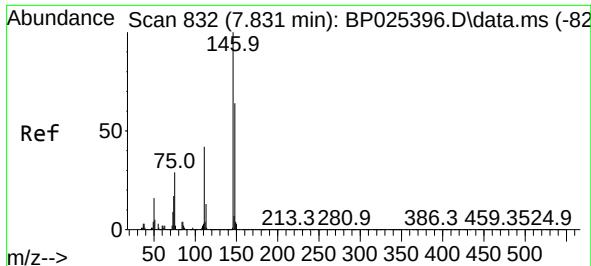
Tgt Ion: 93 Resp: 374074
Ion Ratio Lower Upper
93 100
63 73.8 52.6 92.6
95 32.3 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 39.880 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 146 Resp: 441153
Ion Ratio Lower Upper
146 100
148 62.1 51.9 77.9
75 32.3 23.7 35.5

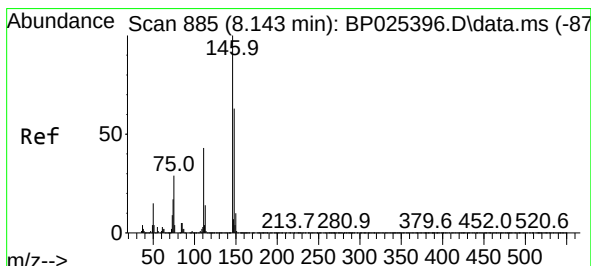
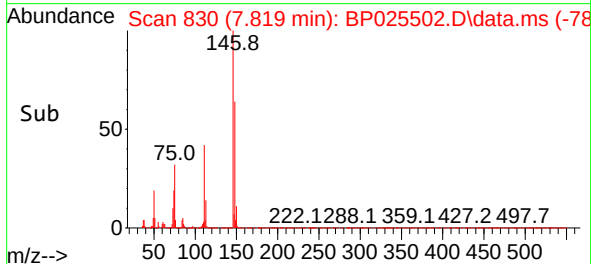
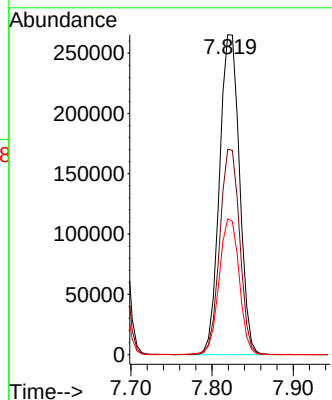
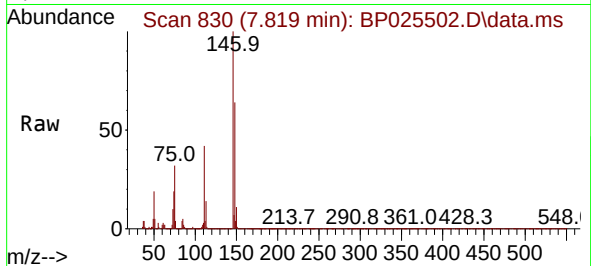




#13
1,4-Dichlorobenzene
Concen: 40.220 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

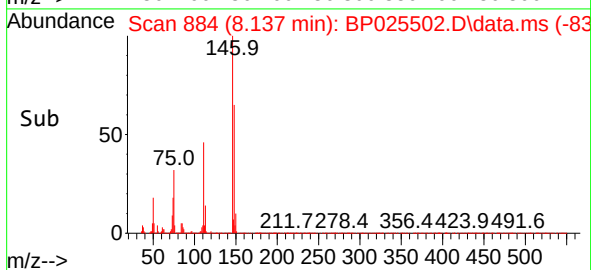
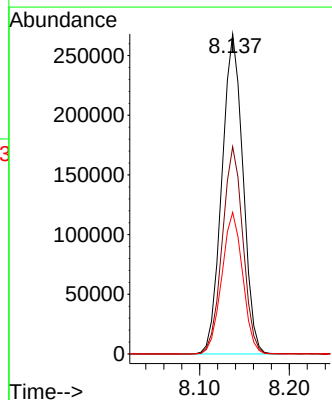
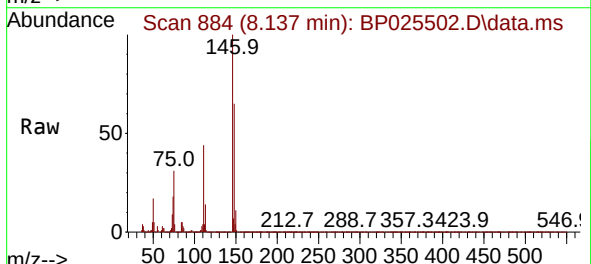
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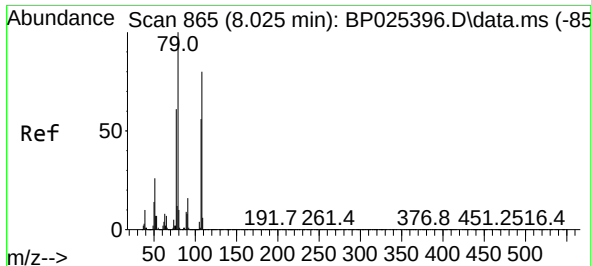
Tgt Ion:146 Resp: 454745
Ion Ratio Lower Upper
146 100
148 64.2 51.6 77.4
111 42.4 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 39.931 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:146 Resp: 437042
Ion Ratio Lower Upper
146 100
148 64.7 50.4 75.6
111 44.3 34.5 51.7

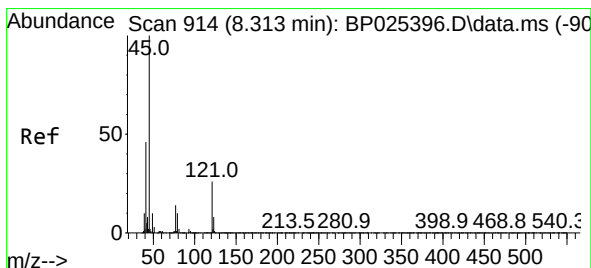
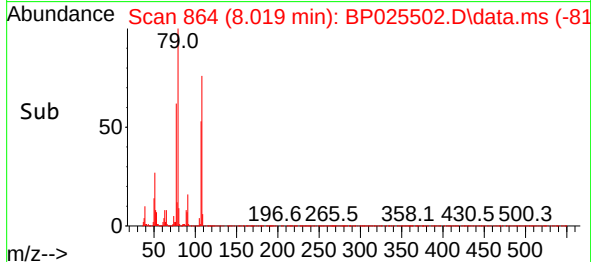
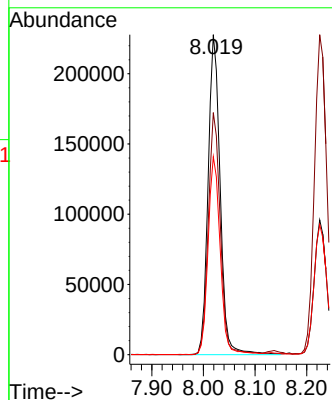
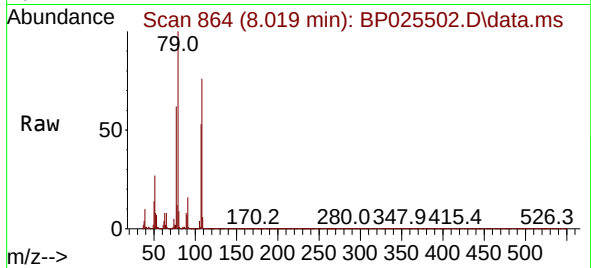




#15
Benzyl Alcohol
Concen: 40.652 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

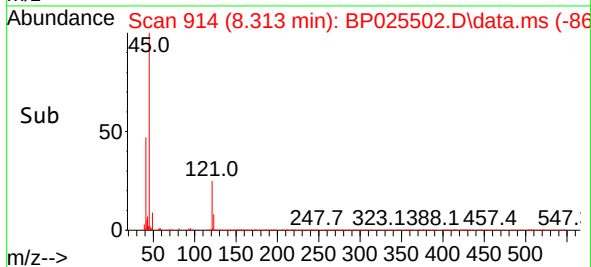
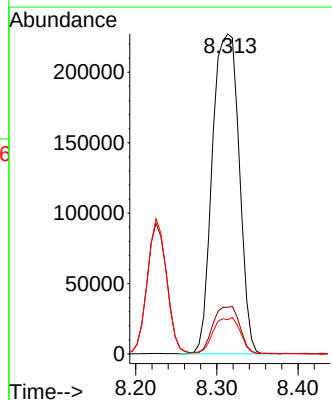
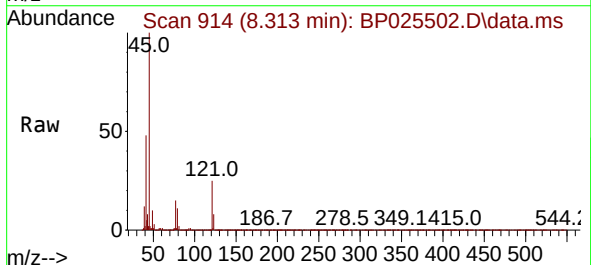
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

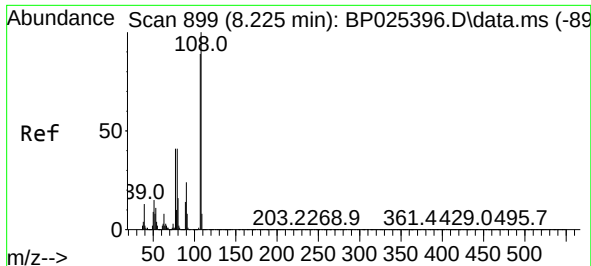
Tgt Ion: 79 Resp: 368154
Ion Ratio Lower Upper
79 100
108 75.7 63.8 95.6
77 61.9 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.700 ng
RT: 8.313 min Scan# 914
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 45 Resp: 520729
Ion Ratio Lower Upper
45 100
77 14.6 0.0 35.3
79 10.7 0.0 31.8

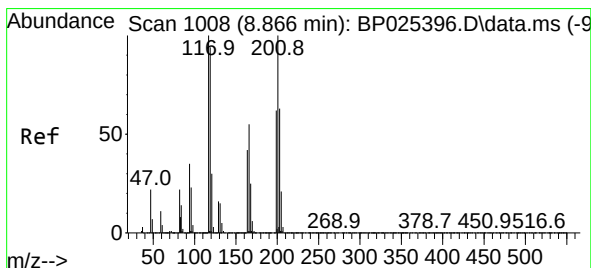
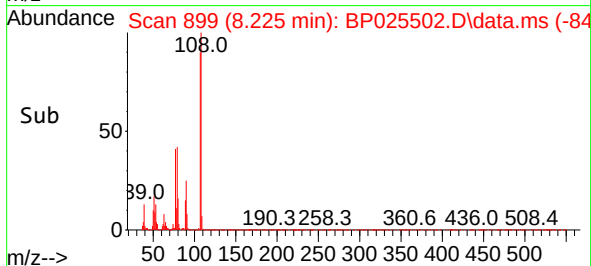
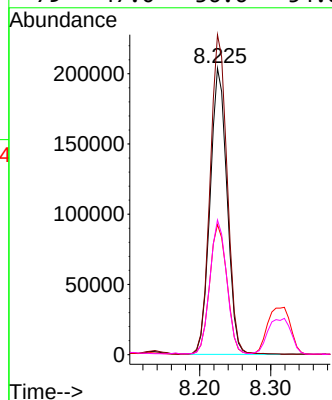
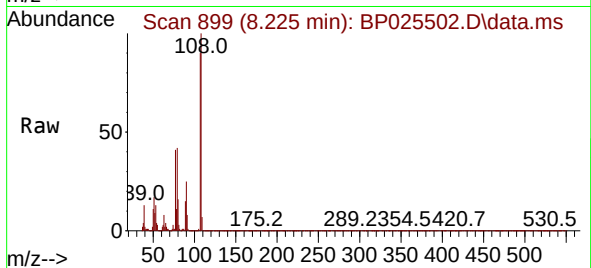




#17
2-Methylphenol
Concen: 40.522 ng
RT: 8.225 min Scan# 899
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

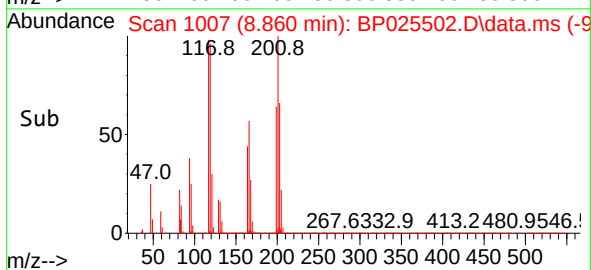
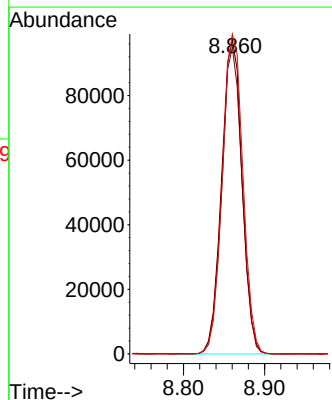
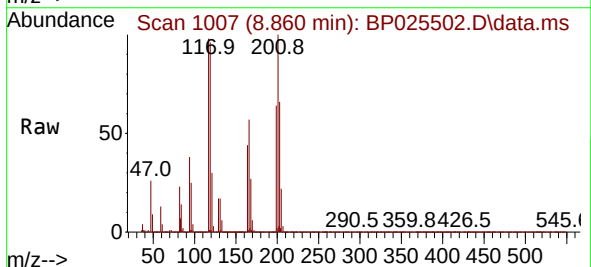
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

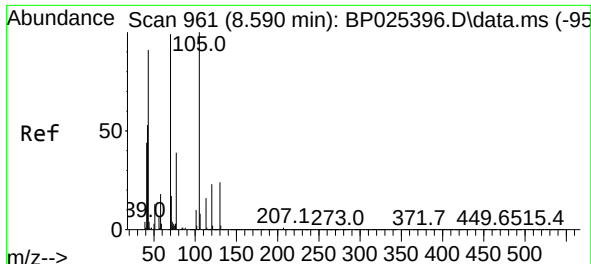
Tgt Ion:	107	Resp:	336589
Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.4	134.0
77	45.4	36.3	54.5
79	47.0	36.6	54.8



#18
Hexachloroethane
Concen: 41.003 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:	117	Resp:	170458
Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.1	112.7
201	101.9	80.1	120.1



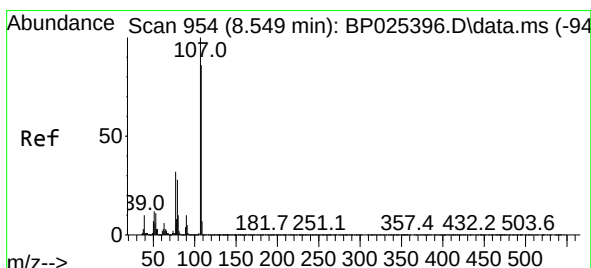
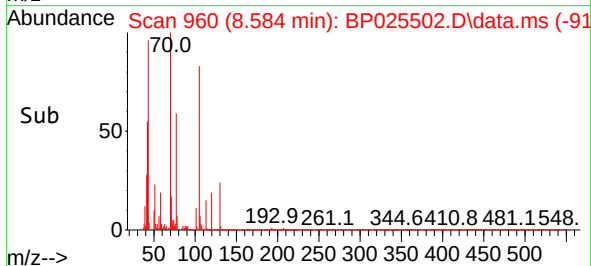
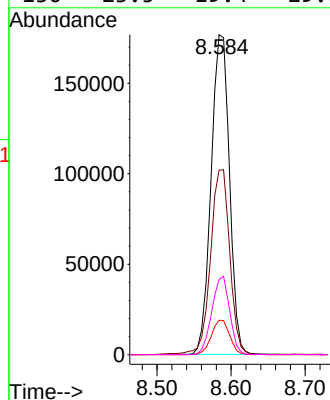
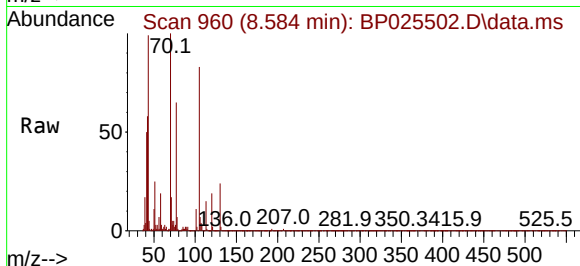


#19
n-Nitroso-di-n-propylamine
Concen: 40.216 ng
RT: 8.584 min Scan# 90
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 303621

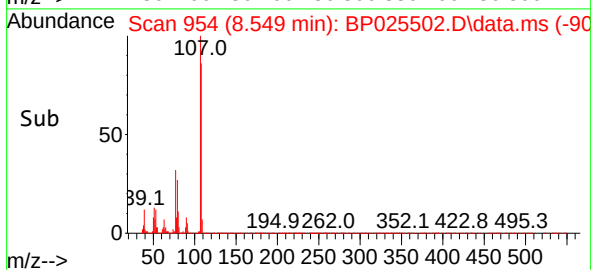
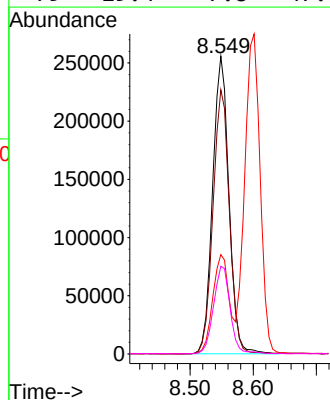
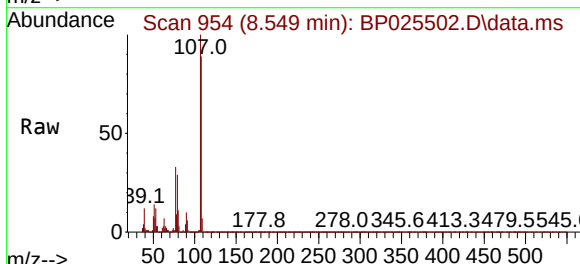
Ion	Ratio	Lower	Upper
70	100		
42	57.6	43.8	65.6
101	10.7	8.5	12.7
130	23.5	19.4	29.0

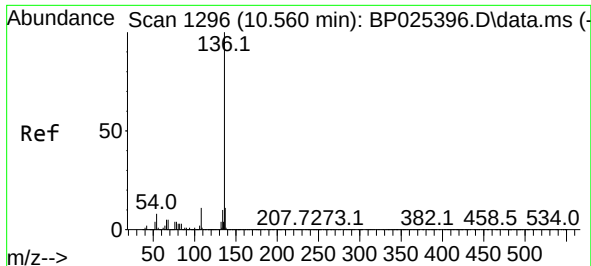


#20
3+4-Methylphenols
Concen: 39.780 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 107 Resp: 458019

Ion	Ratio	Lower	Upper
107	100		
108	88.7	66.3	106.3
77	33.3	12.3	52.3
79	29.4	7.8	47.8

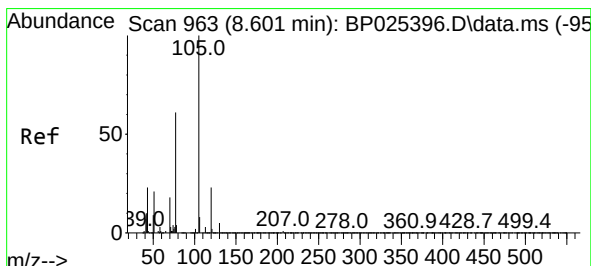
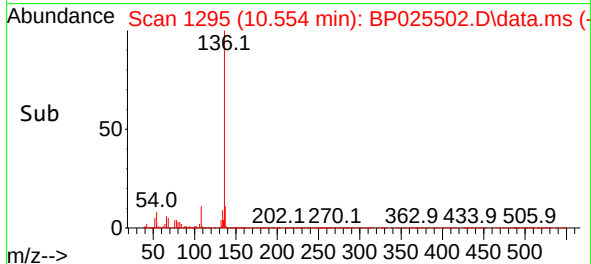
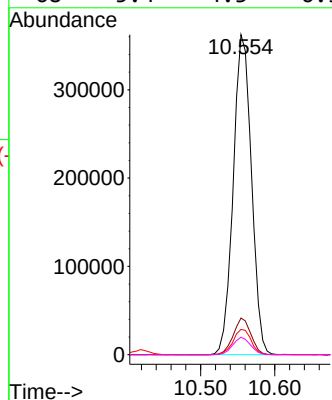
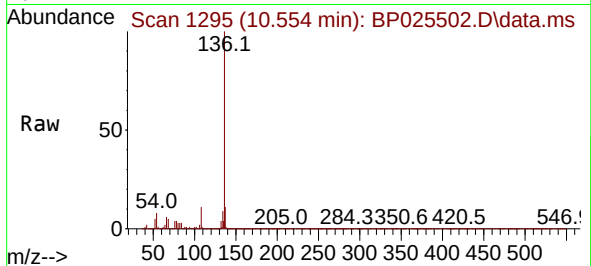




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

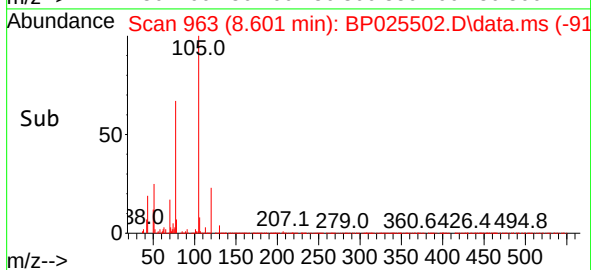
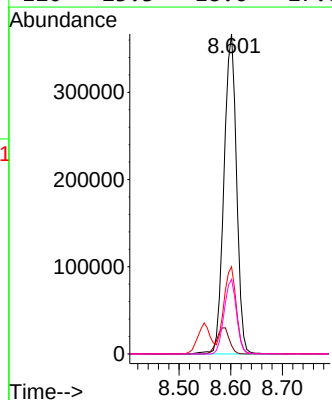
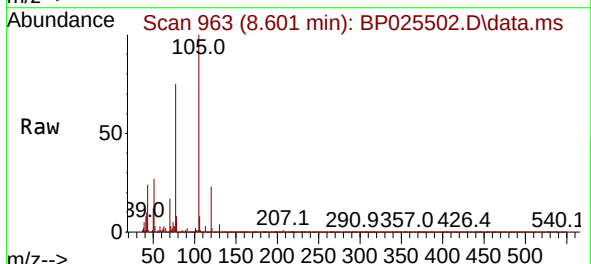
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

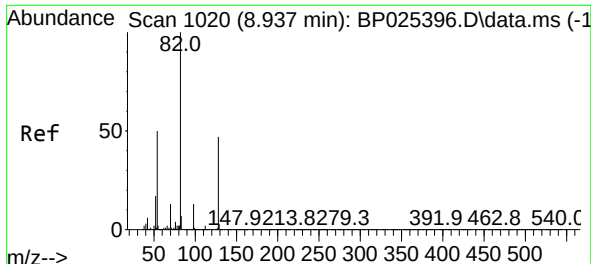
Tgt Ion:	136	Resp:	617928
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.9	6.0	9.0
68	5.4	4.3	6.5



#22
Acetophenone
Concen: 39.991 ng
RT: 8.601 min Scan# 963
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:	105	Resp:	619709
Ion	Ratio	Lower	Upper
105	100		
71	2.7	2.6	4.0
51	27.2	20.6	30.8
120	23.3	18.6	27.8

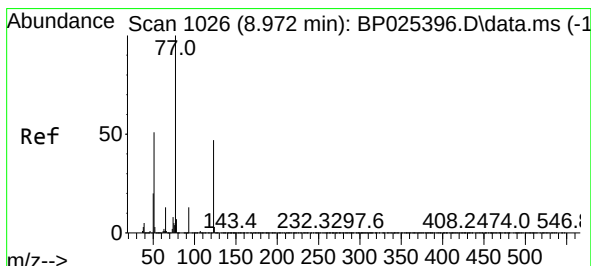
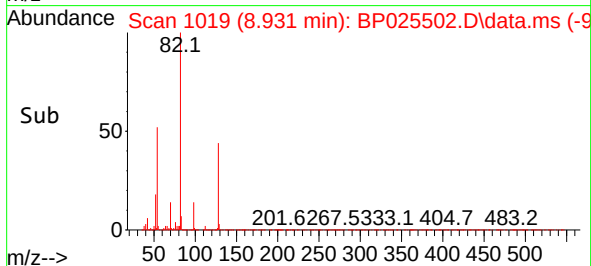
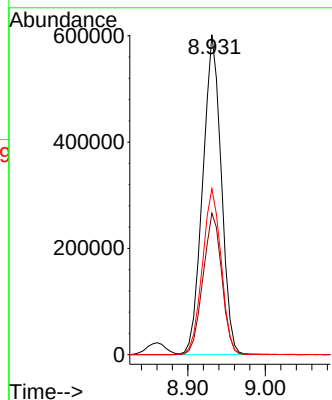
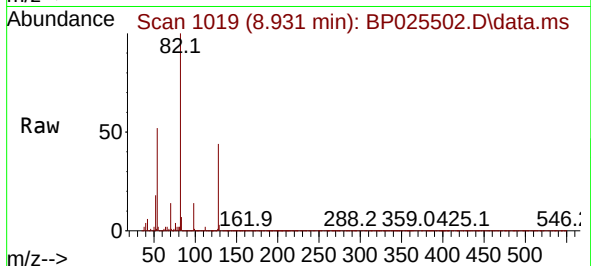




#23
Nitrobenzene-d5
Concen: 81.592 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

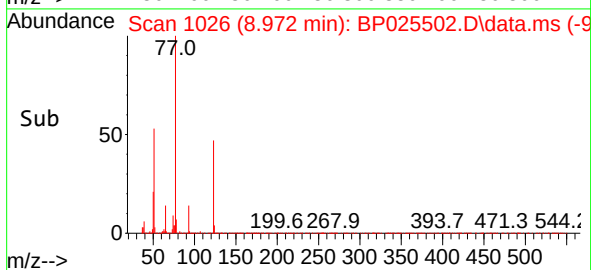
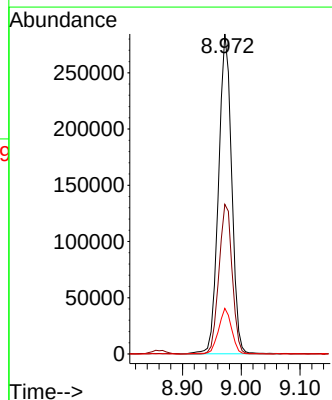
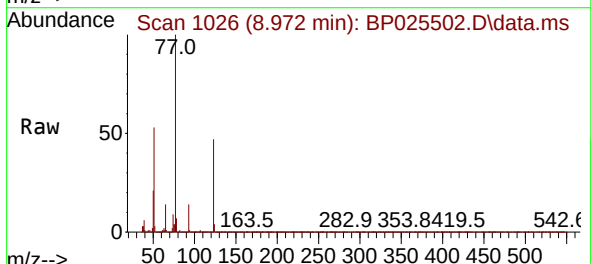
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

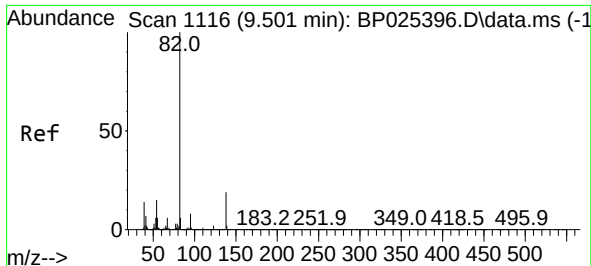
Tgt Ion: 82 Resp: 996684
Ion Ratio Lower Upper
82 100
128 44.2 37.7 56.5
54 51.9 39.8 59.6



#24
Nitrobenzene
Concen: 40.309 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 77 Resp: 440063
Ion Ratio Lower Upper
77 100
123 46.8 38.6 58.0
65 14.2 10.6 15.8

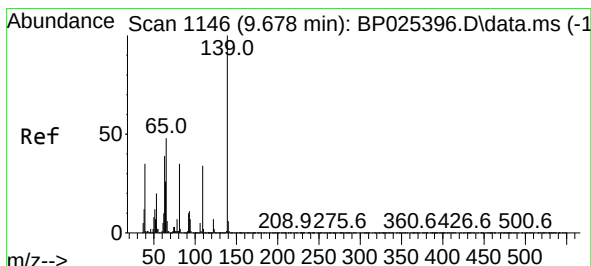
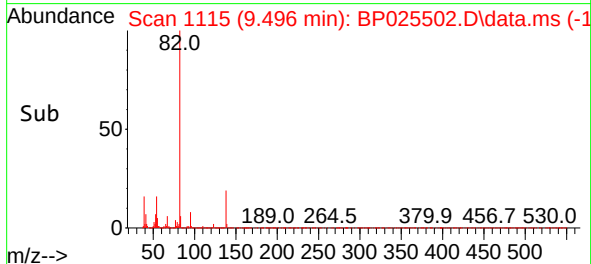
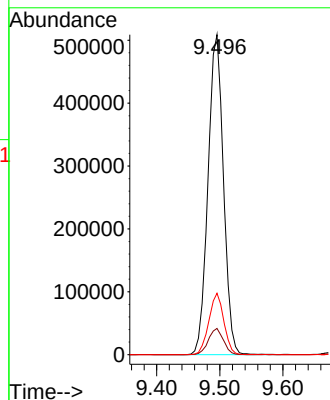
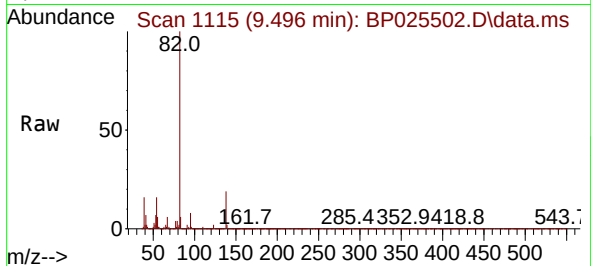




#25
Isophorone
Concen: 40.003 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

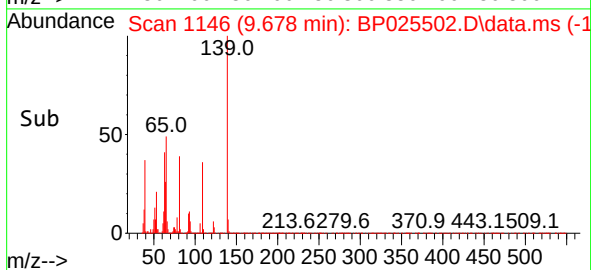
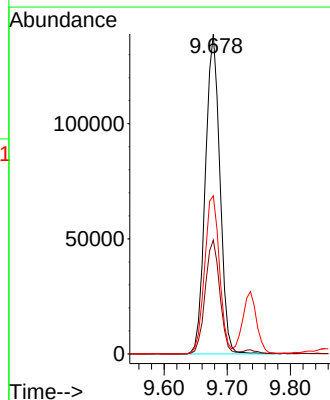
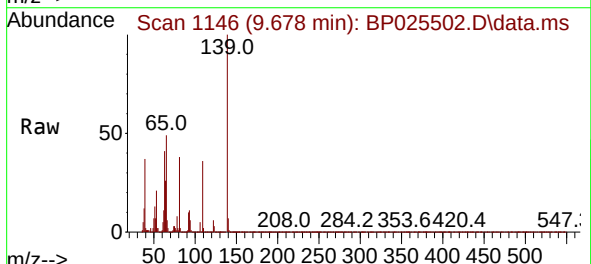
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

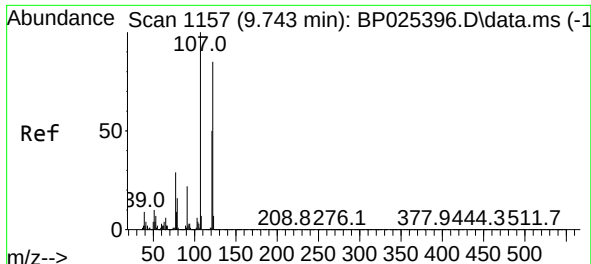
Tgt Ion: 82 Resp: 864797
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 19.2 15.4 23.0



#26
2-Nitrophenol
Concen: 39.808 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 139 Resp: 223032
Ion Ratio Lower Upper
139 100
109 35.6 26.9 40.3
65 49.4 38.3 57.5

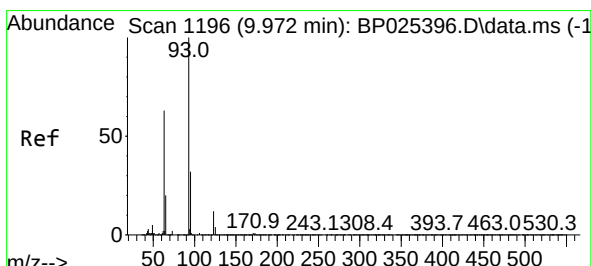
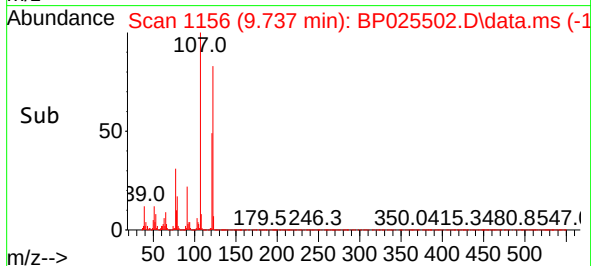
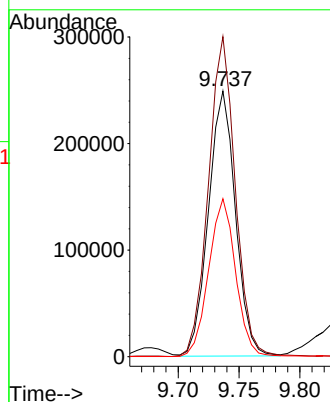
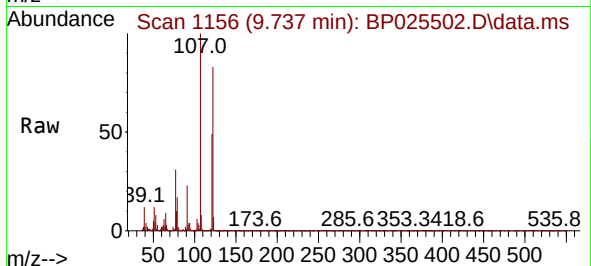




#27
2,4-Dimethylphenol
Concen: 39.968 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

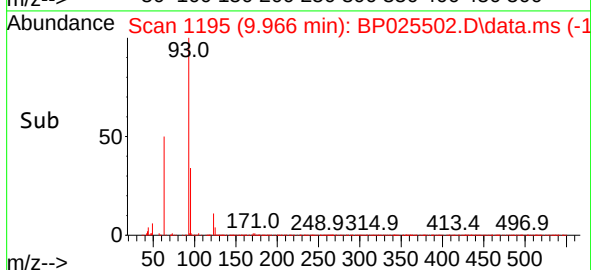
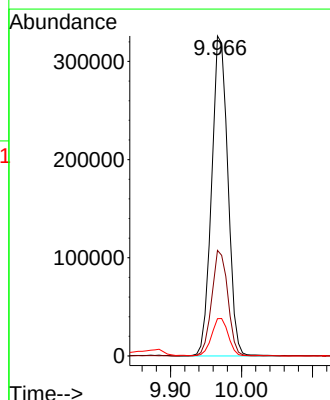
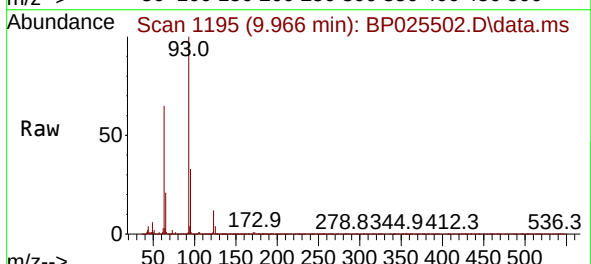
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

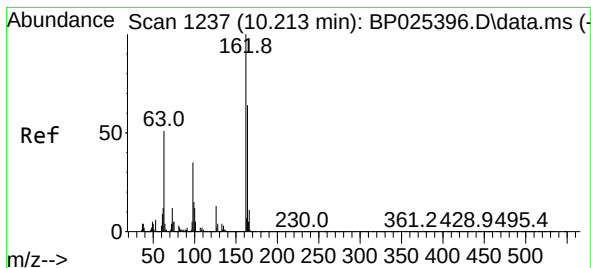
Tgt Ion:122 Resp: 385100
Ion Ratio Lower Upper
122 100
107 120.5 93.7 140.5
121 59.5 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 39.468 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 93 Resp: 515756
Ion Ratio Lower Upper
93 100
95 33.0 25.4 38.0
123 11.7 9.4 14.0

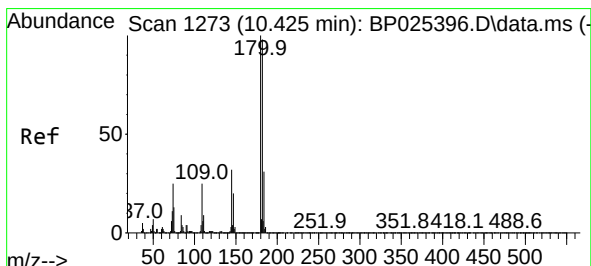
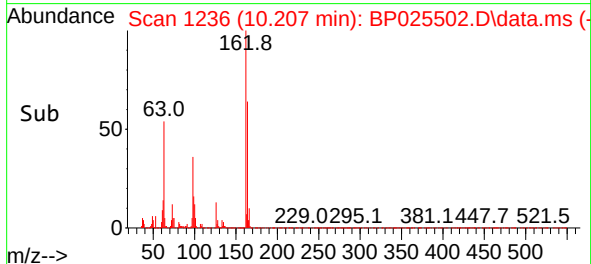
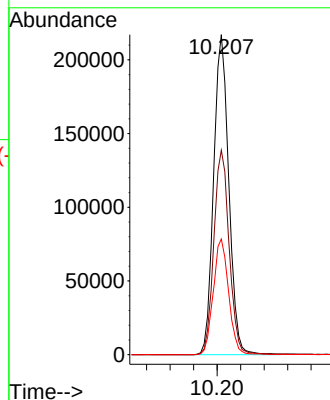
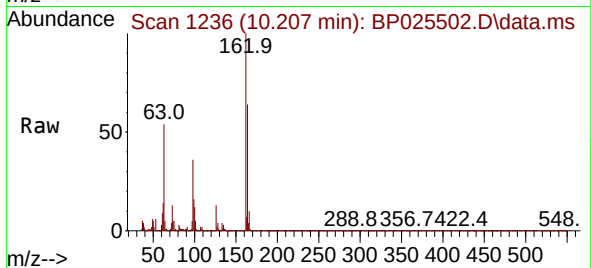




#29
2,4-Dichlorophenol
Concen: 40.533 ng
RT: 10.207 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

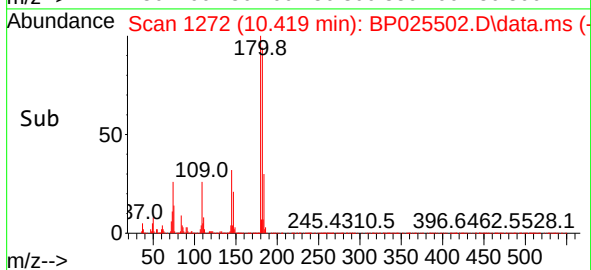
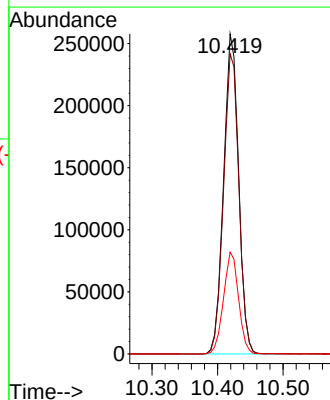
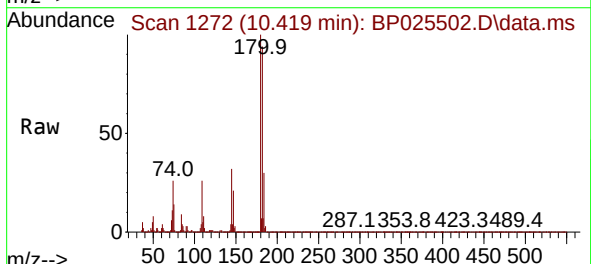
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

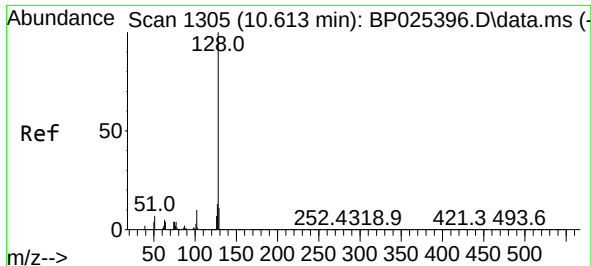
Tgt Ion:162 Resp: 387958
Ion Ratio Lower Upper
162 100
164 63.9 44.4 84.4
98 36.2 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 38.887 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:180 Resp: 408012
Ion Ratio Lower Upper
180 100
182 93.8 78.0 117.0
145 31.8 25.9 38.9

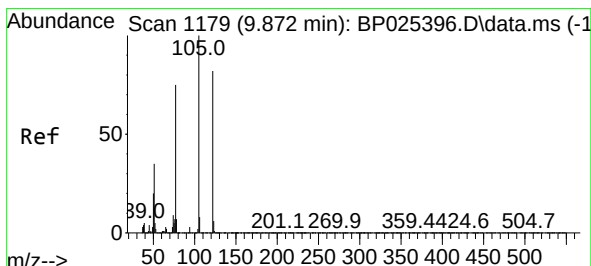
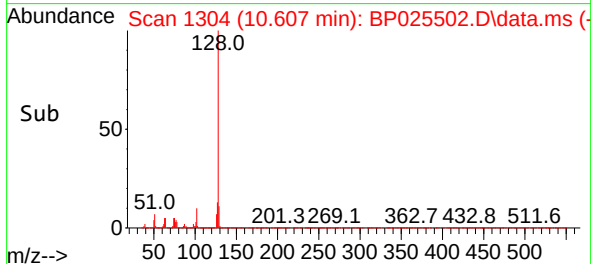
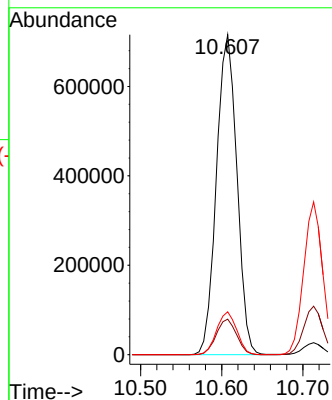
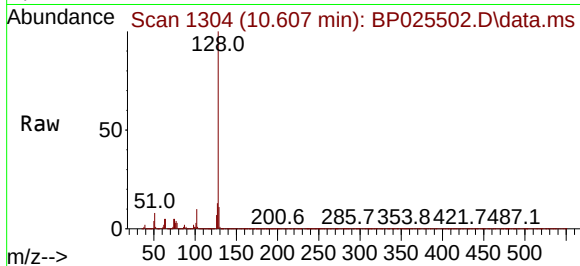




#31
Naphthalene
Concen: 38.998 ng
RT: 10.607 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

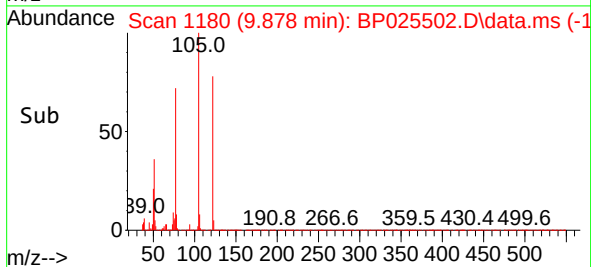
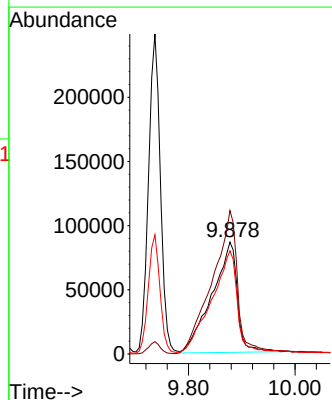
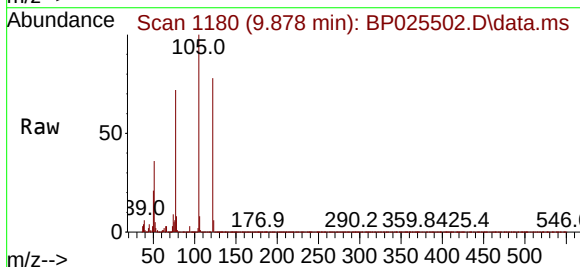
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

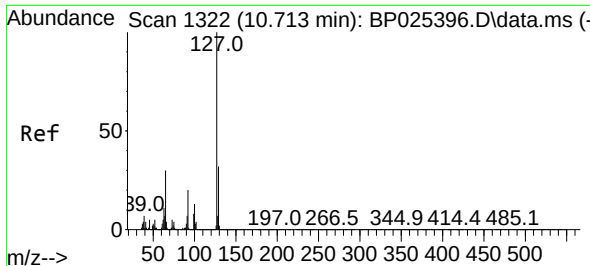
Tgt Ion:128 Resp: 1252509
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 39.948 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:122 Resp: 284166
Ion Ratio Lower Upper
122 100
105 128.1 100.6 140.6
77 92.2 71.5 111.5

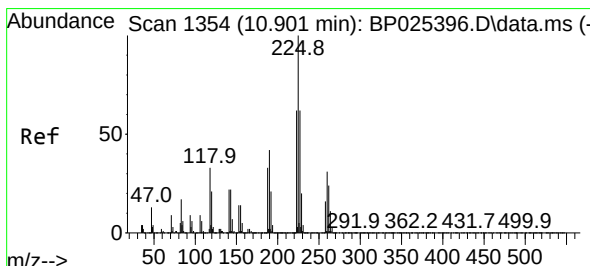
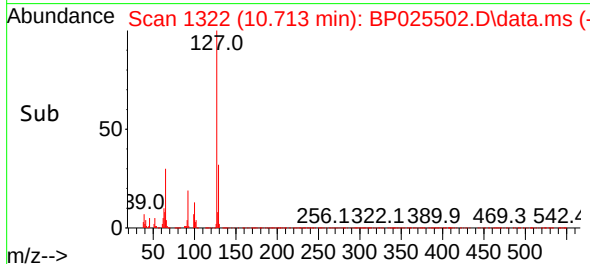
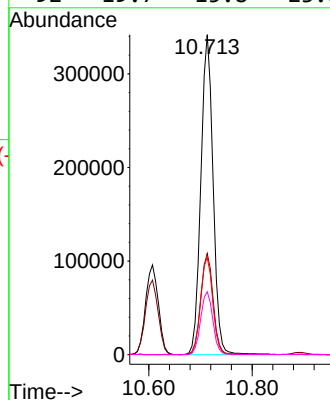
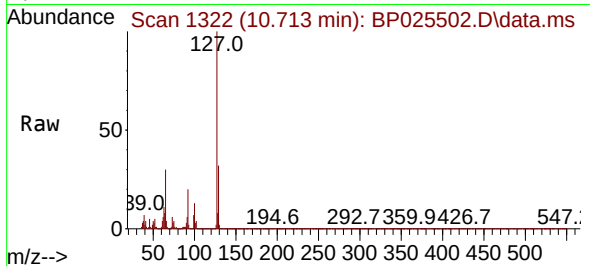




#33
4-Chloroaniline
Concen: 39.605 ng
RT: 10.713 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

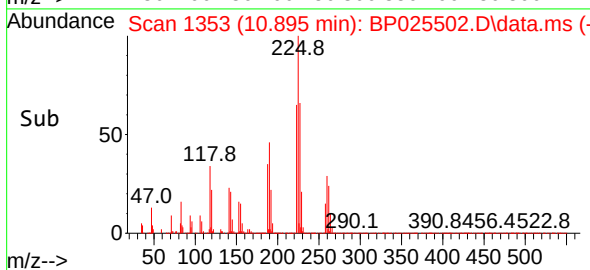
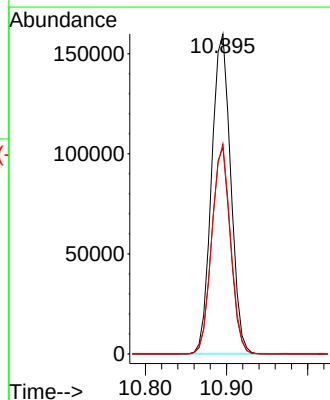
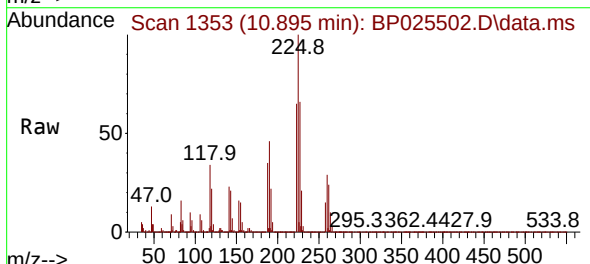
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

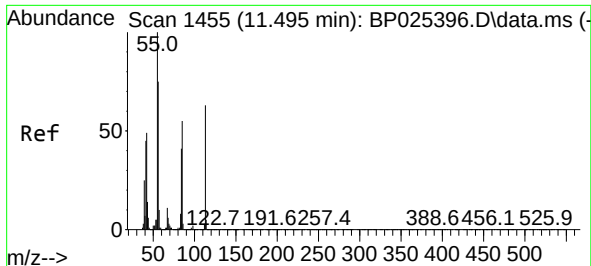
Tgt Ion:	127	Resp:	561871
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	30.3	23.8	35.6
92	19.7	15.8	23.8



#34
Hexachlorobutadiene
Concen: 39.951 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:	225	Resp:	261058
Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.0	75.0
227	65.7	49.7	74.5

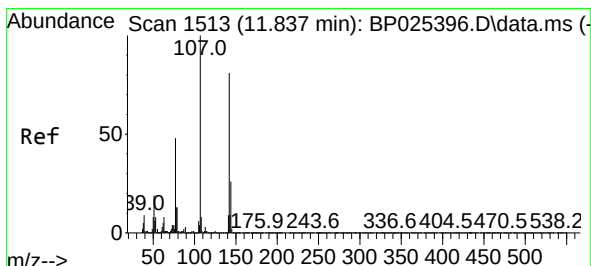
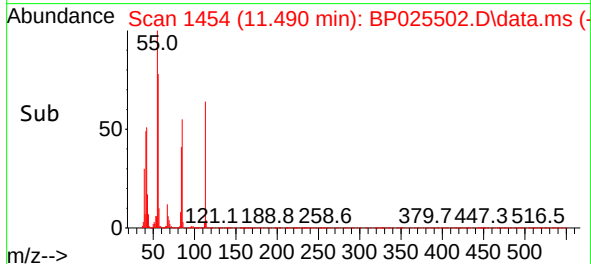
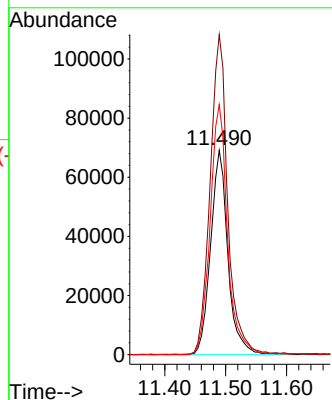
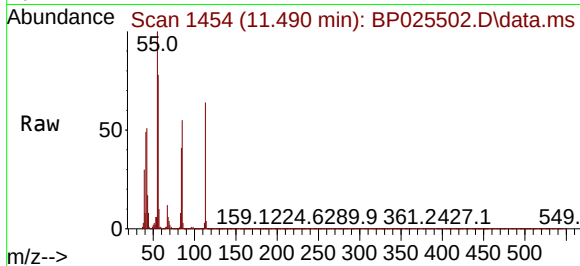




#35
Caprolactam
Concen: 38.776 ng
RT: 11.490 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

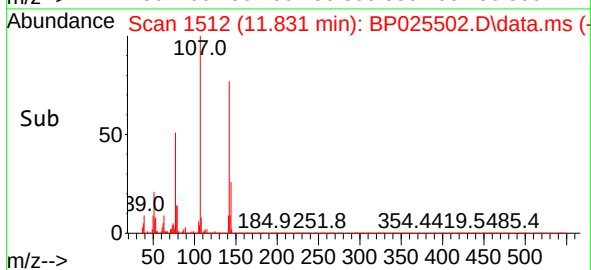
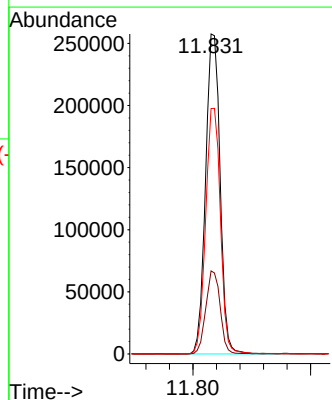
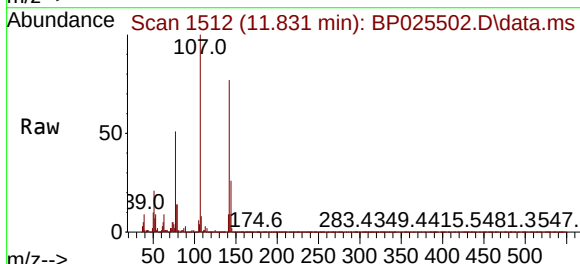
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

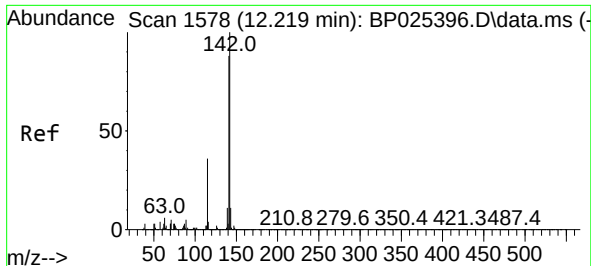
Tgt Ion:113 Resp: 136092
Ion Ratio Lower Upper
113 100
55 156.6 140.0 180.0
56 122.4 100.0 140.0



#36
4-Chloro-3-methylphenol
Concen: 40.195 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:107 Resp: 441463
Ion Ratio Lower Upper
107 100
144 26.0 21.0 31.4
142 76.7 64.6 97.0

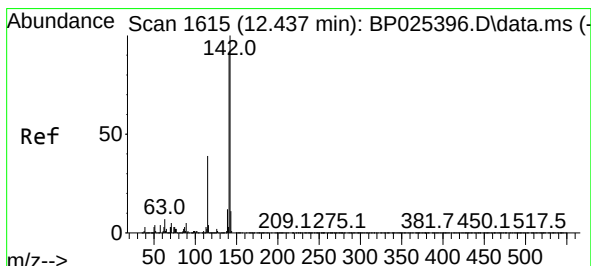
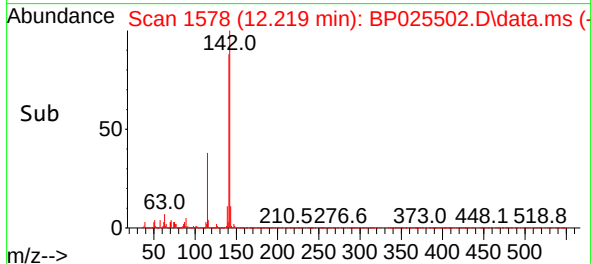
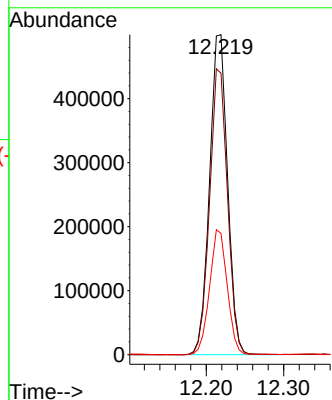
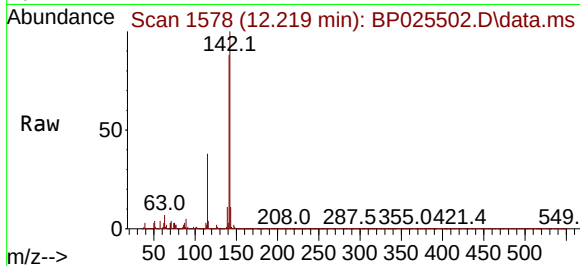




#37
2-Methylnaphthalene
Concen: 38.714 ng
RT: 12.219 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

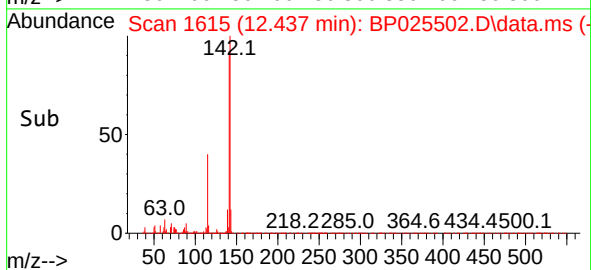
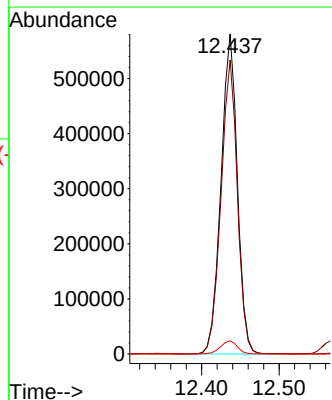
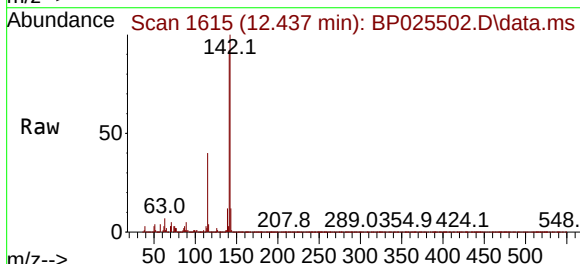
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

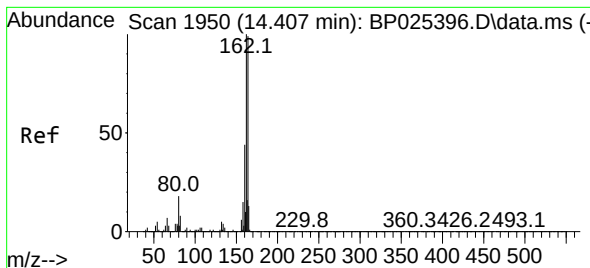
Tgt Ion:142 Resp: 809155
Ion Ratio Lower Upper
142 100
141 88.0 70.3 105.5
115 37.9 28.9 43.3



#38
1-Methylnaphthalene
Concen: 38.296 ng
RT: 12.437 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:142 Resp: 851212
Ion Ratio Lower Upper
142 100
141 91.8 73.1 109.7
116 4.1 3.2 4.8

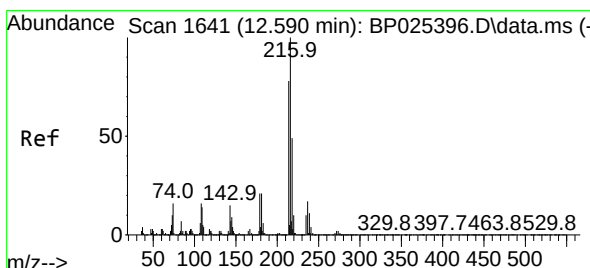
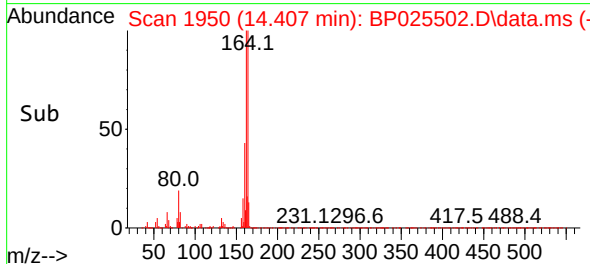
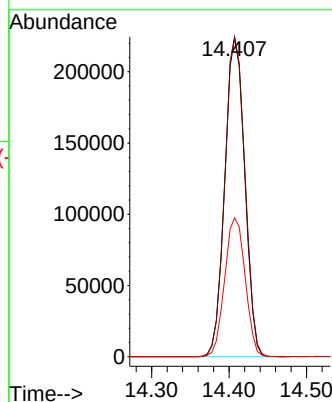
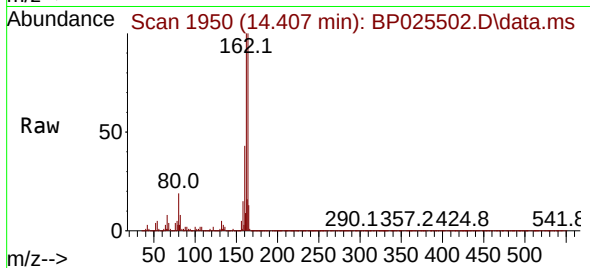




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

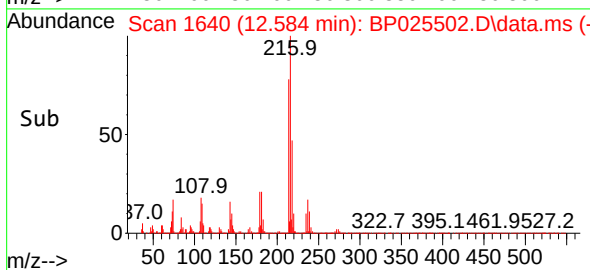
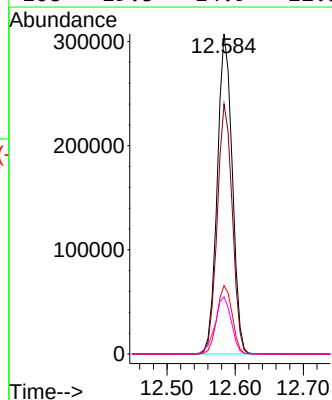
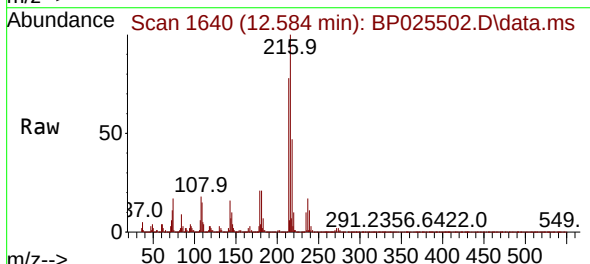
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

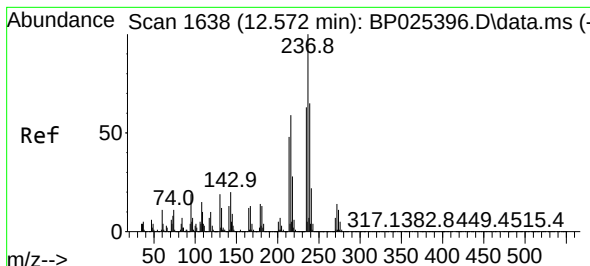
Tgt Ion:164 Resp: 400331
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.6
160 43.6 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.579 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:216 Resp: 469176
Ion Ratio Lower Upper
216 100
214 78.4 63.0 94.4
179 21.7 17.1 25.7
108 19.5 14.9 22.3

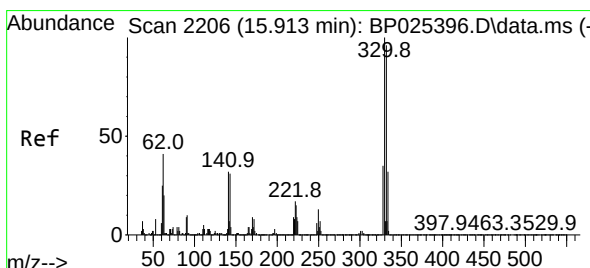
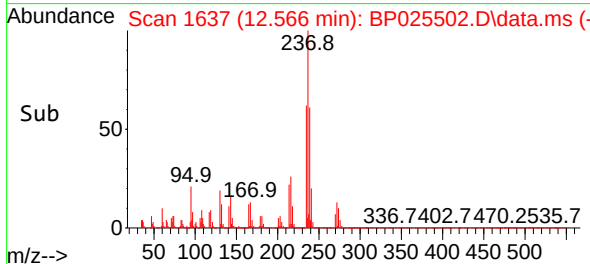
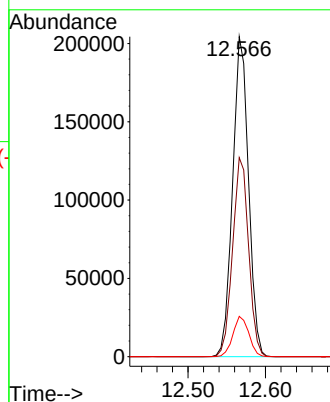
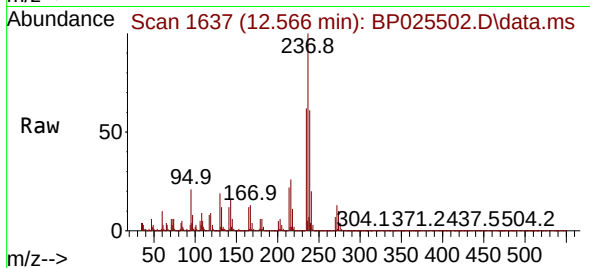




#41
Hexachlorocyclopentadiene
Concen: 41.746 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

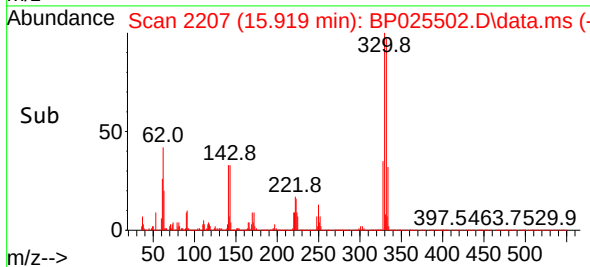
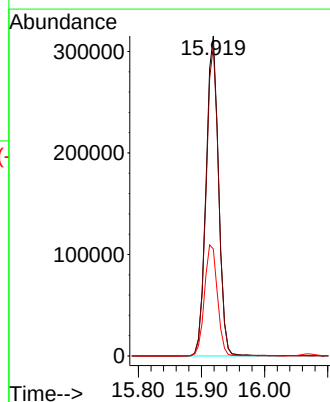
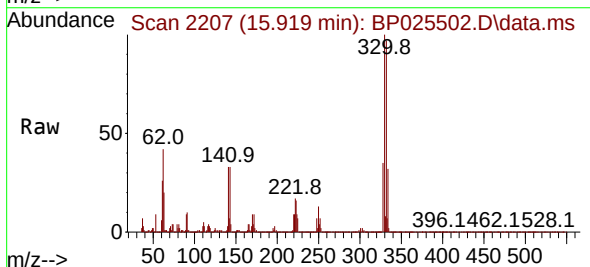
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

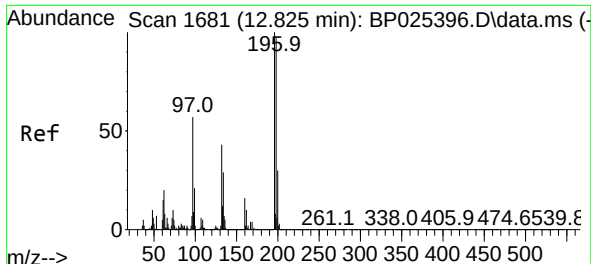
Tgt Ion:237 Resp: 291550
Ion Ratio Lower Upper
237 100
235 62.2 42.7 82.7
272 12.6 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 80.580 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:330 Resp: 434204
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 36.0 26.6 39.8

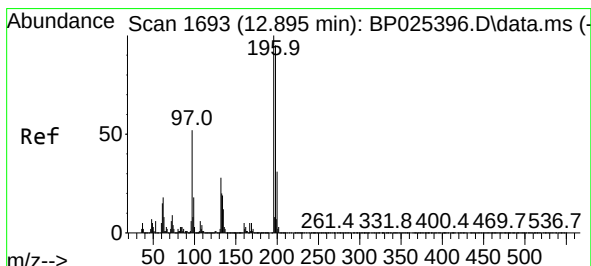
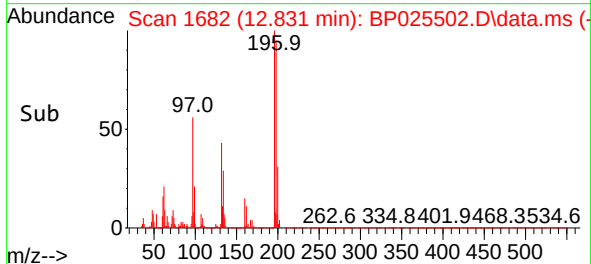
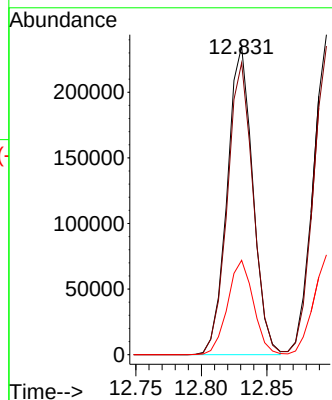
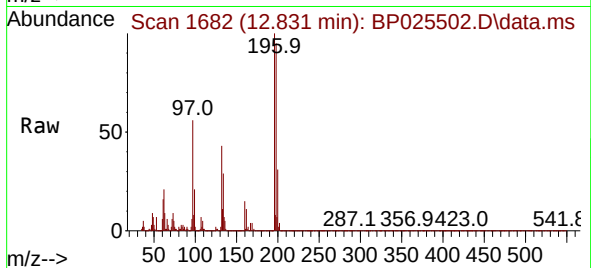




#43
2,4,6-Trichlorophenol
Concen: 40.907 ng
RT: 12.831 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

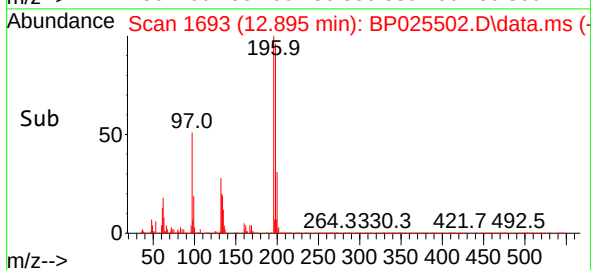
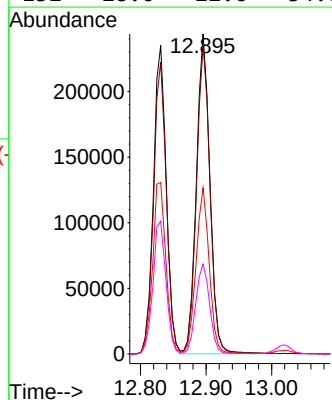
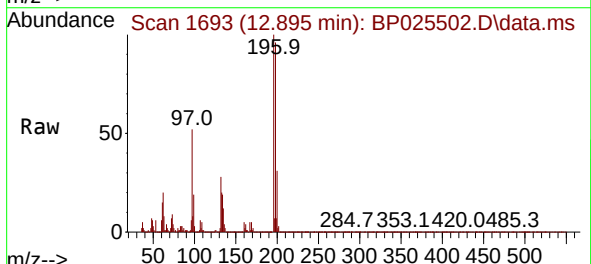
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

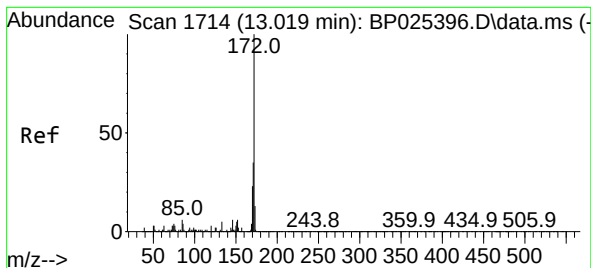
Tgt Ion:196 Resp: 319303
Ion Ratio Lower Upper
196 100
198 94.6 77.2 115.8
200 30.6 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 41.026 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:196 Resp: 350964
Ion Ratio Lower Upper
196 100
198 96.4 76.2 114.2
97 51.9 41.2 61.8
132 28.0 22.6 34.0

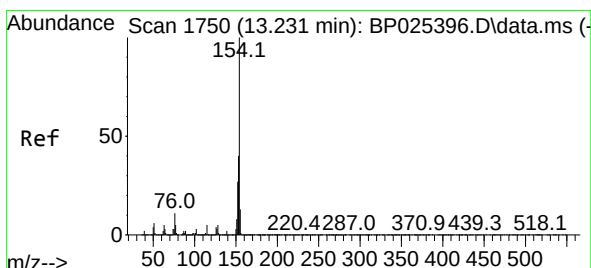
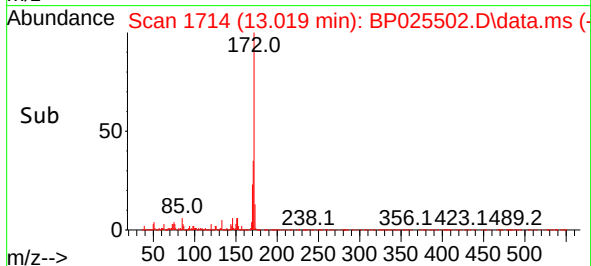
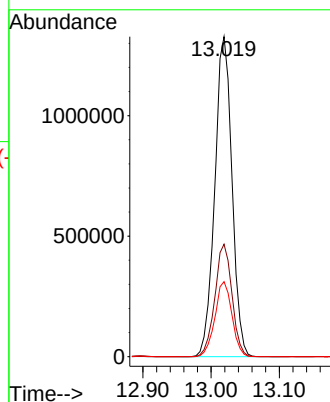
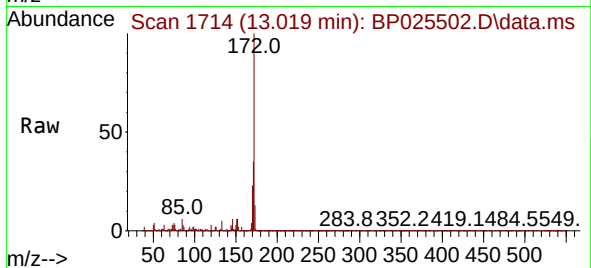




#45
2-Fluorobiphenyl
Concen: 79.531 ng
RT: 13.019 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

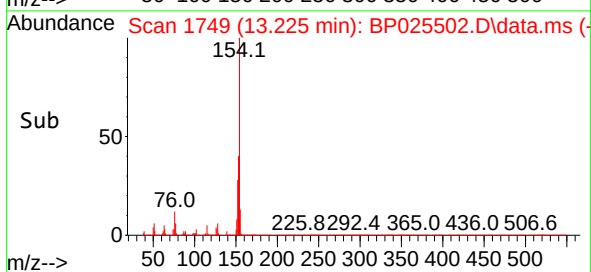
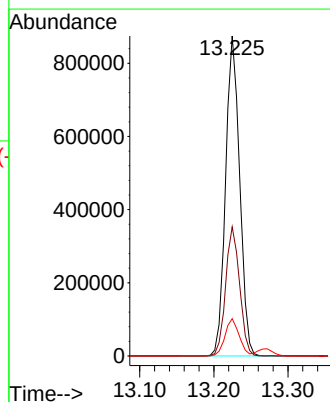
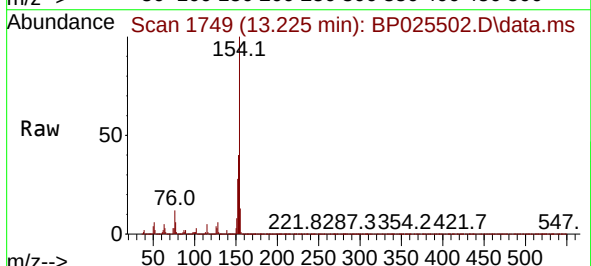
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

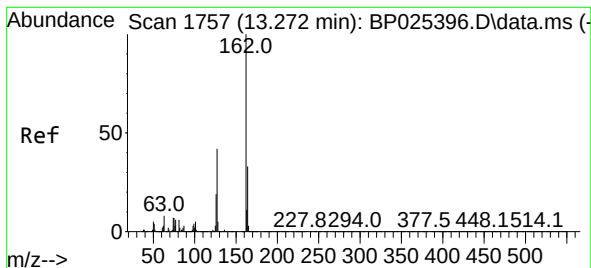
Tgt Ion:172 Resp: 2329621
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 39.678 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:154 Resp: 1153599
Ion Ratio Lower Upper
154 100
153 40.3 19.5 59.5
76 11.7 0.0 31.1

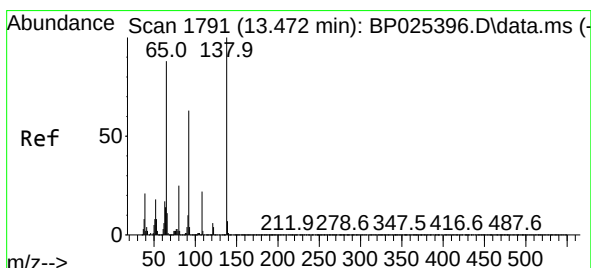
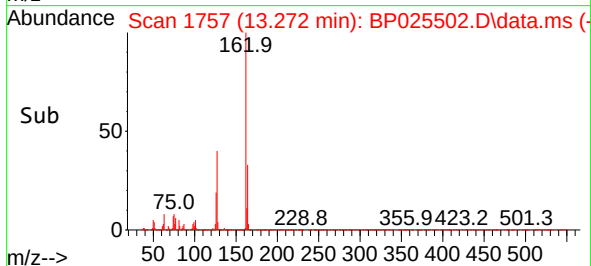
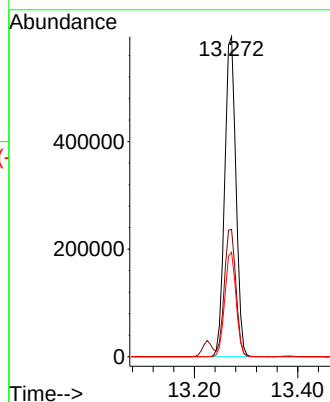
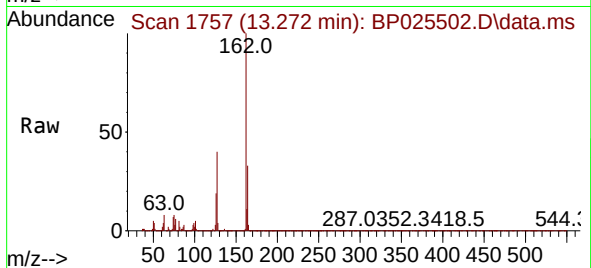




#47
2-Chloronaphthalene
Concen: 39.783 ng
RT: 13.272 min Scan# 1757
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

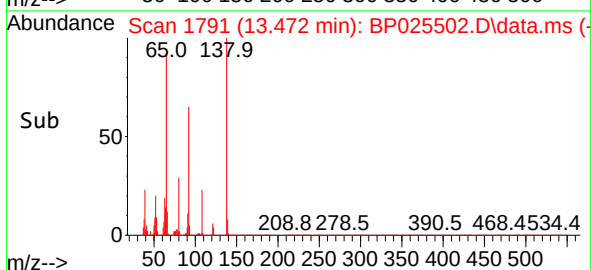
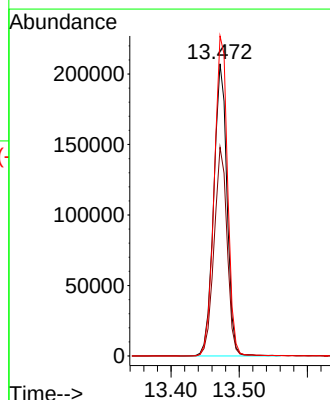
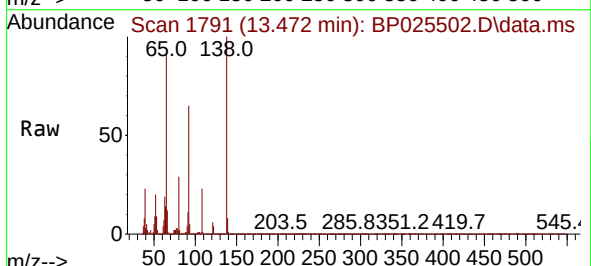
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

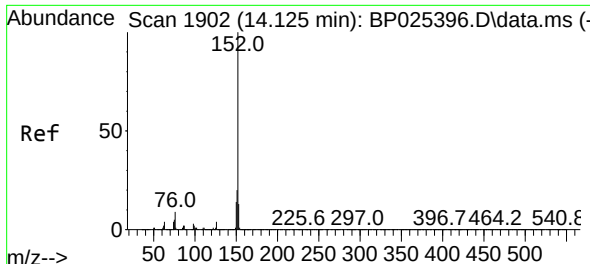
Tgt Ion:162 Resp: 900445
Ion Ratio Lower Upper
162 100
127 39.8 33.4 50.2
164 32.7 26.2 39.2



#48
2-Nitroaniline
Concen: 42.727 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 65 Resp: 281785
Ion Ratio Lower Upper
65 100
92 71.4 57.6 86.4
138 109.5 91.0 136.6

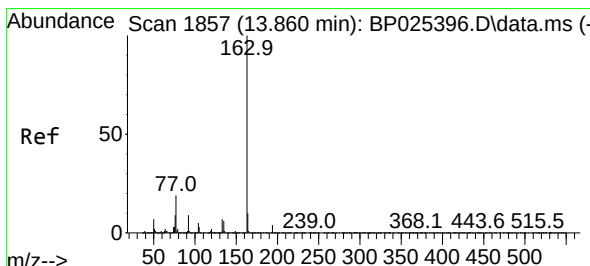
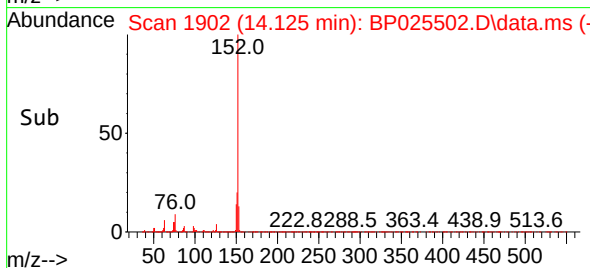
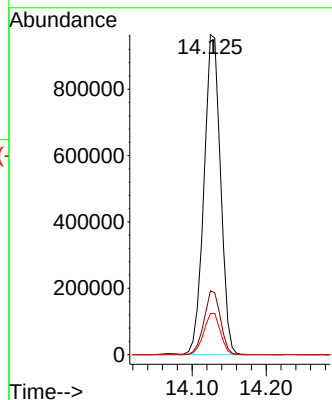
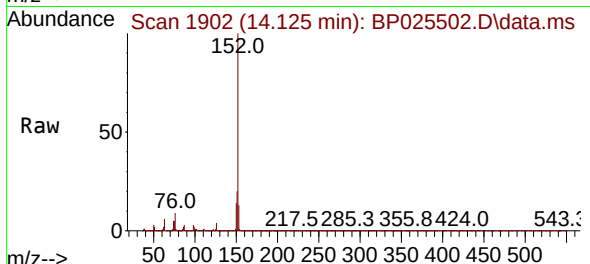




#49
Acenaphthylene
Concen: 39.860 ng
RT: 14.125 min Scan# 1902
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

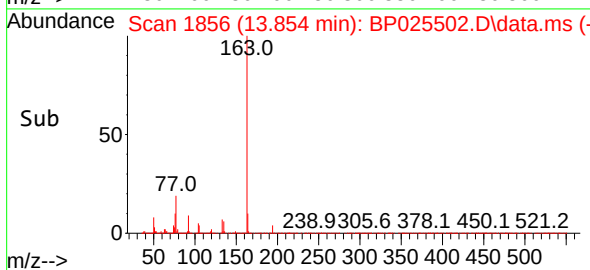
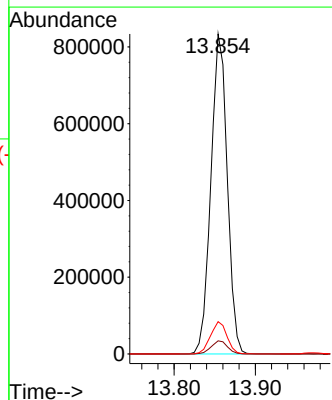
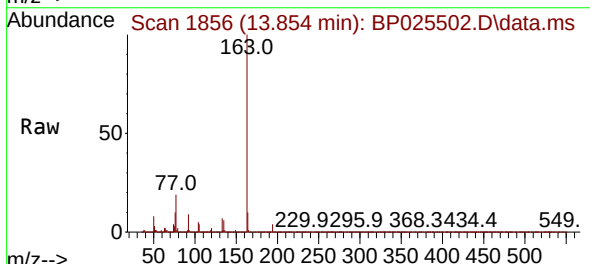
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

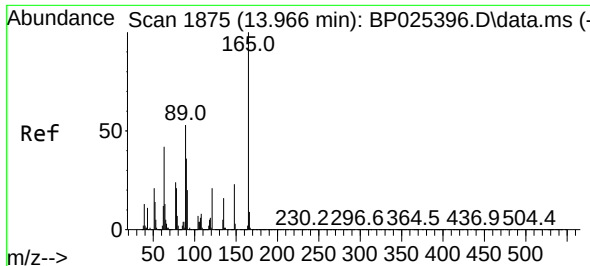
Tgt Ion:152 Resp: 1492877
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 12.8 10.6 15.8



#50
Dimethylphthalate
Concen: 39.744 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:163 Resp: 1165139
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.1 7.9 11.9

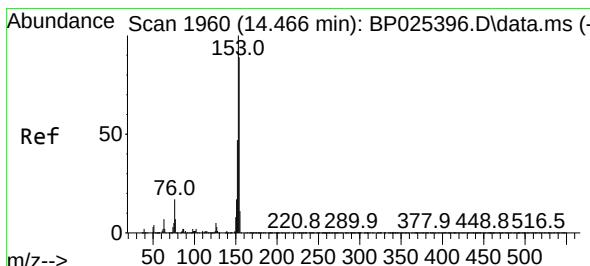
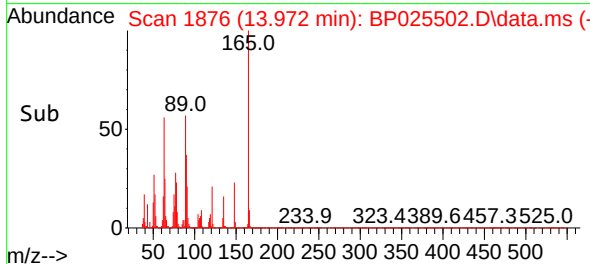
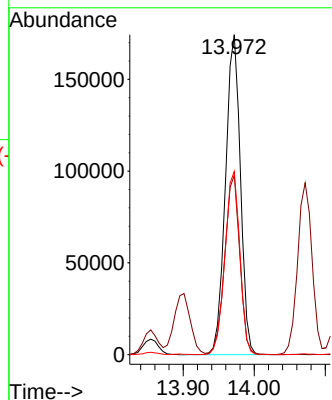
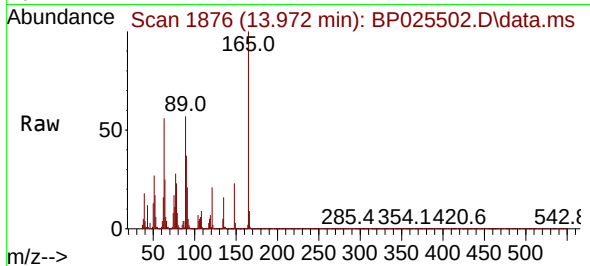




#51
2,6-Dinitrotoluene
Concen: 41.073 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

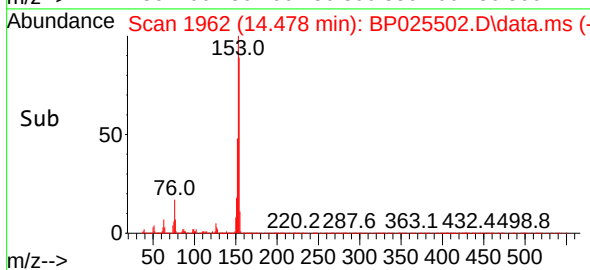
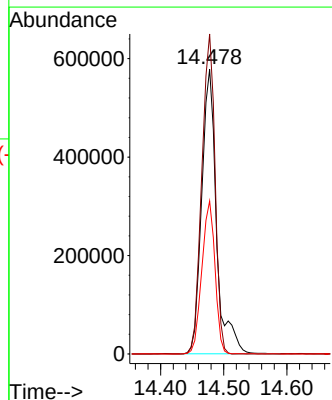
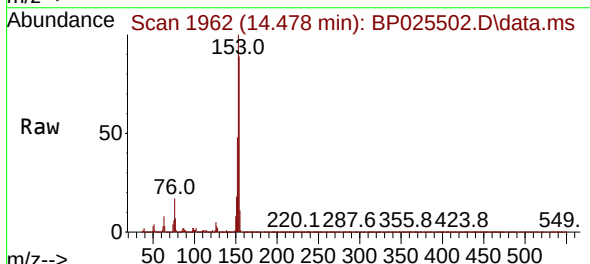
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

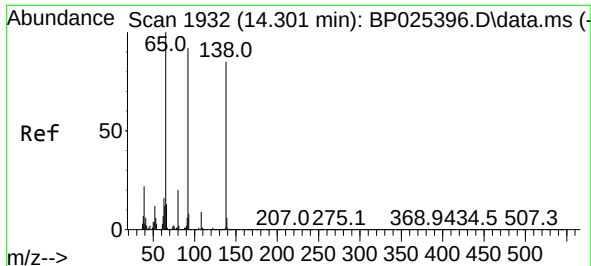
Tgt Ion:165 Resp: 253787
Ion Ratio Lower Upper
165 100
63 56.1 40.9 61.3
89 57.3 42.1 63.1



#52
Acenaphthene
Concen: 42.917 ng
RT: 14.478 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:154 Resp: 943497
Ion Ratio Lower Upper
154 100
153 112.4 90.2 135.2
152 53.8 42.1 63.1

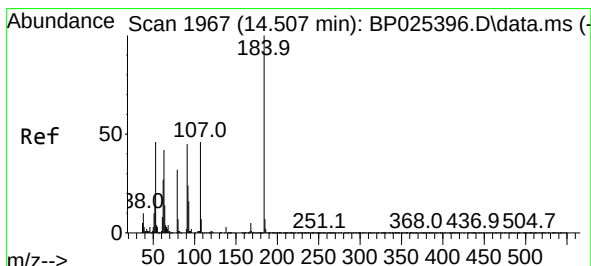
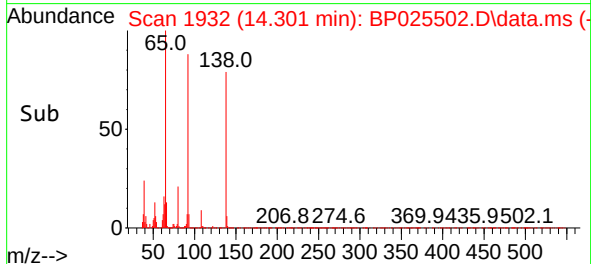
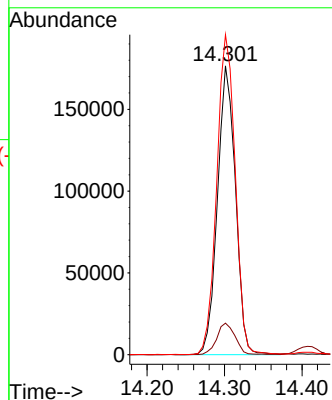
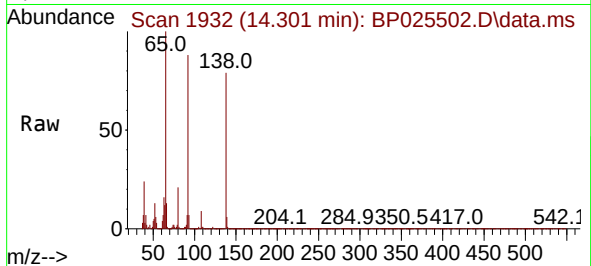




#53
3-Nitroaniline
Concen: 41.043 ng
RT: 14.301 min Scan# 1932
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

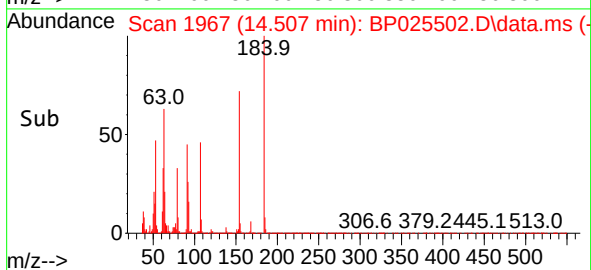
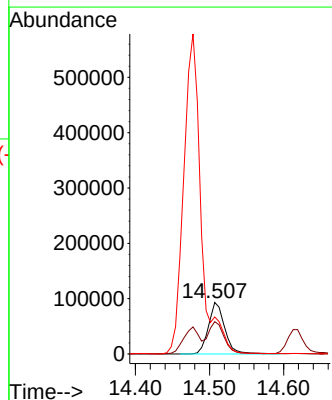
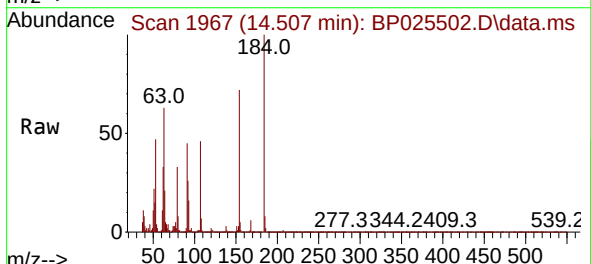
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

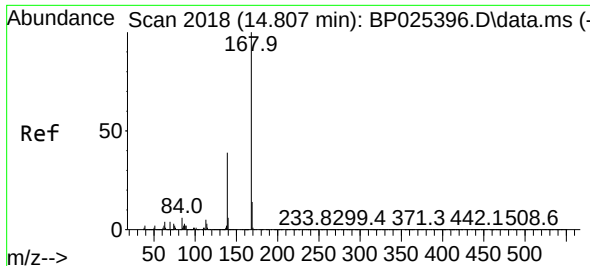
Tgt Ion:138 Resp: 285327
Ion Ratio Lower Upper
138 100
108 10.9 8.3 12.5
92 110.8 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 43.128 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:184 Resp: 142309
Ion Ratio Lower Upper
184 100
63 62.8 49.4 74.2
154 71.8 54.6 82.0

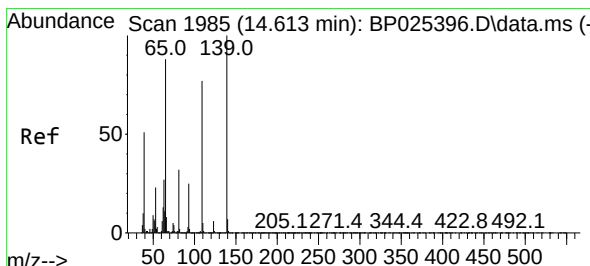
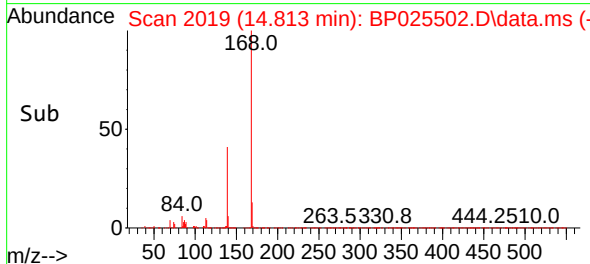
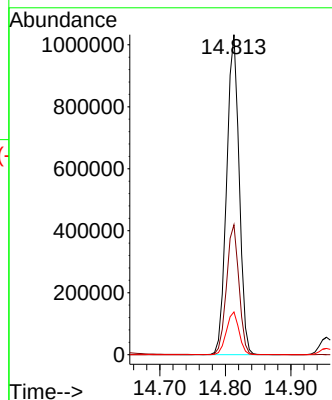
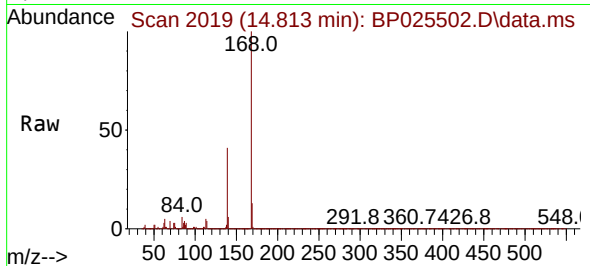




#55
Dibenzofuran
Concen: 39.226 ng
RT: 14.813 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

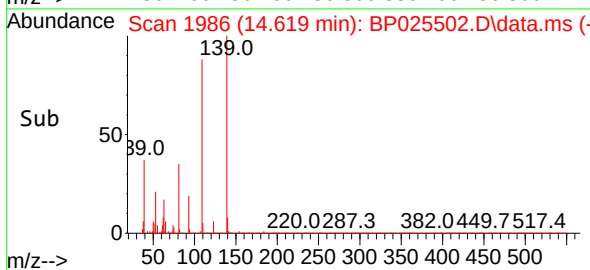
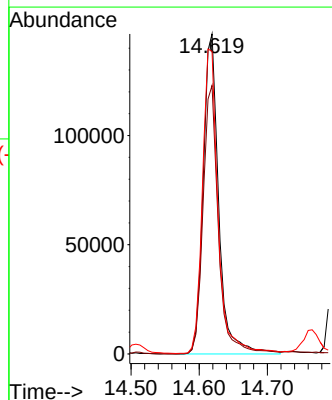
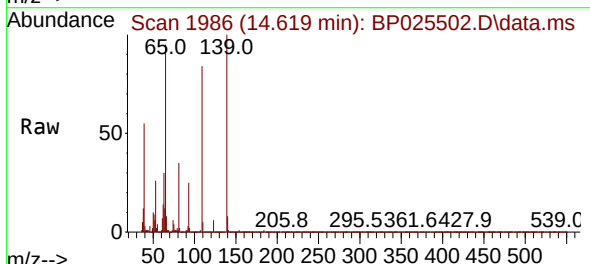
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

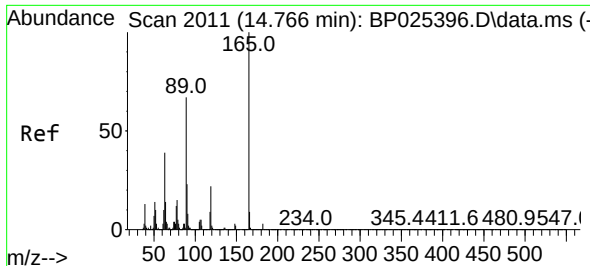
Tgt Ion:168 Resp: 1363388
Ion Ratio Lower Upper
168 100
139 40.6 31.5 47.3
169 13.3 10.9 16.3



#56
4-Nitrophenol
Concen: 40.538 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:139 Resp: 231578
Ion Ratio Lower Upper
139 100
109 83.9 56.6 96.6
65 94.5 68.2 108.2

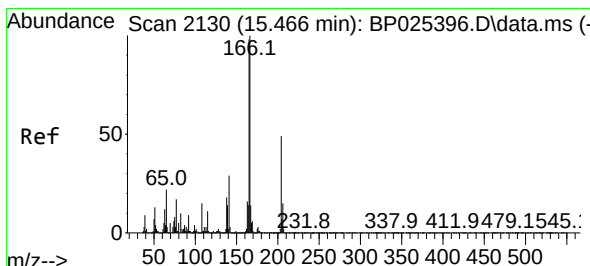
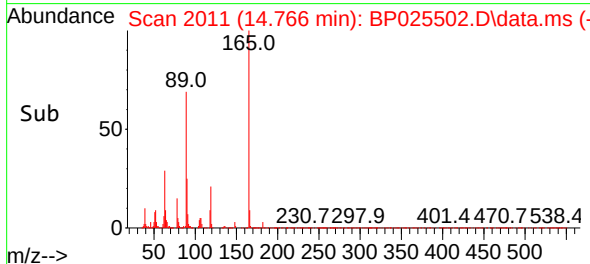
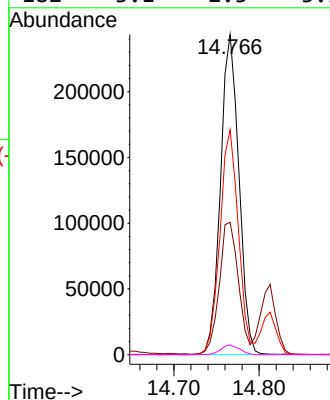
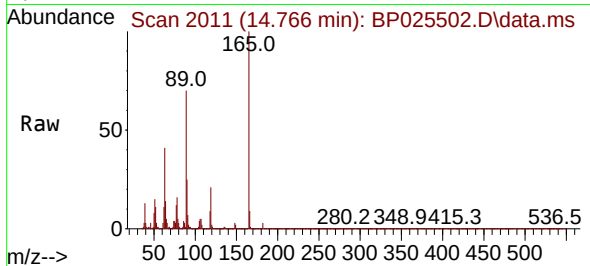




#57
2,4-Dinitrotoluene
Concen: 41.459 ng
RT: 14.766 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

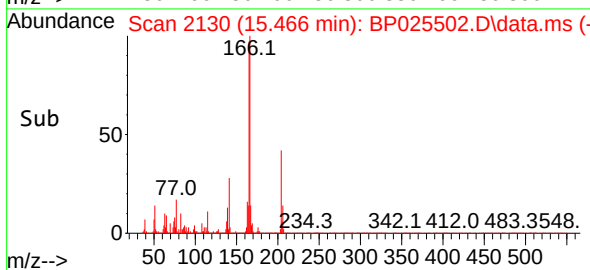
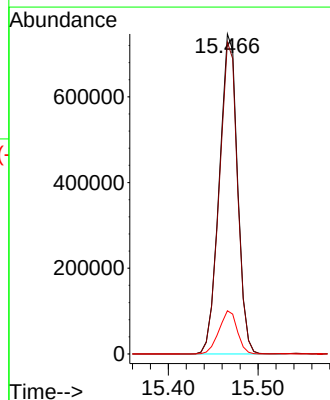
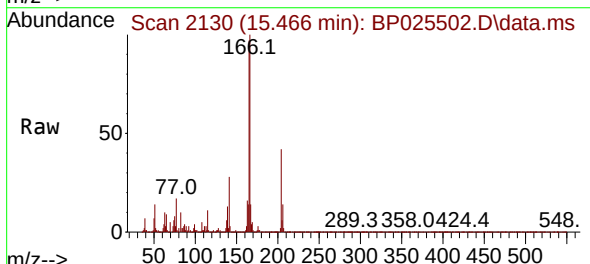
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

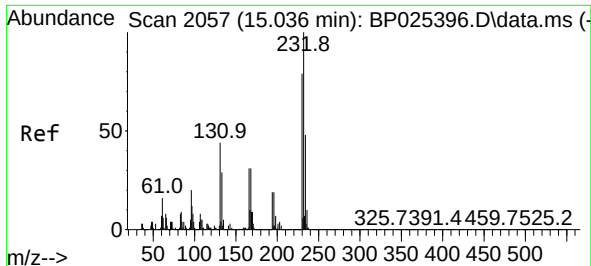
Tgt Ion:165 Resp: 365491
Ion Ratio Lower Upper
165 100
63 41.4 31.4 47.2
89 70.3 53.3 79.9
182 3.1 2.3 3.5



#58
Fluorene
Concen: 38.412 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:166 Resp: 1053490
Ion Ratio Lower Upper
166 100
165 97.4 78.8 118.2
167 13.5 11.0 16.4

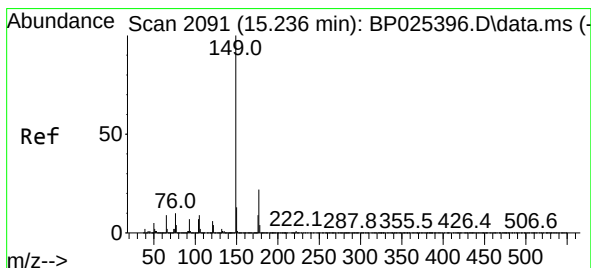
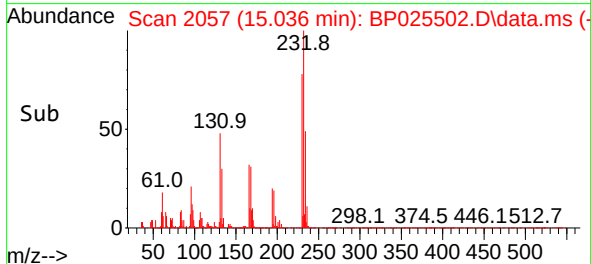
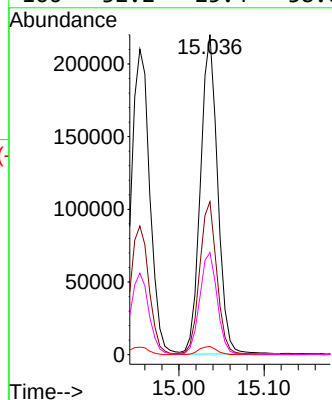
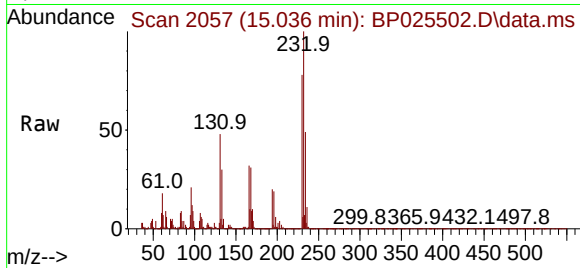




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.574 ng
RT: 15.036 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

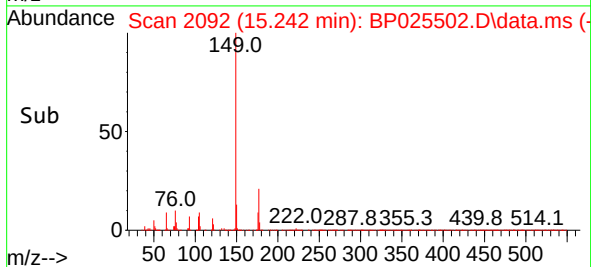
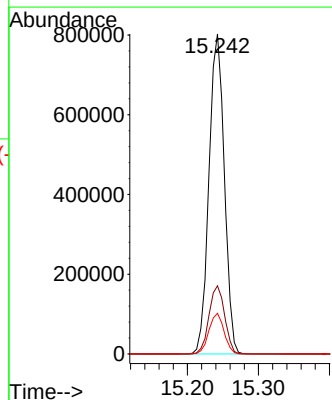
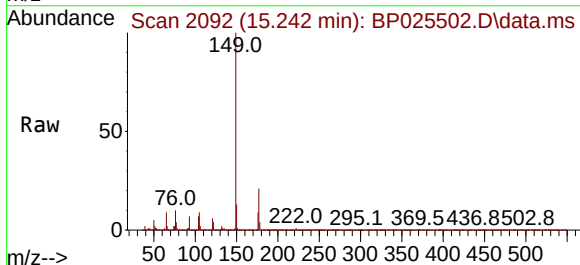
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

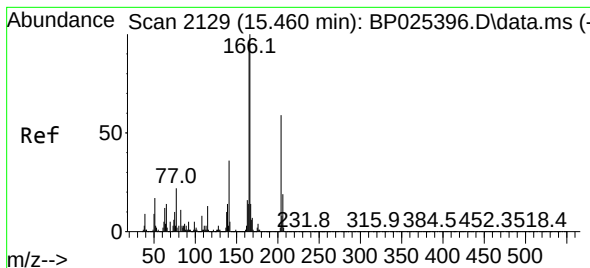
Tgt Ion:	232	Resp:	306484
Ion Ratio	Lower	Upper	
232	100		
131	47.8	37.0	55.6
130	2.6	1.9	2.9
166	32.2	25.4	38.0



#60
Diethylphthalate
Concen: 40.513 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:	149	Resp:	1206790
Ion Ratio	Lower	Upper	
149	100		
177	21.3	17.3	25.9
150	12.7	10.3	15.5

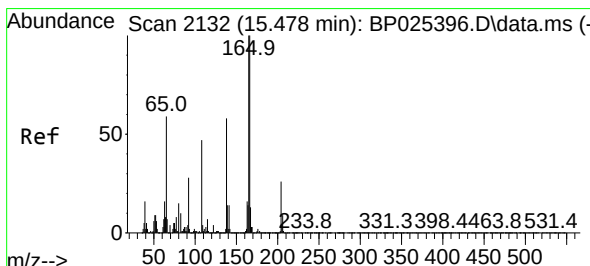
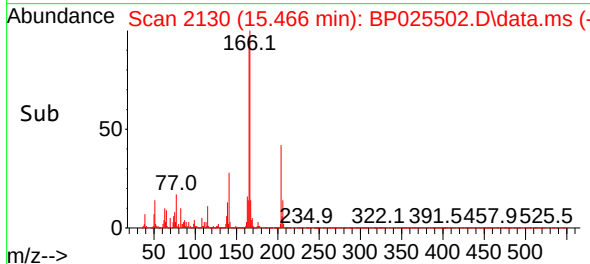
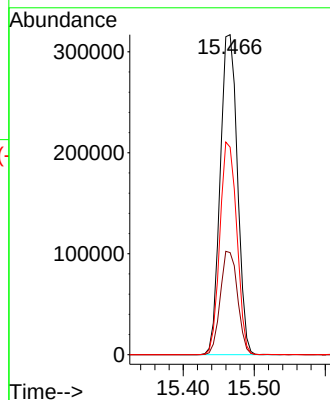
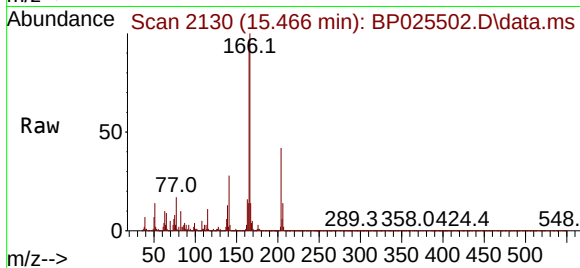




#61
4-Chlorophenyl-phenylether
Concen: 38.934 ng
RT: 15.466 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

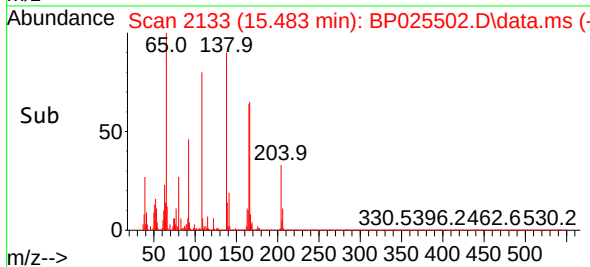
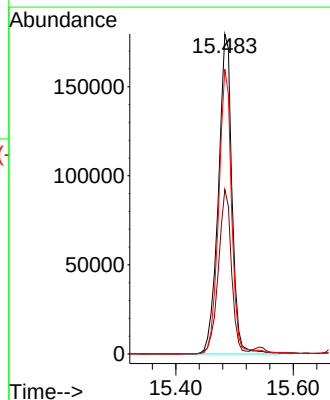
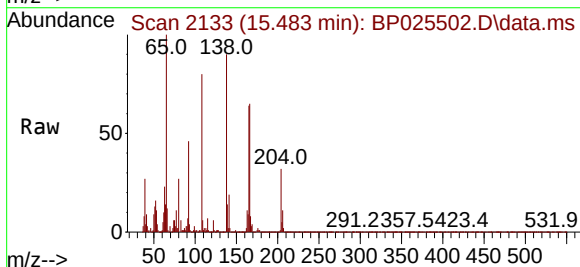
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

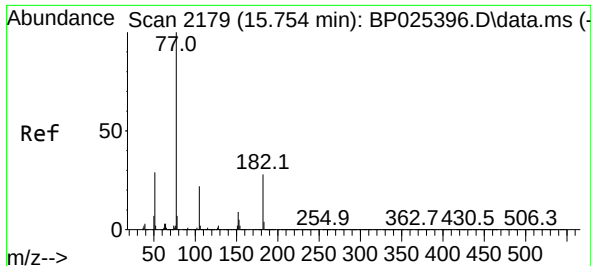
Tgt Ion:204 Resp: 531056
Ion Ratio Lower Upper
204 100
206 31.9 25.8 38.8
141 64.8 49.4 74.2



#62
4-Nitroaniline
Concen: 40.530 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:138 Resp: 288849
Ion Ratio Lower Upper
138 100
92 51.4 29.1 69.1
108 89.0 61.5 101.5



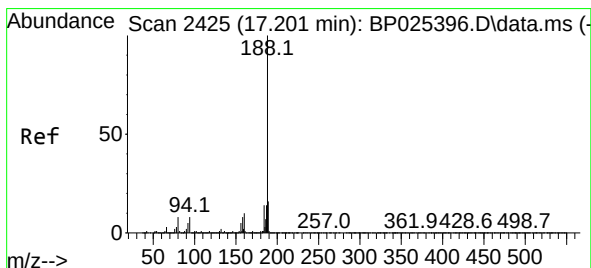
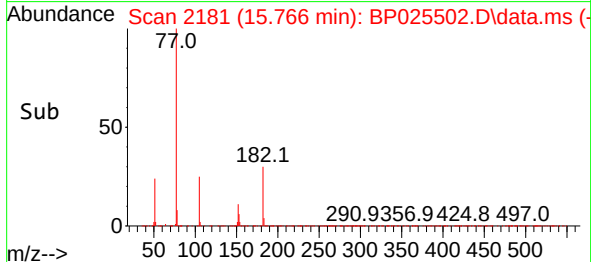
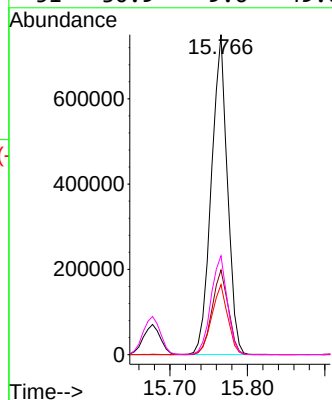
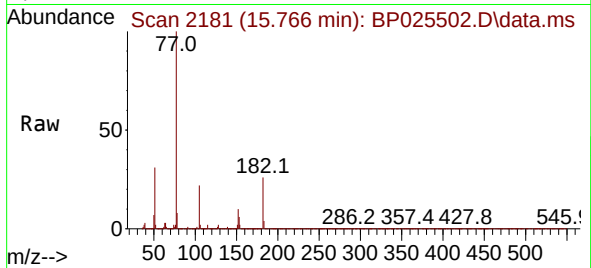


#63
Azobenzene
Concen: 42.199 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1076346

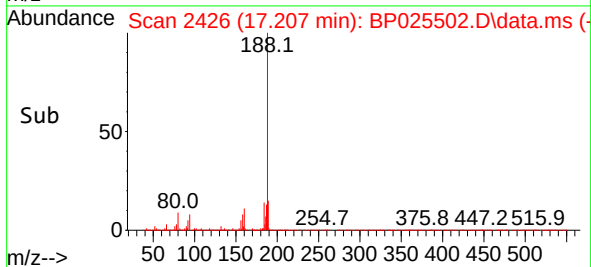
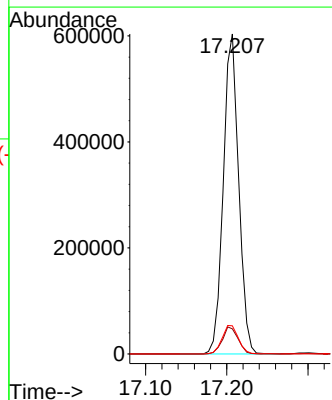
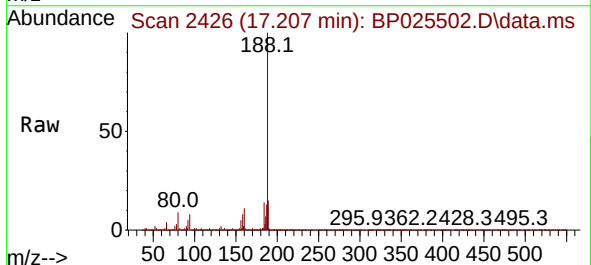
Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.5	47.5
105	21.9	2.1	42.1
51	30.9	9.6	49.6

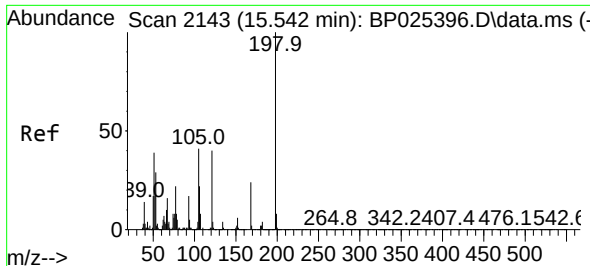


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 188 Resp: 794586

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.6	10.0
80	8.8	6.7	10.1

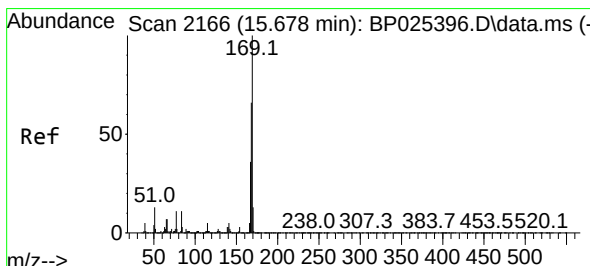
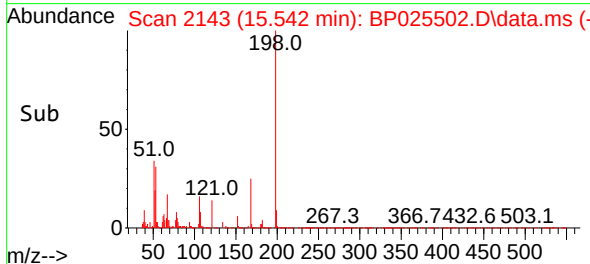
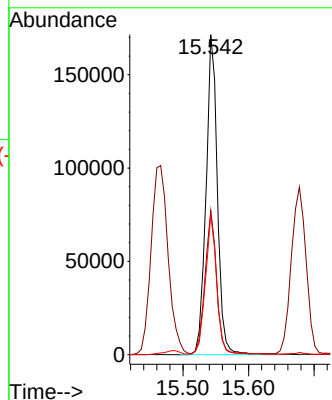
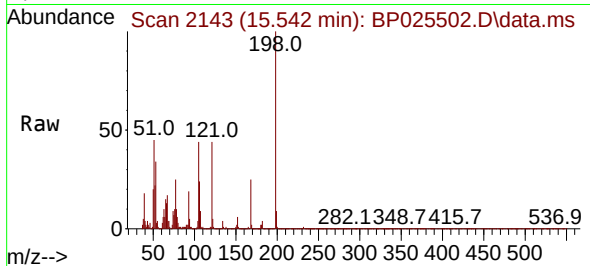




#65
4,6-Dinitro-2-methylphenol
Concen: 41.917 ng
RT: 15.542 min Scan# 2143
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

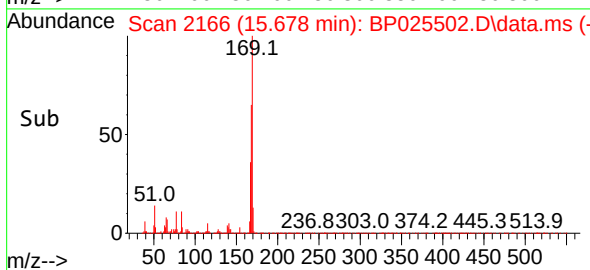
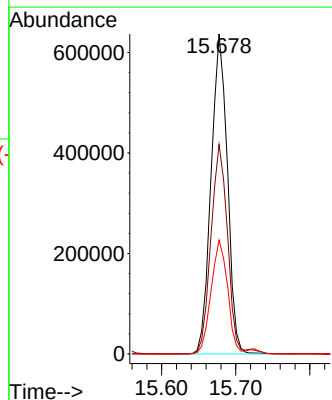
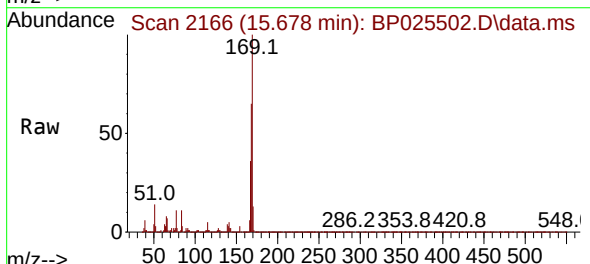
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

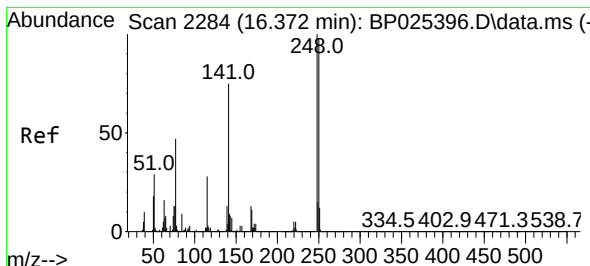
Tgt Ion:198 Resp: 207617
Ion Ratio Lower Upper
198 100
51 45.1 19.6 59.6
105 43.8 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 40.171 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:169 Resp: 973360
Ion Ratio Lower Upper
169 100
168 65.4 53.2 79.8
167 35.6 28.7 43.1

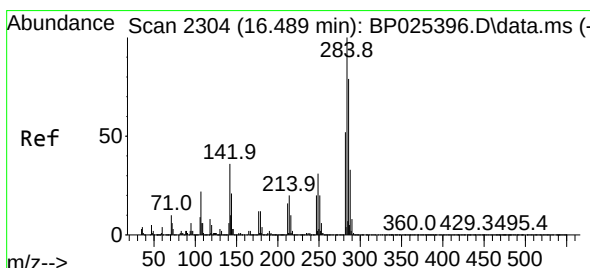
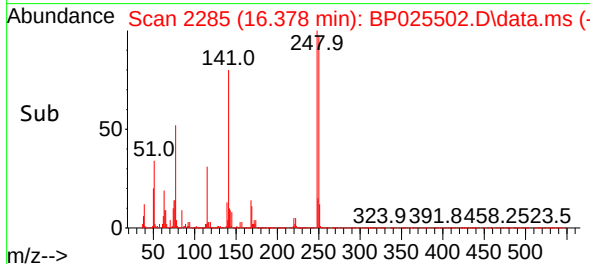
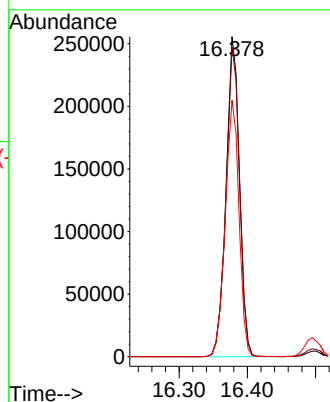
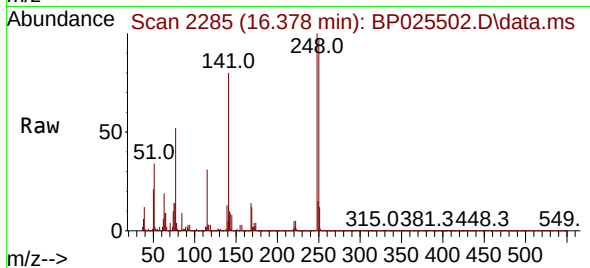




#67
4-Bromophenyl-phenylether
Concen: 40.268 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

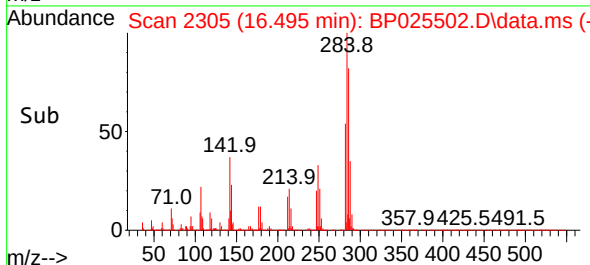
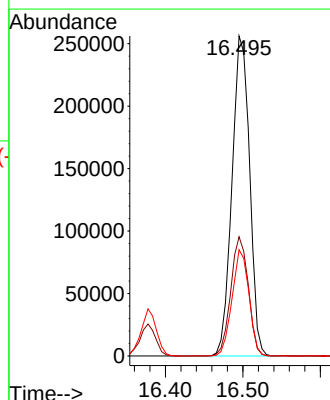
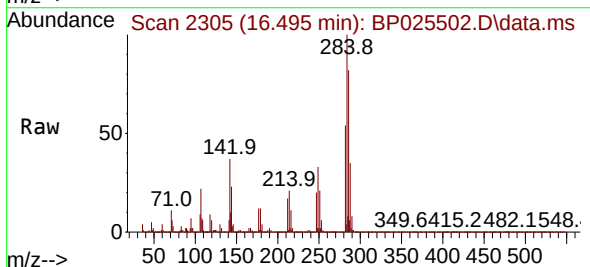
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

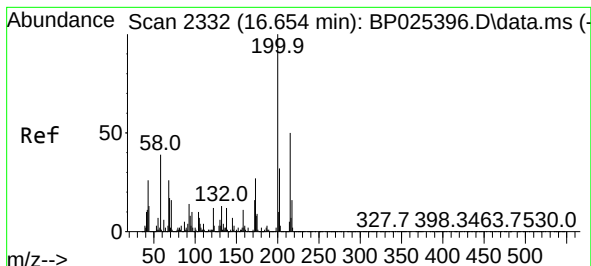
Tgt Ion:248 Resp: 351898
Ion Ratio Lower Upper
248 100
250 96.8 78.2 117.2
141 80.1 59.6 89.4



#68
Hexachlorobenzene
Concen: 39.919 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:284 Resp: 404392
Ion Ratio Lower Upper
284 100
142 37.3 29.1 43.7
249 33.2 25.0 37.4





#69

Atrazine

Concen: 40.186 ng

RT: 16.654 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

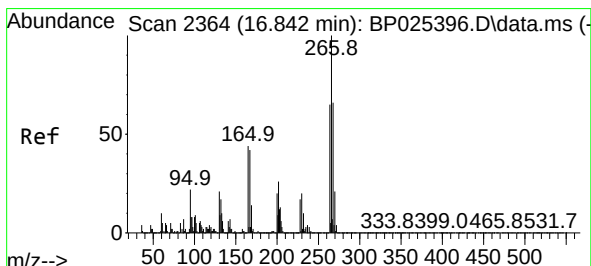
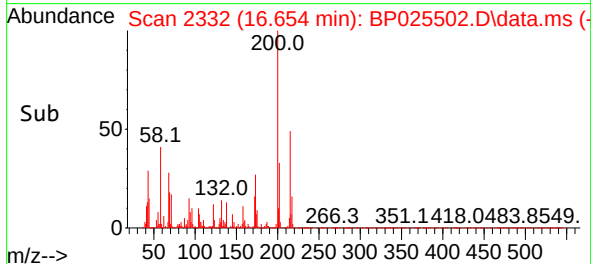
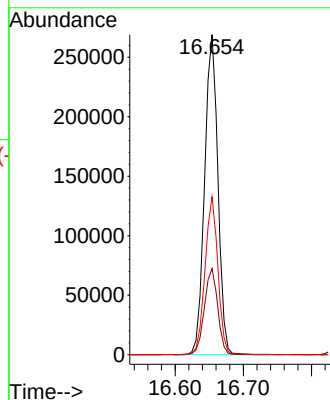
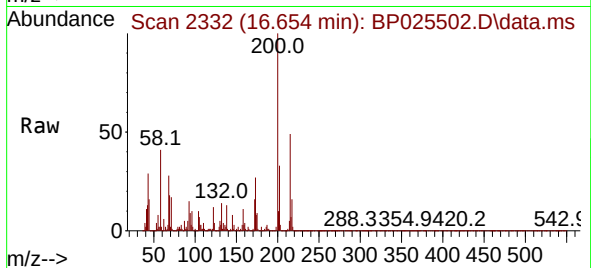
Tgt Ion:200 Resp: 364653

Ion Ratio Lower Upper

200 100

173 26.9 6.7 46.7

215 49.3 29.7 69.7



#70

Pentachlorophenol

Concen: 42.449 ng

RT: 16.842 min Scan# 2364

Delta R.T. -0.000 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

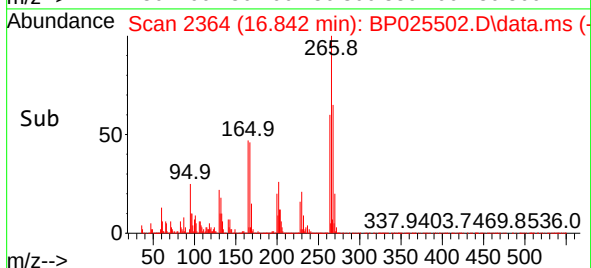
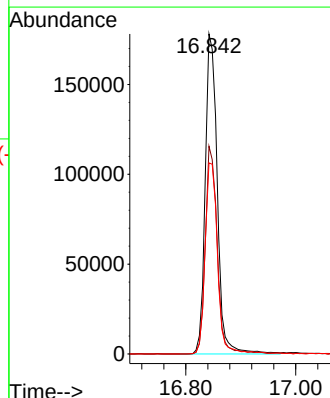
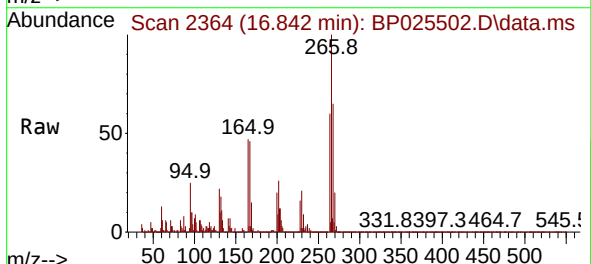
Tgt Ion:266 Resp: 271451

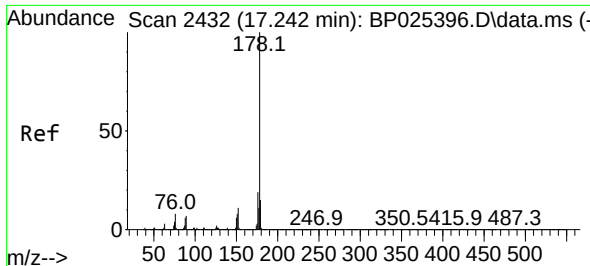
Ion Ratio Lower Upper

266 100

268 64.9 52.6 79.0

264 59.7 52.0 78.0

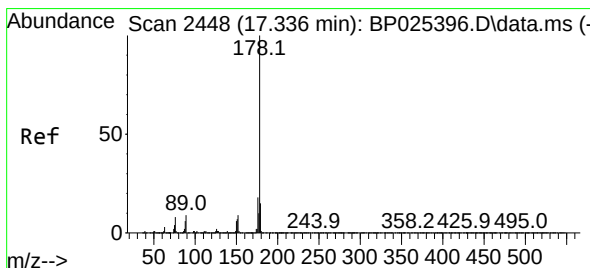
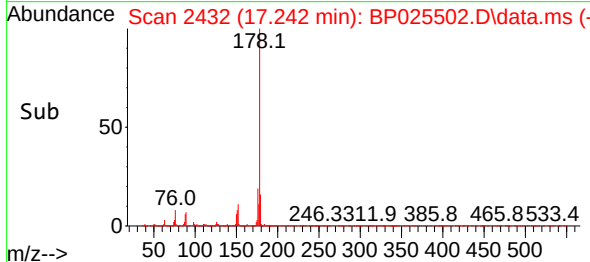
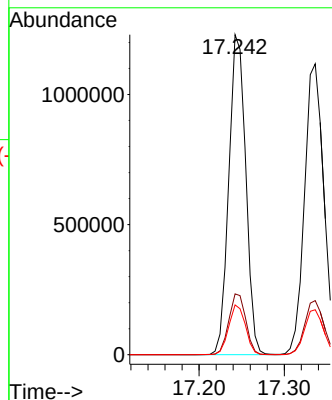
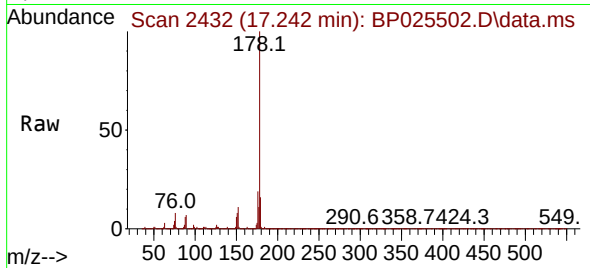




#71
Phenanthrene
Concen: 39.064 ng
RT: 17.242 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

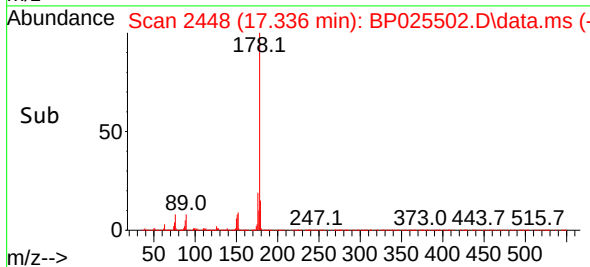
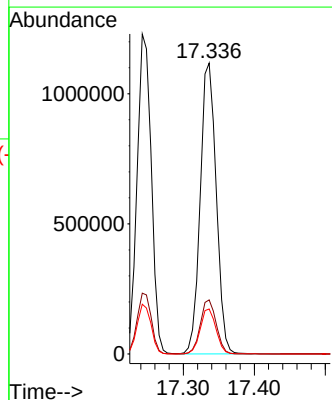
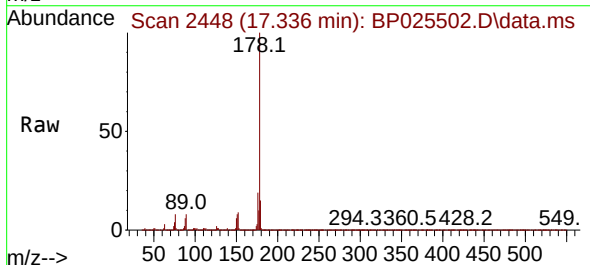
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

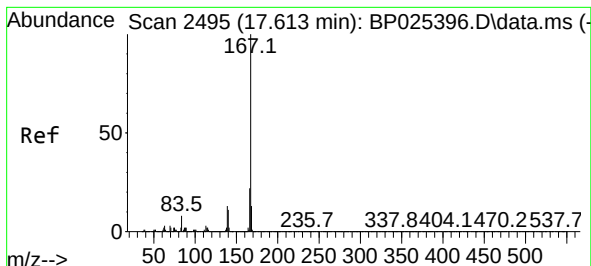
Tgt Ion:178 Resp: 1705125
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.6 12.2 18.4



#72
Anthracene
Concen: 39.365 ng
RT: 17.336 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:178 Resp: 1754702
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.5 12.2 18.2





#73

Carbazole

Concen: 39.300 ng

RT: 17.613 min Scan# 2495

Delta R.T. -0.000 min

Lab File: BP025502.D

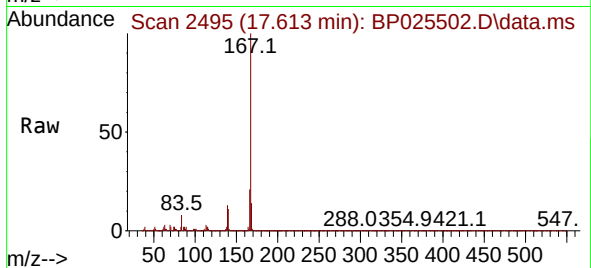
Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

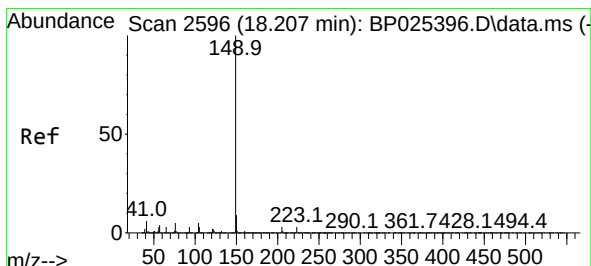
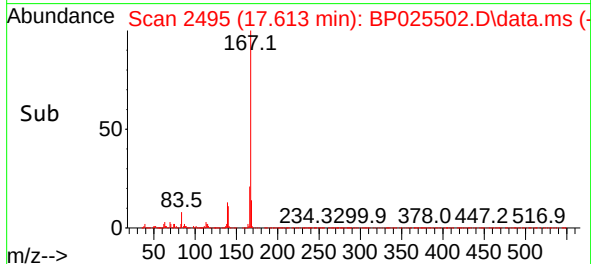
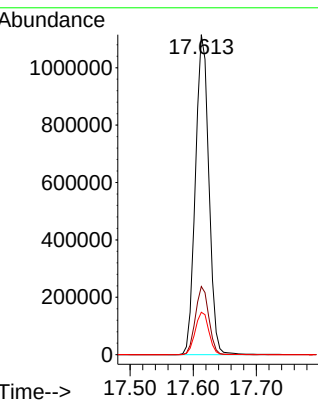
ClientSampleId :

SSTDCCC040EC



Tgt Ion:167 Resp: 1650038

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.5	26.3
139	13.3	10.6	16.0



#74

Di-n-butylphthalate

Concen: 40.373 ng

RT: 18.213 min Scan# 2597

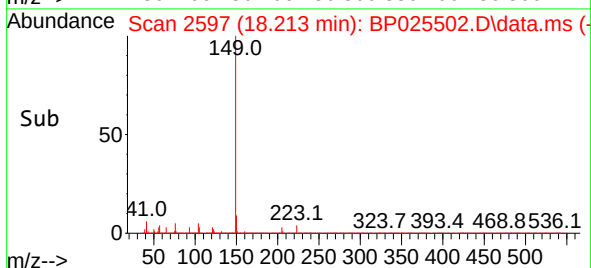
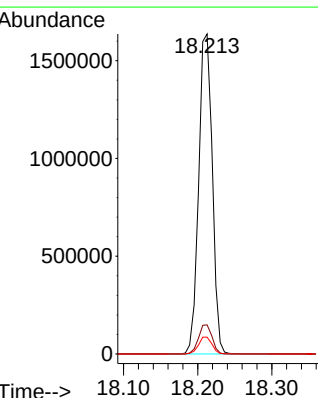
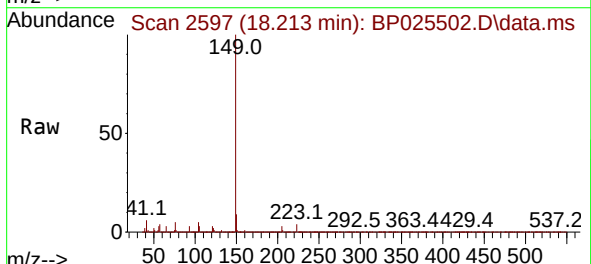
Delta R.T. 0.006 min

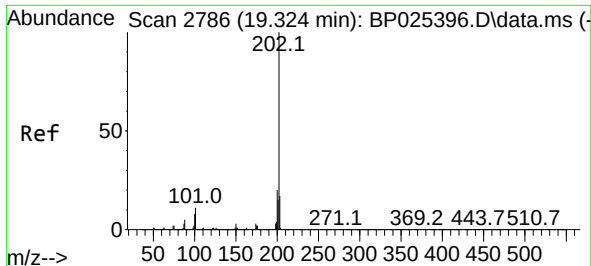
Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Tgt Ion:149 Resp: 2085492

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2

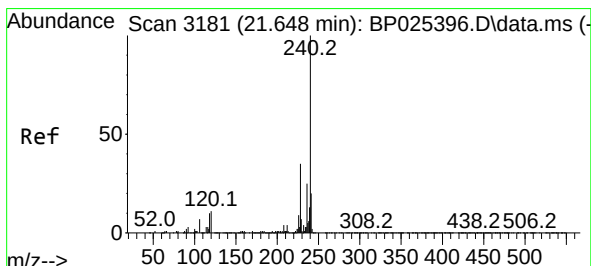
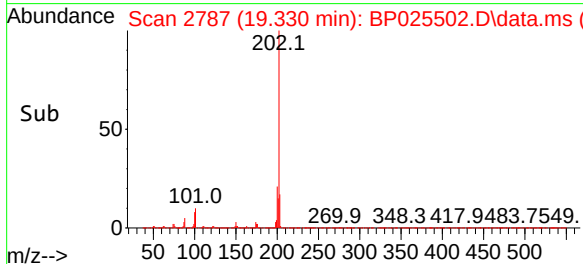
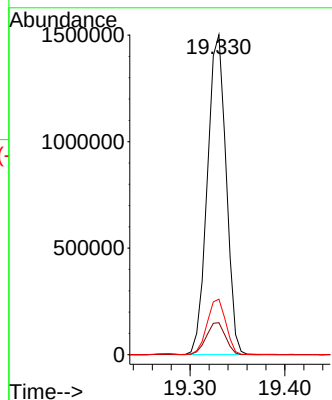
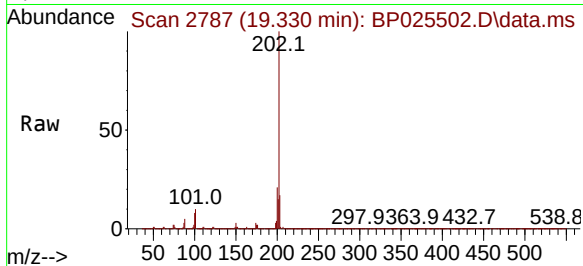




#75
Fluoranthene
Concen: 39.528 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

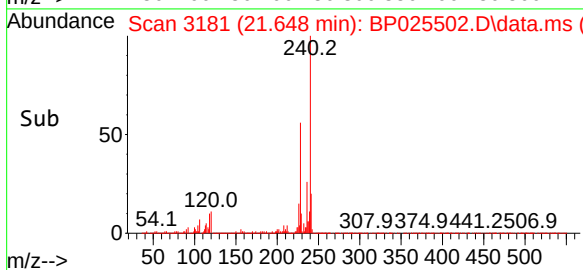
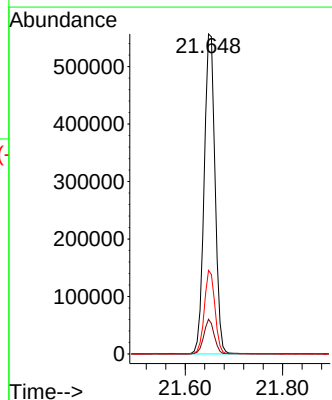
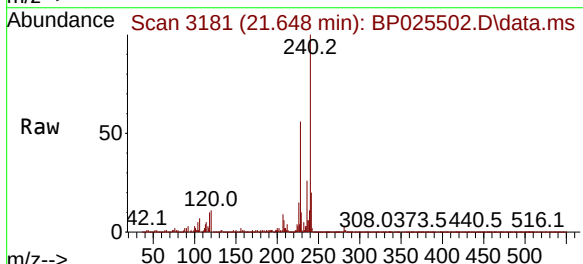
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

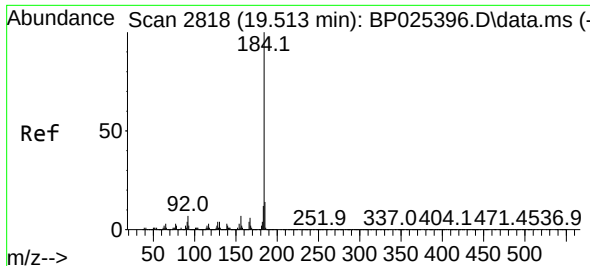
Tgt Ion:202 Resp: 2058062
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.1
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:240 Resp: 859938
Ion Ratio Lower Upper
240 100
120 10.8 8.9 13.3
236 26.1 19.8 29.8

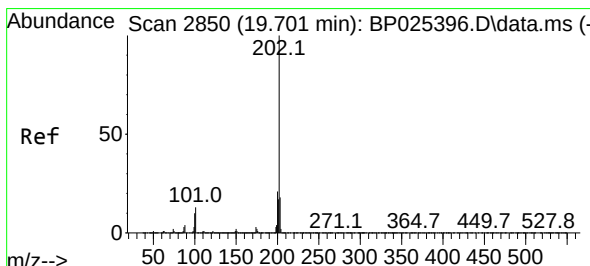
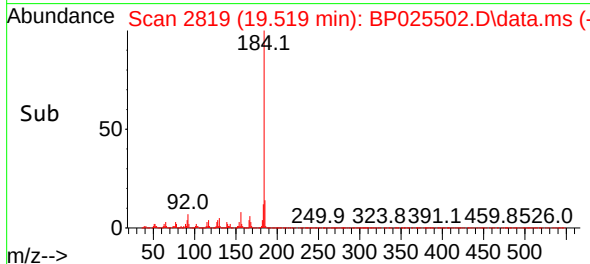
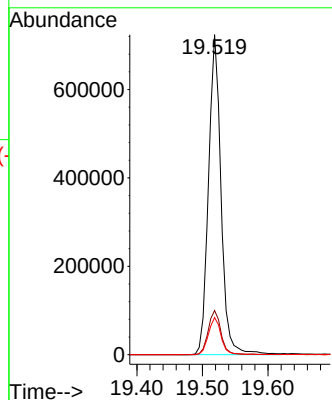
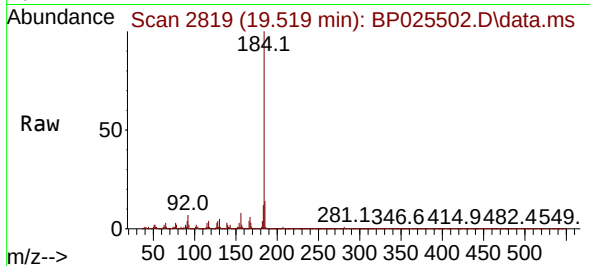




#77
Benzidine
Concen: 32.893 ng
RT: 19.519 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

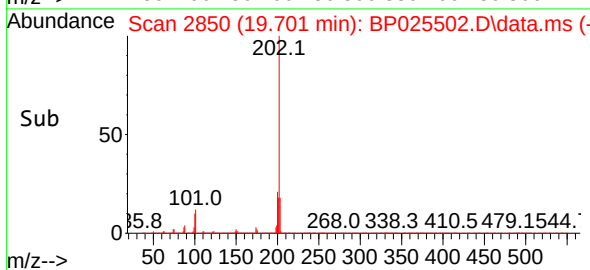
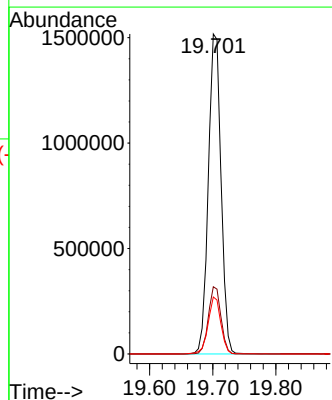
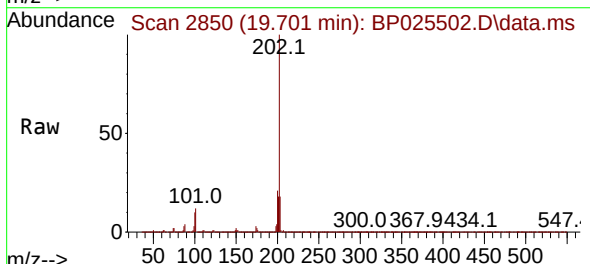
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

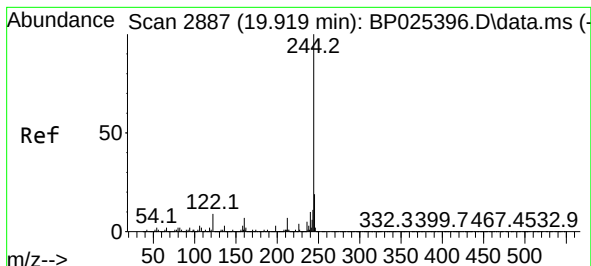
Tgt Ion:184 Resp: 965340
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 11.6 9.4 14.2



#78
Pyrene
Concen: 37.983 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:202 Resp: 2123016
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.8 14.2 21.2





#79

Terphenyl-d14

Concen: 77.772 ng

RT: 19.930 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040EC

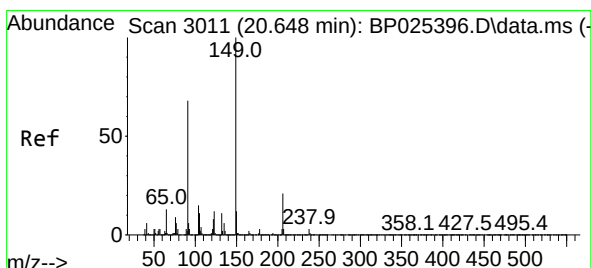
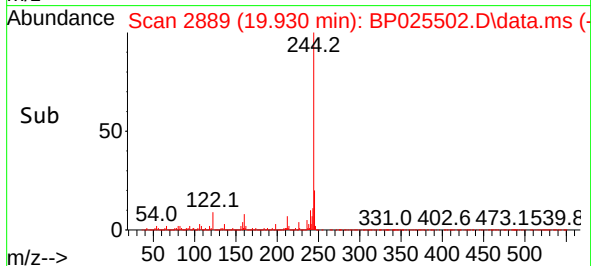
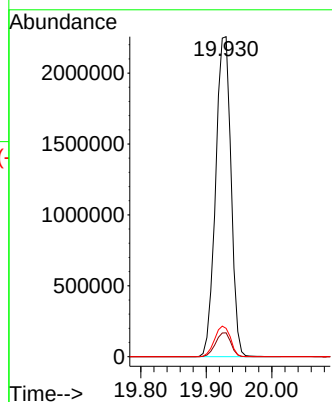
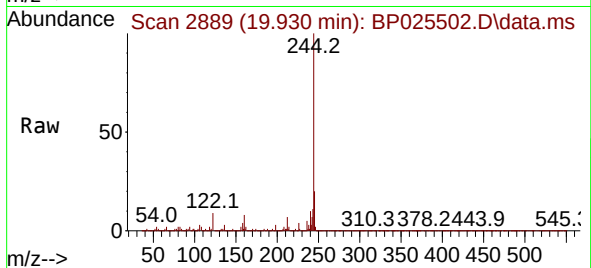
Tgt Ion:244 Resp: 3655452

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 8.9 7.4 11.2



#80

Butylbenzylphthalate

Concen: 40.617 ng

RT: 20.654 min Scan# 3012

Delta R.T. 0.006 min

Lab File: BP025502.D

Acq: 20 Aug 2025 10:41

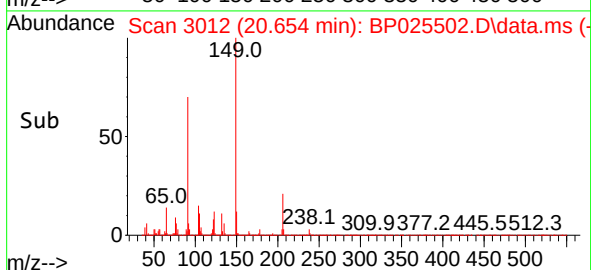
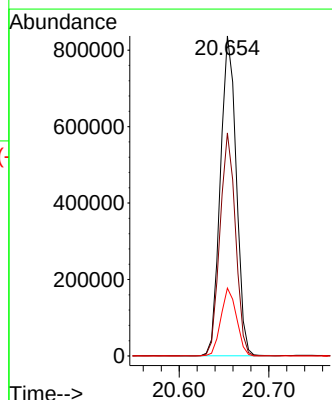
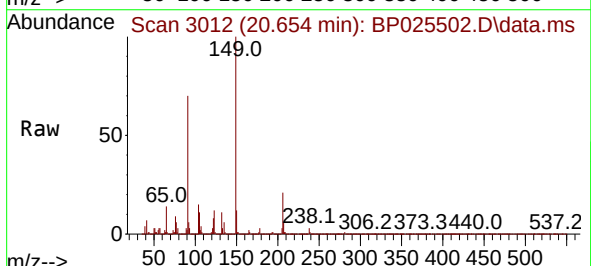
Tgt Ion:149 Resp: 1028893

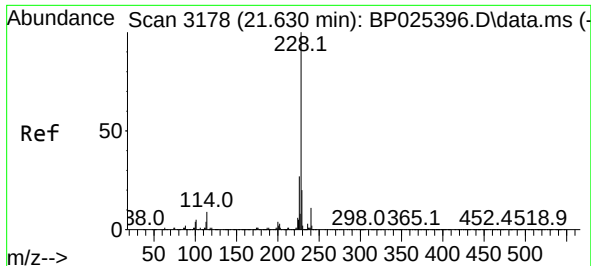
Ion Ratio Lower Upper

149 100

91 69.7 54.2 81.2

206 21.2 16.6 24.8

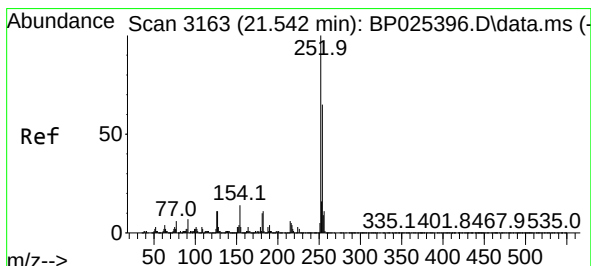
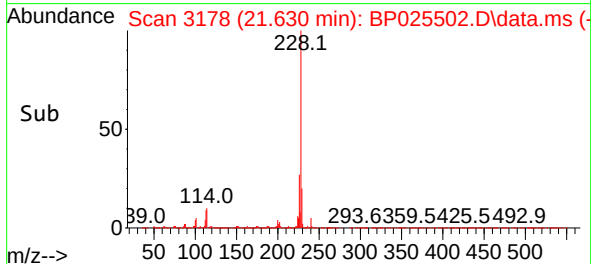
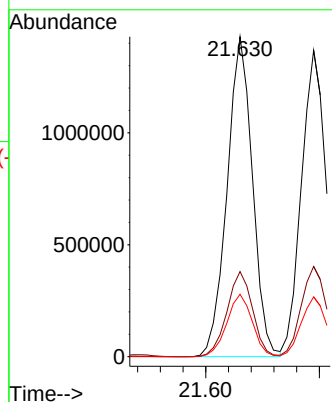
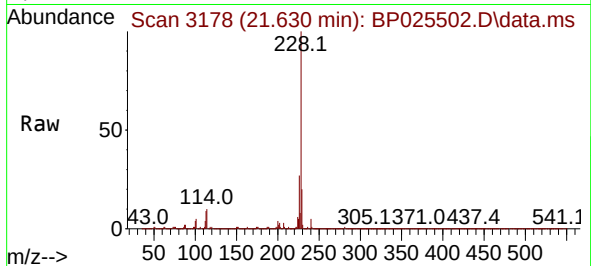




#81
Benzo(a)anthracene
Concen: 39.128 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

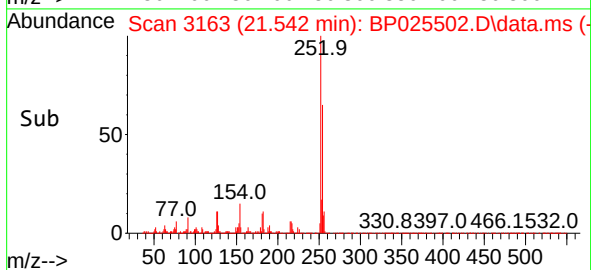
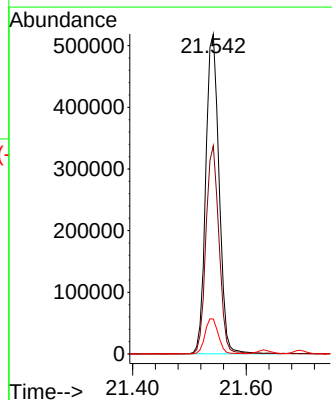
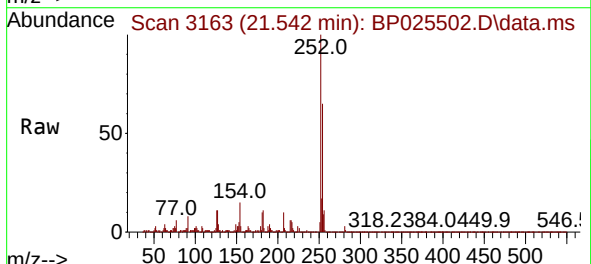
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

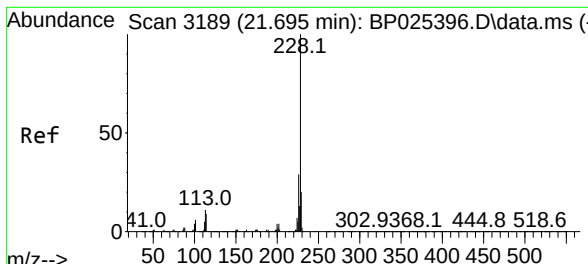
Tgt Ion:228 Resp: 2219096
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.5 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 39.295 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:252 Resp: 839996
Ion Ratio Lower Upper
252 100
254 65.0 51.8 77.6
126 10.9 9.1 13.7

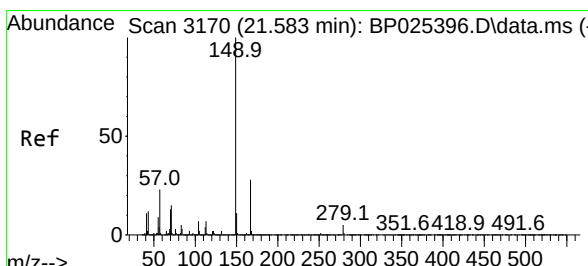
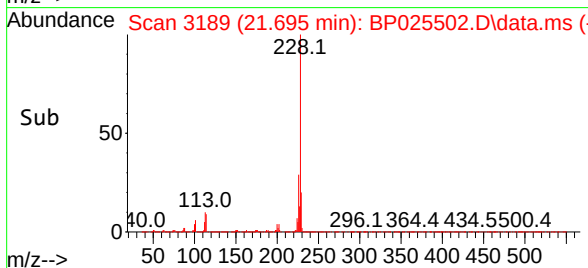
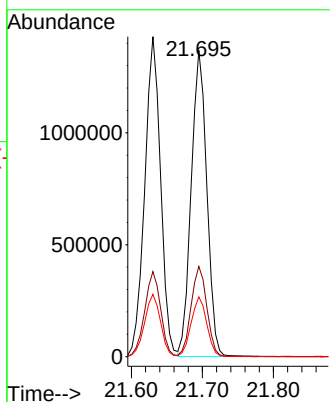
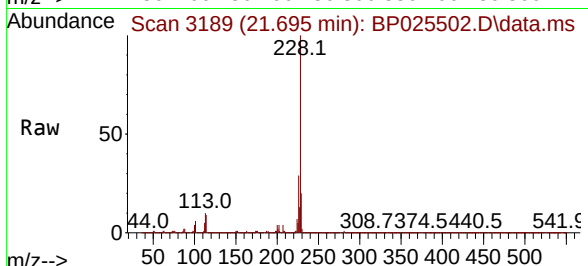




#83
Chrysene
Concen: 39.434 ng
RT: 21.695 min Scan# 3189
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

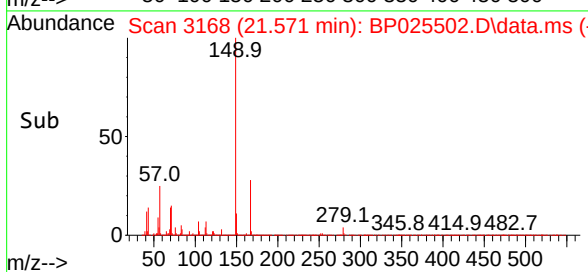
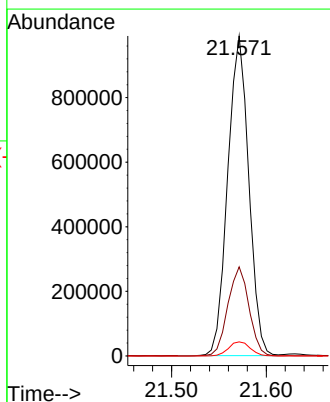
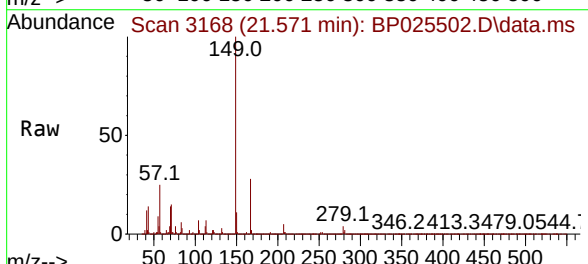
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

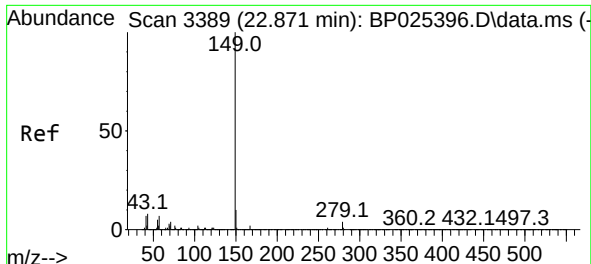
Tgt Ion:228 Resp: 2094426
Ion Ratio Lower Upper
228 100
226 29.5 23.2 34.8
229 19.5 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.001 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:149 Resp: 1528918
Ion Ratio Lower Upper
149 100
167 27.9 22.1 33.1
279 4.4 3.8 5.6

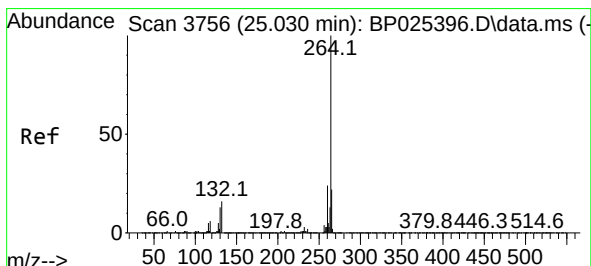
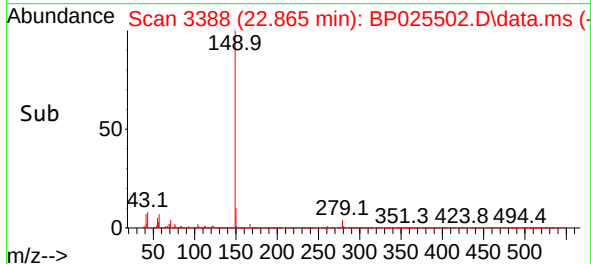
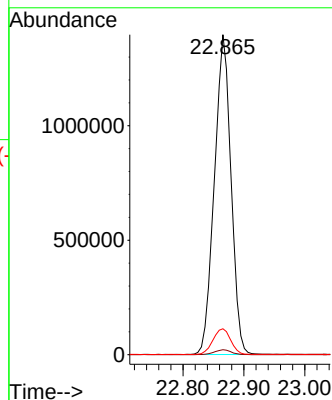
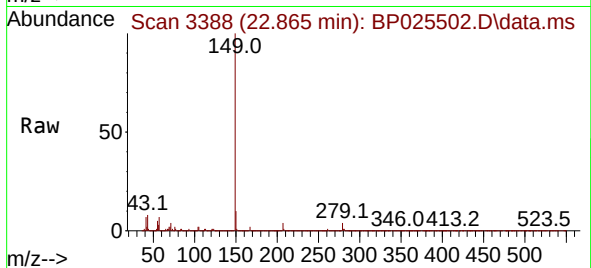




#85
Di-n-octyl phthalate
Concen: 41.280 ng
RT: 22.865 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

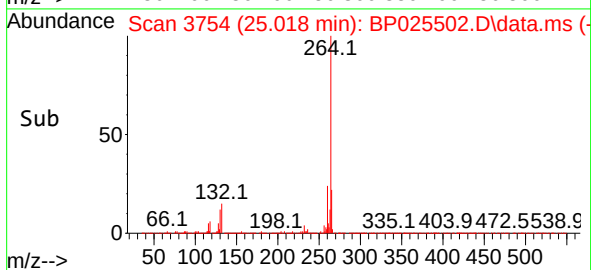
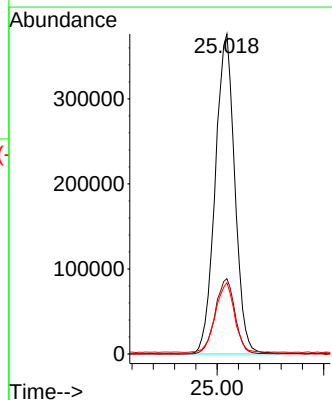
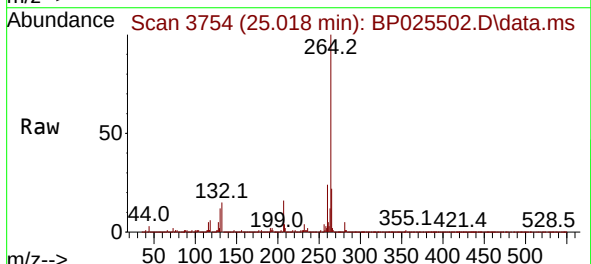
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

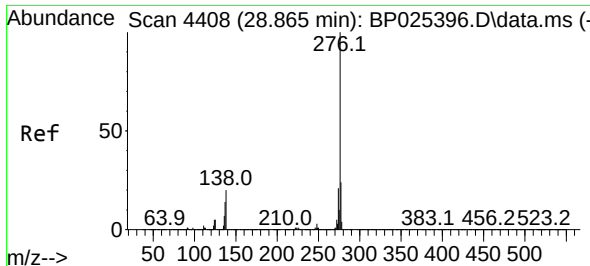
Tgt Ion:149 Resp: 2647644
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.6 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:264 Resp: 959319
Ion Ratio Lower Upper
264 100
260 23.6 19.3 28.9
265 22.3 17.4 26.0

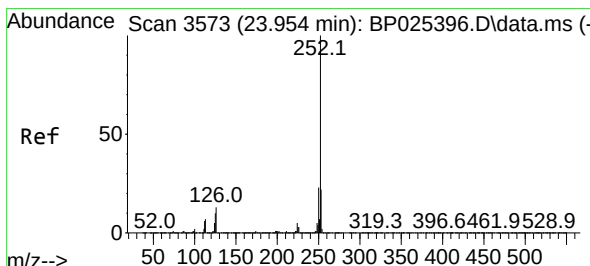
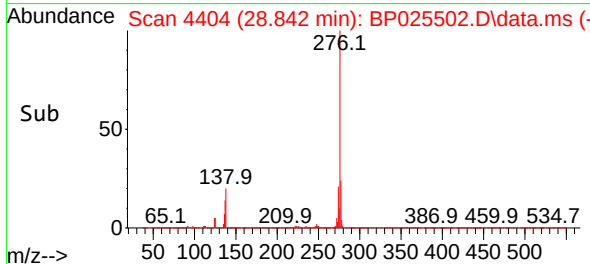
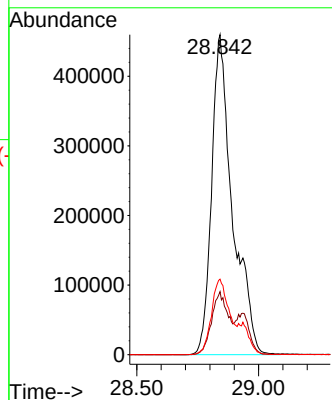
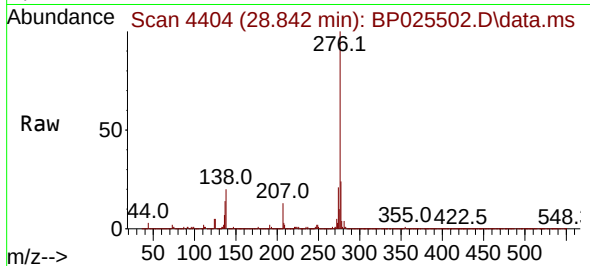




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 38.904 ng
 RT: 28.842 min Scan# 4408
 Delta R.T. -0.024 min
 Lab File: BP025502.D
 Acq: 20 Aug 2025 10:41

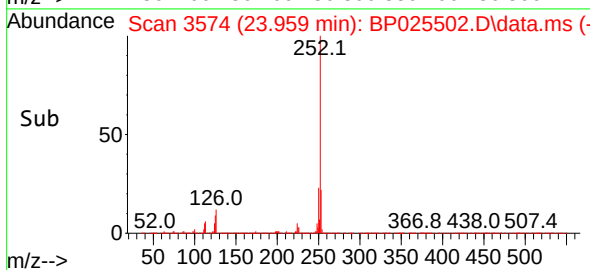
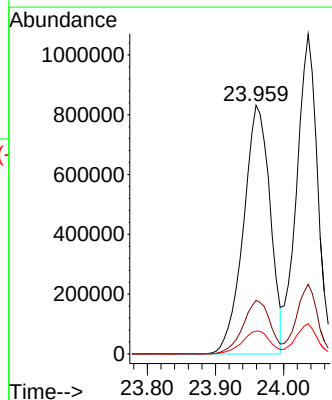
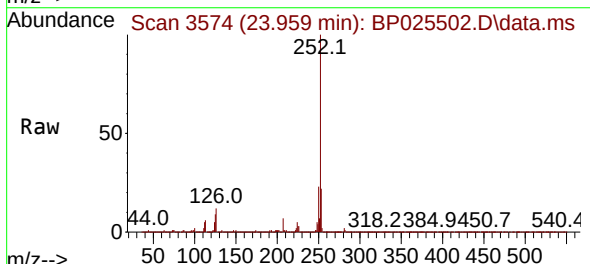
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040EC

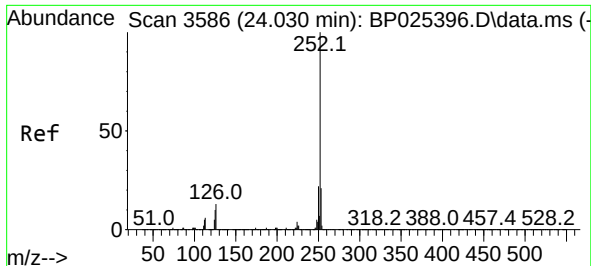
Tgt Ion:276 Resp: 2736984
 Ion Ratio Lower Upper
 276 100
 138 15.6 12.9 19.3
 277 20.3 17.0 25.6



#88
 Benzo(b)fluoranthene
 Concen: 39.777 ng
 RT: 23.959 min Scan# 3574
 Delta R.T. 0.006 min
 Lab File: BP025502.D
 Acq: 20 Aug 2025 10:41

Tgt Ion:252 Resp: 2250091
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.7 26.5
 125 9.2 7.9 11.9

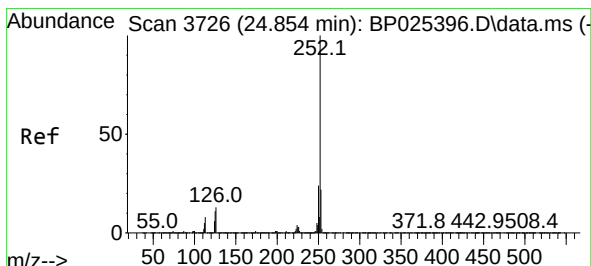
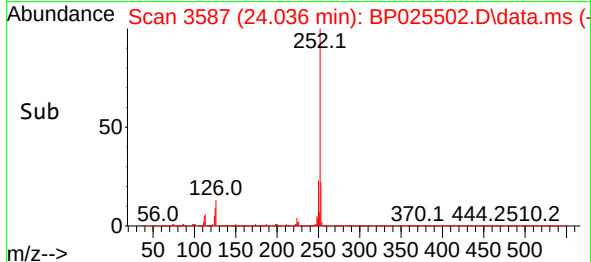
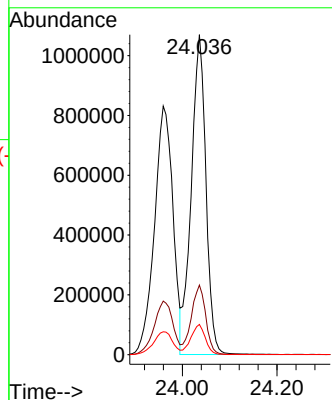
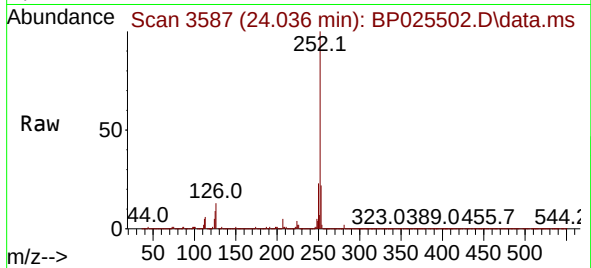




#89
Benzo(k)fluoranthene
Concen: 40.536 ng
RT: 24.036 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

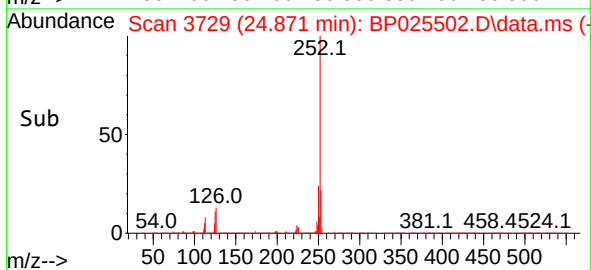
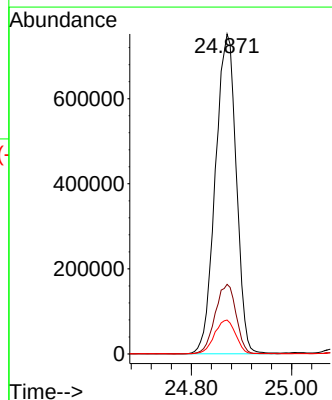
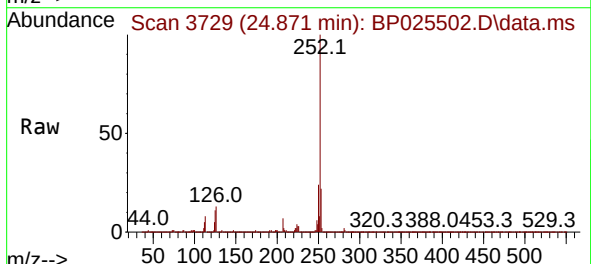
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

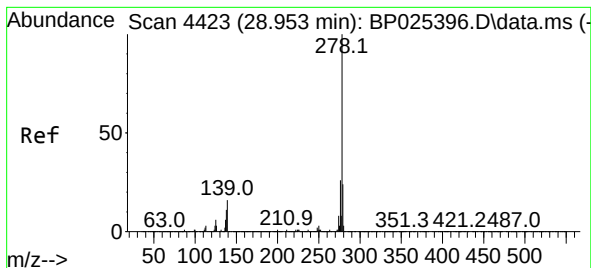
Tgt Ion:252 Resp: 2294595
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 9.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 39.490 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:252 Resp: 2174497
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 10.6 8.7 13.1

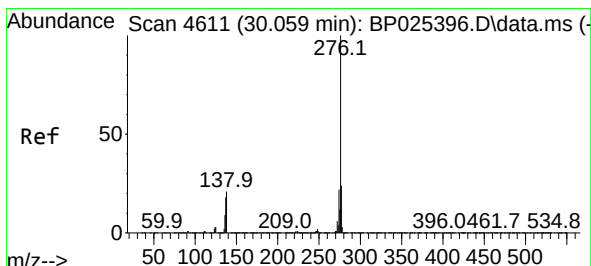
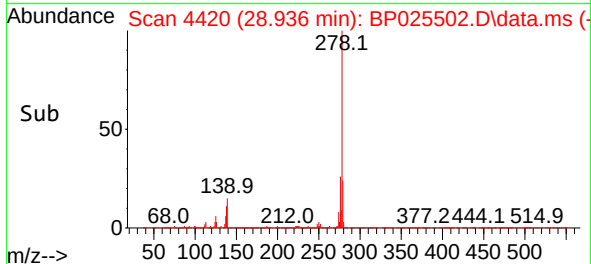
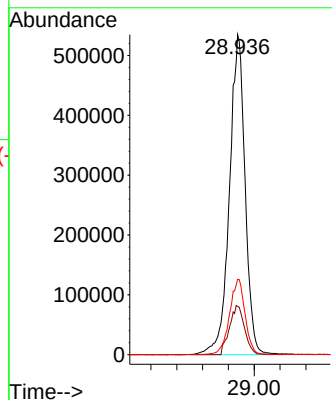
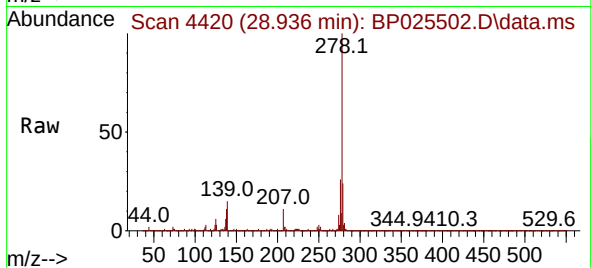




#91
Dibenzo(a,h)anthracene
Concen: 39.346 ng
RT: 28.936 min Scan# 4423
Delta R.T. -0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2262080
Ion Ratio Lower Upper
278 100
139 15.1 13.0 19.4
279 23.5 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 38.659 ng
RT: 30.042 min Scan# 4608
Delta R.T. -0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:276 Resp: 2184778
Ion Ratio Lower Upper
276 100
277 23.9 19.4 29.0
138 20.9 16.7 25.1

